

Government Gazette Staatskoerant

REPUBLIC OF SOUTH AFRICA REPUBLIEK VAN SUID AFRIKA

Vol. 638

24 August Augustus

2018

No. 41854

PART 3 OF 5

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GENERAL NOTICES • ALGEMENE KENNISGEWINGS

INDEPENDENT COMMUNICATIONS AUTHORITY OF SOUTH AFRICA NOTICE 494 OF 2018



PURSUANT TO SECTION 4 (1) OF THE ELECTRONIC COMMUNICATIONS ACT 2005, (ACT NO. 36 OF 2005)

HEREBY ISSUES A NOTICE INVITING COMMENTS REGARDING THE DRAFT RADIO FREQUENCY MIGRATION PLAN 2018

1. The Independent Communications Authority of South Africa ("the Authority"), in terms of section 4, read with sections 31 (4), 34 (7) (c) (iii), 34 (8) and 34 (16) of the Electronic Communications Act (Act No. 36 of 2005), hereby gives notice and invites comments on the draft *Radio Frequency Migration Plan 2018*.

2. Interested parties are hereby invited to submit written representations, including an electronic version of the representation in Microsoft Word, of their views on the First Draft Radio Frequency Migration Plan by no later than 16h00 on Friday, 12 October

2018.

3. Persons making representations are further invited to indicate whether they are

requesting an opportunity to make oral representations which shall not exceed one

hour.

4. Public hearings will be held from 25 to 26 October 2018. The venue and schedule will

be communicated to stakeholders who expressed interest in making oral

representations.

5. Written representations or enquiries may be directed to:

The Independent Communications Authority of South Africa

Pinmill Farm Block A

164 Katherine Street

South Africa

Private Bag XI0002

Sandton

2146

Attention:

Mr Manyaapelo Richard Makgotlho

e-mail: rmakgotlho@icasa.org.za

6. All written representations submitted to the Authority pursuant to this notice shall be

made available for inspection by interested persons from 16 of October 2018 at the

ICASA Library or website and copies of such representations and documents will be

obtainable on payment of a fee.

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7. Where persons making representations require that their representation or part thereof be treated confidential, then an applications in terms of section 4D of the ICASA Act, 2000 (Act No. 13 of 2000) must be lodged with the Authority. Such an application must be submitted simultaneously with the representation on the draft regulations and plan. Respondents are requested to separate any confidential material into a clearly marked confidential annexure. If, however, the request for confidentiality is refused, the person making the request will be allowed to withdraw the representation or document in question.

RUBBEN MOHLALOGA

AND STORY

CHAIRPERSON

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Draft Frequency Migration Plan

August 2018

Draft Frequency Migration Plan Consultation Document

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PART 1

Frequency Migration Regulations Overview

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REGULATION

Overview - Radio Frequency Migration Regulations

SCHEDULE

1. Definitions

In these Regulations, terms used shall have the same meaning as in the Electronic Communications Act 2005 (no. 36 of 2005); unless the context indicates otherwise:

"Act" means the Electronic Communications Act, 2005 (Act No. 36 of 2005) as amended;

"ITU" means the International Telecommunications Union;

"SADC FAP" means the Southern African Development Community Frequency Allocation Plan;

"User" means a licensed or licence exempt user of the radio frequency spectrum; and

"WRC" means the World Radio Conference.

2. Overview

The Authority, on 3 April 2013, in Government Gazette number 36334 (Notice 352 and 353) published the Radio Frequency Migration Regulations and Radio Frequency Migration Plan and Explanatory Document.

3. Purpose

The purpose of the regulations was to establish the framework by which the Authority may migrate users of the radio frequency spectrum under the National Radio Frequency Plan of South Africa.

4. Principles

- (1) Radio frequency spectrum migration must be in accordance with the Radio Frequency Migration Plan.
- (2) Radio frequency spectrum migration must be consistent with the National Radio Frequency plan.
- (3) The National Radio Frequency Plan itself must be consistent with the International Telecommunications Union (ITU) Radio-regulations as updated by WRC, and with the SADC FAP.
- (4) Allocations and assignments of radio frequency spectrum that are no longer in line and accordance with the National Radio Frequency Plan will be migrated.
- (5) The users to be migrated shall not be entitled to be compensated by the Authority for the costs of the migration.
- (6) To the extent that it is possible, the cost of migration should be minimised by considering, amongst other things, the duration of the licence and the economic life time of the equipment.
- (7) Frequency Migration is required in the core and central astronomy advantage areas in terms of section 22(2) (c) of the Astronomy Geographical Advantage Act (Act No. 21 of 2007).

5. Process for Radio Frequency Migration

The Authority shall initiate a process of radio frequency migration in the following circumstances:

- (a) As specified in the Frequency Migration Plan.
- (b) Where a change in the use of a radio frequency band is required to bring the South African National Radio Frequency Plan in line with the final acts of the latest WRC and in turn, the latest ITU Radio-Regulations Edition.
- (c) Where a change in the use of a radio frequency band is required to ensure harmonisation of the latest published South African National Radio Frequency Plan with the latest approved SADC FAP.

- (d) Where the Authority has determined that a change in use of the frequency is necessary for efficient utilisation of the radio frequency spectrum and to otherwise meet the objectives of the Act.
- (e) Where the Authority has determined that a change in a radio frequency spectrum licence holder's assignment within a radio frequency band is required to enable more efficient use of the radio frequency spectrum (in-band migration). Or
- (f) Where a South Africa specific requirement must be accommodated such as that arising from protecting radio frequency spectrum for radio astronomy purposes in core and central astronomy advantage areas in terms of the Astronomy Geographical Advantage Act (Act No. 21 of 2007), However the Authority should guard against non-standard frequency spectrum usage and application practices.

6. Preparation of a Radio Frequency Spectrum Assignment Plan

- (1) A change in the use of a radio frequency band(s) must be initiated through a Radio Frequency Spectrum Assignment Plan for the radio frequency spectrum bands in the manner specified in the latest Radio Frequency Spectrum Regulations in force.
- (2) With respect to the radio frequency migration process, a Radio Frequency Assignment Plan may include
 - (a) The process for migrating existing users and usages from their existing spectrum location, specifying the bands to which the users and uses will be migrated; including in-band migration where applicable.
 - (b) The time scale for the reallocation of the radio frequency band in question, specifying the date at which the users to be migrated should cease transmission.
- (3) A Radio Frequency Spectrum Assignment Plan shall be subject to public consultation:
 - (a) The Authority shall publish the Radio Frequency Spectrum Assignment Plan in the Government Gazette, inviting interested persons to submit written representations as specified by the notice in the Gazette.

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(b) The Authority may, after any defined period for lodging comments by interested persons has passed, hold a public hearing in respect of the application.

7. Amendment of a Radio Frequency Spectrum Licence

- (1) Upon completion of the Radio Frequency Spectrum Assignment Plan, the Authority must issue a notice to users to be migrated.
- (2) The notice of amendment may include the following:
 - (a) The date at which the licensee must cease transmitting within the frequency range of his existing assignment.
 - (b) The date at which the licensee may commence transmitting within the new assignment.
 - (c) The date within which the licensee must collect their updated radio frequency spectrum licence which contains the new terms and conditions of the new assignment, including technical parameters and whether the assignment is exclusive or shared.

8. Short title and commencement

The Regulations are called the Radio Frequency Migration Regulations 2013 and came into effect on 3 April 2013.

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PART 2

Draft Radio Frequency Migration Plan

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1 Introduction

1.1 Purpose

To develop a Radio Frequency Migration Plan with the aim of managing spectrum efficiently to the benefit of all South Africans in terms of section 2 (e) of the Electronic Communications Act, 2005 (Act No. 36 of 2005) as amended ("the Act").

The plan provides for:

- Background and basis of the Radio Frequency Migration Plan.
- How the Radio Frequency Migration Plan was developed?
- Identification of the radio frequency bands where migration may be required and makes proposals regarding such frequency migration as may be required.
- Identify the radio frequency bands which are subject to a feasibility study.
- The frequency bands where Radio Frequency Spectrum Allocation Plans have been developed
- The impact of the Frequency Migration Plan (where possible).

1.2 Definitions

To avoid terminological confusion, it is useful to discuss exactly what is meant by the various terms that are used in spectrum management.

Full definitions are given in the glossary.

1.2.1 ITU Definitions

The standard definitions for spectrum management in the International Telecommunications Union (ITU) Radio regulations (Article 1) are as follows:

allocation (of a frequency band): Entry in the Table of Frequency Allocations of a given frequency band for the purpose of its use by one or more terrestrial or space

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radiocommunication services or the radio astronomy service under specified conditions. This term shall also be applied to the frequency band concerned. (1.16)

allotment (of a radio frequency or radio frequency channel): Entry of a designated frequency channel in an agreed plan, adopted by a competent conference, for use by one or more administrations for a terrestrial or space *Radiocommunication* service in one or more identified countries or geographical areas and under specified conditions.

assignment (of a radio frequency or radio frequency channel): Authorization given by an administration for a radio station to use a radio frequency or radio frequency channel under specified conditions. (1.18).

The key element here is the clear distinction between allocation and assignment which is not always followed in certain benchmark examples.

1.2.2 Defining Spectrum Migration

It is important to define exactly what is meant by spectrum migration as this defines the scope of the plan and regulation. The ITU does not define spectrum migration as such.

In the Act, the reference to spectrum migration is clearly the migration of users of radio frequency spectrum to other radio frequency bands in accordance with the radio frequency plan. The main focus of the FMP is on migrating existing users.

Since certain issues of spectrum migration involve usage as opposed to users, it is useful to expand the definition of migration to include not just users but also uses¹.

"Radio Frequency Spectrum Migration" means the movement of users or uses of radio frequency spectrum from their existing radio frequency spectrum location to another.

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¹ This allows spectrum migration to encompass re-farming of spectrum within assigned bands to other technologies and in-band migration such as the digitalisation of TV broadcast.

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1.2.3 Spectrum re-farming

The term spectrum re-farming is widely used, but like spectrum migration does not have a universal definition and can mean slightly different things in different countries.

The ICT Regulation Toolkit² notes the following regarding spectrum re-farming:

Generally speaking, re-farming may be seen as process constituting any basic change in conditions of frequency usage in a given part of radio spectrum. Such basic changes might be:

- 1. Change of technical conditions for frequency assignments;
- 2. Change of application (particular Radiocommunication system using the band);
- 3. Change of allocation to a different Radiocommunication service.

The term re-farming is used to describe:

- the process where a GSM operator changes the use of all or part of the spectrum used for GSM to UMTS / LTE; especially where the spectrum licence has specified the technology (as GSM) and the operator licence has to be changed³.
- The situation where the individual assignments within a band are changed to allow more efficient use to be made of the frequency band (usually due to a change in technology).
- The process of reallocating and reassigning frequency bands where the licence period has expired, this is happening in Europe where the original GSM licences are expiring⁴.

For the purposes of the plan therefore, radio frequency spectrum re-farming may be defined as follows:

³ Even where the licences are not technologically specific and it could be argued that the change in use from GSM to LTE does not require a regulator to get involved, in order to make efficient use of the spectrum it may be necessary to modify the individual assignments within the band.

² The ICT Regulation Toolkit is a joint production of info Dev and the International Telecommunication Union

⁴ A good example is in Ireland ref: "Multi-band Spectrum Release: Release of the 800 MHz, 900 MHz and 1800 MHz Radio Spectrum Bands' – various consultations by ComReg 2012.

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"Radio Frequency Spectrum Re-farming" means the process by which the use of a Radio Frequency Spectrum band is changed following a change in allocation, this may include change in the specified technology and does not necessarily mean that the licensed user has to vacate the frequency.

1.2.4 Other definitions

Where the user of a radio frequency has a change of assignment within the same band, usually to allow greater efficiency in the use of the spectrum, this may be termed **in-band migration**.

In some cases, a radio spectrum user may not only have the assignment changed in the same band, but have a new spectrum allocated in a different band. This has occurred with respect to the balancing of spectrum assignments in the GSM 900 MHz and 1800 MHz bands and may well become a feature of mobile broadband assignments in the future.

2 Review of Legislation and Regulations

2.1 Electronic Communications Act

2.1.1 Section 34 - Radio Frequency Plan

Section 34 of the Act deals with the National Radio Frequency Plan and as part of this, radio frequency migration.

Subsection (2) essentially contains the key statement:
..............national radio frequency plan developed by the Authority, which must set out the specific frequency bands designated for use by particular types of services..............

Referring specifically to matter of migration:

■ Section 34 (7) (c) (iii), states that the Authority must:

Co-ordinate a plan for migration of existing users, as applicable, to make available radio frequency spectrum to satisfy the requirements of subsection (2) and the objects of this Act and of the related legislation.

Section 34 (16) states that:

The Authority may, where the national radio frequency plan identifies radio frequency spectrum that is occupied and requires the migration of the users of such radio frequency spectrum to other radio frequency bands, migrate the users to such other radio frequency bands in accordance with the national radio frequency plan, except where such migration involves governmental entities or organisations, in which case the Authority—

- (a) must refer the matter to the Minister; and
- (b) may migrate the users after consultation with the Minister

It is clear that ICASA has the obligation and authority to plan and implement the migration of users, subject to the approval of the Minister with respect to government entities.

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2.1.2 Section 31 - Radio Frequency Spectrum Licence

Section 31 of the Electronic Communication Act (2005) deals with the radio frequency spectrum licences.

- Section 31 (4) states that:
 - (4) The Authority may amend a radio frequency spectrum licence—
 - (a) to implement a change in the radio frequency plan;
 - (b) in the interest of orderly radio frequency spectrum management;
 - (c) to effect the migration of licensees in accordance with a revised radio frequency plan or the transition from analogue to digital broadcasting;
 - (d) if requested by the licensee concerned to the extent that the request is fair and does not prejudice other licensees; or
 - (e) with the agreement of the licensee.

This section clearly establishes that the ICASA has the right to amend a radio frequency licence to cater for instances listed in section 31(4) (a)-(e) of the Act.

2.1.3 Chapter 3 – Licensing Framework

Chapter 3 of the Act which in principle deals with the award of licences for individual and class licences for the provision of services. It also refers to the use of the radio frequency spectrum. This is consistent with the provisions of Section 31(1) and (2) of the Act dealing with the radio frequency spectrum licence in that a person cannot provide services, in terms of chapter 3, which requires the use of the radio frequency spectrum without a radio frequency spectrum licence.

2.1.4 Spectrum Licence Duration

The process of migrating users will not have an impact on the duration of their radio frequency spectrum licences.

2.2 Review of Regulations

2.2.1 Radio Frequency Spectrum Regulations

The Final Radio Frequency Spectrum Regulations in Government Gazette 38641 (Notice 279 of 2015) do not elaborate further (than the Act) on the issue of migration or the related issue of the amendment of a radio frequency spectrum licence initiated by the authority.

Regulation 17 deals with the duration of a radio frequency spectrum licence

- Regulation 17 (1) stipulates that ; The granting of a radio frequency spectrum licence must not be construed as conferring upon the holder a monopoly for the use of or a right of continued tenure of the radio frequency spectrum;
- Regulation 17 (2) stipulates that, Unless otherwise specified in a radio frequency spectrum licence, a radio frequency spectrum licence shall run parallel to and not exceed the duration of a service licence contemplated in Chapter 3 of the Act, issued to the person in possession of a radio frequency spectrum licence.
- Regulation 17 (3) stipulates that, The duration of a radio frequency spectrum licence, without a corresponding service licence contemplated in Chapter 3 of the Act, except those mentioned in sub regulation (4), is a year (i.e. from 1 April until 31 March) and such a licence will expire on the due date of the then current licence year.
- Regulation 17 (4) stipulates that, where a radio frequency spectrum licence is issued in the Amateur Radio, Aeronautical Band, Marine Band, Citizen Band Radio for Ski Boats, the licence shall remain valid from 1 April of the year in which it was issued and is thereafter renewable by payment of the prescribed licence fee before or on the due date in the year it is set to expire.

2.2.2 Terrestrial Broadcasting Frequency Plan

The Final Terrestrial Broadcasting Frequency Plan in Government Gazette 36321(Notice 298 of 2013) and the Update to the Terrestrial Broadcasting Frequency Plan in Government Gazette 38005 (Notice 801 of 2014) deals with the re-planning of the broadcast bands in South Africa including the Digital Terrestrial Television Migration programme and the vacation of broadcast channels.

This was developed taking into consideration the International Telecommunications Union (ITU) Radio Regulations (RR), Provision Number 5.1.2 of the Geneva 2006 (GE06) Agreement, and the World Radiocommunication Conference (WRC) Resolution 224-4, Resolution 232 (WRC-12) and the results of activities undertaken by the within ITU

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Region 1 (African Region). The migration of Broadcasting service in the frequency band 790 to 862 MHz frequency band following the 2006 regional radio conference in Geneva (GE06).

This plan reflected the WRC-07 and WRC-12 resolutions with respect to the migration of broadcast channels from the 694 to 790 MHz and 790 to 862 MHz bands respectively.

The plan took into consideration "End of the transition period to digital broadcasting set forth by the GE06 Agreement, that is, the Regional Agreement, Geneva 2006 for the planning of the digital terrestrial broadcasting service in parts of Regions 1 and 3, in the frequency bands 174-230 MHz and 470-862 MHz, set forth as 17 June 2017, and notified through Administrative Circular CR/375.

The Multiplexes in the latest updated version of the Terrestrial Broadcasting Plan 2013 has been coordinated in terms of the GE06 Agreement and meets the conformance requirements of the Plan. The frequencies on this version have been successfully notified to the ITU-R Bureau and have been included in the Master International Frequency Register.

This plan essentially deals with the conversion of analogue to digital Television and the subsequent migration of the existing TV channels to a new spectrum location that is 470 to 694 MHz.

The Broadcasting Spectrum Assignments for the frequency band above 694 MHz, in the affected areas as stipulated in the Terrestrial Broadcasting Frequency Plan (Notice No. 298 of 2013 in Government Gazette No. 36321 and Notice No. 801 of 2014 in Government Gazette 38005 or the latest version), are to be used subject to meeting the conformance requirements in line with the GE06 Plan and are to be phased out during the performance period.

The key issues of interest are that there is a period during which broadcasts continue simultaneously in analogue and digital until the analogue channels are switched off.

2.3 Overview of rights and responsibilities

2.3.1 Radio frequency spectrum rights

Neither in the Act nor in the regulations are there any rights on the parts of users to retain spectrum. The spectrum licence is currently valid as specified in a radio frequency spectrum licence and a spectrum assignment can be revoked at any time. This is not unique to South Africa and many administrations retain the ultimate right to decide on the use of the spectrum at any time, notwithstanding the procedures for withdrawal, amendment or suspension of a licence.

The process for spectrum migration shall include the following:

- a consultation process,
- consideration of the economic lifetime of the equipment,
- the identification of alternative frequencies for users who have to be migrated out of a frequency band,
- advance planning along with an adequate time frame,
- consideration of the duration of the radio frequency spectrum licence,
- consideration of the duration of a broadcast licence.

2.3.2 Responsibilities

The Authority is the responsible body for frequency migration planning.

The Authority has the obligation to consult with the Minister⁵ on various issues, notably where migration involves government entities and organisations.

⁵ Section 34 (16) of the Act

3 Principles Governing Frequency Migration

3.1 Identification of Bands are subject to Frequency Migration

Bands are identified for radio frequency migration according to the following hierarchy

- First Level where the ITU radio regulations / decision of a World Radio Conference (WRC) require a change in national allocation that will require existing users to be migrated.
- Second Level where a Regional Radio Conference require a change in national allocation that will require existing users to be migrated
- Third Level where the SADC Frequency Allocation Plan (FAP) requires a change of use and in turn a change in national allocation that will require existing users to be migrated.
- Fourth Level a decision is taken to change the use of a frequency band at national level and this requires the migration of existing users.

3.2 Process

The process of frequency migration is carried out in a manner consistent with the radio frequency spectrum regulations and the generic process is described in the frequency migration regulation. The key processes are:

- Preparation of a Radio Frequency Spectrum Assignment Plan
- Amendment of a Radio Frequency Spectrum Licence

When it has been established that migration is required, then the critical issue is to determine the time frame in a manner consistent with sound radio frequency spectrum management.

3.3 Time Frame for Migration

In principle, the Authority can migrate a user to another location as part of sound radio frequency spectrum management. However, an appropriate time frame should be applied as a matter of standard practice.

In determining the time frame, the following factors should be taken into account:

- the duration of the spectrum licence,
- the time frame to migrate existing customers (end users)
- the economic life of the equipment installed,
- adequate forward planning

3.3.1 Duration of the radio frequency spectrum licence

The radio frequency spectrum licences in South Africa are in principle granted for a one year period, the multi-year licences will be restricted so that any migration will not fall within the period of a multi-year licence.

3.3.2 Time Frame to migrate existing end users

The issue of the migration of existing users is a key determinant of a spectrum migration time frame. The issue arose in the past with cessation of the analogue mobile phone systems and the migration to GSM and is currently an issue with respect to broadcasting. In Europe, the main controversy is with regard to proposed plans to terminate VHF FM and possibly Medium Wave broadcasting and as a result of this opposition; the termination of FM does not seem likely in the short term. There has been less opposition to the cessation of analogue television broadcasts.

The critical area in South Africa is the digitalisation of TV where end users have to obtain a digital-to-analogue set-top box to accommodate digital signals to their existing televisions before analogue switch off.

Potential areas that may arise in the future include:

 Conversion of existing Mobile International Mobile Telecommunication frequencies to IMT2020KG.

Because of the large number of GSM customers with voice / text only phones and the availability of other bands for mobile broadband, it is unlikely that GSM bands will be shut off any time soon.

A switch over from 3G / HSPA to LTE – if this ever occurs would involve a time frame of 3-5 years to accommodate the life cycle of the end-terminal equipment.

 Switch off of analogue radio. This is unlikely to occur within the time frame envisaged by this spectrum migration strategy.

3.3.3 Economic life of the equipment installed

It should not be automatically assumed that a change in frequencies will require new transmission equipment; it is entirely possible that the equipment can be retuned at relatively low cost.

In terms of the economic lifetime of the equipment, SABRE 2 which was gazetted in August 2001, planned for switchover deadline of December 2005 for the services subject to migration which was a time frame of just under 5 years. This was at a time when the technological life-cycle was longer than it is today.

3.3.4 Adequate Forward Planning

Probably the most important factor for a frequency migration is the allowance of sufficient time for adequate forward planning. In terms of the overall process this may include:

- Proper time for consultation.
- Band planning.
- Adequate time for existing users of the spectrum to migrate out.
- Adequate time required for dual illumination during a switchover period subject to no interference.

In terms of the time frame, the critical determinant is the earliest time in which new users can begin transmitting as this will be the final date at which existing users cease transmitting. In principle, there is little to be achieved by shutting down existing transmission before new licensees are ready to start transmitting.

3.3.5 Conclusions regarding time frame.

It has been established that the forward looking time frame for a process of spectrum migration should be between 3 to 5 years from the moment of announcement, unless otherwise specified.

To ensure that there is no confusion, where there are multi-year radio frequency spectrum licences, these should generally not exceed 5 years. Where there is a spectrum migration planned for a particular frequency band, there is nothing to stop a licence being issued for the period up to the date at which transmission should cease if the licensee is able to 'live with' this.

4 Development of the Radio Frequency Migration Plan

4.1 Background

The table below illustrates the time line of documents and conferences that informs the creation of this radio Frequency Migration Plan.

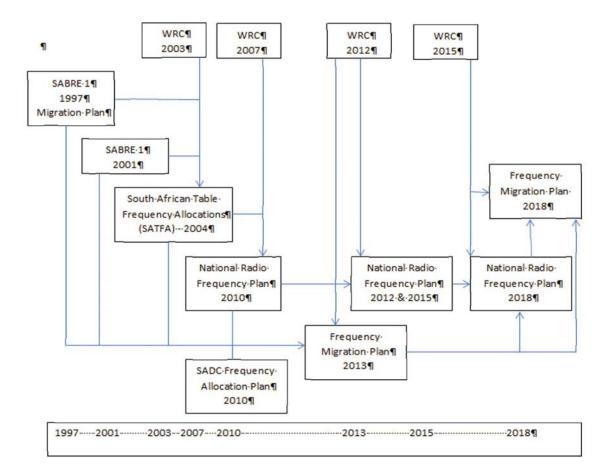


Figure 1 Time Frame and events informing Frequency Migration Plan

The radio Frequency Migration Plan reflects all relevant activities to date and comments on potential long term migration issues.

4.2 International Context

The use of the Radio Frequency Spectrum is fundamentally determined through the ITU Radio Regulations which are established by treaty and modified by treaty in the form of the Resolutions of the World Radio Conferences in which South Africa has participated

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since 1994. South Africa fundamentally follows the allocations in the Radio Frequency Plan for Region 1 in the ITU Radio Regulations and the primary driver for a change in use is a change in allocation stemming from a World Radio Conference Resolution.

As Region 1 also includes Europe, it is common for South Africa to harmonise the way it uses and manages frequency bands with Europe on the grounds that this facilitates coordination and allows South Africa to benefit from potential economies of scale with regard to equipment as well being able to capitalize on existing development work.

South Africa also participates in the African Telecommunications Union and again will seek to harmonise its frequency allocations with other African countries.

For Southern Africa, South Africa is part of SADC, the Southern African Development Community. South Africa has actively participated in the preparation of the SADC Frequency Allocation Plan (SADC FAP) and to keep the National Radio Frequency Plan as harmonised as possible with the latest version of the SADC FAP is necessary to maintain international co-ordination with neighbouring countries.

4.3 Approach to development of FMP

The Radio Frequency Migration Plan is drawn up using the latest National Radio Frequency Plan (NRFP 2018) as a baseline.

The first steps, was on a check made concerning the frequency migrations proposed in SABRE⁶ (see below) with respect to the following:

 Whether the migration as proposed (both from and to other bands) has been carried out and

⁶ The Revision of South African Frequency Allocation Plans (Band Plans) and Migration Strategies

⁻ Notice 759 of 1997 - which covered 20MHz to 3 GHz (SABRE-1) and 3.4GHz to 3.6 GHz.

If certain services still continue to occupy the original band, whether these services should still be migrated or if this now irrelevant in the present context. This is carried out by:

Evaluating the current utilization of these bands by the incumbent

Determining whether these bands could be put to better use

The next step was, the proposals in the SADC Frequency Allocation Plan 2016 (SADC FAP 2016) are considered for relevancy in the Republic of South Africa. In terms of relevancy, points under consideration are:

- Whether the bands proposed for alternate use by SADC are being currently utilized (by whom and to what extent).
- If there is a global trend and perceived economic benefit in migrating the current users to accommodate new services.

The third step involves looking at the resolutions adopted at the World Radiocommunication Conference (WRC) 7, 12 and 15 applicable to Region 1 and determine applicability for South Africa. Similar criteria as used to evaluate SADC proposals would be applied here.

The fourth step involves identifying South Africa specific migration issues. In this manner, all matters of significance from global, regional and national context along with the historical activities around migration are awarded due consideration in drafting the frequency migration plan.

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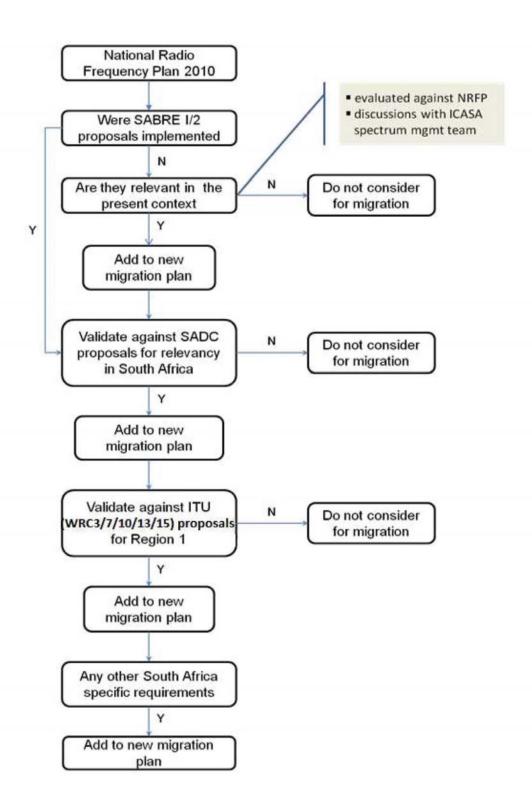


Figure 2 Process for Development of Frequency Migration Plan

4.4 SABRE 1 and SABRE 2

There were two South African Band Re-Planning Exercises (SABRE) carried out in 1997 and 2001. SABRE 1 has been the most comprehensive spectrum migration exercise to date.

- SABRE I in 1997 addressing the radio frequency spectrum between 20MHz and 3
 GHz, and between 3.4 3.6 GHz
- SABRE II in 2001 addressing radio frequency spectrum above 3 GHz with the exception of those bands already addressed in SABRE I

4.4.1 SABRE 1 - 1997

SABRE 1^7 was a significant programme to re-plan the radio frequency in line with the ITU Region 1 frequency allocation plan from 20 MHz to 3GHz and to migrate users that either did not accord with the existing allocation plan or prevented efficient use of the spectrum. A prime example of this was the drive to migrate fixed links to over 3 GHz. SABRE 1 was extended to cover 3.4 - 3.6 GHz

The primary services which were targeted for this exercise were

- Fixed links plan to migrated the fixed links (wherever possible) to higher frequencies above 3 GHz. The primary rationale was that the frequency below 3 GHz was prime estate for mobile communications and should be reserved for that purpose
- Mobile services in VHF High Band plan for migrating existing services such as paging, alarms, municipal and governmental authorities into bands reserved for their use. Migrate in mobile services into the cleared band
- Paging services consolidate paging services into bands specifically allocated for that purpose. This would include low power paging, amateur, regional and other paging system
- Alarms consolidate alarm systems into specific bands

⁷ The Revision of South African Frequency Allocation Plans (Band Plans) and Migration Strategies – Notice 759 of 1997 – which covered 20MHz to 3 GHz (SABRE-1) and 3.4GHz to 3.6 GHz.

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4.4.2 SABRE 2 - 2001

SABRE 2^8 was a programme to re-plan the radio frequency spectrum from 3GHz to 70 GHz (with the exception of 3.4 - 3.6 GHz which was part of SABRE 1), partly driven by the need to in-migrate fixed-links from below 3GHz.

Extracts from SABRE 2 are given in the appendix (6.1Appendix C).

4.4.3 Analysis of SABRE

The analysis conducted showed that the following migration of services out of specified bands as proposed under SABRE (1 and 2) was taken into consideration in developing the Radio Frequency Migration Plan 2013.

Table 1 SABRE planned allocations that have been taken into consideration in the Frequency Migration Plan 2013

Frequency Band (MHz)	Planned allocation under SABRE	Current allocation in NRFP 2013
53.025 – 53.225	Low power paging	Wireless Microphones (53 -54 MHz)
(81 – 81.625 BTX) paired with (86.375 - 87 MTX)	Dual frequency alarms/ Mobile	Mobile 7 BTX only
141 – 142	None	Remote controlled industrial apparatus (should be in the ISM band)
150.05 – 151	Wide area paging	Wildlife telemetry tracking 148-152 MHz
(165.55 – 167.4875) paired with (172.05 – 173.9875)	BTX-DF (165.55 – 167.4875 MHz) MTX-DF (172.05 – 173.9875 MHz)	MTX-DF (165.55 – 167.4875 MHz) BTX-DF (172.05 – 173.9875 MHz)
240 – 246	DAB	International distress (239 MHz)
278 - 286	FLEX outbound paging services	SF Mobile

 $^{^{8}}$ Radio frequency spectrum band plan covering the range 3 GHz to 70 GHz - (SABRE-2) Notice 1920 of 2001

Frequency Band (MHz)	Planned allocation under SABRE	Current allocation in NRFP 2013
406.1 – 410	SF links only	Fixed links (406.1 - 407.625 MHz) paired with (416.1 - 417.625 MHz)
		Fixed links (407.625 - 410 MHz) paired with (417.625 - 420 MHz)
426.1 – 427.625	Public trunking	SF links (426.1 – 430 MHz)
427.625 – 430	urban–government and public safety	SF links (426.1 – 430 MHz) only
	rural – SF links	
(454.425 – 460)	Mobile trunking	Mobile trunking
paired with	MTX (454.425 – 460 MHz)	BTX (454.425 – 460 MHz)
(464.425 – 470)	BTX (464.425 – 470 MHz)	MTX (464.425 – 470 MHz)
463 – 463.975	SF Mobile out of the band	SF Mobile
876 – 880	Digital trunking	Mobile Wireless Access (824 - 849 MHz paired with 869 - 894 MHz)
925 – 925.4	Two-way paging (FLEX inbound)	No allocation
1885 – 1980	FPLMTS (satellite)	No allocation
1980 – 2010/ 2170 - 2200	Mobile – Satellite (earth – to – space)	Fixed links 1980 – 2010 MHz paired with 2170 – 2200 MHz
21400 – 22000	Broadcasting satellite service	Fixed links

WRC 15 Resolutions of which some are considered in the Draft Migration Plan 2018.

4.5 National Radio Frequency Plans

After SABRE, there have been four (4) national radio frequency plans, SATFA, NRFP 2010, NRFP 2013 and NRFP 2018.

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4.5.1 The South African Table of Frequency Allocations 2004

SATFA: The South African Table of Frequency Allocations 20049 consolidated SABRE 1 and SABRE 2 in one plan covering the range 20MHz to 70 GHz.

This plan is discussed in the appendix (6.1Appendix D) with respect to frequency migration.

4.5.2 National Radio Frequency Plan 2010

The National Radio Frequency Plan 2010¹⁰ updated SATFA 2004¹¹ and extended the frequency range covered (now 9 kHz - 3000 GHz). Its stated aim was to incorporate the decisions taken by WRC and include updates on the Table of Frequency Allocations extending up to 3000GHz.

This plan is discussed in the appendix (1.3 Appendix E) with respect to frequency migration.

4.5.3 National Radio Frequency Plan 2013

The National Radio Frequency Plan 2013¹² updated National Radio Frequency Plan 2010. 2004¹³ and extended the frequency range covered (now 9 kHz – 3000 GHz). Its stated aim was to incorporate the decisions taken by WRC and include updates on the Table of Frequency Allocations extending up to 3000GHz.

⁹ The South African Table of Frequency Allocations (SATFA) – Notice 1442 of 2004.

¹⁰ The National Radio Frequency Plan – Notice 727 of 2010

¹¹ The main reason for the name change is that the term 'National Radio Frequency Plan' is used in the ECA.

¹² The National Radio Frequency Plan – Government Gazette 36336 (Notice 354 of 2013)

This plan is discussed in the appendix (6.1Appendix E) with respect to frequency migration.

4.5.4 National Radio Frequency Plan 2018

The National Radio Frequency Plan 2018 updated National Radio Frequency Plan 2013, and extended the frequency range covered (now 8.3 kHz – 3000 GHz). Its stated aim was to incorporate the decisions taken by WRC 15 and include updates on the Table of Frequency Allocations extending up to 3000 GHz.

4.6 SADC Frequency Allocation Plan (FAP)

The Southern African Development Community (SADC) agreed to development of a regional Frequency Allocation Plan (FAP) that provides for a harmonised framework on the allocation of the radio frequency spectrum in the SADC.

The SADC Frequency Allocation Plan revised 2016 with the frequency range 8.3 kHz – 3000GHz and guides the use of frequency in the SADC countries as spectrum coordination is required between SADC members.

This edition of the SADC FAP seeks to align to the changes made by WRC 15 and also reflect all other spectrum usage needs of the SADC region.

The allocations of the SADC FAP are largely consistent with those for South Africa and the SADC FAP is used as a reference in the preparation of the FMP.

4.7 World Radio Conference 2015

For WRC 15, South Africa joined together with other SADC countries to adopt a common position on 30 agenda items related to frequency allocation and frequency sharing for the efficient use of spectrum and orbital resources.

Key issues with potential implications for spectrum migration as a result of WRC 15 includes the following amongst others:

4.7.1 Mobile broadband communications

Following the growing demand for spectrum for mobile broadband services, WRC-15 identified frequency bands in the L-band (1427-1518 MHz) and in the lower part of the C-band (3.3 -3.4 GHz).

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WRC-15 achieved agreement on some additional portions in other bands that were also allocated to mobile broadband services in order to be used in regions where there was no interference with other services.

Furthermore, WRC-15 took a key decision that will provide enhanced capacity for mobile broadband in the **694-790 MHz** frequency band in ITU Region-1 (Europe, Africa, the Middle East and Central Asia) and a globally harmonized solution for the implementation of the digital dividend. In taking this decision WRC 15 ensured the full protection is given to television broadcasting between **470 and 694 MHz**, as well as to the aeronautical radionavigation systems operating in this frequency band.

4.7.2 Amateur radio service gets new allocation

New allocation for amateur radio service in the frequency band 5351.5 - 5366.5 kHz will maintain stable communications over various distances, especially for use when providing communications in disaster situations and for relief operations.

4.7.3 Emergency communications and disaster relief

WRC-15 identified spectrum in the 694-894 MHz frequency band to facilitate mobile broadband communications for robust and reliable mission critical emergency services in public protection and disaster relief (PPDR), such as police, fire, ambulances and disaster response teams.

4.7.4 Search and rescue

WRC-15 reinforced protection to Search and Rescue beacons that transmit in the 406-406.1 MHz frequency band signals to uplink to search and rescue satellites, such as the Cospas-Sarsat system. Resolution 205 was modified to ensure that frequency drift characteristics of radiosondes are taken into account when operating above 405 MHz to avoid drifting close to 406 MHz.

Administrations were requested to avoid making new frequency assignments for the mobile and fixed services within the adjacent frequency bands to prevent interference in the frequency band 406-406.1MHz. As of December 2013, the Cospas-Sarsat System has provided assistance in rescuing over 37,000 persons in over 10,300 incidents worldwide.

4.7.5 Earth observation satellites for environmental monitoring

WRC-15 resolved on a new allocation in the 7-8 GHz frequency range needed to uplink large amounts of data for operations plans and dynamic spacecraft software modifications that will eventually lead to simplified on-board architecture and operational concepts for future missions of earth-exploration satellite services (EESS). Allocations of spectrum in the 9-10 GHz frequency range leads to the development of modern broadband sensing technologies and space-borne radars on active sensing EESS. Scientific and geo-information applications will provide high quality measurements in all weather conditions with enhanced applications for disaster relief and humanitarian aid, land use and large-area coastal surveillance.

4.7.6 Unmanned aircraft and wireless avionics systems

WRC-15 opened the way for the development by the International Civil Aviation Organisation (ICAO) of worldwide standards for unmanned aircraft systems (UAS), and identified the regulatory conditions that may be applied to such systems internationally. WRC-15 also agreed on spectrum for wireless avionics intracommunications (WAIC) to allow for the heavy and expensive wiring used in aircraft to be replaced by wireless systems.

4.7.7 Global flight tracking for civil aviation

Agreement was reached on the allocation of radio-frequency spectrum for global flight tracking in civil aviation for improved safety. The frequency band 1087.7-1092.3 MHz has been allocated to the aeronautical mobile-satellite service (Earth-to-space) for reception by space stations of Automatic Dependent Surveillance-Broadcast (ADS-B) emissions from aircraft transmitters. This will facilitate reporting the position of aircraft equipped with ADS-B anywhere in the world, including oceanic, polar and other remote areas. The International Civil Aviation Organization (ICAO) will address the performance criteria for satellite reception of ADS-B signals according to established standards and recommended practices (SARP).

4.7.8 Enhanced maritime communications systems

WRC-15 considered regulatory provisions and frequency allocations to enable new Automatic Identification System (AIS) applications and other possible new applications to improve maritime Radiocommunication. New applications for data exchange, using

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AIS technology, are intended to improve the safety of navigation. New allocations were made in the bands 161.9375-161.9625 MHz and 161.9875-162.0125 MHz to the maritime mobile-satellite service. Studies will continue on the compatibility between maritime mobile-satellite service (MMSS) in the downlink in the band 161.7875-161.9375 MHz and incumbent services in the same and adjacent frequency bands.

4.7.9 Road Safety

Radio-frequency spectrum needed for the operation of short-range high-resolution automotive radar has been allocated in the 79 GHz frequency band. This will provide a globally harmonized regulatory framework for automotive radar to prevent collisions and improve vehicular safety by reducing traffic accidents. According to the United Nations (UN) data, more than 1.25 million fatalities occur each year on the roads around the world.

4.7.10 Operation of broadband satellite systems: Earth Stations in Motion

WRC-15 agreed to facilitate the global deployment of Earth Stations in Motion (ESIM) in the 19.7-20.2 and 29.5-30.0 GHz frequency bands in the fixed-satellite service (FSS), paving the way for satellite systems to provide global broadband connectivity for the transportation community. Earth stations on-board moving platforms, such as ships, trains and aircraft, will be able to communicate with high power multiple spot beam satellites, allowing transmission rates in the order of 10-50 Mbits/s.

4.7.11 Universal Time

WRC-15 decided that further studies regarding current and potential future reference time-scales are required, including the modification of coordinated universal time (UTC) and suppressing the so-called "leap second". A report will be considered by the World Radiocommunication Conference in 2023. Until then, UTC shall continue to be applied as described in Recommendation ITU-R TF.460-6 and as maintained by the International Bureau of Weights and Measures (BIPM).

4.7.12 Conclusion on WRC 15 Resolutions

The National Radio Frequency Plan 2018 takes into consideration these resolutions taken by the World Radiocommunication Conference of 2015 (WRC 15). National Footnotes have been updated to make provision for transitional arrangements where migration of services and use are to be taken care off.

ITU World Radio Conference resolutions 4.8

The following resolutions from the World Radio Conferences have been taken into consideration. The primary focus is on WRC15, however 4 resolutions from WRC07 have also been analysed. WRC15 is discussed in the Appendix F

4.9 **Key issues with respect to migration**

The following explains the approach to key issues regarding the frequency migration plan: Broadcasting Service

- DTT Digital Terrestrial Television. The process of moving TV services from analogue to digital (and corresponding in-band migration) is in progress. The plans was updated following the WRC 12 along with the allocation of the 700 MHz band to IMT and the corresponding need to consolidate UHF TV broadcasting to the 470-694 MHz UHF band in line with the original Broadcasting Digital Migration Framework (Government Gazette number 31490). The freed spectrum that has been allocated to the Mobile Radiocommunication Services and identified for IMT in the band 790 to 862 MHz (WRC07) and 694 to 790 MHz band is a major spectrum resource for mobile broadband.
- Studio Links These are point-to-point links connecting broadcast studios to transmitters that have been part of the broadcast frequency bands, especially the 800MHz band. With the allocation to the Mobile, of the 700MHz and 800 MHz frequency bands and the subsequent identification to IMT, the studio links had to be migrated out in line with the Frequency Migration Plan 2013. These have been given assignments in the destination bands allocated for Fixed Point to Point links.
- Self Help Stations These are repeater stations rebroadcasting television channels to limited areas on a low power basis 14. These stations are to be switch off, in accordance with the Digital Terrestrial Television Migration Rollout Plan in accordance with the Terrestrial Broadcasting Plan 2013 as updated.

¹⁴ Refer to 'Review of Self-Help Stations' – ICASA Position Paper February 2006 and 'Inquiry into Self Help Stations' - ICASA Discussion document of December 2004.

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Mobile Service

- Mobile broadband. 'Mobile' broadband is an important use of radio frequency spectrum at the current time and there is a large demand for spectrum in several bands for this purpose. As such, mobile broadband is the service that is most likely to require the migration of other services to accommodate its spectrum needs. The allocation of spectrum for mobile broadband / IMT has already been done via WRC resolutions for ITU region 1 as well as per SADC proposed common sub-allocation/ utilization. This ensures that equipment is readily available and a harmonized service can be provided both across the Southern African region as well as other countries in Region 1
- Paging Paging were considered to be a major service at the time of SABRE, however (due mainly to GSM) the use of paging services is declining to the point where it will only be used in certain niche areas such as hospitals. SABRE aimed to consolidate paging channels and planned specific migration to achieve this; however this is probably no longer relevant. It is expected that the remaining principle use will continue to be in medical environments where current allocations for low-power paging services would be more than adequate to meet the demand. Accordingly, the SABRE plans for paging can be discounted. The Frequency Migration Plan 2013 identified destination bands for these Radiocommunication Services and the Radio Frequency Spectrum Assignment Plans in order to implement the migration process.
- Alarms The migration plan identified that there are a large number of assignments in the bands allocated for alarms and the bands are generally highly utilised. The migration plan identified two options to satisfy the present trend of demand for new assignments:

Direct users to convert to a newer technology that is more spectrally efficient and can be accommodated in the existing spectrum allocation.

Allocate more spectrum for Alarms in adjacent bands.

The Frequency Migration Plan 2013 identified destination bands for some of the Alarm Assignments. The Radio Frequency Spectrum Assignment Plans have been developed in order to do with the implementation of these Radiocommunication Services.

Public Safety: The Frequency Migration 2013 identified that:

All public safety services should be consolidated in the same radio frequency band (380 – 400 MHz) and that where possible public safety users should adopt a common standard.

This would have multiple benefits including economic benefits borne out of infrastructure sharing as well as increased effectiveness due to interoperability between users using a common equipment base.

The Frequency Migration Plan 2013, identified the destination bands. The Radio Frequency Assignment Plans have been developed in order to implement the migration process.

4.10 Commentary on bands with respect to Frequency Migration Plan 2013

4.10.1 75.2 - 87.5 MHz

The band is primarily used by Repeaters (Private, Communal) in several applications such as mining, farming and other small businesses. SABRE 1 had proposed migration of the dual-frequency alarms into this band. It is proposed to:

 Radio Frequency Spectrum Assignment Plan was published for public consultation in Government Gazette Number 41164 (Notice 781 of 2017).

4.10.2 138 - 144 MHz

The band is primarily used by Repeaters (Private, Communal) in several applications such as mining, farming and other small businesses along with SF alarms. In addition there is an allocation for remote controlled industrial apparatus (ISM Licence exempt band 141 – 142)¹⁵.

 Radio Frequency Spectrum Assignment Plan was published for public consultation in Government Gazette Number 41164 (Notice 785 of 2017).

4.10.3 150.05 - 153 MHz

The current users may continue to operate in this band in line with the rules;

¹⁵ Government Gazette No. 31290, Notice No. 926 of 2008 as amended.

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 Radio Frequency Spectrum assignments Plan was published for public consultation in Government Gazette Number 41164 (Notice 786 of 2017)

4.10.4 156.4875 - 156.5625 MHz

Although SF Mobile may continue to operate within 156.375 – 156.7625 MHz on a non-interference basis and non-protection basis to Maritime mobile services in inland areas, there are many occasions where these are situated in proximity (50km or less to water-bodies). This is as per ITU RR Article 31 and Appendix 18.

 Radio Frequency Spectrum assignments Plan was published for public consultation in Government Gazette Number 41164 (Notice 971 of 2017).

4.10.5 156.875 - 174 MHz

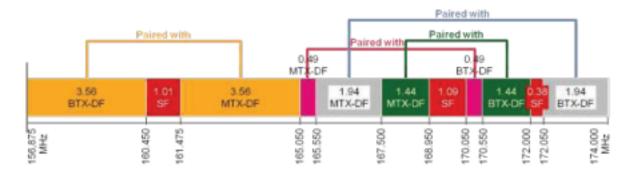


Figure 3 Proposed Allocation 156.875MHz - 174MHz

The planned frequency allocation as per the NRFP in this band is as shown in Figure 3

However at present the MTX-DF (165.55 – 167.5 MHz) and BTX-DF (172.05 – 174 MHz) are interchanged as indicated in Figure 4.

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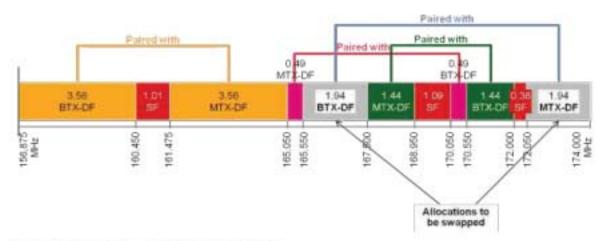


Figure 4 Current situation 156.875MHz - 174MHz

This has resulted in the situation that the BTX lies within the MTX allocation and viceversa, leading to interference and other challenges during assignment.

It is therefore planned to:

- First step: ensure that the appropriate nesting of the spectrum is carried out by swapping the MTX and BTX.
- Second step: Conduct technical feasibility study into simplex frequencies (FDMA or TDMA) with different channel spacing – including coexistence of multiple technologies, bandwidth etc. Depending upon the outcome, the band would need to be re-planned (year 2 + after studies have been completed) – need for studies stemming from the submissions.

4.10.6 174 - 223 MHz

The current analogue Television Services operating in this band is being migrated to DTT since February 2016 in accordance with the Terrestrial Broadcast Frequency Plan 2013. The new allocation could be carried out in line with SADC FAP proposed common suballocation / utilization Including the SADC guidelines on Digital Sound Broadcasting.

Refer to the Radio Frequency Migration Plan Government Gazette No 36334 (Notice no. 352 of 2013).

4.10.7 223 - 230 & 230 - 238 MHz

The band is proposed to be allocated for T-DAB (refer to 4.10.6):

214 - 230 MHz T-DAB.

4.10.8 238 - 267 MHz

This band is currently partially being occupied by Analogue TV. Consequent to the planned migration in line with GE-06, the band can be used for the following purposes as per SADC proposed sub-allocation / utilization:

- 230 238 MHz TV Broadcasting as per submission (to form a complete 8MHz DVB-T2 Channel)
- 238 242.95 MHz PMR including public trunking (national trunking)
- 242.95 243.05 MHz International Distress
- 243.05 246 MHz Low power devices ancillary to broadcasting services.
- 246–254 MHz TV Broadcast (Channel 13)
- 254 267 MHz PMR and/ or PAMR including public trunking (national trunking)

4.10.9 335.4 - 387 MHz

Spectrum in this band could be freed up for rural broadband if equipment for FBWA in this band is available in the market. The current players have shown indications that they may relinquish this spectrum due to spectrum fees imposed.

Planned feasibility study on the use of this band as per SADC FAP proposed suballocation/ utilization:

- 335.4-336 MHz PMR and / or PAMR.
- 346.0-356.0 MHz PMR and / or PAMR.
- 366.0-380.0 MHz PMR and / or PAMR.
- 336-346 MHz paired with 356-366 MHz for Fixed Wireless Access/ PTP/PTMP rural system.

4.10.10 335-387 & 387 – 390 & 390 – 399.9MHz

This band is currently used for public trunking services. In addition there is a Mobile Data Service (WBS) operating in this band as well the SADC proposed sub-allocation/utilization indicates use for PMR and/ or PAMR as well as PPDR. Given the utilization for Digital Trunked Mobile in the NRFP there is the possibility of other services (including

those using FDMA) and other TDMA systems, including DMR, may be introduced in this band.

ICASA planned a feasibility study to consider:

410 – 430 MHz reserved for digital public trunking only.

All other services apart from public trunking to be migrated out of the band.

This exercise has also to be synchronized with the migration into the PPDR band (380 – 400 MHz)

The planned time period would be determined after the 380 – 400 MHz migration plan (above) is finalized

It is important to note that although this band is allocated to Digital Trunking there are several different technologies which could suit this purpose, not all of which are interoperable with each other. In the present assignments there are several who are using TETRA, while other Digital Trunking technologies are also being proposed. Proposals will be invited to determine the best way forward which would allow technology neutrality but however would ensure that interference between users using different technology standards (FDMA versus TDMA etc.) is minimized.

 Radio Frequency Spectrum assignments Plan was published for public consultation in Government Gazette Number 41164 (Notice 787 of 2017)

4.10.11 410 – 420 & 420-430 MHz

The frequency band 410 to 430 MHz is exclusively allocated for Digital Public Trunking.

4.10.12 440 - 450 MHz

This band is allocated for Short Range Business Radio (441 – 441.1 MHz) while the remaining portion is allocated for PMR (both UHF repeaters and DMR). The Short Range Business Radio has wide application in South Africa and is type approved (unlicensed). It is important to ensure that this sub-band is maintained for Short Range Business Radio purposes. There is no migration planned in the PMR sub-band.

It is hence resolved that:

■ 441 – 441.1 MHz (paired with 446 to 446,1 MHz be allocated to Short-range Business radio.

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- 440 441 MHz (paired with 445 446 MHz) be used for temporary assignments within PMR band.
- All other users migrate out of the band.
- The rest of the users in this band can stay as-is.

4.10.13 450 - 455 & 455 - 456 & 456 - 459 & 459 - 460 & 460 - 470 MHz

This band is currently used for Trunked Mobile with several users including the Railways (Transnet) and mines (Figure 5). The SADC FAP proposed common sub-allocation/ utilization seeks to allocate this spectrum for Mobile IMT. This is important to note that several adjacent countries (e.g. Mozambique) are moving to implement this proposal. Although the band has a large number of assignments, a recently concluded spectrum audit indicates that the spectrum usage is quite low – indicating inefficient spectrum use.

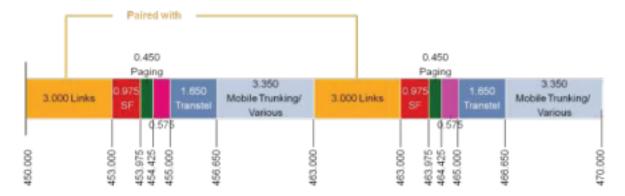


Figure 5 Current assignment 450 - 470 MHz

In view of the other spectrum that has been identified for IMT, it was decided therefore:

- To migrate the current users out of this band into the radio frequency 3 GHz and above;
- To allocate this band to Mobile (IMT) as per Res. 224 of WRC-07;
- To develop the Final Radio Frequency Spectrum Assignment Plan: Frequency Band 450 to 470 MHz was published in Government Gazette Number 38640 (Notice 270 of 2015, in accordance with the Frequency Migration Plan published in government Gazette Number 2013 GG 36334 (Notice 352 and 353 of 2013) and

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the Final International Mobile Telecommunications Roadmap 2014, published in Government Gazette Number 38146 (Notice 1009 of 2014).

In view however of the large number of assignments in this band, comments in this respect are particularly welcome

4.10.14 694 - 790 MHz

• Migration in this band is to be implemented in accordance with the Terrestrial Broadcasting Frequency Plan, published in Government Gazette 36321 (Notice 298 of 2013) and the ongoing efforts within the 700 MHz Band as defined in Government Gazette Number 40145 (Notice Number 438 of 2016)

4.10.15 790 - 862 MHz

This band has been allocated for IMT (Terrestrial) for Region 1 countries at WRC-07) and is often termed as Digital Dividend 1. Currently this band is occupied by UHF TV. Migration is currently underway.

It is proposed that:

■ The migration plan is aligned with the on-going efforts within the 800 MHz band as defined in Government Gazette 40145¹⁶.

- With respect to the small number of Studio to Transmitter Links (STL's) in this band; these must be migrated out and given point to point fixed assignments.
- Self Help stations must be migrated out into the broadcast bands below 692 MHz
- Migration in this band is to be implemented in accordance with the Terrestrial Broadcasting Frequency Plan, published in Government Gazette 36321 (Notice 298 of 2013).

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¹⁶ Government Gazette 40145 (Notice Number 438 of 2016) : Invitation to apply for a radio frequency spectrum licence to provide mobile broadband wireless access services for urban and rural areas using the complimentary bands, 700 MHz, 800 MHz and 2.6GHz

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4.10.16 862 - 890 MHz

This band currently has several users including:

- Wireless audio (863-865 MHz).
- Fixed links (868.1–876 MHz).
- RFID (865 868 MHz), RFID (869.4-869.65 MHz).
- Alarms (868.6 868.7 MHz, 860.25 869.3 MHz, 869.65 869.7 MHz).
- Wireless Access Services (824-849 MHz paired with 869-894 MHz).
- Mobile (880-890 MHz paired with 925-935 MHz) currently assigned to Liquid Telecom (Neotel).

It is essential to note that alarms were not part of the SABRE proposed allocations and may need to be consolidated within designated alarm bands. Additionally there is some level of confusion with regards to the Wireless Access Service (824-849 MHz paired with 869-894 MHz) as part of the NRFP – given that such an assignment would interfere with the Mobile band assigned to Liquid Telecom (Neotel). It is proposed to:

- Align re-planning efforts within the 800 MHz band as defined in Government Gazette Number40145 (Notice Number 438 of 2016)¹⁷.
- Remove the assignment for Wireless Access Services in this band.
- Re-plan the entire band to accommodate IMT (terrestrial) as per SADC FAP proposed common sub-allocation/ utilization.
- Migrate existing users out of this band.

NOTE;

The migration plan as contained in Government Gazette number 36334 (Notices Number (352 and 353 of 2013) were implemented through the following notices;

¹⁷ Government Gazette 40145 (Notice Number 438 of 2016): Invitation to apply for a radio frequency spectrum licence to provide mobile broadband wireless access services for urban and rural areas using the complimentary bands, 700 MHz, 800 MHz and 2.6GHz.

- a) Radio Frequency Assignment Plan for the Band 825 to 830 MHz and 870 to 875 MHz was published in Government Gazette Number 38640 (Notice 274 of 2015) and
- b) Government Gazette Number 41082 (Notice 648 of 2017) for public consultation in accordance with the Frequency Migration Plan published in Government Gazette Number 36334 (Notice 352 and 353 of 2013) and
- the Final International Mobile Telecommunications Roadmap 2014, published in Government Gazette Number 38146 (Notice 1009 of 2014

4.10.17 890 - 942 MHz

This Planned was implemented through a notice in the Government Gazette;

 RFSAP was developed and is contained in Government Gazette number 38640 (Notice Number 275 of 275 of 2015)

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4.10.18 942 - 960 MHz

This band currently is allocated for GSM900 (Vodacom, MTN). There is currently no spare capacity left in this band.

It is proposed that:

- No migration is planned for the band, the allocations remain as-is;
- Spectrum re-farming, when deemed necessary is carried out based upon the principles and policies defined in section 4.12; and
- RFSAP to be developed.

4.10.19 1350 - 1375 (1492- 1517)/ 1375 - 1400 (1427 - 1452) MHz

This band is currently allocated to low capacity PTP / DF links. Spectrum is available on a radio coordinated basis. Based upon availability of equipment as well as user demand, ICASA proposes that:

Maintain existing links where required (too expensive to migrate etc.).

- Allocation to rural broadband (BFWA) due to good propagation characteristics.
- Feasibility Study was delayed until after WRC-15 decision (enabling harmonization, equipment availability etc.).
- Plan to developed the Radio Frequency Assignment Plan in line with the studies within ITU-R WP 5D in respect of L-Band.

4.10.20 1452 - 1492 MHz

This band is currently allocated to T-DAB and S-DAB due to the current South African allocations of BROADCASTING and BROADCASTING-SATELLITE. Given the allocation of DAB+ in the VHF band (from 214 – 230 MHz) it is important to determine whether the frequency allocation is sufficient or additional spectrum in the L-band needs to be allocated for the purpose. Consideration of this depends upon:

- Whether there is sufficient and adequate demand for DAB services to require assignment in two bands.
- Whether equipment is readily available encompassing both bands.

Under the present and forecasted situation, it is believed that the DAB+ allocation in the VHF band is sufficient to meet the requirements of T-DAB. This would also result in lower equipment costs since any receiver would have to be designed to cover only a single band rather than two distinct bands. In addition, S-DAB may have only very limited potential within South Africa and this spectrum may be better utilized for other purposes. It is there proposed by ICASA to:

- Modify the allocation in this band and align it with the ITU Region 1 to include FIXED, MOBILE except aeronautical mobile, BROADCASTING and BROADCASTING-SATELLITE.
- Allocate this band to PTP/ PMP/ BFWA depending upon the availability of equipment.
 Communal/ private repeaters could also operate in this band.
- Feasibility Study to be conducted.

4.10.21 1518 - 1525 MHz

The band was allocated for both SF links as well as the IMT satellite component. However, this band remains unoccupied and there are views that the IMT (satellite) will have limited usage within South Africa.

Due to these factors, ICASA proposes to:

- Allocate this band for repeater links for land-mobile radio (LMR) and migrate such links into this band.
- Band could also be allocated for outside-broadcasting links currently operating in 2300
 2450 MHz
- Radio Frequency Spectrum Assignment Plan was published for public consultation in Government Gazette Number 41164 (Notice 784 of 2017)

The band has been identified for IMT (satellite); Res. 225 (WRC applies). In the band 1530 – 1544 MHz priority for maritime mobile distress, urgency and safety communication (GMDSS); Res. 222 applies. The band is currently being used by INMARSAT.

The Radio Frequency Spectrum Assignment Plan to be developed

4.10.23 1668 – 1675/ 2483.5 - 2500 MHz

The band has been identified for the satellite component of IMT; Res 225 applies. However, the use of IMT (Satellite) within South Africa is limited and it is unclear whether this application would ever become significant for broadband with the strong growth of IMT (Terrestrial).

It was therefore decided to:

• Change the current allocation to be in line with ITU Region 1 allocations of:

1668 - 1668.4 MHz:

- MOBILE-SATELLITE (earth-to-space)
- RADIO ASTRONOMY
- SPACE RESEARCH (passive)
- o Fixed
- Mobile except aeronautical mobile

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1668.4 - 1670 MHz:

- METEOROLOGICAL AIDS
- o FIXED
- MOBILE except aeronautical mobile
- MOBILE-SATELLITE (earth-to-space)
- RADIO ASTRONOMY

1670 - 1675 MHz:

- METEOROLOGICAL AIDS
- o METEOROLOGICAL SATELLITE (space-to-earth)
- MOBILE
- MOBILE-SATELLITE (earth-to-space)
- This change in allocation, in line with ITU region 1 would open up the possibilities of introducing fixed links (PTP, PMP) into this band.
- No Migration at this stage.

FIXED service allocations is currently not included in Government Gazette Number 41650 (Notice 266 of 2018)

4.10.24 1880 - 1900 MHz

The band was allocated for cordless DECT by SABRE proposed allocation. This is being currently in use by Telkom to provide WLL services. Depending upon the current utilization of this band, as per SADC FAP proposed common sub-allocation/ utilization, the Authority decided to:

- Allocate this band to BFWA, and
- To have no Migration.

4.10.25 1980-2010/ 2170-2200 MHz

The band has been identified for the satellite component of IMT; Res 225 applies. However, the use of IMT (Satellite) within South Africa is limited and it is unclear whether this application would ever become significant for broadband with the strong growth of IMT (Terrestrial). The band is also allocated for Fixed Links, but currently lies unused in

the lower band and utilized by SANDF, Transnet amongst other users in the upper band; this is however under-utilized. The Authority has therefore decided to:

- Allocate for Fixed links and migrate in fixed links from other bands into this band.
- Allocate for BFWA depending upon availability of equipment in these bands (New ICASA proposal).
- Have no Migration at this stage.

4.10.26 2025 – 2110 paired with 2200 - 2285 MHz

The band is currently allocated for fixed links – but is under-utilized. SABRE proposed use of 2075 - 2110 MHz for WLL was never implemented.

It is decided to:

 Develop a Radio Frequency Spectrum Assignment Plan which was published for public consultation in Government Gazette Number 41164 (Notice 782 of 2017) for public consultation.

4.10.27 2290 - 2300 MHz

Currently unused; In line with SADC proposed common sub-allocation/ utilization, ICASA proposes to:

- Allocate this band to BFWA.
- Develop a Radio Frequency Spectrum Assignment Plan which was published for public consultation in Government Gazette Number 41164 (Notice 783 of 2017) for public consultation.

4.10.28 2300 - 2450 MHz

The band is currently in use for several services including:

- Fixed links 2307 2387 MHz paired with 2401 2481 MHz
- Outside broadcasting links (28 MHz) primary basis at (2377, 2471 MHz), secondary basis at (2321, 2349 MHz, 2415, 2443 MHz).
- ISM 2400 2483.5 MHz

As per SADC FAP proposed common sub-allocation/ utilization, it is proposed to:

■ Allocate 2300 – 2400 MHz for IMT (Terrestrial).

- Continue to retain allocation of 2400 2483.5 MHz for ISM.
- Existing Fixed links could be migrated above 3 GHz.
- Migrate outside-broadcasting links in line with the DTT migration (potentially to 1518 – 1559 MHz band).

The Authority decided that;

A feasibility study is to be conducted

4.10.29 2500 - 2690 MHz

■ The RFSAP was developed and is contained in Government Gazette number 38640 (Notice Number 277 of 2015)

4.10.30 3400 - 3600 MHz

The RFSAP was developed and is contained in Government Gazette number 38640 (Notice Number 278 of 2015)

4.10.31 3600 - 4200 MHz

This band (C-band) is currently being utilized for PTP links (terrestrial backhaul) and Satellite links including VSAT, Satellite downlink and tracking. The proposed allocation as per SADC proposed common sub-allocation/ utilization is:

- (3600-4200 MHz) Fixed services (PTP).
- (3600-4200 MHz) Fixed-satellite (space-to-Earth) (PTP/VSAT/SNG).
- (3600-3800 MHz) Broadband Fixed Wireless Access (BFWA).

The sub-band 3600-3800 MHz could be used for BFWA where frequency sharing with FS PTP and/or FSS is feasible. The channelling arrangement for PTP links in this band is based on ITU-R Recommendation F.635. The sub-band 3600-4200 is used for medium and high capacity PTP links and FSS. In the band 3600-3800 MHz, BFWA, FS PTP and FSS applications will have to operate on coordinated basis. However, considering the difficulty in coordinating ubiquitous user terminals used for BFWA and VSAT,

The Authority has decided that:

VSAT systems should be migrated to the Ku-band (ref: 4.10.36).

RFSAP to be developed.

4.10.32 5470 - 5725 MHz

As per as per SADC proposed common sub-allocation/ utilization, the band can be allocated for:

- Wireless Access Systems (WAS) / RLAN.
- No Migration at this stage.

4.10.33 5725 - 5850 MHz

This band is currently being used for ISM, amateur and SRD services. As per ITU footnote 5.453 the band can also be allocated for fixed and mobile services on a primary basis. SADC FAP footnote SADC18 allocates this band for similar services in Swaziland and Tanzania. The NRFP can be updated to reflect the assignment if there is an interest within South Africa for this service in the band.

No Migration at this stage.

4.10.34 5850 - 5925 MHz

The upper C-band is currently being used for terrestrial backhaul and satellite (uplink, VSAT). As per the SADC FAP proposed common sub-allocation/ utilization outside broadcasting links could also be potentially migrated into this band with the proposed allocation as follows:

- Fixed-satellite uplinks (PTP/VSAT/SNG) (5850-6425 MHz) this could also be used for temporary outside-broadcast links.
- FIXED links (5850-5925 MHz).
- ISM (5725-5875 MHz).
- No Migration at this stage.

4.10.35 5925 - 6700 MHz

As per the SADC proposed common sub-allocation/ utilization the current band would be allocated as follows:

5925 – 6425 MHz Fixed links (lower 6 GHz in accordance with ITU-R Rec. F.383).

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- 6425 7110 MHz Fixed links (upper 6 GHz in accordance with ITU-R Rec. F.384).
- 5850 6425 Fixed-satellite uplinks (PTP, VSAT, SNG).
- No Migration at this stage.

4.10.36 10700 - 11700 MHz

This is the defined Ku band. VSAT links should be migrated into this band as per SADC proposed common sub-allocation/ utilization.

No Migration at this stage.

4.10.37 12390, 16420 and 154 – 15700 MHz

No Migration at this stage

4.10.38 40000 MHz and above

Although out-migration is not an issue above 40GHz, the following comment should be made:

- Frequency bands above 40 GHz are relatively under-utilized. Equipment is available off the shelf for high bandwidth PTP links over distances of up to 5km. It is proposed that in the spectrum above 40GHz, allocations are made for Fixed Services such as PTP links which would be useful especially in metropolitan areas for line-of-sight (LoS) high capacity data links.
- It is planned to carry out studies regarding the use of the high frequency band in accordance with WRC 19 Agenda Item 1.13

4.11 Summary of the Authority's decision

The following table summarises the Authority's decision is making regarding frequency migration as extracted from the previous section. These decisions are additional to those proposals made by SABRE and migrations stemming from the WRC and the SADC FAP.

Table 2 Consolidated list of New ICASA proposals for migration

Frequency Band (MHz)	Notes on migration/ usage
141 – 141.5	Migrate SF Mobile out of this band and allocate for SF alarms.

Frequency Band (MHz)	Notes on migration/ usage
141 – 142	Migrate remote controlled industrial apparatus to ISM Band.
380 – 400	Allocated for public safety/ government services. Migrate all such users into this band.
410 – 430	Allocated for Digital Public Trunking.
440 – 440.1 paired with 445 – 445.1	Allocated for Short-range Business Radio; all other users migrate out of band.
921 - 925 paired with 876 - 880	Allocated for GSM-R; migrate other users out of this band.
1350 – 1375 paired with 1492- 1517 1375 – 1400 paired with 1427 – 1452	Allocate for Rural BFWA; migrate existing fixed duplex links out of this band.
1452 - 1492	Change allocation to include FIXED, MOBILE except aeronautical mobile. Use for BFWA/ PTP/ PMP depending upon availability of equipment.
1518 – 1559	Allocate for links for LMR repeaters; Migrate in outside-broadcasting links currently operating in 2300 – 2450 MHz
1668 – 1675	Change allocation in line with ITU Region 1 allocations to include FIXED and Mobile except aeronautical mobile within the allocations.
1980 – 2010 paired with 2170- 2200	Migrate in Fixed links (DF) from other bands; allocate for BFWA.
2025 – 2110 paired with 2200 - 2285	Migrate in Fixed links (DF) from other bands; allocate for BFWA.
2300 – 2450	Migrate outside broadcasting links to the 1518 – 1559 MHz band.

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4.12 Commentary on Spectrum Re-farming

4.12.1 Definition of spectrum re-farming

Spectrum re-farming is defined as a process of changing the conditions of frequency usage in any part of the radio spectrum¹⁸. This includes:

- Change of the technical conditions of the frequency assignment.
- Change of the application.
- Change of allocation to a different telecommunications service.

4.12.2 Need for Re-farming in GSM / Mobile bands

Frequency bands in the sub- GHz range are attractive to operators since it offers better propagation characteristics leading to better coverage at lower cost as well as indoor coverage in comparison to higher frequency bands.

At the same time mobile broadband subscriptions and traffic continue to grow at a rapid rate and is expected to reach over 5 billion devices by 2016, worldwide. This is mainly due to a shift towards mobile-broadband enabled smart phones over voice centric phones in the mass market coupled with a rapid declining price for the same. However, in order to provide a good quality of mobile broadband service requires better network quality. This can be achieved either through:

- Enhancements in technology (MIMO, Adaptive techniques etc.) or.
- Additional spectrum dedicated to mobile broadband either via new carriers or new bands.

This trend also leads to the phenomenon that as a larger number of users migrate to smart-phones the incumbent 'voice only' bands i.e. GSM 900 and 1800 MHz in this case will have spectrum which is being inefficiently utilized (due to fewer users). However, as these bands have been allocated for a particular application the incumbent licensees are not able to use the same band for other purposes (e.g. mobile broadband)

At the same time, it is important that the spectrum being allocated/ dedicated have as wide a regional footprint as possible – this will drive down device costs due to economies

¹⁸ ICT Regulation Toolkit

of scale. The legacy GSM bands at 900 MHz and 1800 MHz fall into this category. For e.g. the GSM 1800 MHz band is used by over 350 operators in 148 countries around the world¹⁹.

The result is that in order to be able to better utilize the currently assigned frequencies and maximize the social impact by leveraging economies of scale it may be necessary to consider spectrum re-farming, especially in the heavily used GSM bands.

4.12.3 Points of consideration for GSM / Mobile Bands

- South Africa still retains a large number of its subscriber base for Voice with the current 2G GSM spectrum (900 MHz and 1800 MHz) being fully utilized by the current license holders. This subscriber base would to a large extent be represented by lower income groups and it would be important to maintain the voice service for their benefit.
- Until such a stage is reached that the subscriber base using the existing 2G spectrum is reduced in size to a level where the existing 2G bands have spare capacity, the issue of spectrum re-farming should not be allocated high priority. Instead efforts should be focused towards locating additional bands for IMT as per WRC and SADC proposed spectrum allocation/ utilization.
- However, it should be noted that in some cases, such spectrum re-farming may also be in the interest of the current licensee (e.g. the operator) since it allows him to change the allocation/ technical conditions in order to better serve his customer base.
- The GSM 900 MHz and 1800 MHz frequencies are currently occupied by the incumbent mobile operators who have nationwide assignments. If there is a case to inject competition in this market, a re-farming exercise would also need to consider ways and means to re-allocate spectrum between the incumbents and new entrant(s) so as to facilitate free and fair competition. Such an exercise could be carried out for both 900 and 1800 bands at the same time in conjunction with assignments in other bands allocated to IMT to allow existing operators to maintain their existing level of service.

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¹⁹ Delivering the best mobile broadband experience: the 1800MHz spectrum 're-farming' opportunity (Ericsson)

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5 Potential Impact of Spectrum Migration

5.1 Bands planned for IMT

One of the critical issues under public debate in South Africa is the availability of spectrum for mobile broadband wireless access.

A total of 649 MHz of spectrum is made available for IMT following SADC FAP proposed common sub-allocation and WRC resolutions, as-is indicated by the following table.

Table 3 Bands planned for IMT

Frequency Band (MHz)	Bandwidth (MHz)	Current Allocation	Notes
450 – 470	20	Various allocations (Fixed, Mobile)	Enabled for IMT as per WRC-7, Res. 224 applies
694 – 792	98	TV Broadcasting	Enabled for IMT as per WRC-12, Res. 232 – Digital Dividend 2
790 – 862	72	TV Broadcasting	Enabled for IMT as per WRC-7, planned for 2015 – Digital Dividend 1
862 – 876	14	Fixed, Alarms, Mobile Wireless Access	Enabled for IMT as per SADC FAP proposed common sub- allocation/ utilization
1880 – 1920	40	DECT/ Extended DECT (Telkom National License)	Enabled for IMT as per SADC FAP proposed common sub- allocation/ utilization

2010 – 2025	15	FIXED / MOBILE	Enabled for IMT as per SADC FAP proposed common sub-allocation/ utilization
2500 – 2690	190	MOBILE	Enabled for IMT as per SADC FAP proposed common sub-allocation/ utilization
3400 – 3600	200	BFWA	Enabled for IMT as per WRC-07, effective Nov. 2010

This does not include the frequency already allocated and assigned to GSM / UMTS.

5.2 Frequency Migration Resolutions resulting from WRC 15

The following Resolutions were considered to be included in the Frequency Migration Plan 2018.

Table 4 WRC resolutions

Frequency Band (MHz)	WRC	Res. / Rec.	Footnot e	Resolution/ Footnote
5.3515 - 5 3665	15		5.133B	1. Stations in the amateur service using the frequency band 5 351.5-5 366.5 kHz shall not exceed a maximum radiated power of 15 W (e.i.r.p.).
108 - 117.975	12	413		Use by aeronautical mobile (R) service without interfering with existing ARNS systems
450 – 470	7	224		Frequency bands for the terrestrial component of International Mobile Telecommunications below 1 GHz

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694 – 790	12	232		 Use of the frequency band 694- 790 MHz by the mobile, except aeronautical mobile, service in Region 1 and related studies
790 – 862	12	224		 Frequency bands for the terrestrial component of International Mobile Telecommunications below 1 GHz
1 452-1 492	15	223, 750 & 761	5.346	 Additional frequency bands identified for International Mobile Telecommunications Compatibility between the Earth exploration-satellite service (passive) and relevant active services Compatibility of International Mobile Telecommunications and broadcasting-satellite service (sound) in the frequency band 1 452-1 492 MHz in Regions 1 and 3
960 – 1164	12	417		 Use of 960 – 1164 MHz by aeronautical mobile (R) service meeting standard and recommended practice
1518 - 1544 1545 - 1559 1610 - 1626.5 1626.5 - 1645.5 1646.5 - 1660.5 1668 - 1675 2483.5 - 2500	12	225		10. Use of additional frequency bands for the satellite component of IMT
1525 – 1559/ 1626.5	12	222		11. Use of 1525-1559 MHz and 1626.5-1660.5 MHz by the

– 1660.5				mobile-satellite service, and procedures to ensure long- term spectrum access for the aeronautical mobile-satellite (R) service
161.9375 -161.9625	15		5.228AA	12. The use of the frequency bands 161.9375-161.9625 MHz and 161.9875-162.0125 MHz by the maritime mobile-satellite (Earth- to-space) service is limited to the systems which operate in accordance with Appendix 18. (WRC-15)
161.9875-162.0125 MHz	15		5.228AA	13. The use of the frequency bands 161.9375-161.9625 MHz and 161.9875-162.0125 MHz by the maritime mobile-satellite (Earth- to-space) service is limited to the systems which operate in accordance with Appendix 18. (WRC-15)
173.7 – 175.1			NF5	14. This frequency band may be used for wireless microphones for services ancillary to Broadcasting (SAB) and services ancillary to programme (SAP) making. Use of wireless microphones must be coordinated and licensed.
403-406 MHz	15	205	5.265	15. Protection of the systems operating in the mobile satellite service in the frequency band 406-406.1 MHz
406-406.1	15	205	5.265	16. Protection of the systems operating in the mobile satellite service in the frequency band 406-406.1 MHz
406.1-410 MHz	15	205	5.265	17. Protection of the systems operating in the mobile satellite

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				service in the frequency band
				406-406.1 MHz
410-420 MHz	15		5.268	18. Use of the frequency band 410-
				420 MHz by the space research
				service is limited to space-to-
				space communication links with
				an orbiting, manned space
				vehicle.
432-438 MHz	15		5.279A	19. The use of the frequency band
	10		J.273A	432-438 MHz by sensors in the
				Earth exploration-satellite
				service (active) shall be in
				accordance with
				Recommendation ITU-R
				RS.1260-1
450-455 MHz	4-	06.1	E 00011	20. Frequency bands for the
	15	224	5.286AA	terrestrial component of
				International
				Mobile Telecommunications
				below 1 GHz
455-456 MHz				21. Frequency bands for the
433-430 WH IZ	15	224	5.286AA	terrestrial component of
				International Mobile
				Telecommunications below 1
450 450 MH				GHz
456-459 MHz	15	224	5.286AA	22. Frequency bands for the
				terrestrial component of
				International Mobile
				Telecommunications below 1
				GHz
456-459 MHz	15	224	5.287	23. Use of the frequency bands
				457.5125-457.5875 MHz and
				467.5125-467.5875 MHz by the
				maritime mobile service is
				limited to on-board
				communication stations.
459-460 MHz	15	224	5.286AA	24. Frequency bands for the
				terrestrial component of
				International Mobile

				Telecommunications below 1
				GHz
				J <u>_</u>
460-470 MHz	15	224	5.286AA	25. Frequency bands for the
				terrestrial component of
				International Mobile
				Telecommunications below 1
				GHz
				26.
470-694 MHz	15	760	5.296	27. Additional allocation: the
	10	700	0.200	frequency band 470-694 MHz is
				also allocated on a secondary
				basis to the land mobile service,
				intended for applications
				ancillary to broadcasting and
				programme-making.
694 – 790 MHz	45	224 700	E 040A	28. Provisions relating to the use of
	15	224, 760	5.312A,	the frequency band 694-790
			5.317A	MHz in Region 1 by the mobile,
				except aeronautical mobile,
				service and by other services
790 – 862 MHz				29. Use of the frequency band 790-
	15	224, 749	5.312A,	862 MHz in countries of Region
			5.317A	1 and the Islamic
				Republic of Iran by mobile
				applications and by other
				services
862-890 MHz				30. The parts of the frequency band
002-030 WII 12	15	224,	5.317A	698-960 MHz in Region 2 and
		760 & 749		the frequency bands 694-790
				MHz in Region 1 and 790-960
				-
				MHz in Regions 1 and 3 which are allocated to the mobile
				service on a primary basis are
				identified for use by
				administrations wishing to
				implement International Mobile
				Telecommunications (IMT)
960-1 164 MHz	15	417	5.327A,	31. Use of the frequency band 960-

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			E 000	4.404.1411.1
			5.328	1 164 MHz by the aeronautical
				mobile (R) service
1 350-1 400 MHz	15	750		32. Compatibility between the Earth
				exploration-satellite service
				(passive)
				33. and relevant active services
1 427-1 429 MHz	15	223	5,341A	34. Additional frequency bands
			0,01171	identified for International Mobile
				Telecommunications
1 452-1 492 MHz	15	222 720	5.346,	35. Additional frequency bands
	15	223, 739, 761	5.346, 5.208B	identified for International Mobile
		701	5.2066	Telecommunications
				36. Compatibility of International
				Mobile Telecommunications and
				broadcasting-satellite service
				(sound) in the frequency band 1
				452-1 492 MHz in Regions 1
				and 3
1 492-1 518 MHz				37. Additional frequency bands
1 492-1 310 WHZ	15	223	5.341A	identified for International Mobile
				Telecommunications
4 505 4 500 MH-				
1 525-1 530 MHz	15	739	5.208B	38. Compatibility between the radio
				astronomy service and the
				active space services in certain
				adjacent and nearby frequency
				bands
1 530-1 535 MHz	15	739	5.208B	39. Compatibility between the radio
				astronomy service and the
				active space services in certain
				adjacent and nearby frequency
				bands
1 535-1 559 MHz	15	739	5.208B	40. Compatibility between the radio
		. 30	7.202	astronomy service and the
				active space services in certain
				adjacent and nearby frequency
				bands
1 559-1 610 MHz	15	739	5.208B	41. Compatibility between the radio
	15	138	J.200D	astronomy service and the
				active space services in certain

			1	
				adjacent and nearby frequency
				bands
1 613.8-1 626.5 MHz	15	739	5.208B	42. Compatibility between the radio
				astronomy service and the
				active space services in certain
				adjacent and nearby frequency
				bands
1 710-1 930 MHz	15	223, 212	5.384A,	43. Additional frequency bands
		,	5.388	identified for International Mobile
				Telecommunications
				44. Implementation of International
				Mobile Telecommunications in
				the frequency bands 1 885-2
				025 MHz and 2 110-2 200 MHz
1885 – 2025/ 2100 -	07	212		45. Implementation of International
2200	3.			Mobile Telecommunications in
				the bands 1885-2025 MHz and
				2110-2200 MHz
1 930-1 970 MHz	15	223, 212	5.388	46. Additional frequency bands
			0.000	identified for International Mobile
				Telecommunications
				47. Implementation of International
				Mobile Telecommunications in
				the frequency bands 1 885-2
				025 MHz and 2 110-2 200 MHz
1970-1980 MHz	15	223, 212,	5.388	48. Additional frequency bands
		220, 212,	0.000	identified for International Mobile
				Telecommunications
				49. Implementation of International
				Mobile Telecommunications in
				the frequency bands 1 885-2
				025 MHz and 2 110-2 200 MHz
1980-2010 MHz	15	223,212	5.388	50. Additional frequency bands
	10	220,212	3.000	identified for International Mobile
				Telecommunications
				51. Implementation of International
				Mobile Telecommunications in
				the frequency bands 1 885-2
				025 MHz and 2 110-2 200 MHz

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	ı		ı	
2010-2025 MHz 2110-2120 MHz	15	223,212	5.388	 52. Additional frequency bands identified for International Mobile Telecommunications 53. Implementation of International Mobile Telecommunications in the frequency bands 1 885-2 025 MHz and 2 110-2 200 MHz 54. Additional frequency bands identified for International Mobile Telecommunications 55. Implementation of International Mobile Telecommunications in the frequency bands 1 885-2 025 MHz and 2 110-2 200 MHz
2120-2160 MHz	45	000	F 200	56. Additional frequency bands
	15	223 212	5.388	identified for International Mobile Telecommunications 57. Implementation of International Mobile Telecommunications in the frequency bands 1 885-2 025 MHz and 2 110-2 200 MHz
2160-2170 MHz	15	223 212	5.388	 58. Additional frequency bands identified for International Mobile Telecommunications 59. Implementation of International Mobile Telecommunications in the frequency bands 1 885-2 025 MHz and 2 110-2 200 MHz
2170-2200 MHz	15	223 212		 60. Additional frequency bands identified for International Mobile Telecommunications 61. Implementation of International Mobile Telecommunications in the frequency bands 1 885-2 025 MHz and 2 110-2 200 MHz
2200-2290 MHz	97	622	5.391	62. In making assignments to the mobile service in the frequency bands 2 025-2 110 MHz and 2 200-2 290 MHz, administrations

				shall not introduce high-density mobile systems
2300 – 2400	12	223		63. Additional frequency bands identified for IMT
3300-3400 MHz	15	223	5.429A, 5.429B	64. Additional frequency bands identified for International65. Mobile Telecommunications
3400-3600 MHz	2004		5.430A	66. The allocation of the frequency band 3 400-3 600 MHz to the mobile, except aeronautical mobile, service is subject to agreement obtained under No. 9.21.
4200-4400 MHz	15	424	5.436, 5.437	67. Use of Wireless Avionics Intra- Communications in the frequency band 4 200-4 400 MHz
5010-5030 MHz	15	741	5.443B	68. Protection of the radio astronomy service in the frequency ban 4 990-5 000 MHz from unwanted emissions of the radionavigation - satellite service (space-to-Earth) operating in the frequency band 5 010-5 030 MH
5030-5091 MHz	15	114	5.444	69. Compatibility between the aeronautical radionavigation service and the fixed-satellite service (Earth-to-space) (limited to feeder links of the nongeostationary mobile-satellite systems in the mobile-satellite service in the frequency band 5 091-5 150 MHz
5091-5150 MHz	15	114	5.444A, 5.444	70. Compatibility between the aeronautical radionavigation service and the fixed-satellite service (Earth-to-space) (limited to feeder links of the non-

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5150 – 5250/ 5250 – 5350/ 5470 – 5725	12, Rev.15	229	5.446	geostationary mobile-satellite systems in the mobile-satellite service) in the frequency band 5 091-5 150 MHz 71. Use of the bands 5150-5250 MHz, 5250-5350 MHz and 5470- 5725 MHz by the mobile service for the implementation of wireless access systems including radio local area networks
5250-5255 MHz		229,	5.447F	72. Use of the bands 5150-5250 MHz, 5250-5350 MHz and 5470- 5725 MHz by the mobile service for the implementation of wireless access systems including radio local area networks
5470-5570 MHz	15	229	5.450A	73. Use of the bands 5150-5250 MHz, 5250-5350 MHz and 5470- 5725 MHz by the mobile service for the implementation of wireless access systems including radio local area networks
5 725-5 830 MHz	15	762	5.150	74. Application of power flux-density criteria to assess the potential for harmful interference under No. 11.32A for fixed satellite and broadcasting-satellite service networks in the 6 GHz and 10/11/12/14 GHz frequency bands not subject to a Plan
5925-6700 MHz	03, rev.15	902	5.457A	75. Provisions relating to earth stations located on board vessels which operate in fixed- satellite service networks in the uplink bands 5 925-6 425 MHz and 14-14.5 GHz

7 300-7 375 MHz	15	5.461	76. Additional allocation: the bands 7 250-7 375 MHz (space-to- Earth) and 7 900-8 025 MHz (Earth-to space) are also allocated to the mobile-satellite service on a primary basis, subject to agreement obtained under No. 9.21.
7 375-7 450 MHz	15	5.461AA 5.461AB	77. The use of the frequency band 7 375-7 750 MHz by the maritime mobile satellite service is limited to geostationary-satellite networks.
7 450-7 550 MHz	15	5.461AA 5.461AB	78. The use of the frequency band 7 375-7 750 MHz by the maritime mobile satellite service is limited to geostationary-satellite networks.
7 550-7 750 MHz	15	5.461AA 5.461AB	79. The use of the frequency band 7 375-7 750 MHz by the maritime mobile satellite service is limited to geostationary-satellite networks.
9 200-9 300 MHz	15	5.474A 5.474B 5.474C	80. In the band 9 200-9 500 MHz, search and rescue transponders (SART) may be used, having due regard to the appropriate ITU-R Recommendation
9900-10 000 MHz	15	5.474A 5.474B 5.474C	81. The use of the frequency bands 9 200-9 300 MHz and 9 900-10 400 MHz by the Earth exploration-satellite service (active) is limited to systems requiring necessary bandwidth greater than 600 MHz that cannot be fully accommodated within the frequency band 9 300- 9 900 MHz

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10 10 1 011-	I	<u> </u>		02 Stations in the Fault
10-10.4 GHz	15		5.474D	82. Stations in the Earth exploration-
			5.479	satellite service (active) shall not
				cause harmful interference to, or
				claim protection from, stations of
				the maritime radionavigation and
				radiolocation services in the
				frequency band 9 200-9 300
				MHz, the radionavigation and
				radiolocation services in the
				frequency band 9 900-10 000
				MHz and the radiolocation
				service in the frequency band
				10.0-10.4 GHz. (WRC-15)
10.7-10.95 GHz	15		5.441	83. The use of the bands10.7-10.95
	15		5.441	GHz (space-to-Earth), 11.2-
				11.45 GHz (space-to-Earth) and
				12.75-13.25 GHz (Earth-to-
				space) by a non-geostationary-
				satellite system in the fixed-
				satellite service is subject to
				application of the provisions of
				No. 9.12 for coordination with
				other non-geostationary-satellite
				systems in the fixed-satellite
10.05.44.0.011				service.
10.95-11.2 GHz	15	155	5.484A	84. Regulatory provisions related to
			5.484B	earth stations on board
				unmanned aircraft which
				operate with geostationary-
				satellite networks in the fixed-
				satellite service in certain
				frequency bands not subject to a
				Plan of Appendices 30, 30A and
				30B for the control and non-
				payload communications of
				unmanned aircraft systems in
				non-segregated airspaces
11.2-11.45 GHz	15		5.441	85. The use of the bands 10.7-10.95
	15		3. 44 l	GHz (space-to-Earth), 11.2-

				11.45 GHz (space-to-Earth) and 12.75-13.25 GHz (Earth-to-space) by a non-geostationary-satellite system in the fixed-satellite service is subject to application of the provisions of No. 9.12 for coordination with other non-geostationary-satellite systems in the fixed-satellite service.
11.45-11.7 GHz	15	Rec.F387		86. This band is used for Fixed links (11 GHz) (10.7-11.7 GHz).
13.4-13.65 GHz	15	902		87. Standard frequency and time signal-satellite (Earth-to-space)
14-14.25 GHz	15	902		88. Provisions relating to earth stations located on board vessels which operate in fixed- satellite service networks in the uplink bands 5 925-6 425 MHz and 14-14.5 GHz
14.25-14.3 GHz	15	902		89. Provisions relating to earth stations located on board vessels which operate in fixed- satellite service networks in the uplink bands 5 925-6 425 MHz and 14-14.5 GHz
14.47-14.5 GHz	15	902		90. Provisions relating to earth stations located on board vessels which operate in fixed-satellite service networks in the uplink bands 5 925-6 425 MHz and 14-14.5 GHz
14.5-14.75 GHz	15		163,	91. Deployment of earth stations in some Regions 1 and 2 countries in the frequency band 14.5-14.75 GHz in the fixed-satellite service (Earth-to-space) not for feeder links for the broadcasting-satellite service

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15400 – 15700	07	614		92. Use of the band 15.4-15.7 GHz
13400 - 13700	07	014		by the radiolocation service
21.4-22 GHz	15	739	5.208B, 5.530A	93. Compatibility between the radio astronomy service and the active space services in certain adjacent and nearby frequency bands
22.550 – 23.150 GHz	07	753		94. Use of the band 22.55-23.15 GHz by the space research service
25.5-27 GHz	15	F.748	5.536B	95. National Polar-Orbiting Operational Environment Satellite System (NPOESS) Fixed Links (26 GHz) (24.5 – 26.5 GHz) BFWA (24.5-26.5 GHz
27.5-28.5 GHz	07	143		96. Guidelines for the implementation of high-density applications in the fixed satellite service in frequency bands identified for these applications
29.1-29.5 GHz	15	143		97. Guidelines for the implementation of high-density applications in the fixed satellite service in frequency bands identified for these applications
31-31.3 GHz	15	07	5.149	98. In making assignments to stations of other services to which the band allocated, administrations are urged to take all practicable steps to protect the radio astronomy service from harmful Interference. Emissions from space borne or airborne stations can be particularly serious sources of interference to the Radio astronomy service (see

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42.5-43.5 GHz				Nos. 4.5 and 4.6 and Article 29). (WRC-07) 99. Calculation of unwanted
72.0-70.0 OHZ	15	S.1586-1 RA.1631-0	5.551H	emission levels produced by a non-geostationary fixed satellite service system at radio astronomy sites 100. Reference radio astronomy antenna pattern to be used for compatibility analyses between non-GSO systems and radio astronomy service stations based on the epfd concept

5.3 Other Migration issues

The table below summarises other migration issues that have been highlighted.

Table 5 Summary of migration issues

Frequency Band (MHz)	Current Allocation	Proposed Allocation	Notes
380 – 400	Public Safety (SAPS, DoD etc.)	Public Safety only	Consolidate all public safety related services in this band; move other users out of the band
410 – 430	Government services, Mobile Data and Trunking	Digital Trunking only	Reserve for Digital Trunking use only; migrate mobile data, ESKOM, SAPS out of the band
440 – 450	Short range business radio/ PMR/ other links	Short Range Business Radio, PMR only	Should be cleared of all other users; Communal repeaters can be allocated in this band

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450 – 470	FIXED, MOBILE	IMT	Should be cleared of all other users
790-862	BROADCAST	IMT	Studio Links need to be migrated out to enable efficient allocation for IMT. Self Help stations need to migrate to below 692 MHz
921 – 925 paired with 876 - 880		GSM-R	Originally allocated by SABRE 1 for digital trunking – currently unused
1350 – 1375 paired with 1492 – 1517	Shared duplex band	BFWA	Could be a consideration for rural BFWA
1375 – 1400 paired with 1427 – 1452	Shared duplex band	BFWA	Could be a consideration for rural BFWA
2025 – 2110 paired with 2200 – 2285	Fixed links (DF)	BFWA	Fixed links currently underutilized
3600 – 4200	Satellite (VSAT, downlink), Terrestrial backhaul	3600 – 3800 MHz BFWA 3600 – 4200 MHz PTP and FSS	Migrate VSAT from C to Ku Band
5850 – 6425	Fixed/ Satellite uplinks	Fixed/ Satellite uplink/ Outside Broadcast links	Migrate outside-broadcast from 2300 – 2450 MHz into upper C band
40000 and above		Allocate for PTP links	For local high-speed PTP data links (up to 5 km)

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Vol. 638

August Augustus

2018

No. 41854

PART 4 OF 5

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ISSN 1682-5843

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6 Frequency Migration Plan

6.1 Progress Update to Frequency Migration Plan 2013

The Frequency Migration Plan 2018 was compiled from unresolved issues from the Migration Frequency Plan 2013. WRC 2015, SADC FAP, and revisions, NRFP 2018 and ICASA Counsel resolutions and other information included in this document. The following table deals with all bands where there is a potential frequency migration issue. The motivation for a migration is either that it is an original SABRE proposal, stems from WRC resolutions, SADC FAP or the Authority's decision. The content of the Migration Frequency Plan 2018 need to be viewed in conjunction with the NRFP 2018 published in Government Gazette Number 41650 Notice 266 of 2018. Section 4.10 contains more information on the frequency bands included in the Frequency Migration Plan.

Column 1 indicates the frequency range.

Column 2 states the existing allocation in the National Radio Frequency Plan 2013 and also any applications that are mentioned in the NRFP. As is the standard practice for frequency plans, primary allocations are in UPPER CASE, secondary allocations are in Lower Case. Applications are (within brackets).

Column 3 indicates the proposals for new allocations and utilization. The proposed allocation is indicated along with the source of the proposal (SABRE, WRC, SADC FAP, New ICASA proposals).

Column 4 contains notes on any migration issues.

This table only includes those bands where frequency migration is under consideration.

Table 6 Proposed migration plan

Frequency Band (MHz)	Existing Allocation in NRFP 2018 (Applications)	Proposed Allocation/ (Utilization)	Notes on migration/ usage
75.2 – 87.5	MOBILE except aeronautical mobile (Private and communal repeaters)	Radio Frequency Migration Plan Government Gazette Number. 36334 (Notice No. 352 & 353 of 2013) –	Radio Draft Radio Frequency Spectrum Assignment Plan Refer to: Government Gazette Number.41164 (Notice No. 781 of 2017)
138 – 143.6	MOBILE	Radio Frequency	Draft Radio Frequency

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Frequency Band (MHz)	Existing Allocation in NRFP 2018 (Applications)	Proposed Allocation/ (Utilization)	Notes on migration/ usage
	FIXED (SF alarms, SF Mobile, MTX-BTX paired links, Remote controlled industrial apparatus)	Migration Plan Government Gazette Number. 36334 (Notice No. 352 & 353 of 2013)	Spectrum Assignment Plan Refer to: Government Gazette Number.41164 (Notice No. 785 of 2017)
150.05 – 153	FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY (Alarms, telemetry, SF Mobile and paging ²⁰)	Radio Frequency Migration Plan Government Gazette Number. 36334 (Notice No. 352 & 353 of 2013)	Draft Radio Frequency Spectrum Assignment Plan Refer to: Government Gazette Number.41164 (Notice No. 786 of 2017)
156.4875 – 156.5625	MARITIME MOBILE (distress and calling via DSC) FIXED LAND MOBILE (Maritime Radionavigation and location (radar), SF mobile in inland areas)	Radio Frequency Migration Plan Government Gazette Number. 36334 (Notice No. 352 & 353 of 2013)	Draft Radio Frequency Spectrum Assignment Plan Refer to: Government Gazette Number.41350 (Notice No. 971 of 2017)
162.0375 – 174	MOBILE except aeronautical mobile (R) Mobile Satellite Services (Earth-to-	Radio Frequency Migration Plan Government Gazette Number. 36334 (Notice	Draft Radio Frequency Spectrum Assignment Plan Refer to: Feasibility Study to be

 $^{^{20}}$ Alarms, SF Mobile. In-house paging and load shedding (148.95 - 151 MHz); SF Alarms (152.05 - 152.55 MHz); Government Service Wildlife Telemetry Tracking (148 - 152 MHz); SF Mobile (152.55 - 153.05 MHz)

Frequency Band (MHz)	Existing Allocation in NRFP 2018 (Applications)	Proposed Allocation/ (Utilization)	Notes on migration/ usage
	space)	No. 352 & 353 of 2013)	performed. See section 4.10.5.
174 - 223	BROADCASTING	Radio Frequency Migration Plan Government Gazette Number. 36334 (Notice No. 352 & 353 of 2013)	Refer to Terrestrial Broadcasting Frequency Plan Government Gazette Number 36321 (Notice No. 298 of 2013)
223 – 230 & 230 - 238	BROADCASTING ()	Radio Frequency Migration Plan Government Gazette Number. 36334 (Notice No. 352 & 353 of 2013)	Refer to Terrestrial Broadcasting Frequency Plan Government Gazette Number 36321 (Notice No. 298 of 2013)
238 – 246 & 246 - 254	BROADCASTING (246 – 254) MOBILE(238 – 246)	Radio Frequency Migration Plan Government Gazette Number. 36334 (Notice No. 352 & 353 of 2013)	Refer to Terrestrial Broadcasting Frequency Plan Government Gazette Number 36321 (Notice No. 298 of 2013) See Terrestrial Broadcasting Frequency Plan 2013 Government Gazette Number. 36321 (Notice 298 of 2013)
335.4 - 387	FIXED MOBILE	Radio Frequency Migration Plan Government Gazette Number. 36334 (Notice No. 352 & 353 of 2013)	Migrate existing fixed links to above 3 GHz as per SADC proposed common sub-allocation/utilization

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Frequency Band (MHz)	Existing Allocation in NRFP 2018 (Applications)	Proposed Allocation/ (Utilization)	Notes on migration/ usage
		335.4-336 MHz/ 346.0-356.0 MHz/ 366.0-380.0 MHz PMR and/or PAMR 336-346 MHz paired with 356-366 MHz Fixed Wireless Access/ PTP/PTMP rural system (as per SADC FAP proposed common sub- allocation/ utilization)	(refer to 4.10.9) There are 1362 Licenses issued in this band. Feasibility study on the use of this band need to be done.
335-387 & 387 – 390 & 390 – 399.9	MOBILE (380 – 400 MHz) (Public safety, SAPS, DOD, Army etc.)	Radio Frequency Migration Plan Government Gazette Number. 36334 (Notice No. 352 & 353 of 2013)	Radio Frequency Spectrum Assignment Plan Government Gazette 41512 (Notice 148 of 2018)
403 - 406	FIXED Mobile except aeronautical mobile	METEOROLOGICAL AIDS Mobile except aeronautical mobile	Develop Radio Frequency Spectrum Assignment Plan
406 - 410	FIXED Mobile except aeronautical mobile	Mobile MTX (407.625 – 410 MHz). Government Use for Public Safety	Develop Radio Frequency Spectrum Assignment Plan
410 - 420	FIXED Mobile except aeronautical mobile	Mobile MTX (410 – 413 MHz). Government Use for Public Safety	Develop Radio Frequency Spectrum Assignment Plan. Band reserved for Public Digital Trunking (New ICASA proposal) Migrate government

Frequency Band (MHz)	Existing Allocation in NRFP 2018 (Applications)	Proposed Allocation/ (Utilization)	Notes on migration/ usage
			services (especially SAPS) to public safety band 380 – 400 MHz, Mobile Data - Migrate Mobile Data users out of this band (refer to section 4.10.11
420 – 430	Mobile except aeronautical mobile (Government services, Mobile Data and public trunking)	PMR and/ or PPDR (SADC FAP proposed common sub-allocation/ utilization) Public digital trunking only (New ICASA proposal)	Develop Radio Frequency Spectrum Assignment Plan. Band reserved for Public Digital Trunking (New ICASA proposal) Migrate government services (especially SAPS) to public safety band 380 – 400 MHz, Mobile Data - Migrate Mobile Data users out of this band (refer to section 4.10.11)
440 – 450	FIXED Mobile except aeronautical mobile (Short range business radio and PMR)	Short range business radio and PMR (New ICASA proposal) Channels 440 to 440.1 and 445 to 445.1 are used for simplex. Other allocations stay as-is.	Refer to Radio Frequency Migration Plan Government Gazette Number 36334 (Notice no. 352 of 2013)
450 – 455 & 455 – 456 & 456 – 459 &	FIXED MOBILE	Radio Frequency Migration Plan	Radio Frequency Spectrum Assignment

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Frequency Band (MHz)	Existing Allocation in NRFP 2018 (Applications)	Proposed Allocation/ (Utilization)	Notes on migration/ usage
459 – 460 & 460 - 470	(Trunked Mobile Railways, Mines etc.)	Government Gazette Number. 36334 (Notice No. 352 & 353 of 2013)	Plan Government Gazette 38640 (Notice 270 of 2015)
694 – 790	BROADCASTING RADIO ASTRONOMY	IMT (Terrestrial) (WRC-12)	Digital Dividend 2; DTT bands between 694 – 790 MHz Planned migration of television out of this band started in 2016 Refer to 1) Radio Frequency Migration Plan Government Gazette Number 36334 (Notice no. 352 of 2013) 2) Radio Frequency Spectrum Assignment Plan Government Gazette Number 38640 (Notice No. 271 & 272 of 2015), 3) Terrestrial Broadcasting Frequency Plan 2013 Government Gazette Number. 36321 (Notice 298 of 2013) and Government Gazette Number 38005 (Notice No. 801 of 2014)

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Frequency Band (MHz)	Existing Allocation in NRFP 2018 (Applications)	Proposed Allocation/ (Utilization)	Notes on migration/ usage
790 – 862	BROADCASTING MOBILE except aeronautical mobile (TV Broadcast including fixed links (Secondary transmitter links))	IMT (Terrestrial) (WRC-07).	Digital Dividend 1; DTT bands between 790 – 862 MHz Planned migration of television out of this band started in 2016 Refer to 1) Radio Frequency Migration Plan Government Gazette Number 36334 (Notice no. 352 of 2013) 2) Radio Frequency Spectrum Assignment Plan Government Gazette Number 38640 (Notice No. 273 & 274 of 2015), 3) Refer Second draft Radio Frequency Assignment Plan for the frequency band 825 to 830 MHz and 870 to 875 MHz for public consultation GG 41082 of 2017 (Notice No. 648 of 2017) 4) Terrestrial Broadcasting Frequency Plan 2013 Government Gazette Number. 36321 (Notice 298 of 2013) and

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Frequency Band (MHz)	Existing Allocation in NRFP 2018 (Applications)	Proposed Allocation/ (Utilization)	Notes on migration/ usage
			Government Gazette Number 38005 (Notice No. 801 of 2014)
862 – 890	FIXED MOBILE except aeronautical mobile (Wireless audio (863- 865 MHz), Fixed links (868.1–876 MHz), RFID (865 – 868 MHz), RFID (869.4-869.65 MHz) Alarms (868.6 – 868.7 MHz, 860.25 – 869.3 MHz, 869.65 – 869.7 MHz) Wireless Access Services (824-849 MHz paired with 869-894 MHz) Mobile (880-890 MHz paired with 925- 935 MHz))	Mobile (IMT) (as per SADC FAP proposed common sub- allocation/ utilization)	Migrate to IMT as per SADC FAP proposed common sub-allocation/ utilization to facilitate development of harmonized channelling arrangement. Refer to: 1) Radio Frequency Migration Plan Government Gazette Number 36334 (Notice no. 352 of 2013) 2) Radio Frequency Spectrum Assignment Plan Government Gazette Number 38640 (Notice No. 273 & 274 of 2015), 3) Second draft Radio Frequency Assignment Plan for the frequency band 825 to 830 MHz and 870 to 875 MHz for public consultation GG 41082 of 2017 (Notice No. 648 of 2017)
890 – 942	MOBILE except	Allocate 921 – 925 MHz	Refer to:

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Frequency Band (MHz)	Existing Allocation in NRFP 2018 (Applications)	Proposed Allocation/ (Utilization)	Notes on migration/ usage
	aeronautical mobile (Mobile (890-915 MHz paired with 925-935 MHz) Several RFID systems (915.1 – 921 MHz), (GSM900 band)	for GSM-R All other allocations maintained as-is	1) Radio Frequency Migration Plan Government Gazette Number 36334 (Notice no. 352 of 2013) 2) Radio Frequency Spectrum Assignment Plan Government Gazette Number 38640 (Notice No. 275 of 2015),
942 – 960	MOBILE except aeronautical mobile (GSM 900)		Refer to: 1) Radio Frequency Migration Plan Government Gazette Number 36334 (Notice no. 352 of 2013) 2) Radio Frequency Spectrum Assignment Plan Government Gazette Number 38640 (Notice No. 275 of 2015),
1350 – 1375 paired with 1492 – 1517 and 1375 – 1400 MHz paired with 1427 – 1452	FIXED (Fixed low capacity PTP DF links)	Rural BFWA (New ICASA proposal)	Allocate to rural BFWA; maintain existing links where required Radio Frequency Spectrum Assignment Plan to be developed in line with the studies

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Frequency Band (MHz)	Existing Allocation in NRFP 2018 (Applications)	Proposed Allocation/ (Utilization)	Notes on migration/ usage
			within ITU-R WP 5D in respect of L-Band. (refer to 4.10.19) Refer to: Radio Frequency Migration Plan Government Gazette Number 36334 (Notice
1429 – 1452 MHz		Fixed links (duplex	no. 352 of 2013) Paired with 1 375 – 1
FIXED	FIXED	Tixou mine (duplex	400 MHz) In accordance with Recommendation ITU-
MOBILE except aeronautical mobile 5.341A	MOBILE except aeronautical mobile 5.341A		R F.1242 See above Refer to: Radio Frequency Migration Plan Government Gazette Number 36334 (Notice no. 352 of 2013)
5.338A 5.341 5.342	5.338A 5.341		
1 452-1 492 MHz FIXED MOBILE except aeronautical mobile 5.346	FIXED NF14 MOBILE except aeronautical mobile 5.346 BROADCASTING	FWBA/ PTP/ PMP/ LMR (New ICASA proposal)	Feasibility studies to be performed. Resolution 761 (WRC-15) on the "Compatibility of International Mobile Telecommunications and broadcastions-

Frequency Band (MHz)	Existing Allocation in NRFP 2018 (Applications)	Proposed Allocation/ (Utilization)	Notes on migration/ usage
BROADCASTING-SATELLITE 5.208B	BROADCASTING- SATELLITE 5.208B		satellite service and performé appropriate regulatory and technical studies, with a view of ensuring the compatibility of IMT and BSS (sound) are undertaken within the ITU-R Res. 223 (Rev.WRC-15) Refer to: Radio Frequency Migration Plan Government Gazette Number 36334 (Notice no. 352 of 2013)
1518 – 1525	FIXED MOBILE-SATELLITE (space-to-earth)	Band is currently not occupied; potential application for LMR repeaters	Refer to: 1) Radio Frequency Spectrum Assignment Plan Government Gazette 41164 (Notice 784 of 2017) 2) Radio Frequency Migration Plan Government Gazette Number 36334 (Notice no. 352 of 2013)
1525 — 1530 & 1530 — 1535 & 1535 - 1559	(1525 – 1530 MHz) SPACE OPERATION (space-to-earth)	Potential application for LMR repeaters (New ICASA proposal)	Feasibility studies to be performed. Migrate in fixed links for LMR repeaters, band could

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Frequency Band (MHz)	Existing Allocation in NRFP 2018 (Applications)	Proposed Allocation/ (Utilization)	Notes on migration/ usage
	FIXED MOBILE-SATELLITE (space-to-earth) Earth exploration satellite Mobile except aeronautical mobile (Mobile satellite services)		also be used for outside-broadcasting links currently operating in 2300 – 2450 MHz (New ICASA proposal) (refer to 4.10.22). Radio Frequency Migration Plan Government Gazette Number 36334 (Notice no. 352 of 2013)
	(1530 – 1535 MHz) SPACE OPERATION (space-to-earth) MOBILE-SATELLITE (space-to-earth) Earth exploration satellite Mobile except aeronautical mobile Fixed (Mobile satellite services)	Radio Frequency Migration Plan Government Gazette Number 36334 (Notice no. 352 of 2013)	No migration planned (refer to 4.10.22)
	(1535 – 1559 MHz) MOBILE-SATELLITE (space-to-earth)	Radio Frequency Migration Plan Government Gazette Number 36334 (Notice no. 352 of 2013)	No migration planned (refer to 4.10.22)
1668.1 – 1668.4 & 1668.4 – 1670 & 1670 - 1675	(1668.1 – 1668.4 MHz) MOBILE SATELLITE (earth-to-space)	(refer to 4.10.23)	Feasibility studies to be performed. Propose to align allocation with ITU Region 1 (New ICASA

Frequency Band (MHz)	Existing Allocation in NRFP 2018 (Applications)	Proposed Allocation/ (Utilization)	Notes on migration/ usage
	RADIO ASTRONOMY SPACE RESEARCH (passive)		proposal) (refer to 4.10.23)
	(1668.4 – 1670 MHz) METEOROLOGICAL AIDS MOBILE SATELLITE (earth-to-space) RADIO ASTRONOMY	(refer to 4.10.23)	Feasibility studies to be performed. Propose to align allocation with ITU Region 1 (New ICASA proposal) (refer to 4.10.23)
	(1670 – 1675 MHz) METEOROLOGICAL AIDS MOBILE MOBILE SATELLITE (earth-to-space)	(refer to 4.10.23)	Feasibility studies to be performed. Propose to align allocation with ITU Region 1 (New ICASA proposal) (refer to 4.10.23)
1710 – 1785 paired with 1805- 1880	FIXED MOBILE (GSM1800 band)		Feasibility studies to be performed. Spectrum re-farming when deemed required may be carried out based upon defined process (refer to 4.12)
1880 – 1900 (NRFP 2013)	FIXED MOBILE (Cordless DECT phone)	FWA (SADC FAP proposed common sub-allocation/utilization)	Feasibility studies to be performed. Currently under use by Telkom in a WLL configuration. Can be allocated for FWA (refer to 4.10.24)
1920 - 1980 paired with 2110 -	FIXED		Feasibility studies to be performed. Spectrum

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Frequency Band (MHz)	Existing Allocation in NRFP 2018 (Applications)	Proposed Allocation/ (Utilization)	Notes on migration/ usage
2170 (NRFP 2013)	MOBILE (Current 3G band)		re-farming when deemed required may be carried out based upon defined process (refer to 4.12)
1970 - 2200 (1980 – 2010 paired with 2170- 2200 NRFP 2013)	FIXED MOBILE-SATELLITE (Earth-to-space) (Fixed Links (DF), IMT (Satellite))	Fixed Links (DF), BFWA (New ICASA Proposal)	Feasibility studies to be performed. Migrate in Fixed links (DF) from other bands; consider for BFWA (New ICASA proposal) (refer to 4.10.25)
2200 - 2290 (2025 – 2110 paired with 2200 – 2285 NRFP 2013)	SPACE OPERATION (space to Earth) (space to space) FIXED MOBILE (Fixed links)	Fixed Links (DF) BFWA	Refer to: 1) Radio Frequency Migration Plan Government Gazette Number 36334 (Notice no. 352 of 2013) 2) Radio Frequency Spectrum Assignment Plan Government Gazette 41164 (Notice 782 of 2017)
1970 - 2200 (2110 – 2170 NRFP 2013)	FIXED MOBILE (Current 3G band)		Feasibility studies to be performed. Spectrum re-farming when deemed required may be carried out based upon defined process (refer to 4.12)
2290 – 2300	FIXED MOBILE except aeronautical mobile	BFWA (as per SADC FAP proposed common sub-allocation/	Refer to: Radio Frequency Migration Plan

Frequency Band (MHz)	Existing Allocation in NRFP 2018 (Applications)	Proposed Allocation/ (Utilization)	Notes on migration/ usage
	SPACE RESEARCH (deep space) (space to Earth)	utilization)	Government Gazette Number 36334 (Notice no. 352 of 2013) Radio Frequency Spectrum Assignment Plan Government Gazette 41164 (Notice 783 of 2017)
2300 – 2450	FIXED MOBILE Amateur (Fixed links (2307 – 2387 MHz) paired with (2401 – 2481 MHz) Several outside broadcasting links ISM band (2400 – 2483.5 MHz))	IMT (Terrestrial) 2300 – 2400 MHz as per SADC FAP proposed common sub-allocation/ utilization	Refer to: 1) Radio Frequency Migration Plan Government Gazette Number 36334 (Notice no. 352 of 2013) 2) Radio Frequency Spectrum Assignment Plan Government Gazette Number 38640 (Notice No. 276 of 2015), IMT 2300
2500 - 2520 & 2520 - 2655 & 2655 - 2670 & 2670 - 2690	2500-2520 MHz MOBILE except aeronautical mobile 2520-2655 MHz MOBILE except aeronautical mobile Radio astronomy 2655-2690 MHz MOBILE except aeronautical mobile	BFWA Mobile IMT	Refer to: 1) Radio Frequency Migration Plan Government Gazette Number 36334 (Notice no. 352 of 2013) 2) Radio Frequency Spectrum Assignment Plan Government Gazette Number 38640 (Notice No. 277 of 2015), IMT 2600

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Frequency Band (MHz)	Existing Allocation in NRFP 2018 (Applications)	Proposed Allocation/ (Utilization)	Notes on migration/ usage
	Radio astronomy		
3 300-3 400 MHz	3 300-3 400 MHz	Government Services	Feasibility Study to be undertaken considering the outcome of the sharing and
		IMT Res. 223 (Rev.WRC-15)	compatibility studies called for by Resolution 223 (WRC-15) currently underway within the ITU-R, There might be
5.149 5.429 5.429A 5.429B 5.430	5.149 5.429A 5.429B		a need to migrate Radars out of this band. This will be addressed through an update of the migration plan.
3400 – 3600	MOBILE	BFWA Mobile IMT	Refer to: 1) Radio Frequency Migration Plan Government Gazette Number 36334 (Notice no. 352 of 2013) 2) Radio Frequency Spectrum Assignment Plan Government Gazette Number 38640 (Notice No. 278 of 2015), IMT 3500
3600 – 4200	FIXED FIXED-SATELLITE (space-to-Earth) (Satellite (VSAT,	(3600-4200 MHz) Fixed services (PTP) (3600-4200 MHz) Fixed-satellite (space- to-Earth)	Feasibility study to be performed. Migrate VSAT to Ku band, and use 3600 - 3800 for BFWA as per SADC

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Frequency Band (MHz)	Existing Allocation in NRFP 2018 (Applications)	Proposed Allocation/ (Utilization)	Notes on migration/ usage
	downlink), Terrestrial backhaul)	(PTP/VSAT/SNG) (3600-3800 MHz) Broadband Fixed Wireless Access (BFWA) as per SADC FAP proposed common sub- allocation/ utilization	FAP proposed common sub-allocation/ utilization (refer to 4.10.31)
5150 - 5250 & 5259 - 5255 & 5255 - 5350	(5150 – 5250 MHz) AERONAUTICAL RADIONAVIGATION FIXED-SATELLITE- SERVICE (Earth-to- space) MOBILE except aeronautical mobile (Wireless Access (short range))	Wireless Access Systems / RLAN As per SADC FAP proposed common sub- allocation/ utilization	Feasibility study to be performed. License exempt; Wireless Access Systems / Radio Local Access Network (WAS & RLAN) indoor use only. as per Notice 184 of 2011 Government Gazette 34172 (previously Notice
	(5250 – 5255 MHz) SPACE RESEARCH MOBILE except aeronautical mobile		number 944 of 2008 in Government Gazette 31321)
	(5255 – 5350 MHz) EARTH EXPLORATION SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active) MOBILE except		

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Frequency Band (MHz)	Existing Allocation in NRFP 2018 (Applications)	Proposed Allocation/ (Utilization)	Notes on migration/ usage
(MHz) 5470 - 5570 & 5570 - 5650 & 5650 - 5725	aeronautical mobile (5470 – 5570 MHz) MARITME RADIONAVIGATION MOBILE except aeronautical mobile EARTH EXPLORATION SATELLITE (active) SPACE RESEARCH (active) RADIOLOCATION	(Utilization) Wireless Access Systems / RLAN As per SADC FAP proposed common sub- allocation/ utilization	Feasibility study to be performed. No migration planned; as per as per Notice 184 of 2011 Government Gazette 34172 (previously Notice number 944 of 2008 in Government Gazette 31321) (refer to 4.10.32)
	(Maritime radionavigation (radar) and Wireless Access (short range)) (5570 – 5650 MHz) MARITME RADIONAVIGATION MOBILE except aeronautical mobile RADIOLOCATION (5650 – 5725 MHz) RADIOLOCATION MOBILE except aeronautical mobile Amateur Space Research (deep space)		

Frequency Band (MHz)	Existing Allocation in NRFP 2018 (Applications)	Proposed Allocation/ (Utilization)	Notes on migration/ usage
5725 – 5830	FIXED-SATELLITE (Earth-to-space) RADIOLOCATION Amateur Fixed (ISM, Amateur, SRD)		Feasibility study to be performed. No migration for South Africa; maintain for ISM as per Notice 184 of 2011 Government Gazette 34172 (previously Notice number 926 of 2008 in Government Gazette 31290).
5850 -5925	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE (Upper C-band (VSAT, Satellite PTP links), ISM (5725 – 5875 MHz))	(5850-6425 MHz) Fixed-satellite uplinks (PTP/VSAT/SNG)/ temporary Outside broadcast links (5850-5925 MHz) FIXED links (5725-5875 MHz) ISM as per SADC FAP proposed common sub- allocation/ utilization	Feasibility study to be performed. (refer to 4.10.34)
5925 - 6700 10700 - 10950 &	FIXED FIXED-SATELLITE (Earth-to-space) (Fixed links/ VSAT, FSS, SNG feeder links)	5925 – 6425 MHz Fixed links 6425 – 7110 MHz Fixed links as per SADC FAP proposed common suballocation/ utilization as-is	Feasibility study to be performed. (refer to 4.10.35)
10700 - 10950 &	FIXED-SATELLITE	as-IS	Feasibility study to be performed.

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Frequency Band (MHz)	Existing Allocation in NRFP 2018 (Applications)	Proposed Allocation/ (Utilization)	Notes on migration/ usage
11200 – 11450 & 11450 - 11700	(space-to-earth)/(earth-to-space) MOBILE except aeronautical mobile (Ku-band satellite)		Migrate VSAT links into this band as per SADC FAP proposed common suballocation/ utilization Other allocation remains as-is (refer to 4.10.36)
12290, 16420		Reserved for safety related calling as per WRC-03 Res. 352	No Migration
15400 - 15430 & 15430 - 15630 & 15630 - 15700	RADIOLOCATION AERONAUTICAL RADIONAVIGATION	Radio location service as per WRC-07 Res. 614	No Migration
40000 – above		Allocate for high capacity PTP links	Feasibility studies to be performed. (refer to 4.10.37) Refer to: Radio Frequency Migration Plan Government Gazette Number 36334 (Notice no. 352 of 2013)

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Interesting parties are welcome to recommend additional frequency band especially resolutions from WRC - 15 which need to be added to this Draft Frequency Migration Plan as included in section 5.2 of this document.

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Appendix A Glossary

Act	means the Electronic Communications Act, 2005 (Act No. 36 of 2005);
Authority	means ICASA is the Independent Communications Authority of South
	Africa;
3G	means 3G or 3rd generation mobile telecommunications is a
	generation of standards for mobile phones and mobile
	telecommunication services fulfilling the International Mobile
	Telecommunications-2000 (IMT-2000) specifications by the ITU
Amateur	means a person who is interested in the radio technique solely for a
	private reason and not for financial gain and to whom the Authority
	has granted an amateur radio station licence and shall mean a natural
	person and shall not include a juristic person or an association:
	provided that an amateur radio station licence may be issued to a
	licensed radio amateur acting on behalf of a duly founded amateur
	radio association;
Assignment	means the authorization given by the authority to use a radio
	frequency or radio frequency channel under specified conditions;
Base station	means a land radio station in the land mobile service for a service
	with land mobile stations;
BS	means Broadcast Service
втх	means Base Transceiver;
Burglar alarm	means a land mobile service installed, maintained and operated to
service	monitor burglar alarm signals of clients by means of a signal
	forwarded from a radio transmitter to a central position;
Burglar alarm	means a transmission radio station in the land mobile service that is
transmitter	intended to transmit automatic alarm signals to a central position;
CDMA	means Code Division Multiplex Access
CEPT	means Conference of European Posts and Telecommunications
	Authorities;
Citizen-band	means a private, two-way, limited coverage speech communication
radio service	service in the land mobile service to personal and business
	operations, which may also be used as a paging system;
Communal radio	means a land mobile service installed, maintained and operated via

repeater station	repeater stations that are available for communal use;
service	
Cordless Phone	means a portable telephone with a wireless handset that
	communicates via radio waves with a base station connected to a
	fixed telephone line, within a limited range of its base station;
DAB	means Digital Audio Broadcasting is a digital radio technology for
	broadcasting radio stations
DECT	means Digital Enhanced Cordless Telecommunications is a digital
	communication standard, which is primarily used for creating cordless
	phone systems
DECT-	means Digitally Enhanced Cordless Telephone 1880 - 1900MHz;
DF	means Dual Frequency
DTT	means Digital Terrestrial Television
DTT Mobile	means Digital Terrestrial Television for Mobile services
e.i.r.p	means effective isotopically radiated power;
e.r.p	means effective radiated power, is the product of the power supplied
	to an antenna and its gain relative to a half wave dipole in a given
	direction;
EBU	means European Broadcasting Union
ECA	means Electronic Communications ACT of South Africa
ECNS	means Electronic Communications Network Services;
ECS	means Electronic Communications Services;
EDGE	means Enhanced Data rates for GSM Evolution is a digital mobile
	phone technology that allows improved data transmission rates as a
	backward-compatible extension of GSM
ЕМС	means Electromagnetic Compatibility;
ETSI	means European Telecommunications Standards Institute
FDMA	means Frequency Division Multiple Access
FLEX	means paging software originally developed for Motorola;
FMP	means Frequency Migration Plan
FPLMTS	means Future Public Land Mobile Telecommunications System also
	called IMT-2000
FTBFP 2008	means Final Terrestrial Broadcast Frequency Plan of 2008
FWBA	Fixed Wireless Broadband Access
GHz	means Gigahertz of Radio Frequency Spectrum;

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GE06	means Digital Broadcast Conference held in Geneva, Switzerland in
	2006.
GMDSS	means the Global Maritime Distress and Safety System is an
	internationally agreed-upon set of safety procedures, types of
	equipment, and communication protocols used to increase safety and
	make it easier to rescue distressed ships, boats and aircraft.
GSM	means Global System for Mobile Communications,(originally Groupe
	Spécial Mobile), is a standard set developed by the European
	Telecommunications Standards Institute (ETSI) to describe
	technologies for second generation (2G) digital cellular networks
GSM-R	means GSM for Railways
HF	means High Frequency;
IMT	International Mobile Telecommunications
IMT	means International Mobile Telecommunications
Inductive Loop	means radio apparatus which operates by producing a controlled
Systems	magnetic field within which a predetermined recognisable signal is
_	formed;
INMARSAT	means International Maritime Satellite
ISM	means Industrial, Scientific and Medical;
ITU	means International Telecommunications Union
ITU RR	means International Telecommunications Union Radio Regulations
KHz	means Kilohertz of Radio Frequency Spectrum;
Land mobile	means a mobile radio-communication service between fixed stations
service	and mobile land stations, or between land mobile stations;
LEO	means Low Earth Orbit satellites
LMR	means Land Mobile Radio
Low Power	means radio apparatus, normally hand-held radios used for short
Radio	range two-way voice communications;
LTE	means Long Term Evolution is a standard for wireless communication
	of high-speed data for mobile phones and data terminals. It is based
	on the GSM/EDGE and UMTS/HSPA network technologies
M2M	means Machine to Machine
MFN	means Multiple Frequency Networks
MHz	means Megahertz of Radio Frequency Spectrum;
МІМО	means Multiple-Input and Multiple-Output is the use of multiple

	antennas at both the transmitter and receiver to improve
	communication performance
Mobile station	means a radio station that is intended to be operated while it is in
	motion or while it is stationary at an unspecified place;
Model Control	means radio apparatus used to control the movement of the model in
apparatus	the air, on land or over or under the water surface;
MTX	means Mobile Transceiver;
Non-specific	means radio apparatus used for general telemetry, telecommand,
Short Range	alarms and data applications with a present duty cycle (0.1%: S duty
Devices	cycle< 100%);
NRFP	means the National Radio Frequency Plan 2010 for South Africa
PAMR	means Public Access Mobile Radio
PMR	means Private Mobile Radio or Professional Mobile Radio
PMR	means Public Mobile Radio is radio apparatus used for short range
	two-way voice communications;
PPDR	
PTM	means Point to Multipoint
PTP	means Point to Point
Radio trunking	means a technique by means of which free channels out of a group of
	radio frequency channels allocated to a base station are automatically
	made available for the establishment of a connection between the
	stations of a user;
Radio-beacon	means a radio station whose radiation is intended to enable a mobile
station	station to fix its position or obtain its bearing with regard to the radio
	beacon;
Radio-	means all electronic communication by means of radio waves;
communication	
Relay or	means a land station in the land mobile service;
repeater station	
RFID	means Radio Frequency identification is a wireless system that uses
	radio frequency communication to automatically identify, track and
	manage objects, people or animals. It consist of two main
	components viz, tag and a reader which are tuned to the same
	frequency;
RLAN	means Radio Local Access Network is the high data rate two way

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	(duplex) wireless data communications network;
SABRE	means South African Band Re-planning Exercise
SADC	means Southern African Development Community
	·
SADC FAP	means Southern African Development Community Frequency
	Allocation Plan 2010
SAPS	means South African Police Service
SATFA	means South African Table of Frequency Allocations 2004
Self Helps	means repeater stations rebroadcasting television channels to limited
	areas on a low power basis
Service licence	means a BS, ECS or ECNS licence;
SF	means Single Frequency
SFN	means Single Frequency Network
Ship station	means a mobile station in the maritime mobile service that has been
	erected
SNG	means Satellite News Gathering
Spread	means a form of wireless communications in which the frequency of
spectrum	the transmitted signal is deliberately varied, resulting in a much
	greater bandwidth than the signal would have if its frequency were not
	varied;
SRD	means Short Range Device is a piece of apparatus which includes a
	transmitter, and/or a receiver and or parts thereof, used in alarm,
	telecommand telemetry applications, etc., operating with analogue
	speech/music or data (analogue and/or digital) or with combined
	analogue speech/music and data, using any modulation type intended
	to operate over short distances;
Studio Links	means point to point links in the broadcasting frequency bands used
	to connect studios to transmitters
STB	means Set Top Box for DVB-T2 reception
T-DAB	means Terrestrial Digital Audio Broadcasting
TDMA	means Time Division Multiple Access
Telemetry	means the transmission of remotely measured data;
TETRA	means Terrestrial Trunked Radio is a professional mobile radio [2]
	and two-way transceiver specification. TETRA was specifically
	designed for use by government agencies, emergency services,
	(police forces, fire departments, ambulance) for public safety
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	networks, rail transportation staff for train radios, transport services
	and the military. TETRA is an ETSI standard.
TPC	means Transmitter Power Control is a technical mechanism used
	within some networking devices in order to prevent unwanted
	interference between wireless networks;
UHF	means Ultra High Frequency;
UMTS	means Universal Mobile Telecommunications System is a third
	generation mobile cellular technology for networks based on the GSM
	standard
VHF	means Very High Frequency;
Video	means radio apparatus used for security camera purposes to replace
Surveillance	the cable between a camera and a monitor;
Equipment	
VSAT	means Very Small Aperture Terminal is a two-way satellite ground
	station that is smaller than 3 meters' diameter
WAS	means Wireless Access Systems is end-user radio connections to
	public or private core networks;
Wideband	means radio apparatus that uses spread spectrum techniques and
Wireless	has high bit rate;
Systems	
WRC 2007	means World Radio Conference 2007 held in Geneva
WRC 2012	means World Radio Conference 2012 held in Geneva

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Appendix B ECA – Article 34

Radio frequency plan

34.

- (1) The Minister, in the exercise of his or her functions, represents the Republic in international fora, including the ITU, in respect of—
 - (a) the international allotment of radio frequency spectrum; and
 - (b) the international coordination of radio frequency spectrum usage, in accordance with international treaties, multinational and bilateral agreements entered into by the Republic.
- (2) The Minister must approve the national radio frequency plan developed by the Authority, which must set out the specific frequency bands designated for use by particular types of services, taking into account the radio frequency spectrum bands allocated to the security services.
- (3) The Authority must assign radio frequencies consistent with the national radio frequency plan for the use of radio frequency spectrum by licence holders and other services that may be provided pursuant to a licence exemption.
- (4) The Authority must, within 12 months of the coming into force of this Act, prepare the national radio frequency plan or make appropriate modification to any existing radio frequency plan to bring it into conformity with this Act.
- (5) The national radio frequency plan must be updated and amended when necessary in order to keep the plan current. When updating and amending this plan due regard must be given to the current and future usage of the radio frequency spectrum.
- (6) The national radio frequency plan must—
 - (a) designate the radio frequency bands to be used for particular types of services;
 - (b) ensure that the radio frequency spectrum is utilised and managed in an orderly, efficient and effective manner;
 - (c) aim at reducing congestion in the use of the radio frequency spectrum;
 - (d) aim at protecting radio frequency spectrum licensees from harmful interference;

- (e) provide for flexibility and the rapid and efficient introduction of new technologies;
- (f) aim at providing opportunities for the introduction of the widest range of services and the maximum number of users thereof as is practically feasible.
- (7) In preparing the national radio frequency plan as contemplated in subsection (4), the Authority must—
 - (a) take into account the ITU's international spectrum allotments for radio frequency spectrum use, in so far as ITU allocations have been adopted or agreed upon by the Republic, and give due regard to the reports of experts in the field of spectrum or radio frequency planning and to internationally accepted methods for preparing such plans;
 - (b) take into account existing uses of the radio frequency spectrum and any radio frequency band plans in existence or in the course of preparation; and
 - (c) consult with the Minister to-
 - (i) incorporate the radio frequency spectrum allocated by the Minister for the exclusive use of the security services into the national radio frequency plan;
 - (ii) take account of the government's current and planned uses of the radio frequency spectrum, including but not limited to, civil aviation, aeronautical services and scientific research; and
 - (iii) co-ordinate a plan for migration of existing users, as applicable, to make available radio frequency spectrum to satisfy the requirements of subsection (2) and the objects of this Act and of the related legislation.
- (8) The Authority must give notice of its intention to prepare a national radio frequency plan in the Gazette and in such notice invite interested parties to submit their written representations to the Authority within such period as may be specified in such notice.
- (9) The Authority may, after the period referred to in subsection (8) has passed, hold a hearing in respect of the proposed national radio frequency plan.
- (10) After the hearing, if any, and after due consideration of any written representations received in response to the notice mentioned in subsection (8) or tendered at the hearing, the Authority must forward the national radio frequency plan to the Minister for approval.

- (11) The Minister must, within 30 days of receipt of the national radio frequency plan, either approve the plan, at which time the plan must become effective, or notify the Authority that further consultation is required.
- (12) Upon approval of the national radio frequency plan by the Minister, the Authority must publish the plan in the Gazette.
- (13) Any radio frequency plan approved in terms of this section and all the comments, representations and other documents received in response to the notice contemplated in subsection (8) or tendered at the hearing must be—
 - (a) kept at the offices of the Authority; and
 - (b) open for public inspection by interested persons during the normal office hours of the Authority.
- (14) The Authority must, at the request of any person and on payment of such fee as may be prescribed, furnish him or her with a copy of the radio frequency plan.
- (15) The provisions of subsections (6) to (14) apply, with the necessary changes, in relation to any amendment made by the Authority to the radio frequency plan.
- (16) The Authority may, where the national radio frequency plan identifies radio frequency spectrum that is occupied and requires the migration of the users of such radio frequency spectrum to other radio frequency bands, migrate the users to such other radio frequency bands in accordance with the national radio frequency plan, except where such migration involves governmental entities or organisations, in which case the Authority—
 - (a) must refer the matter to the Minister; and
 - (b) may migrate the users after consultation with the Minister

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Appendix C SABRE 2 – 2001

SABRE 2²¹ was a programme to re-plan the radio frequency spectrum from 3GHz to 70 MHz, partly driven by the need to in-migrate fixed-links from below 3Gz.

SABRE 2 made the following comment on migration issues above 3 GHz.

Above 3 GHz the cost of backbone infrastructure equipment is borne by one or a few organisations. Band reallocation and spectrum use migration activities have to carefully consider industry's return on investment over pre-planned equipment life cycles. Ideally any additionally identified SABRE 2 band migrations will be voluntary and will occur within the constraints of the infrastructure life cycle.

......A number of bands were identified during the SABRE 2 project that requires consideration due to anticipated future congestion and reallocation. Three types of migration are recommended; band, equipment, and channels. These migrations are viewed as voluntary because they are expected to occur as part of the natural system life cycle.

Band	Migration Objective	Target Date
3600-4200 MHz	Analogue to digital terrestrial systems	31 December 2005
5925-6425 MHz	Analogue to digital systems	31 December 2005
6425-7110 MHz		
7110-7425 MHz	Analogue to digital systems	31 December 2005
7425-7750 MHz		
7110-7425 MHz	Digital systems to channel plan	Not specified
7425 - 7750 MHz		
10.7- 11.7 GHz	Analogue to digital systems	31 December 2005
21.4 22 GHz	FS reverts to secondary service 22-22.6 GHz	1 April 2007
	// 23.0 23.6 GHz,	
	26 GHz and 38 GHz bands also available	

 $^{^{21}}$ Radio frequency spectrum band plan covering the range 3 GHz to 70 GHz – (SABRE-2) Notice 1920 of 2001

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Operators are expected to identify all migration links, plan their migration, and coordinate their schedule with ICASA. at least three years before the deadline. The 2 1.4 - 22.0 GHz band will revert from Fixed, Mobile and Broadcasting Satellite Services to the Broadcast Satellite Service application in the year 2007. Currently, there is a limited set of licences in the band according to ICASA records. Operators intending to maintain FS links in the 21.4-22 GHz band will be accommodated with no protection after 1 April 2007. Another migration issue is the "opening of the 38 GHz band." Prior to making assignments in this portion of the spectrum, it is recommended that a migration of 20-24 GHz FS assignments be established. The primary criteria for migration would be link distance associated with specific frequency assignments, once the band is released to the public.

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Appendix D SATFA - 2004

The South African Table of Frequency Allocations 2004²² consolidated SABRE 1 and SABRE 2 in one plan covering the range 20MHz to 70 GHz.

Regarding migration, the following points were made:

The migration process has had its successes and failures. Some migration time-frames have been revised whilst others are maintained at their original deadlines. One can mention that the 2008 deadline for current public trunking operators has been reviewed at the request of the public trunking operators. The use of the band 406.1 - 407.625 // 416.1 - 417.625 MHz by the national electricity utility has been re-instated.

The changes implemented in SATFA 2004 were listed as:

- The Radio Frequency Identification systems (RFID) allocation in the 900 MHz band
- Pre-programmed low power PMR446 two way radios.
- Allocation of Broadband FWA in the 2.6GHz band,
- Public Protection and Disaster relief (PPDR) bands which includes 380 -385//390-395MHz.
- Full allocation of 2x10MHz E-GSM spectrum. Previously the E-GSM allocation was 2 x 400 kHz short because of an allocation to a now defunct two-way paging service.
- Allocation of the 5GHz band to "mobile" so as to enable wireless LAN "Hotspots".
- Allocation of the band 14-14.5 GHz to aeronautical mobile to enable broadband internet access by aircraft passengers.
- At the WRC03 the South African delegation added the country name to an ITU Radio Regulation footnote which seeks to protect future radio astronomy activities in the 14GHz band.

²² The South African Table of Frequency Allocations (SATFA) – Notice 1442 of 2004.

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Appendix E National Radio Frequency Plan - 2010 and 2013

The National Radio Frequency Plan 2010²³ updated SATFA 2004²⁴ and extended the frequency range covered (now 9 kHz - 3000 GHz²⁵). Its stated aim was to incorporate the decisions taken by WRC and include updates on the Table of Frequency Allocations extending up to 3000GHz. In 2013, the National Radio Frequency Plan 2013²⁶ was updated.

The fundamental objectives informing the National Radio Frequency Plan were to:

- To effect.... policy directives published in Government Gazette No. 30308 of 17 September 2007 which states that the Authority should take into account the results of WRC 2007 when revising the national radio frequency plan
- To update the table with changes made by WRC 97, WRC 2000, WRC03, and WRC07
- To allocate spectrum that was previously not allocated by extending the range to cover 9 kHz to 3000 GHz in line with the Act and ITU-R
- To make spectrum available for new radio interfaces such as WIMAX, which were included as the newest member of the IMT family of standards
- To facilitate future identification of spectrum for very low power fixed links in the spectrum below 1 GHz in order to promote small medium and micro enterprises in the communications industry.

²³ The National Radio Frequency Plan – Notice 727 of 2010.

²⁴ The main reason for the name change is that the term National Radio Frequency Plan is used in the ECA.

²⁵ Although 1000 – 3000 GHz is not allocated.

²⁶ National Radio Frequency Plan 2013, Government Gazette 36336 (354 of 2013)

- To facilitate developments of the frequency migration strategies and to facilitate migration of high capacity fixed links to higher frequency bands
- To facilitate the development of a framework for usage of ISM frequency bands to support rural development objectives
- To promote access to lower frequency bands for broadband wireless access to support rural development
- To promote access to frequency bands below 1 GHz such as the 790 862 MHz band which offers both coverage and capacity to help bridge the "digital gap" between sparsely-populated and densely-populated areas and to increase universal service and access in the country.

The following changes were implemented:

- Identification and allocation of spectrum for IMT spectrum has been allocated in line with WRC 07 in the bands 790 862 MHz, 2300 2400 MHz, 2500 2690 MHz, 3400 3600 MHz, 1518 -1525 MHz and 1668-1675 MHz. Where there are existing services that need to be protected such provision has been made.
- Allocation of spectrum for amateur radio spectrum has been allocated in line with WRC 07 and previous WRCs in the bands 135.7 - 137.8 kHz, 2300 - 2450 on secondary basis.
- Addition of a proposal to change DTH from secondary to primary status in the 10.7-11.7 GHz
- National footnote NF 49 of SATFA 2004 has been replaced by national footnote NF 2 addressing the Astronomy Geographic Advantage Act, 2007 (Act No. 21 of 2007)
- Updated ISM frequency bands in line with Government Gazette Number 31321 Notice
 No. 944 of 08 August 2008
- Updated the 5725 5850 MHz band in line with Government Gazette Number 31290
 Notice No.926 of 29 July 2008.
- Added allocations for inductive loop and RFiD in line with Government Gazette
 Number 31290 Notice No. 926 of 29 July 2008
- Added new maritime, aeronautical allocations below 20 MHz and new satellite allocations above 70 GHz

The Plan did not specify any migration activities, although the plan includes the WRC mandated allocation of the 800 MHz to IMT (digital dividend 2).

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Appendix F National Radio Frequency Plan – 2018

This National Radio Frequency Plan 2018 (NRFP-18) has been prepared under Section 34 of the Act.

The NRFP-17allocates the Radio Frequency Spectrum to Radio Services in the Frequency Bands between 8.3 kHz and 3000 GHz. All frequency assignments must be in accordance national radio frequency plan.

This revised NRFP-18 incorporates the decisions taken by 2015 World Radiocommunication Conferences (WRC-15). The revision reflects the 2016 version of the ITU Radio Regulations, including the frequency allocations relevant to Region 1 and its associated footnotes. It also includes updates on the Table of Frequency Allocations extending up to 3000 GHz and South African National Footnotes. The revised NRFP-17 further reflects agreements taken at regional level including that of the African Telecommunication Union (ATU) and the Southern African Development Community (SADC)²⁷ Frequency Allocation Plan (FAP)²⁸. These aforementioned agreements do not supersede any regulations developed by the Authority.

The Authority consulted with the government Department that is responsible for approving the frequency band plan as prescribed in the Electronic Communications Act, to incorporate the radio frequency spectrum allocated by the Minister for use by security services taking into account the Government's current and planned use of radio frequency spectrum, including but not limited to, civil aviation, and aeronautical services and scientific research. This updated version of the NRFP-17 incorporates the outcome of the public consultation as mandated by the EC Act.

A document containing relevant ITU - R Resolutions and Recommendations referred in this document can be found on the Authority's website.

The pattern of radio use is not static as it is continuously evolving to reflect the many changes that are taking place in the radio environment; particularly in the field of technology. Spectrum allocations must reflect these changes and the position set out in this plan is therefore subject to regular reviews.

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²⁷ http://www.crasa.org/crasa-publication/cat/18/regulatory-guidelines/

http://www.crasa.org/common_up/crasa-setup/10-11-2016_SADC%20FREQUENCY%20ALLOCATION%20PLAN%202016.pdf

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In view of the above, it is the intention of the Authority to update the NRFP when necessary in order to keep the plan current with due regard given to the current and future usage of the radio frequency spectrum.

The following updates and amendments amongst others have been implemented in NRFP -17:

- National footnotes have been revised.
- The resolutions and decisions taken by World Radiocommunication Conferences preceding WRC-15.
- The resolutions and decisions taken by the WRC-15, as ratified by the South Africa (Republic of), have been reflected.
- The Astronomy Geographic Advantage Act, 2007 (Act No. 21 of 2007) covered in a separate chapter in view of the award of the Square Kilometre Array (SKA) to South Africa. The commencement of the Astronomy Geographic Advantage Act, 2007 (Act No. 21 of 2007) In terms of section 53 of the Astronomy Geographic Advantage Act. 2007 (Act No. 21 of 2007), the 24 April 2009 has been determined as the date on which the said Act comes into operation.
- The Regulations apply to the Karoo Central Astronomy Advantage Areas declared for the purpose of radio astronomy and related scientific endeavours in terms of sections 9(1) and 9(2) of the Act.
- Incorporated references to the SADC Frequency Allocation Plan (FAP) and SADC Harmonised Guidelines

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Appendix G: Summary of the Impact of the Proposed Frequency Migrations from 2013 included in this document

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1 Technical Investigation

The table below and subsequent sections include additional information on some frequency bands which were included in the study.

Item	RFSAP	GG. No.	Notice
1	75.2 to 87.5 MHz	41164	781 of 2017
2	138 to 143.6 MHz	41164	785 of 2017
3	150.5 to 153 MHz	41164	786 of 2017
4	156.4785 to 156.5625 MHz	41350	971 of 2017
5	380 to 400 MHz	41164	787 of 2017
6	403 to 406 MHz	RFSAP to be developed	
7	406 to 426 MHz	RFSAP to be developed (Destination band for Transnet)	
8	410 to 413 MHz paired with 420 to 423 MHz	RFSAP to be developed (Destination band for Transnet)	
9	426 to 430	RFSAP to be developed	
10	440 to 441 MHz	41164	788 of 2017
11	440 to 450 MHz	RFSAP to be developed	
12	450 to 470 MHz		
13	452.5 - 457.5 paired with 462.5 - 467.5	Band 31 identified for trial by Transnet	
14	694 to 876 MHz		
15	876 to 880 MHz		
16	921 to 925 MHz		
17	880 to 960 MHz		
18	880 to 915 MHz		
19	IMT850	41082	648 of 2017
20	925 to 960 MHz		
21	942 to 960 MHz	RFSAP to be developed	

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22	1350 to 1375 MHz paired with 1492 to 1517 MHz and 1375 to 1400 MHz paired 1427 to 1452 MHz	Feasibility studies to done after WRC 15. This band is currently allocated to low capacity PTP/DF links	
23	1452 to 1492 MHz	Feasibility study to be done. Align the status of the channel arrangements in ITU-R.M1036 within Working party 5D	
24	1518 to 1525 MHz	41164	784 of 2017
25	1700 to 2290 MHz		
26	2025 to 2110 MHz	41164	782 of 2017
27	2290 to 2300 MHz	RFSAP to be developed	
28	2285 to 2300 MHz	41164	783 of 2017
29	2300 to 2400 MHz		
30	2300 to 2450 MHz	Feasibility study to be considered and RFSAP to be developed	
31	2500 to 2690 MHz		
32	3300 to 3400 MHz	Feasibility study to be done. Align the status of the channel arrangements in ITU-R.M1036 within Working party 5D	
33	3400 to 3600 MHz	38640	278

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1.1 Applicable Frequency Allocation and Band information 69.25 MHz to 87.5 MHz

Frequency Band under investigation 69.25 MHz to 87.5 MHz MOBILE except aeronautical mobile

Frequency Sub bands

Allocate following pairings

Mobile 1 MTX 76.175 – 76.925 MHz paired with BTX 69.25 to 70 MHz

Mobile 2 MTX 75.2 – 76.175 MHz paired with BTX 70 to 70.975 MHz

Mobile 3 MTX 76.925 – 77.975 MHz paired with BTX 71.475 to 72.525 MHz

Mobile 4 MTX 78.625 – 80 MHz paired with BTX 73.425 to 74.8 MHz

Mobile 5 MTX 82.975 – 83.625 MHz paired with BTX 77.975 to 78.625 MHz

Mobile 6 MTX 87 – 87.5 MHz paired with BTX 80 to 80.5 MHz

Mobile 7 MTX 86.375 – 87 MHz paired with BTX 81 to 81.625 MHz

Mobile 8 MTX 85.025 - 86.375 MHz paired with BTX 81.625 to 82.975 MHz

Single Frequency Mobile Allocations

80.5 to 81 MHz

83.625 - 85.025 MHz

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1.1.1 Channel Plans for the Frequency Allocation

(Mobile 2) MID-BAND DUPLEX FREQUENCIES CHANNEL PLAN FOR 70-70.9625/75.2-76.1625MHz 2003 (12.5kHz)

CHANNEL	<u>- PLAN FC</u>	R 70-70.96	<u> 25/75.2-76.1625MHz</u>	2003 (12.5kHz)
CHANNEL No.	<u>BTX</u>	MTX	<u>REMARKS</u>	S/GRADE
1	70	75.2		
2	70.0125	75.2125		
3	70.025	75.225		
<u>4</u> 5	70.0375 70.05	75.2375 75.25		
6	70.0625	75.2625		
7	70.075	75.275		
8	70.0875	75.2875		
9	70.1	75.3		
10	70.1125	75.3125		
11 12	70.125 70.1375	75.325 75.3375		
13	70.1373	75.35		
14	70.1625	75.3625		
15	70.175	75.375		
16	70.1875	75.3875		
17	70.2	75.4		
18 19	70.2125 70.225	75.4125 75.425		
20	70.225	75.425 75.4375	1	
21	70.25	75.45		
22	70.2625	75.4625		
23	70.275	75.475		
24	70.2875	75.4875	1	
25 26	70.3 70.3125	75.5 75.5125		
27	70.3125	75.525	1	
28	70.3375	75.5375		
29	70.35	75.55		
30	70.3625	75.5625		
31	70.375	75.575		
32 33	70.3875 70.4	75.5875 75.6		
34	70.4125	75.6125		
35	70.425	75.625		
36	70.4375	75.6375		
37	70.45	75.65		
38	70.4625	75.6625		
39 40	70.475 70.4875	75.675 75.6875		
41	70.4675	75.7		
42	70.5125	75.7125		
43	70.525	75.725		
44	70.5375	75.7375		
45 46	70.55 70.5625	75.75 75.7625		
40	70.3023	73.7023		
CHANNEL No.	BTX	MTX	<u>REMARKS</u>	S/GRADE
47	70.575	75.775		
48	70.5875	75.7875		
49	70.6	75.8		
50 51	70.6125 70.625	75.8125 75.825		
52	70.625	75.825 75.8375	1	
53	70.65	75.85		
54	70.6625	75.8625		
55	70.675	75.875		
56	70.6875	75.8875		
57 58	70.7 70.7125	75.9 75.9125		
59	70.7125	75.9125		
60	70.7375	75.9375		
61	70.75	75.95		
62	70.7625	75.9625		
63	70.775	75.975 75.9875		
64 65	70.7875 70.8	75.9875 76	1	
66	70.8125	76.0125		
67	70.825	76.025		
68	70.8375	76.0375		
69	70.85	76.05		
70	70.8625 70.875	76.0625		
71 72	70.875 70.8875	76.075 76.0875	1	
73	70.8875	76.0873		
74	70.9125	76.1125		
75	70.925	76.125		
76	70.9375	76.1375		
77	70.95	76.15	1	
78	70.9625	76.1625		

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(Mobile 3) MID-BAND DUPLEX FREQUENCIES

CHANNEL PLAN FOR 71.475 - 72.5125/76.925 - 77.9625MHz 2003 (12.5 kHz)

HANNEL No.	BTX	MTX	REMARKS	S/GRADE	
1	71.475	76.925			
2	71.4875	76.9375			
3	71.5	76.95			
4 5	71.5125 71.525	76.9625 76.975			
6	71.5375	76.9875			
7	71.55	77			
8	71.5625	77.0125			
9	71.575	77.025			
10	71.5875	77.0375			
11 12	71.6 71.6125	77.05 77.0625			
13	71.625	77.075			
14	71.6375	77.0875			
15	71.65	77.1			
16	71.6625	77.1125			
17	71.675	77.125			
18 19	71.6875 71.7	77.1375 77.15			
20	71.7125	77.1625			
21	71.725	77.175			
22	71.7375	77.1875			
23	71.75	77.2			
24	71.7625	77.2125			
25 26	71.775 71.7875	77.225 77.2375			
26	71.7875	77.2375	 		
28	71.8125	77.2625			
29	71.825	77.275			
30	71.8375	77.2875			
31	71.85	77.3			
32 33	71.8625 71.875	77.3125 77.325			
34	71.8875	77.3375			
35	71.9	77.35			
36	71.9125	77.3625			
37	71.925	77.375			
38	71.9375	77.3875			
39 40	71.95	77.4			
41	71.9625 71.975	77.4125 77.425			
42	71.9875	77.4375			
43	72	77.45			
43 44	72 72.0125	77.45 77.4625			
43 44 45	72 72.0125 72.025	77.45 77.4625 77.475			
43 44	72 72.0125	77.45 77.4625			
43 44 45	72 72.0125 72.025	77.45 77.4625 77.475	<u>REMARKS</u>	S/GRADE	
43 44 45 46 HANNEL No.	72 72.0125 72.025 72.0375 BTX	77.45 77.4625 77.475 77.4875 MTX	<u>REMARKS</u>	S/GRADE	
43 44 45 46 HANNEL No.	72 72.0125 72.025 72.0375 BTX 72.05	77.45 77.4625 77.475 77.4875 MTX	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48	72 72.0125 72.025 72.0375 BTX 72.05 72.0625	77.45 77.4625 77.475 77.4875 MTX 77.5 77.5125	<u>REMARKS</u>	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49	72 72.0125 72.025 72.0375 BTX 72.05 72.0625 72.075	77.45 77.4625 77.475 77.4875 MTX 77.5 77.5125 77.525	<u>REMARKS</u>	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50	72 72.0125 72.025 72.0375 BTX 72.05 72.0625	77.45 77.4625 77.475 77.4875 77.4875 MTX 77.5 77.5125 77.525 77.5375	<u>REMARKS</u>	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 51	72 72.0125 72.025 72.0375 BIX 72.05 72.0625 72.075 72.0875 72.1 72.1125	77.45 77.4625 77.475 77.4875 MTX 77.5 77.5125 77.525 77.5375 77.555 77.5625	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 51 52 53	72 72.0125 72.025 72.0375 BTX 72.05 72.0625 72.0625 72.075 72.1125 72.1125	77.45 77.4625 77.475 77.4875 MTX 77.5 77.5125 77.525 77.5375 77.5625 77.575	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 51 52 53 54	72 72.0125 72.025 72.0375 BTX 72.05 72.0625 72.075 72.0875 72.1125 72.1125 72.1375	77.45 77.4625 77.475 77.4875 MTX 77.5 77.5125 77.525 77.5375 77.5625 77.5625 77.576 77.5875	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 51 52 53 54 55	72 72.0125 72.025 72.0375 BIX 72.05 72.0625 72.0875 72.0875 72.1 72.1125 72.125 72.1375 72.15	77.45 77.4625 77.475 77.4875 MTX 77.5 77.5125 77.525 77.525 77.525 77.5625 77.5625 77.5875 77.6	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 52 53 54 55 56	72 72.0125 72.025 72.0375 BTX 72.0625 72.0625 72.075 72.125 72.125 72.1375 72.15 72.1625	77.45 77.4625 77.475 77.4875 MTX 77.5 77.5125 77.525 77.5375 77.5625 77.5875 77.5875 77.6125	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 51 52 53 54 55	72 72.0125 72.025 72.0375 BIX 72.05 72.0625 72.0875 72.0875 72.1 72.1125 72.125 72.1375 72.15	77.45 77.4625 77.475 77.4875 MTX 77.5 77.5125 77.525 77.525 77.525 77.5625 77.5625 77.5875 77.6	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 52 53 54 55 56 57 58 59	72 72.0125 72.025 72.0375 BTX 72.05 72.0625 72.075 72.125 72.125 72.125 72.1375 72.15 72.15 72.15 72.15 72.1625 72.175 72.1875 72.2	77.45 77.4625 77.475 77.4875 MTX 77.5 77.5125 77.525 77.5375 77.5625 77.5875 77.625 77.625 77.6375	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 52 53 54 55 56 57 58 59 60	72 72.0125 72.025 72.0375 BTX 72.05 72.0625 72.075 72.0875 72.1125 72.1125 72.1375 72.1625 72.145 72.15 72.1625 72.175 72.1875 72.1875 72.1875 72.2	77.45 77.4625 77.475 77.4875 MTX 77.5 77.5125 77.525 77.525 77.5875 77.5625 77.6625 77.6375 77.665 77.6625	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61	72 72.0125 72.025 72.0375 BTX 72.05 72.0625 72.0875 72.0875 72.11 72.1125 72.125 72.125 72.1375 72.15 72.1625 72.1875 72.1875 72.125 72.2125 72.2125 72.2125	77.45 77.4625 77.475 77.4875 MIX 77.5 77.5125 77.525 77.525 77.5875 77.5625 77.5625 77.6125 77.625 77.625 77.625 77.625 77.625 77.6625	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62	72 72.0125 72.025 72.0375 BTX 72.05 72.0625 72.0625 72.075 72.1125 72.1125 72.1375 72.15 72.1625 72.1625 72.1875 72.1875 72.12 72.22 72.2125 72.2375	77.45 77.4625 77.475 77.4875 MTX 77.5 77.5125 77.525 77.525 77.5625 77.5625 77.6625 77.625 77.625 77.6625 77.665 77.6675	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63	72 72.0125 72.025 72.0375 BIX 72.05 72.0625 72.075 72.0875 72.1125 72.1125 72.1375 72.1625 72.1475 72.1875 72.125 72.125 72.2375 72.225 72.2375 72.25	77.45 77.4625 77.475 77.4875 MTX 77.5 77.5125 77.525 77.525 77.5825 77.575 77.6625 77.625 77.6625 77.6625 77.6625 77.6675	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62	72 72.0125 72.025 72.0375 BTX 72.065 72.0625 72.0875 72.11 72.1125 72.125 72.1375 72.15 72.125 72.1375 72.125 72.2175 72.225 72.2375 72.225 72.2375 72.25 72.225 72.2375 72.2625	77.45 77.4625 77.475 77.4875 MTX 77.5 77.5125 77.525 77.525 77.5625 77.5625 77.6625 77.625 77.625 77.6625 77.665 77.6675	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66	72 72.0125 72.025 72.0375 BIX 72.05 72.0625 72.075 72.0875 72.1125 72.1125 72.1375 72.145 72.145 72.125 72.125 72.125 72.125 72.125 72.125 72.2125 72.225 72.2375 72.25 72.225 72.225 72.225 72.225 72.225 72.225 72.225 72.225 72.225 72.225 72.225 72.225	77.45 77.4625 77.475 77.4875 MTX 77.5 77.5125 77.525 77.525 77.5875 77.5825 77.6625 77.6375 77.685 77.685 77.6875 77.6875 77.7125 77.7125 77.725	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67	72 72.0125 72.025 72.025 72.0375 BTX 72.06 72.0625 72.0875 72.11 72.1125 72.125 72.1375 72.15 72.1625 72.1875 72.125 72.225 72.2375 72.225 72.2375 72.25 72.225 72.2375 72.25 72.2625 72.275 72.2875 72.2875 72.2875 72.2375	77.45 77.4625 77.4625 77.475 77.4875 MTX 77.5 77.5125 77.525 77.525 77.5625 77.5625 77.6625 77.6625 77.6625 77.675 77.6875 77.6875 77.6875 77.6875 77.77 77.7125 77.7125 77.7375	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	72 72.0125 72.025 72.0375 BTX 72.05 72.0625 72.0625 72.075 72.0875 72.1125 72.1125 72.1375 72.15 72.1625 72.1875 72.1875 72.125 72.22 72.2125 72.225 72.225 72.225 72.225 72.225 72.225 72.2275 72.2875 72.2875 72.3125	77.45 77.4625 77.475 77.4875 MTX 77.5 77.5125 77.525 77.5375 77.5625 77.5875 77.625 77.6375 77.6625 77.6625 77.675 77.77.77.77.77.77.77.77.77.75 77.755 77.765 77.765 77.765 77.7675 77.77.77.77.77.77.77.77.77.77.77.77.77.	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 64 65 66 67 68 69	72 72.0125 72.025 72.0375 BIX 72.05 72.0625 72.0625 72.075 72.0875 72.1 72.1125 72.125 72.1375 72.15 72.1625 72.1475 72.125 72.2125 72.225 72.2375 72.225 72.225 72.2375 72.2875 72.2875 72.375 72.375 72.375 72.375 72.375 72.375 72.3875 72.375 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3325	77.45 77.4625 77.475 77.4875 MTX 77.5 77.5125 77.525 77.525 77.5875 77.5825 77.6625 77.665 77.6875 77.6875 77.7125 77.7125 77.775 77.775 77.775	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70	72 72.0125 72.025 72.025 72.0375 BTX 72.05 72.0625 72.0875 72.11 72.1125 72.125 72.125 72.1375 72.15 72.1625 72.1875 72.225 72.2375 72.225 72.2375 72.225 72.2375 72.2875 72.2875 72.2875 72.2875 72.3375 72.3375 72.3375	77.45 77.4625 77.475 77.4875 MTX 77.5 77.525 77.525 77.525 77.5625 77.5625 77.6625 77.6625 77.6625 77.675 77.77 77.7125 77.7375 77.7625 77.7855 77.78575 77.7875 77.7875	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71	72 72.0125 72.025 72.0375 BTX 72.05 72.0625 72.0625 72.075 72.0875 72.1125 72.1125 72.1375 72.15 72.1625 72.1875 72.1875 72.125 72.225 72.225 72.225 72.225 72.225 72.225 72.2375 72.2875 72.3375 72.3325 72.3375 72.3375 72.3375 72.335	77.45 77.4625 77.475 77.4875 MIX 77.5 77.5125 77.525 77.5375 77.5625 77.5875 77.625 77.625 77.6625 77.675 77.675 77.77.77 77.7125 77.775 77.785 77.785 77.785 77.785 77.785 77.7875 77.7875 77.7875	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70	72 72.0125 72.025 72.025 72.0375 BTX 72.05 72.0625 72.0875 72.11 72.1125 72.125 72.125 72.1375 72.15 72.1625 72.1875 72.225 72.2375 72.225 72.2375 72.225 72.2375 72.2875 72.2875 72.2875 72.2875 72.3375 72.3375 72.3375	77.45 77.4625 77.475 77.4875 MTX 77.5 77.525 77.525 77.525 77.5625 77.5625 77.6625 77.6625 77.6625 77.675 77.77 77.7125 77.7375 77.7625 77.7855 77.78575 77.7875 77.7875	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74	72 72.0125 72.025 72.0375 BTX 72.05 72.0625 72.0625 72.0875 72.1875 72.1125 72.1375 72.1625 72.1875 72.1875 72.225 72.225 72.225 72.225 72.225 72.225 72.2375 72.3875 72.3875 72.3875 72.3375 72.3375 72.35 72.3625 72.375 72.3875 72.3875	77.45 77.4625 77.475 77.4875 MIX 77.5 77.5125 77.525 77.5375 77.5625 77.6625 77.6375 77.6625 77.6625 77.675 77.77 77.7125 77.77 77.7125 77.78875 77.78875 77.78875 77.78875 77.78875 77.78875 77.78875 77.78875 77.78875 77.78875 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.7875 77.7875 77.8825 77.8825 77.8825	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75	72 72.0125 72.025 72.0375 BIX 72.05 72.0625 72.075 72.0875 72.17 72.1125 72.125 72.1375 72.1875 72.1875 72.125 72.2125 72.225 72.2375 72.225 72.2375 72.375 72.3125 72.3375 72.3375 72.35 72.3375 72.35 72.35 72.35 72.35 72.3625 72.375 72.375 72.375 72.375 72.3875 72.375 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875	77.45 77.4625 77.476 77.4875 MTX 77.5 77.5125 77.525 77.525 77.5875 77.5825 77.5875 77.625 77.625 77.675 77.6875 77.7725 77.7725 77.7725 77.7725 77.775 77.7825 77.785 77.885 77.8875 77.8875 77.8875 77.8875 77.8875 77.8875 77.8875 77.8875 77.8875 77.8875 77.8875 77.8875 77.8875 77.8875	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76	72 72.0125 72.025 72.025 72.0375 BTX 72.05 72.0625 72.075 72.0875 72.11 72.1126 72.125 72.1375 72.15 72.1625 72.1875 72.125 72.225 72.2376 72.225 72.2375 72.2375 72.3875 72.3875 72.3875 72.44	77.45 77.4625 77.475 77.4875 MTX 77.5 77.5125 77.525 77.525 77.5625 77.5625 77.6625 77.6625 77.6625 77.675 77.785 77.7875 77.7725 77.7725 77.7875 77.785 77.785 77.785 77.785 77.8875 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.8875 77.8875 77.8875 77.8875 77.8875 77.8875 77.8875 77.8875 77.8875 77.8875 77.8875 77.8825 77.8825	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77	72 72.0125 72.025 72.0375 BTX 72.05 72.0625 72.0625 72.0875 72.1875 72.1125 72.1375 72.1625 72.1875 72.1875 72.22 72.2126 72.225 72.225 72.2375 72.2875 72.3875 72.3875 72.3875 72.3375 72.3375 72.35 72.3625 72.375 72.3875 72.375 72.3875 72.375 72.3875 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.3875 72.3875 72.3875 72.44125 72.4425	77.45 77.4625 77.475 77.4875 MIX 77.5 77.5125 77.525 77.5375 77.5625 77.5875 77.625 77.6375 77.6625 77.675 77.77 77.7125 77.775 77.775 77.78875 77.78875 77.78875 77.78875 77.78875 77.78875 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.7875 77.7875 77.8825 77.8825 77.885 77.8825 77.885	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78	72 72.0125 72.025 72.0375 BIX 72.0625 72.0625 72.075 72.0625 72.175 72.1125 72.125 72.1375 72.15 72.1625 72.1375 72.125 72.225 72.225 72.2375 72.225 72.2375 72.375 72.3375 72.3375 72.3375 72.3375 72.3375 72.3375 72.3375 72.3375 72.3375 72.3375 72.3425 72.375 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.44125 72.4425 72.44375	77.45 77.4625 77.4625 77.475 77.4875 MTX 77.5 77.5125 77.525 77.525 77.5825 77.5875 77.66 77.6125 77.625 77.6875 77.6875 77.7125 77.725 77.7725 77.775 77.7725 77.7875 77.7875 77.7875 77.7875 77.7875 77.8875 77.8855 77.8875 77.8875	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77	72 72.0125 72.025 72.0375 BTX 72.05 72.0625 72.0625 72.0875 72.1875 72.1125 72.1375 72.1625 72.1875 72.1875 72.22 72.2126 72.225 72.225 72.2375 72.2875 72.3875 72.3875 72.3875 72.3375 72.3375 72.35 72.3625 72.375 72.3875 72.375 72.3875 72.375 72.3875 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.3875 72.3875 72.3875 72.44125 72.4425	77.45 77.4625 77.475 77.4875 MIX 77.5 77.5125 77.525 77.5375 77.5625 77.5875 77.625 77.6375 77.6625 77.675 77.77 77.7125 77.775 77.775 77.78875 77.78875 77.78875 77.78875 77.78875 77.78875 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.7875 77.7875 77.8825 77.8825 77.885 77.8825 77.885	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 77 78 79 80 81	72 72.0125 72.025 72.0375 BIX 72.05 72.0625 72.075 72.0875 72.17 72.1125 72.125 72.1375 72.1875 72.1875 72.225 72.225 72.2375 72.2375 72.325 72.3375 72.3375 72.3375 72.3375 72.3475 72.35 72.3475 72.35 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.375 72.3875 72.375 72.3875 72.3875 72.375 72.4425 72.4425 72.4425 72.4455 72.4455 72.4455 72.4455 72.4455 72.4455	77.45 77.4625 77.4625 77.475 77.4875 MTX 77.5 77.5125 77.525 77.525 77.5825 77.5875 77.6625 77.6625 77.675 77.7625 77.7725 77.7725 77.7725 77.7875 77.7875 77.7875 77.7875 77.7875 77.78875 77.8825 77.825 77.825 77.825 77.787 77.775 77.775 77.775 77.787 77.775 77.787 77.787 77.8875 77.8875 77.8875 77.8875 77.8875 77.8875 77.8875 77.8875 77.99 77.9125	REMARKS	S/GRADE	
43 44 45 46 HANNEL No. 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80	72 72.0125 72.025 72.0375 BTX 72.05 72.0625 72.0625 72.0875 72.1875 72.1125 72.1375 72.15 72.1625 72.1875 72.1875 72.227 72.225 72.2375 72.25 72.225 72.2375 72.325 72.3375 72.35 72.35 72.35 72.3625 72.375 72.375 72.3875 72.375 72.3875 72.375 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.3875 72.4425 72.4425 72.4425 72.4425 72.445	77.45 77.4625 77.475 77.4875 MTX 77.5 77.5125 77.525 77.5375 77.5625 77.5875 77.625 77.6375 77.6625 77.676 77.675 77.77 77.7125 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.785 77.8875 77.885 77.885 77.8875 77.8875 77.8875 77.8875 77.8875 77.8875 77.8875 77.8875	REMARKS	S/GRADE	

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MID-BAND SIMPLEX FREQUENCIES

CHANNEL PLAN FOR 72.525 - 73.425MHz 2003 (12.5 kHz)

HANNEL No.	<u>BTX</u>		<u>REMARKS</u>	S/GRADE
1	72.525	 		1
2	72.525	+		+
3	72.55			+
4	72.5625			
5	72.575			
6	72.5875			
7	72.6			
8	72.6125			
9	72.625			+
10 11	72.6375 72.65			+
12	72.6625			+
13	72.675			1
14	72.6875			
15	72.7			
16	72.7125			
17	72.725			
18	72.7375 72.75			+
19 20	72.7625			+
21	72.775	 		1
22	72.7875			1
23	72.8			
24	72.8125			
25	72.825			
26	72.8375			
27	72.85			1
28 29	72.8625 72.875			
30	72.8875			
31	72.9			
32	72.9125			
33	72.925			
34	72.9375			
35	72.95			
36	72.9625			
37 38	72.975 72.9875			+
39	73			+
40	73.0125			
41	73.025			
42	73.0375			
43	73.05			
44	73.0625			+
45 46	73.075 73.0875			+
40	73.0675			+
47	73.1			
48	73.1125			
49	73.125			
50	73.1375			
51 52	73.15	 		+
52	73.1625 73.175	 		1
54	73.175	+		1
55	73.2			1
56	73.2125			İ
57	73.225			
58	73.2375	<u> </u>		
59	73.25			
60	73.2625	+		+
61 62	73.275 73.2875	+		+
63	73.2875	+ +		1
64	73.3125	1		1
65	73.325			
66	73.3375			
67	73.35			
68	73.3625			1
69	73.375	 		1
70	73.3875	+		1
71 72	73.4 73.4125	+		+
1 4	13.4123	·		1

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(Mobile 4	I) MID-BAI	ND DUPL	EX FREQU	ENCIES	
CHANNE	L PLAN FO	R 73.425	- 74.8/78.625	5 - 80MHz 200	3 (12.5kHz)

ANNEL No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 17 22 23 24 25 26 27 28 29 30 31 31 32 33 34	BTX 73.425 73.4375 73.45 73.45 73.4625 73.475 73.4875 73.5126 73.5125 73.525 73.5375 73.5625 73.5875 73.6625 73.5625 73.6125 73.625 73.625 73.625 73.625 73.625	MTX 78.625 78.6375 78.65 78.655 78.675 78.675 78.77 78.7125 78.725 78.725 78.7625	REMARKS	S/GRADE
2 3 4 4 5 6 6 7 8 8 9 9 10 11 1 12 13 14 15 16 16 17 17 20 20 22 23 24 25 26 27 28 29 30 31 32 33 34 4	73.4375 73.45 73.4625 73.475 73.4875 73.5125 73.525 73.525 73.525 73.557 73.5625 73.5875 73.6625 73.6125 73.625 73.625	78.6375 78.65 78.6625 78.6625 78.675 78.675 78.7125 78.725 78.7375 78.75 78.7625		
2 3 4 4 5 6 6 7 8 8 9 9 10 11 1 12 13 14 15 16 16 17 17 20 20 22 23 24 25 26 27 28 29 30 31 32 33 34 4	73.4375 73.45 73.4625 73.475 73.4875 73.5125 73.525 73.525 73.525 73.557 73.5625 73.5875 73.6625 73.6125 73.625 73.625	78.6375 78.65 78.6625 78.6625 78.675 78.675 78.7125 78.725 78.7375 78.75 78.7625		
4 5 6 6 7 8 9 9 110 111 12 13 14 15 16 17 7 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34	73.4625 73.475 73.4875 73.525 73.5125 73.525 73.5375 73.5625 73.5625 73.5875 73.5875 73.6125 73.6125 73.625	78.6625 78.675 78.6875 78.7 78.7125 78.725 78.7375 78.75 78.7625		
6 7 8 9 110 111 12 13 14 15 16 17 7 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 4	73.476 73.4875 73.5 73.5125 73.526 73.5375 73.5625 73.5625 73.5875 73.6875 73.6125 73.625	78.675 78.6875 78.7 78.7 78.7125 78.725 78.7375 78.75 78.7625		
7 8 9 10 11 1 12 13 13 14 15 16 17 17 18 19 20 21 1 22 23 24 25 26 27 28 29 30 31 32 33 34	73.5 73.5125 73.525 73.5375 73.565 73.5625 73.575 73.5875 73.6 73.6125 73.625	78.7 78.7125 78.725 78.7375 78.75 78.7625		
9 10 11 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33	73.525 73.5375 73.55 73.5625 73.5625 73.5875 73.6875 73.6125 73.6125	78.725 78.7375 78.75 78.7625		
10 11 12 13 14 15 16 17 17 19 20 21 22 23 23 24 25 26 26 27 28 29 30 31 32 33	73.5375 73.55 73.5625 73.575 73.5875 73.6 73.6 73.6125 73.625	78.7375 78.75 78.7625		
12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33	73.5625 73.575 73.5875 73.6 73.6125 73.625	78.7625		
13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34	73.575 73.5875 73.6 73.6125 73.625			
15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33	73.6 73.6125 73.625	78.775		
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33	73.6125 73.625	78.7875 78.8		
18 19 20 21 22 23 24 25 26 27 28 30 31 32 33 34	73.625 73.6375	78.8125		
19 20 21 22 23 24 25 26 27 28 29 30 31 32 33		78.825 78.8375		
21 22 23 24 25 26 27 28 29 30 31 32 33 34	73.65	78.85		
22 23 24 25 26 27 28 29 30 31 32 33 34	73.6625 73.675	78.8625 78.875		
24 25 26 27 28 29 30 31 32 33 34	73.6875	78.8875		
25 26 27 28 29 30 31 32 33 34	73.7 73.7125	78.9 78.9125		
27 28 29 30 31 32 33 34	73.725	78.925		
28 29 30 31 32 33 34	73.7375 73.75	78.9375 78.95		
30 31 32 33 34	73.7625	78.9625		
31 32 33 34	73.775 73.7875	78.975 78.9875		
33 34	73.8	79		
34	73.8125 73.825	79.0125 79.025		
	73.8375	79.0375		
35 36	73.85 73.8625	79.05 79.0625		
37	73.875	79.075		
38 39	73.8875 73.9	79.0875 79.1		
40	73.9125 73.925	79.1125		
41 42	73.9375	79.125 79.1375		
43 44	73.95 73.9625	79.15 79.1625		
45	73.975	79.175		
46	73.9875	79.1875	· · · · · · · · · · · · · · · · · · ·	
NNEL No.	BTX	MTX	REMARKS	S/GRADE
47	74	79.2		
48 49	74.0125 74.025	79.2125 79.225		
50	74.0375	79.2375		
51 52	74.05 74.0625	79.25 79.2625		
53	74.075	79.275		
54 55	74.0875 74.1	79.2875 79.3		
56 57	74.1125 74.125	79.3125 79.325		
58	74.1375	79.3375		
59 60	74.15 74.1625	79.35 79.3625		_
61	74.175	79.375		
62 63	74.1875 74.2	79.3875 79.4		-
64	74.2125 74.225	79.4125		
65 66	74.225 74.2375	79.425 79.4375		
67	74.25	79.45		
68 69	74.2625 74.275	79.4625 79.475		
70	74.2875	79.4875		
71 72	74.3 74.3125	79.5 79.5125		
73 74	74.325	79.525		
75	74.3375 74.35	79.5375 79.55		
76 77	74.3625 74.375	79.5625 79.575	·	
78	74.3875	79.5875		
79 80	74.4 74.4125	79.6 79.6125		
81	74.425	79.625		
82 83	74.4375 74.45	79.6375 79.65		
84	74.4625	79.6625		
85 86	74.475 74.4875	79.675 79.6875		
87	74.5	79.7		
88 89	74.5125 74.525	79.7125 79.725		-
90	74.5375	79.7375		
91 92	74.55 74.5625	79.75 79.7625		
93	74.575	79.775		
94 95	74.5875 74.6	79.7875 79.8		+
96	74.6125	79.8125		
97	74.625	79.825		
98 99	74.6375 74.65	79.8375 79.85		
100	74.6625	79.8625		
101 102	74.675 74.6875	79.875 79.8875		+
103	74.7	79.9		
104 105	74.7125 74.725	79.9125 79.925		
	74.7375	79.9375		
106	74.75	79.95 79.9625		
	74.7625			

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(Mobile 5) MID-BAND DUPLEX FREQUENCIES

CHANNEL PLAN FOR 77.975 - 78.625/82.975 - 83.625MHz 2003 (12.5 kHz)

HANNEL No.	<u>BTX</u>	MTX	<u>REMARKS</u>	S/GRADE	
1	77.975	82.975			
2	77.9875	82.9875			
3	78	83			
4	78.0125	83.0125			
5	78.025	83.025			
6	78.0375	83.0375			
7	78.05	83.05			
8	78.0625	83.0625			
9	78.075	83.075			
10	78.0875	83.0875			
11	78.1	83.1			
12	78.1125	83.1125			
13	78.125	83.125			
14	78.1375	83.1375			
15	78.15	83.15			
16	78.1625	83.1625			
17	78.175	83.175			
				+	
18 19	78.1875 78.2	83.1875 83.2		+ +	
20	78.2125	83.2125		+	
21	78.225	83.225			
22	78.2375	83.2375			
23	78.25	83.25			
24	78.2625	83.2625			
25	78.275	83.275			
26	78.2875	83.2875			
27	78.3	83.3			
28	78.3125	83.3125			
29	78.325	83.325			
30	78.3375	83.3375			
31	78.35	83.35			
32	78.3625	83.3625			
33	78.375	83.375			
34	78.3875	83.3875			
35	78.4	83.4			
36	78.4125	83.4125			
37	78.425	83.425			
38	78.4375	83.4375			
39	78.45	83.45			
40	78.4625	83.4625			
41	78.475	83.475			
42	78.4875	83.4875			
43	78.5	83.5			
44	78.5125	83.5125			
45	78.525	83.525			
46	78.5375	83.5375			
HANNEL No.	<u>BTX</u>	MTX	<u>REMARKS</u>	S/GRADE	
47	78.55	83.55			
48	78.5625	83.5625			
49	78.575	83.575			
50	78.5875	83.5875			
51	78.6	83.6		l l	

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MID-BAND SIMPLEX FREQUENCIES

CHANNEL PLAN FOR 80.5 - 81MHz 2003 (12.5kHz)

		5-111-112	
CHANNEL No.	<u>BTX</u>	<u>REMARKS</u>	S/GRADE
1	80.5		
2	80.5125		
3	80.525		
4	80.5375		
5	80.55		
6	80.5625		
7	80.575		
8	80.5875		
9	80.6		
10	80.6125		
11	80.625		
12	80.6375		
13	80.65		
14	80.6625		
15	80.675		
16	80.6875		
17	80.7		
18	80.7125		
19	80.725		
20	80.7375		
21	80.75		
22	80.7625		
23	80.775		
24	80.7875		
25	80.8		
26	80.8125		
27	80.825		
28	80.8375		
29	80.85		
30	80.8625		
31	80.875		
32	80.8875		
33	80.9		
34	80.9125		
35	80.925		
36	80.9375		
37	80.95		
38	80.9625		
39	80.975		
40	80.9875		

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(Mobile 6) MID-BAND DUPLEX FREQUENCIES

CHANNEL PLAN FOR 80-80.5/87-87.5MHz 2003 (12.5 kHz)

CHANNEL No.	<u>BTX</u>	MTX	<u>REMARKS</u>	S/GRADE
1	80	87		
2	80.0125	87.0125		
3	80.025	87.025		
4	80.0375	87.0375		
5	80.05	87.05		
6	80.0625	87.0625		
7	80.075	87.075		
8	80.0875	87.0875		
9	80.1	87.1		
10	80.1125	87.1125		
11	80.125	87.125		
12	80.1375	87.1375		
13	80.15	87.15		
14	80.1625	87.1625		
15	80.175	87.175		
16	80.1875	87.1875		
17	80.2	87.2		
18	80.2125	87.2125		
19	80.225	87.225		
20	80.2375	87.2375		
21	80.25	87.25		
22	80.2625	87.2625		
23	80.275	87.275		
24	80.2875	87.2875		
25	80.3	87.3		
26	80.3125	87.3125		
27	80.325	87.325		
28	80.3375	87.3375		
29	80.35	87.35		
30	80.3625	87.3625		
31	80.375	87.375		
32	80.3875	87.3875		
33	80.4	87.4		
34	80.4125	87.4125		
35	80.425	87.425		
36	80.4375	87.4375		
37	80.45	87.45		
38	80.4625	87.4625		
39	80.475	87.475		
40	80.4875	87.4875		

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		D 21 605	82 975/85 NOS 05 275 M		(12 EVU-)
HANNEL No.	BTX	MTX	82.975/85.025-86.375MH REMARKS	S/GRADE	(12.5KHz)
1	81.625	85.025			
2	81.6375	85.0375			
3	81.65 81.6625	85.05 85.0625			
5 6	81.675 81.6875	85.075 85.0875			
7	81.7	85.1			
9	81.7125 81.725	85.1125 85.125			
10	81.7375	85.1375			
11 12	81.75 81.7625	85.15 85.1625			
13	81.775 81.7875	85.175 85.1875			
14 15	81.7875	85.1875 85.2			
16 17	81.8125 81.825	85.2125 85.225			
18	81.8375	85.2375			
19 20	81.85 81.8625	85.25 85.2625			
21	81.875	85.275			
22	81.8875 81.9	85.2875 85.3			
24 25	81.9125 81.925	85.3125 85.325			
26	81.9375	85.3375			
27 28	81.95 81.9625	85.35 85.3625			
29	81.975	85.3625 85.375			
30 31	81.9875 82	85.3875 85.4			
32	82.0125	85.4125			
33 34	82.025 82.0375	85.425 85.4375			
35	82.05	85.45			
36 37	82.0625 82.075	85.4625 85.475		\vdash	
38	82.0875	85.4875			
39 40	82.1 82.1125	85.5 85.5125			
41 42	82.125 82.1375	85.525 85.5375			
43	82.15	85.55			
44 IANNEL No.	82.1625 BTX	85.5625 MTX	REMARKS_	S/GRADE	
			82.975/85.025-86.375MH		
	BTX	MTX		S/GRADE	
ANNEL No. 45	82.175	85.575	REMARKS	5/GRADE	
46 47	82.1875 82.2	85.5875 85.6			
48	82.2125	85.6125			
49 50	82.225 82.2375	85.625 85.6375			
51	82.25	85.65			
52 53	82.2625 82.275	85.6625 85.675			
54	82.2875	85.6875			
55 56	82.3 82.3125	85.7 85.7125			
57 58	82.325 82.3375	85.725 85.7375			
59	82.35	85.75			
60 61	82.3625 82.375	85.7625 85.775			
62	82.3875	85.7875			
63 64	82.4 82.4125	85.8 85.8125			
65	82.425	85.825			
66 67	82.4375 82.45	85.8375 85.85			
68	82.4625	85.8625			
69 70	82.475 82.4875	85.875 85.8875	<u> </u>		
71	82.5	85.9			
72 73	82.5125 82.525	85.9125 85.925	<u> </u>		
74 75	82.5375	85.9375			
75 76	82.55 82.5625	85.95 85.9625			
77 78	82.575 82.5875	85.975 85.9875		$\vdash \vdash \vdash$	
79	82.6	86			
80 81	82.6125 82.625	86.0125 86.025			
82	82.6375	86.0375			
83 84	82.65 82.6625	86.05 86.0625			
85	82.675	86.075			
86 87	82.6875 82.7	86.0875 86.1			
88	82.7125	86.1125			
89 90	82.725 82.7375	86.125 86.1375	<u> </u>		
ANNEL No.	втх	MTX	REMARKS	S/GRADE	
			82.975/85.025-86.375MH		
				S/GRADE	
ANNEL No. 91	<u>BTX</u> 82.75	MTX 86.15	REMARKS	3/GRADE	
92	82.7625 82.775	86.1625			
93 94	82.7875	86.175 86.1875			
95	82.8	86.2			
96 97	82.8125 82.825	86.2125 86.225	<u> </u>		
98	82.8375	86.2375			
99 100	82.85 82.8625	86.25 86.2625	<u> </u>		
101	82.875	86.275			
102 103	82.8875 82.9	86.2875 86.3			
104	82.9125 82.925	86.3125 86.325			
105 106	82.9375	86.3375			

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(Mobile 7) MID-BAND DUPLEX FREQUENCIES CHANNEL PLAN FOR 81 - 8.62/86.375-87MHz 2003 (12.5 kHz)

CHANNE	<u> PLAN F</u>	OR 81 - 8	.62/86.375-87MHz 2003 (12.5	kHz)
CHANNEL No.	BTX	MTX	REMARKS	S/GRADE
OID WITHELITO.	<u> </u>	WITZ	<u>reminio</u>	<u>O/ O/ U (DE</u>
1	81	86.375		
2	81.0125	86.3875		
3	81.025	86.4		
4	81.0375	86.4125		
5	81.05	86.425		
6	81.0625	86.4375		
7	81.075	86.45		
8	81.0875	86.4625		
9	81.1	86.475		
10	81.1125	86.4875	Livestock & Wildlife protection NARC RSA	
11	81.125	86.5		
12	81.1375	86.5125		
13	81.15	86.525		
14	81.1625	86.5375		
15	81.175	86.55		
16	81.1875	86.5625	Livestock & Wildlife protection NARC RSA	
17	81.2	86.575	·	
18	81.2125	86.5875		
19	81.225	86.6		
20	81.2375	86.6125		
21	81.25	86.625		
22	81.2625	86.6375		
23	81.275	86.65		
24	81.2875	86.6625	Livestock & Wildlife protection NARC RSA	
25	81.3	86.675		
26	81.3125	86.6875	Livestock & Wildlife protection NARC RSA	
27	81.325	86.7		
28	81.3375	86.7125		
29	81.35	86.725		
30	81.3625	86.7375	Livestock & Wildlife protection NARC RSA	
31	81.375	86.75		
32	81.3875	86.7625		
33	81.4	86.775		
34	81.4125	86.7875		
35	81.425	86.8		
36	81.4375	86.8125		
37	81.45	86.825		
38	81.4625	86.8375		
39	81.475	86.85		
40	81.4875	86.8625		
41	81.5	86.875		
42	81.5125	86.8875		
43	81.525	86.9		
44	81.5375	86.9125		
45	81.55	86.925		
46	81.5625	86.9375		
47	81.575	86.95		
48	81.5875	86.9625		
49	81.6	86.975		
50	81.6125	86.9875		

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MID-BAND SIMPLEX FREQUEN	CIES
MID-BAIND SIMI ELX I REGOLIN	CILO
CHANNEL PLAN FOR 83.625 - 85.0	025MHz 2003 (12.5 kHz)
	,

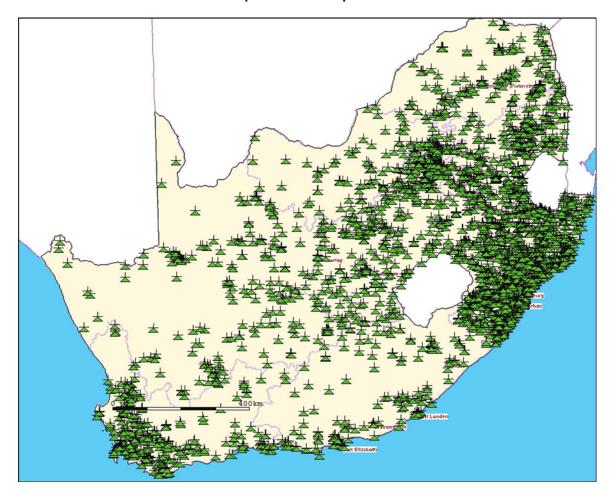
CHAMINE	LFLANFC	11 03.023 -	85.025WHZ 2003 (12.5 KI	12)
CHANNEL No.	DTV		DEMARKS	C/CDADE
CHANNEL No.	BTX		REMARKS	S/GRADE
1	83.625			
2	83.6375			
3	83.65			
4	83.6625			
5	83.675			
6	83.6875			
7	83.7			
8	83.7125			
9	83.725			
10	83.7375			
11	83.75			
12 13	83.7625 83.775			
14 15	83.7875 83.8			
16	83.8125			
17	83.825			
18	83.8375			
19	83.85			
20	83.8625			
21	83.875			
22	83.8875			
23	83.9			
24	83.9125			
25	83.925			
26	83.9375			
27	83.95			
28 29	83.9625			
29	83.975			
30	83.9875			
31 32	84 84.0125	 		-
32	84.0125 84.025		 	1
33	84.025 84.0375			l
35	84.05			1
36	84.0625	İ		1
37	84.075			
38	84.0875			
39	84.1			
40	84.1125			
41	84.125			
42	84.1375			
43	84.15			
44	84.1625			
45	84.175			
46	84.1875			
CHANNEL No.	<u>BTX</u>		REMARKS	S/GRADE
47	04.0			
47	84.2			
48 49	84.2125 84.225			
50	84.2375			
51	84.25			
52	84.2625			
53	84.275			
54	84.2875			
55	84.3			
56	84.3125			
57	84.325			
58	84.3375			
59	84.35			
60	84.3625			
61	84.375			
62	84.3875			
63	84.4			
64	84.4125			
65 66	84.425 84.4375			
67	84.45			
68	84.4625			
69	84.475			
70	84.4875			
71	84.5			
72	84.5125			
73	84.525			I
74	84.5375			
75	84.55			
76	84.5625			
77	84.575			
78	84.5875			
79	84.6		 	1
80 81	84.6125 84.625	l		-
82	84.6375	l	 	I
83	84.65			1
84	84.6625	†	<u> </u>	i
85	84.675			1
86	84.6875			
87	84.7			
88	84.7125			
89	84.725			
90	84.7375 84.75			
91	84.75			
92	84.7625			
93	84.775	ļ		
94	84.7875		 	1
95	84.8			-
96 CHANNEL No.	84.8125 RTY	 	DEMARKS	S/GPADE
CHANNEL No.	BTX	1	REMARKS	S/GRADE
97	04.005			<u> </u>
			<u> </u>	
98	84.825 84.8375			i e
	84.8375			
98 99 100	84.8375 84.85			
99 100	84.8375 84.85 84.8625			
99 100 101	84.8375 84.85 84.8625 84.875			
99 100	84.8375 84.85 84.8625 84.875 84.8875 84.9			
99 100 101 102 103 104	84.8375 84.85 84.8625 84.875 84.875 84.9 84.9125			
99 100 101 102 103 104 105	84.8375 84.85 84.8625 84.875 84.8875 84.9			
99 100 101 102 103 104 105 106	84.8375 84.85 84.8625 84.875 84.875 84.9 84.9125 84.925 84.9375			
99 100 101 102 103 104 105	84.8375 84.85 84.8625 84.875 84.8875 84.9 84.9125			
99 100 101 102 103 104 105 106 107	84.8375 84.85 84.8625 84.875 84.875 84.9 84.9125 84.925 84.9375 84.95			
99 100 101 102 103 104 105 106 107 108	84.8375 84.85 84.8625 84.875 84.875 84.9 84.9125 84.9375 84.95 84.9625 84.9625 84.975			
99 100 101 102 103 104 105 106 107 108 109 110	84.8375 84.85 84.8625 84.875 84.875 84.9125 84.9125 84.9375 84.9625 84.9625 84.9625 84.9625 84.9625			
99 100 101 102 103 104 105 106 107 108 109 110	84.8375 84.85 84.8625 84.875 84.875 84.9125 84.9125 84.925 84.9375 84.95 84.9625 84.975 84.9875			
99 100 101 102 103 104 105 106 107 108 109 110	84.8375 84.85 84.8625 84.875 84.875 84.9125 84.9125 84.9375 84.9625 84.9625 84.9625 84.9625 84.9625			

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1.1.2 Licensing information for the applicable frequency allocation

There are 11 777 Licenses issued in this band for both BTX and MTX as well as single frequency devices

1.1.3 Areas where licensed frequencies are operational.



1.2 Applicable Frequency Allocation and Band information 138 MHz to 143.6 MHz

Frequency Band under investigation 138 MHz to 143.6 MHz

FIXED

MOBILE

Frequency Sub bands

Pairings

Mobile 1 MTX 138 – 140.5 MHz paired with BTX 141.5 to 144 MHz

Single Frequency Mobile Allocations

140.5 to 141 MHz

141 - 141.5 MHz

1.2.1 Channel Plan for the Frequency Allocation

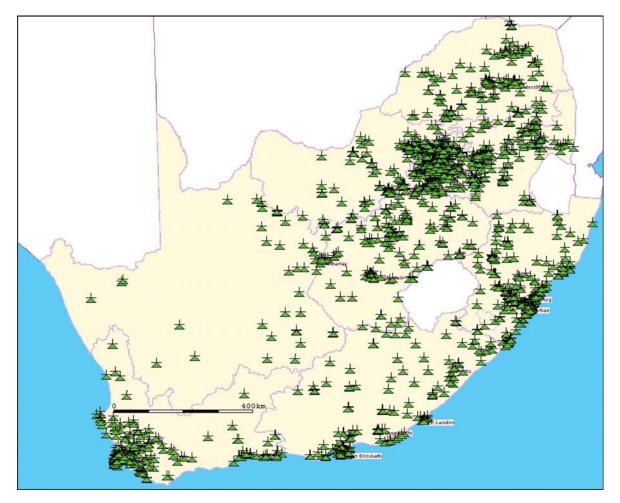
SINGLE F	REQUENCY MOB	<u>LE</u>	·
<u> CHANNI</u>		R 141 - 141.5MHz 2002 (12.5kHz)	
CH. No.	SF	REMARKS	S/Gr.
1	141	NOT AVAILABLE	NON
2	141.0125	AVAILABLE	Α
3	141.025	NOT AVAILABLE	NON
4	141.0375	AVAILABLE	С
5	141.05	NOT AVAILABLE	NON
6	141.0625	AVAILABLE	Α
7	141.075	NOT AVAILABLE	NON
8	141.0875	AVAILABLE	С
9	141.1	NOT AVAILABLE	NON
10	141.1125	AVAILABLE	Α
11	141.125	NOT AVAILABLE	NON
12	141.1375	AVAILABLE	С
13	141.15	NOT AVAILABLE	NON
14	141.1625	AVAILABLE	Α
15	141.175	NOT AVAILABLE	NON
16	141.1875	AVAILABLE	С
17	141.2	NOT AVAILABLE	NON
18	141.2125	AVAILABLE	Α
19	141.225	NOT AVAILABLE	NON
20	141.2375	AVAILABLE	С
21	141.25	NOT AVAILABLE	NON
22	141.2625	AVAILABLE	Α
23	141.275	NOT AVAILABLE	NON
24	141.2875	AVAILABLE	С
25	141.3	NOT AVAILABLE	NON
26	141.3125	AVAILABLE	Α
27	141.325	NOT AVAILABLE	NON
28	141.3375	AVAILABLE	С
29	141.35	NOT AVAILABLE	NON
30	141.3625	AVAILABLE	Α
31	141.375	NOT AVAILABLE	NON
32	141.3875	AVAILABLE	С
33	141.4	NOT AVAILABLE	NON
34	141.4125	AVAILABLE	Α
35	141.425	NOT AVAILABLE	NON
36	141.4375	AVAILABLE	С
37	141.45	NOT AVAILABLE	NON
38	141.4625	AVAILABLE	ROVIN
39	141.475	NOT AVAILABLE	NON
40	141.4875	AVAILABLE	A/C

Channel plan for SF 140.5 to 141 is similar to this channel plan.

1.2.2 Licensing information for the applicable frequency allocation

There are 2974 licenses issued in the SF band between 140.5 and 141.5 MHz.

1.2.3 Areas where licensed frequencies are operational.



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1.3 Applicable Frequency Allocation and Band information 150.05 MHz to 153.05 MHz

Frequency Band under investigation 150.05 MHz to 153.05 MHz

FIXED

MOBILE except aeronautical mobile

RADIO ASTRONOMY

Frequency Sub bands

FIXED

Single Frequency Alarms Allocations

152.05 to 152.55 MHz

MOBILE except aeronautical mobile

Alarms, Single Frequency Mobile and Load Shedding Allocations

148.950 - 151 MHz

PMR and PAMR

Paging

Government Services

Wildlife Telemetry Tracking

148-152 MHz

RADIO ASTRONOMY

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1.3.1 Channel Plan for the Frequency Allocation

HAN	NEL PLAN	FOR 148.95 - 15	1MHz 2004 (1	2.5kHz)
H. No.	SF	REMARKS	S/Gr.	
1	148.95			
3	148.9625 148.975			
4	148.9875			
5	149			
6 7	149.0125 149.025			
8	149.0375			
9	149.05			
10 11	149.0625 149.075			
12	149.0875			
13	149.1			
14 15	149.1125 149.125			
16	149.1375			
17	149.15			
18 19	149.1625 149.175			
20	149.1875			
21	149.2			
22	149.2125 149.225		 	
24	149.2375			
25	149.25			
26 27	149.2625 149.275		 	
28	149.2875			
29	149.3			
30 31	149.3125 149.325			
32	149.3375			
33	149.35			
34 35	149.3625 149.375			
36	149.3875			
37	149.4			
38 39	149.4125 149.425			
40	149.4375			
41	149.45			
42 43	149.4625 149.475			
44	149.4875			
45	149.5			
46	149.5125			
HAN	VEL PI AN	FOR 148.95 - 15	1MHz 2004 (1	2.5kHz)
H. No.	SF	REMARKS	S/Gr.	
47	149.525	TEMARKO		
48	149.525 149.5375	KEWAKKO		
48 49	149.525 149.5375 149.55	KEWATIO		
48 49 50 51	149.525 149.5375 149.55 149.5625 149.575	NEWATING		
48 49 50 51 52	149.525 149.5375 149.55 149.5625 149.575 149.5875	IX.WAINKO		
48 49 50 51 52 53	149.525 149.5375 149.55 149.5625 149.575 149.5875 149.6	NEWAYAG		
48 49 50 51 52 53 54 55	149.525 149.5375 149.55 149.5625 149.575 149.5875 149.6 149.6125	REWAVIO		
48 49 50 51 52 53 54 55 56	149.525 149.5375 149.55 149.5625 149.575 149.5875 149.6125 149.6125 149.6375	NEWWY		
48 49 50 51 52 53 54 55 56 57	149.525 149.5375 149.55 149.5625 149.575 149.5875 149.6 149.6125 149.6375 149.6375 149.65	NEWAVAG		
48 49 50 51 52 53 54 55 56 57 58 59	149.525 149.5375 149.5575 149.5625 149.575 149.6875 149.6125 149.625 149.625 149.655 149.665 149.6625 149.675	REWAVIO		
48 49 50 51 52 53 54 55 56 57 58 59 60	149.525 149.5375 149.555 149.5625 149.5875 149.5875 149.6125 149.625 149.6375 149.65 149.655 149.655 149.655 149.6575	NEWWW		
48 49 50 51 52 53 54 55 56 57 58 59 60 61	149.525 149.5375 149.5375 149.5625 149.5625 149.575 149.6 149.6 149.625 149.6375 149.65 149.655 149.655 149.675 149.6875	NEWWY		
48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63	149.525 149.5375 149.5375 149.5625 149.5625 149.576 149.6 149.6 149.6 149.6 149.6 149.6 149.6 149.6 149.6 149.6 149.6 149.6 149.6 149.6 149.6 149.6 149.6 149.7 14	NEWAVAG		
48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	149.525 149.5375 149.5625 149.5625 149.575 149.5875 149.6125 149.625 149.625 149.6375 149.65 149.6625 149.6875 149.75 149.775	NEWAVAG		
48 49 50 51 52 53 54 55 56 57 58 60 61 62 63 64 65	149.525 149.5375 149.55 149.565 149.565 149.575 149.6 149.6 149.6 149.6 149.6 149.6 149.6 149.6 149.6 149.6 149.6 149.6 149.6 149.6 149.7	NEWWW		
48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 66 67	149.525 149.525 149.55 149.5625 149.575 149.5875 149.6125 149.625 149.625 149.625 149.6625 149.6625 149.675 149.775 149.735 149.735 149.735 149.735 149.735 149.735 149.735	NEWWY		
48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	149.525 149.525 149.5625 149.5625 149.575 149.575 149.6125 149.625 149.6375 149.65 149.6525 149.6625 149.675 149.775 149.7725 149.7725 149.7725 149.775 149.775	NEWAWO		
48 49 50 51 52 53 54 55 56 57 58 60 61 62 63 64 64 65 66 67 68 69	149.525 149.525 149.5625 149.5625 149.5625 149.575 149.6875 149.625 149.625 149.6625 149.6625 149.6625 149.6675 149.725 149.725 149.725 149.725 149.725 149.725 149.755 149.765	NEWWW		
48 49 50 51 52 53 54 55 56 57 58 69 60 61 62 63 64 65 66 67 68 69 70 71	149.525 149.525 149.565 149.5625 149.5625 149.575 149.6875 149.625 149.625 149.625 149.6375 149.675 149.675 149.75 149.775 149.775 149.775 149.775 149.775 149.785 149.8125	NEWWW		
48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71	149.525 149.5375 149.555 149.5625 149.575 149.5875 149.6125 149.625 149.6375 149.6625 149.6625 149.6625 149.675 149.775 149.73 149.735 149.735 149.75 149.75 149.75 149.75 149.75 149.75 149.75 149.75 149.75 149.825 149.8375	NEWWY		
48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72	149.525 149.525 149.5625 149.5625 149.575 149.5875 149.626 149.625 149.625 149.6375 149.65 149.65 149.675 149.75 149.775 149.775 149.775 149.775 149.775 149.785 149.785 149.785 149.785 149.785 149.785 149.785 149.785 149.785 149.785 149.785 149.785 149.8375 149.8325 149.8325 149.8325 149.8375	NEWAY WO		
48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 70 71 72 73 74	149.525 149.525 149.5625 149.5625 149.575 149.5875 149.626 149.625 149.625 149.6375 149.65 149.651 149.675 149.725 149.7375 149.725 149.7375 149.75 149.75 149.75 149.75 149.75 149.75 149.75 149.75 149.8375 149.8375 149.8375 149.8375 149.8375 149.855 149.855 149.855 149.855 149.855 149.855	NEWWWW.		
48 49 50 51 52 53 54 55 56 57 58 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76	149.525 149.525 149.565 149.5625 149.575 149.5875 149.625 149.625 149.625 149.625 149.6625 149.6625 149.675 149.775 149.775 149.725 149.7875 149.7875 149.7875 149.7875 149.7875 149.7875 149.7875 149.8125 149.8375 149.8375	NEWWW		
48 49 50 51 52 53 54 55 56 67 58 60 61 62 63 64 66 67 66 67 70 71 72 73 74 75 76 77	149.525 149.525 149.5625 149.5625 149.575 149.5875 149.6125 149.625 149.625 149.6375 149.65 149.6375 149.675 149.7125 149.7125 149.775 149.775 149.775 149.785 149.785 149.785 149.785 149.785 149.785 149.785 149.785 149.785 149.8855 149.8855 149.8855 149.8855 149.8875 149.8875 149.8875	NEWWWW.		
48 49 50 51 52 53 54 55 56 57 58 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76	149.525 149.525 149.5625 149.5625 149.575 149.66125 149.6125 149.625 149.6375 149.65 149.6375 149.65 149.675 149.7125 149.7125 149.7125 149.775 149.775 149.775 149.775 149.775 149.775 149.7875 149.825 149.825 149.825 149.8375 149.8575 149.8575 149.8575 149.8575 149.8575 149.8575 149.8575 149.8575 149.875 149.875 149.8875 149.875 149.875 149.875 149.875 149.875 149.875 149.875 149.875 149.875 149.875 149.875 149.875 149.875 149.991	NEWWWW.		
48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 78 80	149.525 149.525 149.5625 149.5625 149.575 149.6875 149.626 149.625 149.625 149.625 149.6875 149.675 149.725 149.725 149.725 149.775 149.775 149.775 149.785 149.875 149.8875 149.8875 149.8875 149.89875 149.89875 149.89875	NEWWW O		
48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 78 80 81	149.525 149.5375 149.5625 149.5625 149.575 149.5875 149.6125 149.625 149.6375 149.65 149.6375 149.65 149.65 149.675 149.7125 149.77 149.77 149.7725 149.775 149.775 149.775 149.775 149.775 149.775 149.775 149.775 149.775 149.775 149.775 149.775 149.775 149.775 149.875 149.875 149.875 149.8875 149.8875 149.8875 149.875 149.975 149.975 149.975	NEWWWW.		
48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 66 67 68 69 70 71 72 73 74 75 76 77 78 80	149.525 149.525 149.5625 149.5625 149.575 149.6875 149.626 149.625 149.625 149.625 149.6875 149.675 149.725 149.725 149.725 149.775 149.775 149.775 149.785 149.875 149.8875 149.8875 149.8875 149.89875 149.89875 149.89875	TEWAY CO		
48 49 50 51 52 53 54 55 56 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 84 85 86 86 87 87 87 88 88 88 88 88 88 88	149.525 149.525 149.5625 149.5625 149.575 149.5875 149.626 149.626 149.6375 149.65 149.65 149.65 149.65 149.675 149.725 149.7375 149.7375 149.7375 149.75 149.785 149.825 149.8375 149.8375 149.8375 149.8375 149.855 149.855 149.8575 149.8575 149.875 149.875 149.875 149.875 149.875 149.875 149.875 149.875 149.875 149.875 149.9875 149.9975 149.9975 149.9875	NEWWWO		
48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 83 84 85 86 86 86 87 87 87 87 88 88 88 88 88 88	149.525 149.525 149.5625 149.5625 149.575 149.6875 149.6875 149.625 149.625 149.6375 149.65 149.6625 149.6625 149.675 149.725 149.725 149.725 149.725 149.7875 149.7875 149.8125 149.8375 149.8125 149.825 149.8375 149.825 149.8375 149.825 149.825 149.8375 149.875 149.875 149.875 149.875 149.875 149.875 149.875 149.875 149.875 149.875 149.875 149.875 149.875 149.9825 149.925 149.925 149.925 149.9375 149.9625 149.975 149.9875	NEWWWO		
48 49 50 51 52 53 54 55 56 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 78 78 79 80 81 82 83 84 84 85 86 86 87 87 87 88 88 88 88 88 88 88	149.525 149.525 149.5625 149.5625 149.575 149.5875 149.626 149.626 149.626 149.6375 149.65 149.65 149.65 149.675 149.725 149.775 149.7125 149.725 149.725 149.7875 149.7875 149.825 149.8375 149.8375 149.8375 149.855 149.855 149.855 149.855 149.855 149.855 149.855 149.875 149.995 149.975 149.975 149.975 149.975 149.975 149.9875	NEWWWW.		
48 49 49 50 51 52 53 54 55 56 66 57 58 69 60 61 62 63 64 65 66 67 71 72 73 74 75 76 78 79 80 80 81 82 83 84 85 86 87	149.525 149.525 149.5625 149.5625 149.575 149.5875 149.625 149.625 149.625 149.6375 149.651 149.651 149.6525 149.6375 149.675 149.7125 149.7125 149.7125 149.776 149.7875 149.7875 149.7875 149.8575 149.8575 149.8575 149.8575 149.8575 149.8575 149.8575 149.8575 149.8575 149.8575 149.8575 149.875 149.875 149.99125 149.9375 149.99125 149.99125 149.9975 149.9951 149.9951 149.9951 149.9875 149.9875 149.9875 149.9875 149.9875 149.9875 149.9875 149.9875 149.9875 149.9875 149.9875 149.9875 149.9875 149.9875 149.9875 149.9875	NEWWWO		
48 49 49 50 51 52 53 54 55 56 56 60 61 62 63 63 64 65 66 67 77 77 78 80 81 82 83 84 85 86 87 78 88 89 89	149.525 149.525 149.5675 149.5625 149.5675 149.5875 149.626 149.626 149.626 149.627 149.627 149.627 149.627 149.725 149.725 149.725 149.775 149.775 149.7875 149.8875 149.8875 149.8875 149.8975 149.8975 149.99125 149.99125 149.995 149.995 149.995 149.995 149.995 149.995 149.995 149.995 149.995 149.995 149.995 149.995 149.995 149.995 149.995 149.995 149.9975 149.995 149.9975 149.975 149.995 149.9975 150.0125 150.025	NEWWWO		
48 49 49 50 51 52 53 54 55 66 67 68 69 77 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 88 89 90	149.525 149.525 149.5625 149.5625 149.5625 149.6125 149.625 149.625 149.625 149.6375 149.65 149.6375 149.65 149.675 149.7125 149.7725 149.7725 149.7725 149.775 149.775 149.775 149.775 149.825 149.925 149.925 149.925 149.9375 149.975 150.025	TEWAY WO		
48 49 50 51 51 52 52 53 54 55 56 57 56 56 66 66 67 68 68 67 77 77 78 79 80 61 62 62 63 64 64 65 66 68 67 68 68 68 68 68 68 68 69 69 69 69 69 69 69 69 69 69 69 69 69	149.525 149.525 149.5625 149.5625 149.575 149.66125 149.6125 149.625 149.625 149.6375 149.65 149.6375 149.65 149.675 149.7125 149.7125 149.775 149.775 149.775 149.775 149.7875 149.825 149.825 149.825 149.825 149.825 149.8375 149.825 149.8375 149.865 149.865 149.875 149.875 149.875 149.875 149.875 149.875 149.875 149.991 149.9125 149.9375 149.9375 149.9375 149.9375 149.95 149.9375 149.95 149.9575 149.9575 149.9575 149.9575 150.0375 150.0625 150.0625	TEWAY CO		
48 48 49 49 49 49 49 49 49 49 49 49 49 49 49	149.525 149.525 149.5675 149.5625 149.5675 149.6875 149.6875 149.6125 149.625 149.625 149.626 149.6375 149.675 149.675 149.725 149.725 149.725 149.775 149.775 149.785 149.8125 149.825 149.8375 149.825 149.8375 149.85 149.85 149.85 149.85 149.85 149.85 149.85 149.95 149.975 149.975 149.975 149.975 149.975 149.975 149.975 149.99125 149.99125 149.9925 149.9975 149.975 150.0125 150.025 150.0625	TEWAY WO		
48 49 49 50 51 52 53 54 55 56 56 66 67 68 69 70 71 72 73 75 76 76 80 81 82 83 84 85 86 87 88 99 90 91	149.525 149.525 149.5625 149.5625 149.575 149.66125 149.6125 149.625 149.625 149.6375 149.65 149.6375 149.65 149.675 149.7125 149.7125 149.775 149.775 149.775 149.775 149.7875 149.825 149.825 149.825 149.825 149.825 149.8375 149.825 149.8375 149.865 149.865 149.875 149.875 149.875 149.875 149.875 149.875 149.875 149.991 149.9125 149.9375 149.9375 149.9375 149.9375 149.95 149.9375 149.95 149.9575 149.9575 149.9575 149.9575 150.0375 150.0625 150.0625	NEWWW C		

CHANI	NEL PLAN	FOR 148.95 - 15	51MHz 2004
CH. No.	SF	REMARKS	S/Gr.
94	150.1125		
95	150.125		
96	150.1375		
97	150.15		
98	150.1625		
99 100	150.175 150.1875		
100	150.1875		
102	150.2125		
103	150.225		
104	150.2375		
105	150.25		
106	150.2625		
107	150.275		
108	150.2875		
109 110	150.3		
111	150.3125 150.325		
112	150.3375		
113	150.35		
114	150.3625		
115	150.375		
116	150.3875		
117	150.4	-	
118	150.4125		1
119	150.425		
120	150.4375		
121 122	150.45 150.4625		
123	150.475		
124	150.4875		
125	150.5		
126	150.5125		
127	150.525		
128	150.5375		
129	150.55		
130	150.5625		
131 132	150.575 150.5875		
133	150.6		
134	150.6125		
135	150.625		
136	150.6375		
137	150.65		
138	150.6625		
139	150.675		
140 141	150.6875		
141	150.7		
CHANI		FOR 148.95 - 15	54N4Ll= 2004
CH. No.	SF 150.7125	REMARKS	S/Gr.
142	150.7125		+
144	150.725		+
145	150.75		1
146	150.7625		
147	150.775		
148	150.7875		
149	150.8		4
150	150.8125		1
151 152	150.825 150.8375		+
153	150.85		+
154	150.8625		†
155	150.875		
156	150.8875		
157	150.9		
158	150.9125		1
159	150.925		+
160	150.9375		+
161 162	150.95 150.9625		+
163	150.9625		+
164	150.9875		

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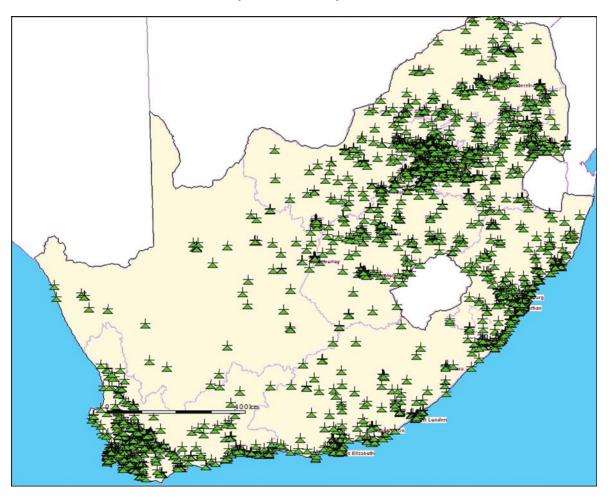
VHF-HI	GH BAND SIM	PLEX FREQUENCIES	
CHVVIVI	EL DIAN EOD	R 151 - 152.05MHz 2007	
CH. No.	SF	REMARKS	S/Gr.
1	151	THE WATER	0,0
2	151.0125		
3 4	151.025		
5	151.0375 151.05		_
6	151.0625		
7	151.075		
8	151.0875		
9 10	151.1 151.1125		_
11	151.1125		
12	151.1375		
13	151.15		
14	151.1625		
15 16	151.175 151.1875		_
17	151.2		
18	151.2125		
19	151.225		
20 21	151.2375 151.25		
22	151.2625		_
23	151.275		
24	151.2875		
25	151.3		\rightarrow
26 27	151.3125 151.325		+
28	151.3375		
29	151.35		
30	151.3625		
31 32	151.375 151.3875		_
33	151.3673		
34	151.4125		
35	151.425		
36	151.4375		
37 38	151.45 151.4625		_
39	151.475		
40	151.4875		
41	151.5		
42	151.5125		
43 44	151.525 151.5375		
45	151.55		
46	151.5625		
		<u> </u>	_
		R 151 - 152.05MHz 2007	
CH. No.	SF 454.575	REMARKS	S/Gr.
47 48	151.575 151.5875		_
49	151.6		
50	151.6125		
51	151.625		
52	151.6375 151.65		+
53 54	151.6625		+
55	151.675		
56	151.6875		
57	151.7		-
58 59	151.7125 151.725		-
60	151.725		-
61	151.75		
62	151.7625		
63	151.775		
64 65	151.7875 151.8		-
66	151.8125		
67	151.825		
68	151.8375		
69 70	151.85		_
	151.8625 151.875		+
	151.8875		-
71 72			
71	151.9		
71 72 73 74	151.9125		
71 72 73 74 75	151.9125 151.925		
71 72 73 74 75 76	151.9125 151.925 151.9375		
71 72 73 74 75 76 77	151.9125 151.925 151.9375 151.95		
71 72 73 74 75 76	151.9125 151.925 151.9375		
71 72 73 74 75 76 77 78 79	151.9125 151.925 151.9375 151.95 151.9625 151.975 151.9875		
71 72 73 74 75 76 77 78 79 80 81	151.9125 151.925 151.9375 151.95 151.9625 151.975 151.9875 152		
71 72 73 74 75 76 77 78 79	151.9125 151.925 151.9375 151.95 151.9625 151.975 151.9875		

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1.3.2 Licensing information for the applicable frequency allocation

There are 5 516 Licenses issued in this band for different single frequency devices

1.3.3 Areas where licensed frequencies are operational.



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1.4 Applicable Frequency Allocation and Band information 156.4785 to 156.5625 MHz

156.4785 MHz to 156.5625 MHz

MARITIME MOBILE (distress and calling DCS)

FIXED

LAND MOBILE

Maritime mobile distress, safety and calling frequency 156.525 MHz for maritime mobile VHF radio telephone service using DSC

The bands 156.4875 to 156.5125 MHz and 156.5375 to 156.5625 MHz may also be used for land mobile services while protecting the maritime mobile service. Single frequency mobile (156.375 to 156.7625)

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1.4.1 Channel Plan for the Frequency Allocation

(Mobile 3) HIGH-BAND DUPLEX FREQUENCIES

CHANNE	_ PLAN FO	R 156 - 156	6.875_160.6 - 160.975M	Hz 2007 (12.5kHz)
CHANNEL No.	BTX	MTX	REMARKS	S/GRADE
31 17 (1 VI VEE 1 VO.	<u>517.</u>	<u>11173</u>	TALIVI HATO	OFOTOTOL
1	156	160.6	MARITIME SEE ITU AP 18-3	
2	156.025	160.625	MARITIME SEE ITU AP 18-3	
3	156.05	160.65	MARITIME SEE ITU AP 18-3	
4	156.075	160.675	MARITIME SEE ITU AP 18-3	
5	156.1	160.7	MARITIME SEE ITU AP 18-3	
6	156.125	160.725	MARITIME SEE ITU AP 18-3	
7	156.15	160.75	MARITIME SEE ITU AP 18-3	
8	156.175	160.775	MARITIME SEE ITU AP 18-3	
9	156.2	160.8	MARITIME SEE ITU AP 18-3	
10	156.225	160.825	MARITIME SEE ITU AP 18-3	
11	156.25	160.85	MARITIME SEE ITU AP 18-3	
12	156.275	160.875	MARITIME SEE ITU AP 18-3	
13	156.3	160.9	MARITIME SEE ITU AP 18-3	
14	156.325	160.925	MARITIME SEE ITU AP 18-3	
15	156.35	160.95	MARITIME SEE ITU AP 18-3	
16	156.375		MARITIME SEE ITU AP 18-3	
17	156.4		MARITIME SEE ITU AP 18-3	
18	156.425		MARITIME SEE ITU AP 18-3	
19	156.45		MARITIME SEE ITU AP 18-3	
20	156.475		MARITIME SEE ITU AP 18-3	
21	156.5		MARITIME SEE ITU AP 18-3	
22	156.525		MARITIME SEE ITU AP 18-3	
23	156.55		MARITIME SEE ITU AP 18-3	
24	156.575		MARITIME SEE ITU AP 18-3	
25	156.6		MARITIME SEE ITU AP 18-3	
26	156.625		MARITIME SEE ITU AP 18-3	
27	156.65		MARITIME SEE ITU AP 18-3	
28	156.675		MARITIME SEE ITU AP 18-3	
29	156.7		MARITIME SEE ITU AP 18-3	
30	156.725		MARITIME SEE ITU AP 18-3	
31	156.75		MARITIME SEE ITU AP 18-3	
32	156.7625		MARITIME SEE ITU AP 18-3	
33	156.7875		MARITIME SEE ITU AP 18-3	
34	156.8		MARITIME SEE ITU AP 18-3	
35	156.825		MARITIME SEE ITU AP 18-3	
36	156.8375		MARITIME SEE ITU AP 18-3	
37	156.8625		MARITIME SEE ITU AP 18-3	

1.4.2 Licensing information for the applicable frequency allocation

There are 21 Licenses issued in this band for both BTX and MTX as well as single frequency devices

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1.4.3 Areas where licensed frequencies are operational.



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1.5 Applicable Frequency Allocation and Band information 380 MHz to 400 MHz

Frequency Band under investigation 380 MHz to 400 MHz

388 to 390 MHz

MOBILE

Mobile-Satellite (space to Earth)

PMR and/or PAMR

Frequency Sub bands

Pairings

Mobile 1 MTX 380 – 387 MHz paired with BTX 390 to 397 MHz (Digital Trunking)

Mobile 2 MTX 387 – 390 MHz paired with BTX 397 to 399.9 MHz (PMR and/or PAMR)

390 to 399.9 MHz

MOBILE

Emergency: 390 to 397 MHz paired with 380 to 387 (PPDR)

Government Services - PMR and/or PAMR: 397 to 399.9 MHz paired with 387 to 390

MHz

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1.5.1 Channel Plan for the Frequency Allocation

	N FOR 390		380-389.9875MHz 2006
CH. No.	BTX	MTX	REMARKS
0	390 390.025	380 380.025	SAPS DMO 1
2	390.05	380.05	
3	390.075	380.075 380.1	SAPS DMO 1
5	390.1 390.125	380.125	SAPS DMO 1
6	390.15	380.15	
7	390.175	380.175	SAPS DMO 1
9	390.2 390.225	380.2 380.225	SAPS DMO 1
10	390.25	380.25	
11	390.275	380.275 380.3	SAPS DMO 1
12 13	390.3 390.325	380.325	SAPS DMO 1
14	390.35	380.35	
15	390.375	380.375	SAPS DMO 1
16 17	390.4 390.425	380.4 380.425	SAPS DMO 1
18	390.45	380.45	
19	390.475	380.475	SAPS DMO 1
20 21	390.5 390.525	380.5 380.525	TETRA SAPS TETRA SAPS
22	390.55	380.55	TETRA SAPS
23	390.575	380.575	TETRA SAPS
24 25	390.6 390.625	380.6 380.625	TETRA SAPS TETRA SAPS
26	390.65	380.65	TETRA SAPS
27	390.675	380.675	TETRA SAPS
28 29	390.7 390.725	380.7 380.725	TETRA SAPS TETRA SAPS
30	390.75	380.75	TETRA SAPS
31	390.775	380.775	TETRA SAPS
32 33	390.8 390.825	380.8 380.825	TETRA SAPS TETRA SAPS
34	390.85	380.85	TETRA SAPS
35	390.875	380.875	TETRA SAPS
36 37	390.9 390.925	380.9 380.925	TETRA SAPS TETRA SAPS
38	390.95	380.95	TETRA SAPS
39	390.975	380.975	TETRA SAPS
40 41	391 391.025	381 381.025	TETRA SAPS TETRA SAPS
42	391.05	381.05	TETRA SAPS
43	391.075	381.075	TETRA SAPS
CH. No.	N FOR 390	мтх -399.9875	REMARKS 380-389.9875MHz 2006
CH PLA CH. No. 45			380-389.9875MHz 2006 REMARKS TETRA SAPS
CH PLA CH. No. 45 46	N FOR 390- BTX 391.1 391.125	-399.9875_ MTX 381.1 381.125	380-389.9875MHz 2006 REMARKS TETRA SAPS TETRA SAPS
CH PLA CH. No. 45	N FOR 390- BTX 391.1 391.125 391.15	-399.9875 MTX 381.1 381.125 381.15	380-389.9875MHz 2006 REMARKS TETRA SAPS TETRA SAPS TETRA SAPS
CH PLA CH. No. 45 46 47	N FOR 390- BTX 391.1 391.125	-399.9875_ MTX 381.1 381.125	380-389.9875MHz 2006 REMARKS TETRA SAPS TETRA SAPS
CH PLA CH. No. 45 46 47 48 49 50	BTX 391.1 391.125 391.175 391.2 391.23	-399.9875 MTX 381.1 381.125 381.175 381.175 381.2 381.225	380-389.9875MHz 2006 REMARKS TETRA SAPS
CH PLA CH. No. 45 46 47 48 49 50 51	N FOR 390- BTX 391.1 391.125 391.15 391.175 391.2	-399.9875 MTX 381.1 381.125 381.15 381.175 381.2	380-389.9875MHz 2006 REMARKS TETRA SAPS
CH PLA CH. No. 45 46 47 48 49 50	BTX 391.1 391.125 391.175 391.175 391.25 391.25 391.25 391.25 391.275	-399.9875 MTX 381.1 381.125 381.125 381.175 381.2 381.25 381.26 381.27 381.27 381.28	380-389.9875MHz 2006 REMARKS TETRA SAPS
CH PLA CH. No. 45 46 47 48 49 50 51 52 53 54	BTX 391.1 391.125 391.175 391.25 391.25 391.25 391.25 391.25 391.325	-399.9875 MTX 381.125 381.125 381.15 381.175 381.2 381.25 381.25 381.275 381.3 381.325	380-389.9875MHz 2006 REMARKS TETRA SAPS
CH PLA CH. No. 45 46 47 48 49 50 51 52 53	BTX 391.1 391.125 391.175 391.25 391.225 391.225 391.25 391.3 391.33 391.325	-399.9875 MTX 381.1 381.125 381.175 381.25 381.25 381.25 381.25 381.25 381.35 381.35	380-389.9875MHz 2006 REMARKS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS
CH PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57	BTX 391.1 391.125 391.15 391.175 391.225 391.225 391.275 391.33 391.325 391.35 391.35 391.35	-399.9875 MTX 381.1 381.125 381.15 381.275 381.26 381.275 381.3 381.35 381.35 381.35 381.35 381.35	380-389.9875MHz 2006 REMARKS IETRA SAPS
CH PLA CH. No. 45 46 47 48 49 50 51 52 53 54 56 57 58	BTX 391.1 391.125 391.175 391.27 391.225 391.25 391.25 391.25 391.35 391.35 391.35 391.35 391.425	399.9875 MTX 381.1 381.125 381.155 381.175 381.2 381.25 381.25 381.275 381.3 381.35 381.35 381.375 381.34	380-389.9875MHz 2006 REMARKS TETRA SAPS
CH PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57	BTX 391.1 391.125 391.15 391.175 391.225 391.225 391.275 391.33 391.325 391.35 391.35 391.35	-399.9875 MTX 381.1 381.125 381.15 381.275 381.26 381.275 381.3 381.35 381.35 381.35 381.35 381.35	380-389.9875MHz 2006 REMARKS TETRA SAPS
CH PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 60 61	BTX 391.1 391.125 391.15 391.175 391.25 391.275 391.275 391.375 391.375 391.375 391.375 391.375 391.43 391.45 391.45 391.45	-399.9875 MTX 381.1 381.125 381.15 381.175 381.25 381.25 381.275 381.35 381.35 381.35 381.35 381.35 381.44 381.45 381.45 381.45 381.45	380-389.9875MHz 2006 REMARKS TETRA SAPS
CH PLA CH. No. 45 46 47 48 49 50 51 51 52 53 54 55 56 57 58 60 61 62	BTX 391.1 391.125 391.175 391.25 391.275 391.3 391.35 391.35 391.35 391.35 391.475 391.475 391.475 391.475 391.525	-399.9875 MTX 381.1 381.125 381.155 381.175 381.25 381.25 381.25 381.25 381.25 381.37 381.3 381.35 381.35 381.35 381.475 381.475 381.475 381.475 381.525	380-389.9875MHz 2006 REMARKS TETRA SAPS
CH PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 60 61	BTX 391.1 391.125 391.15 391.175 391.25 391.275 391.275 391.375 391.375 391.375 391.375 391.375 391.43 391.45 391.45 391.45	-399.9875 MTX 381.1 381.125 381.15 381.175 381.25 381.25 381.275 381.35 381.35 381.35 381.35 381.35 381.44 381.45 381.45 381.45 381.45	380-389.9875MHz 2006 REMARKS TETRA SAPS
CH PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 67 57 60 61 62 63 64 65	N FOR 390- BTX 391.1 391.125 391.175 391.175 391.25 391.25 391.275 391.275 391.325 391.35 391.35 391.475 391.475 391.475 391.475 391.525 391.525 391.525	-399.9875 MTX 381.1 381.125 381.155 381.175 381.25 381.25 381.25 381.25 381.35 381.35 381.35 381.375 381.4 381.425 381.475 381.475 381.475 381.55 381.55 381.55 381.575 381.575 381.575	REMARKS TETRA SAPS
CH. PLA CH. No. 45 46 47 48 49 50 51 52 53 54 54 55 56 57 58 60 61 62 63 64 65 66	N FOR 390- BTX 391.1 391.125 391.175 391.275 391.225 391.275 391.325 391.375 391.34 391.45 391.45 391.45 391.525 391.525 391.525 391.525 391.525 391.525 391.525 391.525 391.625	-399.9875 MTX 381.1 381.125 381.15 381.175 381.25 381.25 381.275 381.275 381.3 381.35 381.35 381.35 381.375 381.45 381.45 381.45 381.55 381.55 381.575 381.575 381.625	380-389.9875MHz 2006 REMARKS TETRA SAPS
CH PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 67 57 60 61 62 63 64 65	BTX 391.1 391.125 391.175 391.25 391.275 391.3 391.35 391.35 391.35 391.35 391.35 391.45 391.475 391.525 391.525 391.525 391.525 391.525 391.525 391.525 391.525 391.525 391.525 391.65	399.9875 MTX 381.1 381.125 381.155 381.175 381.25 381.25 381.25 381.25 381.35 381.35 381.35 381.35 381.475 381.4 381.475 381.55 381.55 381.55 381.55 381.65	380-389.9875MHz 2006 REMARKS TETRA SAPS
CH PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	BTX 391.1 391.125 391.175 391.25 391.275 391.25 391.275 391.3 391.325 391.35 391.35 391.475 391.475 391.475 391.525 391.575 391.625 391.625 391.675 391.65	-399.9875 MTX 881.1 381.125 381.15 381.175 381.25 381.25 381.25 381.25 381.25 381.37 381.35 381.35 381.35 381.475 381.4 381.475 381.525 381.575 381.63 381.63 381.655 381.655 381.655	REMARKS TETRA SAPS
CH PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 67 68 68 69 70	BTX 391.1 391.125 391.15 391.175 391.275 391.275 391.275 391.325 391.375 391.4 391.45 391.45 391.45 391.45 391.55 391.55 391.55 391.55 391.675 391.65 391.675 391.675 391.675	-399.9875 MTX 381.1 381.125 381.15 381.175 381.25 381.25 381.275 381.32 381.325 381.35 381.375 381.43 381.45 381.45 381.45 381.45 381.55 381.55 381.575 381.675 381.63	REMARKS TETRA SAPS
CH PLA CH. No. 45 46 47 48 49 50 61 52 53 54 55 56 57 58 60 61 62 63 64 65 66 67 68	BTX 391.1 391.125 391.175 391.25 391.275 391.25 391.275 391.3 391.325 391.35 391.35 391.475 391.475 391.475 391.525 391.575 391.625 391.625 391.675 391.65	-399.9875 MTX 881.1 381.125 381.15 381.175 381.25 381.25 381.25 381.25 381.25 381.37 381.35 381.35 381.35 381.475 381.4 381.475 381.525 381.575 381.63 381.63 381.655 381.655 381.655	REMARKS TETRA SAPS
CH. PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 60 61 62 63 64 65 66 67 68 69 70 71 72 73	BTX 391.1 391.125 391.175 391.25 391.275 391.275 391.3 391.3 391.325 391.35 391.35 391.4 391.45 391.45 391.575 391.5 391.625 391.575 391.675 391.675 391.725 391.725 391.725 391.725 391.725	-399.9875 MTX 381.1 381.125 381.15 381.275 381.25 381.25 381.275 381.3 381.325 381.35 381.375 381.45 381.45 381.45 381.45 381.575 381.5 381.575 381.625 381.675 381.625 381.675 381.75 381.75 381.75	380-389.9875MHz 2006 REMARKS IETRA SAPS
CH PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 66 67 68 69 70 71 72 73 74	BTX 391.1 391.125 391.15 391.15 391.275 391.28 391.275 391.275 391.375 391.375 391.375 391.4 391.45 391.45 391.45 391.45 391.45 391.46 391.57 391.57 391.77 391.75 391.75 391.75 391.75 391.625 391.65 391.65 391.75 391.75 391.75 391.75 391.75 391.75 391.75 391.775 391.775 391.775 391.775	-399.9875 MTX 381.125 381.15 381.175 381.25 381.25 381.25 381.275 381.325 381.375 381.375 381.375 381.4 381.45 381.45 381.45 381.45 381.45 381.55 381.575 381.575 381.6 381.65 381.675 381.775 381.775 381.775 381.775 381.775 381.775 381.775 381.775 381.775 381.775 381.775 381.775 381.775	REMARKS TETRA SAPS
CH PLA CH. No. 45 46 47 48 49 49 50 61 52 53 54 55 56 67 68 69 70 71 72 73 74 75	BTX 391.1 391.125 391.175 391.25 391.275 391.25 391.275 391.35 391.35 391.35 391.35 391.35 391.476 391.45 391.475 391.525 391.575 391.625 391.675 391.675 391.85	-399.9875 MTX 381.1 381.125 381.15 381.275 381.25 381.25 381.275 381.3 381.325 381.35 381.375 381.45 381.45 381.45 381.45 381.575 381.5 381.575 381.625 381.675 381.625 381.675 381.75 381.75 381.75	380-389.9875MHz 2006 REMARKS TETRA SAPS
CH PLA CH. No. 45 45 48 49 49 50 51 52 53 54 55 56 67 58 69 60 61 62 63 64 65 66 67 68 69 69 70 71 72 73 74 75 76	N FOR 390- BTX 391.1 391.125 391.15 391.175 391.25 391.25 391.275 391.325 391.375 391.4 391.325 391.475 391.45 391.45 391.525 391.525 391.675 391.675 391.625 391.675 391.775 391.775 391.775 391.775 391.775 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825	-399.9875 MTX 381.1 381.125 381.15 381.175 381.25 381.25 381.25 381.275 381.3 381.325 381.35 381.35 381.35 381.35 381.45 381.45 381.45 381.45 381.55 381.675 381.675 381.675 381.675 381.775 381.775 381.775 381.775	380-389.9875MHz 2006 REMARKS IETRA SAPS
CH PLA CH. No. 45 46 47 48 49 49 50 51 52 53 54 55 56 67 68 69 70 71 72 73 74 75 76 77 78	N FOR 390- BTX 391.1 391.125 391.15 391.175 391.225 391.275 391.275 391.37 391.325 391.37 391.34 391.425 391.45 391.45 391.575 391.625 391.575 391.625 391.675 391.775 391.775 391.775 391.775 391.775 391.775 391.825 391.775 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825	-399.9875 MTX 381.1 381.125 381.15 381.175 381.25 381.25 381.25 381.25 381.35 381.35 381.35 381.45 381.45 381.45 381.45 381.55 381.65 381.65 381.675 381.77 381.775 381.775 381.775 381.775 381.775 381.775 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85	380-389.9875MHz 2006 REMARKS IETRA SAPS
CH PLA CH. No. 45 45 48 49 49 50 51 52 53 54 55 56 67 58 69 60 61 62 63 64 65 66 67 68 69 69 70 71 72 73 74 75 76	N FOR 390- BTX 391.1 391.125 391.15 391.175 391.25 391.25 391.275 391.325 391.375 391.4 391.325 391.475 391.45 391.45 391.525 391.525 391.675 391.675 391.625 391.675 391.775 391.775 391.775 391.775 391.775 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825	-399.9875 MTX 381.1 381.125 381.15 381.175 381.25 381.25 381.25 381.275 381.3 381.325 381.35 381.35 381.35 381.35 381.45 381.45 381.45 381.45 381.55 381.675 381.675 381.675 381.675 381.775 381.775 381.775 381.775	380-389.9875MHz 2006 REMARKS IETRA SAPS
CH PLA CH. No. 45 46 47 48 49 50 51 52 53 54 65 66 67 68 69 67 68 69 70 71 72 73 74 75 77 78 80	N FOR 390- BTX 391.1 391.125 391.15 391.175 391.275 391.275 391.275 391.325 391.375 391.4 391.425 391.45 391.45 391.45 391.45 391.45 391.45 391.52 391.55 391.55 391.57 391.6 391.67 391.775 391.825 391.775 391.775 391.775 391.775 391.775 391.775 391.825 391.825 391.825 391.935 391.935	-399.9875 MTX 381.1 381.125 381.15 381.175 381.25 381.25 381.275 381.275 381.37 381.325 381.375 381.375 381.4 381.475 381.45 381.475 381.5 381.55 381.575 381.675 381.675 381.775 381.775 381.775 381.775 381.775 381.775 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85	380-389.9875MHz 2006 REMARKS TETRA SAPS
CH PLA CH. No. 45 47 48 49 50 51 52 53 54 55 56 56 66 67 68 69 70 71 72 73 74 75 76 77 78 80 81	N FOR 390- BTX 391.1 391.125 391.175 391.25 391.25 391.25 391.25 391.37 391.3 391.325 391.37 391.4 391.45 391.45 391.45 391.55 391.57 391.5 391.625 391.675 391.675 391.675 391.775 391.75 391.75 391.75 391.75 391.75 391.75 391.75 391.75 391.75 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.825 391.925 391.925 391.925	-399.9875 MTX 381.1 381.125 381.15 381.175 381.25 381.25 381.275 381.275 381.35 381.375 381.44 381.45 381.45 381.575 381.625 381.655 381.675 381.675 381.75 381.75 381.75 381.81 381.75 381.81 381.81	380-389.9875MHz 2006 REMARKS IETRA SAPS IE
CH PLA CH. No. 45 46 47 48 49 50 51 52 53 54 65 66 67 68 69 67 68 69 70 71 72 73 74 75 77 78 80	N FOR 390- BTX 391.1 391.125 391.15 391.175 391.275 391.275 391.275 391.325 391.375 391.4 391.425 391.45 391.45 391.45 391.45 391.45 391.45 391.52 391.57 391.5 391.52 391.57 391.77 391.72 391.725 391.825 391.935 391.935	-399.9875 MTX 381.1 381.125 381.15 381.175 381.25 381.25 381.275 381.275 381.37 381.325 381.375 381.375 381.4 381.475 381.45 381.475 381.5 381.55 381.575 381.675 381.675 381.775 381.775 381.775 381.775 381.775 381.775 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85 381.85	380-389.9875MHz 2006 REMARKS TEITRA SAPS
CH PLA CH. No. 45 46 47 48 49 49 50 51 52 53 54 55 56 67 58 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84	N FOR 390- BTX 391.1 391.125 391.125 391.15 391.275 391.275 391.275 391.275 391.375 391.375 391.375 391.4 391.45 391.45 391.45 391.45 391.45 391.52 391.52 391.575 391.62 391.575 391.62 391.575 391.62 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.775 391.79 391.925 391.975 391.975 391.975 391.975 391.975 391.975 391.975 391.975 391.975 391.975 391.975 391.975 391.975	-399.9875 MTX 881.1 381.125 381.15 381.15 381.175 381.25 381.25 381.275 381.325 381.375 381.375 381.375 381.4 381.45 381.45 381.45 381.45 381.475 381.5 381.5 381.5 381.5 381.75 381.75 381.85 381.65 381.65 381.675 381.75 381.75 381.75 381.75 381.75 381.75 381.75 381.85 381.95 381.95 381.95 381.95 381.95 381.95 381.95 381.95 381.95 381.95 381.95 381.95 381.95 381.95	REMARKS TETRA SAPS
CH PLA CH. No. 45 45 48 49 49 50 51 52 53 64 55 56 66 67 68 69 69 70 71 72 73 74 75 76 77 78 80 80 81 81 82 83 84	N FOR 390- BTX 391.1 391.125 391.15 391.175 391.25 391.25 391.275 391.25 391.325 391.375 391.4 391.325 391.44 391.45 391.45 391.45 391.45 391.525 391.675 391.675 391.675 391.625 391.675 391.625 391.675 391.725 391.83 391.825 391.875 391.875 391.875 391.875 391.891.93 391.925 391.9391.9391.9391.9391.9391.9391.9391.	-399.9875 MTX 381.1 381.125 381.15 381.175 381.25 381.25 381.25 381.25 381.35 381.35 381.375 381.45 381.45 381.55 381.575 381.675 381.675 381.675 381.75 381.875 381.875 381.875 381.875 381.93	REMARKS TETRA SAPS
CH PLA CH. No. 45 46 47 48 49 49 50 51 52 53 54 55 56 67 58 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84	N FOR 390- BTX 391.1 391.125 391.125 391.15 391.275 391.275 391.275 391.275 391.375 391.375 391.375 391.4 391.45 391.45 391.45 391.45 391.45 391.52 391.52 391.575 391.62 391.575 391.62 391.575 391.62 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.65 391.775 391.79 391.925 391.975 391.975 391.975 391.975 391.975 391.975 391.975 391.975 391.975 391.975 391.975 391.975 391.975	-399.9875 MTX 881.1 381.125 381.15 381.15 381.175 381.25 381.25 381.275 381.325 381.375 381.375 381.375 381.4 381.45 381.45 381.45 381.45 381.475 381.5 381.5 381.5 381.5 381.75 381.75 381.85 381.65 381.65 381.675 381.75 381.75 381.75 381.75 381.75 381.75 381.75 381.85 381.95 381.95 381.95 381.95 381.95 381.95 381.95 381.95 381.95 381.95 381.95 381.95 381.95 381.95	REMARKS TETRA SAPS

CH. No.	BTX	-533.3075_ MTX	_380-389.9875MHz 2006 REMARKS
90	392.225	382.225	TETRA SAPS
91	392.25	382.25	TETRA SAPS
92	392.275	382.275	TETRA SAPS
93	392.3	382.3	TETRA SAPS
94	392.325	382.325	TETRA SAPS
95 96	392.35 392.375	382.35 382.375	TETRA SAPS TETRA SAPS
97	392.4	382.4	TETRA SAPS
98	392.425	382.425	TETRA SAPS
99	392.45	382.45	TETRA SAPS
100	392.475	382.475	TETRA SAPS
101	392.5	382.5	TETRA SAPS
102	392.525	382.525	TETRA SAPS
103 104	392.55 392.575	382.55 382.575	TETRA SAPS TETRA SAPS
105	392.6	382.6	TETRA SAPS
106	392.625	382.625	TETRA SAPS
107	392.65	382.65	TETRA SAPS
108	392.675	382.675	TETRA SAPS
109	392.7	382.7	TETRA SAPS
110	392.725	382.725	TETRA SAPS
111 112	392.75 392.775	382.75 382.775	TETRA SAPS TETRA SAPS
113	392.8	382.8	TETRA SAPS
114	392.825	382.825	TETRA SAPS
115	392.85	382.85	TETRA SAPS
116	392.875	382.875	TETRA SAPS
117	392.9	382.9	TETRA SAPS
118	392.925	382.925	TETRA SAPS
119	392.95	382.95 382.975	TETRA SAPS
120 121	392.975 393	382.975	TETRA SAPS TETRA SAPS
121	393.025	383.025	TETRA SAPS
123	393.05	383.05	TETRA SAPS
124	393.075	383.075	TETRA SAPS
125	393.1	383.1	TETRA SAPS
126	393.125	383.125	TETRA SAPS
127	393.15	383.15	TETRA SAPS
128 129	393.175 393.2	383.175 383.2	TETRA SAPS TETRA SAPS
130	393.225	383.225	TETRA SAPS
131	393.25	383.25	TETRA SAPS
132	393.275	383.275	TETRA SAPS
133	393.3	383.3	TETRA SAPS
134	393.325	383.325	TETRA SAPS
135	393.35	383.35	TETRA SAPS
CH. No.	BTX	MTX	REMARKS
011.110.	517	WIIX	TIEND WITO
CHDIA	N FOR 390	300 0875	380-389.9875MHz 2006
CH. No. 136	BTX	MTX	REMARKS
CH. No. 136 137			
136	BTX 393.375	MTX 383.375	REMARKS TETRA SAPS
136 137 138 139	BTX 393.375 393.4 393.425 393.45	MTX 383.375 383.4 383.425 383.45	REMARKS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS
136 137 138 139 140	BTX 393.375 393.4 393.425 393.45 393.475	MTX 383.375 383.4 383.425 383.45 383.475	REMARKS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS
136 137 138 139 140 141	BTX 393.375 393.4 393.425 393.45 393.475 393.5	MTX 383.375 383.4 383.425 383.45 383.45 383.475 383.5	REMARKS TETRA SAPS
136 137 138 139 140 141 142	BTX 393.375 393.4 393.425 393.475 393.475 393.525	MTX 383.375 383.4 383.425 383.45 383.475 383.5 383.5	REMARKS TETRA SAPS
136 137 138 139 140 141 142 143	BTX 393.375 393.4 393.425 393.45 393.475 393.5 393.5 393.55	MTX 383.375 383.4 383.425 383.45 383.475 383.5 383.525 383.525	REMARKS TETRA SAPS
136 137 138 139 140 141 142	BTX 393.375 393.4 393.425 393.475 393.475 393.525	MTX 383.375 383.4 383.425 383.45 383.475 383.5 383.5	REMARKS TETRA SAPS
136 137 138 139 140 141 142 143 144 145 146	BTX 393.375 393.4 393.425 393.45 393.475 393.55 393.55 393.55 393.576 393.625	MTX 383.375 383.4 383.425 383.475 383.575 383.525 383.575 383.65 383.625	REMARKS TETRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147	BTX 393.375 393.4 393.425 393.45 393.475 393.55 393.55 393.55 393.55 393.65 393.625 393.625	MTX 383.375 383.4 383.425 383.45 383.45 383.55 383.55 383.55 383.55 383.65 383.65 383.65 383.655 383.655	REMARKS TETRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147	BTX 393.375 393.4 393.425 393.475 393.475 393.525 393.525 393.525 393.625 393.625 393.675	MTX 383.375 383.4 383.425 383.45 383.475 383.5 383.525 383.55 383.65 383.625 383.65 383.675	REMARKS TE TRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148	BTX 393.375 393.4 393.425 393.45 393.475 393.55 393.55 393.55 393.65 393.625 393.625 393.675 393.675 393.675	MTX 383.375 383.4 383.425 383.45 383.45 383.475 383.55 383.55 383.55 383.65 383.675 383.65 383.625 383.65	REMARKS TETRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149	BTX 393.375 393.4 393.425 393.45 393.475 393.525 393.525 393.525 393.575 393.62 393.65 393.675 393.77 393.725	MTX 383.375 383.4 383.425 383.45 383.45 383.525 383.525 383.55 383.65 383.65 383.675 383.65 383.75 383.75	REMARKS TETRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151	BTX 393.375 393.4 393.425 393.475 393.475 393.525 393.525 393.525 393.625 393.625 393.675 393.77 393.725	MTX 383.375 383.4 383.425 383.45 383.45 383.55 383.55 383.55 383.65 383.67 383.67 383.7 383.75	REMARKS TETRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149	BTX 393.375 393.4 393.425 393.45 393.475 393.525 393.525 393.525 393.575 393.62 393.65 393.675 393.77 393.725	MTX 383.375 383.4 383.425 383.45 383.45 383.525 383.525 383.55 383.65 383.65 383.675 383.65 383.75 383.75	REMARKS TETRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153	BTX 393.375 393.4 393.425 393.475 393.475 393.525 393.525 393.55 393.625 393.625 393.675 393.7 393.7 393.725 393.75 393.75 393.75 393.75 393.75 393.75 393.75	MTX 383.375 383.4 383.425 383.45 383.45 383.55 383.525 383.55 383.65 383.65 383.675 383.77 383.775 383.775 383.775 383.75 383.75 383.75	REMARKS TETRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155	BTX 393.375 393.4 393.425 393.45 393.45 393.475 393.525 393.525 393.575 393.65 393.65 393.676 393.7 393.725 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.75	MTX 383.375 383.44 383.425 383.45 383.45 383.45 383.525 383.55 383.65 383.65 383.675 383.77 383.725 383.77 383.75 383.85	REMARKS TE TRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155	BTX 393.375 393.4 393.425 393.45 393.475 393.525 393.525 393.525 393.575 393.625 393.675 393.675 393.775 393.775 393.775 393.775 393.775 393.775 393.875	MTX 383.375 383.4 383.425 383.45 383.45 383.45 383.525 383.525 383.65 383.675 383.675 383.77 383.77 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75	REMARKS TE TRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 155	BTX 393.375 393.4 393.425 393.45 393.45 393.45 393.525 393.525 393.575 393.66 393.65 393.675 393.77 393.725 393.775 393.775 393.775 393.825 393.875 393.825 393.875	MTX 383.375 383.44 383.45 383.45 383.45 383.45 383.55 383.55 383.575 383.65 383.65 383.775 383.725 383.725 383.725 383.75 383.725 383.75 383.75 383.75	REMARKS TE TRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157	BTX 393.375 393.4 393.425 393.425 393.45 393.475 393.525 393.525 393.575 393.625 393.65 393.625 393.75 393.725 393.725 393.725 393.75 393.85 393.85 393.85 393.875 393.875 393.875 393.875	MTX 383.375 383.4 383.425 383.45 383.45 383.45 383.525 383.525 383.55 383.65 383.65 383.65 383.75 383.75 383.75 383.75 383.75 383.85 383.85 383.85 383.85	REMARKS TETRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158	BTX 393.375 393.4 393.425 393.45 393.475 393.525 393.525 393.525 393.625 393.625 393.675 393.775 393.725 393.775 393.775 393.775 393.775 393.875 393.875 393.875 393.875 393.875 393.875 393.875	MTX 383.375 383.4 383.425 383.45 383.475 383.55 383.525 383.55 383.65 383.675 383.75 383.775 383.775 383.775 383.775 383.775 383.775 383.775 383.775 383.775 383.775 383.775 383.775 383.775 383.875 383.875 383.85 383.85	REMARKS TE TRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 150 151 152 153 154 155 156 157 158	BTX 393.375 393.4 393.425 393.425 393.45 393.475 393.525 393.525 393.575 393.625 393.65 393.625 393.75 393.725 393.725 393.725 393.75 393.85 393.85 393.85 393.875 393.875 393.875 393.875	MTX 383.375 383.4 383.425 383.45 383.45 383.45 383.525 383.525 383.55 383.65 383.65 383.65 383.75 383.75 383.75 383.75 383.75 383.85 383.85 383.85 383.85	REMARKS TE TRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159	BTX 393.375 393.4 393.425 393.45 393.45 393.475 393.525 393.525 393.575 393.65 393.65 393.65 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.85 393.85 393.85 393.875 393.875 393.875 393.875 393.975	MTX 383.375 383.44 383.425 383.45 383.45 383.45 383.525 383.55 383.55 383.65 383.65 383.75	REMARKS TE TRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163	BTX 393.375 393.4 393.425 393.425 393.45 393.475 393.525 393.525 393.575 393.625 393.65 393.725 393.725 393.725 393.725 393.75 393.825 393.825 393.85 393.875 393.875 393.875 393.875 393.875 393.875 393.875 393.875 393.975	MTX 383.375 383.4 383.425 383.45 383.45 383.45 383.525 383.55 383.55 383.65 383.65 383.65 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.85 383.85 383.85 383.875	REMARKS TETRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 160 161 162 163	BTX 393.375 393.4 393.425 393.45 393.475 393.525 393.525 393.525 393.575 393.625 393.675 393.75 393.725 393.775 393.725 393.75 393.775 393.775 393.875 393.875 393.875 393.875 393.875 393.875 393.875 393.975 393.975 393.975	MTX 383.375 383.4 383.425 383.45 383.45 383.45 383.525 383.525 383.65 383.675 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.85 383.825 383.825 383.85 383.875 383.975 383.975 383.95 383.95 383.95 383.95 383.95 383.95	REMARKS TE TRA SAPS
136 137 138 139 140 141 142 143 144 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163	BTX 393.375 393.4 393.425 393.45 393.45 393.45 393.525 393.525 393.575 393.65 393.65 393.676 393.7 393.725 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.875 393.875 393.875 393.875 393.875 393.875 393.875 393.875	MTX 383.375 383.44 383.45 383.45 383.45 383.45 383.55 383.55 383.55 383.65 383.65 383.77 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.85 383.85 383.85 383.85 383.85 383.85 383.85 383.85 383.85 383.85 383.85 383.85	REMARKS TE TRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165	BTX 393.375 393.4 393.425 393.425 393.425 393.475 393.525 393.525 393.525 393.625 393.625 393.625 393.75 393.725 393.75 393.75 393.75 393.825 393.825 393.825 393.875 393.875 393.875 393.875 393.875 393.925 393.925 393.925 393.925 393.925 393.925 393.925 393.925 394.025 394.025	MTX 383.375 383.4 383.425 383.45 383.45 383.45 383.525 383.525 383.55 383.65 383.65 383.65 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.85 383.85 383.85 383.875 383.95 383.95 383.95 384.05 384.05	REMARKS TETRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 160 161 162 163 164 165 166 167	BTX 393.375 393.4 393.425 393.425 393.45 393.45 393.525 393.575 393.575 393.66 393.65 393.675 393.775 393.725 393.775 393.725 393.775 393.775 393.825 393.875 393.875 393.875 393.875 393.893 393.893 393.925 393.975 394.05	MTX 383.375 383.44 383.45 383.45 383.45 383.45 383.55 383.55 383.575 383.65 383.65 383.775 383.725 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.85 383.75 383.87 383.875 383.87 383.875 383.85 383.875 383.85 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.975 384.025	REMARKS TE TRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165	BTX 393.375 393.4 393.425 393.425 393.45 393.475 393.525 393.525 393.575 393.65 393.65 393.65 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.85 393.85 393.85 393.85 393.875 393.875 393.975 394.13 394.025 394.15 394.15	MTX 383.375 383.4 383.425 383.45 383.45 383.45 383.525 383.525 383.55 383.65 383.65 383.65 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.85 383.87 383.87 383.85 383.87 383.85	REMARKS TE TRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168	BTX 393.375 393.47 393.425 393.425 393.475 393.475 393.525 393.525 393.525 393.525 393.625 393.625 393.675 393.725 393.725 393.75 393.725 393.75 393.75 393.825 393.825 393.825 393.825 393.875 393.925 393.925 393.925 393.925 393.925 393.925 393.925 393.925 393.925 393.925 393.925 393.925 393.925 393.925 393.925 393.925 393.925	MTX 383.375 383.4 383.425 383.45 383.45 383.45 383.525 383.525 383.55 383.65 383.65 383.675 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.85 383.85 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.95 383.95 383.95 383.95 383.95 383.95 383.95 383.95 383.95 383.95 383.95 383.95 383.95 383.95 383.95 383.95 383.95 383.95	REMARKS TE TRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168	BTX 393.375 393.4 393.425 393.425 393.45 393.475 393.525 393.525 393.575 393.65 393.65 393.65 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.85 393.85 393.85 393.85 393.875 393.875 393.975 394.13 394.025 394.15 394.15	MTX 383.375 383.4 383.425 383.45 383.45 383.45 383.525 383.525 383.55 383.65 383.65 383.65 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.85 383.87 383.87 383.85 383.87 383.85	REMARKS IE TRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 168 169 170	BTX 393.375 393.4 393.425 393.425 393.45 393.45 393.475 393.525 393.575 393.65 393.65 393.65 393.675 393.7 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.875 393.975 394.025 394.025 394.175 394.175 394.175 394.225	MTX 383.375 383.44 383.45 383.45 383.45 383.45 383.55 383.55 383.55 383.65 383.65 383.77 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.85 383.85 383.85 383.85 383.85 383.85 383.85 383.85 383.85 383.85 383.85 383.87 383.97 383.97 384.15 384.125 384.15 384.15	REMARKS TE TRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172	BTX 393.375 393.4 393.425 393.425 393.45 393.45 393.475 393.525 393.525 393.575 393.65 393.65 393.65 393.75 393.75 393.75 393.75 393.75 393.75 393.75 393.85 393.85 393.85 393.875 393.875 393.975 394.11 394.125 394.15 394.25 394.25 394.25	MTX 383.375 383.4 383.425 383.45 383.45 383.45 383.45 383.525 383.525 383.55 383.55 383.65 383.65 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.85 383.87 383.85 383.87 383.85 383.875 383.85 383.85 383.85 383.85 383.85 383.85 383.85 383.85 383.875 383.85 383.875 384.05 384.05 384.15 384.15 384.175 384.25 384.25	REMARKS TE TRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 167 168 169 170 171 172 173	BTX 393.375 393.4 393.425 393.45 393.45 393.45 393.45 393.525 393.575 393.575 393.66 393.625 393.67 393.77 393.725 393.75 393.75 393.75 393.825 393.875 393.825 393.875 393.89 393.95 393.95 393.95 393.95 394.125 394.15 394.15 394.15 394.225 394.25 394.25 394.25 394.275 394.3	MTX 383.375 383.44 383.425 383.45 383.45 383.45 383.45 383.55 383.55 383.575 383.56 383.65 383.65 383.775 383.725 383.725 383.725 383.725 383.725 383.85 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.95 383.95 383.95 383.95 383.95 384.15 384.175 384.175 384.175 384.225 384.225 384.255 384.255	REMARKS IE TRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174	BTX 393.375 393.4 393.425 393.425 393.45 393.45 393.45 393.525 393.575 393.65 393.65 393.65 393.65 393.77 393.725 393.75 393.75 393.75 393.75 393.75 393.875 393.875 393.875 393.875 393.875 393.875 394.13 394.125 394.15 394.25 394.25 394.25 394.35	MTX 383.375 383.44 383.45 383.45 383.45 383.45 383.45 383.55 383.55 383.55 383.65 383.65 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.85 383.875 383.875 383.875 383.875 383.975 384.15 384.125 384.15 384.15 384.15 384.25 384.25 384.25 384.25 384.35	REMARKS TE TRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175	BTX 393.375 393.475 393.425 393.425 393.425 393.425 393.525 393.525 393.525 393.525 393.625 393.65 393.725 393.725 393.725 393.725 393.725 393.825 393.825 393.825 393.875 393.875 393.875 393.875 393.875 394.125 394.125 394.175 394.175 394.25 394.25 394.25 394.375	MTX 383.375 383.44 383.45 383.45 383.45 383.45 383.45 383.525 383.55 383.55 383.65 383.65 383.65 383.75 383.75 383.75 383.75 383.75 383.85 383.85 383.875 383.875 383.875 383.875 383.85 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.975 384.25 384.25 384.15 384.125 384.125 384.25 384.25 384.25 384.25 384.25 384.35 384.375	REMARKS TETRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176	BTX 393.375 393.4 393.425 393.425 393.45 393.45 393.45 393.525 393.575 393.66 393.675 393.675 393.775 393.725 393.775 393.725 393.775 393.725 393.775 393.825 393.875 393.875 393.875 393.875 394.925 394.025 394.17 394.15 394.15 394.15 394.25 394.25 394.25 394.275 394.375 394.375	MTX 383.375 383.44 383.45 383.45 383.45 383.45 383.45 383.55 383.55 383.57 383.57 383.65 383.775 383.77 383.725 383.75 383.75 383.87 383.725 383.87 383.75 383.87 383.875 383.87 383.875 383.87 383.875 383.87 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 384.025 384.05 384.15 384.15 384.15 384.15 384.15 384.15 384.25 384.25 384.25 384.25 384.275 384.35 384.35	REMARKS TE TRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177	BTX 393.375 393.475 393.49 393.425 393.45 393.45 393.475 393.525 393.525 393.575 393.65 393.65 393.65 393.75 393.75 393.75 393.75 393.75 393.75 393.85 393.85 393.85 393.875 393.875 394.11 394.125 394.15 394.175 394.25 394.25 394.25 394.33 394.275 394.3 394.325 394.35 394.375 394.3	MTX 383.375 383.44 383.45 383.45 383.45 383.45 383.45 383.525 383.55 383.55 383.65 383.65 383.65 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.85 383.87 383.87 383.87 383.87 383.87 383.87 383.87 383.87 383.87 383.87 383.87 383.87 383.87 383.87 383.87 383.87 383.87 383.87 383.87 384.25 384.25 384.25 384.25 384.25 384.25 384.25 384.275 384.35 384.35	REMARKS TE TRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176	BTX 393.375 393.4 393.425 393.425 393.45 393.45 393.45 393.525 393.575 393.66 393.675 393.675 393.775 393.725 393.775 393.725 393.775 393.725 393.775 393.825 393.875 393.875 393.875 393.875 394.925 394.025 394.17 394.15 394.15 394.15 394.25 394.25 394.25 394.275 394.375 394.375	MTX 383.375 383.44 383.45 383.45 383.45 383.45 383.45 383.55 383.55 383.57 383.57 383.65 383.775 383.77 383.725 383.75 383.75 383.87 383.725 383.87 383.75 383.87 383.875 383.87 383.875 383.87 383.875 383.87 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 384.025 384.05 384.15 384.15 384.15 384.15 384.15 384.25 384.25 384.25 384.275 384.35 384.35	REMARKS IE TRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 170 171 172 173 174 175 176 177	BTX 393.375 393.4 393.425 393.425 393.45 393.45 393.45 393.525 393.575 393.65 393.65 393.65 393.65 393.77 393.725 393.75 393.75 393.75 393.825 393.875 393.875 393.89 393.95 393.91 394.175 394.175 394.175 394.175 394.22 394.225 394.25 394.25 394.25 394.35 394.35 394.35 394.35 394.35 394.35 394.35	MTX 383.375 383.45 383.425 383.45 383.45 383.45 383.55 383.55 383.575 383.57 383.65 383.65 383.775 383.77 383.725 383.75 383.725 383.75 383.75 383.87 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.95 384.15 384.175 384.15 384.175 384.15 384.175 384.25 384.25 384.25 384.25 384.35 384.35 384.35 384.35 384.45	REMARKS TE TRA SAPS
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177	BTX 393.375 393.4 393.425 393.425 393.45 393.45 393.45 393.475 393.525 393.575 393.63 393.65 393.65 393.65 393.77 393.725 393.75 393.75 393.75 393.875 393.875 393.875 393.875 393.875 393.875 394.13 394.125 394.15 394.15 394.25 394.25 394.25 394.375 394.35 394.35 394.35 394.35 394.45 394.45 394.45 394.45 394.45	MTX 383.375 383.47 383.45 383.45 383.45 383.45 383.55 383.55 383.55 383.57 383.65 383.77 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.75 383.87 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.875 383.975 384.105 384.105 384.125 384.125 384.15 384.175 384.15 384.175 384.15 384.175 384.25 384.25 384.25 384.35 384.35 384.35 384.35 384.35	REMARKS TE TRA SAPS TE TRA SA

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CH PLAI	N FOR 390	-399.9875_	_380-389.9875MHz 2006
CH. No.	BTX	MTX	REMARKS
182 183	394.525 394.55	384.525 384.55	TETRA SAPS TETRA SAPS
184	394.575	384.575	TETRA SAPS
185	394.6	384.6	TETRA SAPS
186	394.625	384.625	TETRA SAPS
187	394.65	384.65	TETRA SAPS
188	394.675	384.675	TETRA SAPS
189	394.7	384.7	TETRA SAPS
190	394.725	384.725	TETRA SAPS
191	394.75	384.75	TETRA SAPS
192	394.775	384.775	TETRA SAPS
193 194	394.8 394.825	384.8 384.825	TETRA SAPS TETRA SAPS
195	394.85	384.85	TETRA SAPS
196	394.875	384.875	TETRA SAPS
197	394.9	384.9	TETRA SAPS
198	394.925	384.925	TETRA SAPS
199	394.95	384.95	TETRA SAPS
200	394.975	384.975	TETRA SAPS
201	395	385	TETRA SAPS
202	395.025	385.025	TETRA SAPS
203	395.05	385.05	TETRA SAPS
204	395.075	385.075	TETRA SAPS
205	395.1	385.1	TETRA SAPS
206	395.125	385.125	TETRA SAPS
207	395.15	385.15	TETRA SAPS
208	395.175 395.2	385.175 385.2	TETRA SAPS TETRA SAPS
209	395.225	385.2 385.225	TETRA SAPS
211	395.25	385.25	TETRA SAPS
212	395.275	385.275	TETRA SAPS
213	395.3	385.3	TETRA SAPS
214	395.325	385.325	TETRA SAPS
215	395.35	385.35	TETRA SAPS
216	395.375	385.375	TETRA SAPS
217	395.4	385.4	TETRA SAPS
218	395.425	385.425	TETRA SAPS
219	395.45	385.45	TETRA SAPS
220	395.475	385.475	TETRA SAPS
221	395.5	385.5	TETRA SAPS
222	395.525	385.525	TETRA SAPS
223	395.55 395.575	385.55 385.575	TETRA SAPS TETRA SAPS
225	395.6	385.6	TETRA SAPS
		385.625	TETRA SAPS
226	395 625		
226 227	395.625 395.65		
226 227	395.625 395.65	385.65	TETRA SAPS
CH. No.	395.65 BTX N FOR 390	385.65 MTX -399.9875_	TETRA SAPS REMARKS 380-389.9875MHz 2006
227 CH. No. CH PLAI CH. No. 228	395.65 BTX N FOR 390 BTX 395.675	385.65 MTX -399.9875 MTX 385.675	REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS
CH. No.	395.65 BTX N FOR 390 BTX 395.675 395.7	385.65 MTX -399.9875 MTX 385.675 385.7	REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS TETRA SAPS
227 CH. No. CH PLAI CH. No. 228 229	395.65 BTX N FOR 390 BTX 395.675	385.65 MTX -399.9875 MTX 385.675	REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230	395.65 BTX N FOR 390 BTX 395.675 395.77 395.725	385.65 MTX -399.9875 MTX 385.675 385.7 385.725	REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233	395.65 BTX N FOR 390 BTX 395.675 395.77 395.725 395.775 395.875	385.65 MTX -399.9875 MTX 385.675 385.75 385.725 385.75 385.75 385.75	REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 233	395.65 BTX N FOR 390 BTX 395.675 395.7 395.75 395.75 395.775 395.8 395.825	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.775 385.775 385.88 385.825	REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS
227 CH. No. CH PLA CH. No. 228 229 230 231 232 233 234 235	395.65 BTX N FOR 390 BTX 395.675 395.725 395.725 395.75 395.8 395.825 395.825	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.85	TETRA SAPS REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236	395.65 BTX N FOR 390 BTX 395.675 395.75 395.725 395.775 395.775 395.85 395.825 395.85 395.85	385.65 MTX -399.9875 MTX 385.675 385.7 385.725 385.75 385.85 385.80 385.80 385.80 385.875	REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236 237	395.65 BTX N FOR 390 BTX 395.675 395.72 395.75 395.75 395.85 395.85 395.875 395.875	385.65 MTX -399.9875 MTX 385.675 385.725 385.75 385.875 385.80 385.85 385.85 385.875 385.875	TETRA SAPS REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS TETRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236 237 238	395.65 BTX N FOR 390 BTX 395.675 395.77 395.725 395.75 395.825 395.825 395.825 395.875 395.975	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.86 385.875 385.93 385.925	TETRA SAPS REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS
227 CH. No	395.65 BTX N FOR 390 BTX 995.675 396.77 395.725 395.775 395.875 395.825 395.85 395.85 395.875 395.95 395.95	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.85 385.875 385.875 385.875 385.875 385.875 385.875 385.875 385.875	TETRA SAPS REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS
227 CH. No. CH PLA CH. No. 228 229 230 231 232 233 233 234 235 236 237 238 239 239 240	395.65 BTX N FOR 390 BTX 395.675 395.725 395.725 395.825 395.825 395.875 396.9 395.925 395.95 395.95 395.95	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.85 385.85 385.95 385.95 385.95	TETRA SAPS REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS
227 CH. No	395.65 BTX N FOR 390 BTX 995.675 396.77 395.725 395.775 395.775 395.825 395.825 395.85 395.875 395.95 395.95	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.85 385.875 385.875 385.875 385.875 385.875 385.875 385.875 385.875	TETRA SAPS REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS
227 CH. No. CH PLA CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241	395.65 BTX N FOR 390 BTX 395.675 395.75 395.75 395.75 395.85 395.825 395.875 395.875 395.975 395.975 395.975	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.875 385.875 385.95 385.95 385.95 385.95 385.95	TETRA SAPS REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS
227 CH. No. CH PLA CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243	395.65 BTX N FOR 390 BTX 395.675 395.775 395.775 395.775 395.87 395.87 395.875 395.875 395.875 395.975 395.975 395.975 395.975 396.93 396.025 396.05	385.65 MTX -399.9875 MTX 385.675 385.7 385.725 385.75 385.85 385.85 385.875 385.95 385.95 385.95 385.95 386.025 386.025	REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244	395.65 BTX N FOR 390 BTX 395.675 395.725 395.725 395.825 395.825 395.825 395.875 396.9 395.925 395.95 396.93 396.925 396.025 396.025 396.075	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.85 385.95 385.95 385.95 385.95 385.975 386.05 386.05 386.05 386.075	TETRA SAPS REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS
227 CH. No. CH PLA CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245	395.65 BTX N FOR 390 BTX 395.675 395.77 395.725 395.75 395.825 395.825 395.825 395.825 395.875 395.97 396.925 396.025 396.025 396.075 396.11	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.875 385.925 385.925 385.925 385.925 385.935 386.025 386.025 386.075 386.075 386.13	REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246	395.65 BTX N FOR 390 BTX 395.675 395.725 395.75 395.875 395.875 395.875 395.875 395.975 396.925 395.925 395.925 396.05 396.05 396.175 396.125	385.65 MTX -399.9875 MTX 385.675 385.725 385.75 385.85 385.875 385.85 385.85 385.95 385.975 386.925 385.975 386.025 386.025 386.025 386.075 386.11	TETRA SAPS REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 244 244 244 247	395.65 BTX N FOR 390 BTX 395.675 395.725 395.75 395.875 395.875 395.875 395.875 395.925 395.925 396.025 396.025 396.025 396.125 396.15 396.15	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.875 385.89 385.925 385.925 385.925 386.925 386.025 386.05 386.05 386.15 386.15	REMARKS 380-389.9875MHz 2006 REMARKS TE TRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 244 245 244 245 246 247 248	395.65 BTX N FOR 390 BTX 395.675 395.75 395.75 395.75 395.75 395.85 395.875 395.875 395.875 395.975 395.975 396.93 396.025 396.025 396.025 396.15 396.15 396.15 396.175 396.175 396.175	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.875 385.875 385.875 385.95 385.975 386.925 386.925 386.025 386.025 386.025 386.05 386.125 386.125 386.125 386.125	REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 244 245 246 247 248 249	395.65 BTX N FOR 390 BTX 395.675 395.725 395.775 395.87 395.87 395.87 395.87 395.97 395.97 396.9 395.975 396 396.075 396.125 396.125 396.15 396.175	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.85 385.95 385.95 385.975 386.05 386.05 386.05 386.05 386.15 386.15 386.15 386.25	TETRA SAPS REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 244 245 244 245 246 247 248	395.65 BTX N FOR 390 BTX 395.675 395.725 395.725 395.75 395.825 395.825 395.825 395.825 395.925 396.925 396.025 396.075 396.125 396.125 396.125 396.125 396.225 396.225	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.85 385.925 385.925 385.925 385.925 386.025 386.05 386.075 386.1 386.125 386.125 386.225 386.225	REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250	395.65 BTX N FOR 390 BTX 395.675 395.725 395.775 395.87 395.87 395.87 395.87 395.97 395.97 396.9 395.975 396 396.075 396.125 396.125 396.15 396.175	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.85 385.95 385.95 385.975 386.05 386.05 386.05 386.05 386.15 386.15 386.15 386.25	TETRA SAPS REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS
227 CH. No. CH PLA CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251	395.65 BTX N FOR 390 BTX 395.675 395.775 395.725 395.75 395.825 395.825 395.825 395.825 395.875 395.95 395.95 396.025 396.025 396.15 396.125 396.125 396.225 396.225 396.225 396.25 396.25 396.25	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.875 385.975 385.975 386.05 386.05 386.075 386.125 386.125 386.125 386.25 386.25 386.25 386.25 386.25	REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 244 245 246 247 248 249 255 251	395.65 BTX N FOR 390 BTX 395.675 395.725 395.775 395.87 395.87 395.87 395.87 395.87 395.97 395.97 396.9 395.975 396.9 396.025 396.075 396.15 396.125 396.15 396.15 396.25 396.25 396.275 396.275 396.275 396.37 396.37	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.85 385.95 385.95 385.975 386.025 386.025 386.05 386.125 386.125 386.125 386.125 386.25 386.25 386.25 386.35	REMARKS 380-389.9875MHz 2006 REMARKS IE ITRA SAPS
227 CH. No. CH PLA CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 244 245 246 247 248 249 250 251 252 253 254 255	395.65 BTX N FOR 390 BTX 395.675 395.725 395.725 395.75 395.85 395.825 395.825 395.825 395.925 396.925 396.025 396.025 396.125 396.125 396.125 396.225 396.225 396.25 396.25 396.25 396.35 396.35	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.85 385.925 385.925 385.925 386.975 386.05 386.075 386.125 386.125 386.125 386.25 386.25 386.25 386.25 386.25 386.25 386.25 386.25 386.25 386.35 386.35	REMARKS 380-389.9875MHz 2006 REMARKS TE TRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253	395.65 BTX N FOR 390 BTX 395.675 395.725 395.75 395.75 395.875 395.875 395.97 395.975 396.9 395.925 396.05 396.125 396.125 396.125 396.125 396.225 396.25 396.25 396.25 396.25 396.25 396.25 396.375	385.65 MTX -399.9875 MTX 385.675 385.725 385.75 385.85 385.85 385.85 385.95 385.95 385.975 386.025 386.025 386.15 386.15 386.175 386.15 386.25 386.25 386.25 386.25 386.25 386.25 386.35 386.35	REMARKS 380-389.9875MHz 2006 REMARKS TE TRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 244 245 245 245 255 256 256	395.65 BTX N FOR 390 BTX 395.675 395.725 395.75 395.87 395.825 395.875 395.875 395.925 395.925 395.925 396.075 396.125 396.125 396.125 396.125 396.25 396.25 396.275 396.25 396.35 396.375 396.375	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.875 385.89 385.925 385.975 386.025 386.025 386.15 386.125 386.125 386.25 386.25 386.25 386.35 386.375 386.35 386.375 386.35 386.375	REMARKS 380-389.9875MHz 2006 REMARKS IEITRA SAPS
227 CH. No. CH PLA CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 250 251 252 258 259	395.65 BTX N FOR 390 BTX 395.675 395.725 395.75 395.75 395.825 395.825 395.825 395.825 395.925 396.025 396.025 396.025 396.125 396.125 396.125 396.225 396.25 396.25 396.25 396.25 396.25 396.375 396.3 396.35 396.375 396.4 396.375 396.4 396.45 396.45	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.85 385.875 385.925 385.925 385.925 386.05 386.025 386.05 386.175 386.125 386.25 386.25 386.25 386.25 386.25 386.25 386.25 386.25 386.25 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.45	REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 244 245 245 245 255 256 256	395.65 BTX N FOR 390 BTX 395.675 395.725 395.75 395.87 395.825 395.875 395.875 395.925 395.925 395.925 396.075 396.125 396.125 396.125 396.125 396.25 396.25 396.275 396.25 396.35 396.375 396.375	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.875 385.89 385.925 385.975 386.025 386.025 386.15 386.125 386.125 386.25 386.25 386.25 386.35 386.375 386.35 386.375 386.35 386.375	REMARKS 380-389.9875MHz 2006 REMARKS IEIRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 244 245 246 247 248 249 255 256 256 256 257 258 259	395.65 BTX N FOR 390 BTX 395.675 395.725 395.75 395.87 395.87 395.87 395.87 395.87 395.97 395.97 396.9 395.975 396.15 396.15 396.15 396.15 396.15 396.25 396.25 396.25 396.37 396.37 396.35 396.37 396.35 396.37 396.37 396.37 396.37 396.37 396.37 396.45 396.45 396.45	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.85 385.95 385.97 385.97 386.025 386.05 386.025 386.125 386.125 386.125 386.25 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35	REMARKS 380-389.9875MHz 2006 REMARKS IE ITRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 231 232 233 234 235 236 237 238 239 240 241 242 243 244 244 245 245 246 247 248 249 255 256 257 258 256 257 258	395.65 BTX N FOR 390 BTX 395.675 395.725 395.725 395.75 395.87 395.875 395.875 395.925 395.925 396.025 396.025 396.075 396.125 396.125 396.125 396.125 396.25 396.25 396.25 396.375 396.25 396.375 396.25 396.375 396.25 396.375 396.25 396.375 396.25 396.375 396.25 396.375 396.375 396.375 396.475 396.475 396.475 396.475	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.85 385.875 385.925 385.95 386.975 386.975 386.10 386.125 386.15 386.15 386.25 386.25 386.25 386.25 386.25 386.35 386.35 386.35 386.35	REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 245 250 251 252 253 256 256 257 258 259 260 261	395.65 BTX N FOR 390 BTX 395.675 395.775 395.725 395.75 395.875 395.875 395.875 395.975 396.9 395.925 396.05 396.125 396.125 396.125 396.125 396.225 396.25 396.25 396.25 396.25 396.375 396.375 396.375 396.375 396.425 396.475 396.475 396.475 396.475 396.475 396.475 396.475 396.475 396.475 396.475 396.475	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.85 385.95 385.97 386.025 386.025 386.025 386.15 386.15 386.15 386.25 386.25 386.35 386.35 386.375 386.375 386.375 386.375 386.386 386.375 386.386 386.375 386.386 386.375 386.386 386.375 386.386 386.375 386.386 386.375 386.385 386.375 386.385 386.375 386.385 386.375 386.385 386.375 386.385 386.375 386.41 386.425 386.425 386.45 386.475 386.45	REMARKS 380-389.9875MHz 2006 REMARKS IETRA SAPS IETR
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 244 245 245 255 256 257 258 259 260 261 261 262 263	395.65 BTX N FOR 390 BTX 395.675 395.725 395.75 395.75 395.825 395.825 395.875 395.925 395.925 396.075 396.125 396.125 396.125 396.125 396.125 396.25 396.375 396.25 396.375 396.375 396.375 396.375 396.375 396.425 396.475 396.475 396.45 396.475 396.45 396.475 396.45 396.475 396.55 396.575 396.55	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.85 385.95 385.95 385.975 386.025 386.025 386.025 386.15 386.125 386.25 386.25 386.25 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.45 386.45 386.45 386.45 386.45 386.45 386.55 386.555 386.555	REMARKS 380-389.9875MHz 2006 REMARKS IE ITRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 244 245 245 246 247 248 249 255 256 257 258 259 260 261 262 263 264	395.65 BTX N FOR 390 BTX 395.725 395.725 395.75 395.87 395.87 395.825 395.875 395.875 396.93 395.925 396.025 396.025 396.15 396.15 396.25 396.25 396.375 396.25 396.375 396.41 396.25 396.375 396.375 396.41 396.425 396.375 396.43 396.375 396.43 396.375 396.43 396.375 396.43 396.375 396.43 396.375 396.43 396.525 396.55 396.555 396.555 396.555 396.555	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.875 385.89 385.925 385.95 386.975 386.05 386.15 386.15 386.25 386.25 386.35 386.35 386.35 386.35 386.35 386.35 386.45 386.45 386.55 386.55 386.55	REMARKS 380-389.9875MHz 2006 REMARKS TE TRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 256 266 261 262 263	395.65 BTX N FOR 390 BTX 395.675 395.775 395.725 395.75 395.875 395.875 395.875 395.975 396.93 395.925 396.05 396.125 396.125 396.125 396.25 396.25 396.25 396.375 396.375 396.375 396.375 396.425 396.375 396.425 396.375 396.45 396.45 396.45 396.55 396.55 396.55 396.65	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.875 385.95 385.97 386.025 386.025 386.025 386.15 386.15 386.25 386.25 386.35 386.35 386.375 386.375 386.375 386.375 386.375 386.386 386.375 386.386 386.375 386.386 386.375 386.386 386.375 386.386 386.375 386.375 386.386 386.375 386.45 386.45 386.555 386.555 386.575 386.65	REMARKS 380-389.9875MHz 2006 REMARKS TE TRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 244 244 245 245 255 256 257 258 256 257 258 259 260 261 262 263 264 266 267	395.65 BTX N FOR 390 BTX 395.675 395.725 395.775 395.87 395.825 395.875 395.875 395.925 395.925 395.975 396.125 396.125 396.125 396.125 396.25 396.25 396.375 396.25 396.375 396.25 396.375 396.375 396.375 396.375 396.375 396.475 396.475 396.575 396.55 396.55 396.55 396.55 396.55 396.55 396.65 396.65	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.85 385.875 385.97 385.97 386.025 386.025 386.025 386.15 386.125 386.125 386.25 386.35 386.35 386.35 386.35 386.375 386.35 386.375 386.35 386.375 386.43 386.425 386.55 386.55 386.55 386.55 386.675	TETRA SAPS REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 250 251 252 253 256 266 267 268 2667 268	395.65 BTX N FOR 390 BTX 395.675 396.77 395.725 395.725 395.85 395.875 395.875 395.875 396.875 396.97 396.925 396.025 396.125 396.125 396.125 396.225 396.25 396.375 396.396.235 396.375 396.396.235 396.375 396.396.375 396.396.375 396.396.375 396.396.375 396.375 396.375 396.475 396.475 396.525 396.555 396.575 396.65	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.875 385.875 385.975 385.97 385.97 385.97 385.97 385.97 386.025 386.025 386.10 386.125 386.15 386.225 386.35 386.35 386.375 386.375 386.375 386.38 386.375 386.375 386.38 386.375 386.45 386.45 386.45 386.55 386.55 386.55 386.55 386.65 386.655 386.675	TETRA SAPS REMARKS 380-389.9875MHz 2006 REMARKS TETRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 241 242 243 244 245 246 247 248 249 255 256 257 258 259 260 261 261 262 263 264	395.65 BTX N FOR 390 BTX 395.675 395.725 395.75 395.75 395.875 395.825 395.875 395.925 395.925 396.075 396.125 396.125 396.125 396.125 396.25 396.375 396.25 396.375 396.375 396.375 396.375 396.375 396.425 396.375 396.475 396.475 396.575 396.575 396.575 396.575 396.675 396.675 396.675 396.75	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.85 385.95 385.97 386.925 386.925 386.025 386.025 386.05 386.125 386.125 386.125 386.25 386.25 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.475 386.55 386.55 386.555 386.555 386.625 386.625 386.625 386.625 386.675 386.675 386.675	REMARKS 380-389.9875MHz 2006 REMARKS IE ITRA SAPS IE I
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 244 245 245 246 247 248 249 250 251 256 257 258 256 267 268 269 267	395.65 BTX N FOR 390 BTX 395.725 395.725 395.75 395.87 395.875 395.875 395.875 395.875 396.93 395.925 396.025 396.025 396.15 396.15 396.15 396.25 396.25 396.375 396.25 396.375 396.41 396.25 396.35 396.375 396.475 396.475 396.475 396.475 396.575 396.475 396.575 396.575 396.65 396.575 396.65 396.675 396.675 396.775 396.775 396.775 396.775 396.675 396.775 396.775 396.775 396.775 396.775 396.775 396.775 396.775 396.775 396.775 396.775 396.775 396.775 396.775	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.875 385.895 385.925 385.95 386.975 386.1 386.125 386.15 386.15 386.25 386.25 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.45 386.45 386.55 386.55 386.55 386.55 386.675 386.675 386.775	REMARKS 380-389.9875MHz 2006 REMARKS IE ITRA SAPS
227 CH. No. CH PLAI CH. No. 228 229 230 231 232 233 234 235 236 237 238 239 240 241 241 242 243 244 245 246 247 248 249 255 256 257 258 259 260 261 261 262 263 264	395.65 BTX N FOR 390 BTX 395.675 395.725 395.75 395.75 395.875 395.825 395.875 395.925 395.925 396.075 396.125 396.125 396.125 396.125 396.25 396.375 396.25 396.375 396.375 396.375 396.375 396.375 396.425 396.375 396.475 396.475 396.575 396.575 396.575 396.575 396.675 396.675 396.675 396.75	385.65 MTX -399.9875 MTX 385.675 385.75 385.75 385.75 385.85 385.85 385.85 385.95 385.97 386.925 386.925 386.025 386.025 386.05 386.125 386.125 386.125 386.25 386.25 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.35 386.475 386.55 386.55 386.555 386.555 386.625 386.625 386.625 386.625 386.675 386.675 386.675	REMARKS 380-389.9875MHz 2006 REMARKS IE ITRA SAPS IE I

CH. No.	BTX	MTX	REMARKS
274	396.825	386.825	TETRA SAPS
275	396.85	386.85	TETRA SAPS
276	396.875	386.875	TETRA SAPS
277 278	396.9 396.925	386.9 386.925	TETRA SAPS TETRA SAPS
279	396.95	386.95	TETRA SAPS
280	396.975	386.975	TETRA SAPS
281	397	387	DOD FORMER SANDF
282	397.025	387.025	DOD FORMER SANDF
283	397.05	387.05	DOD FORMER SANDF
284	397.075	387.075	DOD FORMER SANDF
285	397.1	387.1	DOD FORMER SANDF
286	397.125	387.125	DOD FORMER SANDF
287	397.15	387.15	DOD FORMER SANDF
288	397.175	387.175	DOD FORMER SANDF
289	397.2	387.2	DOD FORMER SANDF
290	397.225	387.225	DOD FORMER SANDF
291	397.25	387.25	DOD FORMER SANDF
292	397.275	387.275	DOD FORMER SANDF
293	397.3	387.3	DOD FORMER SANDF
294	397.325	387.325	DOD FORMER SANDF
295	397.35	387.35	DOD FORMER SANDF
296	397.375	387.375	DOD FORMER SANDF
297	397.4	387.4	DOD FORMER SANDE
298	397.425	387.425	DOD FORMER SANDE
299	397.45	387.45	DOD FORMER SANDE
300	397.475	387.475	DOD FORMER SANDE
301 302	397.5 397.525	387.5	DOD FORMER SANDF DOD FORMER SANDF
302	397.525	387.525 387.55	DOD FORMER SANDF
304	397.575	387.575	DOD FORMER SANDF
305	397.6	387.6	DOD FORMER SANDF
306	397.625	387.625	DOD FORMER SANDF
307	397.65	387.65	DOD FORMER SANDF
308	397.675	387.675	DOD FORMER SANDF
309	397.7	387.7	DOD FORMER SANDF
310	397.725	387.725	DOD FORMER SANDF
311	397.75	387.75	DOD FORMER SANDF
312	397.775	387.775	DOD FORMER SANDF
313	397.8	387.8	DOD FORMER SANDF
314	397.825	387.825	DOD FORMER SANDF
315	397.85	387.85	DOD FORMER SANDF
316	397.875	387.875	DOD FORMER SANDF
317	397.9	387.9	DOD FORMER SANDF
318	397.925	387.925	DOD FORMER SANDF
318 319			
319 CH. No. H PLAI CH. No.	397.925 397.95 BTX N FOR 390- BTX	387.925 387.95 MTX -399.9875	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS
319 CH. No.	397.925 397.95 BTX N FOR 390-	387.925 387.95 MTX -399.9875	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006
319 CH. No. H PLAI CH. No. 320 321 322	397.925 397.95 BTX N FOR 390- BTX 397.975 398 398.025	387.925 387.95 MTX -399.9875 MTX 387.975 388 388.025	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF
319 CH. No. H PLAI CH. No. 320 321 322 323	397.925 397.95 BTX N FOR 390- BTX 397.975 398 398.025 398.05	387.925 387.95 MTX -399.9875 MTX 387.975 388 388.025 388.025	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF
319 CH. No. PLA CH. No. 320 321 322 323 324	397.925 397.95 BTX N FOR 390- BTX 397.975 398.025 398.025 398.05 398.075	387.925 387.95 MTX -399.9875 MTX 387.975 388 388.025 388.05 388.05	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF
319 CH. No. H PLA CH. No. 320 321 322 323 324 325	397.925 397.95 BTX N FOR 390- BTX 397.975 398 398.025 398.025 398.075 398.1	387,925 387,95 MTX -399,9875 MTX 387,975 388 386,025 388,05 388,075 388,1	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF
319 CH. No. H PLA CH. No. 320 321 322 323 324 325 326	397.925 397.95 BTX N FOR 390- BTX 397.975 398.025 398.05 398.05 398.075 398.1 398.1	387.925 387.95 MTX 399.9875 MTX 387.975 388 388.025 388.05 388.05 388.1 388.125	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF
319 CH. No. H PLAI CH. No. 320 321 322 323 324 325 326 327	397.925 397.95 BTX N FOR 390- BTX 397.975 398.025 398.025 398.075 398.125 398.15	387.925 387.95 MTX 399.9875 MTX 387.975 388.025 388.025 388.075 388.125 388.125 388.125	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF
319 CH. No. CH. No. 320 321 322 323 324 325 326 327 328	397.925 397.95 BTX N FOR 390- BTX 397.975 398.398.05 398.05 398.075 398.1 398.15 398.15 398.175	387.925 387.95 MTX -399.9875 MTX 387.975 388.025 388.05 388.05 388.15 388.15 388.15 388.15	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF DOD FORMER SANDF
319 CH. No. CH	397.925 397.95 BTX N FOR 390- BTX 397.975 398.025 398.05 398.05 398.05 398.175 398.175 398.175 398.175	387.925 387.95 MTX -399.9875 MTX 387.975 388.025 388.05 388.075 388.175 388.175 388.175 388.175	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF
319 CH. No. CH. No. CH. No. 320 321 322 323 324 325 326 327 328 329 330	397.925 397.95 BTX N FOR 390- BTX 397.975 398.025 398.025 398.075 398.125 398.15 398.175 398.25	387.925 387.95 MTX 399.9875 MTX 387.975 388.05 388.025 388.075 388.15 388.15 388.15 388.25 388.25	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF
319 CH. No. H PLAI CH. No. 320 321 322 323 324 325 326 327 328 329 330 331	397.925 397.95 BTX N FOR 390- BTX 397.975 398.05 398.05 398.05 398.175 398.15 398.175 398.175 398.25	387.925 387.95 MTX -399.9875 MTX 387.975 388.05 388.05 388.05 388.15 388.125 388.15 388.125 388.25 388.25	DOD FORMER SANDF DOD FORMER SANDF 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF
319 CH. No. SH. 397.925 397.95 BTX N FOR 390- BTX 397.975 398.025 398.05 398.075 398.15 398.175 398.175 398.25 398.25 398.25	387.925 387.95 MTX 387.975 388.388.025 388.075 388.15 388.175 388.15 388.25 388.25 388.25	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF	
319 CH. No. CH. No. CH. No. 320 321 322 322 323 324 325 326 327 328 329 330 331 331 332 332 333	397.925 397.95 BTX N FOR 390- BTX 397.975 398.025 398.05 398.05 398.175 398.15 398.15 398.25 398.25 398.275 398.275	387.925 387.95 MTX -399.9875 MTX 387.975 388.025 388.05 388.05 388.125 388.125 388.125 388.125 388.25 388.25 388.25 388.25	DOD FORMER SANDF DOD FORMER SANDF 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF
319 CH. No. SH. No. 320 320 321 322 323 324 325 326 327 328 329 330 331 332	397.925 397.95 BTX N FOR 390- BTX 397.975 398.025 398.05 398.075 398.15 398.175 398.175 398.25 398.25 398.25	387.925 387.95 MTX 387.975 388.388.025 388.075 388.15 388.175 388.15 388.25 388.25 388.25	DOD FORMER SANDF DOD FORMER SANDF 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF
319 CH. No. CH	397.925 397.95 BTX N FOR 390- BTX 397.975 398.025 398.05 398.05 398.15 398.15 398.15 398.25 398.25 398.25 398.25 398.25	387.925 387.95 MTX 389.9875 MTX 387.975 388.025 388.05 388.075 388.175 388.175 388.175 388.25 388.25 388.25 388.25 388.275	DOD FORMER SANDF DOD FORMER SANDF 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF
319 CH. No. CH. No. CH. No. 320 321 322 321 322 323 324 325 326 327 328 329 330 331 331 332 333 333 334 335	397.925 397.95 BTX N FOR 390- BTX 397.975 398.398.05 398.05 398.175 398.175 398.175 398.25 398.25 398.25 398.25 398.308.25 398.375 398.375 398.375	387.925 387.95 MTX 399.9875 MTX 387.975 388.025 388.025 388.075 388.125 388.125 388.25 388.25 388.25 388.25 388.25 388.25 388.25 388.25 388.25	DOD FORMER SANDF DOD FORMER SANDF 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF
319 CH. No. CH. No. 320 321 322 323 324 325 326 326 329 330 331 331 332 333 334 335 336 337 338	397.925 397.95 BTX N FOR 390- BTX 397.975 398.05 398.05 398.05 398.175 398.12 398.125 398.25 398.25 398.25 398.25 398.35 398.35	387.925 387.95 MTX 399.9875 MTX 387.975 388.05 388.05 388.05 388.15 388.15 388.15 388.25 388.25 388.25 388.25 388.25 388.25 388.35 388.275 388.35 388.35 388.35 388.35	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF
319 CH. No. CH. No. CH. No. 320 320 321 322 323 324 325 327 328 329 330 331 332 333 335 336 337 338 338	397.925 397.95 BTX N FOR 390- BTX 397.975 398.398.025 398.05 398.05 398.15 398.15 398.15 398.25 398.25 398.25 398.25 398.25 398.25 398.375 398.35 398.35	387.925 387.95 MTX -399.9875 MTX 387.975 388 388.05 388.075 388.15 388.125 388.125 388.25 388.25 388.25 388.375 388.3 388.35 388.375 388.3	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF
319 CH. No. CH. No. 320 321 322 323 324 325 326 327 328 330 331 332 333 331 336 336 337 338 339 340	397.925 397.95 BTX N FOR 390- BTX 397.975 398.398.025 398.05 398.05 398.15 398.15 398.15 398.15 398.25 398.25 398.25 398.25 398.25 398.36 398.375 398.375 398.375 398.375 398.375 398.375 398.375 398.475	387.925 387.95 MTX 387.975 MTX 387.975 388 388.025 388.075 388.15 388.175 388.25 388.25 388.25 388.25 388.375 388.35 388.375 388.35 388.375 388.4 388.425 388.45	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF
319 CH. No. CH. No. CH. No. 320 321 322 323 324 325 326 327 328 329 331 332 331 332 3331 334 3337 3336 337 338 339 340 340	397.925 397.95 BTX N FOR 390- BTX 397.975 398.05 398.05 398.05 398.15 398.125 398.175 398.25 398.25 398.275 398.25 398.375 398.35 398.35 398.35 398.35 398.35 398.475 398.475 398.475 398.475 398.475 398.475 398.475 398.475 398.475 398.475 398.475 398.475 398.475 398.475 398.475	387.925 387.95 MTX -399.9875 MTX 387.975 388.388.05 388.075 388.15 388.125 388.125 388.25 388.25 388.25 388.35 388.375 388.3 388.383 388.375 388.45 388.45 388.45	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF
319 CH. No. H PLA H. No. 320 321 322 323 324 325 326 326 327 328 330 331 332 333 333 333 334 335 336 337 338 339 340 341	397.925 397.95 BTX N FOR 390- BTX 397.975 398.398.025 398.075 398.175 398.125 398.15 398.125 398.225 398.25 398.25 398.25 398.275 398.375 398.375 398.44 398.45 398.45 398.45 398.45 398.55	387.925 387.95 MTX 387.975 MTX 387.975 388.38.025 388.075 388.175 388.175 388.25 388.275 388.275 388.38 388.285 388.285 388.275 388.385 388.385 388.385 388.385 388.385 388.385 388.385	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF
319 CH. No. CH. No. 320 321 322 323 323 324 325 326 329 330 331 331 332 333 334 333 336 337 338 339 340 341 342	397.925 397.95 BTX N FOR 390- BTX 397.975 398.398.05 398.05 398.05 398.15 398.175 398.175 398.25 398.275 398.275 398.275 398.375 398.375 398.375 398.475 398.475 398.45 398.45 398.45 398.45 398.45 398.45 398.55	387.925 387.95 MTX 399.9875 MTX 387.975 388.05 388.05 388.05 388.15 388.15 388.15 388.25 388.25 388.275 388.35 388.35 388.35 388.375 388.40 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF
319 CH. No. CH. No. CH. No. 320 320 321 322 323 324 325 326 327 328 329 330 331 332 333 335 337 338 337 338 339 340 341 342 343 344	397.925 397.95 BTX N FOR 390- BTX 397.975 398.398.025 398.05 398.075 398.15 398.125 398.125 398.25 398.25 398.25 398.25 398.25 398.25 398.375 398.35 398.375 398.45 398.45 398.45 398.45 398.45 398.45 398.55 398.55	387.925 387.95 MTX 387.975 MTX 387.975 388 388.05 388.05 388.05 388.15 388.125 388.15 388.25 388.25 388.25 388.25 388.35 388.375 388.40 388.425 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.55 388.55	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF
319 CH. No. CH. No. 320 321 322 323 324 325 326 327 328 330 331 332 333 331 335 336 337 338 339 340 341 341 342 343 344	397.925 397.95 BTX N FOR 390- BTX 397.975 398.398.025 398.05 398.175 398.125 398.15 398.125 398.25 398.25 398.25 398.25 398.25 398.25 398.375 398.375 398.375 398.375 398.375 398.4 398.425 398.475 398.45 398.45 398.55 398.55 398.555 398.555	387.925 387.95 MTX 387.975 MTX 387.975 388.388.025 388.075 388.15 388.175 388.175 388.25 388.25 388.25 388.375 388.38 388.325 388.375 388.375 388.375 388.38	DOD FORMER SANDF BOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF
319 CH. No. CH. No. CH. No. 320 320 321 322 323 324 325 326 327 328 329 330 331 332 333 335 337 338 337 338 339 340 341 342 343 344	397.925 397.95 BTX N FOR 390- BTX 397.975 398.398.025 398.05 398.075 398.15 398.125 398.125 398.25 398.25 398.25 398.25 398.25 398.25 398.375 398.35 398.375 398.45 398.45 398.45 398.45 398.45 398.45 398.55 398.55	387.925 387.95 MTX 387.975 MTX 387.975 388 388.05 388.05 388.05 388.15 388.125 388.15 388.25 388.25 388.25 388.25 388.35 388.375 388.40 388.425 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.55 388.55	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF
319 CH. No. CH. No. CH. No. 320 320 321 322 323 324 325 326 327 328 329 330 331 332 333 335 337 338 339 340 341 342 343 344 345 344	397.925 397.95 BTX N FOR 390- BTX 397.975 398 398.05 398.05 398.15 398.125 398.125 398.125 398.25 398.25 398.25 398.25 398.25 398.375 398.3 398.475 398.475 398.475 398.475 398.475 398.475 398.475 398.475 398.475 398.475 398.475 398.475 398.475 398.475 398.475 398.475 398.55 398.55 398.55 398.55	387.925 387.95 MTX 387.975 388.025 388.075 388.075 388.15 388.125 388.125 388.25 388.25 388.25 388.35 388.375 388.475 388.475 388.48 388.48 388.475 388.48 388.48	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF
319 CH. No. CH. No. CH. No. 320 321 322 323 324 325 326 327 328 329 330 331 332 333 333 334 335 336 337 338 339 340 341 342 343 344 345 346	397.925 397.95 BTX N FOR 390- BTX 397.975 398 398.025 398.075 398.15 398.125 398.15 398.125 398.25 398.25 398.25 398.25 398.25 398.25 398.375 398.35 398.35 398.35 398.35 398.45 398.45 398.45 398.45 398.45 398.55 398.55 398.55 398.55 398.575 398.65	387.925 387.95 MTX 387.975 MTX 387.975 388.38.05 388.05 388.075 388.175 388.175 388.175 388.25 388.25 388.25 388.25 388.25 388.25 388.35 388.35 388.35 388.35 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.65	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF
319 CH. No. CH. No. CH. No. 320 321 322 323 324 325 326 327 328 330 331 332 333 331 335 336 337 338 339 344 341 344 344 344 348 349	397.925 397.95 BTX N FOR 390- BTX 397.975 398 398.025 398.05 398.05 398.15 398.15 398.15 398.15 398.25 398.25 398.275 398.275 398.275 398.35 398.35 398.35 398.35 398.35 398.35 398.475 398.475 398.55 398.55 398.55 398.55 398.55 398.55 398.55 398.55 398.55 398.55 398.55 398.55 398.55 398.55 398.55 398.55 398.65 398.65 398.675 398.675	387.925 387.95 MTX 399.9875 MTX 387.975 388.05 388.05 388.05 388.15 388.15 388.15 388.15 388.25 388.275 388.275 388.275 388.275 388.35 388.35 388.35 388.35 388.35 388.43 388.43 388.45 388.45 388.65 388.655 388.655 388.655 388.655 388.655	DOD FORMER SANDF BOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF
319 CH. No. CH. No. 320 321 322 323 323 324 325 326 329 330 331 331 332 333 334 333 334 343 344 345 346 347 348 349 350	397.925 397.95 BTX N FOR 390- BTX 397.975 398 396.025 398.05 398.05 398.15 398.125 398.125 398.125 398.225 398.25 398.25 398.25 398.25 398.375 398.475 398.475 398.475 398.45 398.475 398.55 398.55 398.55 398.55 398.65 398.65 398.65 398.65 398.65 398.65 398.65 398.75 398.75	387.925 387.95 MTX 387.975 388.388.025 388.075 388.075 388.15 388.125 388.125 388.225 388.25 388.275 388.3 388.325 388.35 388.375 388.475 388.475 388.475 388.475 388.475 388.475 388.475 388.475 388.475 388.655 388.655 388.655 388.655 388.675 388.675 388.75	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF DOD FORM
319 CH. No. H PLA H. No. 320 321 322 323 324 325 326 327 328 329 330 331 333 333 333 334 335 336 337 338 339 340 341 345 346 346 347 348 349 350 351	397.925 397.95 BTX N FOR 390- BTX 397.975 398.398.025 398.075 398.15 398.125 398.125 398.125 398.25 398.25 398.25 398.25 398.25 398.25 398.25 398.375 398.45 398.45 398.45 398.45 398.45 398.45 398.45 398.45 398.65 398.65 398.675 398.675 398.77 398.775	387.925 387.95 MTX 387.975 MTX 387.975 388 388.025 388.075 388.15 388.125 388.125 388.125 388.25 388.25 388.275 388.25 388.25 388.35 388.35 388.35 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.475 388.675 388.675 388.675 388.673	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF
319 CH. No. CH. No. 320 321 322 323 323 325 326 327 328 329 330 331 331 332 333 336 337 338 339 340 341 341 342 343 344 344 349 345 346 347 348 349 350 351	397.925 397.95 BTX N FOR 390- BTX 397.975 398 398.025 398.05 398.15 398.15 398.15 398.15 398.25 398.275 398.275 398.3 398.375 398.45 398.475 398.45 398.45 398.45 398.45 398.45 398.45 398.45 398.45 398.45 398.45 398.45 398.45 398.45 398.55 398.55 398.55 398.65 398.65 398.65 398.65 398.65	387.925 387.95 MTX 387.95 MTX 387.975 388.388.025 388.05 388.075 388.15 388.15 388.15 388.25 388.275 388.25 388.35 388.375 388.375 388.45 388.45 388.45 388.65 388.65 388.675 388.65 388.675 388.75 388.75	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF DOD FORM
319 CH. No. H PLA H. No. 320 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352	397.925 397.95 BTX N FOR 390- BTX 397.975 398 398.025 398.05 398.05 398.15 398.175 398.175 398.25 398.25 398.25 398.25 398.25 398.275 398.35 398.35 398.35 398.45 398.45 398.45 398.45 398.45 398.55 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775	387.925 387.95 MTX 387.975 MTX 387.975 388 388.025 388.05 388.05 388.15 388.125 388.125 388.125 388.25 388.25 388.25 388.25 388.35 388.35 388.35 388.35 388.35 388.475 388.45 388.45 388.675 388.55 388.675 388.675 388.775	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF DOD FORM
319 CH. No. H PLA CH. No. 320 321 322 323 324 325 326 327 328 330 331 332 333 331 335 336 337 338 339 340 341 345 346 347 348 349 350 351 352 352 353 354	397.925 397.95 BTX N FOR 390- BTX 397.975 398 398.025 398.05 398.05 398.15 398.15 398.15 398.25 398.25 398.25 398.25 398.25 398.25 398.35 398.35 398.35 398.35 398.35 398.35 398.45 398.45 398.45 398.45 398.45 398.45 398.45 398.475 398.55 398.55 398.55 398.55 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75	387.925 387.95 MTX 399.9875 MTX 387.975 388.05 388.05 388.05 388.15 388.15 388.15 388.15 388.25 388.275 388.275 388.275 388.35 388.375 388.43 388.43 388.45 388.45 388.65 388.65 388.675 388.65 388.675 388.75 388.75 388.75 388.75	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF DOD FORM
319 CH. No. H PLA H. No. 320 320 321 322 323 324 325 326 327 328 329 330 331 332 333 335 334 335 336 337 338 339 340 341 342 343 344 345 347 348 349 350 351 352 353 354 355	397.925 397.95 BTX N FOR 390- BTX 397.975 398 398.05 398.05 398.05 398.15 398.125 398.125 398.125 398.25 398.25 398.25 398.25 398.375 398.3 398.475 398.475 398.475 398.475 398.475 398.475 398.475 398.475 398.775 398.875	387.925 387.95 MTX 387.975 388.025 388.075 388.075 388.075 388.15 388.125 388.175 388.25 388.275 388.25 388.275 388.35 388.375 388.475 388.475 388.475 388.48 388.485 388.475 388.475 388.475 388.475 388.475 388.475 388.475 388.475 388.475 388.55 388.625 388.675 388.75 388.75 388.75 388.75 388.75 388.75	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF DOD FORM
319 CH. No. H PLA H. No. 320 321 322 323 324 325 326 327 328 329 330 331 333 333 331 335 336 337 338 339 340 341 345 346 347 348 349 350 351 356 356	397.925 397.95 BTX N FOR 390- BTX 397.975 398 398.025 398.05 398.075 398.15 398.125 398.125 398.25 398.25 398.25 398.25 398.25 398.25 398.375 398.35 398.375 398.45 398.45 398.45 398.45 398.45 398.45 398.45 398.45 398.75 398.55 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.875 398.875 398.875 398.875 398.775 398.875 398.875 398.875 398.875 398.875	387.925 387.95 MTX 387.975 388.388.05 388.075 388.075 388.15 388.125 388.125 388.25 388.25 388.25 388.25 388.35 388.35 388.35 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.45 388.475 388.75	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF DOD FORM
319 CH. No. CH. No. CH. No. 320 321 322 323 324 325 326 327 328 330 331 332 333 336 337 338 339 340 341 342 343 344 344 345 347 348 349 350 351 356 356 356 356 356	397.925 397.95 BTX N FOR 390- BTX 397.975 398 398.025 398.05 398.05 398.15 398.15 398.15 398.25 398.275 398.25 398.275 398.3 398.375 398.45 398.45 398.45 398.45 398.45 398.45 398.45 398.45 398.45 398.45 398.45 398.75 398.55 398.75 398.75 398.65 398.65 398.65 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75	387.925 387.95 MTX 387.975 MTX 387.975 388.388.025 388.05 388.05 388.15 388.15 388.15 388.175 388.2 388.275 388.3 388.325 388.375 388.45 388.45 388.45 388.65 388.65 388.675 388.65 388.675 388.75 388.75	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF DOD FORM
319 CH. No. H PLA H. No. 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 335 336 337 338 339 330 331 334 340 341 342 343 344 345 346 347 348 349 350 351 352 353 353 356 357 358	397.925 397.95 BTX N FOR 390- BTX 397.975 398 398.025 398.05 398.05 398.15 398.175 398.175 398.25 398.25 398.25 398.25 398.25 398.25 398.35 398.35 398.35 398.375 398.475 398.45 398.475 398.55 398.75 398.75 398.75 398.75 398.75 398.85 398.75 398.875 398.875 398.875 398.875 398.875 398.875 398.875 398.875 398.875 398.875 398.875 398.875 398.875 398.875	387.925 387.95 MTX 387.975 MTX 387.975 388 388.025 388.05 388.05 388.15 388.125 388.125 388.125 388.25 388.25 388.25 388.25 388.35 388.35 388.35 388.35 388.35 388.475 388.45 388.45 388.45 388.45 388.45 388.75 388.75 388.75 388.75 388.675 388.85	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF DOD FORM
319 CH. No. CH. No. CH. No. CH. PLA CH. No. 320 321 322 323 324 325 326 327 328 329 330 331 333 333 334 335 336 337 338 339 340 341 345 346 347 348 349 350 351 356 356 356 356 356 356 356	397.925 397.95 BTX N FOR 390- BTX 397.975 398 398.025 398.05 398.05 398.15 398.15 398.15 398.15 398.25 398.25 398.25 398.275 398.35 398.35 398.35 398.35 398.35 398.45 398.45 398.45 398.45 398.45 398.45 398.475 398.55 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.875 398.875 398.875 398.875 398.875 398.875 398.875 398.875 398.875 398.875 398.875 398.875 398.875	387.925 387.95 MTX 399.9875 MTX 387.975 388.025 388.025 388.05 388.15 388.15 388.15 388.15 388.25 388.275 388.275 388.275 388.35 388.375 388.43 388.425 388.45 388.65 388.65 388.675 388.75 388.75 388.75 388.75 388.75 388.75	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF DOD FORM
319 CH. No. CH. No. CH. No. CH. PLA CH. No. 320 320 321 322 323 324 325 326 327 328 329 330 331 332 333 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 357 358 359 360 360	397.925 397.95 BTX N FOR 390- BTX 397.975 398 396.025 398.05 398.05 398.15 398.125 398.125 398.125 398.225 398.25 398.25 398.25 398.375 398.475 398.475 398.475 398.475 398.475 398.525 398.55 398.655 398.655 398.775 398.65 398.75 398.855 398.855 398.875 398.855	387.925 387.95 MTX 387.975 388.95 388.025 388.075 388.075 388.075 388.15 388.125 388.175 388.25 388.275 388.25 388.275 388.35 388.375 388.475 388.475 388.475 388.48 388.475 388.49 388.475 388.55 388.55 388.655 388.675 388.75 388.65 388.75 388.75 388.75 388.75 388.75 388.85	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF DOD FORM
319 CH. No. CH. No. CH. No. 320 321 322 323 324 325 326 327 328 329 330 331 333 333 333 334 335 336 337 338 339 340 341 345 346 347 348 345 346 347 348 347 348 349 350 351 358 356 357 358 356 357 358 359 360 361	397.925 397.95 BTX N FOR 390- BTX 397.975 398 398.025 398.05 398.075 398.15 398.125 398.125 398.125 398.25 398.25 398.25 398.25 398.25 398.35 398.375 398.45 398.45 398.45 398.45 398.45 398.45 398.45 398.45 398.75 398.55 398.55 398.75 398.75 398.675 398.675 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.875 398.875 398.875 398.875 398.875 398.875 398.95 398.95 398.975 398.975 398.975 398.975 398.975 398.975	387.925 387.95 MTX 387.975 MTX 387.975 388 388.025 388.075 388.15 388.125 388.125 388.125 388.25 388.25 388.25 388.25 388.25 388.35 388.375 388.45 388.45 388.45 388.45 388.45 388.475 388.5 388.675 388.675 388.875 388.875 388.895 388.95	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF DOD FORM
319 CH. No. CH. No. CH. No. CH. No. CH. PLA CH. No. CH. No. CH. No. CH. No. CH. No. CH. No. CH. No. CH. No. CH. No. CH. No. CH. CH. No. CH.	397.925 397.95 BTX N FOR 390- BTX 398.398.05 398.05 398.05 398.15 398.175 398.15 398.175 398.25 398.275 398.25 398.275 398.3 398.325 398.35 398.475 398.45 398.45 398.45 398.45 398.45 398.775 398.5 398.775 398.5 398.775 398.65 398.655 398.775 398.75 398.775 398.85 398.875 398.875 398.95	387.925 387.95 MTX 387.95 MTX 387.975 388.388.025 388.025 388.05 388.05 388.15 388.15 388.15 388.25 388.25 388.25 388.35 388.35 388.35 388.35 388.35 388.65 388.65 388.65 388.675 388.75 388.75 388.75 388.75 388.85	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF DOD FORM
319 CH. No. CH. No. CH. No. 320 321 322 323 324 325 326 327 328 329 330 331 333 333 333 334 335 336 337 338 339 340 341 345 346 347 348 345 346 347 348 347 348 349 350 351 358 356 357 358 356 357 358 359 360 361	397.925 397.95 BTX N FOR 390- BTX 397.975 398 398.025 398.05 398.075 398.15 398.125 398.125 398.125 398.25 398.25 398.25 398.25 398.25 398.35 398.375 398.45 398.45 398.45 398.45 398.45 398.45 398.45 398.45 398.75 398.55 398.55 398.75 398.75 398.675 398.675 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.75 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.775 398.875 398.875 398.875 398.875 398.875 398.875 398.95 398.95 398.975 398.975 398.975 398.975 398.975 398.975	387.925 387.95 MTX 387.975 MTX 387.975 388 388.025 388.075 388.15 388.125 388.125 388.125 388.25 388.25 388.25 388.25 388.25 388.35 388.375 388.45 388.45 388.45 388.45 388.45 388.475 388.5 388.675 388.675 388.875 388.875 388.895 388.95	DOD FORMER SANDF DOD FORMER SANDF REMARKS 380-389.9875MHz 2006 REMARKS DOD FORMER SANDF DOD FORM

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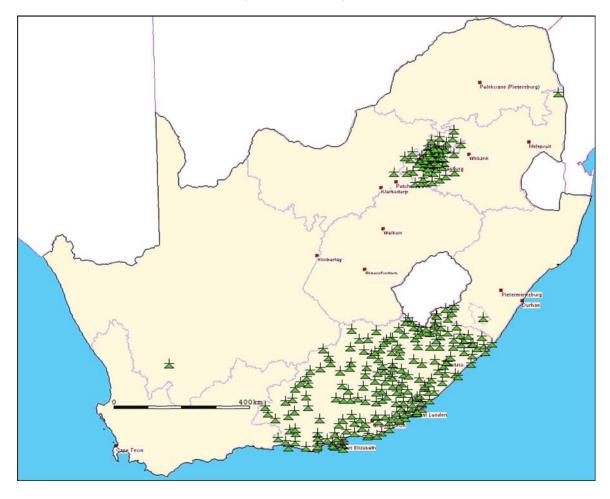
H. No.	BTX	MTX	REMARKS
366	399.125	389.125	DOD FORMER SANDF
367	399.15	389.15	DOD FORMER SANDF
368	399.175	389.175	DOD FORMER SANDF
369	399.2	389.2	DOD FORMER SANDF
370	399.225	389.225	DOD FORMER SANDF
371	399.25	389.25	DOD FORMER SANDF
372	399.275	389.275	DOD FORMER SANDF
373	399.3	389.3	DOD FORMER SANDF
374	399.325	389.325	DOD FORMER SANDF
375	399.35	389.35	DOD FORMER SANDF
376	399.375	389.375	DOD FORMER SANDF
377	399.4	389.4	DOD FORMER SANDF
378	399.425	389.425	DOD FORMER SANDF
379	399.45	389.45	DOD FORMER SANDF
380	399.475	389.475	DOD FORMER SANDF
381	399.5	389.5	DOD FORMER SANDF
382	399.525	389.525	DOD FORMER SANDF
383	399.55	389.55	DOD FORMER SANDF
384	399.575	389.575	DOD FORMER SANDF
385	399.6	389.6	DOD FORMER SANDF
386	399.625	389.625	DOD FORMER SANDF
387	399.65	389.65	DOD FORMER SANDF
388	399.675	389.675	DOD FORMER SANDF
389	399.7	389.7	DOD FORMER SANDF
390	399.725	389.725	DOD FORMER SANDF
391	399.75	389.75	DOD FORMER SANDF
392	399.775	389.775	DOD FORMER SANDF
393	399.8	389.8	DOD FORMER SANDF
394	399.825	389.825	DOD FORMER SANDF
395	399.85	389.85	DOD FORMER SANDF
396	399.875	389.875	DOD FORMER SANDF
397	399.9	389.9	DOD FORMER SANDF
398	399.925	389.925	DOD FORMER SANDF
399	399.95	389.95	DOD FORMER SANDF
400	399.975	389.975	DOD FORMER SANDF

1.5.2 Licensing information for the applicable frequency allocation

There are 2 760 Licenses issued in this band for both BTX and MTX as well as single frequency devices

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1.5.3 Areas where licensed frequencies are operational.



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1.6 Applicable Frequency Allocation and Band information 403 MHz to 406 MHz

Frequency Band under investigation 403 MHz to 406 MHz

METEOROLOGICAL AIDS

Mobile except aeronautical mobile

Frequency Sub bands

402 - 405 MHz - Medical Implants

402 - 406 MHz - Various SRD's

1.6.1 Channel Plan for the Frequency Allocation

Not available, no channel spacing, 10 mW, 100% duty cycle

1.6.2 Licensing information for the applicable frequency allocation

There are 1573 Licenses issued in this band

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1.6.3 Areas where licensed frequencies are operational.



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1.7 Applicable Frequency Allocation and Band information 406 MHz to 426 MHz

Use of this Band for PPDR to be studied

Frequency Band under investigation 406 MHz to 426 MHz

Frequency Sub bands

406 - 410 MHz

FIXED

MOBILE except aeronautical mobile

RADIO ASTRONOMY

Pairings

Fixed Links MTX 406.1 – 407.625 MHz paired with BTX 416.625 to 417.625 MHz Mobile MTX 406.1 – 407.625 MHz paired with BTX 416.625 to 417.625 MHz Fixed Links MTX 407.625 – 410 MHz paired with BTX 417.625 to 420 MHz Mobile MTX 407.625 – 410 MHz paired with BTX 417.625 to 420 MHz

410 to 420 MHz & 420 to 430 MHz

FIXED

MOBILE except aeronautical mobile

SPACE RESEARCH (space to space) in Band 410 to 420 MHz

Pairings

Mobile MTX 410 – 413 MHz paired with BTX 420 to 423 MHz

Mobile Data MTX 413 – 413.7625 MHz paired with BTX 423 to 423.7625 MHz

Digital Trunking MTX 413.7625 – 416.1 MHz paired with BTX 423.7625 to 426.1 MHz

Mobile BTX 416.1 – 417.625 MHz paired with MTX 406.1 to 407.625 MHz

FIXED Single Frequency Links 426.1 to 430 MHz

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1.7.1 Channel Plan for the Frequency Allocation

			375/407.5875_409.9875MHz 2006(12.5
CH. No.	BTX 417.5875	MTX 407.5875	REMARKS ADDITIONAL SAPS
2	417.6	407.6	ADDITIONAL SAPS
3	417.6125	407.6125	ADDITIONAL SAPS
5	417.625	407.625	SAPS SAPS
6	417.6375 417.65	407.6375 407.65	SAPS
7	417.6625	407.6625	SAPS
8	417.675	407.675	SAPS
9 10	417.6875 417.7	407.6875 407.7	SAPS SAPS
11	417.7125	407.7125	SAPS
12	417.725	407.725	SAPS
13 14	417.7375 417.75	407.7375 407.75	SAPS SAPS
15	417.7625	407.7625	SAPS
16	417.775	407.775	SAPS
17	417.7875	407.7875	SAPS SAPS
18 19	417.8 417.8125	407.8 407.8125	SAPS
20	417.825	407.825	SAPS
21	417.8375	407.8375	SAPS
22 23	417.85 417.8625	407.85 407.8625	SAPS SAPS
24	417.875	407.875	SAPS
25	417.8875	407.8875	SAPS
26 27	417.9 417.9125	407.9 407.9125	SAPS SAPS
28	417.9125	407.9125	SAPS
29	417.9375	407.9375	SAPS
30	417.95	407.95 407.9625	SAPS SAPS
31 32	417.9625 417.975	407.9625	SAPS
33	417.9875	407.9875	SAPS
34	418	408	SAPS
35 36	418.0125 418.025	408.0125 408.025	SAPS SAPS
37	418.0375	408.0375	SAPS
38	418.05	408.05	SAPS
39 40	418.0625	408.0625	SAPS SAPS
41	418.075 418.0875	408.075 408.0875	SAPS
42	418.1	408.1	SAPS
43	418.1125	408.1125	SAPS
44	418.125	408.125	SAPS
CH. No.	BTX	MTX	REMARKS
	N FOR 417.5		375/407.5875_409.9875MHz 2006(12.5
CH. No. 45	BTX 418.1375	MTX 408.1375	REMARKS SAPS
46	418.15	408.15	SAPS
47	418.1625	408.1625	SAPS
48 49	418.175 418.1875	408.175 408.1875	SAPS SAPS
50	418.1875	408.1875	SAPS
51	418.2125	408.2125	SAPS
52	418.225	408.225	SAPS
53 54	418.2375 418.25	408.2375 408.25	SAPS SAPS
55	418.2625	408.2625	SAPS
56	418.275	408.275	SAPS
57 58	418.2875	408.2875	SAPS SAPS
58 59	418.3 418.3125	408.3 408.3125	SAPS
60			SAPS
	418.325	408.325	
61	418.3375	408.3375	SAPS
61 62	418.3375 418.35	408.3375 408.35	SAPS SAPS
61	418.3375	408.3375	SAPS
61 62 63 64 65	418.3375 418.35 418.3625 418.375 418.3875	408.3375 408.35 408.3625 408.375 408.3875	SAPS SAPS SAPS SAPS SAPS
61 62 63 64 65 66	418.3375 418.35 418.3625 418.375 418.3875 418.4	408.3375 408.35 408.3625 408.375 408.3875 408.4	SAPS SAPS SAPS SAPS SAPS SAPS
61 62 63 64 65 66 67	418.3375 418.35 418.3625 418.375 418.3875 418.4 418.4125	408.3375 408.3625 408.3625 408.375 408.3875 408.4 408.4125	SAPS SAPS SAPS SAPS SAPS SAPS SAPS SAPS
61 62 63 64 65 66 67 68 69	418.3375 418.365 418.3625 418.375 418.3875 418.4 418.4125 418.425 418.4375	408.3375 408.35 408.3625 408.375 408.3875 408.4 408.4125 408.425 408.4375	SAPS SAPS SAPS SAPS SAPS SAPS SAPS SAPS
61 62 63 64 65 66 67 68 69 70	418.3375 418.3625 418.3625 418.375 418.3875 418.4 418.4125 418.425 418.425 418.4375	408.3375 408.35 408.3625 408.375 408.3875 408.44 408.4125 408.425 408.4375 408.45	SAPS SAPS SAPS SAPS SAPS SAPS SAPS SAPS
61 62 63 64 65 66 67 68 69	418.3375 418.35 418.3625 418.3875 418.3875 418.4 418.4125 418.425 418.4375 418.45 418.45	408.3375 408.35 408.3625 408.375 408.3875 408.4 408.4125 408.425 408.4375 408.45 408.4625	SAPS SAPS SAPS SAPS SAPS SAPS SAPS SAPS
61 62 63 64 65 66 67 68 69 70 71 71 72 73	418.3375 418.35 418.3625 418.375 418.3875 418.44 418.4125 418.425 418.425 418.4575 418.4575 418.4625 418.475 418.475	408.3375 408.35 408.3625 408.375 408.3875 408.4 408.4125 408.425 408.4375 408.45 408.45 408.475 408.4875	SAPS SAPS SAPS SAPS SAPS SAPS SAPS SAPS
61 62 63 64 65 66 67 68 69 70 71 72 73	418.3375 418.35 418.3625 418.375 418.3875 418.4875 418.4125 418.425 418.4375 418.45 418.4525 418.4875 418.4875 418.4875 418.4875 418.4875	408.3375 408.35 408.3625 408.375 408.3875 408.4125 408.425 408.425 408.425 408.45 408.45 408.45 408.45 408.4625 408.475 408.4875	SAPS SAPS SAPS SAPS SAPS SAPS SAPS SAPS
61 62 63 64 65 66 67 68 69 70 71 72 73 74	418.3375 418.3625 418.375 418.375 418.3875 418.4 418.4125 418.425 418.425 418.45 418.45 418.45 418.45 418.45 418.45 418.45 418.45 418.45 418.45 418.45	408.3375 408.355 408.3625 408.375 408.3875 408.4 408.4125 408.425 408.45 408.45 408.45 408.45 408.45 408.45 408.45 408.45	SAPS SAPS SAPS SAPS SAPS SAPS SAPS SAPS
61 62 63 64 65 66 67 68 69 70 71 72 73	418.3375 418.35 418.3625 418.375 418.3875 418.44 418.4125 418.425 418.425 418.4575 418.45 418.45 418.45 418.45 418.45 418.525 418.525	408.3375 408.3625 408.3625 408.375 408.3875 408.4125 408.425 408.425 408.4375 408.45 408.4625 408.475 408.45 408.45 408.525	SAPS SAPS SAPS SAPS SAPS SAPS SAPS SAPS
61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77	418.3375 418.35 418.3625 418.3625 418.375 418.48 418.4125 418.425 418.425 418.425 418.45 418.45 418.45 418.45 418.45 418.45 418.5125 418.525 418.5375 418.55	408.3375 408.3625 408.3625 408.375 408.375 408.48 408.4125 408.425 408.4375 408.45 408.4625 408.4875 408.55 408.55	SAPS SAPS SAPS SAPS SAPS SAPS SAPS SAPS
61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78	418.3375 418.3625 418.3625 418.375 418.3875 418.4125 418.425 418.425 418.4375 418.45 418.4525 418.475 418.4875 418.5125 418.525 418.525 418.525 418.525 418.525	408.3375 408.355 408.3625 408.375 408.3875 408.4 408.4125 408.425 408.4375 408.45 408.4875 408.4875 408.5125 408.5125 408.5375 408.555 408.555	SAPS SAPS SAPS SAPS SAPS SAPS SAPS SAPS
61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80	418.3375 418.3625 418.375 418.375 418.3875 418.4125 418.425 418.425 418.45 418.45 418.45 418.45 418.5125 418.525 418.525 418.525 418.575 418.555 418.555 418.555	408.3375 408.355 408.3625 408.375 408.3875 408.48125 408.425 408.4375 408.45 408.455 408.455 408.455 408.555 408.555 408.555 408.555 408.555 408.555 408.555	SAPS SAPS SAPS SAPS SAPS SAPS SAPS SAPS
61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80	418.3375 418.3625 418.3625 418.375 418.3875 418.4125 418.425 418.425 418.4375 418.45 418.4525 418.4575 418.5125 418.525 418.525 418.525 418.555 418.5575 418.5575	408.3375 408.3625 408.375 408.375 408.3875 408.4 408.4125 408.425 408.4375 408.4875 408.4875 408.4875 408.525 408.525 408.525 408.525 408.555 408.555 408.555	SAPS SAPS SAPS SAPS SAPS SAPS SAPS SAPS
61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 78 80 81 82 83	418.3375 418.3625 418.375 418.375 418.3875 418.4125 418.425 418.425 418.45 418.45 418.45 418.45 418.5125 418.525 418.525 418.525 418.575 418.555 418.555 418.555	408.3375 408.355 408.3625 408.375 408.3875 408.48125 408.425 408.4375 408.45 408.455 408.455 408.455 408.555 408.555 408.555 408.555 408.555 408.555 408.555	SAPS SAPS SAPS SAPS SAPS SAPS SAPS SAPS
61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 80 81 82 83 84	418.3375 418.3625 418.3625 418.375 418.3875 418.4375 418.425 418.425 418.425 418.4525 418.4525 418.4575 418.525 418.5375 418.5375 418.5625 418.575 418.6625 418.6125 418.6125 418.6125 418.6125 418.6125 418.6125 418.6125 418.6125 418.6125 418.6125 418.6125 418.6125 418.6125 418.6125 418.6125	408.3375 408.355 408.3625 408.375 408.3875 408.4 408.4125 408.425 408.4625 408.4625 408.4625 408.5125 408.5125 408.5375 408.5125 408.5375 408.5575 408.575 408.575 408.575 408.575 408.575 408.575 408.625	SAPS SAPS SAPS SAPS SAPS SAPS SAPS SAPS
61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84	418.3375 418.3625 418.375 418.3875 418.3875 418.41445 418.425 418.425 418.45 418.45 418.45 418.45 418.5125 418.525 418.525 418.525 418.555 418.557 418.557 418.5675 418.6125 418.6125 418.6375	408.3376 408.355 408.3625 408.375 408.3875 408.48 408.4125 408.425 408.45 408.45 408.45 408.45 408.45 408.55 408.5125 408.525 408.525 408.575 408.575 408.575 408.575 408.575 408.575 408.6375	SAPS SAPS SAPS SAPS SAPS SAPS SAPS SAPS
61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 67 77 88 80 81 82 83 84 85 88	418.3375 418.3625 418.3625 418.375 418.3875 418.425 418.425 418.425 418.4375 418.45 418.4525 418.4575 418.457 418.525 418.625 418.625	408.3375 408.355 408.375 408.375 408.3875 408.4 408.4125 408.425 408.4375 408.45 408.4875 408.4875 408.5125 408.5125 408.5375 408.575 408.575 408.575 408.655 408.655 408.655 408.655 408.6625	SAPS SAPS SAPS SAPS SAPS SAPS SAPS SAPS
61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84	418.3375 418.3625 418.375 418.3875 418.3875 418.41445 418.425 418.425 418.45 418.45 418.45 418.45 418.5125 418.525 418.525 418.525 418.555 418.557 418.557 418.5675 418.6125 418.6125 418.6375	408.3376 408.355 408.3625 408.375 408.3875 408.48 408.4125 408.425 408.45 408.45 408.45 408.45 408.45 408.55 408.5125 408.525 408.525 408.575 408.575 408.575 408.575 408.575 408.575 408.6375	SAPS SAPS SAPS SAPS SAPS SAPS SAPS SAPS

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CH-PLA	N FOR 417.5	MTX	75/407.5875_409.9875MHz 2006(12.5k
92 93	418.725	408.725 408.7375	SAPS SAPS
93	418.7375 418.75	408.75	SAPS
95	418.7625	408.7625	SAPS
96 97	418.775 418.7875	408.775 408.7875	SAPS SAPS
98	418.8	408.8	SAPS
99	418.8125	408.8125	SAPS
100 101	418.825 418.8375	408.825 408.8375	SAPS SAPS
102	418.85	408.85	SAPS
103	418.8625	408.8625	SAPS
104 105	418.875 418.8875	408.875 408.8875	SAPS SAPS
106	418.9	408.9	SAPS
107	418.9125	408.9125	SAPS SAPS
108 109	418.925 418.9375	408.925 408.9375	SAPS
110	418.95	408.95	SAPS
111 112	418.9625 418.975	408.9625 408.975	SAPS SAPS
113	418.9875	408.9875	SAPS
114	419	409	SAPS
115 116	419.0125 419.025	409.0125 409.025	SAPS SAPS
117	419.0375	409.0375	SAPS
118	419.05	409.05	SAPS
119 120	419.0625 419.075	409.0625 409.075	SAPS SAPS
121	419.0875	409.0875	SAPS
122 123	419.1 419.1125	409.1 409.1125	SAPS SAPS
123	419.1125	409.1125	SAPS
125	419.1375	409.1375	SAPS
126 127	419.15 419.1625	409.15 409.1625	SAPS SAPS
128	419.175	409.175	SAPS
129	419.1875	409.1875	SAPS
130 131	419.2 419.2125	409.2 409.2125	SAPS SAPS
132	419.225	409.225	SAPS
133 134	419.2375 419.25	409.2375 409.25	SAPS SAPS
135	419.2625	409.2625	SAPS
136	419.275	409.275	SAPS
137 138	419.2875 419.3	409.2875 409.3	SAPS SAPS
	BTX	MTX	REMARKS
CH. No.			
CH-PLA	N FOR 417.5		75/407.5875_409.9875MHz 2006(12.5k
CH-PLA CH. No.	N FOR 417.5	MTX	REMARKS
CH-PLA CH. No. 139 140	N FOR 417.5 BTX 419.3125 419.325	MTX 409.3125 409.325	REMARKS SAPS SAPS
CH-PLA CH. No. 139 140 141	N FOR 417.5 BTX 419.3125 419.325 419.3375	MTX 409.3125 409.325 409.3375	REMARKS SAPS SAPS SAPS SAPS
CH-PLA CH. No. 139 140	N FOR 417.5 BTX 419.3125 419.325	MTX 409.3125 409.325 409.3375 409.35 409.3625	REMARKS SAPS SAPS
CH-PLA CH. No. 139 140 141 142 143 144	N FOR 417.5 BTX 419.3125 419.325 419.3375 419.3625 419.3625 419.375	MTX 409.3125 409.325 409.3375 409.35 409.3625 409.375	REMARKS SAPS SAPS SAPS SAPS SAPS SAPS SAPS SA
CH-PLA CH. No. 139 140 141 142 143	N FOR 417.5 BTX 419.3125 419.325 419.3375 419.35 419.3625	MTX 409.3125 409.325 409.3375 409.35 409.3625	REMARKS SAPS SAPS SAPS SAPS SAPS SAPS SAPS SA
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147	N FOR 417.5 BTX 419.3125 419.325 419.3375 419.35 419.3625 419.375 419.3875 419.4 419.4125	MTX 409.3125 409.325 409.3375 409.35 409.3625 409.375 409.3875 409.4 409.4125	REMARKS SAPS SAPS SAPS SAPS SAPS SAPS SAPS SA
CH-PLA CH. No. 139 140 141 142 143 144 145 146	N FOR 417.5 BTX 419.3125 419.325 419.325 419.3375 419.3625 419.375 419.4 419.4125 419.425	MTX 409.3125 409.325 409.3375 409.35 409.3625 409.375 409.3875 409.3875	REMARKS SAPS SAPS SAPS SAPS SAPS SAPS SAPS SA
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 149	N FOR 417.5 BTX 419.3125 419.325 419.325 419.35 419.35 419.3625 419.3625 419.3675 419.4125 419.4125 419.425 419.4375 419.45	MTX 409.3125 409.325 409.3375 409.35 409.3625 409.3625 409.3675 409.4125 409.4125 409.4375 409.45	REMARKS SAPS SAPS SAPS SAPS SAPS SAPS SAPS SA
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 149 150	N FOR 417.5 BTX 419.3125 419.325 419.325 419.357 419.35 419.3625 419.375 419.47 419.4125 419.425 419.4375 419.4625	MTX 409.3125 409.325 409.3375 409.355 409.355 409.3625 409.375 409.3875 409.4125 409.425 409.4575 409.4625	REMARKS SAPS SAPS SAPS SAPS SAPS SAPS SAPS SA
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 149	N FOR 417.5 BTX 419.3125 419.325 419.325 419.35 419.35 419.3625 419.3625 419.3675 419.4125 419.4125 419.425 419.4375 419.45	MTX 409.3125 409.325 409.327 409.35 409.35 409.35 409.375 409.375 409.4 409.4125 409.425 409.4375 409.45 409.457 409.475	REMARKS SAPS SAPS SAPS SAPS SAPS SAPS SAPS SA
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153	N FOR 417.5 BTX 419.3125 419.325 419.325 419.35 419.35 419.3625 419.375 419.3875 419.419.4125 419.425 419.4375 419.45 419.457 419.45	MTX 409.3125 409.325 409.325 409.35 409.35 409.35 409.375 409.375 409.4125 409.425 409.425 409.425 409.45 409.475 409.4875	REMARKS SAPS
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154	N FOR 417.5 BTX 419.3125 419.325 419.325 419.387 419.387 419.387 419.3875 419.425 419.425 419.426 419.426 419.457 419.457 419.457 419.4625 419.4625 419.4675 419.4675 419.4675 419.5125	MTX 409.3125 409.325 409.325 409.355 409.3625 409.375 409.3875 409.4125 409.4125 409.425 409.425 409.4575 409.4875 409.4875 409.4875 409.5125	REMARKS SAPS SAPS SAPS SAPS SAPS SAPS SAPS SA
CH-PLA CH. No. 139 149 1441 1442 1443 1444 145 146 147 148 149 150 151 152 153 154 155 156	N FOR 417.5 BTX 419.3125 419.325 419.325 419.337 419.35 419.365 419.375 419.375 419.4 419.4125 419.425 419.45 419.45 419.45 419.45 419.45 419.45 419.45 419.45 419.45 419.45 419.45 419.45 419.45 419.45 419.5125 419.5125 419.525	MTX 409.3125 409.325 409.3275 409.357 409.35 409.3625 409.375 409.4125 409.4125 409.425 409.426 409.494 409.495 409.495 409.495 409.495 409.495 409.495 409.495 409.495 409.5125 409.5125 409.525 409.525	REMARKS SAPS
CH-PLA CH. No. 139 149 1441 1442 143 1444 145 146 147 148 149 150 151 152 153 154 155 156 157 158	N FOR 417.5 BTX 419.3125 419.325 419.325 419.35 419.3625 419.375 419.3875 419.425 419.425 419.425 419.425 419.4875 419.4875 419.55 419.55	MTX 409.3125 409.325 409.325 409.325 409.35 409.3625 409.375 409.375 409.4125 409.425 409.4375 409.45 409.49 409.49 409.49 409.49 409.49 409.49 409.49 409.49 409.49 409.49 409.535 409.535 409.535 409.535 409.535 409.535	REMARKS SAPS SAPS SAPS SAPS SAPS SAPS SAPS SA
CH-PLA CH. No. 139 149 1441 1442 1443 1444 145 146 147 148 149 150 151 152 153 154 155 156	N FOR 417.5 BTX 419.3125 419.325 419.325 419.337 419.35 419.365 419.375 419.375 419.4 419.4125 419.425 419.45 419.45 419.45 419.45 419.45 419.45 419.45 419.45 419.45 419.45 419.45 419.45 419.45 419.45 419.5125 419.5125 419.525	MTX 409.3125 409.325 409.3275 409.357 409.35 409.3625 409.375 409.4125 409.4125 409.425 409.426 409.494 409.495 409.495 409.495 409.495 409.495 409.495 409.495 409.495 409.5125 409.5125 409.525 409.525	REMARKS SAPS
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160	N FOR 417.5 BTX 419.3125 419.325 419.325 419.337 419.35 419.3625 419.375 419.3875 419.425 419.425 419.425 419.4375 419.45 419.45 419.45 419.5125 419.5125 419.5375 419.5375 419.5625 419.575 419.5625 419.575 419.575	MTX 409.3125 409.325 409.327 409.327 409.387 409.3625 409.375 409.4125 409.4125 409.4375 409.45 409.45 409.45 409.45 409.45 409.5625 409.5375 409.5625 409.5625 409.575	REMARKS SAPS
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 150 151 155 155 156 157 158 159 160 161	N FOR 417.5 BTX 419.3125 419.325 419.325 419.387 419.387 419.3875 419.3875 419.487 419.4875 419.48625 419.4875 419.4855 419.4855 419.4855 419.5125 419.526 419.526 419.526 419.526 419.576 419.576 419.576 419.576 419.576 419.577 419.577	MTX 409.3125 409.325 409.325 409.357 409.35 409.3625 409.375 409.4 409.4125 409.425 409.457 409.475 409.475 409.525 409.525 409.525 409.525 409.525 409.525 409.575 409.575 409.575 409.625	REMARKS SAPS SAPS SAPS SAPS SAPS SAPS SAPS SA
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 149 150 151 151 152 153 154 155 156 157 158 159 160 161 162 163 164	N FOR 417.5 BTX 419.3125 419.325 419.325 419.387 419.387 419.387 419.3875 419.47 419.4125 419.425 419.425 419.457 419.45 419.45 419.457 419.457 419.5125 419.525 419.525 419.525 419.526 419.527 419.5875 419.5875 419.5875 419.5875 419.6125	MTX 409.3125 409.325 409.325 409.355 409.355 409.375 409.375 409.4125 409.4125 409.425 409.425 409.475 409.475 409.525 409.525 409.525 409.525 409.525 409.575 409.575 409.575 409.575 409.675	REMARKS SAPS
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 159 169 160 161 162 163 164	N FOR 417.5 BTX 419.3125 419.325 419.327 419.35 419.3625 419.375 419.387 419.44 419.4125 419.425 419.425 419.45 419.45 419.45 419.45 419.45 419.475 419.4875 419.5125 419.525	MTX 409.3125 409.325 409.325 409.3375 409.35 409.3625 409.375 409.4125 409.425 409.425 409.425 409.4575 409.45 409.45 409.45 409.45 409.575 409.575 409.575 409.5875 409.5875 409.5875 409.5875 409.6125 409.6125 409.625 409.625 409.626	REMARKS SAPS SAPS SAPS SAPS SAPS SAPS SAPS SA
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 149 150 151 151 152 153 154 155 156 157 158 159 160 161 162 163 164	N FOR 417.5 BTX 419.3125 419.325 419.325 419.387 419.387 419.387 419.3875 419.47 419.4125 419.425 419.425 419.457 419.45 419.45 419.457 419.457 419.5125 419.525 419.525 419.525 419.526 419.527 419.5875 419.5875 419.5875 419.5875 419.625	MTX 409.3125 409.325 409.325 409.355 409.355 409.375 409.375 409.4125 409.4125 409.425 409.425 409.475 409.475 409.525 409.525 409.525 409.525 409.525 409.575 409.575 409.575 409.575 409.675	REMARKS SAPS SAPS SAPS SAPS SAPS SAPS SAPS SA
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 155 156 157 158 159 160 161 162 163 164 165 166 167 168	N FOR 417.5 BTX 419.3125 419.325 419.3375 419.35 419.3825 419.375 419.3875 419.425 419.425 419.425 419.4575 419.455 419.455 419.455 419.525 419.525 419.525 419.525 419.525 419.525 419.525 419.525 419.525 419.525 419.525 419.625 419.625 419.625 419.625 419.625 419.625 419.625 419.625 419.625 419.625 419.625 419.625 419.625 419.625 419.625 419.625 419.625	MTX 409.3125 409.325 409.327 409.327 409.357 409.357 409.375 409.47 409.4125 409.425 409.425 409.425 409.475 409.5125 409.525 409.625 409.625 409.625 409.625 409.625	REMARKS SAPS SAP
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 150 151 152 153 154 155 158 159 160 161 162 163 164 165 166 167 168	N FOR 417.5 BTX 419.3125 419.325 419.325 419.325 419.357 419.3875 419.3875 419.425 419.425 419.425 419.425 419.425 419.425 419.425 419.475 419.525 419.625 419.625 419.625 419.625	MTX 409.3125 409.325 409.3375 409.3375 409.355 409.355 409.375 409.47 409.4125 409.425 409.475 409.45 409.475 409.45 409.5125 409.5125 409.5125 409.525 409.625 409.625	REMARKS SAPS SAPS SAPS SAPS SAPS SAPS SAPS SA
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 150 151 152 153 154 155 156 156 157 158 158 159 160 161 161 162 163 164 167 168 167 168	N FOR 417.5 BTX 419.3125 419.325 419.325 419.387 419.387 419.387 419.387 419.487 419.4125 419.425 419.425 419.487 419.4875 419.4875 419.525 419.625 419.625 419.625 419.625 419.625 419.625 419.625 419.625 419.625 419.625 419.625 419.625 419.625 419.625 419.625 419.625 419.625	MTX 409.3125 409.325 409.325 409.337 409.35 409.35 409.375 409.375 409.4 409.4125 409.4375 409.45 409.45 409.475 409.475 409.5125 409.525 409.625 409.6375 409.6375 409.6375 409.6375 409.6375 409.6375 409.6375 409.6375 409.6375 409.6375 409.6375 409.6375 409.6375 409.6375 409.6375 409.6375 409.6375	REMARKS SAPS SAP
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 177	N FOR 417.5 BTX 419.3125 419.325 419.337 419.325 419.35 419.3825 419.375 419.387 419.425 419.425 419.425 419.425 419.45 419.45 419.45 419.5125 419.525 419.5375 419.525 419.5375 419.625	MTX 409.3125 409.325 409.327 409.327 409.357 409.357 409.375 409.375 409.4125 409.4125 409.425 409.4375 409.45 409.45 409.45 409.5125 409.5125 409.525 409.525 409.525 409.525 409.525 409.525 409.525 409.525 409.625	REMARKS SAPS SAP
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 149 150 151 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 177 172	N FOR 417.5 BTX 419.3125 419.325 419.325 419.387 419.387 419.387 419.387 419.425 419.425 419.425 419.425 419.425 419.457 419.45 419.4625 419.475 419.525 419.525 419.525 419.525 419.525 419.525 419.525 419.525 419.526 419.526 419.625 419.6375 419.6375 419.6375 419.6375 419.6375 419.725 419.725	MTX 409.3125 409.325 409.325 409.325 409.355 409.3625 409.375 409.4 409.4125 409.425 409.4375 409.45 409.4525 409.475 409.525 409.525 409.525 409.525 409.525 409.525 409.6375 409.6375 409.625 409.6375 409.7125	REMARKS SAPS SAP
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 156 157 158 159 160 161 162 163 164 165 166 167 168 168 168 169 170 171 172 173 174	N FOR 417.5 BTX 419.3125 419.325 419.325 419.3625 419.375 419.387 419.387 419.387 419.425 419.425 419.425 419.425 419.457 419.45 419.45 419.525 419.525 419.525 419.525 419.526 419.625 419.6375 419.6625 419.675 419.675 419.675 419.675 419.675 419.7725 419.7725	MTX 409.3125 409.325 409.325 409.325 409.355 409.3625 409.376 409.48 409.4125 409.4125 409.45 409.45 409.45 409.45 409.45 409.45 409.525 409.525 409.525 409.525 409.525 409.525 409.525 409.625 409.6875 409.6875 409.6825 409.6825 409.6875 409.6825 409.6875 409.6825 409.6875 409.6825 409.6875 409.6825 409.6875 409.6825 409.6875 409.6825 409.6875 409.6825 409.6875 409.6825 409.6875 409.6825 409.6875 409.6825 409.6875 409.7825 409.7825 409.7825	REMARKS SAPS SAP
CH-PLA CH. No. 139 140 141 142 143 1441 145 146 147 148 149 150 151 152 153 154 155 156 167 160 161 162 163 164 165 166 167 168 169 170 170 177 177 177 177	N FOR 417.5 BTX 419.3125 419.325 419.325 419.337 419.38 419.3825 419.387 419.387 419.387 419.425 419.425 419.425 419.425 419.437 419.45 419.45 419.45 419.587 419.587 419.587 419.587 419.587 419.587 419.625 419.725 419.725 419.725 419.725 419.725	MTX 409.3125 409.325 409.325 409.325 409.335 409.35 409.3625 409.375 409.4125 409.425 409.425 409.4375 409.45 409.45 409.45 409.535 409.525 409.525 409.525 409.525 409.525 409.6625 409.6625 409.675 409.675 409.675 409.675 409.675 409.725	REMARKS SAPS SAP
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 156 157 158 159 160 161 162 163 164 165 166 167 168 168 168 169 170 171 172 173 174	N FOR 417.5 BTX 419.3125 419.325 419.325 419.3625 419.375 419.387 419.387 419.387 419.425 419.425 419.425 419.425 419.457 419.45 419.45 419.525 419.525 419.525 419.525 419.526 419.625 419.6375 419.6625 419.675 419.675 419.675 419.675 419.675 419.7725 419.7725	MTX 409.3125 409.325 409.325 409.325 409.355 409.3625 409.376 409.48 409.4125 409.4125 409.45 409.45 409.45 409.45 409.45 409.45 409.525 409.525 409.525 409.525 409.525 409.525 409.525 409.625 409.6875 409.6875 409.6825 409.6825 409.6875 409.6825 409.6875 409.6825 409.6875 409.6825 409.6875 409.6825 409.6875 409.6825 409.6875 409.6825 409.6875 409.6825 409.6875 409.6825 409.6875 409.6825 409.6875 409.6825 409.6875 409.7825 409.7825 409.7825	REMARKS SAPS SAP
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 156 157 158 159 160 161 162 163 164 164 167 168 169 170 171 172 173 174 175 176 177 177	N FOR 417.5 BTX 419.3125 419.325 419.325 419.325 419.35 419.3625 419.375 419.425 419.425 419.425 419.4375 419.45 419.45 419.45 419.45 419.5125 419.5375 419.525 419.5375 419.625 419.6375 419.625 419.6375 419.6375 419.655 419.7375 419.7375 419.7375 419.756 419.756 419.756 419.756 419.756 419.756 419.756 419.756 419.756 419.7575 419.7625	MTX 409.3125 409.325 409.325 409.325 409.355 409.3625 409.375 409.47 409.4125 409.425 409.425 409.4875 409.525 409.525 409.525 409.525 409.525 409.525 409.625	REMARKS SAPS SAP
CH-PLA CH. No. CH. No. 139 140 141 142 143 1441 145 146 147 148 149 150 151 152 153 154 155 156 167 168 169 160 161 162 163 164 165 166 167 168 169 170 177 177 177 177 177 177 177 177 177	N FOR 417.5 BTX 419.3125 419.325 419.325 419.35 419.3625 419.375 419.425 419.425 419.425 419.425 419.425 419.425 419.425 419.45 419.45 419.475 419.5125 419.525 419.525 419.525 419.525 419.625 419.725 419.725 419.725 419.725 419.725 419.725 419.725 419.725 419.7375	MTX 409.3125 409.325 409.325 409.325 409.35 409.35 409.35 409.3625 409.375 409.4 409.4125 409.4375 409.45 409.45 409.45 409.475 409.5125 409.5125 409.525 409.625 409.625 409.625 409.725 409.725 409.725 409.725 409.725 409.725 409.725 409.725 409.725 409.725 409.725 409.725 409.725 409.725 409.725 409.725	REMARKS SAPS SAP
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 156 157 158 159 160 161 162 163 164 164 167 168 169 170 171 172 173 174 175 176 177 177	N FOR 417.5 BTX 419.3125 419.325 419.325 419.325 419.35 419.3625 419.375 419.425 419.425 419.425 419.4375 419.45 419.45 419.45 419.45 419.5125 419.5375 419.525 419.5375 419.625 419.6375 419.625 419.6375 419.6375 419.655 419.7375 419.7375 419.7375 419.756 419.756 419.756 419.756 419.756 419.756 419.756 419.756 419.756 419.7575 419.7625	MTX 409.3125 409.325 409.325 409.325 409.355 409.355 409.375 409.375 409.4 409.4125 409.4375 409.45 409.4525 409.475 409.525 409.525 409.525 409.525 409.525 409.525 409.6375 409.6875 409.6875 409.6875 409.6875 409.625 409.625 409.625 409.725 409.825 409.8375	REMARKS SAPS SAP
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181	N FOR 417.5 BTX 419.3125 419.325 419.325 419.325 419.35 419.3625 419.375 419.387 419.425 419.425 419.425 419.4375 419.45 419.45 419.45 419.525 419.525 419.525 419.525 419.625 419.725 419.725 419.725 419.7375 419.735 419.7375 419.7375 419.7375 419.7375 419.7375 419.7375 419.7375 419.7375 419.7375 419.7375 419.825 419.8375 419.8375 419.8375 419.8375 419.8375	MTX 409.3125 409.325 409.327 409.327 409.357 409.357 409.375 409.375 409.4125 409.4125 409.425 409.425 409.425 409.45 409.45 409.5125 409.5125 409.525 409.525 409.525 409.525 409.625 409.725 409.725 409.7375 409.7375 409.7825 409.7825 409.7836 409.78375 409.7825 409.78375 409.78375 409.78375 409.78375 409.78375 409.78375 409.78375 409.78375 409.78375 409.78375 409.825 409.825	REMARKS SAPS SAP
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 156 167 168 169 160 161 161 162 163 164 165 166 167 168 168 169 170 171 172 173 174 175 176 177 178 180 181 182 183	N FOR 417.5 BTX 419.3125 419.325 419.325 419.365 419.365 419.375 419.387 419.387 419.425 419.425 419.425 419.425 419.425 419.457 419.4625 419.475 419.525 419.525 419.525 419.525 419.526 419.525 419.626 419.626 419.627 419.628	MTX 409.3125 409.325 409.325 409.325 409.355 409.3625 409.375 409.4 409.4125 409.425 409.425 409.475 409.475 409.525 409.625 409.625 409.725 409.725 409.725 409.725 409.725 409.725 409.725 409.725 409.725 409.725 409.725 409.725 409.725 409.7875 409.7875 409.7875 409.825 409.825 409.825 409.825 409.825 409.825 409.825 409.825 409.825	REMARKS SAPS SAP
CH-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 168 169 170 171 173 174 175 176 177 178 179 180 181 182 183 184	N FOR 417.5 BTX 419.3125 419.325 419.325 419.387 419.387 419.387 419.387 419.387 419.387 419.494 419.4125 419.425 419.4375 419.45 419.45 419.45 419.45 419.45 419.525 419.525 419.525 419.525 419.625 419.725 419.725 419.725 419.735 419.725 419.775 419.775 419.775 419.775 419.7875 419.825 419.825 419.825 419.825 419.825 419.825 419.825 419.825 419.825 419.825 419.825 419.825 419.825 419.825 419.825 419.825 419.825 419.8375 419.875	MTX 409.3125 409.325 409.325 409.325 409.355 409.3625 409.375 409.48 409.4125 409.48 409.4125 409.48 409.48 409.48 409.48 409.48 409.525 409.625 409.625 409.625 409.625 409.625 409.625 409.725 409.735 409.735 409.78 409.78 409.78 409.785 409.825 409.825 409.825 409.825 409.825	REMARKS SAPS SAP
CH-PLA CH. No. CH. No. CH. No. CH. No. CH. No. CH. No. CH. No. CH. No. CH. No. CH. No. CH. No. CH. No. CH. No. CH. No. CH. No.	N FOR 417.5 BTX 419.3125 419.325 419.325 419.325 419.3625 419.375 419.425 419.425 419.425 419.425 419.425 419.425 419.475 419.4875 419.525 419.525 419.525 419.5625 419.6375 419.725 419.7375 419.7375 419.7375 419.7375 419.7375 419.7375 419.7375 419.7375 419.7375 419.7375 419.7375 419.7375 419.7375 419.7375 419.825 419.825 419.825 419.825 419.8375 419.825 419.8375 419.855 419.865	MTX 409.3125 409.325 409.325 409.325 409.35 409.35 409.35 409.3625 409.375 409.4 409.4125 409.4375 409.45 409.45 409.45 409.45 409.475 409.51 409.51 409.51 409.525 409.625 409.625 409.625 409.625 409.725 409.8375 409.825	REMARKS SAPS SAP
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CH-PLA CH. No.	N FOR 417.5 BTX 419.3125 419.325 419.325 419.325 419.387 419.387 419.387 419.387 419.425 419.425 419.4375 419.425 419.4375 419.45 419.45 419.45 419.45 419.525 419.525 419.525 419.525 419.525 419.625 419.725 419.725 419.725 419.735 419.725 419.735 419.735 419.735 419.735 419.735 419.735 419.735 419.735 419.735 419.735 419.735 419.735 419.735 419.735 419.735 419.735 419.735 419.735 419.735 419.825 419.825 419.825 419.8375 419.8375 419.8375 419.8375 419.8375 419.8375 419.8375 419.8375 419.8375 419.8375 419.8375 419.8375 419.8375 419.8375 419.8375 419.8375 419.8375	MTX 409.3125 409.325 409.325 409.325 409.355 409.3625 409.375 409.48 409.4125 409.4125 409.425 409.4875 409.45 409.4875 409.525 409.725 409.825 409.825 409.825 409.8275 409.8275 409.8275 409.8275 409.8275 409.8275 409.8275 409.8275 409.8275 409.8275 409.8275 409.8275 409.8275 409.8775 409.8775 409.8775 409.8775 409.8775 409.8775 409.8775 409.8775	REMARKS SAPS SAP
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CH-PLA CH. No. CH. No. 139 140 141 142 143 1441 145 146 147 148 149 150 151 152 153 154 155 156 167 158 159 160 161 162 163 164 167 168 169 170 171 172 173 174 175 177 178 189 180 181 181 181 182 183 184 185 CH. No. CH-PLA CH. No. CH-PLA CH. No. 186 187	N FOR 417.5 BTX 419.3125 419.325 419.325 419.337 419.38 419.3825 419.387 419.387 419.425 419.425 419.425 419.425 419.425 419.425 419.425 419.425 419.425 419.425 419.425 419.425 419.425 419.525 419.525 419.525 419.525 419.525 419.525 419.625 419.725 419.725 419.725 419.725 419.735 419.735 419.785 419.78625 419.78625 419.78625 419.78625 419.78625 419.78625 419.78625 419.8875 419.8875 419.8875 419.8875 419.8875 419.8875 BTX N FOR 417.5 BTX N FOR 417.5	MTX 409.3125 409.325 409.327 409.327 409.327 409.327 409.327 409.327 409.375 409.4125 409.4125 409.425 409.425 409.4375 409.45 409.45 409.45 409.5125 409.5125 409.525 409.525 409.525 409.525 409.525 409.625 409.725 409.825 409.8375 409.825 409.825 409.825 409.825 409.825 409.825 409.8375 MTX 875 419.987	REMARKS SAPS SAPS SAPS SAPS SAPS SAPS SAPS SA
CH-PLA CH. No. CH. Ro. CH. Ro. CH. No. CH. Ro. CH. No. CH. Ro.	N FOR 417.5 BTX 419.3125 419.325 419.325 419.326 419.327 419.387 419.387 419.387 419.387 419.425 419.425 419.425 419.425 419.425 419.45 419.45 419.525 419.525 419.525 419.525 419.625 419.625 419.626 419.626 419.626 419.627 419.737 419.875 419.875 419.875 419.875 419.875 419.875 419.875 419.875 419.875 419.875 419.775 419.775 419.775 419.775 419.775 419.775 419.825 419.8375 419.825 419.8375 419.9375	MTX 409.3125 409.325 409.325 409.325 409.355 409.3625 409.375 409.48 409.4125 409.4125 409.48 409.48 409.48 409.48 409.48 409.48 409.48 409.525 409.625 409.775 409.78 409.78 409.78 409.78 409.78 409.78 409.78 409.78 409.78 409.78 409.78 409.785 409.785 409.785 409.785 409.785 409.785 409.785 409.785 409.785 409.785 409.785 409.785 409.785 409.785 409.885 409.8125 409.825 409.825 409.825 409.875 409.8875 409.8875 409.8875	REMARKS SAPS SAPS SAPS SAPS SAPS SAPS SAPS SA
CH-PLA CH. No. CH. No. 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 156 157 158 159 160 161 162 163 164 164 165 167 168 169 170 171 172 173 174 175 176 177 178 177 178 179 180 181 182 183 184 185 CH. No. CH-PLA CH. No. 186 CH. No. 186 CH. No. 186 CH. No. 187 188	N FOR 417.5 BTX 419.3125 419.325 419.325 419.337 419.35 419.3625 419.375 419.425 419.425 419.425 419.425 419.4375 419.45 419.45 419.45 419.5125 419.5125 419.5375 419.525 419.525 419.625 419.625 419.625 419.625 419.625 419.77 419.77 419.8875 419.8875 419.8875 419.725 419.825 419.925 419.925 419.925 419.925	MTX 409.3125 409.325 409.325 409.325 409.355 409.3625 409.375 409.4 409.4125 409.425 409.425 409.425 409.425 409.425 409.425 409.425 409.525 409.525 409.525 409.525 409.525 409.525 409.625 409.625 409.625 409.625 409.625 409.7375 409.625 409.7375 409.785 409.785 409.785 409.885	REMARKS SAPS SAP

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DIGITAL 1	TRUNKING (TE	IKA)	
		_	10_414.975MHz 2009 (25kHz)
CH. No.	BTX	MTX	REMARKS
2	420	410 410.025	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
3	420.025 420.05	410.025	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
4	420.075	410.075	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
5	420.1	410.1	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
6	420.125	410.125	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
7	420.15	410.15	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
9	420.175 420.2	410.175 410.2	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
10	420.225	410.225	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
11	420.25	410.25	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
12	420.275	410.275	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
13	420.3	410.3	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
14	420.325	410.325	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
15	420.35	410.35 410.375	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
16 17	420.375 420.4	410.375	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
18	420.425	410.425	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
19	420.45	410.45	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
20	420.475	410.475	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
21	420.5	410.5	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
22	420.525	410.525	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
23	420.55	410.55	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
24 25	420.575 420.6	410.575 410.6	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
26	420.625	410.625	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
27	420.65	410.65	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
28	420.675	410.675	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDI
29	420.7	410.7	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
30	420.725	410.725	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
31	420.75 420.775	410.75 410.775	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
32 33	420.775 420.8	410.775	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
34	420.825	410.825	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
35	420.85	410.85	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
36	420.875	410.875	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
37	420.9	410.9	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
38	420.925	410.925	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
39	420.95	410.95 410.975	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
40 41	420.975 421	411	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
42	421.025	411.025	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
43			
70	421.05	411.05	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
44	421.05 421.075	411.05 411.075	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
44	421.075	411.075	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
44 CH. No.	421.075 BTX	411.075 MTX	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE REMARKS
CH. No.	421.075 BTX N FOR 420	411.075 MTX 424.975/4	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE REMARKS 10_414.975MHz 2009 (25kHz)
CH. No. CH-PLA CH. No.	421.075 BTX N FOR 420 BTX	411.075 MTX 424.975/4 MTX	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE REMARKS 10_414.975MHz 2009 (25kHz) REMARKS
CH. No.	421.075 BTX N FOR 420	411.075 MTX 424.975/4	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE REMARKS 10_414.975MHz 2009 (25kHz)
CH. No. CH-PLA CH. No. 45	421.075 BTX N FOR 420 BTX 421.1	411.075 MTX 424.975/4 MTX 411.1	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE REMARKS 10_414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
44 CH. No. CH-PLA CH. No. 45 46 47 48	BTX N FOR 420 BTX 421.11 421.125 421.15 421.175	411.075 MTX 424.975/4 MTX 411.1 411.125 411.175	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE REMARKS 10_414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
44 CH. No. CH-PLA CH. No. 45 46 47 48 49	BTX BTX BTX 421.1 421.125 421.175 421.175 421.2	411.075 MTX 424.975/4 MTX 411.1 411.125 411.175 411.175 411.2	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE REMARKS 10_414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
44 CH. No. CH. PLA CH. No. 45 46 47 48 49 50	BTX N FOR 420 BTX 421.1 421.125 421.175 421.175 421.225	411.075 MTX 424.975/4 MTX 411.1 411.125 411.175 411.2 411.225	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51	BTX BTX 421.175 421.125 421.175 421.225 421.225	411.075 MTX 424.975/4 MTX 411.1 411.125 411.175 411.2 411.225 411.25	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDING REMARKS 10_414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDING REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDING REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDING REMAINS AND PUBLIC
44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52	BTX N FOR 420 BTX 421.1 421.125 421.15 421.25 421.25 421.25 421.275	411.075 MTX 424.975/4 MTX 411.1 411.125 411.175 411.225 411.225 411.275	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDING REMARKS 10_414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDING REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDING REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDING REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDING REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDING REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDING REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDING REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDING REMARKS
44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54	BTX BTX 421.17 421.125 421.175 421.25 421.25 421.25 421.25 421.275 421.33	411.075 MTX 424.975/4 MTX 411.1 411.125 411.175 411.25 411.25 411.25 411.25 411.325	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE REMARKS 10_414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE TETRA - MUN-UTILITIES AND PUBLIC - COUNT
44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55	421.075 BTX N FOR 420 BTX 421.1 421.125 421.15 421.225 421.25 421.275 421.3 421.325 421.35	411.075 MTX 424.975/4 MTX 411.1 411.125 411.175 411.225 411.275 411.275 411.31	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56	BTX BTX 421.17 421.125 421.175 421.25 421.275 421.275 421.375 421.375	411.075 MTX 424.975/4 MTX 411.1 411.175 411.25 411.25 411.25 411.375 411.35 411.375	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
44 CH. No. CH-PLA 45 46 47 48 49 50 51 52 53 54 55 56 57	BTX N FOR 420 BTX 421.1 421.125 421.15 421.25 421.25 421.275 421.325 421.325 421.375 421.375 421.375 421.4	411.075 MTX 424.975/4 MTX 411.1 411.125 411.175 411.2 411.225 411.275 411.375 411.325 411.375 411.375 411.375	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDING AND PUBLIC - PUBLIC - PUBLIC - PUBLIC - PUBLIC - PUBLIC - PUBLIC - PUBLIC - PUBLIC - PUBLIC
44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58	BTX N FOR 420 BTX 421.1 421.125 421.15 421.25 421.25 421.275 421.33 421.35 421.35 421.375 421.44 421.425	411.075 MTX 424.975/4 MTX 411.1 411.125 411.175 411.225 411.275 411.325 411.325 411.375 411.341 411.425	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
44 CH. No. CH-PLA 55 46 47 48 49 50 51 52 53 54 55 66 57	BTX N FOR 420 BTX 421.1 421.125 421.15 421.25 421.25 421.275 421.325 421.325 421.375 421.375 421.375 421.4	411.075 MTX 424.975/4 MTX 411.1 411.125 411.175 411.2 411.225 411.275 411.375 411.325 411.375 411.375 411.375	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDING AND PUBLIC - PUBLIC - PUBLIC - PUBLIC - PUBLIC - PUBLIC - PUBLIC - PUBLIC - PUBLIC - PUBLIC
44 CH. No. CH-PLA 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59	BTX N FOR 420 BTX 421.1 421.125 421.25 421.25 421.275 421.325 421.325 421.34 421.425 421.425 421.475 421.475 421.475 421.475	411.075 MTX 424.975/4 MTX 411.1 411.125 411.25 411.275 411.325 411.35 411.375 411.4 411.425 411.475 411.475 411.475	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDING AND PUBL
44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 69 60 61	BTX N FOR 420 BTX 421.1 421.125 421.15 421.25 421.25 421.275 421.325 421.325 421.375 421.34 421.44 421.425 421.45 421.475 421.525	411.075 MTX 424.975/4 MTX 411.1 411.125 411.15 411.275 411.275 411.325 411.325 411.375 411.4 411.425 411.45 411.475 411.525	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID
44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63	#21.075 BTX N FOR 420 BTX 421.1 421.125 421.15 421.25 421.25 421.275 421.3 421.325 421.35 421.41 421.425 421.475 421.55 421.55	411.075 MTX 424.975/4 MTX 411.1 411.125 411.175 411.225 411.275 411.33 411.325 411.35 411.475 411.475 411.55 411.55	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID
44 CH. No. CH-PLA 45 46 47 48 49 50 51 52 53 54 55 56 67 57 68 69 60 61 62 63 64	BTX BTX 421.075 BTX 421.1 421.125 421.175 421.25 421.25 421.375 421.35 421.35 421.35 421.475 421.475 421.475 421.475 421.475 421.475 421.475 421.475 421.575	411.075 MTX 424.975/4 MTX 411.1 411.125 411.25 411.275 411.325 411.375 411.4 411.425 411.475 411.45 411.475 411.525 411.525 411.525 411.525 411.525 411.525 411.525 411.525 411.525 411.525 411.55	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 _ 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID
44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65	BTX N FOR 420 BTX 421.1 421.125 421.15 421.25 421.27 421.275 421.375 421.35 421.35 421.44 421.425 421.475 421.525 421.55 421.525 421.575 421.6	411.075 MTX 424.975/4 MTX 411.1 411.125 411.175 411.225 411.275 411.375 411.375 411.375 411.4 411.475 411.475 411.525 411.525 411.525 411.525 411.525 411.525 411.525 411.525 411.525 411.575 411.6	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID
44 CH. No. CH-PLA 45 46 47 48 49 50 51 52 53 54 55 56 67 57 68 69 60 61 62 63 64	BTX BTX 421.075 BTX 421.1 421.125 421.175 421.25 421.25 421.375 421.35 421.35 421.35 421.475 421.475 421.475 421.475 421.475 421.475 421.475 421.475 421.575	411.075 MTX 424.975/4 MTX 411.1 411.125 411.25 411.275 411.325 411.375 411.4 411.425 411.475 411.45 411.475 411.525 411.525 411.525 411.525 411.525 411.525 411.525 411.525 411.525 411.525 411.55	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID
44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 69 61 62 63 64 65	#21.075 BTX #IFOR 420 BTX 421.1 421.125 421.15 421.25 421.25 421.275 421.35 421.35 421.41 421.425 421.45 421.45 421.55 421.55 421.55 421.55 421.55 421.55 421.625	411.075 MTX 424.975/4 MTX 411.1 411.125 411.175 411.225 411.275 411.325 411.325 411.325 411.425 411.45 411.45 411.45 411.55 411.55 411.575 411.625	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID
44 CH. No. CH-PLA 45 46 47 48 49 50 51 52 53 54 55 56 67 58 69 60 61 62 63 64 65 66 67 68	## 421.075 ## BTX ## AZ0 ## BTX ## 421.1 ## 421.12 ## 421.15 ## 421.15 ## 421.25 ## 421.25 ## 421.275 ## 421.35 ## 421.35 ## 421.45 ## 421.475 ## 421.475 ## 421.45 ## 421.52 ## 421.52 ## 421.52 ## 421.53 ## 421.625 ## 421.625 ## 421.625 ## 421.625 ## 421.625 ## 421.625 ## 421.625 ## 421.625 ## 421.675 ## 421.7	411.075 MTX 424.975/4 MTX 411.1 411.12 411.15 411.25 411.275 411.32 411.325 411.35 411.475 411.45 411.475 411.55 411.55 411.55 411.675 411.675 411.675	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID
44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 66 67 68 69 70	BTX N FOR 420 BTX 421.1 421.125 421.15 421.25 421.25 421.275 421.375 421.375 421.375 421.4 421.425 421.475 421.55 421.575 421.6 421.575 421.575 421.575 421.6 421.625 421.675 421.675 421.675 421.775	411.075 MTX 424.975/4 MTX 411.1 411.125 411.15 411.225 411.275 411.325 411.375 411.375 411.341 411.475 411.495 411.41 411.475 411.525 411.525 411.525 411.625 411.725	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID
44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 67 68 60 61 62 63 64 65 66 67 68 69 70	#21.075 BTX #IN FOR 420 BTX 421.1 421.125 421.15 421.175 421.25 421.25 421.275 421.33 421.325 421.35 421.41 421.425 421.475 421.525 421.55 421.55 421.575 421.675 421.675 421.77 421.725 421.775	411.075 MTX 424.975/4 MTX 411.1 411.125 411.175 411.25 411.275 411.325 411.35 411.375 411.4 411.425 411.475 411.55 411.55 411.675 411.675 411.75	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID
44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 66 67 68 69 70 71	#21.075 BTX #21.075 #21.15 #21.125 #21.125 #21.275 #21.275 #21.325 #21.325 #21.325 #21.375 #21.4 #21.45 #21.45 #21.525 #21.525 #21.525 #21.65 #21.65 #21.65 #21.775 #21.775	411.075 MTX 424.975/4 MTX 411.1 411.125 411.125 411.27 411.275 411.325 411.325 411.325 411.325 411.325 411.325 411.325 411.325 411.4 411.425 411.525 411.525 411.625 411.625 411.65 411.65 411.775	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID TETRA - MUN-UTILITIES AND PUBLIC
44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 67 68 60 61 62 63 64 65 66 67 68 69 70	#21.075 BTX #IN FOR 420 BTX 421.1 421.125 421.15 421.175 421.25 421.25 421.275 421.33 421.325 421.35 421.41 421.425 421.475 421.525 421.55 421.55 421.575 421.675 421.675 421.77 421.725 421.775	411.075 MTX 424.975/4 MTX 411.1 411.125 411.175 411.25 411.275 411.325 411.35 411.375 411.4 411.425 411.475 411.55 411.55 411.675 411.675 411.75	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID TETRA - MUN-UTILITIES AND PUBLIC
44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75	## ## ## ## ## ## ## ## ## ## ## ## ##	411.075 MTX 424.975/4 MTX 411.1 411.125 411.15 411.175 411.205 411.275 411.325 411.375 411.375 411.375 411.4 411.425 411.475 411.525 411.525 411.625 411.625 411.625 411.625 411.775 411.775 411.775 411.775 411.775 411.785 411.775 411.785 411.785 411.795 411.795 411.795 411.795 411.795 411.795 411.81	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID TETRA - MUN-UTILITIES AND PUBLIC
44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 61 62 63 64 65 66 67 70 72 73 74 75 76	## ## ## ## ## ## ## ## ## ## ## ## ##	411.075 MTX 424.975/4 MTX 411.1 411.125 411.15 411.175 411.225 411.275 411.33 411.325 411.35 411.475 411.475 411.475 411.525 411.675 411.675 411.675 411.675 411.77 411.775 411.77 411.775 411.77 411.775 411.875	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID TETRA - MUN-UTILITIES AND PUBLIC
CH-PLA CH-No. CH-PLA 5 46 47 48 49 50 51 52 53 54 55 56 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76	## ## ## ## ## ## ## ## ## ## ## ## ##	411.075 MTX 424.975/4 MTX 411.1 411.125 411.15 411.25 411.275 411.275 411.325 411.325 411.325 411.325 411.325 411.35 411.45 411.45 411.525 411.65 411.65 411.65 411.775 411.775 411.775 411.85 411.825 411.825 411.825 411.825 411.825 411.825 411.825 411.825 411.825 411.825 411.825 411.825 411.825 411.825 411.825 411.825 411.875 411.825	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID TETRA - MUN-UTILITIES AND PUBLIC
CH-PLA CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 56 65 56 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77	## ## ## ## ## ## ## ## ## ## ## ## ##	411.075 MTX 424.975/4 MTX 411.1 411.125 411.15 411.175 411.275 411.275 411.375 411.375 411.385 411.475 411.475 411.525 411.625 411.625 411.625 411.725 411.775 411.825 411.775 411.775 411.775 411.775 411.775 411.775 411.775 411.775 411.825	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID TETRA - MUN-UTILITIES AND PUBLIC
44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78	## 421.075 ## BTX ## A20 ## BTX ## A21.1 ## A21.12 ## A21.15 ## A21.15 ## A21.25 ## A21.25 ## A21.25 ## A21.35 ## A21.35 ## A21.35 ## A21.35 ## A21.35 ## A21.4 ## A21.45 ## A21.45 ## A21.475 ## A21.525 ## A21.55 ## A21.55 ## A21.55 ## A21.55 ## A21.675 ## A21.675 ## A21.675 ## A21.775 ## A21.875 ## A21.925 411.075 MTX 424.975/4 MTX 411.1 411.125 411.15 411.25 411.25 411.275 411.35 411.35 411.35 411.475 411.45 411.475 411.55 411.55 411.675 411.675 411.77 411.75 411.75 411.75 411.75 411.75 411.875 411.91	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID TETRA - MUN-UTILITIES AND PUBLIC	
CH-PLA CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 60 61 62 63 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80	## ## ## ## ## ## ## ## ## ## ## ## ##	411.075 MTX 424.975/4 MTX 411.1 411.125 411.15 411.125 411.275 411.275 411.325 411.375 411.375 411.4 411.425 411.45 411.525 411.625 411.625 411.625 411.775 411.75 411.75 411.85 411.775 411.85 411.775 411.85 411.975	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID TETRA - MUN-UTILITIES AND PUBLIC
44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 67 68 69 71 72 73 74 75 76 77 78 79 80 81	## ## ## ## ## ## ## ## ## ## ## ## ##	411.075 MTX 424.975/4 MTX 411.1 411.125 411.15 411.175 411.25 411.26 411.275 411.35 411.35 411.35 411.35 411.475 411.475 411.475 411.525 411.675 411.675 411.675 411.775 411.775 411.775 411.775 411.85 411.825 411.875 411.825 411.825 411.825 411.825 411.925 411.85 411.925 411.925 411.925 411.925 411.925	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID TETRA - MUN-UTILITIES AND PUBLIC
CH-PLA CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 66 67 68 69 69 70 71 72 73 74 75 76 77 78 79 80	## ## ## ## ## ## ## ## ## ## ## ## ##	411.075 MTX 424.975/4 MTX 411.1 411.125 411.15 411.125 411.275 411.275 411.325 411.375 411.375 411.4 411.425 411.45 411.525 411.625 411.625 411.625 411.625 411.775 411.75 411.75 411.85 411.775 411.85 411.775 411.85 411.85 411.975	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID TETRA - MUN-UTILITIES AND PUBLIC
CH-PLA CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 67 58 69 61 62 63 64 65 66 67 71 72 73 74 75 76 77 78 79 80 81 82 83	## ## ## ## ## ## ## ## ## ## ## ## ##	411.075 MTX 424.975/4 MTX 411.1 411.125 411.15 411.175 411.25 411.25 411.275 411.35 411.35 411.35 411.475 411.475 411.475 411.525 411.55 411.675 411.675 411.675 411.675 411.77 411.725 411.875 411.875 411.875 411.875 411.97 411.975 411.97 411.975 411.97	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID TETRA - MUN-UTILITIES AND PUBLIC
CH-PLA CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 88 79 80 81 82 83 84	## ## ## ## ## ## ## ## ## ## ## ## ##	411.075 MTX 424.975/4 MTX 411.1 411.125 411.15 411.175 411.275 411.325 411.375 411.375 411.4 411.425 411.45 411.525 411.625 411.625 411.625 411.775 411.85 411.775 411.81 411.825 411.975 411.95	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID TETRA - MUN-UTILITIES AND PUBLIC
44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86	## ## ## ## ## ## ## ## ## ## ## ## ##	411.075 MTX 424.975/4 MTX 411.1 411.125 411.15 411.125 411.275 411.275 411.325 411.325 411.35 411.375 411.4 411.475 411.525 411.475 411.525 411.525 411.625 411.625 411.625 411.775 411.775 411.775 411.775 411.775 411.825 411.825 411.825 411.925 411.925 411.925 411.925 411.925 411.925 411.925 411.925 411.925 412.025 412.05 412.05	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID TETRA - MUN-UTILITIES AND PUBLIC
44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 87	## ## ## ## ## ## ## ## ## ## ## ## ##	411.075 MTX 424.975/4 MTX 411.1 411.125 411.15 411.125 411.25 411.275 411.35 411.35 411.375 411.4 411.425 411.475 411.55 411.55 411.675 411.675 411.77 411.725 411.875 411.875 411.875 411.875 411.95 411.95 411.95 411.95 411.95 411.95 411.95 411.95 411.95 411.95 411.95 411.95 411.95 411.95 411.95 411.975 412.075 412.125 412.15	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID TETRA - MUN-UTILITIES AND PUBLIC
CH-PLA CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 56 57 58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88	## ## ## ## ## ## ## ## ## ## ## ## ##	411.075 MTX 424.975/4 MTX 411.1 411.125 411.15 411.175 411.25 411.275 411.325 411.375 411.375 411.38 411.375 411.4 411.425 411.525 411.525 411.625 411.625 411.775 411.825 411.825 411.825 411.825 411.825 411.975 411.85 411.975 411.85 411.975 412.025 412.15 412.15 412.175	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID TETRA - MUN-UTILITIES AND PUBLIC
44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 67 68 69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 87	## ## ## ## ## ## ## ## ## ## ## ## ##	411.075 MTX 424.975/4 MTX 411.1 411.125 411.15 411.125 411.25 411.275 411.35 411.35 411.375 411.4 411.425 411.475 411.55 411.55 411.675 411.675 411.77 411.725 411.875 411.875 411.875 411.875 411.95 411.95 411.95 411.95 411.95 411.95 411.95 411.95 411.95 411.95 411.95 411.95 411.95 411.95 411.95 411.975 412.075 412.125 412.15	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID REMARKS 10 414.975MHz 2009 (25kHz) REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WID TETRA - MUN-UTILITIES AND PUBLIC

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CH-PLA	AN FOR 420	424.975/4	10 414.975MHz 2009 (25kHz)
CH. No.	BTX 422.275	MTX 412.275	REMARKS TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
93	422.3	412.3	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
94	422.325	412.325	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
95	422.35	412.35	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
96	422.375	412.375	TETRA - SECUNDA - RADIO ROOM 1.
97	422.4	412.4	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
98 99	422.425	412.425	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
100	422.45 422.475	412.45 412.475	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
101 102	422.5 422.525	412.5 412.525	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
103	422.55	412.55	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
104	422.575	412.575	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
105	422.6	412.6	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
106	422.625	412.625	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
107	422.65	412.65	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
108	422.675	412.675	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
109	422.7	412.7	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
110	422.725	412.725	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
111	422.75	412.75	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
112	422.775	412.775	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
113	422.8	412.8	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
	422.825	412.825	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
115	422.85	412.85	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
116	422.875	412.875	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
117	422.9	412.9	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
118	422.925	412.925	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
119	422.95	412.95	
120	422.975	412.975	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
121	423	413	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
122	423.025	413.025	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
123	423.05	413.05	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
124	423.075	413.075	
125	423.1	413.1	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
126	423.125	413.125	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
127	423.15	413.15	
128	423.175	413.175	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
129	423.2	413.2	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
130	423.225	413.225	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
131	423.25	413.25	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
132	423.275	413.275	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
133	423.3	413.3	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
134	423.325	413.325	
135	423.35	413.35	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
136	423.375	413.375	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
137	423.4	413.4	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
138	423.425	413.425	TETRA - MUN-UTILITIES AND PUBLIC - COUNTRY WIDE
CH. No.	BTX	MTX	REMARKS
CH-PLA	AN FOR 420	_424.975/4 ⁻	10_414.975MHz 2009 (25kHz) REMARKS
139	423.45	413.45	TETRA - MUN-UTILITIES - COUNTRY WIDE
140	423.475	413.475	TETRA - MUN-UTILITIES - COUNTRY WIDE
141	423.5	413.5	TETRA - MUN-UTILITIES - COUNTRY WIDE
142	423.525	413.525	TETRA - MUN-UTILITIES - COUNTRY WIDE
143	423.55	413.55	TETRA - MUN-UTILITIES - COUNTRY WIDE
144	423.575	413.575	TETRA - MUN-UTILITIES - COUNTRY WIDE
145	423.6	413.6	TETRA - MUN-UTILITIES - COUNTRY WIDE TETRA - MUN-UTILITIES - COUNTRY WIDE
146	423.625	413.625	
147	423.65	413.65	TETRA - MUN-UTILITIES - COUNTRY WIDE TETRA - MUN-UTILITIES - COUNTRY WIDE TETRA - MUN-UTILITIES - COUNTRY WIDE
148	423.675	413.675	
149	423.7	413.7	TETRA - MUN-UTILITIES - COUNTRY WIDE
150	423.725	413.725	TETRA - MUN-UTILITIES - COUNTRY WIDE
151	423.75	413.75	TETRA - MUN-UTILITIES - COUNTRY WIDE
152	423.775	413.775	TETRA - MUN-UTILITIES - COUNTRY WIDE
153	423.8	413.8	TETRA - MUN-UTILITIES - COUNTRY WIDE
154	423.825	413.825	TETRA - MUN-UTILITIES - COUNTRY WIDE
155	423.85	413.85	TETRA - MUN-UTILITIES - COUNTRY WIDE TETRA - MUN-UTILITIES - COUNTRY WIDE
156	423.875	413.875	
157	423.9	413.9	TETRA - MUN-UTILITIES - COUNTRY WIDE
158	423.925	413.925	TETRA - SEE DATABASE.
159	423.95	413.95	TETRA - MUN-UTILITIES - COUNTRY WIDE
160		413.975	TETRA - MUN-UTILITIES - COUNTRY WIDE
161	423.975 424	414	TETRA - MUN-UTILITIES - COUNTRY WIDE
162	424.025	414.025	TETRA - SEE DATABASE. TETRA - SEE DATABASE.
163	424.05	414.05	
164	424.075	414.075	TETRA - SEE DATABASE. TETRA - SEE DATABASE.
165	424.1	414.1	
166	424.125	414.125	TETRA - SEE DATABASE.
167	424.15	414.15	TETRA - SEE DATABASE. TETRA - SEE DATABASE.
168	424.175	414.175	
169	424.2	414.2	TETRA - SEE DATABASE.
170	424.225	414.225	TETRA - SEE DATABASE.
171	424.25	414.25	TETRA - SEE DATABASE.
172	424.275	414.275	TETRA - SEE DATABASE.
173	424.3	414.3	TETRA - SEE DATABASE.
174	424.325	414.325	TETRA - SEE DATABASE.
175	424.35	414.35	TETRA - SEE DATABASE.
176	424.375	414.375	TETRA - SEE DATABASE.
177	424.4	414.4	TETRA - SEE DATABASE.
178	424.425	414.425	TETRA - MUN-UTILITIES - COUNTRY WIDE
179	424.45	414.45	TETRA - SEE DATABASE.
180	424.475	414.475	TETRA - SEE DATABASE.
181	424.5	414.5	TETRA - SEE DATABASE.
182	424.525	414.525	TETRA - SEE DATABASE.
183	424.55	414.55	TETRA - SEE DATABASE.
184	424.575	414.575	TETRA - MUN-UTILITIES - COUNTRY WIDE
185	424.6	414.6	TETRA - SEE DATABASE.
CH. No.	BTX	MTX	REMARKS
	N FOR 420		10 414.975MHz 2009 (25kHz)
CH. No.	BTX 424,625	MTX	REMARKS
186	424.65	414.625	TETRA - SEE DATABASE.
187		414.65	TETRA - SEE DATABASE.
188	424.675	414.675	TETRA - SEE DATABASE.
189	424.7	414.7	TETRA - SEE DATABASE.
190	424.725	414.725	TETRA - MUN-UTILITIES - COUNTRY WIDE
191	424.75	414.75	TETRA - SEE DATABASE.
192	424.775	414.775	TETRA - SEE DATABASE.
193	424.8	414.8	TETRA - SEE DATABASE.
194	424.825	414.825	TETRA - MUN-UTILITIES - COUNTRY WIDE
195	424.85	414.85	TETRA - MUN-UTILITIES - COUNTRY WIDE
196	424.875	414.875	TETRA - MUN-UTILITIES - COUNTRY WIDE TETRA - MUN-UTILITIES - COUNTRY WIDE
197	424.9	414.9	
198	424.925	414.925	TETRA - MUN-UTILITIES - COUNTRY WIDE
199	424.95	414.95	TETRA - SEE DATABASE.
		414.975	TETRA - MUN-UTILITIES - COUNTRY WIDE
200	424.975	414.573	TETICA - MON-OTIETHES - COONTICT WIDE
200 CH. No.	424.975 BTX	MTX	REMARKS

CHANNE	L PLAN FOI	R 423-423 7	⊣ ′625/413-413.7625MHz 2003 (12.5kHz)
CH. No.	BTX	MTX	REMARKS
1	423	413	WBS
2	423.0125	413.0125	WBS
3	423.025	413.025	WBS
4	423.0375	413.0375	WBS
5	423.05	413.05	WBS
6	423.0625	413.0625	WBS
7	423.075	413.075	WBS
9	423.0875 423.1	413.0875 413.1	WBS WBS
10	423.1125	413.1125	WBS
11	423.125	413.125	WBS
12	423.1375	413.1375	WBS
13	423.15	413.15	WBS
14	423.1625	413.1625	WBS
15	423.175	413.175	WBS
16	423.1875	413.1875	WBS AVAILABLE
17	423.2	413.2	WBS MIGRATION X2
18	423.2125	413.2125	WBS
19 20	423.225 423.2375	413.225 413.2375	WBS WBS
21	423.2375	413.2375	WBS
22	423.2625	413.2625	WBS
23	423.275	413.275	SEE DATABASE.
24	423.2875	413.2875	SEE DATABASE.
25	423.3	413.3	SEE DATABASE.
26	423.3125	413.3125	SEE DATABASE.
27	423.325	413.325	SEE DATABASE.
28	423.3375	413.3375	SEE DATABASE.
29	423.35	413.35	SEE DATABASE.
30	423.3625	413.3625	SEE DATABASE.
31	423.375	413.375	SEE DATABASE.
32	423.3875	413.3875	SEE DATABASE.
33 34	423.4	413.4	SEE DATABASE.
35	423.4125 423.425	413.4125 413.425	SEE DATABASE. SEE DATABASE.
36	423.4375	413.4375	SEE DATABASE.
37	423.45	413.45	SEE DATABASE.
38	423.4625	413.4625	SEE DATABASE.
39	423.475	413.475	SEE DATABASE.
40	423.4875	413.4875	SEE DATABASE.
41	423.5	413.5	SEE DATABASE.
42	423.5125	413.5125	SEE DATABASE.
43	423.525	413.525	SEE DATABASE.
44	423.5375	413.5375	SEE DATABASE.
OLL NI:	DTV	NATO/	DEMARKO
CH. No.	BTX	MTX	REMARKS
CHANNE	L PLAN FOI	R 423-423.7	625/413-413.7625MHz 2003 (12.5kHz)
45	423.55	413.55	SEE DATABASE.
46	423.5625	413.5625	SEE DATABASE.
47	423.575	413.575	SEE DATABASE.
48	423.5875	413.5875	SEE DATABASE.
49	423.6	413.6	SEE DATABASE.
50	423.6125	413.6125	SEE DATABASE.
51	423.625	413.625	SEE DATABASE.
52 53	423.6375	413.6375 413.65	SEE DATABASE. SEE DATABASE.
53	423.65 423.6625	413.6625	SEE DATABASE.
55	423.675	413.675	SEE DATABASE.
56	423.6875	413.6875	SEE DATABASE.
57	423.7	413.7	SEE DATABASE.
58	423.7125	413.7125	SEE DATABASE.
59	423.725	413.725	SEE DATABASE.
60	423.7375	413.7375	SEE DATABASE.
		413.75	SEE DATABASE.

1.7.2 Licensing information for the applicable frequency allocation

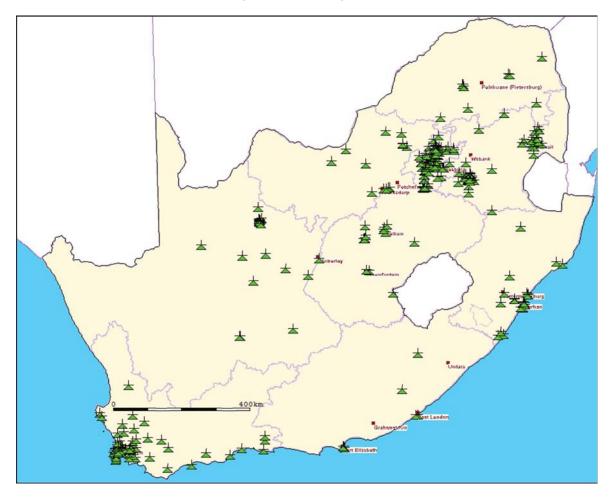
406 to 410 MHz: There are 3326 Licenses issued in this band

410 to 420 MHz: There are 681 Licenses issued in this band

420 to 430 MHz: There are 1052 Licenses issued in this band

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1.7.3 Areas where licensed frequencies are operational.



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1.8 Applicable Frequency Allocation and Band information 440 MHz to 450 MHz

Use of this band for PPDR to be studied

Frequency Band under investigation 440 MHz to 450 MHz

FIXED

MOBILE except aeronautical mobile

Frequency Sub bands

Pairings

FIXED BTX: 440 to 441.1 MHz paired with MTX 445 to 446.1 MHz

Mobile BTX 441.1 – 445 MHz paired with MTX 446.1 to 450 MHz

Single Frequency Mobile Allocations

Channels 440.0125, 440.3625, 445.0125 and 445.3625 MHz are used for Agricultural Telemetry

Channels 440 to 440.1 and 445 to 445.1 are used for simplex.

Channels 440.275, 440.2875, 445.2750, 445.2875, 440.375 and 445.375 MHz are roving simplex channels

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1.8.1 Channel Plan for the Frequency Allocation

	HANNEL PLA		ELEMETRY & ALARM BANDS 445-446 MHz
CHANNEL NO	FREQUENCYA	FREQUENCY B	NOTE
1	440	445	SEE DATABASE.
2	440.0125	445.0125	SEE DATABASE.
3	440.025	445.025	SEE DATABASE.
4	440.0375	445.0375	SEE DATABASE.
5	440.05	445.05	SEE DATABASE.
6	440.0625	445.0625	SEE DATABASE.
7	440.075	445.075	SEE DATABASE.
9	440.0875 440.1	445.0875 445.1	SEE DATABASE. SEE DATABASE.
10	440.1125	445.1125	SEE DATABASE.
11	440.125	445.125	SEE DATABASE.
12	440.1375	445.1375	SEE DATABASE.
13	440.15	445.15	SEE DATABASE.
14	440.1625	445.1625	SEE DATABASE.
15	440.175	445.175	SEE DATABASE.
16	440.1875	445.1875	SEE DATABASE.
17	440.2	445.2	SEE DATABASE.
18	440.2125	445.2125	SEE DATABASE.
19	440.225	445.225	SEE DATABASE.
20	440.2375	445.2375	SEE DATABASE.
21	440.25 440.2625	445.25 445.2625	SEE DATABASE. SEE DATABASE.
23	440.2625	445.2625	SEE DATABASE. SEE DATABASE.
24	440.2875	445.2875	SEE DATABASE.
25	440.3	445.3	SEE DATABASE.
26	440.3125	445.3125	SEE DATABASE.
27	440.325	445.325	SEE DATABASE.
28	440.3375	445.3375	SEE DATABASE.
29	440.35	445.35	SEE DATABASE.
30	440.3625	445.3625	SEE DATABASE.
31	440.375	445.375	SEE DATABASE.
32	440.3875	445.3875	SEE DATABASE.
33	440.4	445.4	SEE DATABASE.
34 35	440.4125 440.425	445.4125 445.425	SEE DATABASE.
36	440.4375	445.4375	SEE DATABASE. SEE DATABASE.
37	440.45	445.45	SEE DATABASE.
38	440.4625	445.4625	SEE DATABASE.
39	440.475	445.475	SEE DATABASE.
40	440.4875	445.4875	SEE DATABASE.
41	440.5	445.5	SEE DATABASE.
42	440.5125	445.5125	SEE DATABASE.
43	440.525	445.525	SEE DATABASE.
44	440.5375	445.5375	SEE DATABASE.
45	440.55	445.55	SEE DATABASE.
46	440.5625	445.5625	SEE DATABASE.
47 48	440.575	445.575	SEE DATABASE.
49	440.5875 440.6	445.5875 445.6	SEE DATABASE. SEE DATABASE.
50	440.6125	445.6125	SEE DATABASE. SEE DATABASE.
51	440.625	445.625	SEE DATABASE.
52	440.6375	445.6375	SEE DATABASE.
53	440.65	445.65	SEE DATABASE.
54	440.6625	445.6625	SEE DATABASE.
55	440.675	445.675	SEE DATABASE.
56	440.6875	445.6875	SEE DATABASE.
57	440.7	445.7	SWIFTNET MIGRATION - NO ASSIGNMENTS
58	440.7125	445.7125	SWIFTNET MIGRATION - NO ASSIGNMENTS
59	440.725	445.725	SWIFTNET MIGRATION - NO ASSIGNMENTS
60	440.7375	445.7375	SWIFTNET MIGRATION - NO ASSIGNMENTS
61	440.75 440.7625	445.75 445.7625	SWIFTNET MIGRATION - NO ASSIGNMENTS SWIFTNET MIGRATION - NO ASSIGNMENTS
62 63	440.7625	445.7625	SWIFTNET MIGRATION - NO ASSIGNMENTS SWIFTNET MIGRATION - NO ASSIGNMENTS
64	440.7875	445.7875	SWIFTNET MIGRATION - NO ASSIGNMENTS
65	440.8	445.8	SWIFTNET MIGRATION - NO ASSIGNMENTS
66	440.8125	445.8125	SWIFTNET MIGRATION - NO ASSIGNMENTS
67	440.825	445.825	SWIFTNET MIGRATION - NO ASSIGNMENTS
68	440.8375	445.8375	SWIFTNET MIGRATION - NO ASSIGNMENTS
69	440.85	445.85	SWIFTNET MIGRATION - NO ASSIGNMENTS
70	440.8625	445.8625	SWIFTNET MIGRATION - NO ASSIGNMENTS
71	440.875	445.875	SWIFTNET MIGRATION - NO ASSIGNMENTS
72	440.8875	445.8875	SWIFTNET MIGRATION - NO ASSIGNMENTS
73	440.9	445.9	SWIFTNET MIGRATION - NO ASSIGNMENTS
74	440.9125	445.9125	SWIFTNET MIGRATION - NO ASSIGNMENTS
75	440.925	445.925	SWIFTNET MIGRATION - NO ASSIGNMENTS
76	440.9375	445.9375	SWIFTNET MIGRATION - NO ASSIGNMENTS
77	440.95	445.95	SWIFTNET MIGRATION - NO ASSIGNMENTS
78	440.9625	445.9625	SWIFTNET MIGRATION - NO ASSIGNMENTS
79	440.975	445.975	SWIFTNET MIGRATION - NO ASSIGNMENTS

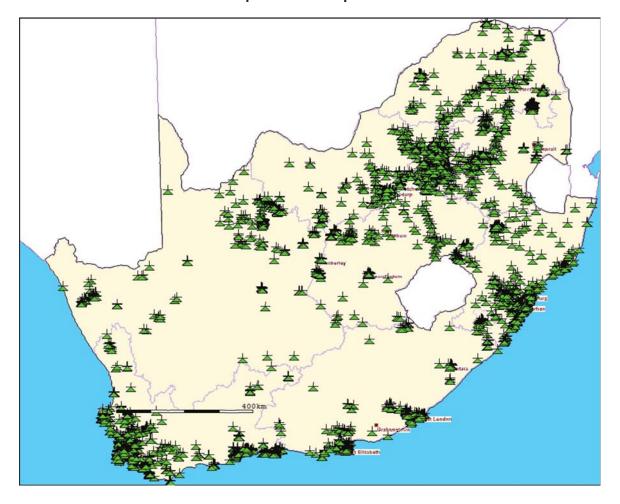
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1.8.2 Licensing information for the applicable frequency allocation

There are 3759 Licenses issued in this band 440 to 441 MHz There are 4243 Licenses issued in this band 445 to 446 MHz

There are 1170 Licenses issued in this band 441.1 to 445 MHz
There are 1486 Licenses issued in this band 446.1 to 450 MHz

1.8.3 Areas where licensed frequencies are operational.



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1.9 Applicable Frequency Allocation and Band information 450 MHz to 470 MHz

Band is identified for IMT (450)

Frequency Band under investigation 450 MHz to 470 MHz

FIXED

MOBILE

Frequency Sub bands

Pairings

FIXED 450 to 453 MHz paired with BTX 460 to 463 MHz

Trunked Mobile 3 MTX 454.425 to 460 MHz paired with BTX 464.425 to 470 MHz

Paging MTX 454 to 454.425 MHz

Low Power Mobile: 463.975, 464.125, 464.175, 464.325, 464.375 MHz

Security Systems: 464.5375 MHz

Non Specified SRD's: 464.5 to 464.5875 MHz

Single Frequency Mobile Allocations

453 to 454 MHz

463.025 to 463.975 MHz

464.375 to 464.425

1.9.1 Channel Plan for the Frequency Allocation

IXED LI			
H-PL 4	N FOR 450	452 9875/	460 462.9875MHz 2005 (12.5 kHz
CH. No.	BTX	432.9673/	REMARKS
1	450	460	SEE DATABASE
2	450.0125	460.0125	SEE DATABASE
3	450.025	460.025	SEE DATABASE
5	450.0375 450.05	460.0375 460.05	SEE DATABASE SEE DATABASE
6	450.0625	460.0625	SEE DATABASE
7	450.075	460.075	SEE DATABASE
8	450.0875	460.0875	SEE DATABASE
9	450.1	460.1	SEE DATABASE
11	450.1125 450.125	460.1125 460.125	SEE DATABASE SEE DATABASE
12	450.1375	460.1375	SEE DATABASE
13	450.15	460.15	SEE DATABASE
14 15	450.1625 450.175	460.1625 460.175	SEE DATABASE
16	450.175	460.1875	SEE DATABASE SEE DATABASE
17	450.2	460.2	SEE DATABASE
18	450.2125	460.2125	SEE DATABASE
19 20	450.225 450.2375	460.225 460.2375	SEE DATABASE SEE DATABASE
21	450.25	460.25	SEE DATABASE
22	450.2625	460.2625	SEE DATABASE
23	450.275	460.275	SEE DATABASE
24	450.2875	460.2875	SEE DATABASE
25 26	450.3 450.3125	460.3 460.3125	SEE DATABASE SEE DATABASE
27	450.325	460.325	SEE DATABASE
28	450.3375	460.3375	SEE DATABASE
29	450.35	460.35	SEE DATABASE
30	450.3625 450.375	460.3625 460.375	SEE DATABASE SEE DATABASE
32	450.3875	460.3875	SEE DATABASE
33	450.4	460.4	SEE DATABASE
34	450.4125	460.4125	SEE DATABASE
35 36	450.425 450.4375	460.425 460.4375	SEE DATABASE SEE DATABASE
37	450.45	460.45	SEE DATABASE
38	450.4625	460.4625	SEE DATABASE
39	450.475	460.475	SEE DATABASE
40	450.4875 450.5	460.4875 460.5	SEE DATABASE SEE DATABASE
	450.5	400.5	
42	450.5125	460.5125	
42 43	450.5125 450.525	460.5125 460.525	SEE DATABASE SEE DATABASE
42 43 44 CH. No.	450.525 450.5375 BTX	460.525 460.5375 MTX 452.9875/4	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS REMARKS 460_462.9875MHz 2005 (12.5 kHz
42 43 44 CH. No.	450.525 450.5375 BTX	460.525 460.5375 MTX	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS
42 43 44 CH. No. CH. No. 45 46	450.525 450.5375 BTX N FOR 450 BTX 450.55 450.5625	460.525 460.5375 MTX 452.9875/4 MTX 460.55 460.5625	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE SEE DATABASE SEE DATABASE
42 43 44 CH. No. CH. No. 45 46 47	450.525 450.5375 BTX AN FOR 450 BTX 450.55 450.5625 450.575	460.525 460.5375 MTX 452.9875/4 MTX 460.55 460.5625 460.575	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
42 43 44 CH. No. CH. No. 45 46	450.525 450.5375 BTX AN FOR 450 BTX 450.55 450.5625 450.575 450.5875	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.555 460.575 460.5875	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
42 43 44 CH. No. CH. No. 45 46 47 48	450.525 450.5375 BTX AN FOR 450 BTX 450.55 450.5625 450.575	460.525 460.5375 MTX 452.9875/4 MTX 460.55 460.5625 460.575	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
42 43 44 CH. No. CH. No. 45 46 47 48 49 50 51	450.525 450.5375 BTX N FOR 450 BTX 450.55 450.5625 450.5625 450.5875 450.6125 450.625	460.525 460.5375 MTX 452.9875/4 MTX 460.65 460.5625 460.5625 460.5875 460.6125 460.6125 460.625	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
42 43 44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 52	450.525 450.5375 BTX AN FOR 450 BTX 450.5625 450.5625 450.575 450.625 450.6125 450.6375	460.525 460.5375 MTX 452.9875/4 MTX 460.5625 460.5625 460.575 460.625 460.6125 460.6375	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
42 43 44 CH. No. CH-PLA 52 46 47 48 49 50 51 52 53	450.525 450.5375 BTX N FOR 450 BTX 450.55 450.5625 450.5875 450.6125 450.625 450.625 450.625 450.6375 450.625	460.525 460.5375 MTX 452.9875/4 MTX 460.55 460.5625 460.5875 460.6 460.6125 460.625 460.6375 460.6375 460.65	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
42 43 44 CH. No. CH. No. 45 46 47 48 49 50 51 52 53 54 55	450.525 450.5375 BTX AN FOR 450 BTX 450.55 450.655 450.625 450.675 450.625 450.625 450.625 450.625 450.625 450.6625 450.6625	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.55 460.5625 460.6125 460.625 460.625 460.625 460.625 460.655	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE
42 43 44 44 CH. No. CH. No. 45 46 47 48 49 50 51 52 53 54 55 56	450.525 450.5375 BTX N FOR 450 BTX 450.55 450.5625 450.575 450.625 450.625 450.625 450.625 450.625 450.625 450.625 450.625 450.625 450.665 450.6685	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.5625 460.5625 460.6875 460.625 460.625 460.625 460.625 460.655 460.6655 460.6655 460.6655	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
42 43 44 CH. No. CH-PLA CH. No. 45 46 47 48 49 50 51 51 52 53 54 55 55 56	450.525 450.5375 BTX AN FOR 450 BTX 450.55 450.5625 450.575 450.6125 450.6125 450.625 450.6375 450.625 450.6375 450.6625 450.6625 450.6675 450.675	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.5625 460.575 460.61 460.6125 460.625 460.6375 460.65 460.6625 460.6625 460.6655 460.675	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE
42 43 44 41 CH. No. CH. No. 45 46 47 48 49 50 51 52 53 54 55 56	450.525 450.5375 BTX N FOR 450 BTX 450.55 450.5625 450.575 450.625 450.625 450.625 450.625 450.625 450.625 450.625 450.625 450.625 450.665 450.6685	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.5625 460.5625 460.6875 460.625 460.625 460.625 460.625 460.655 460.6655 460.6655 460.6655	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
42 43 44 CH. No. CH-PLA 45 46 47 48 49 50 51 52 53 54 55 56 57 58	450.525 450.5375 BTX N FOR 450 BTX 450.55 450.655 450.6625 450.6125 450.6125 450.6375 450.6625 450.6625 450.6675 450.675 450.675 450.675 450.77 450.7125 450.7375	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.55 460.5625 460.675 460.625 460.625 460.625 460.6625 460.675 460.675 460.675 460.7375	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
42 43 44 CH. No. 2H-PLA 45 46 47 48 49 50 51 52 53 54 55 56 57 58 60 61	450.525 450.5375 BTX AN FOR 450 BTX 450.55 450.5625 450.5875 450.6125 450.625 450.625 450.625 450.625 450.6375 450.65 450.65 450.65 450.65 450.65 450.7375 450.7375 450.7375	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.55 460.5625 460.5875 460.625 460.625 460.625 460.625 460.655 460.675 460.7375 460.7375 460.7375	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
42 43 44 CH. No. CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62	450.525 450.5375 BTX AN FOR 450 BTX 450.55 450.5625 450.5625 450.6125 450.6125 450.625 450.625 450.625 450.625 450.625 450.6375 450.695 450.6725 450.725 450.725 450.725	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.5625 460.575 460.6375 460.6375 460.625 460.625 460.6375 460.671 460.7125 460.725 460.725 460.725 460.7375 460.725	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS 460 AFRICA SEE DATABASE
42 43 44 CH. No. 2H-PLA 45 46 47 48 49 50 51 52 53 54 55 56 57 58 60 61	450.525 450.5375 BTX AN FOR 450 BTX 450.55 450.5625 450.5875 450.6125 450.625 450.625 450.625 450.625 450.6375 450.65 450.65 450.65 450.65 450.65 450.7375 450.7375 450.7375	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.55 460.5625 460.5875 460.625 460.625 460.625 460.625 460.655 460.675 460.7375 460.7375 460.7375	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
42 43 44 44 CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65	450.525 450.5375 BTX N FOR 450 BTX 450.55 450.55 450.5625 450.625 450.6125 450.625 450.625 450.625 450.625 450.625 450.625 450.625 450.675 450.675 450.7375 450.7725 450.7375 450.775 450.7755	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.5525 460.5875 460.625 460.6125 460.625 460.625 460.6625 460.6625 460.675 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE
42 43 44 CH. No. 2H-PLA 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66	450.525 450.5375 BTX AN FOR 450 BTX 450.55 450.5625 450.5625 450.625 450.6375 450.6375 450.65 450.6625 450.675 450.675 450.7375 450.7375 450.7375 450.75825 450.758450.78858450.8125	460.525 460.5375 MTX 452.9875/- MTX 460.95 460.95 460.5975 460.9875 460.625 460.625 460.625 460.655 460.655 460.655 460.675 460.7125 460.7125 460.7375 460.75 460.75 460.775 460.7885 460.7885 460.7885 460.7885 460.7885 460.7885 460.7885 460.7885 460.7885 460.7885 460.7885 460.7885 460.7885 460.7885 460.7885	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
42 43 44 44 CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65	450.525 450.5375 BTX N FOR 450 BTX 450.55 450.55 450.5625 450.625 450.6125 450.625 450.625 450.625 450.625 450.625 450.625 450.625 450.675 450.675 450.7375 450.7725 450.7375 450.775 450.7755	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.5525 460.5875 460.625 460.6125 460.625 460.625 460.6625 460.6625 460.675 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE
42 43 44 CH. No. CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 60 61 62 63 64 65 66 66 67 68 69	450.525 450.5375 BTX N FOR 450 BTX 450.55 450.5625 450.5625 450.625 450.625 450.625 450.625 450.625 450.625 450.65 450.675 450.7375 450.735 450.735 450.735 450.75 450.75 450.75 450.75 450.75 450.75 450.775 450.775 450.8375 450.8375 450.8375 450.8375 450.8375 450.8375 450.8375 450.8375 450.8375 450.8375 450.8375 450.8375	460.525 460.5375 MTX 452.9875/	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE
42 43 44 44 CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 67 62 63 64 65 66 67 68 69 70	450.525 450.5375 BTX NFOR 450 BTX 450.55 450.55 450.5625 450.625 450.6125 450.625 450.625 450.625 450.625 450.625 450.625 450.77 450.77 450.7725 450.7725 450.775 450.775 450.775 450.775 450.775 450.775 450.775 450.775 450.775 450.775 450.775 450.7825 450.8125 450.8125 450.8125 450.8125 450.8125 450.8125 450.8125 450.8125 450.8125 450.8125	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.55 460.5625 460.5875 460.6125 460.625 460.625 460.6375 460.655 460.675 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.785 460.785 460.785 460.785 460.785 460.785 460.785 460.785 460.785 460.8855 460.8825 460.8825	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE
42 43 44 CH. No. CH-PLA 45 46 47 48 49 50 51 52 53 54 55 56 57 58 60 61 62 63 64 65 66 67 68 69 70 71	450.525 450.5375 BTX N FOR 450 BTX 450.95 450.5625 450.5625 450.625 450.6375 450.6625 450.6375 450.6625 450.675 450.725 450.7375 450.7375 450.738 450.75 450.75 450.75 450.75 450.75 450.75 450.75 450.75 450.75 450.75 450.75 450.75 450.75 450.75 450.75 450.7875 450.825 450.825 450.825 450.825 450.825 450.825 450.825	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.55 460.5625 460.5875 460.625 460.625 460.625 460.6375 460.65 460.675 460.7125 460.725 460.7375 460.75 460.785 460.785 460.785 460.785 460.785 460.8375 460.8375 460.8375 460.825 460.825 460.8375 460.825 460.825 460.825 460.825 460.825 460.825 460.825 460.825 460.825 460.825 460.825 460.825	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE
42 43 44 44 CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 67 62 63 64 65 66 67 68 69 70	450.525 450.5375 BTX NFOR 450 BTX 450.55 450.55 450.5625 450.625 450.6125 450.625 450.625 450.625 450.625 450.625 450.625 450.77 450.77 450.7725 450.7725 450.775 450.775 450.775 450.775 450.775 450.775 450.775 450.775 450.775 450.775 450.775 450.7825 450.8125 450.8125 450.8125 450.8125 450.8125 450.8125 450.8125 450.8125 450.8125 450.8125	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.55 460.5625 460.5875 460.6125 460.625 460.625 460.6375 460.655 460.675 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.775 460.785 460.785 460.785 460.785 460.785 460.785 460.785 460.785 460.785 460.8855 460.8825 460.8825	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE
42 43 44 44 CH. No. 2H-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74	450.525 450.5375 BTX N FOR 450 BTX 450.55 450.5625 450.5625 450.625 450.625 450.625 450.625 450.625 450.625 450.625 450.625 450.7375 450.7375 450.7375 450.7375 450.75 450.785 450.785 450.785 450.8375 450.8375 450.8375 450.8375 450.8375 450.8375 450.8375 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875	460.525 460.5375 MTX 452.9875/	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE
42 43 44 CH. No. CH. PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75	450.525 450.5375 BTX N FOR 450 BTX 450.95 450.95 450.625 450.625 450.625 450.625 450.6375 450.66 450.6375 450.6875 450.79 450.79 450.7125 450.79 450.7875 450.7875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.925	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.55 460.5875 460.65 460.6125 460.625 460.6375 460.65 460.675 460.7375 460.7375 460.8875 460.8875 460.8875 460.8875 460.8875 460.8875 460.8875 460.8875 460.8875 460.8875 460.8875 460.925	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz) REMARKS 460 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
42 43 44 44 CH. No. 245 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76	450.525 450.5375 BTX N FOR 450 BTX 450.95 450.5625 450.5625 450.625 450.6375 450.6625 450.6375 450.6675 450.725 450.725 450.725 450.7375 450.7375 450.75 450.75 450.7895 450.8375 450.8375 450.825 450.8375 450.825	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.55 460.5625 460.5875 460.625 460.625 460.6375 460.65 460.675 460.7125 460.725 460.725 460.7375 460.825 460.825 460.825 460.825 460.825 460.825 460.825 460.825 460.875 460.875 460.875 460.875 460.875 460.875 460.875 460.875 460.875 460.875 460.875 460.925	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE
42 43 44 CH. No. CH. PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75	450.525 450.5375 BTX N FOR 450 BTX 450.95 450.95 450.625 450.625 450.625 450.625 450.6375 450.66 450.6375 450.6875 450.79 450.79 450.7125 450.79 450.7875 450.7875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.925	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.55 460.5875 460.65 460.6125 460.625 460.6375 460.65 460.675 460.7375 460.7375 460.8875 460.8875 460.8875 460.8875 460.8875 460.8875 460.8875 460.8875 460.8875 460.8875 460.8875 460.925	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE
42 43 44 44 CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79	450.525 450.5375 BTX N FOR 450 BTX 450.55 450.5625 450.5625 450.625 450.625 450.625 450.637 450.65 450.6625 450.665 450.675 450.7125 450.725 450.7375 450.735 450.735 450.735 450.735 450.735 450.735 450.735 450.735 450.825	460.525 460.5375 MTX 452.9875/	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS 460 462.9875MHz REMARK
42 43 44 44 CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 69 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80	450.525 450.5375 BTX N FOR 450 BTX 450.95 450.955 450.625 450.625 450.6375 450.63 450.6375 450.665 450.6375 450.65 450.7125 450.77 450.7125 450.78 450.78 450.78 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8975 450.925 450.925 450.925 450.925 450.925	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.55 460.5625 460.5875 460.6125 460.625 460.625 460.6375 460.65 460.675 460.795 460.795 460.795 460.795 460.795 460.795 460.795 460.795 460.795 460.795 460.795 460.795 460.795 460.795 460.795 460.80875 460.80875 460.80875 460.80875 460.80875 460.80875 460.80875 460.80875 460.80975 460.90975 460.925 460.925 460.925	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE
42 43 44 44 CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 67 58 69 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 78 79 80 81	450.525 450.5375 BTX N FOR 450 BTX 450.95 450.5625 450.5875 450.625 450.625 450.6375 450.665 450.6675 450.675 450.7375 450.725 450.7375 450.735 450.825 450.825 450.825 450.825 450.825 450.9375 450.925 450.9375	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.55 460.5625 460.5875 460.625 460.625 460.625 460.6375 460.65 460.675 460.725 460.725 460.725 460.7375 460.786 460.7875 460.7875 460.8375 460.8375 460.8375 460.825 460.825 460.825 460.825 460.825 460.9375 460.925 460.925 460.9375 460.925 460.9375 460.925 460.9375 460.925 460.9375 460.9625 460.9375 460.9625	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE
42 43 44 44 CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 69 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80	450.525 450.5375 BTX N FOR 450 BTX 450.95 450.955 450.625 450.625 450.6375 450.63 450.6375 450.665 450.6375 450.65 450.7125 450.77 450.7125 450.78 450.78 450.78 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.79 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8975 450.925 450.925 450.925 450.925 450.925	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.55 460.5625 460.5875 460.625 460.625 460.6375 460.65 460.675 460.795 460.795 460.795 460.795 460.795 460.795 460.795 460.795 460.795 460.795 460.795 460.795 460.795 460.795 460.795 460.795 460.795 460.80875 460.80875 460.80875 460.80875 460.80875 460.80875 460.80875 460.80875 460.80975 460.90975 460.925 460.925 460.925	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE
42 43 44 44 CH. No. 25 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 84 84 84 84 84 84 84 85 85 86 87 87 87 87 87 87 87 87 87 87	450.525 450.5375 BTX N FOR 450 BTX 450.55 450.5625 450.5625 450.6525 450.6375 450.665 450.6625 450.665 450.6625 450.7375 450.725 450.7375 450.735 450.735 450.735 450.735 450.735 450.735 450.735 450.735 450.735 450.735 450.735 450.735 450.735 450.735 450.735 450.7375 450.7375 450.7375 450.7375 450.7375 450.826 450.827 450.826 450.827 450.826 450.827 450.827 450.925 450.9375 451.0125 451.0125	460.525 460.5375 MTX 452.9875/	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS 460 462.9875MHz REMARK
42 43 44 44 CH. No. CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 84 84 84 84 84 84 85 86 87 87 87 87 87 87 87 87 87 87	450.525 450.5375 BTX N FOR 450 BTX 450.55 450.55 450.655 450.6625 450.6125 450.6375 450.66 450.6125 450.6625 450.675 450.70 450.7125 450.7375 450.7875 450.7875 450.7875 450.8975 450.925 450.925 450.925 450.925 450.925 450.925 450.925 450.925 450.925 450.9375 450.925 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 451.0325 451.0325 451.0325	460.525 460.5375 MTX 452.9875/4 MTX 460.55 460.65 460.5875 460.65 460.6125 460.625 460.6375 460.65 460.6625 460.675 460.725 460.725 460.7375 460.738 460.7395 460.740 460.7125 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.80 460.80 460.80 460.80 460.80 460.80 460.80 460.80 460.90	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE
42 43 44 44 CH. No. CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 86 87 88 88 88 88 88 88 88 88 88	450.525 450.5375 BTX N FOR 450 BTX 450.95 450.5625 450.5625 450.625 450.6375 450.66 450.6125 450.6375 450.6675 450.6875 450.7625 450.725 450.725 450.781 450.791 450.791 450.791 450.791 450.791 450.791 450.791 450.791 450.825 450.825 450.825 450.825 450.825 450.825 450.825 450.825 450.825 450.825 450.825 450.825 450.825 450.825 450.825 450.825 450.925 450.9375 450.925 450.9375 450.925 450.9375 450.9625 450.975 450.9825 450.975 450.9825 450.975 450.9825 450.975 450.9825 450.975 450.9825 450.975 450.9825 451.0125 451.0125 451.0125	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.55 460.5625 460.5875 460.65 460.625 460.625 460.6375 460.675 460.675 460.725 460.725 460.725 460.725 460.7375 460.7375 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.825 460.825 460.825 460.825 460.825 460.825 460.825 460.9875 460.9875 460.9925 460.9975 460.9875 461.0125 461.025 461.025	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE
42 43 44 44 45 45 46 47 48 49 50 51 52 53 54 55 56 65 77 58 59 60 61 62 63 64 66 67 70 77 77 78 78 79 80 81 82 83 84 85 86 87 88	450.525 450.5375 BTX N FOR 450 BTX 450.55 450.5875 450.5825 450.625 450.625 450.6375 450.665 450.665 450.665 450.675 450.6875 450.725 450.725 450.725 450.7375 450.75 450.7895 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8875 450.8975 450.9975 450.9975 450.99875 450.99875 450.99875 450.99875 450.99875 450.99875 450.99875 450.99875 450.99875 450.99875 450.99875 450.99875 451.025 451.025 451.025 451.025 451.025 451.025 451.025 451.025	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.55 460.55 460.55 460.5875 460.65 460.625 460.6375 460.65 460.675 460.725 460.725 460.725 460.725 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.75 460.825 460.8375 460.8375 460.840 460.895 460.895 460.895 460.8975 460.8975 460.8975 460.9975 460.99875 460.99875 460.99875 460.99875 461.09875 461.025 461.025 461.025 461.025 461.025 461.025 461.025 461.025	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE
42 43 44 44 CH. No. 25 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 85 85 86 87 87 87 87 87 87 87 87 87 87	450.525 450.5375 BTX N FOR 450 BTX 450.95 450.55 450.655 450.6625 450.6125 450.6625 450.6625 450.6625 450.675 450.675 450.675 450.70 450.7125 450.725 450.7375 450.785 450.785 450.785 450.785 450.785 450.785 450.785 450.785 450.785 450.785 450.785 450.785 450.785 450.785 450.785 450.785 450.8875 450.8875 450.8875 450.8875 450.9375 450.9375 450.9375 450.925 450.9375 450.925 450.9375 450.9375 450.925 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 450.9375 451.0375 451.0375 451.0375 451.0375 451.0375 451.0375 451.0375	460.525 460.5375 MTX 452.9875/- MTX 460.55 460.55 460.5575 460.5675 460.6525 460.625 460.625 460.625 460.625 460.675 460.677 460.7125 460.725 460.7375 460.787 460.787 460.789 460.789 460.789 460.789 460.789 460.789 460.789 460.789 460.789 460.789 460.8875 460.8875 460.8875 460.8875 460.8975 460.9375 461.0375 461.0525 461.0525	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE

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H-PLA	N FOR 450	_452.9875/	
H. No.	BTX	MTX	REMARKS
92	451.1375	461.1375	SEE DATABASE
93	451.15	461.15	SEE DATABASE
94	451.1625	461.1625	SEE DATABASE
95 96	451.175 451.1875	461.175 461.1875	SEE DATABASE SEE DATABASE
97	451.1675	461.2	SEE DATABASE SEE DATABASE
98	451.2125	461.2125	SEE DATABASE
99	451.225	461.225	SEE DATABASE
100	451.2375	461.2375	SEE DATABASE
101	451.25	461.25	SEE DATABASE
102	451.2625	461.2625	SEE DATABASE
103	451.275	461.275	SEE DATABASE
104	451.2875	461.2875	SEE DATABASE
105	451.3	461.3	SEE DATABASE
106	451.3125	461.3125	SEE DATABASE
107	451.325	461.325	SEE DATABASE
108	451.3375	461.3375	SEE DATABASE
109	451.35	461.35	SEE DATABASE
110	451.3625	461.3625	SEE DATABASE
	451.375	461.375	SEE DATABASE
112 113	451.3875 451.4	461.3875 461.4	SEE DATABASE SEE DATABASE
114	451.4125	461.4125	SEE DATABASE
115	451.425	461.425	SEE DATABASE
116	451.4375	461.4375	SEE DATABASE
117	451.45	461.45	SEE DATABASE
118	451.4625	461.4625	SEE DATABASE
119	451.475	461.475	SEE DATABASE
120	451.4875	461.4875	SEE DATABASE
121	451.5	461.5	SEE DATABASE
122	451.5125	461.5125	SEE DATABASE
123	451.525	461.525	SEE DATABASE
124	451.5375	461.5375	SEE DATABASE
125	451.55	461.55	SEE DATABASE
126	451.5625	461.5625	SEE DATABASE SEE DATABASE
127 128	451.575 451.5875	461.575 461.5875	SEE DATABASE
129	451.6	461.6	SEE DATABASE
130	451.6125	461.6125	SEE DATABASE
131	451.625	461.625	SEE DATABASE
132	451.6375	461.6375	SEE DATABASE
133	451.65	461.65	SEE DATABASE
134	451.6625	461.6625	SEE DATABASE
135	451.675	461.675	SEE DATABASE
120			
136	451.6875	461.6875	SEE DATABASE
137	451.7	461.7	SEE DATABASE
137 138	451.7 451.7125	461.7 461.7125	SEE DATABASE SEE DATABASE
137 138 CH. No.	451.7 451.7125 BTX	461.7 461.7125 MTX	SEE DATABASE SEE DATABASE REMARKS
137 138 CH. No.	451.7 451.7125 BTX N FOR 450	461.7 461.7125 MTX 452.9875/	SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz
137 138 CH. No. H-PLA CH. No.	451.7 451.7125 BTX N FOR 450 BTX	461.7 461.7125 MTX 452.9875/	SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz
137 138 CH. No. H-PLA CH. No. 139	451.7 451.7125 BTX N FOR 450 BTX 451.725	461.7 461.7125 MTX 452.9875/ MTX 461.725	SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE
137 138 CH. No. H-PLA CH. No. 139 140	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.7375	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.7375	SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE SEE DATABASE SEE DATABASE
137 138 CH. No. H-PLA CH. No. 139 140 141	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.7375 451.75	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.7375 461.75	SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
137 138 CH. No. H-PLA CH. No. 139 140 141 142	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.7375 451.75 451.7625	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.7375 461.7625	SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
137 138 CH. No. H-PLA CH. No. 139 140 141 142 143	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.7375 451.7625 451.7625 451.775	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.7375 461.7625 461.775	SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
137 138 CH. No. H-PLA CH. No. 139 140 141 142 143 144	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.7375 451.7625 451.775 451.775 451.7875	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.7375 461.7625 461.775 461.775	SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
137 138 CH. No. H-PLA CH. No. 139 140 141 142 143 144 145	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.7375 451.75 451.7625 451.775 451.7875 451.7875	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.7375 461.7625 461.7625 461.775 461.7875 461.7875	SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
137 138 CH. No. H-PLA CH. No. 139 140 141 142 143 144 145 146	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.7375 451.7625 451.7625 451.7875 451.7875 451.8125	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.7375 461.75 461.765 461.775 461.7875 461.8125	SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
137 138 CH. No. H-PLA CH. No. 139 140 141 142 143 144 145	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.7375 451.7625 451.775 451.7875 451.8125 451.8125	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.735 461.75 461.7625 461.7875 461.818 461.818 461.8125	SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
137 138 CH. No. H-PLA CH. No. 139 140 141 142 143 144 145 146 147	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.7375 451.7625 451.7625 451.7875 451.7875 451.8125	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.7375 461.75 461.765 461.775 461.7875 461.8125	SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
137 138 H- No. H-PLA H. No. 139 140 141 142 143 144 145 146 147 148	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.7375 451.75 451.7625 451.776 451.7875 451.8125 451.8125 451.825 451.8375	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.7375 461.7625 461.775 461.7875 461.875 461.8125 461.8375	SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
137 138 3H. No. H-PLA 3H. No. 139 140 141 142 143 144 145 146 147 148	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.735 451.7625 451.7625 451.775 451.8125 451.8125 451.825 451.8375	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.735 461.75 461.765 461.775 461.8125 461.8125 461.825 461.8375 461.85	SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE
137 138 CH. No. H-PLA CH. No. 139 140 141 142 143 144 145 146 147 148 149 150 150 151	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.735 451.7625 451.7625 451.775 451.875 451.8125 451.8375 451.8375 451.8375 451.8375 451.8375 451.8375 451.8375 451.8375 451.8375 451.8375	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.735 461.75 461.7625 461.7675 461.8125 461.825 461.835 461.8625 461.85 461.8625 461.8625	SEE DATABASE SEE DATABASE SEE DATABASE 460 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 CH. No. H-PLA H. No. 139 140 141 142 143 144 145 146 147 148 149 150 151 152 152	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.725 451.7375 451.7625 451.7625 451.7875 451.8125 451.8125 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.8375 451.875 451.875 451.875 451.8875 451.9	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.725 461.75 461.75 461.785 461.8125 461.8125 461.825 461.825 461.8625 461.875 461.875 461.875	SEE DATABASE SEE DATABASE REMARKS 460 _ 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 H. No. HPLA CH. No. 139 140 141 141 142 143 144 145 146 147 148 149 150 151 152 153	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.7375 451.7625 451.7625 451.7875 451.8125 451.8125 451.825 451.8375 451.85 451.85 451.85 451.8625 451.875 451.875 451.875 451.875 451.875 451.875 451.875	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.7375 461.7875 461.7875 461.7875 461.8125 461.8125 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825	SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 H. No. H-PLA H. No. 139 140 141 142 143 144 145 146 147 148 149 150 150 151 152 153	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.735 451.7625 451.775 451.7875 451.8125 451.825 451.825 451.825 451.825 451.826 451.8275 451.8375 451.8375 451.8625 451.875 451.875 451.875 451.925	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.725 461.75 461.7625 461.7875 461.8125 461.8125 461.825 461.825 461.825 461.875 461.875 461.8875 461.895 461.925	SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 H. No. HPLA CH. No. 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.7375 451.7625 451.7625 451.7875 451.825 451.825 451.825 451.825 451.825 451.8275 451.8275 451.82875 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.829	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.735 461.7625 461.7875 461.8875 461.825 461.825 461.8375 461.825 461.825 461.8375 461.8625 461.875 461.875 461.875 461.9375	SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 H. No. H-PLA H-PLA H. No. 139 140 141 142 143 144 145 146 147 148 150 151 152 153 154 155 156 156	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.7375 451.7625 451.7625 451.776 451.8125 451.8125 451.825 451.825 451.82625 451.8625 451.8625 451.875 451.875 451.875 451.875 451.875 451.875 451.875 451.875 451.9125 451.925 451.925	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.735 461.75 461.7625 461.7875 461.8125 461.8125 461.825	SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 H. No. H-PLA DH. No. 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.7375 451.7625 451.775 451.875 451.8125 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.875 451.875 451.875 451.875 451.925 451.925 451.925 451.925 451.925	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.725 461.75 461.7875 461.7875 461.8125 461.8125 461.825 461.825 461.825 461.875 461.875 461.895 461.995 461.925 461.925	SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 H. No. H-PLA H-PLA 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 155 155 156 157 158	451.7 451.7125 BTX A51.725 451.725 451.725 451.7375 451.7625 451.7625 451.7875 451.8125 451.825 451.825 451.826 451.827 451.828 451.829 451.925 451.925 451.925 451.925 451.925 451.925 451.925	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.7375 461.75 461.767 461.7875 461.8125 461.8125 461.825 461.825 461.825 461.825 461.825 461.8625 461.875 461.875 461.9875 461.925 461.925 461.925 461.925 461.9375 461.9525 461.9625 461.9625	SEE DATABASE SEE DATABASE A60 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 H. No. H-PLA H-PLA H-PLA H. No. H. 139 140 141 142 143 144 145 146 147 148 150 151 152 153 154 155 156 156 157 158 159 160	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.735 451.735 451.7625 451.7625 451.7875 451.8125 451.8125 451.825 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.9375 451.95	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.725 461.75 461.7875 461.7875 461.8125 461.8125 461.825 461.825 461.825 461.875 461.875 461.895 461.995 461.925 461.925	SEE DATABASE SEE DATABASE SEE DATABASE 460
137 138 H. No. H-PLA H-PLA 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 155 155 156 157 158	451.7 451.7125 BTX A51.725 451.725 451.725 451.7375 451.7625 451.7625 451.7875 451.8125 451.825 451.825 451.826 451.827 451.828 451.829 451.925 451.925 451.925 451.925 451.925 451.925 451.925	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.735 461.75 461.7625 461.7675 461.8125 461.825 461.8375 461.8625 461.8625 461.8625 461.9875 461.995 461.995 461.995	SEE DATABASE SEE DATABASE A60 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 H. No. H-PLA H-PLA H. No. 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160	451.7 451.7125 BTX 451.725 BTX 451.725 451.735 451.7625 451.7625 451.7625 451.7875 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.925 451.925 451.925 451.925 451.9375 451.9625 451.9625 451.9625 451.9625 451.9625 451.9625 451.9625 451.9625	461.7 461.7125 MTX 461.725 MTX 461.725 461.725 461.7375 461.75 461.7875 461.8125 461.8125 461.825 461.8375 461.8625 461.875 461.875 461.895 461.895 461.8975 461.995 461.995 461.9955 461.9875 461.9855 461.9875 461.9875	SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 H. No. H-PLA H-PLA 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 157 158 159 160 161 162 163 164	451.7 451.7125 BTX 451.725 451.725 451.725 451.7375 451.7625 451.7625 451.7875 451.826 451.8275 451.826 451.8275 451.8275 451.828 451.829 451.829 451.829 451.829 451.829 451.829 451.825 451.825 451.825 451.825 451.825 451.925 451.925 451.925 451.9375 451.9375 451.9375 451.9375 451.945 451.945 451.95875 451.9625 451.975 451.975 451.975 451.9875 451.9875 452.0225 452.0375	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.7375 461.7875 461.7875 461.8125 461.8125 461.825 461.925 461.9375 461.9375 461.9375 461.9875 461.9875 462.0375	SEE DATABASE SEE DATABASE A60 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 H. No. H-PLA H-PLA H-PLA H. No. 139 140 141 142 143 144 145 146 147 148 150 151 152 153 154 155 156 156 157 158 159 160 161 162 163 164 163 164 165	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.7375 451.735 451.7625 451.7625 451.875 451.8125 451.8125 451.825 451.825 451.826 451.825 451.825 451.825 451.825 451.825 451.825 451.8625 451.8625 451.875 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.9375 452.025 452.025 452.0375 452.05	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.725 461.735 461.75 461.7625 461.7875 461.8125 461.8125 461.825 461.8375 461.875 461.895 461.9125 461.9125 461.925 461.925 461.925 461.975 461.975 462.025 462.0375 462.0375	SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 3H. No. H-PLA H-PLA 39 140 141 142 144 144 145 146 147 148 149 150 151 152 153 154 155 156 157 166 161 162 163 164 165	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.7375 451.7625 451.7625 451.7625 451.7875 451.825 451.825 451.8375 451.8625 451.875 451.895 451.895 451.9925 451.9925 451.9925 451.9925 451.9925 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 452.0125 452.0125 452.0125 452.0125 452.015	461.7 461.7125 MTX 461.725 MTX 461.725 461.725 461.725 461.75 461.75 461.75 461.8125 461.8125 461.825 461.825 461.875 461.875 461.897 461.897 461.897 461.987 461.9825 461.9025 461.975 461.987 462.0125 462.0125	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 H. No. H-PLA H-PLA H-PLA H. No. 139 140 141 142 143 144 145 146 147 148 150 151 152 153 154 155 155 156 157 158 159 160 161 162 163 164 165 165 166 167	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.7375 451.7625 451.7625 451.7875 451.8125 451.8125 451.825 451.825 451.825 451.8375 451.8625 451.8375 451.895 451.925 452.025 452.025 452.0375 452.055 452.075	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.7375 461.7375 461.7875 461.7875 461.8125 461.8125 461.8125 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.925 461.925 461.925 461.925 461.925 461.925 461.925 461.925 461.925 461.925 461.925 461.925 461.925 462.025 462.0375 462.055 462.075	SEE DATABASE SEE DATABASE 460 462.9875MHz 2005 (12.5 kHz) REMARKS 460 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 H. No. H-PLA	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.735 451.735 451.7625 451.7625 451.7875 451.8125 451.8125 451.825 451.8375 451.8375 451.8375 451.8375 451.9375 451.9375 451.9375 451.9375 451.9375 451.9375 451.9375 451.9375 451.9375 451.9375 451.9375 451.9375 451.9375 451.9375 451.9375 451.9375 451.9375 451.9375 451.9375 452.0375 452.0375 452.0375 452.0375 452.055 452.0625 452.075 452.0875	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.725 461.725 461.735 461.7625 461.7675 461.875 461.825 461.835 461.8625 461.8625 461.8975 461.925 461.925 461.925 461.925 461.925 461.925 461.925 461.925 462.025 462.025 462.025 462.075	SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 H. No. H-PLA H-PLA 139 140 141 142 143 144 145 146 147 150 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168	451.7 451.7125 BTX AFOR 450 BTX 451.725 451.7375 451.7375 451.7625 451.7625 451.7875 451.825 451.825 451.825 451.826 451.827 451.8975 451.9925 451.9925 451.9925 451.99375 451.9925 451.9925 451.99375 451.9925 451.99375 451.9925 451.99375 451.9925 451.99375 451.9925 451.99375 451.9925 451.99375 451.9925 452.09375 452.09375 452.09375 452.09375 452.095 452.0955 452.0955 452.0955 452.075 452.075 452.075 452.075 452.075 452.075	461.7 461.7125 MTX 461.725 MTX 461.725 461.7375 461.7375 461.75 461.7875 461.825 461.8125 461.825 461.825 461.825 461.8375 461.857 461.897 461.9875 461.9025 461.9375 461.9375 461.9375 461.925 461.9375 461.9625 462.0625 462.075 462.0625 462.075 462.075 462.075	SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 H. No. H-PLA H-PLA H-PLA H. No. 139 140 141 142 143 144 145 146 147 148 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.735 451.735 451.7625 451.7625 451.7875 451.8125 451.8125 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.8975 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.9375 452.025 452.025 452.0375 452.0875 452.075	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.735 461.75 461.767 461.7875 461.875 461.8125 461.8125 461.825 461.825 461.825 461.875 461.875 461.875 461.925 461.9125 461.925 461.925 461.925 461.925 461.925 461.925 461.925 461.925 461.925 461.925 461.925 461.925 461.925 461.925 462.025 462.025 462.025 462.025 462.025 462.075 462.075 462.075 462.075 462.075 462.075 462.075	SEE DATABASE SEE DATABASE A60 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 H. No. HPLA HPLA 139 141 142 144 145 144 145 146 147 150 151 152 153 154 155 156 157 166 167 168 169 170	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.725 451.725 451.7375 451.7625 451.7625 451.7875 451.8125 451.825 451.8375 451.8625 451.875 451.8975 451.9025 451.9125 451.925 451.925 451.9375 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 451.9875 452.0125 452.0125 452.025 452.025 452.075 452.075 452.075 452.075 452.075 452.075 452.075 452.075 452.075 452.075 452.075 452.075 452.075 452.075 452.075 452.075 452.075 452.075 452.075	461.7 461.7125 MTX 461.725 MTX 461.725 461.737 461.725 461.737 461.75 461.787 461.825 461.8125 461.825 461.837 461.8625 461.875 461.897 461.897 461.987 462.0125 462.0125 462.025 462.075 462.0875 462.0875 462.1125	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 2H. No. H-PLA 141 142 144 145 144 145 146 147 150 152 153 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171	451.7 451.7125 BTX A51.725 BTX 451.725 451.7375 451.7625 451.7625 451.7875 451.825 451.825 451.825 451.826 451.826 451.827 451.829 451.829 451.829 451.829 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.925 451.925 451.925 451.925 451.925 451.9275 452.025 452.025 452.0275 452.075 452.075 452.1125 452.1125 452.1125 452.1125 452.1125	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.7375 461.7375 461.7875 461.7875 461.8125 461.8125 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.875 461.925 461.925 461.925 461.925 461.925 461.925 461.925 461.925 461.9275 462.025 462.025 462.025 462.075 462.0875 462.1125 462.1125 462.1375	SEE DATABASE SEE DATABASE A60 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 H. No. H-PLA H-P	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.7375 451.735 451.7625 451.7625 451.875 451.8125 451.8375 451.925 451.925 451.925 451.925 451.925 452.025 452.025 452.025 452.025 452.075 452.075 452.1125 452.125 452.125 452.125	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.735 461.735 461.75 461.7625 461.7675 461.8125 461.825 461.8375 461.875 461.875 461.897 461.9125 461.925 461.925 461.925 461.925 461.925 462.025 462.025 462.025 462.025 462.075 462.075 462.1125 462.1125 462.1125 462.1125	SEE DATABASE SEE DATABASE A60 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 H. No. H-PLA H-PLA 139 140 141 142 143 144 145 146 147 150 150 155 156 157 156 157 166 167 168 169 170 171 172	451.7 451.7125 BTX A51.7125 BTX 451.725 451.7375 451.7375 451.7875 451.7875 451.825 451.825 451.825 451.826 451.827 451.827 451.828 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 452.025 452.025 452.025 452.025 452.0375 452.0625 452.075 452.1125 452.1125 452.1125 452.1125 452.1125 452.1125 452.1155 452.1155	461.7 461.7125 MTX 461.725 MTX 461.725 461.7375 461.7375 461.75 461.7875 461.873 461.825 461.825 461.825 461.825 461.8975 461.8975 461.9975 461.9076 462.0076 462.0076 462.0076 462.0076 462.0076 462.0076 462.0076 462.0077 462.0176 462.1125 462.1125 462.115	SEE DATABASE SEE DATABASE SEE DATABASE 460 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 H. No. H-PLA H-P	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.7375 451.7375 451.7625 451.7625 451.7875 451.8125 451.8125 451.825 451.825 451.8375 451.8625 451.8625 451.8625 451.8975 451.9925 451.925 451.925 451.925 451.925 451.925 451.925 451.927 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 452.025 452.025 452.025 452.025 452.025 452.025 452.125 452.125 452.125 452.125 452.125 452.125 452.125 452.125 452.125 452.125 452.1375 452.155	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.7375 461.75 461.7625 461.7875 461.8125 461.8125 461.8125 461.825 461.825 461.825 461.8625 461.925 462.025 462.025 462.025 462.025 462.075 462.0875 462.1125	SEE DATABASE SEE DATABASE 460 462.9875MHz 2005 (12.5 kHz) REMARKS 460 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 H. No. H-PLA H-PLA 139 140 141 142 143 144 145 146 147 150 150 155 156 157 156 157 166 167 168 169 170 171 172	451.7 451.7125 BTX A51.7125 BTX 451.725 451.7375 451.7375 451.7875 451.7875 451.825 451.825 451.825 451.826 451.827 451.827 451.828 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.829 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 452.025 452.025 452.025 452.025 452.0375 452.0625 452.075 452.1125 452.1125 452.1125 452.1125 452.1125 452.1125 452.1155 452.1155	461.7 461.7125 MTX 461.725 MTX 461.725 461.7375 461.7375 461.75 461.7875 461.873 461.825 461.825 461.825 461.825 461.8975 461.8975 461.9975 461.9076 462.0076 462.0076 462.0076 462.0076 462.0076 462.0076 462.0076 462.0077 462.0176 462.1125 462.1125 462.115	SEE DATABASE SEE DATABASE SEE DATABASE 460 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 3H. No. H-PLA H-PLA 139 140 141 142 144 144 145 146 147 148 149 150 151 152 153 154 155 156 157 166 167 168 169 170 170 171 172 173 174 175	451.7 451.7125 BTX NFOR 450 BTX 451.725 451.725 451.725 451.725 451.725 451.725 451.725 451.725 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 452.025 452.125 452.125 452.125 452.125 452.125 452.125 452.125 452.125 452.125 452.125	461.7 461.7125 MTX 461.725 MTX 461.725 461.725 461.725 461.725 461.75 461.75 461.7625 461.875 461.8125 461.825 461.825 461.875 461.897 461.897 461.897 461.897 461.9825 461.9025 461.9025 461.9025 461.9025 461.9025 462.0125	SEE DATABASE SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 2H. No. H-PLA 2H. No. 139 140 141 142 143 144 145 146 147 150 150 151 152 153 154 155 156 157 158 160 161 162 163 164 165 167 168 169 170 171 172 173 174 175 176	451.7 451.7125 BTX 451.7125 BTX 451.725 451.725 451.7375 451.785 451.7625 451.7875 451.826 451.827 451.826 451.827 451.826 451.827 451.827 451.828 451.826 451.827 451.826 451.827 451.826 451.827 451.827 451.826 451.827 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 451.925 452.025 452.025 452.025 452.025 452.025 452.0375 452.025 452.125 452.125 452.125 452.1375 452.125 452.175 452.175 452.175 452.1875 452.175	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.7375 461.7375 461.75, 461.7875 461.825 461.8125 461.825 461.825 461.825 461.8375 461.8875 461.89 461.9125 461.925 461.925 461.925 461.925 461.925 461.925 461.925 461.925 461.925 461.925 462.0125	SEE DATABASE SEE DATABASE SEE DATABASE 460 462.9875MHz 2005 (12.5 kHz REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE
137 138 2H. No. H-PLA 2H. No. 139 140 141 142 143 144 145 146 147 148 150 150 151 152 153 154 155 156 166 167 168 169 170 171 171 172 173 174 177 178	451.7 451.7125 BTX N FOR 450 BTX 451.725 451.7375 451.7375 451.7625 451.7625 451.7875 451.8125 451.8125 451.826 451.8375 451.8875 451.895 451.895 451.926 451.926 451.927 452.027 452.025 452.027 452.027 452.125 452.225 452.2375	461.7 461.7125 MTX 452.9875/ MTX 461.725 461.7375 461.7375 461.7875 461.7875 461.875 461.8125 461.8125 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.825 461.925 461.925 461.925 461.925 461.925 461.925 461.925 461.925 462.025 462.025 462.025 462.025 462.0375 462.0875 462.0875 462.125 462.125 462.125 462.1375 462.1875 462.2875 462.225 462.2375	SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz) REMARKS SEE DATABASE
137 138 3H. No. HI-PLA III-PLA	451.7 451.7125 BTX NFOR 450 BTX 451.725 451.725 451.725 451.725 451.725 451.725 451.725 451.725 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.925 451.925 451.925 451.925 451.925 451.925 451.925 452.025 452.125 452.125 452.125 452.125 452.125 452.125 452.225 452.225 452.225	461.7 461.7125 MTX 461.725 MTX 461.725 461.725 461.725 461.725 461.75 461.75 461.7625 461.875 461.8125 461.825 461.825 461.875 461.897 461.897 461.897 461.897 461.9825 461.9025 461.9025 461.9025 461.9025 461.9025 461.9025 462.0125 462.1125 462.125 462.125 462.225 462.225 462.225 462.225	SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE
137 138 2H. No. H-PLA 2H. No. 139 140 141 142 143 144 145 146 147 150 152 153 154 155 156 157 158 160 161 162 163 164 167 168 169 170 171 172 173 174 175 178 177 178 179 180 181	451.7 451.7125 BTX 451.7125 BTX 451.725 451.725 451.7375 451.7625 451.7625 451.7875 451.826 451.826 451.827 451.826 451.827 451.826 451.827 451.826 451.827 451.826 451.827 451.826 451.827 451.826 451.827 451.826 451.827 451.826 451.827 451.925 451.925 451.925 451.925 451.925 452.025 452.025 452.025 452.025 452.0375 452.025 452.075 452.1125 452.125 452.125 452.226 452.226 452.226 452.226	461.7 461.7125 MTX 461.7125 MTX 461.725 461.7375 461.7375 461.75 461.7875 461.8125 461.8125 461.825 461.925 461.925 461.925 461.925 462.025 462.025 462.025 462.075 462.0875 462.0875 462.125 462.225 462.2375 462.25	SEE DATABASE SEE DATABASE REMARKS 460 462.9875MHz 2005 (12.5 kHz REMARKS SEE DATABASE
137 138 3H. No. HI-PLA III-PLA	451.7 451.7125 BTX NFOR 450 BTX 451.725 451.725 451.725 451.725 451.725 451.725 451.725 451.725 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.825 451.925 451.925 451.925 451.925 451.925 451.925 451.925 452.025 452.125 452.125 452.125 452.125 452.125 452.125 452.225 452.225 452.225	461.7 461.7125 MTX 461.725 MTX 461.725 461.725 461.725 461.725 461.75 461.75 461.7625 461.875 461.8125 461.825 461.825 461.875 461.897 461.897 461.897 461.897 461.9825 461.9025 461.9025 461.9025 461.9025 461.9025 461.9025 462.0125 462.1125 462.125 462.125 462.225 462.225 462.225 462.225	SEE DATABASE SEE DATABASE REMARKS 460_462.9875MHz 2005 (12.5 kHz REMARKS 460_ATABASE SEE DATABASE

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CH-PLA	N FOR 450	452.9875	/460_462.9875MHz 2005 (12.5 kHz)
CH. No.	BTX	MTX	REMARKS
186	452.3125	462.3125	SEE DATABASE
187	452.325	462.325	SEE DATABASE
188	452.3375	462.3375	SEE DATABASE
189	452.35	462.35	SEE DATABASE
190	452.3625	462.3625	SEE DATABASE
191	452.375	462.375	SEE DATABASE
192	452.3875	462.3875	SEE DATABASE
193	452.4	462.4	SEE DATABASE
194	452.4125	462.4125	SEE DATABASE
195	452.425	462.425	SEE DATABASE
196	452.4375	462.4375	SEE DATABASE
197	452.45	462.45	SEE DATABASE
198	452.4625	462.4625	SEE DATABASE
199	452.475	462.475	SEE DATABASE
200	452.4875	462.4875	SEE DATABASE
201	452.5	462.5	SEE DATABASE
202	452.5125	462.5125	SEE DATABASE
203	452.525	462.525	SEE DATABASE
204	452.5375	462.5375	SEE DATABASE
205	452.55	462.55	SEE DATABASE
206	452.5625	462.5625	SEE DATABASE
207	452.575	462.575	SEE DATABASE
208	452.5875	462.5875	SEE DATABASE
209	452.6	462.6	SEE DATABASE
210	452.6125	462.6125	SEE DATABASE
211	452.625	462.625	SEE DATABASE
212	452.6375	462.6375	SEE DATABASE
213	452.65	462.65	SEE DATABASE
214	452.6625	462.6625	SEE DATABASE
215	452.675	462.675	SEE DATABASE
216	452.6875	462.6875	SEE DATABASE
217	452.7	462.7	SEE DATABASE
218	452.7125	462.7125	SEE DATABASE
219	452.725	462.725	SEE DATABASE
220	452.7375	462.7375	SEE DATABASE
221	452.75	462.75	SEE DATABASE
222	452.7625	462.7625	SEE DATABASE
223	452.775	462.775	SEE DATABASE
224	452.7875	462.7875	SEE DATABASE
225	452.8	462.8	SEE DATABASE
226	452.8125	462.8125	SEE DATABASE
227	452.825 452.8375	462.825 462.8375	SEE DATABASE
228 229	452.8375 452.85	462.8375	SEE DATABASE SEE DATABASE
-			
230 231	452.8625 452.875	462.8625 462.875	SEE DATABASE SEE DATABASE
231	452.8875	462.8875	SEE DATABASE
232	402.8879	402.00/0	SEE DATADASE
CH. No.	RTY	MTX	REMARKS
	BTX BTX		•
CH-PLA	IN FOR 450	_452.9875/	<u>/460_462.9875MHz 2005 (12.5 kHz)</u>
CH. No.	BTX	MTX	REMARKS
233	452.9	462.9	SEE DATABASE
234	452.9125	462.9125	SEE DATABASE
235	452.925	462.925	SEE DATABASE
236	452.9375	462.9375	SEE DATABASE
237	452.95	462.95	SEE DATABASE
238	452.9625	462.9625	SEE DATABASE
239	452.975	462.975	SEE DATABASE
240	452.9875	462.9875	SEE DATABASE

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HANN	EL PLAN FOR	453 - 453.9875MHz 2003 (12.5kHz)
CH. No.	SF	REMARKS S/Gr
1	453	SEE DATABASE
3	453.0125 453.025	SEE DATABASE SEE DATABASE
4	453.0375	SEE DATABASE
5	453.05	SEE DATABASE
6	453.0625	SEE DATABASE
7 8	453.075	SEE DATABASE SEE DATABASE
9	453.0875 453.1	SEE DATABASE SEE DATABASE
10	453.1125	SEE DATABASE
11	453.125	SEE DATABASE
12	453.1375	SEE DATABASE
13 14	453.15 453.1625	SEE DATABASE SEE DATABASE
15	453.175	SEE DATABASE
16	453.1875	SEE DATABASE
17	453.2	SEE DATABASE
18 19	453.2125 453.225	SEE DATABASE SEE DATABASE
20	453.2375	SEE DATABASE SEE DATABASE
21	453.25	SEE DATABASE
22	453.2625	SEE DATABASE
23	453.275	SEE DATABASE
24	453.2875	SEE DATABASE
25 26	453.3 453.3125	SEE DATABASE SEE DATABASE
27	453.325	SEE DATABASE
28	453.3375	SEE DATABASE
29	453.35	SEE DATABASE
30	453.3625	SEE DATABASE
31 32	453.375 453.3875	SEE DATABASE SEE DATABASE
33	453.4	SEE DATABASE
34	453.4125	SEE DATABASE
35	453.425	SEE DATABASE
36	453.4375	SEE DATABASE
37 38	453.45 453.4625	SEE DATABASE SEE DATABASE
39	453.475	SEE DATABASE
40	453.4875	SEE DATABASE
41	453.5	SEE DATABASE
42	453.5125	SEE DATABASE
43 44	453.525 453.5375	SEE DATABASE SEE DATABASE
45	453.55	SEE DATABASE
46	453.5625	SEE DATABASE
47	453.575	SEE DATABASE
HANNI	EL PLAN FOR	453 - 453.9875MHz 2003 (12.5kHz)
48	453.5875	SEE DATABASE
49	453.6	SEE DATABASE
50	453.6125	SEE DATABASE
51 52	453.625 453.6375	SEE DATABASE SEE DATABASE
53	453.65	SEE DATABASE
54	453.6625	SEE DATABASE
55	453.675	SEE DATABASE
56 57	453.6875 453.7	SEE DATABASE SEE DATABASE
58	453.7 453.7125	SEE DATABASE SEE DATABASE
59	453.725	SEE DATABASE
60	453.7375	SEE DATABASE
61	453.75	SEE DATABASE
62	453.7625 453.775	SEE DATABASE SEE DATABASE
	453.7625 453.775 453.7875	SEE DATABASE SEE DATABASE SEE DATABASE
62 63	453.775 453.7875 453.8	SEE DATABASE SEE DATABASE SEE DATABASE
62 63 64 65 66	453.775 453.7875 453.8 453.8125	SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
62 63 64 65 66 67	453.775 453.7875 453.8 453.8125 453.825	SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
62 63 64 65 66 67 68	453.775 453.7875 453.8 453.8125 453.825 453.8375	SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
62 63 64 65 66 67	453.775 453.7875 453.8 453.8125 453.825	SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
62 63 64 65 66 67 68 69	453.775 453.7875 453.8 453.8125 453.825 453.8375 453.8375	SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
62 63 64 65 66 67 68 69 70 71	453.775 453.7875 453.8 453.8125 453.825 453.825 453.85 453.865 453.8625 453.875	SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
62 63 64 65 66 67 68 69 70 71 72 73	453.775 453.7875 453.8 453.8125 453.825 453.8375 453.85 453.8625 453.8625 453.875 453.8875 453.875	SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
62 63 64 65 66 67 68 69 70 71 72 73	453.775 453.7875 453.8 453.8125 453.825 453.8375 453.8625 453.8625 453.8625 453.8675 453.8875 453.99	SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
62 63 64 65 66 67 68 69 70 71 72 73	453.775 453.7875 453.8 453.8125 453.825 453.8375 453.85 453.8625 453.8625 453.875 453.8875 453.875	SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE SEE DATABASE
62 63 64 65 66 67 68 69 70 71 72 73 74	453.775 453.7875 453.8 453.8125 453.825 453.8375 453.8625 453.875 453.875 453.875 453.9125	SEE DATABASE SEE DATABASE
62 63 64 65 66 67 68 69 70 71 72 73 74 75	453.775 453.7875 453.8 453.8125 453.825 453.8375 453.85 453.8625 453.875 453.875 453.975 453.975 453.9125 453.925 453.9375	SEE DATABASE SEE DATABASE

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			64.425_470MHz 2004 (12.5 kHz)
CH. No.	BTX	MTX	REMARKS
2	454.425 454.4375	464.425 464.4375	VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS
3	454.45	464.45	VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS
4	454.4625	464.4625	VARIOUS ASSIGMENTS
5	454.475	464.475	VARIOUS ASSIGMENTS
6	454.4875	464.4875	VARIOUS ASSIGMENTS
7	454.5	464.5	VARIOUS ASSIGMENTS
9	454.5125 454.525	464.5125 464.525	VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS
10	454.5375	464.5375	VARIOUS ASSIGMENTS
11	454.55	464.55	VARIOUS ASSIGMENTS
12	454.5625	464.5625	VARIOUS ASSIGMENTS
13	454.575	464.575	VARIOUS ASSIGMENTS
14	454.5875	464.5875	VARIOUS ASSIGMENTS
15 16	454.6 454.6125	464.6 464.6125	VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS
17	454.625	464.625	VARIOUS ASSIGMENTS
18	454.6375	464.6375	VARIOUS ASSIGMENTS
19	454.65	464.65	VARIOUS ASSIGMENTS
20	454.6625	464.6625	VARIOUS ASSIGMENTS
21	454.675	464.675	VARIOUS ASSIGMENTS
22	454.6875 454.7	464.6875 464.7	VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS
24	454.7125	464.7125	VARIOUS ASSIGMENTS
25	454.725	464.725	VARIOUS ASSIGMENTS
26	454.7375	464.7375	VARIOUS ASSIGMENTS
27	454.75	464.75 464.7625	VARIOUS ASSIGMENTS
28 29	454.7625 454.775	464.7625 464.775	VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS
30	454.7875	464.7875	VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS
31	454.8	464.8	VARIOUS ASSIGMENTS
32	454.8125	464.8125	VARIOUS ASSIGMENTS
33	454.825	464.825	VARIOUS ASSIGMENTS
34 35	454.8375 454.85	464.8375 464.85	VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS
36	454.8625	464.8625	VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS
37	454.875	464.875	VARIOUS ASSIGMENTS
38	454.8875	464.8875	VARIOUS ASSIGMENTS
39	454.9	464.9	VARIOUS ASSIGMENTS
40	454.9125 454.925	464.9125 464.925	VARIOUS ASSIGMENTS
42	454.9375	464.9375	VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS
43	454.95	464.95	VARIOUS ASSIGMENTS
44	454.9625	464.9625	VARIOUS ASSIGNMENTS
		404.9023	VARIOUS ASSIGMENTS
	BTX AN FOR 454	мтх .425_460/46	REMARKS 64.425_470MHz 2004 (12.5 kHz)
	BTX AN FOR 454 BTX 454.975	MTX	REMARKS
CH-PLA CH. No. 45 46	BTX AN FOR 454 BTX 454.975 454.9875	MTX .425_460/46 MTX 464.975 464.9875	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS
CH. No. 45 46 47	BTX AN FOR 454 BTX 454.975 454.9875 455	MTX .425_460/46 MTX 464.975 464.9875 465	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PLA CH. No. 45 46	BTX AN FOR 454 BTX 454.975 454.9875	MTX .425_460/46 MTX 464.975 464.9875	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS
CH-PLA CH. No. 45 46 47 48 49 50	BTX AN FOR 454 BTX 454.975 455.0125 455.025 455.0375	MTX .425_460/46 MTX 464.975 465.0455 465.0125 465.0375	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL EXISTING TRANSTEL EXISTING TRANSTEL EXISTING TRANSTEL EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51	BTX AN FOR 454 BTX 454.975 455.0125 455.025 455.0375 455.05	MTX .425_460/44 MTX .464.975 .465.0125 .465.025 .465.0375 .466.05	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL EXISTING TRANSTEL EXISTING TRANSTEL EXISTING TRANSTEL EXISTING TRANSTEL EXISTING TRANSTEL EXISTING TRANSTEL
CH-PLA CH. No. 45 46 47 48 49 50 51	BTX AN FOR 454 BTX 454.975 455.0125 455.0125 455.026 455.0375 455.05 455.0625	MTX .425_460/46 MTX 464.975 464.9875 465.0125 465.025 465.025 465.05 465.065	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL EXISTING TRANSTEL EXISTING TRANSTEL EXISTING TRANSTEL EXISTING TRANSTEL EXISTING TRANSTEL EXISTING TRANSTEL EXISTING TRANSTEL EXISTING TRANSTEL
CH. No. 45 46 47 48 49 50 51 52	BTX BTX 454.975 454.9875 455.0125 455.025 455.0375 455.0625 455.075	MTX .425_460/44 MTX .464.975 .464.9875 .465.0125 .465.025 .465.025 .465.0625 .465.075	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PLA CH. No. 45 46 47 48 49 50 51	BTX AN FOR 454 BTX 454.975 455.0125 455.0125 455.026 455.0375 455.05 455.0625	MTX .425_460/46 MTX 464.975 464.9875 465.0125 465.025 465.025 465.05 465.065	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL EXISTING TRANSTEL EXISTING TRANSTEL EXISTING TRANSTEL EXISTING TRANSTEL EXISTING TRANSTEL EXISTING TRANSTEL EXISTING TRANSTEL EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56	BTX AN FOR 454 BTX 454.975 455.0125 455.025 455.025 455.0625 455.0625 455.0875 455.0875 455.1125	MTX .425_460/44 MTX 464.975 464.9875 465.0125 465.025 465.025 465.05 465.05 465.05 465.05 465.075 465.0875 465.1125	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56	BTX AN FOR 454 BTX 454.975 454.9875 455.0125 455.025 455.025 455.0625 455.0625 455.0875 455.1125 455.1125	MTX .425_460/46 MTX 464.975 464.9875 465.0125 465.025 465.025 465.05 465.0625 465.0625 465.0875 465.1125 465.1125	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58	BTX BTX 454.975 454.9875 455.0125 455.0125 455.025 455.0625 455.075 455.087 455.1125 455.1125 455.1375	MTX .425_460/46 MTX .464.975 .464.9875 .465.0125 .465.025 .465.0375 .465.0625 .465.075 .465.0875 .465.1125 .465.1375	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56	BTX AN FOR 454 BTX 454.975 454.9875 455.0125 455.025 455.025 455.0625 455.0625 455.0875 455.1125 455.1125	MTX .425_460/46 MTX 464.975 464.9875 465.0125 465.025 465.025 465.05 465.0625 465.0625 465.0875 465.1125 465.1125	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PLA CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59	BTX AN FOR 454 BTX 454.975 454.9875 455.0125 455.025 455.0625 455.0625 455.076 455.0875 455.1125 455.125 455.125 455.125 455.125 455.125 455.125 455.15 455.1625 455.1625 455.176	MTX MTX 4425_460/44 MTX 464.975 464.9875 465.0125 465.025 465.0375 465.05 465.0525 465.075 465.0875 465.1125 465.125 465.1375 465.15 465.15 465.15	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62	BTX AN FOR 454 BTX 454.975 455.9875 455.0125 455.025 455.025 455.0625 455.0625 455.0875 455.1125 455.1125 455.125 455.126 455.126 455.1625 455.15 455.15 455.15	MTX .425_460/44 MTX 464.975 465.975 465.0125 465.025 465.0375 465.05 465.0625 465.075 465.1125 465.125 465.1375 465.15 465.15 465.15	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63	BTX BTX 454.975 454.975 454.9875 455.0125 455.025 455.025 455.0375 455.0625 455.075 455.125 455.1375 455.125 455.1375 455.1525 455.175 455.1825 455.175 455.1825 455.175 455.1825 455.175 455.1825 455.175 455.1825	MTX .425_460/46 MTX .464.975 .464.9875 .465.0125 .465.025 .465.0375 .465.05 .465.05 .465.075 .465.0875 .465.1125 .465.1375 .465.1375 .465.1375 .465.1825 .465.175 .465.175 .465.1825 .465.175 .465.1825 .465.175 .465.1825 .465.175 .465.1825 .465.175 .465.1825 .465.175 .465.1825 .465.175 .465.1825 .465.175	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	BTX AN FOR 454 BTX 454.975 455.9875 455.0125 455.025 455.0375 455.0625 455.0875 455.125 455.125 455.125 455.125 455.15 455.15 455.15 455.15 455.1625 455.175 455.1875 455.1875 455.1875	MTX 425_460/44 MTX 464.975 465.975 465.0125 465.025 465.0375 465.0625 465.0875 465.1125 465.1125 465.125 465.1375 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.1875 465.1875 465.1875 465.1875	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63	BTX BTX 454.975 454.975 454.9875 455.0125 455.025 455.025 455.0375 455.0625 455.075 455.125 455.1375 455.125 455.1375 455.1525 455.175 455.1825 455.175 455.1825 455.175 455.1825 455.175 455.1825 455.175 455.1825	MTX .425_460/46 MTX .464.975 .464.9875 .465.0125 .465.025 .465.0375 .465.05 .465.05 .465.075 .465.0875 .465.1125 .465.1375 .465.1375 .465.1375 .465.1825 .465.175 .465.175 .465.1825 .465.175 .465.1825 .465.175 .465.1825 .465.175 .465.1825 .465.175 .465.1825 .465.175 .465.1825 .465.175 .465.1825 .465.175	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 68 60 61 62 63 64 65 66 67	BTX AN FOR 454 BTX 454.975 455.975 455.0125 455.025 455.025 455.0875 455.125 455.125 455.125 455.125 455.125 455.125 455.125 455.125 455.125 455.225 455.2375 455.2375 455.225 455.225 455.2375	MTX .425_460/44 MTX .446.975 464.9875 465.0125 465.025 465.0375 465.05 465.0875 465.1125 465.1125 465.1375 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.25 465.27 465.27 465.27 465.27 465.27 465.27	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 60 61 62 63 64 65 66 67 68	BTX BTX 454,975 454,975 454,9875 455,025 455,025 455,025 455,025 455,075 455,062 455,075 455,125 455,1125 455,1375 455,125 455,1375 455,1825 455,1825 455,1825 455,1825 455,1825 455,1825 455,1825 455,1825 455,1825 455,1825 455,1825 455,1825 455,1825 455,1825 455,1825 455,1825 455,1825 455,1825 455,2825 455,2825 455,2825	MTX .425_460/44 MTX .446.975 464.9875 465.0125 465.0125 465.0375 465.05 465.0625 465.075 465.1125 465.1125 465.1375 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.25 465.25 465.25	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 60 61 62 63 64 65 66 67 68	BTX AN FOR 454 BTX 454.975 454.9875 455.0125 455.025 455.0625 455.0625 455.076 455.1125 455.1125 455.1375 455.1625 455.1576 455.1525 455.2526 455.225 455.225 455.225 455.225 455.226 455.2275	MTX MTX 4425_460/44 MTX 464.975 465.05 465.0125 465.05 465.05 465.05 465.05 465.05 465.1125 465.1125 465.125 465.1375 465.15 465.15 465.15 465.15 465.15 465.15 465.25 465.215 465.225 465.2375 465.25 465.25	REMARKS 64.425 470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 67 68 69 70	BTX BTX 454.975 454.9875 455.9875 455.0125 455.0375 455.0625 455.076 455.125 455.125 455.125 455.1375 455.15 455.1825 455.1825 455.1825 455.1825 455.1825 455.1825 455.1825 455.2825 455.2825 455.2825	MTX .425_460/44 MTX .446.975 464.9875 465.0125 465.0125 465.0375 465.05 465.0625 465.075 465.1125 465.1125 465.1375 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.25 465.25 465.25	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 60 61 62 63 64 65 66 67 68 69 70 71 72	BTX AN FOR 454 BTX 454.975 455.9875 455.025 455.025 455.0375 455.0625 455.076 455.125 455.125 455.125 455.125 455.126 455.126 455.125 455.125 455.225 455.225 455.225 455.225 455.225 455.225 455.225 455.225 455.225 455.225 455.225 455.225 455.225 455.225 455.225 455.2375 455.2625 455.2625 455.275 455.2875	MTX 425_460/44 MTX 444.975 464.9875 465.0125 465.025 465.025 465.057 465.0875 465.1125 465.125 465.125 465.125 465.125 465.125 465.125 465.125 465.2375 465.25 465.2375 465.225 465.225 465.225 465.2275 465.2875 465.2875 465.2875 465.2875	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 66 67 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73	BTX BTX AN FOR 454 BTX 454.975 454.9875 455.025 455.025 455.025 455.0575 455.065 455.125 455.125 455.1375 455.125 455.1375 455.1825 455.1825 455.1825 455.25 455.25 455.25 455.25 455.25 455.25 455.25 455.25 455.25 455.25 455.25 455.25 455.25 455.25 455.25 455.25 455.265 455.275 455.2875 455.3125	MTX	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74	BTX AN FOR 454 BTX 454.975 454.9875 455.0125 455.025 455.025 455.0875 455.0875 455.1125 455.1125 455.1375 455.1625 455.1375 455.15 455.15 455.25 455.25 455.25 455.25 455.275 455.2875 455.2875 455.3125	MTX MTX 4425_460/44 MTX 464.975 465.975 465.0125 465.025 465.0375 465.05 465.05 465.05 465.1125 465.1125 465.125 465.1375 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.25 465.25 465.275 465.25	REMARKS 64.425 470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74	BTX BTX AN FOR 454 BTX 454.975 454.9875 455.0825 455.0125 455.0875 455.0625 455.076 455.076 455.1125 455.1125 455.1125 455.1125 455.1125 455.1875 455.1875 455.1875 455.287 455.297 455.297 455.297 455.297 455.297 455.297 455.297 455.297 455.297 455.297 455.297 455.297 455.297 455.297 455.297 455.297 455.297 455.3125 455.3125 455.3125 455.3125 455.3125 455.3125 455.3125 455.3125 455.325 455.325 455.325 455.325 455.325 455.325 455.325	MTX .425_460/44 MTX 464.975 464.9875 465.025 465.0125 465.025 465.0375 465.0625 465.075 465.075 465.1125 465.1125 465.125 465.1375 465.15 465.125 465.125 465.125 465.125 465.125 465.125 465.125 465.125 465.125 465.125 465.125 465.125 465.225 465.225 465.225 465.225 465.225 465.225 465.225 465.225 465.225 465.325 465.3125 465.3125 465.3125 465.3125 465.325 465.325	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74	BTX AN FOR 454 BTX 454.975 454.9875 455.0125 455.025 455.025 455.0875 455.0875 455.1125 455.1125 455.1375 455.1625 455.1375 455.15 455.15 455.25 455.25 455.25 455.25 455.275 455.2875 455.2875 455.3125	MTX MTX 4425_460/44 MTX 464.975 465.975 465.0125 465.025 465.0375 465.05 465.05 465.05 465.1125 465.1125 465.125 465.1375 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.25 465.25 465.275 465.25	REMARKS 64.425 470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 65 56 67 68 69 69 70 71 72 73 74 75 76 77 78	BTX BTX AN FOR 454 BTX 454.975 454.9875 455.025 455.025 455.025 455.075 455.0875 455.125 455.1125 455.1375 455.125 455.1375 455.1825 455.175 455.1825 455.225 455.325 455.325 455.325 455.325 455.325 455.325 455.325 455.325 455.325	MTX	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 60 61 62 63 64 65 67 70 71 72 73 74 75 76 77 78 79	BTX AN FOR 454 BTX 454.975 454.9875 455.0125 455.0125 455.025 455.0375 455.0875 455.1125 455.125 455.1375 455.125 455.125 455.125 455.125 455.225 455.2375 455.225 455.2375 455.225 455.2375 455.2375 455.325 455.325 455.325 455.325 455.325 455.3375 455.325 455.3375 455.325 455.3375 455.325 455.3375 455.3625 455.3375 455.3625 455.3375 455.3625 455.375 455.3625	MTX MTX 4425_460/44 MTX 464.975 465.975 465.025 465.0375 465.05 465.05 465.075 465.0875 465.1125 465.1125 465.1375 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.26 465.275 465.25 465.275 465.25 465.275 465.2875 465.3375 465.3375 465.3375 465.3625 465.375	REMARKS 64.425 470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 80	BTX BTX AN FOR 454 BTX 454.975 454.9875 455.9875 455.0125 455.0375 455.0625 455.076 455.076 455.1125 455.1125 455.1125 455.1125 455.1125 455.1125 455.1875 455.1875 455.1875 455.2875 455.297 455.297 455.297 455.297 455.297 455.297 455.3175 455.325 455.3375 455.3375 455.3875 455.3875 455.3875 455.3875	MTX .425_460/44 MTX 464.975 464.9875 465.9875 465.0125 465.0125 465.025 465.0375 465.0625 465.075 465.1125 465.1125 465.1125 465.1125 465.125 465.125 465.125 465.125 465.125 465.125 465.125 465.125 465.125 465.125 465.125 465.125 465.225 465.225 465.225 465.225 465.225 465.225 465.225 465.225 465.3375 465.3125 465.3125 465.325 465.325 465.325 465.325 465.325 465.325 465.325 465.3375 465.3575 465.3575 465.375 465.375 465.375 465.375 465.375 465.375 465.375 465.375 465.375 465.375 465.375 465.375	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 67 58 59 60 61 62 63 64 65 66 67 71 72 73 74 75 76 77 78 80 81	BTX BTX AN FOR 454 BTX 454.975 454.9875 455.0125 455.025 455.025 455.0375 455.062 455.0875 455.11 455.11 455.1125 455.1375 455.15 455.25 455.26 455.275 455.2875 455.325 455.325 455.325 455.325 455.325 455.325 455.325 455.325 455.325 455.325 455.325 455.325 455.325 455.325 455.325 455.325 455.325 455.325 455.325	MTX MTX 44.975 464.9875 464.9875 465.0125 465.025 465.025 465.0375 465.0625 465.075 465.1125 465.1125 465.1125 465.1375 465.1825 465.1825 465.1825 465.2025 465.2025 465.2025 465.2025 465.2025 465.2025 465.2025 465.2025 465.2025 465.2025 465.2025 465.2025 465.2025 465.2025 465.2025 465.2025 465.2025 465.3025 465.4025	REMARKS 64.425 470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 80	BTX BTX AN FOR 454 BTX 454.975 454.9875 455.9875 455.0125 455.0375 455.0625 455.076 455.076 455.1125 455.1125 455.1125 455.1125 455.1125 455.1125 455.1875 455.1875 455.1875 455.2875 455.297 455.297 455.297 455.297 455.297 455.297 455.3175 455.325 455.3375 455.3375 455.3875 455.3875 455.3875 455.3875	MTX MTX MTX 4425_460/44 MTX 464.975 464.9875 465.025 465.0125 465.025 465.0375 465.0625 465.075 465.1125 465.1125 465.1375 465.15 465.125 465.125 465.125 465.125 465.125 465.125 465.125 465.125 465.125 465.125 465.125 465.225 465.225 465.225 465.225 465.225 465.225 465.225 465.325 465.325 465.3125 465.3125 465.3125 465.325 465.325 465.325 465.3375 465.3575 465.3575 465.375 465.3875 465.3875 465.3875 465.3875 465.3875 465.3875 465.3875	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 80 81	BTX AN FOR 454 BTX 454.975 454.9875 455.025 455.025 455.0625 455.0625 455.0875 455.1125 455.1125 455.125 455.1375 455.1875 455.1875 455.1875 455.29 455.225 455.225 455.225 455.225 455.225 455.225 455.2375 455.225 455.2375 455.226 455.2375 455.2275 455.225 455.2375 455.225 455.2375 455.225 455.2375 455.2375 455.2375 455.2375 455.2375 455.2375 455.2375 455.2375 455.3375 455.3375 455.3375 455.3375 455.3375 455.3375 455.3375 455.3375 455.3455.3455 455.375 455.375 455.3854 455.375 455.3854 455.375 455.3855 455.3855 455.3855 455.3855 455.3855 455.4455.425 455.425	MTX MTX 4425_460/44 MTX 464.975 465.975 465.025 465.0375 465.05 465.05 465.05 465.075 465.125 465.125 465.1375 465.125 465.125 465.125 465.125 465.125 465.1375 465.125 465.2375 465.2375 465.2465.2375 465.25 465.2375 465.25 465.25 465.25 465.275 465.25 465.275 465.2875 465.3825 465.375 465.3825 465.375 465.3825 465.3875 465.3875 465.3875 465.3875 465.4465.4125	REMARKS 64.425 470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 78 79 80 81 82 83 84 85	BTX BTX AN FOR 454 BTX 454.975 454.9875 455.9875 455.0125 455.0375 455.0625 455.076 455.125 455.125 455.1375 455.15 455.2875 455.29 455.29 455.29 455.325 455.425 455.425 455.425	MTX	REMARKS 64.425_470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 65 56 67 58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86	BTX AN FOR 454 BTX 454.975 454.9875 455.9875 455.0125 455.025 455.0375 455.0625 455.075 455.1125 455.1125 455.1375 455.15 455.15 455.1625 455.175 455.1825 455.2625 455.275 455.2825 455.2825 455.2825 455.28375 455.325 455.375 455.325 455.425 455.425 455.425 455.425	MTX MTX 44.975 464.9875 465.9875 465.0125 465.025 465.0375 465.05 465.065 465.1125 465.1125 465.1375 465.1375 465.1825 465.175 465.1825 465.1825 465.2825 465.2825 465.2825 465.28375 465.3125 465.4125 465.4125 465.4125 465.4125 465.4175 465.4475	REMARKS 64.425 470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 55 56 67 58 60 61 62 63 63 64 65 66 67 77 78 80 81 81 82 83 84 85 86 87	BTX NFOR 454 BTX 454.975 454.9875 455.075 455.0125 455.025 455.075 455.0875 455.0875 455.1125 455.1125 455.1375 455.16 455.15 455.125 455.2625 455.275 455.2875 455.2875 455.3875 455.4875 455.4875 455.4875 455.4875	MTX MTX 4425_460/44 MTX 464.975 465.975 465.025 465.0375 465.05 465.05 465.0875 465.125 465.125 465.1375 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.15 465.25 465.27 465.25 465.27 465.25 465.27 465.37 465.38 465.38 465.38 465.375 465.38 465.38 465.385 465.375 465.475	REMARKS 64.425 470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL
CH-PL/ CH. No. 45 46 47 48 49 50 51 52 53 54 65 56 67 58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86	BTX AN FOR 454 BTX 454.975 454.9875 455.9875 455.0125 455.025 455.0375 455.0625 455.075 455.1125 455.1125 455.1375 455.15 455.15 455.1625 455.175 455.1825 455.2625 455.275 455.2825 455.2825 455.2825 455.28375 455.325 455.375 455.325 455.425 455.425 455.425 455.425	MTX MTX 44.975 464.9875 465.9875 465.0125 465.025 465.0375 465.05 465.065 465.1125 465.1125 465.1375 465.1375 465.1825 465.175 465.1825 465.1825 465.2825 465.2825 465.2825 465.28375 465.3125 465.4125 465.4125 465.4125 465.4125 465.4175 465.4475	REMARKS 64.425 470MHz 2004 (12.5 kHz) REMARKS VARIOUS ASSIGMENTS VARIOUS ASSIGMENTS EXISTING TRANSTEL

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CH-Nc. BTX MTX REMARKS. 92 455.5625 465.5625 ADDITIONAL TRANSTEL (MIGRATION). 94 455.5625 465.5625 ADDITIONAL TRANSTEL (MIGRATION). 95 455.5627 465.5675 ADDITIONAL TRANSTEL (MIGRATION). 96 455.6125 465.6125 ADDITIONAL TRANSTEL (MIGRATION). 97 455.622 465.626 ADDITIONAL TRANSTEL (MIGRATION). 98 455.6125 465.6125 ADDITIONAL TRANSTEL (MIGRATION). 98 455.6375 465.6375 ADDITIONAL TRANSTEL (MIGRATION). 98 455.6375 465.6375 ADDITIONAL TRANSTEL (MIGRATION). 98 455.6375 465.6375 ADDITIONAL TRANSTEL (MIGRATION). 100 455.6625 465.6625 ADDITIONAL TRANSTEL (MIGRATION). 101 455.676 465.673 ADDITIONAL TRANSTEL (MIGRATION). 102 455.6625 465.6625 ADDITIONAL TRANSTEL (MIGRATION). 103 455.77 465.7 ADDITIONAL TRANSTEL (MIGRATION). 104 455.7125 465.673 ADDITIONAL TRANSTEL (MIGRATION). 105 455.7125 465.725 ADDITIONAL TRANSTEL (MIGRATION). 106 455.7125 465.725 ADDITIONAL TRANSTEL (MIGRATION). 107 455.75 465.735 ADDITIONAL TRANSTEL (MIGRATION). 108 455.7375 465.735 ADDITIONAL TRANSTEL (MIGRATION). 109 455.7375 465.7375 ADDITIONAL TRANSTEL (MIGRATION). 109 455.767 465.7375 ADDITIONAL TRANSTEL (MIGRATION). 100 455.767 465.7375 ADDITIONAL TRANSTEL (MIGRATION). 101 455.767 465.7375 ADDITIONAL TRANSTEL (MIGRATION). 102 455.86875 465.7375 ADDITIONAL TRANSTEL (MIGRATION). 105 455.725 465.7375 ADDITIONAL TRANSTEL (MIGRATION). 106 455.767 465.775 ADDITIONAL TRANSTEL (MIGRATION). 107 455.75 465.75 ADDITIONAL TRANSTEL (MIGRATION). 108 455.7675 465.775 ADDITIONAL TRANSTEL (MIGRATION). 110 455.875 465.780 ADDITIONAL TRANSTEL (MIGRATION). 111 455.881 465.8825 ADDITIONAL TRANSTEL (MIGRATION). 112 455.8125 AGS. ADDITIONAL TRANSTEL (MIGRATION). 113 455.825 465.825 ADDITIONAL TRANSTEL (MIGRATION). 114 455.8275 465.8375 ADDITIONAL TRANSTEL (MIGRATION). 115 455.8975 465.8375 ADDITIONAL TRANSTEL (MIGRATION). 116 455.8975 465.8975 ADDITIONAL TRANSTEL (MIGRATION). 117 455.8975 465.8975 ADDITIONAL TRANSTEL (MIGRATION). 118 455.8975 466.8975 ADDITIONAL TRANSTEL (MIGRATION). 129 456.9125 466.925 ADDITIONAL TRANSTEL (MIGRATI)	REMARKS ADDITIONAL TRANSTEL (MIGRATION)	MTX 465.5625	BTX 455.5625	CH. No.
93)				92
94 455.8975 465.8975 ADDITIONAL TRANSTEL (MIGRATION) 96 455.6125 465.6125 ADDITIONAL TRANSTEL (MIGRATION) 97 455.625 465.625 ADDITIONAL TRANSTEL (MIGRATION) 98 455.6375 465.6375 ADDITIONAL TRANSTEL (MIGRATION) 99 455.625 465.625 ADDITIONAL TRANSTEL (MIGRATION) 100 455.6625 465.625 ADDITIONAL TRANSTEL (MIGRATION) 101 455.6625 465.625 ADDITIONAL TRANSTEL (MIGRATION) 102 455.6625 465.625 ADDITIONAL TRANSTEL (MIGRATION) 103 455.75 465.675 ADDITIONAL TRANSTEL (MIGRATION) 104 455.7125 465.7125 ADDITIONAL TRANSTEL (MIGRATION) 105 465.725 465.725 ADDITIONAL TRANSTEL (MIGRATION) 106 455.725 465.725 ADDITIONAL TRANSTEL (MIGRATION) 107 455.75 465.725 ADDITIONAL TRANSTEL (MIGRATION) 108 455.726 465.725 ADDITIONAL TRANSTEL (MIGRATION) 109 455.75 465.737 ADDITIONAL TRANSTEL (MIGRATION) 109 455.75 465.725 ADDITIONAL TRANSTEL (MIGRATION) 110 455.787 465.737 ADDITIONAL TRANSTEL (MIGRATION) 110 455.787 465.737 ADDITIONAL TRANSTEL (MIGRATION) 110 455.787 465.725 ADDITIONAL TRANSTEL (MIGRATION) 110 455.787 465.725 ADDITIONAL TRANSTEL (MIGRATION) 111 455.80 465.825 ADDITIONAL TRANSTEL (MIGRATION) 112 455.8125 465.825 ADDITIONAL TRANSTEL (MIGRATION) 113 455.825 465.825 ADDITIONAL TRANSTEL (MIGRATION) 114 455.837 465.8375 ADDITIONAL TRANSTEL (MIGRATION) 115 456.862 466.825 ADDITIONAL TRANSTEL (MIGRATION) 116 455.862 466.825 ADDITIONAL TRANSTEL (MIGRATION) 117 455.875 465.875 ADDITIONAL TRANSTEL (MIGRATION) 118 456.805 466.825 ADDITIONAL TRANSTEL (MIGRATION) 119 455.90 466.825 ADDITIONAL TRANSTEL (MIGRATION) 120 456.925 466.825 ADDITIONAL TRANSTEL (MIGRATION) 121 456.825 466.825 ADDITIONAL TRANSTEL (MIGRATION) 122 456.925 466.825 ADDITIONAL TRANSTEL (MIGRATION) 123 456.925 466.825 ADDITIONAL TRANSTEL (MIGRATION)))))	ADDITIONAL TRANSTEL (MIGRATION)			
96))))	ADDITIONAL TRANSTEL (MIGRATION)			
97))				
98)	ADDITIONAL TRANSTEL (MIGRATION)	465.6125	455.6125	
99)				
100					
102	,				
103					
104					
105					
107)	ADDITIONAL TRANSTEL (MIGRATION)	465.725	455.725	105
108					
109					
110					
112				455.7875	
113					
1114					
116)	ADDITIONAL TRANSTEL (MIGRATION)			
117					
118					
119					
121)	ADDITIONAL TRANSTEL (MIGRATION)	465.9	455.9	119
122					
123					
125					123
126					
127					
128					
130					
131					
132					
134					
135					
136					
137					
CH. No. BTX MTX REMARKS CH-PLAN FOR 454.425_460/464.425_470MHz 2004 (12 CH. No. BTX MTX REMARKS 139 456.15 466.15 ADDITIONAL TRANSTEL (MIGRATION) 140 456.1625 466.1625 ADDITIONAL TRANSTEL (MIGRATION) 141 456.175 466.175 ADDITIONAL TRANSTEL (MIGRATION) 142 456.1875 466.1875 ADDITIONAL TRANSTEL (MIGRATION) 143 456.2 466.2 ADDITIONAL TRANSTEL (MIGRATION) 144 456.2125 466.2125 ADDITIONAL TRANSTEL (MIGRATION) 145 456.225 466.225 ADDITIONAL TRANSTEL (MIGRATION) 146 456.2375 466.235 ADDITIONAL TRANSTEL (MIGRATION) 147 456.25 466.25 ADDITIONAL TRANSTEL (MIGRATION) 148 456.2625 466.25 ADDITIONAL TRANSTEL (MIGRATION) 149 456.275 ADDITIONAL TRANSTEL (MIGRATION) 150 456.2875 466.275 ADDITIONAL TRANSTEL (MIGRATION) 151 456.3 466.275 ADDITIONAL TRANSTEL (MIGRATION) 151 456.3 466.2875 ADDITIONAL TRANSTEL (MIGRATION) 152 456.3125 ADDITIONAL TRANSTEL (MIGRATION) 153 456.325 466.275 ADDITIONAL TRANSTEL (MIGRATION) 154 456.33 466.33 ADDITIONAL TRANSTEL (MIGRATION) 155 456.325 466.335 ADDITIONAL TRANSTEL (MIGRATION) 156 456.325 466.335 ADDITIONAL TRANSTEL (MIGRATION) 157 456.35 466.3625 ADDITIONAL TRANSTEL (MIGRATION) 158 456.352 466.3625 ADDITIONAL TRANSTEL (MIGRATION) 159 456.375 ADDITIONAL TRANSTEL (MIGRATION) 150 456.3875 466.3875 ADDITIONAL TRANSTEL (MIGRATION) 151 456.35 466.35 ADDITIONAL TRANSTEL (MIGRATION) 152 456.35 466.35 ADDITIONAL TRANSTEL (MIGRATION) 154 456.35 466.35 ADDITIONAL TRANSTEL (MIGRATION) 155 456.35 466.35 ADDITIONAL TRANSTEL (MIGRATION) 156 456.3625 ADDITIONAL TRANSTEL (MIGRATION) 157 456.375 ADDITIONAL TRANSTEL (MIGRATION) 158 456.3575 ADDITIONAL TRANSTEL (MIGRATION) 158 456.357 ADDITIONAL TRANSTEL (MIGRATION) 157 456.375 ADDITIONAL TRANSTEL (MIGRATION) 158 456.357 ADDITIONAL TRANSTEL (MIGRATION) 159 456.375 ADDITIONAL TRANSTEL (MIGRATION) 150 456.3875 ADDITIONAL TRANSTEL (MIGRATION) 151 456.375 ADDITIONAL TRANSTEL (MIGRATION) 152 456.375 ADDITIONAL TRANSTEL (MIGRATION) 153 456.375 ADDITIONAL TRANSTEL (MIGRATION) 156 456.3875 ADDITIONAL TRANSTEL (MIGRATION)					
CH-PLAN FOR 454.425_460/464.425_470MHz 2004 (12 CH. No. BTX MTX REMARKS 139 456.15 466.15 ADDITIONAL TRANSTEL (MIGRATION) 140 456.1625 466.1625 ADDITIONAL TRANSTEL (MIGRATION) 141 456.175 466.175 ADDITIONAL TRANSTEL (MIGRATION) 142 456.1875 466.1875 ADDITIONAL TRANSTEL (MIGRATION) 143 456.2 466.22 ADDITIONAL TRANSTEL (MIGRATION) 144 456.212 466.2125 ADDITIONAL TRANSTEL (MIGRATION) 145 456.225 466.225 ADDITIONAL TRANSTEL (MIGRATION) 146 456.2375 466.2375 ADDITIONAL TRANSTEL (MIGRATION) 147 456.25 466.25 ADDITIONAL TRANSTEL (MIGRATION) 148 456.255 466.25 ADDITIONAL TRANSTEL (MIGRATION) 149 456.275 ADDITIONAL TRANSTEL (MIGRATION) 149 456.275 466.275 ADDITIONAL TRANSTEL (MIGRATION) 150 456.3875 466.275 ADDITIONAL TRANSTEL (MIGRATION) 151 456.3125)	ADDITIONAL TRANSTEL (MIGRATION)	466.1375	456.1375	138
CH-PLAN FOR 454.425_460/464.425_470MHz 2004 (12 CH. No. BTX MTX REMARKS 139 456.15 466.15 ADDITIONAL TRANSTEL (MIGRATION) 140 456.1625 466.1625 ADDITIONAL TRANSTEL (MIGRATION) 141 456.175 466.175 ADDITIONAL TRANSTEL (MIGRATION) 142 456.1875 466.1875 ADDITIONAL TRANSTEL (MIGRATION) 143 456.2 466.22 ADDITIONAL TRANSTEL (MIGRATION) 144 456.2125 466.2125 ADDITIONAL TRANSTEL (MIGRATION) 145 456.225 466.215 ADDITIONAL TRANSTEL (MIGRATION) 146 456.2376 466.2375 ADDITIONAL TRANSTEL (MIGRATION) 147 456.25 466.25 ADDITIONAL TRANSTEL (MIGRATION) 148 456.255 466.255 ADDITIONAL TRANSTEL (MIGRATION) 149 456.25 466.25 ADDITIONAL TRANSTEL (MIGRATION) 149 456.275 466.275 ADDITIONAL TRANSTEL (MIGRATION) 150 456.2875 466.275 ADDITIONAL TRANSTEL (MIGRATION) 151		REMARKS	MTX	BTX	CH. No.
CH. No. BTX MTX REMARKS 139 456.15 466.15 ADDITIONAL TRANSTEL (MIGRATION) 140 456.1625 466.1625 ADDITIONAL TRANSTEL (MIGRATION) 141 456.175 466.175 ADDITIONAL TRANSTEL (MIGRATION) 142 456.1875 466.1875 ADDITIONAL TRANSTEL (MIGRATION) 143 456.2 466.2 ADDITIONAL TRANSTEL (MIGRATION) 144 456.2125 466.2125 ADDITIONAL TRANSTEL (MIGRATION) 145 456.225 466.225 ADDITIONAL TRANSTEL (MIGRATION) 146 456.2375 466.237 ADDITIONAL TRANSTEL (MIGRATION) 147 456.25 466.25 ADDITIONAL TRANSTEL (MIGRATION) 148 456.2625 466.25 ADDITIONAL TRANSTEL (MIGRATION) 149 456.275 466.275 ADDITIONAL TRANSTEL (MIGRATION) 150 456.2875 466.2875 ADDITIONAL TRANSTEL (MIGRATION) 151 456.3125 466.3125 ADDITIONAL TRANSTEL (MIGRATION) 151 456.3125 466.3125 ADDITIONAL TRANSTEL (MIGRATIO	2.5 kHz)	-			
140	,				
141					
142 456.1875 466.1875 ADDITIONAL TRANSTEL (MIGRATION) 143 456.2 466.2 ADDITIONAL TRANSTEL (MIGRATION) 144 456.2125 466.2125 ADDITIONAL TRANSTEL (MIGRATION) 145 456.225 466.225 ADDITIONAL TRANSTEL (MIGRATION) 146 456.2375 466.2375 ADDITIONAL TRANSTEL (MIGRATION) 147 456.25 466.26 ADDITIONAL TRANSTEL (MIGRATION) 148 456.2625 466.2625 ADDITIONAL TRANSTEL (MIGRATION) 150 456.275 466.275 ADDITIONAL TRANSTEL (MIGRATION) 151 456.327 466.332 ADDITIONAL TRANSTEL (MIGRATION) 151 456.3125 466.312 ADDITIONAL TRANSTEL (MIGRATION) 152 456.3125 466.312 ADDITIONAL TRANSTEL (MIGRATION) 153 456.325 466.325 ADDITIONAL TRANSTEL (MIGRATION) 154 456.3375 466.3375 ADDITIONAL TRANSTEL (MIGRATION) 155 456.3635 466.3375 ADDITIONAL TRANSTEL (MIGRATION) 156 456.3625 466.3625					
144					
145 456.225 466.225 ADDITIONAL TRANSTEL (MIGRATION) 146 456.2375 466.2375 ADDITIONAL TRANSTEL (MIGRATION) 147 456.25 466.25 ADDITIONAL TRANSTEL (MIGRATION) 148 456.2625 466.265 ADDITIONAL TRANSTEL (MIGRATION) 150 456.275 466.275 ADDITIONAL TRANSTEL (MIGRATION) 151 456.3 466.33 ADDITIONAL TRANSTEL (MIGRATION) 152 456.3125 466.3125 ADDITIONAL TRANSTEL (MIGRATION) 153 456.325 466.325 ADDITIONAL TRANSTEL (MIGRATION) 154 456.3375 466.3375 ADDITIONAL TRANSTEL (MIGRATION) 155 456.35 466.325 ADDITIONAL TRANSTEL (MIGRATION) 155 456.35 466.36 ADDITIONAL TRANSTEL (MIGRATION) 156 456.3625 466.362 ADDITIONAL TRANSTEL (MIGRATION) 157 456.375 466.375 ADDITIONAL TRANSTEL (MIGRATION) 158 456.3875 466.3875 ADDITIONAL TRANSTEL (MIGRATION) 158 456.3875 466.3875 AD					
146					
147 456.25 466.25 ADDITIONAL TRANSTEL (MIGRATION) 148 456.2625 466.2625 ADDITIONAL TRANSTEL (MIGRATION) 149 456.275 466.275 ADDITIONAL TRANSTEL (MIGRATION) 150 456.2875 466.2875 ADDITIONAL TRANSTEL (MIGRATION) 151 456.3 ADDITIONAL TRANSTEL (MIGRATION) 152 456.3125 466.3125 ADDITIONAL TRANSTEL (MIGRATION) 153 456.325 466.325 ADDITIONAL TRANSTEL (MIGRATION) 154 456.3375 466.3375 ADDITIONAL TRANSTEL (MIGRATION) 155 456.35 466.35 ADDITIONAL TRANSTEL (MIGRATION) 156 456.3625 466.3625 ADDITIONAL TRANSTEL (MIGRATION) 157 456.375 466.375 ADDITIONAL TRANSTEL (MIGRATION) 157 456.375 466.375 ADDITIONAL TRANSTEL (MIGRATION) 158 456.3875 466.3875 ADDITIONAL TRANSTEL (MIGRATION)					
149			466.25	456.25	
150					
151 456.3 466.3 ADDITIONAL TRANSTEL (MIGRATION) 152 456.3125 466.3125 ADDITIONAL TRANSTEL (MIGRATION) 153 456.325 466.325 ADDITIONAL TRANSTEL (MIGRATION) 154 456.3375 466.3375 ADDITIONAL TRANSTEL (MIGRATION) 155 456.35 466.35 ADDITIONAL TRANSTEL (MIGRATION) 156 456.3625 466.3625 ADDITIONAL TRANSTEL (MIGRATION) 157 456.375 466.375 ADDITIONAL TRANSTEL (MIGRATION) 158 456.3875 466.3875 ADDITIONAL TRANSTEL (MIGRATION)					
153 456.325 466.325 ADDITIONAL TRANSTEL (MIGRATION) 154 456.3375 466.3375 ADDITIONAL TRANSTEL (MIGRATION) 155 456.35 466.35 ADDITIONAL TRANSTEL (MIGRATION) 156 456.3625 466.3625 ADDITIONAL TRANSTEL (MIGRATION) 157 456.375 466.375 ADDITIONAL TRANSTEL (MIGRATION) 158 456.3875 466.3875 ADDITIONAL TRANSTEL (MIGRATION))	ADDITIONAL TRANSTEL (MIGRATION)	466.3	456.3	151
154 456.3375 466.3375 ADDITIONAL TRANSTEL (MIGRATION) 155 456.35 466.35 ADDITIONAL TRANSTEL (MIGRATION) 156 456.3625 466.3625 ADDITIONAL TRANSTEL (MIGRATION) 157 456.375 466.375 ADDITIONAL TRANSTEL (MIGRATION) 158 456.3875 466.3875 ADDITIONAL TRANSTEL (MIGRATION))	ADDITIONAL TRANSTEL (MIGRATION)	466.3125	456.3125	152
155 456.35 466.35 ADDITIONAL TRANSTEL (MIGRATION) 156 456.3625 466.3625 ADDITIONAL TRANSTEL (MIGRATION) 157 456.375 466.375 ADDITIONAL TRANSTEL (MIGRATION) 158 456.3875 466.3875 ADDITIONAL TRANSTEL (MIGRATION)					
156 456.3625 466.3625 ADDITIONAL TRANSTEL (MIGRATION) 157 456.375 466.375 ADDITIONAL TRANSTEL (MIGRATION) 158 456.3875 466.3875 ADDITIONAL TRANSTEL (MIGRATION)	/	ABBITION A THURSDAY	100.0010	100.0010	101
158 456.3875 466.3875 ADDITIONAL TRANSTEL (MIGRATION))	ADDITIONAL TRANSTEL (MIGRATION)			156
159 456.4 466.4 ADDITIONAL TRANSTEL (MIGRATION)	,)	ADDITIONAL TRANSTEL (MIGRATION) ADDITIONAL TRANSTEL (MIGRATION)			
160 456.4125 466.4125 ADDITIONAL TRANSTEL (MIGRATION))	ADDITIONAL TRANSTEL (MIGRATION)	466.4125	456.4125	160
161 456.425 466.425 ADDITIONAL TRANSTEL (MIGRATION)					
162 456.4375 466.4375 ADDITIONAL TRANSTEL (MIGRATION) 163 456.45 466.45 ADDITIONAL TRANSTEL (MIGRATION)					
163 436.45 466.4625 ADDITIONAL TRANSTEL (MIGRATION) 164 456.4625 466.4625 ADDITIONAL TRANSTEL (MIGRATION)					
165 456.475 466.475 ADDITIONAL TRANSTEL (MIGRATION))	ADDITIONAL TRANSTEL (MIGRATION)	466.475	456.475	165
166 456.4875 466.4875 ADDITIONAL TRANSTEL (MIGRATION) 167 456.5 466.5 ADDITIONAL TRANSTEL (MIGRATION)					
167 456.5 466.5 ADDITIONAL TRANSTEL (MIGRATION) 168 456.5125 466.5125 ADDITIONAL TRANSTEL (MIGRATION)					
169 456.525 466.525 ADDITIONAL TRANSTEL (MIGRATION))	ADDITIONAL TRANSTEL (MIGRATION)	466.525	456.525	169
170 456.5375 466.5375 ADDITIONAL TRANSTEL (MIGRATION)					
171 456.55 466.55 ADDITIONAL TRANSTEL (MIGRATION) 172 456.5625 466.5625 ADDITIONAL TRANSTEL (MIGRATION)					
173 456.575 466.575 ADDITIONAL TRANSTEL (MIGRATION))	ADDITIONAL TRANSTEL (MIGRATION)	466.575		173
174 456.5875 466.5875 ADDITIONAL TRANSTEL (MIGRATION)					
175 456.6 466.6 ADDITIONAL TRANSTEL (MIGRATION) 176 456.6125 466.6125 ADDITIONAL TRANSTEL (MIGRATION)					
176 456.6125 466.6125 ADDITIONAL TRANSTEL (MIGRATION) 177 456.625 466.625 ADDITIONAL TRANSTEL (MIGRATION)					
178 456.6375 466.6375 ADDITIONAL TRANSTEL (MIGRATION)		ADDITIONAL TRANSTEL (MIGRATION)	466.6375	456.6375	178
179 456.65 466.65 ADDITIONAL TRANSTEL (MIGRATION)					
180 456.6625 466.6625 TRUNKED MOBILE		TRUNKED MOBILE TRUNKED MOBILE	466.6625 466.675	456.6625 456.675	180 181
TOT I MOUNTS I 400.075 I INCUMENTED MOUNTED					
182 456.6875 466.6875 TRUNKED MOBILE			466.6875	456.6875	182
		TRUNKED MOBILE	466.7	456.7	183

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CH-PLA	N FOR 454	.425_460/4 MTX	64.425_470MHz 2004 (12.5 kHz)
186	456.7375	466.7375	TRUNKED MOBILE
187	456.75	466.75	TRUNKED MOBILE
188	456.7625	466.7625	TRUNKED MOBILE
189	456.775	466.775	TRUNKED MOBILE
190 191	456.7875 456.8	466.7875 466.8	TRUNKED MOBILE TRUNKED MOBILE
192	456.8125	466.8125	TRUNKED MOBILE
193	456.825	466.825	TRUNKED MOBILE
194	456.8375	466.8375	TRUNKED MOBILE
195	456.85	466.85	TRUNKED MOBILE
196	456.8625	466.8625	TRUNKED MOBILE
197 198	456.875 456.8875	466.875	TRUNKED MOBILE TRUNKED MOBILE
199	456.9	466.8875 466.9	TRUNKED MOBILE
200	456.9125	466.9125	TRUNKED MOBILE
201	456.925	466.925	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
202	456.9375	466.9375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
203	456.95	466.95	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
204	456.9625	466.9625	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
205 206	456.975 456.9875	466.975 466.9875	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
207	457	467	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
208	457.0125	467.0125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
209	457.025	467.025	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
210	457.0375	467.0375	VAROUS ASSIGNMENTS & TRUNKED MOBILE
211	457.05	467.05	VAROUS ASSIGNMENTS & TRUNKED MOBILE
212 213	457.0625 457.075	467.0625 467.075	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
214	457.075	467.075	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
215	457.1	467.1	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
216	457.1125	467.1125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
217	457.125	467.125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
218	457.1375	467.1375	VAROUS ASSIGNMENTS & TRUNKED MOBILE
219 220	457.15 457.1625	467.15 467.1625	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
221	457.1625	467.175	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
222	457.1875	467.1875	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
223	457.2	467.2	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
224	457.2125	467.2125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
225	457.225	467.225	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
226	457.2375	467.2375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
227 228	457.25 457.2625	467.25 467.2625	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
229	457.275	467.275	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
230	457.2875	467.2875	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
231	457.3	467.3	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
232	457.3125	467.3125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No.	BTX	MTX	REMARKS
		•	•
			64.425_470MHz 2004 (12.5 kHz)
CH. No.	BTX	MTX	REMARKS
CH. No. 233	BTX 457.325	MTX 467.325	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No.	BTX	MTX 467.325 467.3375	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234	BTX 457.325 457.3375	MTX 467.325	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237	BTX 457.325 457.3375 457.35 457.3625 457.375	MTX 467.325 467.3375 467.35 467.3625 467.375	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238	BTX 457.325 457.3375 457.35 457.3625 457.375 457.3875	MTX 467.325 467.3375 467.35 467.3625 467.375 467.3875	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238 239	BTX 457.325 457.3375 457.35 457.3625 457.375 457.3875 457.3875	MTX 467.325 467.3375 467.35 467.3625 467.375 467.3875 467.4	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238 239 240	BTX 457.325 457.3375 457.3625 457.3625 457.375 457.375 457.375 457.4	MTX 467.325 467.3375 467.35 467.3625 467.375 467.3875 467.4 467.4125	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238 239	BTX 457.325 457.3375 457.3625 457.3625 457.375 457.3875 457.474 457.4125 457.425	MTX 467.325 467.3375 467.355 467.3625 467.375 467.3875 467.425	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238 239 240 241 242 243	BTX 457.325 457.3375 457.3625 457.3625 457.375 457.375 457.4725 457.4125 457.425 457.4375 457.45	MTX 467.325 467.325 467.3375 467.352 467.375 467.375 467.475 467.4125 467.425 467.4375 467.45	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238 239 240 241 242 243	BTX 457.325 457.3375 457.3625 457.3625 457.375 457.3875 457.4125 457.4125 457.425 457.425 457.425 457.457 457.45	MTX 467.325 467.3375 467.355 467.3625 467.3625 467.3875 467.4125 467.4125 467.425 467.425 467.425	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238 239 240 241 242 243 244	BTX 457.325 457.3375 457.3625 457.3625 457.375 457.367 457.375 457.4125 457.4125 457.427 457.457 457.457 457.4625 457.475	MTX 467.325 467.325 467.3375 467.35 467.3625 467.375 467.4125 467.4125 467.425 467.425 467.426 467.45 467.45 467.45	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238 239 240 241 242 243 244 245 246	BTX 457.325 457.3375 457.3625 457.3625 457.375 457.3875 457.4125 457.4125 457.425 457.4375 457.457 457.457 457.457 457.457	MTX 467.325 467.325 467.3375 467.355 467.3625 467.375 467.3875 467.4125 467.4125 467.425 467.425 467.45 467.45	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238 239 240 241 242 243 244	BTX 457.325 457.3375 457.3375 457.3625 457.3625 457.375 457.425 457.4125 457.425 457.4375 457.425 457.457 457.4525 457.4625 457.475 457.475	MTX 467.325 467.3375 467.3375 467.3625 467.3625 467.3625 467.475 467.4125 467.425 467.4375 467.45 467.45 467.45 467.45 467.475 467.485	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238 239 240 241 242 243 244 245 247	BTX 457.325 457.3375 457.3625 457.3625 457.375 457.3875 457.4125 457.4125 457.425 457.4375 457.457 457.457 457.457 457.457	MTX 467.325 467.325 467.3375 467.355 467.3625 467.375 467.3875 467.4125 467.4125 467.425 467.425 467.45 467.45	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249	BTX 457.325 457.3375 457.3375 457.3625 457.3625 457.375 457.3875 457.425 457.425 457.4375 457.4375 457.4525 457.4525 457.4525 457.4525 457.4525 457.4525 457.5375	MTX 467.325 467.3375 467.357 467.357 467.357 467.357 467.375 467.4125 467.4125 467.425 467.47 467.4825 467.47 467.4825 467.47 467.4825 467.4825 467.4825 467.4825 467.4825 467.5375	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238 240 241 242 243 244 245 246 247 248 249 250 251	BTX 457.325 457.3375 457.3375 457.3625 457.375 457.3875 457.3875 457.4125 457.425 457.425 457.425 457.45 457.45 457.45 457.525 457.5125 457.525 457.5375 457.555	MTX 467.325 467.3375 467.355 467.3625 467.375 467.375 467.3875 467.4125 467.425 467.425 467.425 467.45625 467.45625 467.525 467.5125 467.5125 467.525 467.525	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238 240 241 242 243 244 245 245 246 247 248 249 250 251	BTX 457.325 457.3375 457.3375 457.3625 457.3625 457.3625 457.425 457.425 457.425 457.425 457.4625 457.475 457.5625 457.525 457.525 457.525 457.525	MTX 467.325 467.3375 467.3375 467.3825 467.3625 467.3625 467.4725 467.425 467.425 467.457 467.45 467.455 467.455 467.455 467.5625	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251	BTX 457.325 457.3375 457.3375 457.3625 457.375 457.375 457.375 457.4125 457.425 457.4375 457.4625 457.475 457.4525 457.575 457.525 457.525 457.525 457.525 457.525 457.525	MTX 467.325 467.325 467.3375 467.35 467.3625 467.375 467.375 467.4125 467.425 467.425 467.425 467.45 467.45 467.45 467.575 467.575	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238 240 241 242 243 244 245 246 247 248 249 250 251 252 253	BTX 457.325 457.3375 457.3375 457.352 457.375 457.3875 457.4125 457.4125 457.425 457.426 457.457 457.457 457.457 457.457 457.557 457.525 457.525 457.525 457.525 457.525 457.555	MTX 467.325 467.3375 467.3525 467.3525 467.375 467.375 467.3875 467.425 467.425 467.425 467.425 467.455 467.455 467.555 467.575 467.555 467.555 467.555	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251	BTX 457.325 457.3375 457.3375 457.3625 457.375 457.375 457.375 457.4125 457.425 457.4375 457.4625 457.475 457.4525 457.575 457.525 457.525 457.525 457.525 457.525 457.525	MTX 467.325 467.325 467.3375 467.35 467.3625 467.375 467.375 467.4125 467.425 467.425 467.425 467.45 467.45 467.45 467.575 467.575	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238 240 241 242 243 245 245 245 250 251 252 253 254 255 266	BTX 457.325 457.3375 457.3375 457.3825 457.3825 457.3825 457.425 457.425 457.425 457.425 457.425 457.4525 457.4525 457.525	MTX 467.325 467.3375 467.3375 467.3875 467.3825 467.3875 467.487 467.4125 467.425 467.457 467.45 467.455 467.455 467.525 467.525 467.575 467.555 467.575 467.575 467.625 467.625	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258	BTX 457.325 457.3375 457.3375 457.3625 457.375 457.375 457.375 457.4125 457.425 457.4375 457.45 457.45 457.45 457.45 457.525 457.5375 457.525 457.5375 457.5375 457.5625 457.5825 457.5825 457.5825 457.5825 457.5825 457.5825 457.5825 457.5825 457.5825 457.5825 457.5825 457.5825 457.5825 457.5825 457.5825 457.5825 457.5825 457.5825 457.5825 457.6825 457.6825 457.6825	MTX 467.325 467.3375 467.355 467.355 467.3625 467.375 467.375 467.4125 467.4125 467.425 467.475 467.485 467.485 467.485 467.485 467.585 467.585 467.585 467.5875 467.5825 467.5875 467.5825 467.5875 467.6825 467.6875	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258	BTX 457.325 457.3375 457.3375 457.3625 457.3625 457.375 457.3875 457.425 457.425 457.425 457.45 457.45 457.45 457.45 457.525 457.525 457.525 457.525 457.525 457.5875 457.5875 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625	MTX 467.325 467.325 467.3375 467.3625 467.375 467.375 467.375 467.425 467.425 467.425 467.425 467.45 467.45 467.45 467.5125 467.525	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238 240 241 242 243 244 245 245 246 247 248 249 250 251 252 253 254 255 256 256 257 258 259 260	BTX 457.325 457.3375 457.3375 457.3825 457.3825 457.3825 457.375 457.4 457.4125 457.425 457.4375 457.45 457.45 457.45 457.45 457.45 457.5125 457.5125 457.5125 457.5125 457.5125 457.5125 457.5125 457.5125 457.5125 457.5125 457.5125 457.5125 457.5125 457.525 457.525 457.525 457.525 457.525 457.525 457.525 457.625 457.625 457.625 457.625 457.625	MTX 467.325 467.3375 467.3375 467.3625 467.3625 467.3675 467.45 467.4125 467.425 467.4375 467.45 467.45 467.45 467.45 467.45 467.45 467.5125 467.5375 467.5875 467.5875 467.5875 467.5875 467.6825 467.6125 467.6375 467.6375	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258	BTX 457.325 457.3375 457.3375 457.3625 457.3625 457.375 457.3875 457.425 457.425 457.425 457.45 457.45 457.45 457.45 457.525 457.525 457.525 457.525 457.525 457.5875 457.5875 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625	MTX 467.325 467.325 467.3375 467.3625 467.375 467.375 467.375 467.425 467.425 467.425 467.425 467.45 467.45 467.45 467.5125 467.525	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238 240 241 242 243 244 245 248 249 250 251 252 253 254 255 256 257 258 259 260 261	BTX 457.325 457.3375 457.3375 457.3375 457.3525 457.375 457.375 457.425 457.425 457.425 457.425 457.4525 457.4525 457.575 457.525 457.625 457.625 457.625 457.625 457.625 457.625	MTX 467.325 467.325 467.3375 467.355 467.3625 467.375 467.375 467.425 467.425 467.425 467.425 467.45 467.45 467.45 467.575 467.525 467.625 467.6375 467.625	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 236 237 238 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264	BTX 457.325 457.3375 457.3375 457.3375 457.3625 457.375 457.375 457.425 457.425 457.425 457.425 457.457 457.457 457.525 457.525 457.525 457.526 457.526 457.526 457.526 457.526 457.526 457.526 457.527 457.526 457.526 457.526 457.526 457.526 457.526 457.526 457.526 457.526 457.526 457.625 457.625 457.626 457.626 457.626 457.626 457.626 457.627 457.627	MTX 467.325 467.325 467.3375 467.3625 467.375 467.375 467.375 467.425 467.425 467.425 467.425 467.45 467.45 467.45 467.45 467.475 467.525 467.525 467.525 467.525 467.525 467.625 467.625 467.6375 467.625 467.6575 467.6875	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No. 233 234 235 237 238 239 240 241 242 243 244 245 245 245 255 256 251 252 253 254 255 256 256 257 258 260 261 262 263 264 265	BTX 457.325 457.3375 457.3375 457.3825 457.3825 457.3825 457.375 457.425 457.425 457.425 457.457 457.4525 457.4525 457.4525 457.5125 457.5125 457.5125 457.5125 457.5125 457.625	MTX 467.325 467.3375 467.3375 467.3375 467.3625 467.3625 467.375 467.425 467.425 467.425 467.4525 467.4525 467.4525 467.4525 467.5125 467.5125 467.525 467.575 467.5625 467.6625 467.6625 467.6625 467.6625 467.6625 467.675	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & T
CH. No. 233 234 235 236 237 238 240 241 242 243 244 245 248 249 250 251 251 252 253 254 255 266 267 258 269 261 262 263 264 264 265 266	BTX 457.325 457.3375 457.3375 457.3375 457.3525 457.375 457.375 457.425 457.425 457.4375 457.45 457.45 457.45 457.525 457.525 457.525 457.525 457.525 457.625	MTX 467.325 467.3375 467.357 467.357 467.357 467.357 467.375 467.425 467.425 467.425 467.475 467.45 467.45 467.45 467.475 467.48 467.48 467.48 467.48 467.625 467.5375 467.525 467.5375 467.525 467.5625 467.6625 467.6625 467.6625 467.675 467.675	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & T
CH. No. 233 234 235 236 237 238 240 241 242 243 245 247 248 245 247 248 250 251 252 253 254 255 266 267	BTX 457.325 457.3375 457.3375 457.3625 457.3625 457.3625 457.425 457.425 457.425 457.4375 457.45 457.45 457.45 457.5125 457.525 457.525 457.525 457.625	MTX 467.325 467.3375 467.3375 467.3825 467.3825 467.3825 467.375 467.425 467.425 467.425 467.4375 467.4525 467.4525 467.4525 467.4525 467.4525 467.525 467.525 467.525 467.525 467.525 467.625 467.735 467.7125 467.735	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & T
CH. No. 233 234 235 236 237 238 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 266 267 268	BTX 457.325 457.3375 457.3375 457.3825 457.3825 457.375 457.47 457.4125 457.425 457.4375 457.4525 457.4525 457.4525 457.4525 457.5125 457.525 457.525 457.525 457.625	MTX 467.325 467.3375 467.3375 467.3625 467.3625 467.3675 467.4725 467.4125 467.425 467.4725 467.4825 467.4825 467.4825 467.4825 467.4825 467.5825 467.5825 467.5825 467.5825 467.5825 467.5825 467.5825 467.6825 467.6825 467.6825 467.6825 467.6825 467.6825 467.6825 467.6825 467.6825 467.6825 467.6825 467.6825 467.6825 467.6825 467.7825 467.7825 467.7825 467.7825	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & T
CH. No. 233 234 235 236 237 238 239 240 241 242 243 245 247 248 245 247 248 249 250 251 252 253 254 255 266 267	BTX 457.325 457.3375 457.3375 457.3625 457.3625 457.3625 457.425 457.425 457.425 457.4375 457.45 457.45 457.45 457.5125 457.525 457.525 457.525 457.625	MTX 467.325 467.3375 467.3375 467.3825 467.3825 467.3825 467.375 467.425 467.425 467.425 467.4375 467.4525 467.4525 467.4525 467.4525 467.4525 467.525 467.525 467.525 467.525 467.525 467.625 467.735 467.7125 467.735	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & T
CH. No. 233 234 235 236 237 238 239 240 241 242 243 244 245 245 246 247 248 249 250 251 252 253 254 256 267 258 269 260 261 262 263 264 265 266 267 268 269 270	BTX 457.325 457.3375 457.3375 457.3375 457.3825 457.3825 457.375 457.425 457.425 457.425 457.475 457.4825 457.4825 457.4825 457.5375 457.525 457.5375 457.5375 457.625 457.625 457.625 457.6375 457.625 457.6375 457.6375 457.6375 457.6375 457.6375 457.6375 457.7375	MTX 467.325 467.3375 467.357 467.357 467.357 467.357 467.375 467.425 467.425 467.475 467.475 467.485 467.487 467.485 467.5825 467.6825 467.6825 467.6825 467.6825 467.7825 467.7825 467.7725 467.7825 467.7825 467.7825 467.7825 467.7825 467.7825 467.7825	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & T
CH. No. 233 234 235 236 237 238 240 241 242 243 245 247 248 245 250 251 252 253 254 255 266 267 268 269 270 271	BTX 457.325 457.3375 457.3375 457.3825 457.3825 457.3825 457.3825 457.425 457.425 457.425 457.425 457.4525 457.4525 457.5125 457.5125 457.526 457.5375 457.5625 457.725 457.725 457.725 457.725 457.725 457.726	MTX 467.325 467.3375 467.3375 467.3825 467.375 467.3825 467.375 467.425 467.425 467.425 467.4375 467.4525 467.4525 467.4525 467.4525 467.4525 467.4525 467.5525 467.5525 467.575 467.625 467.625 467.625 467.625 467.625 467.625 467.625 467.625 467.625 467.625 467.625 467.625 467.625 467.625 467.625 467.625 467.625 467.625 467.625 467.7375 467.7125 467.7375 467.755	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & T
CH. No. 233 234 235 236 237 238 239 240 241 242 243 244 245 245 246 247 248 249 250 251 252 253 254 255 266 261 262 263 264 265 266 266 266 266 266 266 266 266 266	BTX 457.325 457.3375 457.3375 457.3375 457.3825 457.375 457.3825 457.425 457.425 457.425 457.425 457.4525 457.4525 457.575 457.525 457.525 457.525 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.625 457.725	MTX 467.325 467.3375 467.3375 467.3375 467.3625 467.3625 467.375 467.45 467.4125 467.425 467.475 467.485 467.485 467.485 467.485 467.485 467.5875 467.5875 467.5875 467.5875 467.6875 467.675 467.67625 467.6776 467.775 467.775 467.775 467.775	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & T
CH. No. 233 234 235 236 237 238 239 240 241 242 243 244 245 245 246 247 248 249 250 251 251 252 253 254 255 266 257 258 269 261 262 263 264 265 266 267 268 269 270 271 272 273	BTX 457.325 457.3375 457.3375 457.3375 457.3525 457.375 457.375 457.425 457.425 457.4375 457.45 457.45 457.45 457.525 457.525 457.525 457.525 457.625 457.725 457.725 457.725 457.7375 457.7375 457.7375 457.7375 457.7375 457.7375 457.7375 457.7375 457.7375 457.7375 457.7375 457.7375 457.7375 457.735 457.735	MTX 467.325 467.325 467.3375 467.355 467.355 467.375 467.375 467.425 467.425 467.425 467.475 467.485 467.487 467.487 467.487 467.487 467.5825 467.5375 467.5825 467.587 467.5825 467.587 467.6825 467.6825 467.6825 467.775 467.785	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & T
CH. No. 233 234 235 237 238 239 240 241 242 243 245 245 245 255 256 257 258 259 260 261 262 263 263 264 265 266 266 267 268 269 270 271 272 273 274	BTX 457.325 457.3375 457.3375 457.3825 457.3825 457.3825 457.3825 457.425 457.425 457.425 457.425 457.425 457.457 457.5125 457.5125 457.526 457.575 457.526 457.625 457.725 457.725 457.725 457.725 457.725 457.725 457.725 457.725 457.725 457.725 457.725 457.725 457.725 457.725	MTX 467.325 467.3375 467.3375 467.3825 467.3625 467.3625 467.375 467.425 467.425 467.425 467.45 467.45 467.45 467.45 467.45 467.45 467.45 467.5125 467.525 467.575 467.5625 467.625 467.676 467.625 467.676 467.675 467.675 467.725 467.825 467.825 467.825	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & T
CH. No. 233 234 235 236 237 238 239 240 241 242 243 244 245 245 246 247 248 249 250 251 251 252 253 254 255 266 257 258 269 261 262 263 264 265 266 267 268 269 270 271 272 273	BTX 457.325 457.3375 457.3375 457.3375 457.3525 457.375 457.375 457.425 457.425 457.4375 457.45 457.45 457.45 457.525 457.525 457.525 457.525 457.625 457.725 457.725 457.725 457.7375 457.7375 457.7375 457.7375 457.7375 457.7375 457.7375 457.7375 457.7375 457.7375 457.7375 457.7375 457.7375 457.735 457.735	MTX 467.325 467.325 467.3375 467.355 467.355 467.375 467.375 467.425 467.425 467.425 467.475 467.485 467.487 467.487 467.487 467.487 467.5825 467.5375 467.5825 467.587 467.5825 467.587 467.6825 467.6825 467.6825 467.775 467.785	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & T
CH. No. 233 234 235 236 237 238 240 241 242 243 244 245 246 247 248 249 250 251 252 253 264 266 267 268 269 269 269 271 272 273 274 275 276	BTX 457.325 457.3375 457.3375 457.3825 457.3875 457.3875 457.425 457.425 457.4375 457.4375 457.45 457.45 457.45 457.45 457.525 457.5375 457.525 457.5375 457.625 457.625 457.625 457.625 457.7375 457.7125	MTX 467.325 467.3375 467.3375 467.3525 467.355 467.3625 467.375 467.425 467.425 467.4725 467.4725 467.487 467.487 467.487 467.4825 467.5825 467.5825 467.5825 467.5825 467.5825 467.5825 467.5825 467.5825 467.5825 467.5825 467.5825 467.5825 467.5825 467.5825 467.5825 467.5825 467.5825 467.5825 467.6825 467.6825 467.6825 467.6825 467.6825 467.7825 467.8825 467.8825 467.8825 467.8825	REMARKS VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & T

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TCH-PLA	NI EOD 454	405 400/4	04.405.4701411.0004.440.5111.
CH. No.	N FOR 454	.425_460/4 MTX	64.425_470MHz 2004 (12.5 kHz) REMARKS
280	457.9125	467.9125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
281 282	457.925 457.9375	467.925 467.9375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
283	457.95	467.95	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
284	457.9625	467.9625	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
285 286	457.975 457.9875	467.975 467.9875	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
287	458	468	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
288 289	458.0125 458.025	468.0125 468.025	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
290	458.0375	468.0375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
291 292	458.05	468.05	VAROUS ASSIGNMENTS & TRUNKED MOBILE
293	458.0625 458.075	468.0625 468.075	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
294	458.0875	468.0875	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
295 296	458.1 458.1125	468.1 468.1125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
297	458.125	468.125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
298 299	458.1375 458.15	468.1375 468.15	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
300	458.1625	468.1625	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
301	458.175	468.175	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
302 303	458.1875 458.2	468.1875 468.2	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
304	458.2125	468.2125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
305	458.225	468.225	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
306 307	458.2375 458.25	468.2375 468.25	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
308	458.2625	468.2625	VAROUS ASSIGNMENTS & TRUNKED MOBILE
309 310	458.275 458.2875	468.275 468.2875	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
311	458.3	468.3	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
312 313	458.3125 458.325	468.3125 468.325	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
314	458.3375	468.3375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
315	458.35 458.3625	468.35	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
316 317	458.3625	468.3625 468.375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
318	458.3875	468.3875	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
319 320	458.4 458.4125	468.4 468.4125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
321	458.425	468.425	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
322 323	458.4375 458.45	468.4375 468.45	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
324	458.4625	468.4625	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
325	458.475	468.475	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No.	BTX	MTX	REMARKS
CH-PL/	N FOR 454	.425 460/4	64.425 470MHz 2004 (12.5 kHz)
CH. No.	BTX	MTX	REMARKS
326 327	458.4875 458.5	468.4875 468.5	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
328	458.5125	468.5125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
329 330	458.525 458.5375	468.525 468.5375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
331	458.55	468.55	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
332	458.5625	468.5625	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
333 334	458.575 458.5875	468.575 468.5875	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
335	458.6	468.6	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
336 337	458.6125 458.625	468.6125 468.625	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
338	458.6375	468.6375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
339	458.65 458.6625	468.65	VAROUS ASSIGNMENTS & TRUNKED MOBILE
340 341	458.675	468.6625	
342		468.675	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
343 344	458.6875	468.6875	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
344	458.6875 458.7 458.7125		VAROIUS ASSIGNMENTS & TRUNKED MOBILE
345	458.7 458.7125 458.725	468.6875 468.7 468.7125 468.725	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
345 346	458.7 458.7125 458.725 458.7375	468.6875 468.7 468.7125 468.725 468.7375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
345 346 347 348	458.7 458.7125 458.725 458.7375 458.75 458.7625	468.6875 468.7 468.7125 468.725 468.7375 468.75 468.7625	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
345 346 347 348 349	458.7 458.7125 458.725 458.7375 458.75 458.7625 458.775	468.6875 468.7 468.7125 468.725 468.7375 468.75 468.7625 468.775	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
345 346 347 348	458.7 458.7125 458.725 458.7375 458.75 458.7625	468.6875 468.7 468.7125 468.725 468.7375 468.75 468.7625	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
345 346 347 348 349 350 351 352	458.7 458.7125 458.725 458.7375 458.7625 458.7625 458.775 458.7875 458.88 458.8125	468.6875 468.7 468.7125 468.725 468.7375 468.75 468.7625 468.7625 468.7875 468.88 468.8125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
345 346 347 348 349 350 351 352 353	458.7 458.7125 458.725 458.7375 458.75 458.7625 458.775 458.7875 458.8125 458.8125	468.6875 468.7 468.7125 468.725 468.725 468.75 468.7625 468.775 468.7875 468.8185 468.8125 468.825	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
345 346 347 348 349 350 351 352 353 354 355	458.7 458.7125 458.725 458.7375 458.75 458.7625 458.7625 458.7625 458.7875 458.8125 458.8125 458.825 458.8375 458.85	468.6875 468.7125 468.725 468.725 468.7375 468.75 468.75 468.7875 468.7875 468.8125 468.8125 468.825 468.8375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
345 346 347 348 349 350 351 352 353 354 355 356	458.7 458.7125 458.725 458.7375 458.7625 458.7625 458.7625 458.7875 458.8125 458.8125 458.825 458.825 458.825 458.825	468.6875 468.77 468.7125 468.725 468.735 468.75 468.7625 468.7875 468.875 468.8125 468.825 468.825 468.825 468.85	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
345 346 347 348 349 350 351 352 353 354 355	458.7 458.7125 458.725 458.7375 458.75 458.7625 458.7625 458.7625 458.7875 458.8125 458.8125 458.825 458.8375 458.85	468.6875 468.7125 468.725 468.725 468.7375 468.75 468.75 468.7875 468.7875 468.8125 468.8125 468.825 468.8375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
345 346 347 348 349 350 351 352 353 354 355 356 357 358 359	458.7 458.7125 458.725 458.7375 458.75 458.7625 458.7625 458.7625 458.875 458.8125 458.8125 458.825 458.8375 458.8625 458.8625 458.8625 458.875 458.875	468.6875 468.77 468.725 468.725 468.7375 468.757 468.7575 468.7575 468.8125 468.8125 468.8375 468.8375 468.8625 468.8625 468.8625 468.8625 468.875	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
345 346 347 348 349 350 351 352 353 354 355 356 357 358 369 360	458.7 458.7125 458.725 458.725 458.735 458.7625 458.7625 458.7875 458.87875 458.8125 458.8125 458.825 458.8375 458.8625 458.8625 458.8625 458.8625	468.6875 468.7125 468.725 468.725 468.7375 468.755 468.755 468.75 468.8125 468.825 468.825 468.825 468.825 468.8625 468.8625 468.8625 468.8625 468.875 468.89	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361	458.7 458.7125 458.725 458.725 458.735 458.75 458.75 458.775 458.875 458.8125 458.825 458.825 458.825 458.8625 458.8675 458.875 458.875 458.875 458.875 458.9375	468.6875 468.725 468.725 468.725 468.7375 468.755 468.757 468.7675 468.8125 468.8125 468.825 468.8375 468.8575 468.8625 468.875 468.8875 468.89 468.9375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
345 346 347 348 349 350 351 352 353 354 355 356 357 358 360 361 362 363	458.7 458.7125 458.725 458.725 458.75 458.76 458.765 458.7875 458.8765 458.8125 458.8375 458.8375 458.85 458.8625 458.8675 458.875 458.875 458.875 458.875 458.875 458.9375 458.9375 458.9375	468.6875 468.7125 468.725 468.725 468.7375 468.75 468.75 468.875 468.875 468.8125 468.825 468.825 468.8375 468.85 468.865 468.875 468.875 468.875 468.875 468.875 468.875 468.875	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361	458.7 458.7125 458.725 458.725 458.7375 458.7625 458.7625 458.7625 458.8125 458.8125 458.825 458.825 458.8375 458.8625 458.8625 458.8625 458.875 458.925 458.925 458.925 458.925 458.925 458.925 458.9625 458.9625	468.6875 468.725 468.725 468.725 468.7375 468.755 468.757 468.7675 468.8125 468.8125 468.825 468.8375 468.8575 468.8625 468.875 468.8875 468.89 468.9375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
345 346 347 348 349 350 351 352 353 354 355 356 357 358 360 361 362 363 364 365 366	458.7 458.7125 458.725 458.725 458.75 458.7625 458.7625 458.7675 458.875 458.8125 458.8125 458.825 458.825 458.8625 458.8625 458.875 458.897 458.9375 458.9375 458.9375 458.995 458.9625	468.6875 468.7 468.725 468.725 468.7375 468.7375 468.7625 468.7625 468.875 468.8125 468.8125 468.8375 468.8625 468.8625 468.975 468.975 468.9125 468.925 468.925 468.925 468.925 468.925 468.925 468.925 468.925 468.925 468.925 468.925	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
345 346 347 348 349 350 351 352 353 354 355 356 360 361 362 363 364 365 366 366 366 366 366	458.7 458.7125 458.725 458.725 458.735 458.75 458.75 458.775 458.775 458.875 458.8125 458.8125 458.825 458.825 458.8625 458.875 458.875 458.875 458.875 458.975 458.975 458.975 458.975 458.975 458.975	468.6875 468.725 468.725 468.725 468.7375 468.755 468.7575 468.7675 468.8125 468.8125 468.825 468.8375 468.8575 468.875 468.875 468.8975 468.9975 468.9975 468.9875 468.9875	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
345 346 347 348 349 350 351 352 353 354 355 356 357 358 360 361 362 363 364 365 366 367 368	458.7 458.7125 458.725 458.7375 458.7625 458.7625 458.7625 458.7875 458.8125 458.8125 458.825 458.825 458.8375 458.8375 458.8975 458.9125 458.975 459.9125 459.0125	468.6875 468.725 468.725 468.725 468.7375 468.755 468.755 468.7575 468.88 468.8125 468.8375 468.825 468.8375 468.8925 468.975 468.99375 468.99375 468.99375 468.995 468.995 468.995 468.995 468.975 468.975 468.975 468.975 468.975 468.975 468.975 468.975 469.0125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
345 346 347 348 349 350 351 352 353 354 355 356 367 368 369 369 369 370	458.7 458.7125 458.725 458.725 458.725 458.75 458.7625 458.7625 458.7875 458.8125 458.8125 458.825 458.8375 458.8625 458.876 458.925	468.6875 468.725 468.725 468.725 468.7375 468.755 468.75 468.775 468.875 468.8125 468.825 468.825 468.8375 468.875 468.89 468.9125 468.9125 468.925 468.925 468.925 468.9625 468.975 468.9875 468.9875 468.9875	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
345 346 347 348 349 350 351 352 353 354 355 356 356 360 361 362 363 364 365 366 367 368 369 370 371	458.7 458.7125 458.725 458.7375 458.7625 458.7625 458.7625 458.7875 458.8125 458.8125 458.825 458.825 458.8375 458.8375 458.8975 458.9125 458.975 459.9125 459.0125	468.6875 468.725 468.725 468.725 468.7375 468.755 468.755 468.7575 468.88 468.8125 468.8375 468.825 468.8375 468.8925 468.975 468.99375 468.99375 468.99375 468.995 468.995 468.995 468.995 468.975 468.975 468.975 468.975 468.975 468.975 468.975 468.975 469.0125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
345 346 347 348 349 350 351 352 353 354 355 356 357 358 360 361 362 363 364 365 366 366 366 367 368 369 370	458.7 458.7125 458.725 458.725 458.725 458.75 458.7625 458.7625 458.7875 458.875 458.825 458.825 458.825 458.825 458.8625 458.8625 458.875 458.9375 458.9375 458.9375 458.9375 458.995 458.975 458.9625 458.975 458.9625 458.975 458.9625 458.975 458.975 458.975 458.975 458.975 458.975 458.975 458.975	468.6875 468.7125 468.725 468.725 468.7375 468.755 468.765 468.765 468.875 468.8125 468.8375 468.825 468.8375 468.8925 468.9625 468.975 468.975 468.9875 468.995 468.9025 468.9025 468.9025 469.0375 469.0375 469.05	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE

CH-PLA	N FOR 454	.425_460/4	64.425_470MHz 2004 (12.5 kHz)
CH. No.	BTX	MTX	REMARKS
375	459.1	469.1	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
376	459.1125	469.1125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
377	459.125	469.125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
378	459.1375	469.1375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
379	459.15	469.15	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
380	459.1625	469.1625	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
381	459.175	469.175	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
382	459.1875	469.1875	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
383	459.2	469.2	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
384	459.2125	469.2125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
385	459.225	469.225	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
386	459.2375	469.2375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
387	459.25	469.25	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
388	459.2625	469.2625	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
389	459.275	469.275	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
390	459.2875	469.2875	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
391	459.3	469.3	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
392	459.3125	469.3125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
393	459.325	469.325	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
394	459.3375	469.3375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
395	459.35	469.35	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
396	459.3625	469.3625	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
397	459.375	469.375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
398	459.3875	469.3875	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
399	459.4	469.4	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
400	459.4125	469.4125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
401	459.425	469.425	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
402	459.4375	469.4375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
403	459.45	469.45	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
404	459.4625	469.4625	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
405	459.475	469.475	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
406	459.4875	469.4875	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
407	459.5	469.5	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
408	459.5125	469.5125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
409	459.525	469.525	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
410	459.5375	469.5375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
411	459.55	469.55	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
412	459.5625	469.5625	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
413	459.575	469.575	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
414	459.5875	469.5875	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
415	459.6	469.6	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
416	459.6125	469.6125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
417	459.625	469.625	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
418	459.6375	469.6375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
419	459.65	469.65	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
420	459.6625	469.6625	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
421	459.675	469.675	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
422	459.6875	469.6875	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
CH. No.	BTX	MTX	REMARKS
CH-PLA	N FOR 454	425 460/4	64.425 470MHz 2004 (12.5 kHz)
CH. No.	BTX	MTX	REMARKS
O11. 1 10 .	DIX	WIIX	TEMATICO
423	459.7	469.7	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
424	459.7125	469.7125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
425	459.725	469.725	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
426	459.7375	469.7375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
427	459.75	469.75	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
428	459.7625	469.7625	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
429	459.775	469.775	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
430	459.7875	469.7875	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
431	459.8	469.8	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
432	459.8125	469.8125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
433	459.825	469.825	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
434	459.8375	469.8375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
435	459.85	469.85	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
436	459.8625	469.8625	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
437	459.875	469.875	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
438	459.8875	469.8875	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
439	459.9	469.9	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
	459.9125	469.9125	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
440	459.925	469.925	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
440 441			
	459.9375	469.9375	VAROIUS ASSIGNMENTS & TRUNKED MOBILE
441		469.9375 469.95	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
441 442	459.9375		
441 442 443	459.9375 459.95	469.95 469.9625 469.975	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE
441 442 443 444	459.9375 459.95 459.9625	469.95 469.9625	VAROIUS ASSIGNMENTS & TRUNKED MOBILE VAROIUS ASSIGNMENTS & TRUNKED MOBILE

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H. No.	SF	454 - 454.425MHz 2017 (12.5	I S/G
1	454	SEE DATABASE	
2	454.0125	SEE DATABASE	
3	454.025	SEE DATABASE	
4	454.0375	SEE DATABASE	
5	454.05	SEE DATABASE	
6	454.0625	SEE DATABASE	
7	454.075	SEE DATABASE	
8	454.0875	SEE DATABASE	
9	454.1	SEE DATABASE	
10	454.1125	SEE DATABASE	
11	454.125	SEE DATABASE	
12	454.1375	SEE DATABASE	
13	454.15	SEE DATABASE	
14	454.1625	SEE DATABASE	
15	454.175	SEE DATABASE	
16	454.1875	SEE DATABASE	
17	454.2	SEE DATABASE	
18	454.2125	SEE DATABASE	
19	454.225	SEE DATABASE	
20	454.2375	SEE DATABASE	
21	454.25	SEE DATABASE	
22	454.2625	SEE DATABASE	
23	454.275	SEE DATABASE	
24	454.2875	SEE DATABASE	
25	454.3	SEE DATABASE	
26	454.3125	SEE DATABASE	
27	454.325	SEE DATABASE	
28	454.3375	SEE DATABASE	
29	454.35	SEE DATABASE	
30	454.3625	SEE DATABASE	
31	454.375	SEE DATABASE	
32	454.3875	SEE DATABASE	
33	454.4	SEE DATABASE	
34	454.4125	SEE DATABASE	

CH. No.	SF	REMARKS	S/Gr
1	464	SEE DATABASE	
2	464.0125	SEE DATABASE	
3	464.025	SEE DATABASE	
4	464.0375	SEE DATABASE	
5	464.05	SEE DATABASE	
6	464.0625	SEE DATABASE	
7	464.075	SEE DATABASE	
8	464.0875	SEE DATABASE	
9	464.1	SEE DATABASE	
10	464.1125	SEE DATABASE	
11	464.125	SEE DATABASE	
12	464.1375	SEE DATABASE	
13	464.15	SEE DATABASE	
14	464.1625	SEE DATABASE	
15	464.175	SEE DATABASE	
16	464.1875	SEE DATABASE	
17	464.2	SEE DATABASE	
18	464.2125	SEE DATABASE	
19	464.225	SEE DATABASE	
20	464.2375	SEE DATABASE	
21	464.25	SEE DATABASE	
22	464.2625	SEE DATABASE	
23	464.275	SEE DATABASE	
24	464.2875	SEE DATABASE	
25	464.3	SEE DATABASE	
26	464.3125	SEE DATABASE	
27	464.325	SEE DATABASE	
28	464.3375	SEE DATABASE	
29	464.35	SEE DATABASE	
30	464.3625	SEE DATABASE	
31	464.375	SEE DATABASE	
32	464.3875	SEE DATABASE	
33	464.4	SEE DATABASE	
34	464.4125	SEE DATABASE	

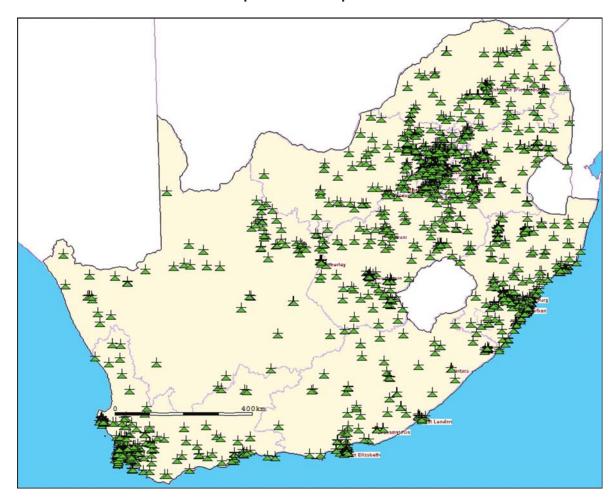
		k 463 - 463.9875MHz 2003 (12.5 kHz)
CH. No.	SF	REMARKS S/GI
1	463	SEE DATABASE
2	463.0125 463.025	SEE DATABASE SEE DATABASE
4	463.0375	SEE DATABASE SEE DATABASE
5	463.05	SEE DATABASE
6	463.0625	SEE DATABASE
7	463.075	SEE DATABASE
8 9	463.0875 463.1	SEE DATABASE SEE DATABASE
10	463.1125	SEE DATABASE
11	463.125	SEE DATABASE
12	463.1375	SEE DATABASE
13 14	463.15 463.1625	SEE DATABASE SEE DATABASE
15	463.175	SEE DATABASE
16	463.1875	SEE DATABASE
17	463.2	SEE DATABASE
18	463.2125	SEE DATABASE
19 20	463.225 463.2375	SEE DATABASE SEE DATABASE
21	463.25	SEE DATABASE
22	463.2625	SEE DATABASE
23	463.275	SEE DATABASE
24	463.2875	SEE DATABASE
25 26	463.3 463.3125	SEE DATABASE SEE DATABASE
27	463.325	SEE DATABASE
28	463.3375	SEE DATABASE
29	463.35	SEE DATABASE
30	463.3625	SEE DATABASE SEE DATABASE
31 32	463.375 463.3875	SEE DATABASE SEE DATABASE
33	463.4	SEE DATABASE
34	463.4125	SEE DATABASE
35	463.425	SEE DATABASE
36 37	463.4375 463.45	SEE DATABASE SEE DATABASE
38	463.4625	SEE DATABASE
39	463.475	SEE DATABASE
40	463.4875	SEE DATABASE
41	463.5	SEE DATABASE
42 43	463.5125 463.525	SEE DATABASE SEE DATABASE
44	463.5375	SEE DATABASE
45	463.55	SEE DATABASE
46	463.5625	SEE DATABASE
47	463.575	SEE DATABASE
LIANINI		463 - 463.9875MHz 2003 (12.5 kHz)
		, , , , , , , , , , , , , , , , , , , ,
48 49	463.5875 463.6	SEE DATABASE SEE DATABASE
50	463.6125	SEE DATABASE SEE DATABASE
51	463.625	SEE DATABASE
52	463.6375	SEE DATABASE
53	463.65	SEE DATABASE
54 55	463.6625 463.675	SEE DATABASE SEE DATABASE
56	463.6875	SEE DATABASE
57	463.7	SEE DATABASE
58	463.7125	SEE DATABASE
59 60	463.725 463.7375	SEE DATABASE SEE DATABASE
61	463.75	SEE DATABASE SEE DATABASE
62	463.7625	SEE DATABASE
63	463.775	SEE DATABASE
64	463.7875	SEE DATABASE
65 66	463.8 463.8125	SEE DATABASE SEE DATABASE
67	463.825	SEE DATABASE SEE DATABASE
68	463.8375	SEE DATABASE
69	463.85	SEE DATABASE
70	463.8625	SEE DATABASE
71	463.875	SEE DATABASE
72 73	463.8875 463.9	SEE DATABASE SEE DATABASE
74	463.9125	SEE DATABASE
75	463.925	SEE DATABASE
76	463.9375	SEE DATABASE
77 78	463.95	SEE DATABASE
78	463.9625 463.975	SEE DATABASE SEE DATABASE
79		

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1.9.2 Licensing information for the applicable frequency allocation

There are 7857 Licenses issued in this band for both BTX and MTX as well as single frequency devices

1.9.3 Areas where licensed frequencies are operational.



1.10 Applicable Frequency Allocation and Band information 452.5 MHz to 457.5 MHz and 462.5 MHz to 467.5 MHz

Band is identified for Transnet Trial License

Frequency Band under investigation 450 MHz to 470 MHz MOBILE

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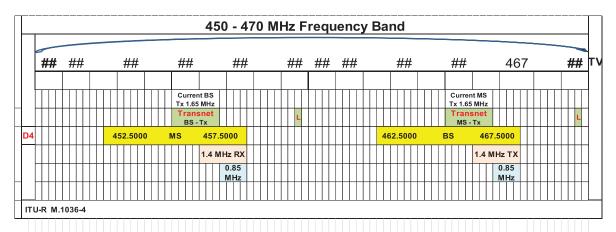
Frequency Sub bands

Pairings

MOBILE 452.5 to 457.5 MHz paired with BTX 462.5 to 467.5 MHz

See section 9 for more detail on existing licences

1.10.1 Channel Plan for the Frequency Allocation





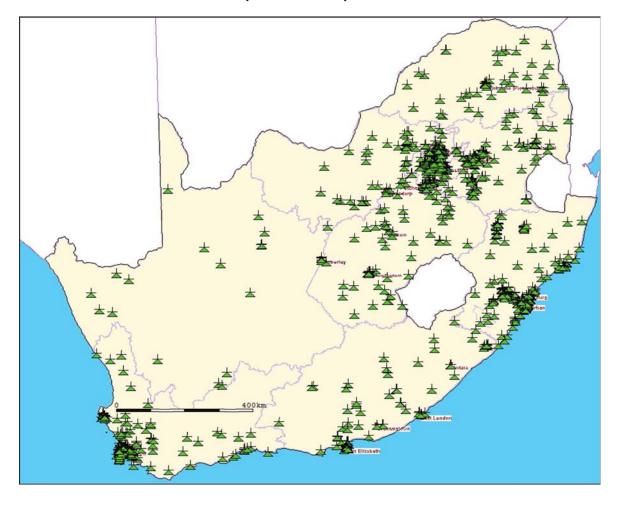
1.10.2 Licensing information for the applicable frequency allocation

There are 2207 Licenses issued in this band 452.5 to 457.5 MHz

There are 2548 Licenses issued in this band 462.5 to 467.5 MHz

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1.10.3 Areas where licensed frequencies are operational.



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1.11 Applicable Frequency Allocation and Band information 694 MHz to 960 MHz

Frequency Band under investigation 694 MHz to 960 MHz

MOBILE

BROADCASTING

FIXED (856 to 864.1 MHz)

Frequency Sub-bands

694 to 790 MHz & 790 to 862MHz & 862 to 890 & 890 to 942 & 942 to 960 MHz

Pairings

MOBILE UL 703 to 713 MHz paired with DL 758 to 768 MHz

MOBILE UL 713 to 723 MHz paired with DL 758 to 768 MHz

MOBILE UL 723 to 733 MHz paired with DL 758 to 768 MHz

MOBILE DL 791 to 801 MHz paired with UL 832 to 842 MHz

MOBILE DL 801 to 811 MHz paired with UL 842 to 852 MHz

MOBILE DL 811 to 821 MHz paired with UL 852 to 862 MHz

GSM-R (MTX) 877.695 to 880 MHz paired with (BTX) 921 to 925 MHz

IMT 900 (MTX) 880 to 915 MHz paired with (BTX) 925 to 960 MHz

FIXED Links 856 to 864.1 MHz paired with 868.1 to 876 MHz

RFID (including, passive tags and vehicle location) 915.1 to 921 MHz

Wireless Access 872.775 to 877.695 MHz paired with 827.775 to 832.695 MHz

Wireless audio systems and wireless microphones 863 to 865 MHz

CT2 Cordless phones 864.1 to 868.1 MHz

FWA 864.1 to 868.1 MHz

RFID 865 to 868 MHz

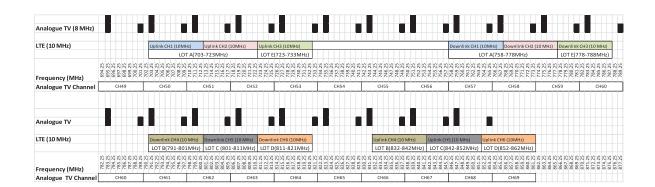
Non-specific SRD and RFID 869.4 to 869.65 MHz

Non-specific SRDs 868 to 868.6 MHz & 868.7 to 869.2 MHz

1.11.1 Channel Plan for the Frequency Allocation

LTE Implementation Plan after Broadcast analogue Television switch-off

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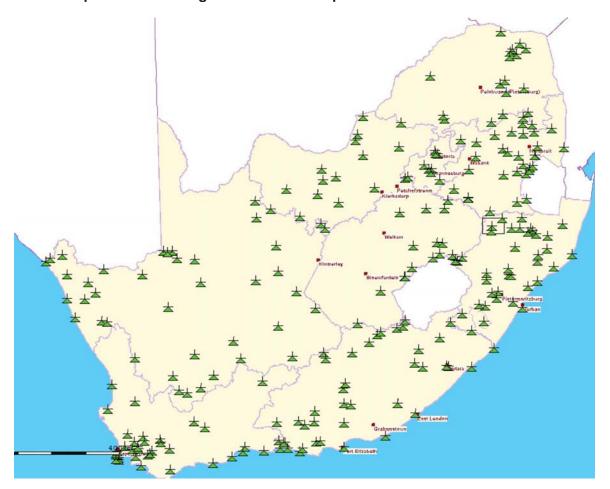


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1.11.2 Areas where licensed frequencies are operational.

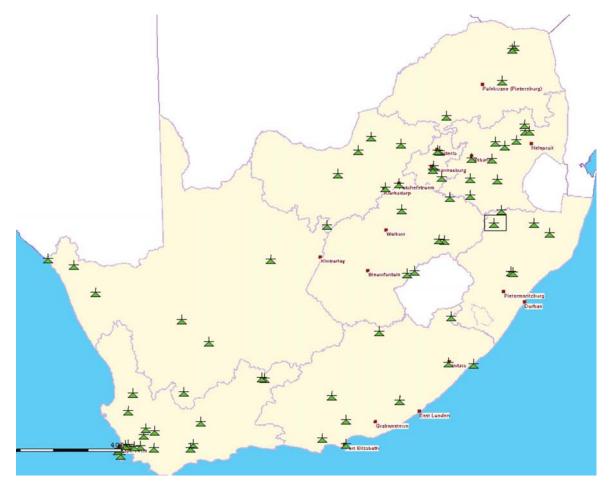
This does not include the low power self-help frequencies which are operational.

1.11.2.1 Operational Analogue Broadcast Frequencies 694 MHz to 790 MHz



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1.11.2.2 Operational Analogue Broadcast Frequencies 790 MHz to 854 MHz



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1.12 Applicable Frequency Allocation and Band information 1350 MHz to 1375 MHz & 1492 MHz to 1517 MHz

FIXED NF 14

Frequency Band under investigation 1350 to 1375 MHz

FIXED

Frequency Band under investigation 1492 to 1517 MHz

FIXED

MOBILE except aeronautical mobile

Frequency Sub bands

Pairings

FIXED 1350 to 1375 MHz paired with 1492 to 1517 MHz

Fixed link (duplex)

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1.12.1 Channel Plan for the Frequency Allocation

1.12.1.1 Annexure A

1.4	GHz cha	nnel plans	TR	13-01(A)	ITU-R F.124	42											
Anı	nex A (ne	w plan)															
	CEPT	TR13-01(A)					CEPT	TR13-01(A)					CEPT	TR13-01(A)			
	Band	1.4 GHz (F.S)					Band	1.4 GHz (F.S)					Band	1.4 GHz (F.S)			
	Ctr.Freq Ch.Width	1433.5 M Hz 25 kHz					Ctr.Freq Ch.Width	1433.5 M Hz 250 kHz					Ctr.Freq Ch.Width	1433.5 M Hz 500 kHz	Н		
	Separ.	142 M Hz					Separ.	142 M Hz					Separ.	142 M Hz			
	Ch.Spac. Ctr.Gap	10 0 x 2 5 kHz 117 M Hz					Ch.Spac. Ctr.Gap	15x250 kHz 117 M Hz					Ch.Spac. Ctr.Gap	3 5x50 0 kHz 117 M Hz	Н		Old plan
Ch.	Go Go	Return	т	Go	Return	Ch.	Go Go	Return	Ch.	Go	Return	Ch.	Go Go	Return	Н		channel n
1	13 50 . 512 5	1492.5125	37	13 51.4 12 5	1493.4125	73	13 52 .3 12 5	1494.3125	9	13 55, 12 50	1497.1250	1 1	13 57.2 50 0	1499.2500		10 9	Channel h
2	13 50 .53 75	1492.5375	38	13 51.4 3 7 5	1493.4375	74	1352.3375	1494.3375	10	13 55.3 750	1497.3750	2	13 57.750 0	1499.7500	H	110	
3	13 50 . 56 2 5	1492.5625	39	13 51.4 6 2 5	1493.4625	75	1352.3625	1494.3625	11	13 55.6 2 50	1497.6250	3	13 58 .2 50 0	1500.2500	Н	111	
4	13 50 . 58 7 5	1492.5875	40	13 51.48 75	1493.4875	76	1352.3875	1494.3875	12	13 55.8 750	1497.8750	4	13 58 . 750 0	1500.7500	H	112	
5	13 50 .6 12 5	1492.6125	41	13 51, 512 5	1493.5125	77	13 52 .4 12 5	1494.4125	13	13 56 .12 50	1498.1250	5	13 59 .2 50 0	150 1.2 50 0	H	113	
	1350.6375	1492.6375	42			78	1		14			6	1		H	114	
6				13 51.53 75	1493.5375	_	13 52 . 4 3 7 5	1494.4375		13 56 . 3 7 50	1498.3750		13 59 . 750 0	150 1.750 0	H		
7	1350.6625	1492.6625	43	13 51.56 2 5	1493.5625	79	1352.4625	1494.4625	15	13 56 .6 2 50	1498.6250	7	1360.2500	1502.2500	H	115	
8	1350.6875	1492.6875	44	13 51.58 75	1493.5875	8.0	13 52 . 4 8 7 5	1494.4875	┢			8	1360.7500	150 2 .750 0	H	116	-
9	13 50 .712 5	1492.7125	45	13 51.6 12 5	1493.6125	81	13 52 . 512 5	1494.5125	⊢	-		9	13 6 1.2 50 0	1503.2500	H	117	-
10	1350.7375	1492.7375	46	13 51.6 3 7 5	1493.6375	82	13 52 . 53 7 5	1494.5375	\vdash			10	13 6 1.750 0	1503.7500	H	118	-
11	1350.7625	1492.7625	47	13 51.6 6 2 5	1493.6625	83	13 52 . 56 2 5	1494.5625	┝			11	1362.2500	1504.2500	L	119	
12	13 50 . 78 75	1492.7875	48	13 51.6 8 7 5	1493.6875	84	13 52 . 58 7 5	1494.5875	⊢	-		12	1362.7500	1504.7500	L	12 0	
13	13 50 .8 12 5	1492.8125	49	13 51.712 5	1493.7125	8 5	13 52 .6 12 5	1494.6125	<u> </u>			13	1363.2500	150 5.2 50 0	L	12 1	
14	1350.8375	1492.8375	50	13 51.73 75	1493.7375	86	13 52 . 6 3 7 5	1494.6375	╙			14	1363.7500	150 5.750 0	L	12 2	
15	1350.8625	1492.8625	51	13 51.76 2 5	1493.7625	87	1352.6625	1494.6625	<u> </u>			15	1364.2500	1506.2500	L	123	
16	1350.8875	1492.8875	52	13 51.78 75	1493.7875	88	13 52 .6875	1494.6875				16	1364.7500	1506.7500	L	12 4	
17	13 50 .9 12 5	1492.9125	53	13 51.8 12 5	1493.8125	89	13 52 . 712 5	1494.7125	<u> </u>			17	1365.2500	1507.2500	L	125	
18	1350.9375	1492.9375	54	13 51.8 3 7 5	1493.8375	90	13 52 . 73 75	1494.7375	<u> </u>			18	1365.7500	1507.7500	L	12 6	
19	1350.9625	1492.9625	55	13 51.8 6 2 5	1493.8625	91	13 52 . 76 2 5	1494.7625	<u> </u>			19	1366.2500	1508.2500	L	12 7	
20	1350.9875	1492.9875	56	13 51.8 8 7 5	1493.8875	92	13 52 . 78 75	1494.7875	<u> </u>			20	1366.7500	1508.7500	L	128	
21	13 51.0 12 5	1493.0125	57	13 51.9 12 5	14 9 3 . 9 12 5	93	13 52 .8 12 5	1494.8125				21	1367.2500	1509.2500	L	129	
22	13 51.0 3 7 5	1493.0375	58	13 51.9 3 7 5	1493.9375	94	1352.8375	1494.8375	<u> </u>			22	1367.7500	1509.7500	L	13 0	
23	13 51.0 6 2 5	1493.0625	59	13 51.9 6 2 5	1493.9625	95	13 52 .8 6 2 5	1494.8625				23	1368.2500	1510.2500	L	131	
24	13 51.0 8 7 5	1493.0875	60	13 51.9 8 7 5	1493.9875	96	13 52 .8 8 7 5	1494.8875				24	1368.7500	1510.7500		132	
25	13 51.112 5	1493.1125	61	13 52 . 0 12 5	1494.0125	97	13 52 .9 12 5	1494.9125				25	1369.2500	1511.2500		13 3	ad hoc
26	13 51.13 75	1493.1375	62	1352.0375	1494.0375	98	13 52 .9 3 75	1494.9375				26	1369.7500	1511.7500		13 4	
27	13 51.16 2 5	1493.1625	63	1352.0625	1494.0625	99	13 52 .9 6 2 5	1494.9625				27	1370.2500	1512.2500		135	ad hoc
28	13 51.18 75	1493.1875	64	1352.0875	1494.0875	10 0	13 52 . 9 8 7 5	1494.9875				28	1370.7500	1512.7500	Г	13 6	
29	13 51.2 12 5	1493.2125	65	13 52 . 112 5	1494.1125	1	13 53 . 12 50	14 9 5.12 50]		29	1371.2500	1513.2500		13 7	ad hoc
30	13 51.2 3 7 5	1493.2375	66	13 52 . 13 7 5	1494.1375	2	1353.3750	1495.3750				30	13 71.750 0	1513.7500		138	ad hoc
31	13 51.2 6 2 5	1493.2625	67	13 52 . 16 2 5	1494.1625	3	1353.6250	1495.6250				31	1372.2500	1514.2500		139	
32	13 51.2 8 7 5	1493.2875	68	13 52 . 18 7 5	1494.1875	4	13 53 .8 750	1495.8750				32	1372.7500	1514.7500		14 0	ad hoc
33	13 51.3 12 5	1493.3125	69	13 52 . 2 12 5	1494.2125	5	13 54 . 12 50	1496.1250		1		33	1373.2500	1515.2500	Г	141	1
34	13 51.3 3 7 5	1493.3375	70	1352.2375	1494.2375	6	13 54 . 3 7 5 0	1496.3750	Г	i		34	1373.7500	1515.7500		142	1
35	1351.3625	1493.3625	71	1352.2625	1494.2625	7	13 54 . 6 2 50	1496.6250	\vdash	1		35	1374.2500	1516.2500	Г	14 3	
36	13 51.3 8 7 5	1493.3875	72	13 52 . 2 8 7 5	1494.2875	8	13 54 .8 750	1496.8750	\Box	1		Ė			T		1
			П												Т		
		25 kHz shared						250 kHz share	d					500 kHz shared			
	continue	Annex B	on r	nextshee	t		Typical	users									
			Ť.		_		Eskom										
	*						Transnet										
							SAPS										
							SANDF										
							Ekurhule	ni									
								Research F	ound	ation							

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1.12.1.2 Annexure B

Annex B (n	ew plan)		
	CEPT TR13-01	(B)	
	Band 1.4 GHz	(F.S)	
	Ctr.Freq 1413.	5 M Hz	
	Ch.Width 500		
	Separ. 52 MHz		
	Ch.Spac. 48x50		
	Ctr.Gap 27 MH		
Ch.	Go	Return	
1	13 75.750 0	1427.7500	
2	1376.2500	1428.2500	
3	1376.7500	1428.7500	
4	1377.2500	1429.2500	
5	13 77.750 0	1429.7500	
6	13 78 . 2 50 0	1430.2500	
7	13 78 . 750 0	1430.7500	
8	13 79 .2 50 0	14 3 1.2 50 0	
9	13 79 .750 0	14 3 1.750 0	Tollrage
10	13 8 0 .2 50 0	1432.2500	Telkom
11	1380.7500	1432.7500	Tallean
12	13 8 1.2 50 0	1433.2500	Telkom
13	13 8 1.750 0	1433.7500	
14	1382.2500	1434.2500	
15	1382.7500	1434.7500	
16	1383.2500	14 3 5.2 50 0	
17	1383.7500	14 3 5.750 0	
18	1384.2500	1436.2500	
19	1384.7500	1436.7500	
20	13 8 5.2 50 0	1437.2500	
21	1385.7500	1437.7500	
22	1386.2500	1438.2500	
23	1386.7500	1438.7500	
24	1387.2500	1439.2500	
2 5	1387.7500	1439.7500	
26	1388.2500	14 4 0 . 2 5 0 0	
27	1388.7500	1440.7500	
28	1389.2500	14 4 1.2 50 0	
29	1389.7500	14 4 1.750 0	
3 0	1390.2500	1442.2500	
31	1390.7500	1442.7500	
3 2	13 9 1.2 50 0	1443.2500	
3 3	13 9 1.750 0	1443.7500	
3 4	1392.2500	1444.2500	
3 5	1392.7500	1444.7500	
3 6	1393.2500	1445.2500	
3 7	1393.7500	14 4 5.750 0	
38	1394.2500	1446.2500	-
3 9	1394.7500	1446.7500	Telkom
4 0	13 9 5.2 50 0	1447.2500	Telkom
41	13 9 5.750 0	1447.7500	Telkom
42	13 9 6 . 2 5 0 0	1448.2500	Telkom
4 3	1396.7500	1448.7500	Telkom
44	1397.2500	1449.2500	Telkom
4 5	1397.7500	1449.7500	Telkom
4 6	13 9 8 . 2 5 0 0	14 50 .2 50 0	Telkom
47	1398.7500	14 50 .750 0	Telkom
48	1399.2500	14 51.2 50 0	Telkom

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1.12.1.3 Simplex Channels

	ITU / CEPT	Based on RE	C ITU-R F.124	2					
	Band	1.5	GHz (F.S) Simp	olex					
	Ctr.Freq		-						
	Ch.Width	7x500 kHz	& 140x25 kHz						
	Separ.		-						
	Ch.Spac.	7x 50	0 kHz & 140x 2	5 kHz					
	Ctr.Gap		-						
Ch.		Ch.		Ch.		Ch.		Ch.	
1(IM T)	1517.75	37	152 1.73 75	73	1522.6375	10 9	1523.5375	14 5	1524.437
2(IM T)	1518.25	38	152 1.76 2 5	74	1522.6625	110	1523.5625	14 6	1524.462
3	1518.75	3 9	152 1.78 75	75	1522.6875	111	1523.5875	14 7	1524.487
4	1519.25	4 0	152 1.8 12 5	76	1522.7125	112	1523.6125		
5	1519.75	41	152 1.8 3 7 5	77	1522.7375	113	1523.6375		
6	1520.25	42	152 1.8 6 2 5	78	1522.7625	114	1523.6625		
7	1520.75	43	152 1.8 8 7 5	79	1522.7875	115	1523.6875		
8	152 1.0 12 5	44	152 1.9 12 5	80	1522.8125	116	1523.7125		
9	152 1.0 3 75	45	152 1.9 3 75	81	1522.8375	117	1523.7375		
10	152 1.0 6 2 5	46	1521.9625	82	1522.8625	118	1523.7625		
11	152 1.0 8 75	47	152 1.9 8 75	83	1522.8875	119	1523.7875		
12	152 1.112 5	48	1522.0125	8 4	1522.9125	12 0	1523.8125		
13	152 1.13 75	49	1522.0375	8 5	1522.9375	12 1	1523.8375		
14	152 1.16 2 5	50	1522.0625	86	1522.9625	12 2	1523.8625		
15	152 1.18 75	51	1522.0875	87	1522.9875	123	1523.8875		
16	152 1.2 12 5	52	1522.1125	88	1523.0125	12 4	1523.9125		
17	152 1.2 3 75	53	1522.1375	89	1523.0375	12 5	1523.9375		
18	152 1.2 6 2 5	54	1522.1625	90	1523.0625	12 6	1523.9625		
19	152 1.2 8 75	55	1522.1875	91	1523.0875	127	1523.9875		
20	152 1.3 12 5	56	1522.2125	92	1523.1125	12 8	1524.0125		
21	152 1.3 3 7 5	57	1522.2375	93	1523.1375	129	1524.0375		
22	152 1.3 6 2 5	58	1522.2625	94	1523.1625	13 0	1524.0625		
23	152 1.3 8 7 5	59	1522.2875	95	1523.1875	13 1	1524.0875		
24	152 1.4 12 5	60	1522.3125	96	1523.2125	13 2	1524.1125		
25	152 1.4 3 7 5	61	1522.3375	97	1523.2375	13 3	1524.1375		
26	152 1.4 6 2 5	62	1522.3625	98	1523.2625	13 4	1524.1625		
27	152 1.4 8 7 5	63	1522.3875	99	1523.2875	13 5	1524.1875		
28	152 1.512 5	64	1522.4125	10 0	1523.3125	13 6	1524.2125		
29	152 1.53 75	65	1522.4375	10 1	1523.3375	13 7	1524.2375		
30	152 1.56 2 5	66	1522.4625	10 2	1523.3625	13 8	1524.2625		
31	152 1.58 75	67	1522.4875	10 3	1523.3875	13 9	1524.2875		
32	152 1.6 12 5	68	1522.5125	10 4	1523.4125	14 0	1524.3125		
33	152 1.6 3 7 5	69	1522.5375	10 5	1523.4375	14 1	1524.3375		
34	1521.6625	70	1522.5625	10 6	1523.4625	14 2	1524.3625		
35	152 1.6 8 75	71	1522.5875	10 7	1523.4875	14 3	1524.3875		
36	152 1.712 5	72	1522.6125	10 8	1523.5125	14 4	1524.4125		

1.13 Applicable Frequency Allocation and Band information 1518 MHz to 1525 MHz

FIXED

MOBILE-SATELLITE (space to Earth)

Frequency Band under investigation 1518 to 1525 MHz

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This band is identified for IMT Satellite Components (Space to earth)

1.13.1 Channel Plan for the Frequency Allocation

See previous section for more details

1.13.2 Licensing information for the applicable frequency allocation

See previous section for more details

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1.14 Applicable Frequency Allocation and Band information 1700 MHz to 2450 MHz

Frequency Band under investigation 1700 to 2450 MHz and sub band 2025 to 2110 MHz

1700 to 1710 MHz

METEOROLOGICAL SATELLITE (space to Earth)

Fixed Links (single frequency)

1710 to 1980 MHz

FIXED

MOBILE

FWA 1880 to 1900 MHz

FWA TDD 1900 to 1920 MHz

Fixed Broadband data applications: 1785 to 1805 MHz

IMT 1800 MTX: 1710 to 1785 MHz paired with BTX 1805 to 1880 MHz

Cordless Telephones: 1880 to 1900 MHz

IMT 1900 TDD: 1900 to 1920 MHz

IMT 2100 MTX: 1920 to 1980 MHz paired with BTX 2110 to 2170 MHz

1980 to 2010 MHz

FIXED

MOBILE

MOBILE-SATELLITE

FIXED Links: 1980 to 2010 MHz paired with 2170 to 2200 MHz

CGC/ATC fixed systems: 1980 to 2010 MHz

IMT satellite: 1980 to 2010 MHz

2010 to 2025 MHz

FIXED

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MOBILE

IMT TDD: 2010 to 2025 MHz

2025 to 2110 MHz

FIXED

Fixed Links: 2025 to 2110 MHz paired with 2200 to 2285 MHz

2110 to 2170 MHz

FIXED

MOBILE

IMT 2100 BTX 2110 to 2170 MHz paired with 1920 to 1980

2170 to 2200 MHz

FIXED

MOBILE

MOBILE-SATELLITE (space to Earth)

Fixed Links 2170 to 2200 MHz paired with 1980 to 2010

CGC/ATC fixed systems: 1980 to 2010 MHz

IMT satellite: 1980 to 2010 MHz

2200 to 2300 MHz

SPACE OPERATION (space to Earth) (space to space)

FIXED

MOBILE

Fixed Links 2025 to 2110 MHz paired with 2200 to 2285 MHz

BFWA 2285 to 2300 MHz

ITU-R Rec F.1098 refers

2300 to 2450 MHz

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FIXED

MOBILE

Amateur

FWA (PTP/PTMP): 2307 to 2387 paired with 2401 to 2481 MHz FWA (PTP/PTMP): 2401 to 2481 paired with MHz 2307 to 2387

IMT 2300 TDD: 2300 to 2400 MHz

WLAN, FDDA and model ctrl: 2400 to 2483.5 MHz

Non Specific SRDs and low power video surveillance: 2400 2483.5 MHz

RFDI: 2400 2483.5 MHz

ISM applications: 2400 2483.5 MHz

1.14.1 Channel Plan for the Frequency Allocation





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GSM 1800

			Assignment/usage		
<u>Ch. No.</u>	ARFCN (FI), MHz	ARFCN (Fu), MHz	current	Comments	Final assignment
512 513		1805.2 1805.4			GB
513		1805.4			Neotel Neotel
515		1805.8			Neotel
516		1806			Neotel
517	1711.2	1806.2			Neotel
518		1806.4			Neotel
519	1711.6	1806.6			Neotel
520		1806.8			Neotel
521	1712	1807			Neotel
522		1807.2			Neotel
523		1807.4			Neotel
524 525		1807.6 1807.8			Neotel Neotel
526		1808			Neotel
527	1713.2	1808.2			Neotel
528		1808.4			Neotel
529		1808.6			Neotel
530	1713.8	1808.8			Neotel
531	1714	1809			Neotel
532	1714.2	1809.2			Neotel
533		1809.4			Neotel
534		1809.6			Neotel
535		1809.8			Neotel
536		1810			Neotel
537	1715.2	1810.2			Neotel
538 539		1810.4			Neotel
540		1810.6 1810.8			Neotel Neotel
541	1715.6	1811			Neotel
542		1811.2			Neotel
543		1811.4			Neotel
544		1811.6			Neotel
545		1811.8			Neotel
546	1717	1812			Neotel
547	1717.2	1812.2			Neotel
548		1812.4			Neotel
549		1812.6			Neotel
550		1812.8			Neotel
551	1718	1813			Neotel
552		1813.2			Neotel
553 554		1813.4 1813.6			Neotel Neotel
555		1813.8			Neotel
556		1814			Neotel
557		1814.2			Neotel
558		1814.4			Neotel
559	1719.6	1814.6			Neotel
560	1719.8	1814.8			Neotel
561		1815			Neotel
562		1815.2			Neotel
563		1815.4			Neotel
564		1815.6			Neotel
565		1815.8			Neotel
566		1816			Neotel
567		1816.2			Neotel
568 569		1816.4 1816.6			Neotel Neotel
570					Neotel
570		1817			Neotel
572		1817.2			Neotel

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573	1722.4	1817.4	GB
574	1722.6	1817.6	GB
575	1722.8	1817.8	MTN
576	1723	1818	MTN
577	1723.2	1818.2	MTN
578	1723.4	1818.4	MTN
579	1723.6	1818.6	MTN
580	1723.8	1818.8	MTN
581	1724	1819	MTN
582	1724.2	1819.2	MTN
583	1724.4	1819.4	MTN
584	1724.6	1819.6	MTN
585	1724.8	1819.8	MTN
586	1725	1820	MTN
587	1725.2	1820.2	MTN
588	1725.4	1820.4	MTN
589	1725.6	1820.6	MTN
590	1725.8	1820.8	MTN
591	1726	1821	MTN
592	1726.2	1821.2	MTN
593	1726.4	1821.4	MTN
594 595	1726.6 1726.8	1821.6 1821.8	MTN MTN
596	1720.6	1822	MTN
597	1727.2	1822.2	MTN
598	1727.4	1822.4	MTN
599	1727.6	1822.6	MTN
600	1727.8	1822.8	MTN
601	1728	1823	MTN
602	1728.2	1823.2	MTN
603	1728.4	1823.4	MTN
604	1728.6	1823.6	MTN
605	1728.8	1823.8	MTN
606	1729	1824	MTN
607	1729.2	1824.2	MTN
608	1729.4	1824.4	MTN
609	1729.6	1824.6	MTN
610	1729.8	1824.8	MTN
611	1730	1825	MTN
612	1730.2	1825.2	MTN
613	1730.4	1825.4	MTN
614	1730.6	1825.6	MTN
615	1730.8	1825.8	MTN
616	1731	1826	MTN
617	1731.2	1826.2	MTN
618	1731.4	1826.4	MTN
619	1731.6	1826.6	MTN
620	1731.8	1826.8	MTN
621	1732	1827	MTN
622	1732.2	1827.2	MTN
623	1732.4	1827.4	MTN
624	1732.6 1732.8	1827.6	MTN
625 626	1732.8	1827.8 1828	MTN MTN
627	1733.2	1828.2	MTN
628	1733.4	1828.4	MTN
629	1733.4	1828.6	MTN
630	1733.8	1828.8	MTN
631	1734	1829	MTN
632	1734.2	1829.2	MTN
633	1734.4	1829.4	MTN
634	1734.6	1829.6	MTN
635	1734.8	1829.8	GB
636	1735	1830	GB

637	1735.2	1830.2	Telkom
638	1735.4	1830.4	Telkom
639	1735.6	1830.6	Telkom
640	1735.8	1830.8	Telkom
641	1736	1831	Telkom
642	1736.2	1831.2	Telkom
643	1736.4	1831.4	Telkom
644	1736.6	1831.6	Telkom
645	1736.8	1831.8	Telkom
646	1737	1832	Telkom
647	1737.2	1832.2	Telkom
648	1737.4	1832.4	Telkom
649	1737.6	1832.6	Telkom
650	1737.8	1832.8	Telkom
651	1738	1833	Telkom
652	1738.2	1833.2	Telkom
653	1738.4	1833.4	Telkom
654	1738.6	1833.6	Telkom
655	1738.8	1833.8	Telkom
656	1739	1834	Telkom
657	1739.2	1834.2	Telkom
658	1739.4	1834.4	Telkom
659	1739.6	1834.6	Telkom
660	1739.8	1834.8	Telkom
661	1740	1835	Telkom
662	1740.2	1835.2	Telkom
663	1740.4	1835.4	Telkom
664	1740.6	1835.6	Telkom
665	1740.8	1835.8	Telkom
666	1741	1836	Telkom
667	1741.2	1836.2	Telkom
668	1741.4	1836.4	Telkom
669	1741.6	1836.6	Telkom
670	1741.8	1836.8	Telkom
671	1742	1837	Telkom
672	1742.2	1837.2	Telkom
673	1742.4	1837.4	Telkom Telkom
674 675	1742.6 1742.8	1837.6 1837.8	Telkom
676	1742.8	1838	Telkom
677	1743.2	1838.2	Telkom
678	1743.4	1838.4	Telkom
679	1743.4	1838.6	Telkom
680	1743.8	1838.8	Telkom
681	1743.6	1839	Telkom
682	1744.2	1839.2	Telkom
683	1744.4	1839.4	Telkom
684	1744.6	1839.6	Telkom
685	1744.8	1839.8	Telkom
686	1745	1840	Telkom
687	1745.2	1840.2	Telkom
688	1745.4	1840.4	Telkom
689	1745.6	1840.6	Telkom
690	1745.8	1840.8	Telkom
691	1746	1841	Telkom
692	1746.2	1841.2	Telkom
693	1746.4	1841.4	Telkom
694	1746.6	1841.6	Telkom
695	1746.8	1841.8	Telkom
696	1747	1842	Telkom
697	1747.2	1842.2	GB
698	1747.4	1842.4	GB
699	1747.6	1842.6	GB
700	1747.8	1842.8	GB

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701	1748	1843	Cell C
702	1748.2	1843.2	Cell C
703	1748.4	1843.4	Cell C
704	1748.6	1843.6	Cell C
705	1748.8	1843.8	Cell C
706	1749	1844	Cell C
707	1749.2	1844.2	Cell C
708	1749.4	1844.4	Cell C
709	1749.6	1844.6	Cell C
710	1749.8	1844.8	Cell C
711	1750	1845	Cell C
712	1750.2	1845.2	Cell C
713	1750.4	1845.4	Cell C
714	1750.6	1845.6	Cell C
715	1750.8	1845.8	Cell C
716	1751	1846	Cell C
717	1751.2	1846.2	Cell C
718	1751.4	1846.4	Cell C
719	1751.6	1846.6	Cell C
720	1751.8	1846.8	Cell C
721	1752	1847	Cell C
722	1752.2	1847.2	Cell C
723	1752.4	1847.4	Cell C
724	1752.6	1847.6	Cell C
725	1752.8	1847.8	Cell C
726	1753	1848	Cell C
727	1753.2	1848.2	Cell C
728	1753.4	1848.4	Cell C
729	1753.6	1848.6	Cell C
730	1753.8	1848.8	Cell C
731	1754	1849	Cell C
732	1754.2	1849.2	Cell C
733	1754.4	1849.4	Cell C
734	1754.6	1849.6	Cell C
735	1754.8	1849.8	Cell C
736	1755	1850	Cell C
737	1755.2	1850.2	Cell C
738	1755.4	1850.4	Cell C
739	1755.6	1850.6	Cell C
740	1755.8	1850.8	Cell C
741	1756	1851	Cell C
742	1756.2	1851.2	Cell C
743	1756.4	1851.4	Cell C
744	1756.6	1851.6	Cell C
745	1756.8	1851.8	Cell C
746	1757	1852	Cell C
747	1757.2	1852.2	Cell C
748	1757.4	1852.4	Cell C
749	1757.6	1852.6	Cell C
750	1757.8	1852.8	Cell C
751	1758	1853	Cell C
752	1758.2	1853.2	Cell C
753	1758.4	1853.4	Cell C
754	1758.6	1853.6	Cell C
755	1758.8	1853.8	Cell C
756	1759	1854	Cell C
757	1759.2	1854.2	Cell C
758	1759.4	1854.4	Cell C
759	1759.6	1854.6	Cell C
760	1759.8	1854.8	Cell C
761	1760	1855	GB
762	1760.2	1855.2	GB

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763	1760.4	1855.4	Vodacom
764	1760.6	1855.6	Vodacom
765	1760.8	1855.8	Vodacom
	1761	1856	
766			Vodacom
767	1761.2	1856.2	Vodacom
768	1761.4	1856.4	Vodacom
769	1761.6	1856.6	Vodacom
770	1761.8	1856.8	Vodacom
771	1762	1857	Vodacom
772	1762.2	1857.2	Vodacom
773	1762.4	1857.4	Vodacom
774	1762.6	1857.6	Vodacom
775	1762.8	1857.8	Vodacom
776	1763	1858	Vodacom
777	1763.2	1858.2	Vodacom
778	1763.4	1858.4	Vodacom
779	1763.6	1858.6	Vodacom
780	1763.8	1858.8	Vodacom
781	1764	1859	Vodacom
782	1764.2	1859.2	Vodacom
783	1764.4	1859.4	Vodacom
784	1764.6	1859.6	Vodacom
785	1764.8	1859.8	Vodacom
786	1765	1860	Vodacom
787	1765.2	1860.2	Vodacom
788	1765.4	1860.4	Vodacom
789	1765.6	1860.6	Vodacom
790	1765.8	1860.8	Vodacom
791	1766	1861	Vodacom
792	1766.2	1861.2	Vodacom
793	1766.4	1861.4	Vodacom
794			
	1766.6	1861.6	Vodacom
795	1766.8	1861.8	Vodacom
796	1767	1862	Vodacom
797	1767.2	1862.2	Vodacom
798	1767.4	1862.4	Vodacom
799	1767.6	1862.6	Vodacom
800	1767.8	1862.8	Vodacom
801	1768	1863	Vodacom
802	1768.2	1863.2	Vodacom
803	1768.4	1863.4	Vodacom
804	1768.6	1863.6	Vodacom
805	1768.8	1863.8	Vodacom
806	1769	1864	Vodacom
807	1769.2	1864.2	Vodacom
808	1769.4	1864.4	Vodacom
222	.=		
809	1769.6	1864.6	Vodacom
810	1769.8	1864.8	Vodacom
811	1770	1865	Vodacom
812	1770.2	1865.2	Vodacom
813	1770.4	1865.4	Vodacom
814	1770.6	1865.6	Vodacom
815	1770.8	1865.8	Vodacom
816	1771	1866	Vodacom
817	1771.2	1866.2	Vodacom
818	1771.4	1866.4	Vodacom
819	1771.6	1866.6	Vodacom
820	1771.8	1866.8	Vodacom
821	1771.0	1867	Vodacom
822	1772.2	1867.2	Vodacom
823	1772.4	1867.4	
			GB
824	1772.6	1867.6	GB

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825	1772.8	1867.8	WBS
826	1773	1868	WBS
827	1773.2	1868.2	WBS
828	1773.4	1868.4	WBS
829	1773.6	1868.6	WBS
830	1773.8	1868.8	WBS
831	1774	1869	WBS
832	1774.2	1869.2	WBS
833	1774.4	1869.4	WBS
834	1774.6	1869.6	WBS
835	1774.8	1869.8	WBS
836	1775	1870	WBS
837	1775.2	1870.2	WBS
838	1775.4	1870.4	WBS
839	1775.6	1870.6	WBS
840	1775.8	1870.8	WBS
841	1776	1871	WBS
			WBS
842	1776.2	1871.2	
843	1776.4	1871.4	WBS
844	1776.6	1871.6	WBS
845	1776.8	1871.8	WBS
846	1777	1872	WBS
847	1777.2	1872.2	WBS
848	1777.4	1872.4	WBS
849	1777.6	1872.6	WBS
850	1777.8	1872.8	WBS
851	1778	1873	WBS
852	1778.2	1873.2	WBS
853	1778.4	1873.4	WBS
854	1778.6	1873.6	WBS
855	1778.8	1873.8	WBS
856	1779	1874	WBS
857	1779.2	1874.2	WBS
858	1779.4	1874.4	WBS
859	1779.6	1874.6	WBS
860	1779.8	1874.8	WBS
861	1780	1875	WBS
862	1780.2	1875.2	WBS
863	1780.4	1875.4	WBS
864	1780.6	1875.6	WBS
865	1780.8	1875.8	WBS
866	1781	1876	WBS
867	1781.2	1876.2	WBS
868	1781.4	1876.4	WBS
869	1781.6	1876.6	WBS
870	1781.8	1876.8	WBS
871	1782	1877	WBS
872	1782.2	1877.2	WBS
873	1782.4	1877.4	WBS
874	1782.6	1877.6	WBS
875	1782.8	1877.8	WBS
876	1783	1878	WBS
877	1783.2	1878.2	WBS
878	1783.4	1878.4	WBS
879	1783.6	1878.6	WBS
880	1783.8	1878.8	WBS
881	1783.8	1879	WBS
882	1784.2	1879.2	WBS
883	1784.4	1879.4	WBS
884	1784.6 1784.8	1879.6 1879.8	WBS GB
885			

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			Frequency	/ channels a	re assigne	ed on a radi	o co-ordinat	ed basis w	ith other us	sers, i.e. cha	nnels that	are availab	le on a "per	link" ba
******	******	******								*****				
adioco	mmunicatio	n Study Gr	oup 9 mad	e editorial a	mendmer	nts to this R	tecommend	ation in 20	02 in acco	rdance with	Resolution	ITU-R 4	4.	
	hannelisatio	n												
)=2155			f0=2155	4== 141		f0=2155	475.50		f0=2155	475.50				
	ion = 175 M jap = 90 Mi			on = 175 MH ap = 90 MH			on = 175 MI ap = 90 MF			on = 175 MI ap = 90 MF				
	ing = 14 Mi			ap = 90 Mm ng = 7 MHz	ız		ap = 90 MF ng = 3.5 MF			ар = 90 iviг ng = 1.75 M				
л орио			on opaon			on opaon		-	on opasi					
Ch	Go	Return	Ch	Go	Return	Ch	Go	Return	Ch	Go	Return			
1	2032.5	2207.5	1	2029	2204	1	2027.25	2202.25	1	2026.375	2201.375			
2	2046.5	2221.5	2	2036	2211	2	2030.75	2205.75	2	2028.125	2203.125			
3	2060.5	2235.5	3	2043	2218	3	2034.25	2209.25	3	2029.875	2204.875			
4	2074.5	2249.5	4	2050	2225	4	2037.75	2212.75	4	2031.625				
5	2088.5	2263.5	5	2057	2232	5	2041.25	2216.25	5	2033.375				
6	2102.5	2277.5	6	2064	2239	6	2044.75	2219.75	6		2210.125			
			7	2071	2246	7	2048.25	2223.25	7	2036.875			-	
			8	2078	2253	8	2051.75	2226.75	8		2213.625			
			9 10	2085 2092	2260 2267	9 10	2055.25 2058.75	2230.25 2233.75	9 10	2040.375 2042.125				
			11	2092	2274	11	2058.75	2233.75	11	2042.125				-
			12	2106	2281	12	2065.75	2240.75	12		2220.625			
			12	2100	2201	13	2069.25	2244.25	13		2222.375			
						14	2072.75	2247.75	14	2049.125				
sers:						15	2076.25	2251.25	15	2050.875				
00.0.	Mbombela	Local Mur	nicipality			16	2079.75	2254.75	16	2052.625				
		Bay Titaniu				17	2083.25	2258.25	17	2054.375				
	SANDF	?				18	2086.75	2261.75	18	2056.125				
	SAPS	?				19	2090.25	2265.25	19	2057.875				
	Sky Conn	ect	?			20	2093.75	2268.75	20	2059.625	2234.625			
	Telkom					21	2097.25	2272.25	21	2061.375	2236.375			
	Transnet					22	2100.75	2275.75	22	2063.125	2238.125			
	Kaltrade	ch 6 temp	orary	ch1 Gauter	ng	23	2104.25	2279.25	23	2064.875	2239.875			
	SANSA					24	2107.75	2282.75	24	2066.625	2241.625			
									25	2068.375				
									26	2070.125				
									27	2071.875				
									28	2073.625				
									29	2075.375				
									30	2077.125				-
									31	2078.875				
									32 33	2080.625 2082.375				
									34	2084.125				
									35	2085.875				
									36	2087.625				
									37	2089.375				
									38	2091.125				
									39	2092.875				
									40	2094.625				
									41	2096.375				
									42	2098.125	2273.125			
									43	2099.875	2274.875			
									44	2101.625				
									45	2103.375				
									46	2105.125				
									47	2106 875	2281.875			

1.14.2 Licensing information for the applicable frequency allocation

See above for license information on specific bands

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1.15 Applicable Frequency Allocation and Band information 2500 MHz to 2655 MHz

MOBILE except aeronautical mobile

Frequency Band under investigation 2500 to 2655 MHz

IMT 2600 MTX 2500 to 2570 MHz paired with BTX 2620 to 2690 MHz

IMT 2600 TDD: 2570 to 2620 MHz

IMT 2600 BTX 2620 to 2690 MHz paired with MTX 2500 to 2570 MHz

IMT 2500 to 2690 MHz

1.15.1 Channel Plan for the Frequency Allocation

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j							paired F	ao i									
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į	ž	306				FDD syst to be mig	lens -up rated)	2 2	sys	ve Telko tems - do	ow n (8	OMHz)	88.5	MSS	8		
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•		CI	M MHz] [E WHe	33		N							a		
		ca) [_			N A	28 WHz		MHE	20	tz		a		
		ca	CB LIESAC	YORS	CIB TO MIE	S CIB	1	N	M Market		Q Z	3 M	tz		a		
			120 CDB	YORS	CIB TO MIE	S CIB	1	N	M Market		Q Z	3 M	tz				
	Ho	te .	CB LEEAC ALLOW	Y CIR'S	CIB TO ME	CB	0		CEB		Q Z	CIE	tr.				
	Ho	te .	CB LIESAC	Y CIR'S	CIB TO ME MIT MEL	CIB CIB LOUT	O HID=(1:4		Market 12 CIB	a la pair	Q Z	CIE	tr.	24616			
	Ho	te .	CB LEEAC ALLOW	Y CIR'S	CIB TO ME MIT MEL	CIB CIB LOUT	0		Market 12 CIB	a la pair	Q Z	CIE	tr.	24686			led
	Ho	te .	CB LEEAC ALLOW	Y CIR'S	TO ME	CONT.	O HID=(1:4	10 Life	CIB	a la pair	Q Z	CIE	tr.	24616			
	Ho	te .	CB LEEAC ALLOW	Y CIR'S	TO ME	CONT.	O FID=(1:si	10 Life	CIB	a la pair	Q Z	CIE	tr.	24634			

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1.16 Applicable Frequency Allocation and Band information 2655 MHz to 2690 MHz

MOBILE except aeronautical mobile

Radio astronomy

Frequency Band under investigation 2655 to 2690 MHz

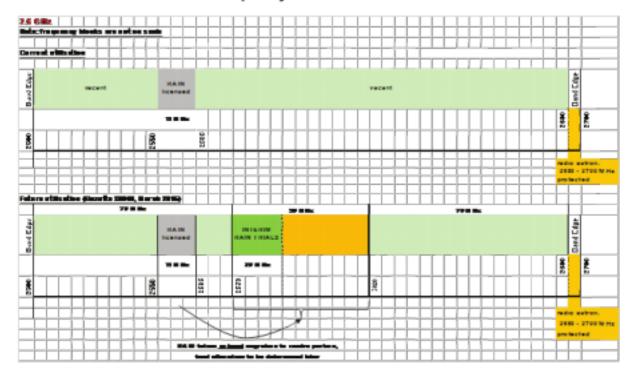
IMT 2600 BTX 2620 to 2690 MHz paired with MTX 2500 to 2570 MHz

IMT 2500 to 2690 MHz

IMT 2600 MTX 2500 to 2570 MHz paired with MTX 2620 to 2690 MHz

Telecommunication Roadmap GG No 38213 14 November 2014.

1.16.1 Channel Plan for the Frequency Allocation



1.16.2 Licensing information for the applicable frequency allocation

See above for more information

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1.17 Applicable Frequency Allocation and Band information 3300 MHz to 3600 MHz

Frequency Band under Investigation 3300 to 3400 MHz

RADIOLOCATION

Government Services

IMT Res. 223 (Rev WRC-15)

Subject to the outcome of the sharing and compatibility studies called for by Resolution 223 (WRC 15) currently underway within ITU-R, there might be a need to migrate Radars out of this band. This will be addressed through the update of the migration plan.

Frequency Band under investigation 3400 to 3600 MHz

FIXED

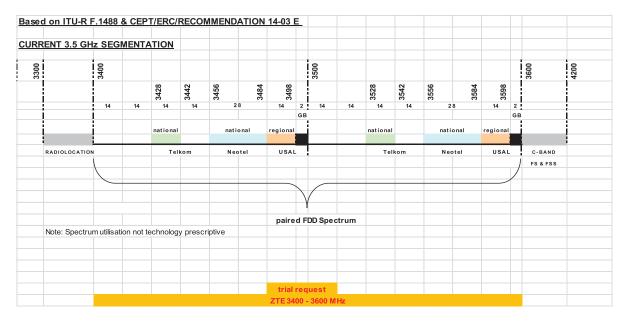
MOBILE

IMT3500 TDD: 3400 to 3600 MHz

International Mobile Telecommunications Roadmap (Government Gazette Number38213) 14 November 2014. Radio Frequency Assignment Plan (GG No 38640) as amender 30 March 2015. Recommendation ITU-R M. 1036. The band 3400 to 3600 MHz is also used for BFWA in some SADC countries.

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1.17.1 Channel Plan for the Frequency Allocation



1.17.2 Licensing information for the applicable frequency allocation

See above for more information

End///