



Government Gazette Staatskoerant

REPUBLIC OF SOUTH AFRICA
REPUBLIEK VAN SUID-AFRIKA

Vol. 517

Pretoria, 22 July
Julie 2008

No. 31264

PART 1 OF 2

N.B. The Government Printing Works will not be held responsible for the quality of "Hard Copies" or "Electronic Files" submitted for publication purposes



AIDS HELPLINE: 0800-0123-22 Prevention is the cure

CONTENTS

<i>No.</i>	<i>Page No.</i>	<i>Gazette No.</i>
------------	---------------------	------------------------

GENERAL NOTICE

Independent Communications Authority of South Africa

General Notice

890	Electronic Communications Act (36/2005): Intention to review the radio frequency band plan covering the range 9 KHz to 1 000 GHz.....	3	31264
-----	---	---	-------

GENERAL NOTICE

NOTICE 890 OF 2008

INDEPENDENT COMMUNICATIONS AUTHORITY OF SOUTH AFRICA (ICASA)

THE INDEPENDENT COMMUNICATIONS AUTHORITY OF SOUTH AFRICA HEREBY GIVES NOTICE OF ITS INTENTION TO REVIEW THE RADIO FREQUENCY BAND PLAN COVERING THE RANGE 9 KHz TO 1000GHz:

Notice is hereby given that the Independent Communications Authority of South Africa ("the Authority") intends to review the South African Table of Frequency Allocations (SATFA), in terms of section 34 (1) of the Electronic Communications Act (Act no. 36 of 2005). In light of the technological changes within the said spectrum across the globe and in an attempt to bring such changes in line with the latest World Radio Conference decisions ICASA has come to a conclusion that there is a need to review the South African Table of Frequency Allocations (SATFA) .



Interested persons are hereby invited to submit written representations on this draft review of SATFA, to be received by no later than 16H00 on the 29th August 2008 by post, hand delivery, fax and also in electronic format (Microsoft Word or Adobe PDF) for the attention of:

Fikile Moloja – RF Specialist
Independent Communications Authority of South Africa (ICASA)
Block A, ICASA, Pin Mill Farm,
164 Katherine Street,
Private Bag X10002,
Sandton
2146
Telephone (011)5663289 or 0798918950
Facsimile (011) 5663290;
E-mail : fmoloja@icasa.org.za

All representations and documents lodged with ICASA pursuant to this notice shall be open for public inspection by interested parties during the normal office hours of ICASA.

Representations and documents that ICASA considers to be confidential will not be available for public inspection. Persons submitting representations that they believe are confidential should indicate so clearly, together with their reasons for requesting confidentiality. ICASA may, on receiving such requests, determine that such documents shall not be open for public inspection. If a request for confidentiality is refused, the person making the request will be allowed to withdraw the document in question.

Persons submitting written representations are invited to indicate whether they would like to make an oral representation and state the estimated duration thereof (duration not to exceed one hour).

**PARIS MASHILE
CHAIRPERSON
INDEPENDENT COMMUNICATIONS AUTHORITY OF SOUTH AFRICA**

**DRAFT SOUTH AFRICAN TABLE OF FREQUENCY
ALLOCATIONS**

**INDEPENDENT COMMUNICATIONS AUTHORITY OF SOUTH
AFRICA**

2008

TABLE OF CONTENTS

LEGISLATIVE FRAMEWORK	2
BACKGROUND TO THE SOUTH AFRICAN TABLE OF ALLOCATIONS	4
THE STRUCTURE OF THE SOUTH AFRICA TABLE OF ALLOCATIONS.....	6
TABLE OF FREQUENCY ALLOCATIONS.....	8
PART A: 9 kHz - 30 MHz.....	9
PART B: 30 MHz - 390 MHz.....	36
PART C: 390 MHz - 890 MHz	56
PART D: 890 MHz - 1000 GHz.....	67
ANNEX A: SOUTH AFRICAN NATIONAL FOOTNOTES	A
ANNEX B: TERMS AND DEFINITION	B
ANNEX C: LIST OF ACRONYMS.....	C

LEGISLATIVE FRAMEWORK

The aim of the Electronic Communications Act No. 36 of 2005 (the Act); is to promote convergence in the telecommunications, broadcasting and broadcasting signal distribution sectors and to provide the legal framework for convergence of these sectors; to make new provisions for the regulation of electronic communications services, electronic communications network services and broadcasting services; to provide the granting of new licenses and new social obligations; to provide for the control of the radio frequency spectrum; to provide for the continued existence of the Universal Service Agency and the Universal Service Fund; and to provide for matters incidental thereto.

In carrying out its functions under the Act and the related legislation, the Authority controls, plans, administers and manages the use and licensing of the radio frequency spectrum as prescribed by the Act.

No person may transmit any signal by radio or use radio apparatus to receive any signal by radio except under and in accordance with a radio frequency spectrum license granted by the Authority to such person in terms of this Act.

A radio frequency spectrum license is required in addition to any service license contemplated in Chapter 3 of the Act, where the use of such service entails the use of radio frequency spectrum. The Authority may, taking into account the objects of the Act, prescribe procedures and criteria for awarding radio frequency spectrum licenses for competing applications or instances where there is insufficient spectrum available to accommodate demand.

No person may use, supply, sell, offer for sale or lease or hire any type of electronic communications equipment or electronic communications facility, including radio apparatus, used or to be used in connection with the provision of electronic communications, unless such equipment, electronic communications facility or radio apparatus has been approved by the Authority.

The Authority may, subject to provisions of the Standard Act, 1993 (Act No. 29 of 1993), prescribe standards for the performance and operation of any equipment or electronic communications facility, including radio apparatus.

The Authority licenses radio frequency spectrum in accordance with the provisions of the Act. The normal procedure for applying for spectrum and all other related information can be found on the Authority's website by logging on to www.icasa.org.za.

In terms of Section 34 of the Act, the Authority is mandated to prepare the National Radio Frequency Plan. The Authority will continuously give due regard, as mandated by the Act, to the radio frequency spectrum allocated by the Minister for the exclusive use of the security services, taking into account the

government's current and planned use of radio frequency spectrum, including but not limited to, civil aviation, aeronautical services and scientific research.

The information contained in this document is made available by the Independent Communications Authority of South Africa (ICASA) on the understanding that it is for information and enforcement purposes. It is not intended to form the basis of any investment decisions and should not be considered as a recommendation by the Authority to participate in any tender for the allocation of radio spectrum. Recipients of this document in any format should consult their own professional financial, legal or other advice in order to make an independent assessment of the potential value of any allocation of radio spectrum by what ever means applicable.

BACKGROUND TO THE SOUTH AFRICAN TABLE OF ALLOCATIONS

There have been tremendous developments in the Information Communications Telecommunications (ICT) Sector of the Republic of South Africa since the last publication of the South African Table of Frequency Allocations in 2004. These developments include the repealing of the Telecommunications Act (Act No. 103 of 1996) and the introduction of the Electronic Communications Act (ECA) (Act No. 36 of 2005).

Further, the pattern of radio use is not static. It is continuously evolving to reflect 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 continuous review.

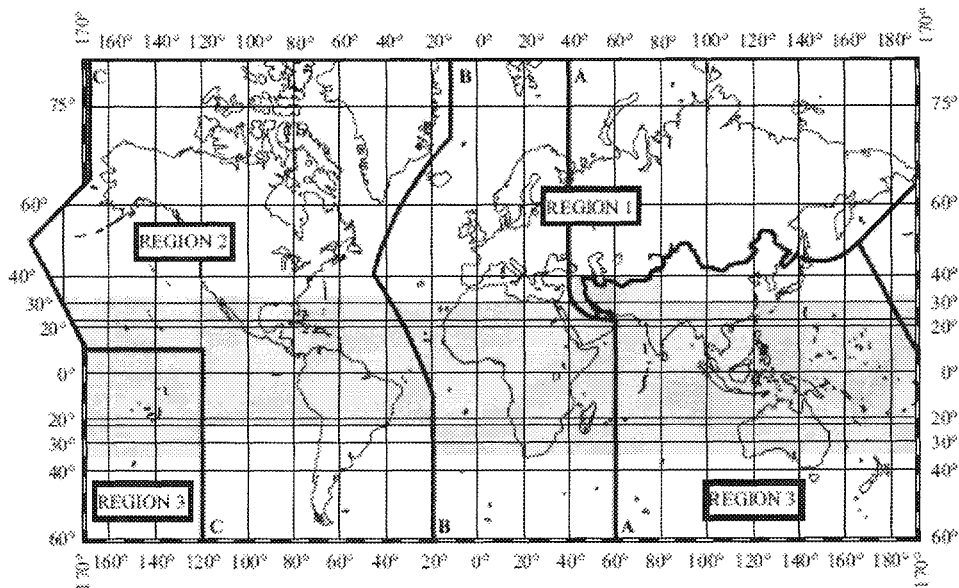
This publication of the Revised South African Table of Frequency Allocations is part of the programme to extend and update information being made available to the public and is aimed at current users, potential users and investors in Electronic Communication sector in the Republic of South Africa. It outlines the types of Radiocommunication services permitted in each frequency band together with some notes on future developments. It takes into account International, Regional and bilateral agreements on Radio Spectrum entered into, up to the end of World Radiocommunications Conference 2007.

This revision covers the following:

- The extension of the table to cover the range 9 kHz to 1000 GHz. Previously the range was 20 MHz to 70 GHz.
- The alignment of the tenor of the table with the Act and related legislation.
- The update of the table with changes made by WRC 97, WRC 2000, WRC03, and WRC-07. In particular, national footnotes regarding IMT have been added.
- Allocation of spectrum that was previously reserved.
- Making spectrum available for new technologies and services.
- Increasing the amount of spectrum available for Mobile services and aligning land mobile sub-bands in the VHF with the rest of ITU Region 1.

Alignment with ITU Radio Region 1

For the purposes of allocating frequencies, the ITU has divided the world into three Regions as shown on the following map;



The Republic of South Africa falls under ITU Region 1 and thus aligns its frequency allocations with those specified for ITU Region 1 in the ITU Radio Regulations as required by the ECA.

Further information on the South African Table of Frequency Allocations and its interpretation can be obtained by contacting:

Independent Communications Authority of South Africa [ICASA]
Pin Mill Farm
164 Katherine Street.
Sandton
2146
Phone +27 11 566 3000
Fax +27 11 566 3292
URL: <http://www.icasa.org.za>
E-mail: info@icasa.org.za

THE STRUCTURE OF THE SOUTH AFRICA TABLE OF ALLOCATIONS

The Table lists all the allocations in the radio frequency spectrum in the Republic of South Africa. It covers the frequency range 9 kHz to 1000 GHz. For each frequency range, it lists types of Radiocommunications services that are permitted.

Column 1 - ITU Region 1 Allocations

The ITU Radio Regulations divides the spectrum into frequency bands with the allocation of **primary** and **secondary services**. Services with the names printed in "capitals" (example: FIXED) are "primary" services; and those with the names printed in "normal characters" (example: Mobile) are "secondary" services.

The frequency band referred to in each allocation is indicated in the left hand top corner of the part of the Table concerned.

The order of listing does not indicate relative priority within each category.

The ITU-R footnote references which appear in the Table below the allocated service or services apply to more than one of the allocated services, or to the whole of the allocation concerned.

The ITU-R footnote references which appear to the right of the name of a service are applicable only to that particular service.

Secondary services are on a non-interference basis (NIB) to the primary services. Stations of a secondary service:

- i. shall not cause harmful interference to stations of primary services to which frequencies are already assigned or to which frequencies may be assigned at a later date;
- ii. cannot claim protection from harmful interference from stations of a primary service to which frequencies are already assigned or may be assigned at a later date;
- iii. can claim protection, however, from harmful interference from stations of the secondary service(s) to which frequencies may be assigned at a later date.

Column 2 - South African (SA) Allocations

This column indicates the range of frequencies associated with the main allocations, once again divided into Primary and Secondary Services. This column contains only those services currently used in South Africa.

Column 3 - Applications

This column indicates frequency utilisation for existing or new systems relating to the South African allocations. It is not an all-inclusive list of applications, but serves as a quick reference of spectrum availability for service/equipment applications.

Column 4 - Notes and Comments

This column indicates items such as the following: Government Gazette Notices pertinent to specific frequency bands, future requirements in specific bands, and ITU Recommendations, which require implementation.

Frequencies

Frequencies are expressed as follows:

- in kilohertz (kHz), up to and including 3 000 kHz;
- in megahertz (MHz), above 3 MHz, up to and including 3 000 MHz;
- in gigahertz (GHz), above 3 GHz, up to and including 300 GHz.

Table 1: Band Segmentation

Symbols	Frequency Range
VLF	9 kHz – 30 kHz
LF	30 kHz – 300 kHz
MF	300 kHz – 3 MHz
HF	3 MHz – 30 MHz
VHF	30 MHz – 300 MHz
UHF	300 MHz – 3 GHz
SHF	3 GHz – 30 GHz
EHF	30 GHz - 300 GHz
	300 GHz – 1000 GHz

TABLE OF FREQUENCY ALLOCATIONS

PART A: 9 kHz - 30 MHz**9 - 110 kHz**

ITU Region 1 Allocations	South African Allocations	Applications	Comments
Below 9 (Not allocated) 5.53 5.54	(Not Allocated) 5.53 5.54		
9 - 14.00 RADIONAVIGATION	RADIONAVIGATION	Nav. Aids	
14.00 - 19.95 FIXED MARITIME MOBILE 5.57 5.55 5.56	FIXED NF1 MARITIME MOBILE 5.57 5.56	Coast Radio Telegraph Stations	
19.95 - 20.05 STANDARD FREQUENCY AND TIME SIGNAL (20 kHz)	STANDARD FREQUENCY AND TIME SIGNAL (20 kHz)		
20.05 - 70 FIXED MARITIME MOBILE 5.57 5.56 5.58	FIXED NF1 MARITIME MOBILE 5.57 5.56	Coast Radio Telegraph Stations 59.75 - 60.25 kHz Inductive Loop System including RFID	Government Gazette No 31127, Notice No 713 Of 2008 refers.
70 - 72 RADIONAVIGATION 5.60	RADIONAVIGATION 5.60	Nav. Aids 70 - 119 kHz Inductive Loop System including RFID	Government Gazette No 31127, Notice No 713 Of 2008 refers.

72 – 84 FIXED MARITIME MOBILE 5.57 RADIONAVIGATION 5.60 5.56	FIXED NF1 MARITIME MOBILE 5.57 RADIONAVIGATION 5.60 RADIONAVIGATION 5.60 5.56	Coast Radio Telegraph Stations Nav. Aids	
84 – 86 RADIONAVIGATION 5.60	RADIONAVIGATION 5.60	Nav. Aids	
86 – 90 FIXED MARITIME MOBILE 5.57 RADIONAVIGATION 5.56	FIXED NF1 MARITIME MOBILE 5.57 RADIONAVIGATION 5.56	Coast Radio Telegraph Stations	
90 – 110 RADIONAVIGATION 5.62 Fixed	RADIONAVIGATION 5.62 Fixed NF1	Nav. Aids	

110 - 255 kHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
110 – 112 FIXED MARITIME MOBILE RADIONAVIGATION	FIXED NF1 MARITIME MOBILE RADIONAVIGATION	Coast Radio Telegraph Stations	
112 – 115 RADIONAVIGATION 5.60	RADIONAVIGATION 5.60	Nav Aids	
115 - 117.6 RADIONAVIGATION 5.60 Fixed Maritime mobile 5.66	RADIONAVIGATION 5.60 Fixed NF1 Maritime Mobile	Nav Aids Coast Radio Telegraph Stations	
117.6 – 126 FIXED MARITIME MOBILE RADIO NAVIGATION 5.60	FIXED NF1 MARITIME MOBILE RADIONAVIGATION 5.60 RADIO NAVIGATION 5.60	Coast Radio Telegraph Stations Nav Aids 119 - 135 kHz Inductive Loop System including RFID	Government Gazette No 31127, Notice No 713 Of 2008 refers.
126 – 129 RADIONAVIGATION 5.60	RADIONAVIGATION 5.60	Nav Aids	
129 – 130 FIXED MARITIME MOBILE RADIONAVIGATION 5.60	FIXED NF1 MARITIME MOBILE RADIONAVIGATION 5.60	Coast Radio Telegraph Stations Nav Aids	

130 – 135.7 FIXED MARITIME MOBILE 5.67	FIXED NF1 MARITIME MOBILE	Coast Radio Telegraph Stations	
135.7 – 137.8 FIXED MARITIME MOBILE Amateur 5.4C03 5.67 5.4C04	FIXED NF1 MARITIME MOBILE Amateur 5.4C03	Coast Radio Telegraph Stations Amateur Radio Communication	License Class A1 as per the Amateur Radio Regulations
137.8 – 148.5 FIXED MARITIME MOBILE 5.64 5.67	FIXED NF1 MARITIME MOBILE 5.64		
148.5 – 255 BROADCASTING 5.68 5.69 5.70	FIXED NF1 5.68 AERONAUTICAL RADIONAVIGATION 5.70		

200 - 495 kHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
255 - 283.5 BROADCASTING AERONAUTICAL RADIONAVIGATION 5.70 5.70 5.71	AERONAUTICAL RADIONAVIGATION 5.70	Nav. Aids	
283.5 – 315 AERONAUTICAL RADIONAVIGATION MARITIME RADIONAVIGATION (radiobeacons) 5.73 5.73 5.72 5.74	AERONAUTICAL RADIONAVIGATION MARITIME RADIONAVIGATION (radiobeacons) 5.73 5.74	Coast Radio Telegraph Stations	
315 – 325 AERONAUTICAL RADIONAVIGATION Maritime Radionavigation (Radiobeacons) 5.73 5.74 5.72	AERONAUTICAL RADIONAVIGATION Maritime Radionavigation (Radiobeacons) 5.73 5.74	Nav. Aids Coast Radio Telegraph Stations Radionavigation	
325 – 405 AERONAUTICAL RADIONAVIGATION 5.72	AERONAUTICAL RADIONAVIGATION		
405 – 415 RADIONAVIGATION 5.76 5.72	RADIONAVIGATION 5.76	Nav Aids	

415 – 435 MARITIME MOBILE 5.79 AERONAUTICAL RADIONAVIGATION 5.72	MARITIME MOBILE 5.79 AERONAUTICAL RADIONAVIGATION	Maritime Radio Telegraphy	
435 – 495 MARITIME MOBILE 5.79 5.79A Aeronautical Radionavigation 5.72 5.82	MARITIME MOBILE 5.79 5.79A Aeronautical Radionavigation 5.82	Maritime Radiotelegraphy	Navtex service on 490 kHz
495 – 505 MOBILE 5.79B 5.4C01	MOBILE 5.79B 5.4C01	Distress and Calling	
505 526.5 MARITIME MOBILE 5.79 5.79A 5.84 AERONAUTICAL RADIONAVIGATION 5.72	MARITIME MOBILE 5.79 5.79A 5.84 AERONAUTICAL RADIONAVIGATION	Maritime Radiotelegraphy	Navtex Service on 518 kHz (actively used in RSA) Articles 31 and 32 for conditions of use refer
526.5 - 1 606.5 BROADCASTING 5.87 5.87A	BROADCASTING Mobile 5.87	MW Sound Broadcasting 535.5 - 1606.5 kHz	
1 606.5 - 1 625 FIXED MARITIME MOBILE 5.90 LAND MOBILE 5.92	FIXED NF1 MARITIME MOBILE 5.90 LAND MOBILE 5.920	DCS (GMDSS) NBDP for coast stations Land Mobile	

1 626 - 2 194 kHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
1 625 - 1 635 RADIOLOCATION 5.93	RADIOLOCATION	Nav Aids	
1 635 - 1 800 FIXED MARITIME MOBILE 5.90 LAND MOBILE 5.92 5.96	FIXED NF1 MARITIME MOBILE 5.90 LAND MOBILE 5.920	Maritime Radio Telephony	
1 800 - 1 810 RADIOLOCATION 5.93	RADIOLOCATION	Nav Aids	
1 810 - 1 850 AMATEUR 5.98 5.99 5.100 5.101	AMATEUR	Amateur Radio Communication	License Class A1 as per the Amateur radio Regulations
1 850 - 2 000 FIXED MOBILE except Aeronautical Mobile 5.92 5.96 5.103	FIXED NF1 MOBILE except Aeronautical Mobile 5.920 5.103	Maritime Mobile Applications	1850 - 1950 is used for Maritime Coast Stations, 1950 - 2045 is used by ship stations SSB Radio Telephony
2 000 - 2 025 FIXED MOBILE except Aeronautical Mobile (R) 5.92 5.103	FIXED NF1 MOBILE except Aeronautical Mobile (R) 5.920 5.103		
2 025 - 2 045 FIXED MOBILE except Aeronautical Mobile (R) Meteorological aids 5.104 5.92 5.103	FIXED NF1 MOBILE except Aeronautical Mobile (R) Meteorological aids 5.104 5.920 5.103	HF Radar	

2 045 – 2 160 FIXED MARITIME MOBILE LAND MOBILE 5.92	FIXED NF1 MARITIME MOBILE LAND MOBILE 5.920	DSC (GMDSS), Radio Telephony, NBDP	
2 160 - 2 170 RADIOLOCATION 5.93 5.107	RADIOLOCATION	Nav Aids	
2 170 – 2 173.5 MARITIME MOBILE	MARITIME MOBILE	NBDP, Distress Watchkeeping	
2 173.5 - 2 190.5 MOBILE (Distress and Calling) 5.108 5.109 5.110 5.111	MOBILE (Distress and Calling) 5.108 5.109 5.110 5.111	Distress and Calling	
2 190.5 - 2 194 MARITIME MOBILE	MARITIME MOBILE	Radiotelephony supplementary	Radiotelephony distress Watchkeeping on 2191 kHz

2 194 - 3 230 kHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
2 194 - 2 300 FIXED MOBILE except Aeronautical Mobile (R) 5.92 5.103 5.112	FIXED NF1 MOBILE except Aeronautical Mobile (R) 5.920 5.103		
2 300 - 2 498 FIXED MOBILE except Aeronautical Mobile (R) BROADCASTING 5.113 5.103	FIXED NF1 MOBILE except Aeronautical Mobile (R) BROADCASTING 5.113 5.103	Land Mobile and Maritime Applications Sound Broadcasting	
2 498 - 2 501 STANDARD FREQUENCY AND TIME SIGNAL (25 00 kHz)	STANDARD FREQUENCY AND TIME SIGNAL (25 00 kHz)		
2 501 - 2 502 STANDARD FREQUENCY AND TIME SIGNAL Space Research	STANDARD FREQUENCY AND TIME SIGNAL Space Research		
2 502 - 2 625 FIXED MOBILE except Aeronautical Mobile (R) 5.92 5.103 5.114	FIXED NF1 MOBILE except Aeronautical Mobile (R) 5.920 5.103	Land Mobile Applications	
2 625 - 2 650 MARITIME MOBILE MARITIME RADIONAVIGATION 5.92	MARITIME MOBILE MARITIME RADIONAVIGATION 5.920	SSB Radiotelephony and Maritime Radionavigation. Maritime Mobile BUOYS	

2 650 - 2 850 FIXED MOBILE except Aeronautical Mobile (R) 5.92 5.103	FIXED NF1 MOBILE except Aeronautical Mobile (R) 5.920 5.103	Point to Point Communications	
2 850 - 3 025 AERONAUTICAL MOBILE (R) 5.111 5.115	AERONAUTICAL MOBILE (R) 5.111 5.115	Aeronautical Applications	
3 025 - 3 155 AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)		
3 155 - 3 200 FIXED MOBILE except Aeronautical Mobile (R) 5.116 5.117	FIXED NF1 MOBILE except Aeronautical Mobile (R) 5.116		
3 200 - 3 230 FIXED MOBILE except Aeronautical Mobile (R) BROADCASTING 5.113 5.116	FIXED NF1 MOBILE except Aeronautical Mobile (R) BROADCASTING 5.113 5.116	HF Sound Broadcasting	

3 230 - 4 850 kHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
3 230 - 3 400 FIXED MOBILE except aeronautical Mobile BROADCASTING 5.113 5.116 5.118	FIXED NF1 MOBILE except aeronautical Mobile BROADCASTING 5.113 5.116	HF Sound Broadcasting	
3 400 - 3 500 AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)		
3 500 - 3 800 AMATEUR FIXED MOBILE except Aeronautical Mobile 5.92	AMATEUR FIXED NF1 MOBILE except Aeronautical Mobile [5.92]	Amateur Radio Communications	License Class A1,A2,B as per the Amateur Radio Regulations
3 800 - 3 900 FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE	FIXED NF1 AERONAUTICAL MOBILE (OR) LAND MOBILE		
3 900 - 3 950 AERONAUTICAL MOBILE (OR) 5.123	AERONAUTICAL MOBILE (OR) BROADCASTING 5.123		
3 950 - 4 000 FIXED BROADCASTING	FIXED NF1 BROADCASTING	HF Sound Broadcasting	

4 000 - 4 063 FIXED MARITIME MOBILE 5.127 5.126	FIXED NF1 MARITIME MOBILE 5.127	Ship Stations Radiotelephony	
4 063 - 4 438 MARITIME MOBILE 5.79A 5.109 5.110 5.130 5.131 5.132 5.128	MARITIME MOBILE 5.79A 5.109 5.110 5.128 5.130 5.131 5.132		
4 438 - 4 650 FIXED MOBILE except Aeronautical Mobile (R)	FIXED NF1 MOBILE except Aeronautical Mobile (R)		
4 650 - 4 700 AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)		
4 700 - 4 750 AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)		
4 750 - 4 850 FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE BROADCASTING 5.113	FIXED NF1 AERONAUTICAL MOBILE (OR) LAND MOBILE BROADCASTING 5.113	HF Sound Broadcasting	

4 850 - 6 765 kHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
4 850 - 4 995 FIXED LAND MOBILE BROADCASTING 5.113	FIXED NF1 LAND MOBILE BROADCASTING 5.113	HF Sound Broadcasting	
4 995 - 5 003 STANDARD FREQUENCY AND TIME SIGNAL (5 000 kHz)	STANDARD FREQUENCY AND TIME SIGNAL (5 000 kHz)		
5 003 - 5 005 STANDARD FREQUENCY AND TIME SIGNAL Space Research	STANDARD FREQUENCY AND TIME SIGNAL Space Research		
5 005 - 5 060 FIXED BROADCASTING 5.113	FIXED NF 1 BROADCASTING 5.113	HF Sound Broadcasting	
5 060 - 5 250 FIXED Mobile except Aeronautical Mobile 5.133	FIXED NF1 Mobile except Aeronautical Mobile		
5 250 - 5 450 FIXED MOBILE except Aeronautical Mobile	FIXED NF1 MOBILE except Aeronautical Mobile		
5 450 - 5 480 FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE	FIXED NF 1 AERONAUTICAL MOBILE (OR) LAND MOBILE		

5 480 - 5 680 AERONAUTICAL MOBILE (R) 5.111 5.115	AERONAUTICAL MOBILE (R) 5.111 5.115		
5 680 - 5 730 AERONAUTICAL MOBILE (OR) 5.111 5.115	AERONAUTICAL MOBILE (OR) 5.111 5.115		
5 730 - 5 900 FIXED LAND MOBILE	FIXED NF1 LAND MOBILE		
5 900 - 5 950 BROADCASTING 5.134 Fixed 5.136 Land Mobile 5.136	BROADCASTING 5.134 Fixed 5.136 NF1 Land Mobile 5.136	HF Sound Broadcasting	
5 950 - 6 200 BROADCASTING	BROADCASTING	HF Sound Broadcasting	
6 200 - 6 525 MARITIME MOBILE 5.109 5.110 5.130 5.132 5.137	MARITIME MOBILE 5.109 5.110 5.130 5.132 5.137	DSC (GMDSS) Distress Watchkeeping on 6312 kHz. Ship to shore radiotelephony. Inter-ship Cross Band	Distress Watchkeeping in Appendix 15 of the Maritime Safety Information. Radiotelephony Distress Channel on 6215/6516. Channelized in Appendix 17
6 525 - 6 685 AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)		
6 685 - 6 765 AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)		

6 765 - 9 900 kHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
6 765 - 7 000 FIXED MOBILE except Aeronautical mobile (R) 5.138 5.138A 5.139	FIXED NF1 MOBILE except Aeronautical mobile (R) 5.138 5.138A		
7 000 - 7 100 AMATEUR AMATEUR-SATELLITE 5.140 5.141 5.141A	AMATEUR AMATEUR-SATELLITE	Amateur Radio Communication	License Class A1,A2,B as per the Amateur Radio Regulations
7 100 - 7 200 AMATEUR 5.141A 5.141B 5.142 5.141C	AMATEUR 5.142	Amateur Radio Communication	License Class A1,A2,B as per the Amateur Radio Regulations
7 200 - 7 300 BROADCASTING	BROADCASTING	HF Sound Broadcasting	
7 300 - 7 400 BROADCASTING 5.143 5.143A 5.143B 5.143C 5.143D	FIXED (NIB to Broadcasting) 5.143 NF1 Land Mobile (NIB) to Broadcasting 5.143 5.143B	HF Single Side Band - Sound Broadcasting	
7 400 - 7 450 BROADCASTING 5.143B 5.143C	FIXED (NIB to Broadcasting) 5.143B NF1		
7 450 - 8 100 FIXED MOBILE Except Aeronautical mobile(R) 5.143 E 5.144	FIXED NF1 MOBILE Except Aeronautical mobile (R) 5.143 5.144		

8 100 – 8 195 FIXED MARITIME MOBILE	FIXED NF1 MARITIME MOBILE		
8 195 – 8 815 MARITIME MOBILE 5.109 5.110 5.132 5.145 5.111	MARITIME MOBILE 5.109 5.110 5.132 5.145 5.111	DSC (GMDSS) Distress Watchkeeping on 8414.5 kHz. Radiotelephony Distress on 8291 kHz. Ship to Shore Radiotelephony. Inter- ship Cross Band	Distress Watchkeeping Channelized in Appendix 15 of the Maritime Safety Information. Channelized in Appendix 17.
8 815 – 8 965 AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)		
8 965-9 040 AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)		
9 040 - 9 400 FIXED	FIXED NF1		
9 400 - 9 500 BROADCASTING 5.134 5.146	BROADCASTING 5.134 5.146	HF Single Side Band- Sound Broadcasting	
9 500 - 9 900 BROADCASTING 5.147	BROADCASTING 5.147	HF Single Side Band- Sound Broadcasting	

9 900 - 13 360 kHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
9 900 - 9 995 FIXED	FIXED NF1		
9 995 - 10 003 STANDARD FREQUENCY AND TIME SIGNAL (10 000 kHz) 5.111	STANDARD FREQUENCY AND TIME SIGNAL (10 000 kHz) 5.111		
10 003 - 10 005 STANDARD FREQUENCY AND TIME SIGNAL (10 000 kHz) Space Research 5.111	STANDARD FREQUENCY AND TIME SIGNAL (10 000 kHz) Space Research 5.111	Passive Sensing and Radio Astronomy	
10 005 - 10 100 AERONAUTICAL MOBILE (R) 5.111 10 100 - 10 150 FIXED Amateur	AERONAUTICAL MOBILE (R) 5.111 FIXED NF1 Amateur	Amateur Radio Communication	License Class A1 as per the Amateur Radio Regulations
10 150 - 11 175 FIXED Mobile except Aeronautical Mobile (R)	FIXED NF1 Mobile except Aeronautical Mobile (R)		
11 175 - 11 275 AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)		
11 275 - 11 400 AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)		

11 400 - 11 600 FIXED	FIXED NF1		
11 600-11 650 BROADCASTING 5.134 5.146	BROADCASTING 5.134 5.146	HF Single Side Band- Sound Broadcasting	
11 650 - 12 050 BROADCASTING 5.147	BROADCASTING 5.147	HF Sound Broadcasting	
12 050 - 12 100 BROADCASTING 5.134 5.146	BROADCASTING 5.134 5.146	HF Single Side Band- Sound Broadcasting	
12 100 - 12 230 FIXED	FIXED NF1		
12 230 - 13 200 MARITIME MOBILE 5.109 5.110 5.132 5.145	MARITIME MOBILE 5.109 5.110 5.132 5.145		
13 200 - 13 260 AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)		
13 260 - 13 360 AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)		

13 360 - 15 800 kHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
13 360 - 13 410 FIXED RADIO ASTRONOMY 5.149	FIXED NF1 RADIO ASTRONOMY NF2 5.149		
13 410 - 13 570 FIXED Mobile except Aeronautical Mobile (R) 5.150	FIXED NF1 Mobile except Aeronautical Mobile (R) 5.150	13 553 - 13 567 kHz RFID and EAS Systems only	Government Gazette No 31127, Notice No 713 Of 2008 refers.
13 570 - 13 600 BROADCASTING 5.134 5.151	BROADCASTING 5.134 5.151	HF Single Side Band- Sound Broadcasting	
13 600 - 13 800 BROADCASTING	BROADCASTING	HF Sound Broadcasting	
13 800 - 13 870 BROADCASTING 5.134 5.151	BROADCASTING 5.134 5.151	HF Single Side Band- Sound Broadcasting	
13 870 - 14 000 FIXED Mobile except Aeronautical Mobile (R)	FIXED NF1 Mobile except Aeronautical Mobile (R)		
14 000 - 14 250 AMATEUR AMATEUR-SATELLITE	AMATEUR AMATEUR-SATELLITE	Amateur Radio Communication	License Class A1 and A2 as per the Amateur Radio Regulations

14 250 - 14 350 AMATEUR 5.152	AMATEUR	Amateur Radio Communication	License Class A1, A2 as per the Amateur Radio Regulations
14 350 - 14 990 FIXED Mobile except Aeronautical Mobile (R)	FIXED NF1 Mobile except Aeronautical Mobile (R)		
14 990 - 15 005 STANDARD FREQUENCY AND TIME SIGNAL (15 000 kHz) 5.111	STANDARD FREQUENCY AND TIME SIGNAL (15 000 kHz) 5.111		
15 005 - 15 010 STANDARD FREQUENCY AND TIME SIGNAL Space Research	STANDARD FREQUENCY AND TIME SIGNAL Space Research		
15 010 - 15 100 AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)		
15 100 - 15 600 BROADCASTING	BROADCASTING	HF Sound Broadcasting	
15 600 - 15 800 BROADCASTING 5.134 5.146	BROADCASTING 5.134 5.146	HF Single Side Band- Sound Broadcasting	

15 800 - 19 995 kHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
15 800 - 16 360 FIXED	FIXED NF1		
16 360 - 17 410 MARITIME MOBILE 5.109 5.110 5.132 5.145	MARITIME MOBILE 5.109 5.110 5.132 5.145	DSC (GMDSS) Distress Watchkeeping on 16804.5 kHz. Radio Telephony Distress Watch on 16 240 kHz. Ship Station Radio Telegraphy	Distress Watchkeeping Channelized in Appendix 15 of the Maritime Safety Information. Channelized in Appendix 17.
17 410 - 17 480 FIXED	FIXED NF1		
17 480 - 17 550 BROADCASTING 5.134 5.146	BROADCASTING 5.134 5.146	HF Single Side Band-Sound Broadcasting	
17 550 - 17 900 BROADCASTING	BROADCASTING	HF Sound Broadcasting	
17 900 - 17 970 AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)		
17 970 - 18 030 AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)		
18 030 - 18 052 FIXED	FIXED NF1		
18 052 - 18 068 FIXED Space research	FIXED NF1 Space research		
18 068 - 18 168 AMATEUR AMATEUR-SATELLITE	AMATEUR AMATEUR-SATELLITE	Amateur Radio Communication	License Class A1 as per the Amateur Radio Regulations

18 168 - 18 780 FIXED Mobile except Aeronautical Mobile	FIXED NF1 Mobile except Aeronautical Mobile		
18 780 - 18 900 MARITIME MOBILE	MARITIME MOBILE		
18 900 - 19 020 BROADCASTING 5.134 5.146	BROADCASTING 5.134 5.146	HF Single Side Band- Sound Broadcasting	
19 020 - 19 680 FIXED	FIXED NF1		
19 680 - 19 800 MARITIME MOBILE 5.132	MARITIME MOBILE 5.132	Radiotelephony	Appendix 17 of Maritime Safety Information
19 800 - 19 990 FIXED	FIXED NF1		
19 990 - 19 995 STANDARD FREQUENCY AND TIME SIGNAL Space Research 5.111	STANDARD FREQUENCY AND TIME SIGNAL Space Research 5.111		

19 995 - 25 005 kHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
19 995 - 20 010 STANDARD FREQUENCY AND TIME SIGNAL (20 000 kHz)	STANDARD FREQUENCY AND TIME SIGNAL (20 000 kHz)		
20 010 - 21 000 FIXED Mobile	FIXED NF1 Mobile		
21 000 - 21 450 AMATEUR AMATEUR-SATELLITE	AMATEUR AMATEUR-SATELLITE	Amateur Radio Communication	License Class A1 and A2 as per the Amateur Radio Regulations
21 450 - 21 850 BROADCASTING	BROADCASTING	HF Sound Broadcasting	
21 850 - 21 870 FIXED 5.155A 5.155	FIXED NF1		
21 870 - 21 924 FIXED 5.155B	FIXED 5.155B NF1		
21 924 - 22 000 AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)		
22 000 - 22 855 MARITIME MOBILE 5.132 5.156	MARITIME MOBILE 5.132		
22 855 - 23 000 FIXED 5.156	FIXED NF1		
23 000 - 23 200 FIXED Mobile except Aeronautical mobile (R) 5.156	FIXED NF1 Mobile except Aeronautical mobile (R)		

23 200 - 23 350 FIXED 5.156A AERONAUTICAL MOBILE (OR) AERONAUTICAL MOBILE (OR)	FIXED 5.156A NF1 AERONAUTICAL MOBILE (OR)		
23 350 - 24 000 FIXED MOBILE except Aeronautical mobile 5.157	FIXED MOBILE except Aeronautical mobile 5.157		
24 000 - 24 890 FIXED LAND MOBILE	FIXED NF1 LAND MOBILE		
24 890 - 24 990 AMATEUR AMATEUR-SATELLITE	AMATEUR AMATEUR-SATELLITE	Amateur Radio Communication	License Class A1 as per the Amateur Radio Regulations
24 990 - 25 005 STANDARD FREQUENCY AND TIME SIGNAL (25 000 kHz)	STANDARD FREQUENCY AND TIME SIGNAL (25 000 kHz)		

25 005 kHz - 30 010 kHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
25 005 - 25 010 STANDARD FREQUENCY AND TIME SIGNAL Space Research	STANDARD FREQUENCY AND TIME SIGNAL Space Research		
25 010 - 25 070 FIXED MOBILE except Aeronautical Mobile	FIXED NF1 MOBILE except Aeronautical mobile		
25 070 - 25 210 MARITIME MOBILE	MARITIME MOBILE		
25 210 - 25 550 FIXED MOBILE except Aeronautical Mobile	FIXED NF1 MOBILE except Aeronautical mobile		
25 550 - 25 670 RADIO ASTRONOMY 5.149	RADIO ASTRONOMY NF2 5.149		
25 670 - 26 100 BROADCASTING	BROADCASTING	HF Sound Broadcasting	
26 100 - 26 175 MARITIME MOBILE 5.132	MARITIME MOBILE 5.132		

26 175 - 27 500	MOBILE except Aeronautical Mobile FIXED 5.150	MOBILE except Aeronautical mobile FIXED NF1 5.150	Single Frequency Mobile 26.175 – 27.5 MHz Inductive loop system 26.957-27.283 MHz Non-specific SRD's 26.957-27.283 MHz Surface model control 26.99-27.20 MHz 27.283 MHz surface mode control 26.99 - 27.20 MHz	Includes Frequency Assignments for low power paging in 26.957 27.283 and CB radio in 27.184 - 27.275 Government Gazette No. 26193, Notice 533 of 24 March 2004 refers
27 500 - 28 000	METEOROLOGICAL AIDS FIXED MOBILE	METEOROLOGICAL AIDS [FIXED] MOBILE	Radio Sounding	
28 000- 29 700	AMATEUR AMATEUR-SATELLITE	AMATEUR AMATEUR-SATELLITE NF3	Amateur Radio Communication	License Class A1, A2 and B as per the Amateur Radio Regulations
29 700 - 30 005	FIXED MOBILE	FIXED NF1 MOBILE	Single Frequency Mobile 29.7 – 29.99 MHz Government Use 29.99-32	

30 005 - 30 010			
SPACE OPERATION (satellite identification)	SPACE OPERATION (satellite identification)	Government Use 29.99- 32	
FIXED	FIXED		
MOBILE	MOBILE		
SPACE RESEARCH	SPACE RESEARCH		

PART B: 30 MHz - 390 MHz

30.01 – 40.98 MHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
30.01 - 37.5 FIXED MOBILE	MOBILE NF3	Single Frequency Mobile 32 -32.325 MHz Mobile 1 MTX 32.325- 33.675 Single Frequency Mobile 33.675-34.175 Mobile 2 MTX 34.175 -35 Mobile Aircraft Control 35 – 35.5 Wireless microphone 36.65 – 36.75 Single Frequency Mobile 33.25 - 33.5 Mobile 3 BTX 35.5 – 36.825 Single Frequency Mobile 36.825 – 38.5	Government use 29.99- 32 Paired with 41.65-43 Paired with 40.625 – 41.45 Exclusive use by Model Aircraft Control Government Gazette 26193 Notice 533 of 24 March 2004 refers Government Gazette 26193 Notice 533 of 24 March 2004 Paired with 38.5 – 39.825 36.85 - 38.45 MHz for use by Government Radio Astronomy at 38.45 MHz
37.5 - 38.25 FIXED MOBILE Radio astronomy 5.149	MOBILE Radio Astronomy NF2 5.149	Single Frequency 36.825 – 38.5 MHz	

<p>38.25 - 39.986</p> <p>FIXED</p> <p>MOBILE</p>	<p>MOBILE</p>	<p>Single Frequency Mobile 36.825 – 38.5</p> <p>Mobile 3 MTX 38.5 – 39.825 MHz</p> <p>Single Frequency Mobile 39.825 – 40.625</p>	<p>36.85 - 38.45 MHz for use by Government</p> <p>Paired with 35.5 – 36.825 MHz</p> <p>36.000 - 36.1875 MHz, there is a possibility of assigning to surface models</p>
<p>39.986 - 40.02</p> <p>FIXED</p> <p>MOBILE</p> <p>Space research</p>	<p>MOBILE</p>	<p>Single Frequency Mobile 39.825 – 40.625</p>	
<p>40.02 - 40.98</p> <p>FIXED</p> <p>MOBILE</p> <p>Amateur</p> <p>5.150</p>	<p>MOBILE</p> <p>Amateur</p> <p>5.15</p>	<p>Single Frequency Mobile 39.825 – 40.625</p> <p>Mobile 2 BTX 40.625 – 41.45 MHz</p> <p>Wireless microphones 40.65 – 40.7</p> <p>Non specific SRD's 40.66 – 40.7</p> <p>Amateur Radio Propagation Study 40.675 – 40.685</p>	<p>Paired with 34.175 – 35</p> <p>Government Gazette 26193 Notice 533 of 24 March 2004.</p> <p>License Class A1 as per the Amateur Radio Regulations. To be used for propagation study (max ERP 10 W)</p> <p>40.66 - 40.7 MHz is an International ISM Band (RR Footnote 5.150 refers.</p>

40.98 – 75.2 MHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
40.98 - 41.015 FIXED MOBILE Space research 5.160 5.161	MOBILE Space Research	Mobile 2 BTX 40.625 – 41.45 MHz	Paired with 34.175 – 35 MHz 40.675 - 40.685 MHz Amateur for propagation studies (max ERP 10W)
41.015 – 44 FIXED MOBILE 5.160 5.161	MOBILE	Mobile 2 BTX 40.625 – 41.45 MHz Single Frequency Mobile 41.45 – 41.65 Mobile 1 BTX 41.65 - 43 MHz Government use 43 – 50 MHz	Paired with 34.175 - 35 MHz 35 - 35.5 MHz SF assignments due to model control Paired with 32.325 – 33.675 MHz
44 - 47 MHz FIXED MOBILE 5.162 5.162A	FIXED NF1	Meteor Burst 45.3 - 46.9 and 47.5 - 49.1 MHz CT0 Cordless Telephones BTX 46.61 - 46.97 MHz Government use 43 – 50 MHz	Paired with 47.5 – 49.1 MHz 10 frequency pairs assigned to CT0. Paired with 49.67 - 49.97 MHz. Government Gazette No 26193, Notice No 533 of 24 March 2004 refers

87.5 – 137.175 MHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
87.5 - 100 MHz BROADCASTING 5.190	BROADCASTING	VHF Sound Broadcasting	
100 - 108 MHz BROADCASTING 5.192 5.194	BROADCASTING	VHF Sound Broadcasting	
108 - 117.975 MHz AERONAUTICAL RADIONAVIGATION 5.197 5.197A	AERONAUTICAL RADIONAVIGATION 5.197A	108-112 MHz ILS localiser 112-117.975 MHz VOR (VHF Omnidirectional Range)	
117.975 - 137 MHz AERONAUTICAL MOBILE (R) 5.111 5.200 5.201 5.202	AERONAUTICAL MOBILE (R) 5.111 5.200	Voice and Data Communications (117.975-136MHz)	
137 - 137.025 MHz SPACE OPERATION (space-to-Earth) METEOROLOGICAL- SATELLITE (space-to- Earth) MOBILE-SATELLITE (space-to-Earth) 5.208A 5.209 5.347A SPACE RESEARCH (space-to-Earth) Fixed Mobile except Aeronautical mobile (R) 5.204 5.205 5.206 5.207 5.208	METEOROLOGICAL- SATELLITE (space-to- Earth) MOBILE-SATELLITE (space-to-Earth) 5.208A 5.209 5.347A SPACE RESEARCH (space-to-Earth) Fixed NF1 Mobile except Aeronautical mobile (R) 5.208	MET SAT	

<p>137.025 - 137.175 MHz</p> <p>SPACE OPERATION (space-to-Earth)</p> <p>METEOROLOGICAL- SATELLITE (space-to- Earth)</p> <p>SPACE RESEARCH (space-to-Earth)</p> <p>Fixed</p> <p>Mobile-satellite (space- to-Earth) 5.208A 5.209 5.347A</p> <p>Mobile except Aeronautical mobile (R)</p> <p>5.204 5.205 5.206 5.207 5.208</p>	<p>METEOROLOGICAL- SATELLITE (space-to- Earth)</p> <p>Mobile-satellite (space- to-Earth) 5.208A 5.209 5.347A</p> <p>Mobile except Aeronautical mobile (R)</p> <p>5.208</p>	<p>MET SAT</p>	
---	--	----------------	--

137.175 – 143.6 MHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
<p>137.175 - 137.825 MHz</p> <p>SPACE OPERATION (space-to-Earth)</p> <p>METEOROLOGICAL-SATELLITE (space-to-Earth)</p> <p>MOBILE-SATELLITE (space-to-Earth) 5.208A 5.209 5.347A</p> <p>Fixed</p> <p>Mobile except Aeronautical mobile (R)</p> <p>5.204 5.205 5.206 5.207 5.208</p>	<p>SPACE OPERATION (space-to-Earth)</p> <p>METEOROLOGICAL-SATELLITE (space-to-Earth)</p> <p>MOBILE-SATELLITE (space-to-Earth) 5.208A 5.209 5.347A</p> <p>Mobile except Aeronautical mobile (R)</p> <p>5.208</p>	<p>s:E Dissemination of low rate data from NGSO MetSat to user stations</p> <p>NOAA meteorological satellite</p> <p>137.5 - 137.62 MHz</p>	
<p>137.825 - 138 MHz</p> <p>SPACE OPERATION (space-to-Earth)</p> <p>METEOROLOGICAL-SATELLITE (space-to-Earth)</p> <p>SPACE RESEARCH (space-to-Earth)</p> <p>Fixed</p> <p>Mobile-satellite (space-to-Earth) 5.208A 5.209 5.347A</p> <p>Mobile except Aeronautical mobile (R)</p> <p>5.204 5.205 5.206 5.207 5.208</p>	<p>METEOROLOGICAL-SATELLITE (space-to-Earth)</p> <p>Mobile-satellite (space-to-Earth) 5.208A 5.209 5.347A</p> <p>Mobile except Aeronautical mobile (R)</p> <p>5.208</p>	<p>s:E Dissemination of low rate data from NGSO MetSat to user stations</p>	

143.6 – 149.9 MHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
143.6 – 143.65 MHz AERONAUTICAL MOBILE (OR) SPACE RESEARCH (space-to-Earth) 5.211 5.212 5.214	MOBILE FIXED 5.212	Mobile 1 BTX 141.5 – 144 MHz	Paired with 138 - 140.5 MHz Allocation includes BTX assignments at 142.8 - 143.275 MHz and 143.325 - 143.975 MHz
143.65 - 144 MHz AERONAUTICAL MOBILE (OR) 5.210 5.211 5.212 5.214	MOBILE FIXED 5.212	Mobile 1 BTX 141.5 – 144 MHz	Paired with 138 - 140.5 MHz Allocation includes BTX assignments at 142.8 - 143.275 MHz and 143.325 - 143.975 MHz
144 - 146 MHz AMATEUR AMATEUR-SATELLITE 5.216	AMATEUR AMATEUR-SATELLITE		
146 - 148 MHz FIXED MOBILE except Aeronautical Mobile (R)	MOBILE except Aeronautical Mobile (R)	Mobile 2 MTX 146 – 148.95 MHz	Paired with 153.05 - 156 MHz

<p>148 - 149.9 MHz</p> <p>FIXED</p> <p>MOBILE except Aeronautical mobile (R)</p> <p>MOBILE-SATELLITE (Earth-to-space) 5.209 5.218 5.219 5.221</p>	<p>MOBILE except Aeronautical mobile (R)</p> <p>MOBILE-SATELLITE (Earth-to-space) 5.209 5.218 5.219 5.221</p> <p>NF 7</p>	<p>Mobile 2 MTX 146 - 148.95 MHz</p> <p>Single Frequency Mobile 148.950 - 151 MHz</p> <p>Wildlife telemetry Tracking 148 – 152 MHz</p>	<p>Paired with 153.05 – 156 MHz</p> <p>Government Gazette No 26193, Notice 533 of 24 March 2004 refers</p> <p>Systems are paired with either 137 – 138 MHz or 400.15 – 401 MHz</p>
---	---	--	--

149.9 – 154 MHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
149.9 - 150.05 MHz MOBILE-SATELLITE (Earth-to-space) 5.209 5.224A RADIONAVIGATION-SATELLITE 5.224B 5.220 5.222 5.223	MOBILE-SATELLITE (Earth-to-space) 5.209 5.224A RADIONAVIGATION-SATELLITE 5.224B 5.220 5.222 5.223		
150.05 - 153 MHz FIXED MOBILE except Aeronautical mobile RADIO ASTRONOMY 5.149	FIXED NF1 MOBILE except Aeronautical mobile NF8 NF6 RADIO ASTRONOMY NF2 5.149	Paging, Alarms, Single Frequency Mobile and Load shedding 148.950 - 151 MHz Government use 151 - 152.05 MHz Alarms 152.05 - 152.55 MHz Single Frequency Mobile 152.55 - 153.05 MHz	Channels 150.550 MHz & 150.5625 MHz are used for load shedding Channels 150.625, 150.650 and 150.675 MHz are reserved for in-house paging
153 - 154 MHz FIXED MOBILE except Aeronautical mobile (R) Meteorological Aids	MOBILE except Aeronautical mobile (R) Meteorological Aids	Single Frequency Mobile 152.55 - 153.05 MHz Mobile 2 BTX 153.05 – 156 MHz	Paired with 146 - 148.95 MHz Private maritime MTX at 157.45 - 157.95 MHz paired with 162.05 - 162.55 MHz 156.875 - 157.95 MHz allocated to land mobile MTX in inland areas (paired with 161.475 - 162.55 MHz)

154 – 174 MHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
154 - 156.4875 FIXED MOBILE except Aeronautical mobile (R) 5.226	MOBILE except Aeronautical mobile (R) 5.226	Mobile 2 BTX 153.05 – 156 MHz Mobile 3 MTX 156 - 156.7625 MHz	Paired with 146 - 148.95 MHz The use of this band by the Maritime services shall be in accordance with ITU Appendix 18. 156 - 156.375 MHz allocated to land mobile MTX in inland areas (paired with 160.6 - 160.975 MHz) 156.375 - 156.7625 MHz allocated to SF mobile in inland areas International distress calling (digital selective calling) at 156.525 MHz. 156.875 - 157.95 MHz allocated to SF mobile MTX in inland areas. International Distress calling (digital selective calling) at 156.525 MHz

<p>156.4875 – 156.5625</p> <p>MARITIME MOBILE (distress and calling via DSC)</p> <p>5.111 5.226 5.227</p>	<p>MARITIME MOBILE (distress and calling via DSC)</p> <p>FIXED 5.227 (NIB and NPB) to Maritime Mobile Services</p> <p>MOBILE 5.227 (NIB and NPB) To Maritime Mobile Services</p> <p>5.111 5.226 5.227</p>	<p>Maritime Radionavigation and Location (Radar)</p>	<p>The use of this band by the Maritime services shall be in accordance with ITU Appendix 18. The band 156.8375 - 156.875 MHz is allocated to SF mobile inland areas. Private maritime MTX at 157.45 - 157.95 MHz paired with 162.05 - 162.55 MHz.</p>
<p>156.5625 – 156.7625</p> <p>FIXED MOBILE except Aeronautical mobile(R)</p> <p>5.226</p>	<p>FIXED MOBILE except Aeronautical mobile(R)</p> <p>5.226</p>		
<p>156.7625 - 156.8375</p> <p>MARITIME MOBILE (distress and calling)</p> <p>5.111 5.226</p>	<p>MARITIME MOBILE (distress and calling)</p> <p>5.111 5.226</p>	<p>Maritime Radionavigation and Location (Radar)</p>	

<p>156.8375 – 174</p> <p>FIXED</p> <p>MOBILE except Aeronautical mobile (R)</p> <p>5.226 5.229 5.4C02</p>	<p>MOBILE except aeronautical mobile</p> <p>Mobile Satellite Services (Earth to Space) 5.4C02</p> <p>NF9</p> <p>5.226</p>	<p>Mobile 3 MTX-DF 161.475 - 165.0375 MHz is Paired with Mobile 1 BTX-DF 156.875 - 160. 4375 MHz</p> <p>Single Frequency Mobile 160.45 - 161.4625 MHz</p> <p>Mobile 2 MTX-DF 165.05 - 165.5375 MHz is Paired with Mobile 2 BTX-DF 170.05 - 170.5375 MHz</p> <p>Single frequency Mobile 168.95 - 170.0375 MHz</p> <p>Mobile 3 MTX-DF 165.55 - 167.4875 MHz is Paired with Mobile 3 BTX-DF 172.05 - 173.9875 MHz</p> <p>Single Frequency Mobile 172 - 172 0375 MHz</p> <p>Mobile 4 MTX-DF 167.5 - 168.9375 is Paired with Mobile 4 BTX 170.55 - 171.9875 MHz</p> <p>Non-specific SRD – Telecommand only 173.2125 – 173.2375 MHz</p> <p>Non-specific SRD 173.2375 – 173.2875 MHz</p> <p>Wireless microphones 173.7 – 175.1 MHz</p>	<p>The use of this band by the Maritime services shall be in accordance with ITU Appendix 18</p> <p>The use of this band by the Maritime services shall be in accordance with ITU Appendix 18</p> <p>The use of this band by the Maritime services shall be in accordance with ITU Appendix 18</p> <p>The use of this band by the Maritime services shall be in accordance with ITU Appendix 18</p> <p>Government Gazette No 26193, Notice 533 of 24 March 2004 refers</p> <p>Government Gazette No 26193, Notice 533 of 24 March 2004 refers</p> <p>Government Gazette No 26193, Notice 533 of 24 March 2004 refers</p>
<p>174 – 223</p> <p>BROADCASTING</p> <p>5.235 5.237 5.243</p>	<p>BROADCASTING</p> <p>NF10</p>	<p>VHF Television Broadcasting 174 - 238 MHz</p>	

223 - 272 MHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
223 - 230 MHz BROADCASTING Fixed Mobile 5.243 5.246 5.247	BROADCASTING NF10	VHF Television Broadcasting 174 - 238 MHz	Broadcasting Allotments in accordance with GE 89 plan in the process of conversion to GE 06
230 - 235 MHz FIXED MOBILE 5.247 5.251 5.252	BROADCASTING 5.252 NF10	VHF Television Broadcasting 174 - 238 MHz	Broadcasting Allotments in accordance with GE 89 plan in the process of conversion to GE 06

<p>235 - 267 MHz</p> <p>FIXED</p> <p>MOBILE</p> <p>5.111 5.252 5.254</p> <p>5.256 5.256A</p>	<p>BROADCASTING 5.252</p> <p>NF10</p> <p>MOBILE</p> <p>5.111 5.256</p>	<p>VHF Television Broadcasting 246 - 254 MHz</p> <p>Digital Audio Broadcasting (T-DAB) 238.4 - 239.9 MHz</p> <p>International Distress Frequency 242.95 – 243.05 MHz (centre at 243 MHz)</p> <p>Public Trunking (MPT 1327) BTX 254 - 259.4 MHz</p> <p>Government use 259.4 – 262 MHz</p> <p>Public Trunking (MPT 1327) MTX 262 - 267.4 MHz</p>	<p>Broadcasting Allotments in accordance with GE 89 plan in the process of conversion to GE 06</p> <p>The allocation to T-DAB is temporary. This is to allow field testing on Eureka 147 standard to take place in South Africa.</p> <p>ON 5.111, to consult Maritime AI 1.14 Report WRC 07</p> <p>Paired with 262 – 267.4 MHz</p> <p>Paired with 254 – 259.4 MHz</p>
<p>267 - 272 MHz</p> <p>FIXED</p> <p>MOBILE</p> <p>Space operation (space-to-Earth)</p> <p>5.254 5.257</p>	<p>MOBILE</p> <p>5.257</p>	<p>Public Trunking (MPT 1327) MTX 262 - 267.4 MHz</p> <p>Government 267.45 – 380 MHz</p>	<p>Paired with 254 – 259.4 MHz</p> <p>Excluding 336 - 346 MHz // 354 - 364 MHz</p>

272 – 390 MHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
272 - 273 MHz SPACE OPERATION (space-to-Earth) FIXED MOBILE 5.254	MOBILE	Government 267.45 – 380 MHz	Excluding 336 - 346 MHz // 354 - 364 MHz 0
273 - 312 MHz FIXED MOBILE 5.254	MOBILE	Government 267.45 – 380 MHz Single Frequency Mobile 278 – 286 MHz	Excluding 336 - 346 MHz // 354 - 364 MHz
312 - 315 MHz FIXED MOBILE Mobile-satellite (Earth-to- space) 5.254 5.255	MOBILE	Government 267.45 – 380 MHz	Excluding 336 - 346 MHz // 354 - 364 MHz
315 - 322 MHz FIXED MOBILE 5.254	MOBILE	Government 267.45 – 380 MHz	Excluding 336 - 346 MHz // 354 - 364 MHz
322 - 328.6 MHz FIXED MOBILE RADIO ASTRONOMY 5.149	MOBILE RADIO ASTRONOMY NF2 5.149	Government 267.45 – 380 MHz	Excluding 336 - 346 MHz // 354 - 364 MHz

328.6 - 335.4 MHz AERONAUTICAL RADIONAVIGATION 5.258 5.259	AERONAUTICAL RADIONAVIGATION 5.258	ILS Glide Path 328.6 - 335.4 MHz	
335.4 - 387 MHz FIXED MOBILE 5.254	FIXED NF1 NF11 MOBILE NF12	336 - 346 MHz WAS 357-364 MHz 336 - 337 MHz Digital Trunking (Emergency) 380 – 387 MHz Digital Trunking 387 – 390 MHz	364 - 366 MHz DSSS 344 – 346 Paired with 337-344MHz Paired with 356 - 357 MHz Paired with 390 – 397 MHz Paired with 397– 399.9 MHz
387 - 390 MHz FIXED MOBILE Mobile-satellite (space- to-Earth) 5.208A 5.254 5.255 5.347A	MOBILE 5.347A	Digital Trunking 387 – 390 MHz	Paired with 397– 399.9 MHz

PART C: 390 MHz - 890 MHz**390 - 402 MHz**

ITU Region 1 Allocations	South African Allocations	Applications	Comments
390 - 399.9 MHz FIXED MOBILE 5.254	MOBILE NF12	Digital Trunking (Emergency) 390 - 397MHz PPDR 380 - 385 MHz paired with 390 - 395 MHz Digital Trunking 397- 399.9 MHz	Paired with 380 – 387MHz Paired with 387– 390 MHz
399.9 – 400.05 MHz MOBILE-SATELLITE (Earth-to-space) 5.209 5.224A RADIONAVIGATION- SATELLITE 5.222 5.224B 5.260 5.220	RADIONAVIGATION- SATELLITE 5.222 5.224B 5.260		
400.05 - 400.15 MHz STANDARD FREQUENCY AND TIME SIGNAL- SATELLITE (400.1 MHz) 5.261 5.262	STANDARD FREQUENCY AND TIME SIGNAL- SATELLITE (400.1 MHz) 5.261		

<p>400.15 - 401 MHz</p> <p>METEOROLOGICAL AIDS</p> <p>METEOROLOGICAL-SATELLITE (space-to-Earth)</p> <p>MOBILE-SATELLITE (space-to-Earth) 5.208A 5.209 5.347A</p> <p>SPACE RESEARCH (space-to-Earth) 5.263</p> <p>Space operation (space-to-Earth)</p> <p>5.262 5.264</p>	<p>METEOROLOGICAL AIDS</p> <p>METEOROLOGICAL-SATELLITE (space-to-Earth)</p> <p>MOBILE-SATELLITE (space-to-Earth) 5.208A 5.209 5.347A</p> <p>SPACE RESEARCH (space-to-Earth) 5.263</p> <p>METEOROLOGICAL-SATELLITE (space-to-Earth)</p> <p>MOBILE-SATELLITE (space-to-Earth) 5.208A 5.209 5.347A</p> <p>5.264</p>	<p>Radio Sounding</p>	
<p>401-402 MHz</p> <p>METEOROLOGICAL AIDS</p> <p>SPACE OPERATION (space-to-Earth)</p> <p>EARTH EXPLORATION-SATELLITE (Earth-to-space)</p> <p>METEOROLOGICAL-SATELLITE (Earth-to-space)</p> <p>Fixed</p> <p>Mobile except aeronautical mobile</p>	<p>METEOROLOGICAL AIDS</p>	<p>Met Sat</p> <p>Data uplink to GSO MetSat.</p>	<p>This band is divided into regional and international channels</p>

402 – 410 MHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
402 - 403 MHz METEOROLOGICAL AIDS EARTH EXPLORATION-SATELLITE (Earth-to-space) METEOROLOGICAL-SATELLITE (Earth-to-space) Fixed Mobile except aeronautical mobile	METEOROLOGICAL AIDS	Met Sat Medical Implants 402 – 405 MHz Various SRD's 402 – 406 MHz	Radiosondes Government Gazette No 26193, Notice 533 of 24 March 2004 refers.
403 - 4 06 MHz METEOROLOGICAL AIDS Fixed Mobile except aeronautical mobile	METEOROLOGICAL AIDS	Met Sat Short Range Devices 402 – 406 MHz	Radiosondes As per the new SRD radio Regulations
406 - 406.1 MHz MOBILE-SATELLITE (Earth-to-space) 5.266 5.267	MOBILE-SATELLITE (Earth-to-space) 5.266 5.267	Emergency Position Indicating Radio Beacon (EPIRB)	PLB

<p>406.1 - 410 MHz</p> <p>FIXED</p> <p>MOBILE except aeronautical mobile</p> <p>RADIO ASTRONOMY</p> <p>5.149</p>	<p>FIXED NF1</p> <p>MOBILE except aeronautical mobile</p> <p>NF13</p> <p>RADIO ASTRONOMY NF2</p> <p>5.149</p>	<p>Fixed Links 406.1 – 407.625 MHz</p> <p>Fixed links 407.625 – 410 MHz</p> <p>Mobile MTX 406.1 - 407.625 MHz</p> <p>Mobile MTX 407.625 – 410 MHz</p> <p>Mobile MTX 410- 413 MHz</p>	<p>Paired with 416.1 – 417.625 MHz</p> <p>Paired with 417.625 – 420 MHz</p> <p>Paired with 416.1 – 417.625 MHz</p> <p>Paired with 417.625 - 420 MHz Allocated for Government use and Disaster Relief</p> <p>Paired with 420- 423 MHz Digital Trunking</p>
--	---	--	---

410 – 430 MHz

ITU Region 1	South African	Application	Notes and
410 - 420 MHz FIXED		413 - 416.1 MHz	Paired with 423 - 426.1 MHz
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile NF13	Mobile MTX 407.625 – 413 MHz	Paired with 417.625 - 423 MHz Allocation for Government
		Mobile Data MTX 413 - 413.7625 MHz	Paired with 423 - 423.7625 MHz
		Public Trunking MTX 413.7625 - 416.1 MHz	Paired with 423.7625 - 426.1 MHz Public Digital Trunking
		Mobile BTX 416.1 – 417.625 MHz	Paired with 406.1 - 407.625 MHz
SPACE RESEARCH (space-to-space) 5.268	SPACE RESEARCH (space-to-space) 5.268		
420 - 430 MHz FIXED	FIXED NF1	Single Frequency Links 426.1 – 430 MHz	Frequencies will only be assigned for SF links where migration above 1 GHz would be impractical
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile	Trunked Mobile BTX 420 - 423 MHz	Paired with 410 - 413 MHz Digital Trunked Mobile radio for Government use
		Public Mobile Data BTX 423 - 423.7625 MHz	Paired with 413 – 413.7625 MHz
		Public Trunking BTX 423.7625 - 426.1 MHz	Paired with 413.7626 - 416.1 MHz Public Trunking using digital mobile radio
Radiolocation 5.269 5.270 5.271	NF13		

430 – 450 MHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
430 - 432 MHz AMATEUR RADIOLOCATION 5.271 5.272 5.273 5.274 5.275 5.276 5.277	AMATEUR NF14	Amateur 430 – 440 MHz	
432 - 438 MHz AMATEUR RADIOLOCATION Earth exploration-satellite (active) 5.279A 5.138 5.271 5.272 5.276 5.277 5.280 5.281 5.282	AMATEUR NF14 5.138 Amateur Satellite NF14 Mobile	Amateur 430 – 440 MHz Amateur-Satellite 435 – 438 MHz 433.05 – 434.79 MHz Non Specific SRD including RFID	 Subject to conditions in RR 5.282 Government Gazette No 31127, Notice No 713 Of 2008 refers.
438 - 440 MHz AMATEUR RADIOLOCATION 5.271 5.273 5.274 5.275 5.276 5.277 5.283	AMATEUR NF14	Amateur Radio Communication 435 - 438 MHz	License Class A1,A2,B as per the Amateur Radio Regulations

<p>450 - 455 MHz</p> <p>FIXED</p> <p>MOBILE 5.286AA</p> <p>5.209 5.271 5.286 5.286AA 5.286B 5.286C 5.286D 5.286E</p>	<p>FIXED</p> <p>MOBILE 5.286AA</p> <p>NF15</p> <p>5.209 5.286 5.286AA</p>	<p>Fixed Links 450 – 453 MHz</p> <p>Single Frequency Mobile 453.025 - 453.975 MHz</p> <p>Paging 453.975 - 454.425 MHz</p> <p>Trunked Mobile BTX 454.425 – 460 MHz</p>	<p>Paired with 460 - 463 MHz</p> <p>Paired with 464.425 - 470 MHz</p>
<p>455 - 456 MHz</p> <p>FIXED</p> <p>MOBILE 5.286AA</p> <p>5.209 5.271 5.286AA 5.286B 5.286C 5.286E</p>	<p>FIXED</p> <p>MOBILE 5.286AA</p> <p>NF15</p> <p>5.209 5.286AA</p>	<p>Trunked Mobile BTX 454.425 – 460 MHz</p>	<p>Paired with 464.425 - 470 MHz</p>
<p>456 - 459 MHz</p> <p>FIXED</p> <p>MOBILE 5.286AA</p> <p>5.271 5.287 5.288</p>	<p>FIXED</p> <p>MOBILE 5.286AA</p> <p>NF15</p> <p>5.287</p>	<p>Trunked Mobile BTX 454.425 – 460 MHz</p>	<p>Paired with 464.425 - 470 MHz</p>

459 – 862 MHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
459 - 460 MHz FIXED MOBILE 5.286AA 5.209 5.271 5.286AA 5.286B 5.286C 5.286E	FIXED MOBILE 5.286AA NF16 5.209 5.286AA	Trunked Mobile BTX 454.425 – 460 MHz	Paired with 464.425 - 470 MHz
460-470 MHz FIXED MOBILE Meteorological-Satellite (space-to-Earth) 5.287 5.288 5.289 5.290	FIXED MOBILE 5.286AA NF16 5.287 5.290	Fixed Links 460 – 463 MHz Single Frequency Mobile 463.025 - 463.975 MHz Low Power Mobile Radio 463.975 - 464.425 MHz Trunked Mobile MTX 464.425 – 470 MHz	Paired with 450 - 453 MHz Government Gazette No 26193, Notice 533 of 24 March 2004 refers. 464.375 - 464.425 MHz to be dedicated for control of hazardous equipment Paired with 454.425 - 460 MHz
470 - 790 MHz BROADCASTING 5.149 5.291A 5.294 5.296 5.300 5.302 5.304 5.306 5.311A 5.312	BROADCASTING NF16 RADIO ASTRONOMY NF2 5.149 5.304 5.311A	UHF Television Broadcasting 470 – 854 MHz Radio astronomy 608 - 614 MHz	Broadcasting Allotments in accordance with GE 89 plan in the process of conversion to GE 06

<p>790 - 862 MHz</p> <p>FIXED</p> <p>BROADCASTING</p> <p>MOBILE except aeronautical mobile</p> <p>5.312 5.314 5.315 5.316 5.319</p>	<p>FIXED (854-862 MHz)</p> <p>BROADCASTING 470- 854 MHz</p> <p>NF17</p> <p>5.316A</p>	<p>Fixed links 856 - 864.1 MHz</p> <p>UHF Television Broadcasting 470 – 854 MHz</p>	<p>Broadcasting Allotments in accordance with GE 89 plan in the process of conversion to GE 06</p>
---	---	---	--

862 – 890 MHz

ITU Region 1 Allocation	South African	Application	Notes and
862-890 MHz			
FIXED	FIXED	Fixed Links 868.1 - 876 MHz	
MOBILE except aeronautical mobile 5.317A	MOBILE except aeronautical mobile	Wireless Audio systems 863 – 865 MHz	
		865 - 868 MHz RFID, Non Specific SRD and RFID 869.4 – 869.65 MHz	Government Gazette No 31127, Notice No 713 Of 2008 refers.
		Alarms 868.6 – 868.7 MHz, 869.25 – 869.3 MHz, 869.65 – 869.7 MHz	
	NF 18, NF 19, NF 20, NF 21	Mobile Wireless Access 824 - 849 MHz	Paired with 869 - 894 MHz
		E-GSM Cellular MTX 880 - 890 MHz	Paired with 925 -935 MHz
BROADCASTING 5.322 5.319 5.323			

PART D: 890 MHz - 1000 GHz

890 – 1 215 MHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
890 – 942 FIXED Mobile except Aeronautical Mobile 5.317A BROADCASTING 5.322 Radiolocation 5.323	FIXED Mobile except Aeronautical Mobile 5.317A NF 18, NF 19, NF 20, NF 21	GSM Cellular MTX 890 - 915 MHz 915.1 - 915.2 MHz Real Time Location System 915.2 - 915.4 MHz Passive Tags 195.4 - 919 MHz Modulating RFID Systems (FHSS) 919. - 919.2 MHz Tag Backscatter Guard Band 919.2 921. MHz Non Modulating Backscatter RFID Systems	Paired with 925 - 935 MHz Government Gazette No 31127, Notice No 713 Of 2008 refers. Government Gazette No 31127, Notice No 713 Of 2008 refers. Government Gazette No 31127, Notice No 713 Of 2008 refers. Government Gazette No 31127, Notice No 713 Of 2008 refers.

<p>942 – 960</p> <p>FIXED</p> <p>MOBILE except aeronautical mobile</p> <p>5.317A</p> <p>BROADCASTING</p> <p>5.322</p> <p>5.323</p>	<p>FIXED</p> <p>MOBILE except aeronautical mobile</p> <p>5.317A</p> <p>NF 18, NF 19, NF 20, NF 21</p>	<p>GSM Cellular BTX</p> <p>935 – 960 MHz</p>	<p>Paired with 890 - 915 MHz</p>
<p>960 - 1 164</p> <p>AERONAUTICAL RADIONAVIGATION</p> <p>5.328</p> <p>AERONAUTICAL MOBILE (R)</p> <p>5.4B06</p>	<p>AERONAUTICAL RADIONAVIGATION</p> <p>5.328</p> <p>AERONAUTICAL MOBILE (R)</p> <p>5.4B06</p>	<p>Distance Measuring Equipment / Secondary Surveillance Radar</p>	
<p>1 164 - 1 215</p> <p>AERONAUTICAL RADIONAVIGATION</p> <p>5.328</p> <p>RADIONAVIGATION- SATELLITE (space-to- Earth) (space-to-space)</p> <p>5.328A 5.328B</p>	<p>AERONAUTICAL RADIONAVIGATION</p> <p>5.328</p> <p>RADIONAVIGATION- SATELLITE (space-to- Earth) (space-to-space)</p> <p>5.328A 5.328B</p>		<p>Reserved for future GNSS Galileo GPS system (1164 – 1215 MHz)</p>

1 215 – 1 429 MHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
1 215 - 1 240 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.329 5.329A 5.328B SPACE RESEARCH (active) 5.330 5.331 5.332	EARTH EXPLORATION-SATELLITE RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.329 5.329A 5.328B SPACE RESEARCH 5.331 5.332	GPS	1215 – 1260 MHz
1 240 - 1 300 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.328B 5.329 5.329A SPACE RESEARCH (active) Amateur 5.282 5.330 5.331 5.332 5.335.335A	EARTH EXPLORATION-SATELLITE RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.328B 5.329 5.329A SPACE RESEARCH Amateur 5.282 5.331 5.332 5.335A	Air Traffic Control Radar 1240 - 1350 MHz Global Positioning Systems L2 Amateur 1240 - 1300 MHz	1215 – 1260 MHz
1300 – 1350 AERONAUTICAL RADIONAVIGATION 5.337 RADIOLOCATION RADIONAVIGATION SATELLITE (Earth-to-space) 5.149 5.337A	AERONAUTICAL RADIONAVIGATION 5.337 RADIOLOCATION RADIONAVIGATION SATELLITE (Earth-to-space) 5.149 5.337A Radio astronomy NF2	Air Traffic Control Radar 1240 - 1350 MHz	

1300 - 1525 MHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
<p>1 429-1 452</p> <p>FIXED</p> <p>MOBILE except aeronautical mobile</p> <p>5.341 5.342 5.338A</p>	<p>FIXED</p> <p>NF1</p> <p>5.338A</p>	<p>Fixed links</p> <p>1427 – 1452 MHz</p>	<p>Paired with 1375 - 1400 MHz. CEPT T/R 13-01 Annex B refers.</p>
<p>1 452-1 492</p> <p>FIXED</p> <p>MOBILE except aeronautical mobile</p> <p>BROADCASTING</p> <p>5.345</p> <p>BROADCASTING-SATELLITE</p> <p>5.345 5.347A</p> <p>5.341 5.342</p>	<p>BROADCASTING</p> <p>5.345</p> <p>NF 22</p> <p>BROADCASTING-SATELLITE</p> <p>5.345 5.347A</p>	<p>Terrestrial Digital Audio Broadcasting (T-DAB)</p> <p>1452 -1479.5 MHz</p> <p>Satellite Digital Audio Broadcasting (S-DAB)</p> <p>1479.5 - 1492 MHz</p>	
<p>1 492-1 518</p> <p>FIXED</p> <p>MOBILE except aeronautical mobile</p> <p>5.341 5.342</p>	<p>FIXED</p> <p>NF1</p>	<p>Fixed Links</p> <p>1492 – 1517 MHz</p> <p>Single Frequency Fixed Links</p> <p>1517 – 1525 MHz</p>	<p>Paired with 1350 - 1375 MHz. CEPT T/R 13-01 Annex A refers.</p> <p>CEPT T/R 13-01 refers</p>

<p>1 518-1 525</p> <p>FIXED</p> <p>MOBILE except aeronautical mobile</p> <p>MOBILE-SATELLITE (space-to-Earth)</p> <p>5.348 5.348A 5.348B</p> <p>5.351A 5.341 5.342</p>	<p>FIXED</p> <p>NF1</p>	<p>Single Frequency Fixed Links</p> <p>1517 – 1525 MHz</p>	<p>CEPT T/R 13-01 refers</p>
--	-------------------------	--	------------------------------

1 525 – 1 610 MHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
<p>1525-1530</p> <p>SPACE OPERATION (space-to-Earth)</p> <p>FIXED</p> <p>MOBILE-SATELLITE (space-to-Earth)</p> <p>5.347A 5.351A</p> <p>Earth exploration-satellite</p> <p>Mobile except aeronautical mobile</p> <p>5.349</p> <p>5.341 5.342 5.350 5.351</p> <p>5.352A 5.354</p>	<p>SPACE OPERATION (space-to-Earth)</p> <p>FIXED</p> <p>MOBILE-SATELLITE (space-to-Earth)</p> <p>5.347A 5.351A</p> <p>Earth exploration-satellite</p> <p>Mobile except aeronautical mobile</p> <p>5.351 5.354</p>	<p>Mobile satellite (Inmarsat)</p> <p>1525 – 1559 MHz</p>	<p>Paired with 1626.5 – 1660.5 MHz</p>
<p>1 530-1535</p> <p>SPACE OPERATION (space-to-Earth)</p> <p>MOBILE-SATELLITE (space-to-Earth)</p> <p>5.347A 5.351A 5.353A</p> <p>Earth exploration-satellite</p> <p>Fixed</p> <p>Mobile except aeronautical mobile</p> <p>5.341 5.342 5.351 5.354</p>	<p>SPACE OPERATION (space-to-Earth)</p> <p>MOBILE-SATELLITE (space-to-Earth)</p> <p>5.347A 5.351A 5.353A</p> <p>Earth exploration-satellite</p> <p>Fixed</p> <p>Mobile except aeronautical mobile</p> <p>5.351 5.354</p>	<p>Mobile satellite (Inmarsat)</p> <p>1525 – 1559 MHz</p>	<p>Paired with 1626.5 – 1660.5 MHz</p>

<p>1535-1559</p> <p>MOBILE-SATELLITE (space-to-Earth)</p> <p>5.347A 5.351A</p> <p>5.341 5.351 5.353A 5.354 5.355 5.356 5.357 5.357A 5.359 5.362A</p>	<p>MOBILE-SATELLITE (space-to-Earth)</p> <p>5.347A 5.351A</p> <p>5.351 5.353A 5.354 5.356 5.357 5.357A</p>	<p>Mobile satellite (Inmarsat)</p> <p>1525 – 1559 MHz</p> <p>Cospas-Sarsat</p> <p>1544 – 1545 MHz</p>	<p>Paired with 1626.5 – 1660.5 MHz</p> <p>International use for safety of life applications.</p> <p>Paired with 1626.5 – 1660.5 MHz</p>
<p>1559-1610</p> <p>AERONAUTICAL- RADIONAVIGATION</p> <p>RADIONAVIGATION- SATELLITE (space-to- Earth) (space-to-space)</p> <p>5.328B 5.329A 5.347A</p> <p>5.341 5.362B 5.362C 5.363</p>	<p>AERONAUTICAL- RADIONAVIGATION</p> <p>RADIONAVIGATION- SATELLITE (space-to- Earth) (space-to-space)</p> <p>5.328B 5.329A 5.347A</p>	<p>AERONAUTICAL '(R) 1545-1555 MHz</p> <p>GPS</p>	<p>Paired with 1646.5- 1656.5 MHz</p> <p>No change for GPS in 1559 - 1610 MHz</p>

1610 - 1660 MHz

ITU Region 1 Allocations	South African Allocations	Applications	Comments
<p>1610-1610.6</p> <p>MOBILE-SATELLITE (Earth-to-space)</p> <p>5.351A</p> <p>AERONAUTICAL- RADIONAVIGATION</p> <p>5.341 5.355 5.359 5.363 5.364 5.366 5.367 5.368 5.369 5.371 5.372</p>	<p>MOBILE-SATELLITE (Earth-to-space)</p> <p>5.351A 5.364 5.365 5.368 5.372</p>	<p>MSS 1610 - 1626.5 MHz</p>	<p>Paired with 2483.5 - 2500 MHz for some systems.</p>
<p>1610.6-1613.8</p> <p>MOBILE-SATELLITE (Earth-to-space)</p> <p>5.351A</p> <p>RADIO ASTRONOMY</p> <p>AERONAUTICAL- RADIONAVIGATION</p> <p>5.149 5.341 5.355 5.359 5.363 5.364 5.366 5.367 5.368 5.369 5.371 5.372</p>	<p>MOBILE-SATELLITE (Earth-to-space)</p> <p>5.351A 5.364 5.365 5.368 5.372</p> <p>RADIO ASTRONOMY 5.149</p> <p>NF2</p>	<p>MSS 1610 - 1626.5 MHz</p>	<p>Paired with 2483.5 - 2500 MHz for some systems</p>