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### GENERAL NOTICE

**Independent Communications Authority of South Africa***General Notice*

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## GENERAL NOTICE

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### NOTICE 1538 OF 2009



#### INDEPENDENT COMMUNICATIONS AUTHORITY OF SOUTH AFRICA (ICASA)

#### NOTICE OF PUBLICATION OF FINAL TERRESTRIAL BROADCASTING FREQUENCY PLAN, 2008

The Independent Communications Authority of South Africa ("The Authority") hereby gives notice in accordance with section 34 of the Act. After due consideration of comments and representations received pursuant to the two published draft terrestrial broadcasting frequency plans, the Authority has now determined the Final Terrestrial Broadcasting Frequency Plan 2008 and hereby publishes the plan accordingly.

Copies of the plan are available from ICASA offices at Pinmill Farm, 164 Katherine Street, Block D, Sandton and on ICASA website <http://www.icasa.org.za>

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## ACKNOWLEDGMENT

The Authority would like to acknowledge the contribution of all individuals and organizations who participated in the production of the drafts and the Final Terrestrial Broadcasting Frequency Plan 2008.

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## SUBMISSIONS

The Authority would like to thank the following organizations and individuals who made submissions and representations:

1. Association of Christian Broadcasters (ACB)
2. All Media
3. Cell-C (Pty) Ltd
4. Ericsson
5. eTV
6. FLO Forum
7. ISPA (Internet Service Providers' Association)
8. MNET
9. MTN
10. Nation Association of Broadcasters (NAB)
11. Neotel (Pty) Ltd
12. On Digital Media
13. Orbicom
14. Qualcomm
15. Radio Pulpit
16. Radio Veritas
17. SABC
18. Sentech (Pty) Ltd
19. Square Kilometre Array (SKA)
20. Smile (Pty) Ltd
21. SUPER5 MEDIA
22. Telkom (Pty) Ltd
23. Telkom Media (Pty) Ltd
24. Vodacom (Pty) Ltd
25. Walk on Walter Television (WOWTV)

## INTRODUCTION AND BACKGROUND

The Authority is publishing final draft terrestrial broadcasting frequency plan 2008 in terms of sections 30 (1) and 34 of the ECA, as an annexure to the National Radio Frequency Plan. This document should thus be read together with the National Radio Frequency Plan. The document is published for the purposes of adding further detail to the allotment of broadcasting frequencies, with a specific emphasis on frequencies that will be assigned for digital migration purposes.

After due consideration of comments and representations received pursuant to the two published draft broadcasting frequency plan 2008, the Authority has made a determination on the allotment and assignment of frequencies for the dual illumination period. This determination will, in particular, assist the electronic communications network services (ECNS) in the rollout of an electronic communications network for digital terrestrial television across the country. In the interest of providing the necessary clarity in respect of the Authority's perspective of the whole broadcasting sector, the document also highlight the allotment of frequencies for the purposes of sound broadcasting services.

The Authority published the first final Terrestrial Broadcast frequency plan in October 1999. Two revisions have since been published in July 2002 and December 2005 respectively. To incorporate frequencies for digital terrestrial television a draft plan based on GE06 was published in 2008 as part of public consultative exercise for public comments. In response to the draft, public comments were received and a workshop was held with industry on 11 - 12 March 2009.

The second draft terrestrial broadcasting frequency plan 2008 was published on 6 July 2009 for the public to make further comments before a final determination is made and subsequently public hearing were held on 16 to 18 September where representations were made on all pertinent issues.

The main objective of the second consultative process was to elicit final comments from stakeholders to finalize the terrestrial broadcasting frequency plan for dual illumination period.

The following section clearly depicts the views, determinations and the final position taken by the Authority on all pertinent areas.

### **Multiplex 3**

Views were expressed on the creation of Multiplex 3 and the need to list the frequencies as part of the plan. However multiplex three will be exclusively built on existing Mnet and CSN frequencies. The Authority is of view that Multiplex 3 will only emulate existing Mnet and CSN coverage and the network will not affect the DTT frequencies. Frequencies that will be relinquished through the hard switch over exercise will be used to optimise DTT frequency networks and for analogue switch off and new DTT services re-planning exercise.

### **Square Kilometre Array (SKA)**

Further comments were received on the need to consider all frequencies in the Northern Cape according to the requirements of the Astronomy Geographic Advantage Act (Act no. 21 of 2007).

The Authority concurs with such sentiments and an insertion has been included in the documents which state that "all existing and future assignments/allotments in the frequency bands depicted in Table 1(all terrestrial broadcasting Bands) for the Northern Cape Province will be subjected to the restrictions prescribed by the Astronomy Geographic Advantage Act (Act No. 21 of 2007)". In the plan all high power theoretical sites have been excluded to ensure compliance to the AGA requirements.

The Authority endeavours to initiate a separate process for further engagement of affected broadcasting industry to devise alternative broadcasting transmission facilities/means for the SKA demarcated area.

**Re-categorization of MW frequencies and Proposed FM Frequencies,**

Discontent was expressed by some sound broadcasting services on Authority's continued refusal to assign spare commercial MW for community sound broadcasting purposes. The suggestion was to re-categorize the channels as "open use". The Authority has taken initiatives to deal with the issue around MW frequencies. This includes the recent ITA gazette for additional commercial sound broadcasting in the Primary Markets.

The Authority is of the view that the current licensing process should be allowed to run its course before AM frequencies can be made available for community broadcasting.

The Authority concurs with the sentiments and a separate process for re-categorization of AM frequencies outside the Primary Markets for community broadcasting purposes process will be undertaken to ensure that these new MW requirements are thoroughly addressed. It is envisaged that, such a process will be concluded by the end of June 2010.

New pre-coordinated frequencies were proposed for community sound broadcasting services for inclusion in the list of FM frequencies annexure. The Authority has reanalysed, co-ordinated as per proposed list, however only 15 of the proposed frequencies were suitable for inclusion in the plan and are included as part of FM frequencies on annexure A.

**DTT planning approach**

Views were raised that the broadcasting frequency plan should be based on digital migration regulations and the plan and the regulations must support each other. Further it was argued by some stakeholders that mobile broadcasting should not be a priority, but could be considered when the allocation of multiplexes to the DTT services has been concluded.

The Authority concurs with the view that the broadcasting frequency plan and digital migration regulations must be supportive of each other. The Authority endeavours to ensure that such is always the case. As a case in point, the draft Digital Terrestrial Television Regulations are based on the two Multiplexes as recommended in the GE 06.

Mobile broadcasting was identified as the country's strategic intent prior to RRC-06 and it was included in the GE-06. The introduction of mobile broadcasting is also one of the deliverables that the country has promised to FIFA ahead of the World Cup. Therefore, the plan caters for mobile broadcasting.

While the Authority intends licensing of mobile television services, that would be handled as a separate exercise from the planning process. In the interest of transparency, the Authority has already signalled its intention to issue an Invitation to Apply for this purpose. Mobile television will be licensed on technology neutral basis, where potential investors will retain their right to choose their own technology/standard amongst the existing options such as DMB and DVB-H.

As indicated above, the introduction of mobile broadcasting will not affect the future licensing of additional DTT services. Based on the GE06 Plan, the Authority is of the view that digital migration will free additional frequencies in the 470-790 MHz. Although the Authority is committed to further consultation on the distribution on the digital dividend, there is no doubt that a significant part of this band will be allocated back to television for the purposes of providing High Definition Television (HDTV) as well as cater for the introduction of competition in both the pay and free -to- air markets (FTA).

### Digital Dividends and 790 to 862 MHz band

There was a strong lobby to have the band 790 to 862 MHz to be made available for IMT immediately, just as there was an equally strong lobby against immediately releasing the band for IMT. Those who wanted the band to be made available immediately argued that South Africa is party to decisions of WRC-07 final regulations, enabling countries to make the band available before June 2015.

The other lobby argued that there are existing analogue services which need protection in this band. Furthermore, there is a risk of non-useable frequencies during dual illumination.

There was a lot of anxiety around the distribution of the digital dividend between broadcasting and electronic communications services. Some stakeholders argued that it is premature to start considering digital dividends at the moment, before the end of the dual illumination period.

The Authority takes the view that to minimise risks and to protect consumers, 790 to 862 MHz should be released for IMT after November 2011 or when and where analogue services have been switched off. The Authority will endeavour to limit new assignments made in this band. The freeing of this band will also allow the creation of a unified 800MHz for the purposes of providing electronic communications services such as broadband. This is in line with emerging international practice.

On digital dividends, based on international benchmark, the Authority anticipates frequency spectrum in the region of 300MHz to be released after dual illumination. Consideration for utilization of this spectrum will include additional broadcasting services, high definition TV, return paths for interactive TV, and others. The process around this will be informed by national objectives and policy intent. The Authority will continue engagements on market studies to ascertain needs and advise on policy issues.

### Other issues

The Authority will endeavor to remain technology neutral as far as it is practically possible. However, where necessary, the Authority will engage industry on the adoption of certain standards in line with the objectives of the ECA.

- A number of errors and omissions have been highlighted in the submissions. The Authority has taken every effort to make appropriate amendments to the current draft.
- Issues around the Joint Spectrum Advisory Committee were raised. Terms of reference as the structure of the JSAC will be finalized as part of the finalization of digital terrestrial television regulations.
- The Authority also took note of the views expressed by stakeholders on the need to include, as part of the broadcasting plan, all available community radio frequencies.
- The workshop suggested that a technical committee be formed to look at all technical issues at hand and prepare a consolidated recommendation before the finalization of the plan. On further deliberations the Authority felt that the exercise would not add any substantial value, given that all views have been gathered from submissions and further canvassed during the workshop.
- The Authority also wishes to state that, subsequent to the workshop, it has received numerous uninvited correspondences from interested parties clarifying their various positions. None of these correspondences have had any substantial influence on positions expounded above.

## Conclusion

Although, two widely diverging sentiments were raised in the submissions of both published drafts; during the workshop; and the public hearings. One predominant view was that the plan should be based on GE-06 which would allow speedy implementation. However, there was also a strong view that GE-06 plan was not optimal hence the slight deviation by the second ICASA draft to have a coverage that is comprehensive for dual illumination. The advocates of the second view proposed an allotment based plan, which would result in larger SFNs and contiguous blocks of channels.

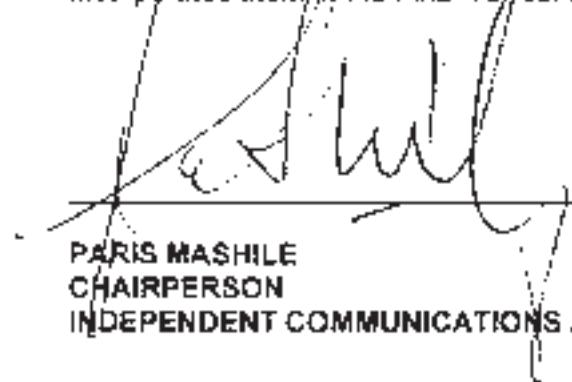
The advantage in this approach is that it would make the broadcasting spectrum more organised and becomes easier to identify spectrum for digital dividends. The Authority accepts the view that an allotment based approach would be ideal. However, this exposes the plan to a huge risk of too many frequencies requiring international coordination. It also brings to question the country's commitment to international treaties and cooperation with our neighbouring countries. To determine the basis for delineation of service areas would require a lot time and effort. The GE-06 based plan attempts to minimise consumer disruptions by minimising changes on analogue services. This is the view that most of the representations alluded to during the public hearings. The Authority received a number of independent analysis from various broadcasters, which indicated no constraints with the implementation of the draft plan, their report only emphasised the suitability of the published plan for dual illumination.

In view of the above, it stands to reason that the final Terrestrial Broadcasting Plan should not deviate considerably from GE-06. The time, cost and effort far outweigh the benefits. There are indications that the identified limitations of the GE-06 based plan can be addressed satisfactorily. It is worth noting that a number of countries avoid huge deviations from GE-06 for similar reasons.

The Authority has considered the following factors in making its overall assessment:

- Compliance with GE-06 Plan
- The extent of co-ordination required
- Existing analogue frequency changes
- Number of interference cases

The Authority has taken into account all workable modifications suggestions for enhancement of the published drafts which were based on GE-06 and has incorporated them in the Final Terrestrial Broadcasting Frequency plan 2008.



PARIS MASHILE  
CHAIRPERSON  
INDEPENDENT COMMUNICATIONS AUTHORITY OF SOUTH AFRICA



**Independent Communications Authority of South  
Africa**



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### ACRONYMS

AGA	Astronomy Geographic Advantage Act (Act No. 21 of 2007)
AM	Amplitude Modulation
Cat	Category
CML	Commercial National Service
COFDM	Coded Orthogonal Frequency Division Multiplexing
CSP	Content Service Provider
CTY	Community District Service
DAB	Digital Audio Broadcasting
dB	Decibels
DOC	Department of Communication, Republic of South Africa
DTT	Digital Terrestrial Television
DVB-H	Digital Video Broadcasting-Handheld
DVB-T	Digital Video Broadcasting-Terrestrial
ECA	Electronic Communications Act, 2005 (Act No. 36 of 2005)
ECNS	Electronic Communication Network Services
EMRP	Effective Monopole Radiated Power
EPG	Electronic Program Guide
ERP	Effective Radiated Power
FM	Frequency Modulation
FTA	Free To Air
GEO6	Analogue and digital frequency plan as per RRC-06
HDTV	High Definition Television
HF	High Frequency
IBA	Independent Broadcasting Authority
ICASA	Independent Communications Authority of South Africa
IMT	International Mobile Telecommunication
IRD	Integrated Receiver Decoders
ITA	Invitation To Apply
ITU	International Telecommunication Union
kHz	Kilohertz
Kw	Kilowatts

LI	Licensed
LIC	Licensed
MDTT	Mobile Digital Terrestrial Television
MHz	Megahertz
MPEG	Moving Picture Expert Group-Advanced coding and tx of video
MUX	Multiplex Operator
MW	Medium Wave
OP	Operational
OPE	Operational
PAL	Phase Alternating Line
PNS	Public National Service
Pol	Polarization
PSB	Public Service Broadcaster
RRC-06	Regional Radiocommunication Conference 2006
SABC	South African Broadcasting Corporation
SAFTA	South Africa Frequency Table Allocations
SFN	Single Frequency Network configuration
SKA	Square Kilometer Array
SPA	Spare
STB	Set-Top-Box
T-DAB	Terrestrial Digital Audio Broadcasting
TV	Television
UHF	Ultra high Frequency
VCR	video cassette recording
VHF	Very High Frequency

## 1 INTRODUCTION AND BACKGROUND

The Authority is publishing final terrestrial broadcasting frequency plan 2008 in terms of sections 30 (1) and 34 of the ECA, as an annexure to the National Radio Frequency plan. This document should thus be read together with the National Radio Frequency plan. The document is published for the purposes of adding further detail to the allotment of broadcasting frequencies, with a specific emphasis on frequencies that will be assigned for digital migration purposes.

After due consideration of comments and representations received pursuant to the two published draft terrestrial broadcasting frequency plan 2008, the Authority has made a determination on the allotment and assignment of frequencies for the dual illumination period as depicted on the annexure G and H. This determination will, in particular, assist the electronic communications network services (ECNS) in the rollout of an electronic communications network for digital terrestrial television across the country. In the interest of providing the necessary clarity in respect of the Authority's perspective of the whole broadcasting sector, the document also highlights the allotment of frequencies for the purposes of sound broadcasting services.

The Authority published the first Final Terrestrial Broadcast Frequency Plan in October 1999. Two revisions have since been published in July 2002 (Gazette no 23695, notice 1341 of 2002) and December 2005 (Gazette no. 28299, notice no. 1513 of 2005) respectively. The 2009 Final Terrestrial Broadcasting Frequency Plan was to facilitate comprehensive deliberations on digital planning parameters and to incorporate frequencies for digital terrestrial television and mobile digital terrestrial television for dual illumination period.

## 2 GUIDING PRINCIPLES

The Authority's approach to this document was informed by a number of principles as outlined below:

### Categorization of Services

The categorisation was informed by the following:

- Expressions of interest for commercial, community and digital broadcasting services;
- The Triple Inquiry Report, including language obligations<sup>1</sup>;
- The current licensed broadcasting services;
- The SABC radio language service expansion;
- Coverage and ERP requirements of broadcasters;
- Additional regional public broadcasting services licenses.
- Restrictions prescribed by the Astronomy Geographic Advantage Act (Act No. 21 of 2007).

The Authority may consider re-categorisation where a request is made. In analysing the request, the Authority will consider optimum usage of the broadcast frequency spectrum and changes (technology or otherwise) in the broadcasting industry.

### Contribution to the Diversity Requirements of the Act

Section 2(s) (i) of the ECA promotes a diversity of services. The Terrestrial Broadcasting Frequency Plan is aimed at contributing to diversity by amongst other things ensuring audiences have access to different categories of broadcasting services on different technological platforms.

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<sup>1</sup> See page 8 of the Triple Inquiry Report 1995

### **Protection of national and regional Identity, Character and Culture**

The Terrestrial Broadcasting Frequency plan attempts to give every citizen access to at least one broadcast frequency assignment for a service in his or her language of choice. In areas of greatest demands, such as Johannesburg, a greater number of frequency assignments are grouped together to address this need. The Authority has noted that the roll out of digital terrestrial and satellite broadcasting would go a long way to help alleviate the shortage of frequency assignments in some geographic areas.

### **Balance between protection of existing broadcasting services and the need for digital migration**

The Terrestrial Broadcast Frequency Plan does not deprive any existing licensed broadcaster of any frequency assignment. Future assignments though might necessitate some frequency changes to existing broadcasting services. These changes will as far as possible be limited to stations that have a low ERP and a small coverage area<sup>2</sup>. The GE-06 plan has made provisions for 2x1.5 MHz of a national T-DAB network for the whole country from 214-230MHz.

It was agreed with the SADC countries, that in areas where there is more demand, each country could add more channels after consultation with the affected neighbouring countries. T-DAB allotment can only be available once the current analogue services have migrated to digital.

### **Protection of the integrity and viability of the public broadcaster**

Section 2(t) of the ECA advocates the protection of the integrity and viability of public broadcasting services. The plan protects all operational PBS services and reserves frequency assignments to cater for public broadcasting.

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<sup>2</sup> Frequency changes will be made in accordance with Section 31(4) of the EC Act

Television frequency assignments with a low ERP (less than 1 kilowatt) were not considered for co-ordination and are therefore not protected.

#### **Efficient Use of the National Frequency Spectrum**

Section 2(e) of the Act provides for the efficient use of the radio frequency spectrum. The terrestrial broadcasting Frequency plan is developed in line with global spectrum management principles as prescribed by the ITU recommendations.

#### **Fair Competition between Broadcasting Services**

Section 2(f) of the ECA mandates the Authority to promote competition within the ICT sector. In order to fulfil this mandate, the plan allows, in most cases, for frequency assignments with similar coverage area (CML, PBS, PNS) in the same licence areas. This will allow for effective competition between different private broadcasters due to the equal potential listener- and viewer-ship from a transmitter site. The responses for the expressions of interest for radio (community and commercial) were taken into account in developing the Plan. The Community frequency assignments vary in ERP from area to area, and sometimes in the same area, depending upon the coverage requirements for each Community.

#### **Promotion of stability in the broadcasting Industry**

The Authority has attempted to make frequency assignments available according to demand, need and population distribution.

#### **Promotion of research into broadcasting policy and technology**

The Authority has actively supported the promotion of research into broadcasting policy and technology and has licensed test broadcasts for both T-DAB Eureka 147 as well as DVB-T. Tests have been conducted by Sentech in Johannesburg and Pretoria for T-DAB on 239.2 MHz and 1466.656 MHz. Test for DTT has been carried out on channel 58 in Johannesburg. Orbicom

and MNET have also conducted DTT tests in Johannesburg, Kyalami and Helderkruin on channel 62. The Authority has also issued DVB-H test licenses to MNET, Vodacom and Sentech. The feedback received from the tests assist the Authority in acquiring insight on pertinent issue of the technology.

### **3 DIGITAL MIGRATION PLAN**

#### **3.1 Preparatory Stage**

The Authority has in 2007 issued DVB-H test licenses to MNET, Vodacom and Sentech. The feedback received from the tests assisted the Authority in acquiring knowledge and insight from industry of the potential that such a broadcasting service could have in the development of digital broadcasting in the country.

The Department of Communications in preparing the country for the Regional Radiocommunications Conference (RRC-06) that was held in May/June 2006 established a National Preparatory Task Team, with the view of developing a digital plan for South Africa. The National Preparatory Task Team subsequently agreed on a plan that was submitted to the International Telecommunications Union (ITU). These processes culminated in the draft terrestrial broadcasting frequency plan 2008 which was gazetted in October 2008 and subsequently the publication of the final terrestrial broadcasting frequency plan 2008 for dual illumination.

#### **3.2 Issues Covered in the Plan**

The Plan seeks to address the introduction of new players in the market from the inception of digital transmission. This plan attempts to meet the digital migration broadcasting frequency requirements as submitted by industry.

The plan permits new players, albeit limited and as services begin to switch off analogue transmissions a further freeing of spectrum will permit more role players to enter into the market.

The Plan also addresses the Digital Audio Broadcasting (DAB) services needs by the industry. The occupancy of the Very High Frequency Band (VHF) by television services further limits the introduction of Digital Audio Broadcasting in the short term.

Due to the limited number of VHF channels available and the intensive occupancy of VHF band, use of these frequencies for DAB and OTT can only occur once existing analogue television services have migrated to a digital platform. The VHF band has only seven frequency assignments, and all these frequencies are extensively used for television transmission in analogue format. It is therefore essential that in order for Digital Audio Broadcasting to be deployed in this band some services will have to be migrated.

The Plan proposes that should there be a need for introduction of DAB before some television assignments have migrated; the L-Band should be used in the short term. The bands that DAB can operate are the VHF band, the L-Band and through satellite. Therefore in as far as terrestrial transmission is concerned the only option is to deploy DAB in the L-Band in the short term until such time that the television services have migrated.

The ideal requirements for OTT spectrum were compiled by the National Preparatory Task Team which included of all broadcasters and signal distributors in consultation with the industry through an exercise carried out by the Department of Communications (DOC) in preparation for RRC-06.

The planning principles supported by South Africa are those that provide balance between the protection of existing services and the introduction of a spectrum efficient digital broadcasting. The introduction and migration strategy for digital broadcasting hinges on the availability of spectrum.

The Authority decided to prioritize the allocation of frequencies for digital broadcasting, taking into account both legislative obligations and practical limitations. This includes availability of spare usable frequencies to be used for digital broadcasting. It might not always be possible to have analogue coverage and digital coverage at the same time in some areas.

The Authority is also proposing that due to the nature of digital broadcasting, there might be a need to establish more gapfiller sites to ensure that the analogue network is emulated, and would therefore propose that in the interest

of ensuring that the network reception is sufficient, there would be an authorization process to assist in making sure that network rollout happens quickly, and timely.

The Authority also encourages the early migration of services that could, especially if such a migration would result in the freeing of spectrum. This is to ensure that spectrum is freed early to the benefit of the efficient use of spectrum and for the post dual illumination re-planning exercise. On the basis of the technical analysis and limited spectrum resource the authority produced a plan for digital migration as articulated below.

### **3.3 Digital Terrestrial Television and Mobile TV**

The Frequency Plan incorporates the two national Digital Terrestrial Television (DTT) frequency networks using the Digital Video Broadcasting – Terrestrial (DVB-T) standard that were submitted to the ITU for incorporation in the GE-06 plan. In addition to the above two metropolitan DTT frequency networks using the Digital Video Broadcasting – Handheld (DVB-H) standard were submitted to the ITU for incorporation in the GE-06 plan.

The introduction of mobile television services using DVB-H were further endorsed in the policy directions issued by the Minister of Communications in terms of section 3(1) and (2) of the ECA in Government Notice 876, Government Gazette Vol. 507, No. 30308, on 17 September 2007..

After considering both the GE 06 Plan and the Ministerial Policy directives, the Authority proposes that mobile television services be licensed on technology neutral basis. While DVB-H is preferred, as reflected in the ministerial policy directives, other technologies and standards should be encouraged. The Two multiplexes (MDTT1 and MDTT2) for mobile television services have been indicated in the table of assignments as a way forward to secure a smooth analogue-digital migration.

In line with the above-mentioned considerations, two UHF channels were planned for mobile DTT use in Gauteng and surrounding areas, Durban and surrounding areas, Cape Town and surrounding areas. These channels will be below 700 MHz to allow for mobile television applications. Additional channels have been added to extend the mobile DTT coverage to other metropolitan areas. Further channels for digital mobile broadcasting services will be available after analogue switch-off. In planning for digital services, coverage equivalent to that currently provided by analogue services must be ensured. This could necessitate additional low power gap fillers.

The Authority is also mindful that for the mobile DTT networks to operate and sufficiently cover the whole metropolitan areas, there would be a need to migrate some services in the identified channels. The Authority is however cognizant that the services that would have to move are in the low power sites and therefore would not significantly hamper the launch of a commercial MDTT network, while services are moved from the occupied channels.

It is the Authority's view that the licensing of mobile television networks could go ahead while at the same time, time frames are established on the migration of the services from the identified channels of mobile television networks in the metropoles. This would ensure that mobile television frequency network licensing does not have to be hampered by the migration of the services from the identified channels.

For the mobile DTT networks, to operate and sufficiently cover the whole metropolitan areas and surrounding areas, there will be a need to migrate some services from identified channels. The services that will have to move are predominantly in the low power sites and therefore will not significantly hamper the launch of a commercial mobile network. Channels 33 and 35 will be used for mobile television services in Gauteng and surrounding areas. Channels 25 and 33 will be used for mobile television services in Durban and surrounding areas. In Cape Town and surrounding areas channels 26 and 32 will be used

for mobile television services. It is therefore the Authority's intention to license these frequencies as per GE-06, while at the same time migrating services from the identified frequencies, in order to facilitate the launching of mobile DTT.

### **3.4 Other Pertinent Issues**

#### **Self-Help Stations**

The Authority does not reserve frequencies for self-help stations due to the very low power used and the uncertainty of the requirement. Assignments are made as and when required. Therefore, the assignments listed in Annexure B and E are all operational. Self-Help frequencies should be proposed by the applicant.

#### **Provincial (Regional) Broadcasting**

It is the Authority's view that the two national DTT frequency networks that are used in GE-06 plan fully accommodate the regional public services of the SABC.

#### **Digital Dividend**

The migration process will release much of the spectrum currently occupied by analog services. After dual illumination more spectrum will be available for additional digital broadcasting, Digital audio services and telecommunications. Broadcasters and other interested stakeholders will be engaged further in a separate process to ensure a fair criterion is used in the distribution of spectrum after dual illumination.

#### **Digital Audio Broadcasting**

Digital dividends in terms of digital audio broadcasting are not attractive. On the other hand the cost, including social cost, of converting existing AM and FM might be high. DAB will be introduced in Band III after digital migration for

television. Authority recommends that DAB be introduced when the market is ready. Ideally, digital audio broadcasting should augment and not replace AM and FM.

Therefore, there is no switch-off date for AM and FM. Rather there should be a commitment to grant fair access to spectrum where the right conditions prevail. The Authority has recommended to the ITU that Channel 9 and 10 (214-230MHz) be identified for DAB.

#### Digital Television broadcasting

The anticipated spectrum to be released by analog services from current SABC, eTV and Mnet services which will translate to bandwidth for new services or enhancement of existing services. Frequency 470 MHz to 790 MHz Band will be redistributed for future broadcasting services(additional regional multiplexes, HDTV requirements and for other ICT services).

#### IMT (International Mobile Telecommunications)

The band 790 MHz to 862 MHz has been identified for IMT implementation. After dual illumination this spectrum will be freed for IMT. The Authority will undertake a separate process to determine the criteria to be used to access the spectrum.

#### Square Kilometre Array (SKA)

All existing and future assignments/allotments in the broadcasting frequency bands depicted in Table 1 for the Northern Cape Province will be subjected to the restrictions prescribed by the Astronomy Geographic Advantage Act, 2007 (Act No. 21 of 2007). In the plan all high power theoretical sites have been excluded to ensure compliance to the AGA Act requirements.

The Authority endeavours to initiate a separate process for further engagement of affected broadcasting licensees to devise alternative broadcasting transmission facilities/means for the SKA demarcated area; all affected frequencies are depicted in annexure J. Annexure H has a list of frequencies changes to be effected during the implementation of the DTT frequency plan.

## 4 BROADCASTING FREQUENCY ASSIGNMENTS AND TECHNICAL PARAMETERS

### 4.1 Frequency Assignment Table Structure

The frequency assignments listed fall into one of three levels of assignment status.

- OP or OPE - Frequencies assigned and in use
- SP or SPA - Spare frequency assignments in the vicinity of an existing transmitting station site or frequency assignments available for use in the vicinity of a theoretically determined lattice node point
- LI or LIC - Frequencies licensed and awaiting finalisation of technical parameters or the installation of transmitting equipment

The information provided in annexure A to H is structured to give the transmitting station name, its geographic co-ordinates, the frequency and the channel, the maximum effective radiated power and the polarisation mode. In cases where the frequency is already in use, the name of the licensed broadcasting service is also given, together with the date it came on air. In each case, it is indicated into which of the three above-mentioned assignment-status levels the frequency assignment falls.

### 4.2 Standards and Requirements of the ITU

As a requirement in terms of section 30 (2)(a) of the ECA the Authority must, in controlling, planning, administering, managing and licensing the use of the radio frequency spectrum, comply with the applicable standards and requirements of the ITU and its Radio Regulations.

The broadcasting frequency bands are pre-planned and internationally co-ordinated through the ITU to avoid mutually harmful interference between neighbouring countries. These bands are the Medium Wave (MW or MF), and VHF/FM bands for sound broadcasting and the VHF and UHF bands for television broadcasting. To allow for technological advances and to accommodate changing priorities of

countries, the international plans are reviewed every 20 to 30 years. Provision is also made for modifications to the plans. Procedures are laid down by which frequency assignments can be modified or added to the existing plans. Affected countries have to be consulted and the ITU has to be notified of all such modifications or additions.

South Africa, as a signatory to the ITU Convention, and more particularly having acceded to the Regional Agreements concerning VHF-FM Sound broadcasting and VHF/UHF television broadcasting, is obliged to adhere to the planning principles agreed to in the planning conferences organised by the ITU to plan the broadcasting frequency bands.

The existing frequency plans for FM and TV have been developed on the basis of providing essentially a full range of public broadcasting services to the majority of the population. The South African frequency plans currently in use are based on internationally accepted practices similar to those adopted in Europe, Australia and Asia. The current levels of spectrum usage in South Africa are also consistent with international practice.

Frequencies are normally assigned to transmitting stations according to a uniform lattice in case of the VHF/FM and UHF television frequency bands. Frequencies are reused at a distance where there will be no harmful interference between transmitting stations operating on the same frequency or on adjacent frequencies. Techniques are used to increase frequency usage density, such as orthogonal polarisation and frequency off-set.

#### **4.3 Interference as a Limiting Factor to Frequency Assignment**

Issues that are important in frequency planning include definition of the area to be served by each broadcasting station, whether these areas may be or need to be served through the use of multiple frequencies or whether it is to be served by a single transmitter, and decisions about how much interference between services is tolerable, and the grade of service to be provided to the listeners or viewers within

The area to be served. In the final instance, a frequency plan can consist of a number of combinations and permutations of frequencies and power levels for the same area, all of which may be technically acceptable. Also, it would be possible to have a smaller number of high power transmitters, or a larger number of low power transmitters, or any combination between these extremes, in any particular geographic area, dependent on the particular needs, and considering the topography in the area.

While it would be possible to avoid interference between broadcasters or transmitters by never using a frequency more than once nor using frequencies close to each other, this is unrealistic because very few services could be established in this scenario. Frequency re-use is therefore a standard feature of all frequency plans and is the essence of the efficient use of the frequency spectrum.

The plan attempts to manage the problem of interference and accommodate the maximum number of frequency assignments within a given area for a given amount of spectrum. The plan also takes account of the practical limits of coverage of stations imposed by factors such as the physics of radio wave propagation, limits of radiated power from the stations, and performance characteristics (selectivity and sensitivity) of typical receivers.

The engineering considerations of interference prediction and coverage assessment usually follow recommendations of the ITU. These recommendations draw on the pooled knowledge of experts world-wide, which is expressed in terms of guidelines, standards and parameters that have been established as providing proven practical and realistic results. The Authority therefore has to establish a policy of defining licence areas to be served, and to plan accordingly. Interference or signal strength complaints about reception from listeners or viewers outside of the licence area of the station are normally not considered.

This is generally known as interference limited approach in assigning frequencies and determining the coverage area of a particular broadcasting station, as opposed to a noise limited approach (where the signal level is allowed to drop to below the

ambient noise level). The latter is considered to be inefficient in the use of the frequency spectrum.

Due to current spectrum utilisation in some areas, particularly in the VHF/FM band, it has in certain cases been possible to receive broadcast transmissions in areas beyond the intended target area of transmitting stations, as broadcasts have been mostly noise limited.

As more frequency assignments are made and new broadcasters come on the air, services will no longer be noise limited but will become interference limited. This means that although the prime target area of the transmitting station will continue to receive satisfactory coverage, people in areas outside the target area who in the past were able to receive transmissions, will no longer be able to do so due to increased spectrum usage and the consequent increase in interference levels. This issue becomes more relevant in the context of digital broadcasting; the signal degradation where one is able to view a picture that is not clear is no longer applicable. The viewer outside the recommended signal level would not be able to receive.

Some broadcasting signal distributors are making use of re-broadcasting techniques (RBR) to provide programme feeds to transmitting stations. In this process a signal is received from an adjacent transmitting station and re-transmitted to the intended target area. The Authority did not use any criteria to protect such links from any interference in the compilation of this plan. When necessary, more use will have to be made of either telecommunications links or satellite facilities to provide programme feeds to transmitting stations where interference on RBR has become a problem.

In drawing up the Frequency Plan, priority was given to maximising the number of broadcasting frequencies available for assignment to broadcast services. Consequently, no protection against harmful interference can be given to radio frequency output signals on home equipment such as video cassette recorders (VCR's), satellite receivers, integrated receiver decoders (IRD's) etc. operating in the broadcasting services frequency bands.

In countries with a tradition of public broadcasting, systematic planning methods have been applied on the basis that public services should be widely accessible to all of the population. This planned approach is the one adopted by the ITU generally and in particular for planning of broadcasting services in Africa.

This is the approach that has been used for broadcasting frequency planning in South Africa, and which the Authority intends to continue applying (in compliance with ITU methods).

The Frequency Plan is to be treated as a living document and as a vehicle to assist the Authority to facilitate the development of a broadcasting system which is responsive to the changing technical and social environment, and which will enable the Authority to achieve the primary objects of section 2 of the ECA. The Authority will at all times keep the latest frequency plan on its website ([www.icasa.org.za](http://www icasa org za)) for easy access by the public.

#### **4.4 Factors Restricting the Frequency Plan**

A number of factors place restrictions on the Frequency Plan, being:

- frequencies occupied by existing broadcasters;
- the need to co-ordinate broadcasting frequencies with South Africa's neighbours; and
- demographic and topographic conditions.

International agreements and ITU Radio Regulations require that all medium and high power frequency assignments are co-ordinated with neighbouring territories so as not to cause trans-border interference. This requires that any addition of a new frequency or relocation of a frequency of a medium or high power broadcasting station situated within approximately 400 km from the border of any of South Africa's neighbours (Namibia, Botswana, Zimbabwe, Swaziland, Mozambique or Lesotho) would require extensive bilateral negotiations.

#### 4.5 Coverage Area and Service Contour Levels

ITU provides the following definitions:

Coverage Area<sup>3</sup>:

The coverage area is defined by the ITU as "the area within which the wanted field strength is equal to or exceeds the usable field strength defined for specified reception conditions and for an envisaged percentage of covered receiving locations".

ECA provides the following definition:

Licence Area<sup>4</sup>:

The licence area is defined in the ECA as "the geographical area specified in a licence".

If a licence area is not specified in a broadcasting service licence, then the technical parameters specified in the licence conditions will be used in order to determine the licence area..

The determination of a coverage area is governed by the following definitions of ITU:

- "The area within which the wanted field strength is equal to or exceeds the usable field strength defined for specified reception conditions and for an envisaged percentage of covered receiving locations."
- "Usable field strength is the minimum value of the field strength necessary to permit a desired reception quality, under specified receiving conditions, in the presence of natural or man-made noise and of interference, either in an existing or as determined by agreements or frequency plans."

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<sup>3</sup> See Final Act of GF 06

<sup>4</sup> See EC Act 36 of 2005 (Definitions)

- “Minimum usable field strength is the minimum value of the field strength necessary to permit a desired reception quality, under specified receiving conditions, in the presence of natural and man-made noise, but in the absence of interference from other transmitters.”

#### 4.6 Broadcasting Frequency Bands and Technical Parameters

The following broadcasting frequency bands are included in the South African broadcasting frequency plan. All existing and future assignments/allotments in the frequency bands depicted in Table 1 for the Northern Cape Province will be subjected to the restrictions prescribed by the Astronomy Geographic Advantage Act (Act No. 21 of 2007).

**Table 1: Broadcasting Frequency Bands**

Broadcasting bands	Range	ITU plan
AM-MF (MW) audio broadcasting	535.5 – 1606.5 kHz	Geneva plan of 1975 for Africa, Europe and Asia
VHF/FM audio broadcasting	87.5 – 108 MHz	Geneva plan of 1984 for Africa and Europe
VHF television broadcasting	174 – 238 MHz 246 – 264 MHz	Geneva plan of 2006 in parts of Region 1 and 3
UHF television broadcasting	470 – 854 MHz	Geneva plan of 2006 in parts of Region 1 and 3

The HF broadcasting bands are coordinated by the ITU. The procedures are laid down in Article 12 of the Radio Regulations (RR12-1) and subsequent planning documents released by the Radio Communication Bureau. The procedure is based on the principle of equal rights of all countries to equitable access to these bands.

As transmissions in the tropical Bands are intended for national coverage, the transmitter output power is restricted to 50 kW. Table 2 indicates the various allocations to the HF frequency spectrum sound broadcasting services available to South Africa.

Table 2: HF broadcasting frequency bands

HF (kHz)	
3900 – 4000	13600 – 13800
5950 – 6200	15100 – 15600
7100 – 7300	17550 – 17900
9500 – 9900	21250 – 21850
11650 – 12050	25670 – 26100
<hr/>	
HF Tropical Band (kHz)	
2300 – 2498	3200 – 3400
4750 – 4995	5005 – 5060
<hr/>	
HF single side band (kHz)	
5900 – 7300	13570 – 13600
7300 – 7350	13800 – 13870
9400 – 9500	15600 – 15800
11600 – 11650	17480 – 17550
12050 – 12100	18900 – 19020

#### MF-AM Broadcasting Band

The MF AM broadcasting band lies between 530 and 1606,5 kHz, and is divided into 120 channels of 9 kHz bandwidth each. In South Africa, the first channel on 531 kHz is not used for MF broadcasting as the frequency band 526,5 – 535,5 kHz is

allocated to mobile telecommunications service. Three of the MF channels have been designated as low power channels where the power may not exceed 1 kW. Currently medium to high power MF-AM transmitting sites are located at Meyerton, Springs, Komga, Ga-Rankuwa and Klipheuwel. The local authority and environmental considerations often limit the establishment of high power MF stations due to the large infrastructure associated with such stations and its interference impact on electronic systems.

South Africa has 37 channels registered with the ITU; of these 11 are in use with powers between 10 kW and 100 kW. At the ITU Geneva '75 Conference for MF-AM planning, it was resolved in the Final Acts that the provisions and resolutions adopted for the benefit of member and non-member states shall not be applied to the Government of the Republic of South Africa. The Authority has already undertaken a process of including all the assignments in the Master Register of the ITU. The South African MF-AM plan includes low power frequencies assigned to Community Radio services. Low power for MW applies to 1 kW or lower powers.

#### **VHF-FM Sound Broadcasting Band**

In the VHF FM sound-broadcasting band between 87.5 MHz and 108 MHz there are 204 channels, each of 100 kHz bandwidth. These are grouped into 31 groups of 6 channels, plus additional 18 channels. The groups are distributed in a uniform lattice where each node point relates to a transmitting area. This means that at any one transmitting site in an area the ITU plan provides for 6 channels or frequencies to be available for assignment. In areas of greatest demand, 12 channels were assigned to one area by combining 2 lattice node points. In order to provide national FM coverage it was necessary to locate high power transmitting stations approximately 110 km apart.

Although such a transmitting station may only have coverage radius of 30 - 50 km, interference from such a station can occur over hundreds of kilometres. In order to avoid mutual interference between stations operating on the same frequency, it is necessary for the signal from the wanted station to be between 37 dB and 46 dB

higher (i.e. 5 000 and 30 000 times stronger) than the interfering signal. Hence a high power FM frequency assignment can only be reused at a distance of close to 500 km. On the other hand, low power (e.g. 1 watt) FM transmitters using the same frequency can be situated some 10 km apart (depending on the terrain and broadcasting antenna characteristics and site height) due to its limited area of coverage and interference impact.

Due to constraints in receiver design, an average domestic FM radio receiver cannot discriminate between frequencies less than three channels apart. This places a further limitation on the number of VHF/FM frequencies available for assignment in an area.

#### **VHF TV Broadcasting Band**

The VHF television broadcasting band is between 174 MHz and 238 MHz and between 246 and 254 MHz. It contains only 9 channels of 8 MHz bandwidth each. A uniform lattice with multiple channels (3) at each node cannot be formed and used to assign frequencies on a national basis. These channels have been assigned in groups of 3 only to metropolitan areas and, where possible, also to rural areas, using a method of "foremost priority".

In the past, there has been a prohibition of adding a NICAM (Near Instantaneously Compounded Audio Multiplex) carrier for digital stereo sound to TV channel 13 (246 – 254 MHz) due to its interference to the public trunked mobile radio communication services located at 254 MHz and higher. The problem is made more noticeable by the fact that channel 13 is used with a slightly offset vision carrier of 247.43 MHz rather than the standard 247.25 MHz. This was originally done to avoid interference from the residual vestigial colour sub-carrier to the international distress frequency on 243 MHz.

Modern television transmitters no longer produce any significant residual vestigial colour sub-carrier. A technical solution has been found to the interference problem to mobile trunking services. The solution is to move the vision frequency by 300

kHz down to 247.13 MHz and to apply the narrower PAL-B/G "roll-off" filtering instead of the wider PAL-I version. This solution has been tested and all concerned parties have accepted the results. The Authority's Council has approved the introduction of NICAM in channel 13 as described above.

#### **UHF TV Broadcasting Band**

The UHF television broadcasting band between 470 MHz and 854 MHz contains 48 channels, each of 8 MHz bandwidth, arranged into 12 groups of 4 channels. This means that 4 channels are available for assignment at any one transmitting site on a national basis. In areas of greatest demand 7 to 11 channels have been assigned by combining lattice node points or where both VHF and UHF channels have been assigned to a particular area.

#### 4.7 Channel Numbering

**Table 3: Channel numbering in VHF FM band (band II)**

	A	B	C	D	E	F
1	87.6	92	90.7	94	93.9	97
2	87.7	93	90.8	95	94.0	98
3	87.8	94	90.9	96	94.1	99
4	87.9	95	91.0	97	94.2	100
5	88.0	96	91.1	98	94.3	101
6	88.1	97	91.2	99	94.4	102
7	88.2	98	91.3	100	94.5	103
8	88.3	99	91.4	101	94.6	104
9	88.4	40	91.5	102	94.7	105
10	88.5	41	91.6	103	94.8	106
11	88.6	42	91.7	104	94.9	107
12	88.7	43	91.8	105	95.0	108
13	88.8	44	91.9	106	95.1	109
14	88.9	45	92.0	107	95.2	110
15	89.0	46	92.1	108	95.3	111
16	89.1	47	92.2	109	95.4	112
17	89.2	48	92.3	110	95.5	113
18	89.3	49	92.4	111	95.6	114
19	89.4	50	92.5	112	95.7	115
20	89.5	51	92.6	113	95.8	116
21	89.6	52	92.7	114	95.9	117
22	89.7	53	92.8	115	96.0	118
23	89.8	54	92.9	116	96.1	119
24	89.9	55	93.0	117	96.2	120
25	90.0	56	93.1	118	96.3	121
26	90.1	57	93.2	119	96.4	122
27	90.2	58	93.3	120	96.5	123
28	90.3	59	93.4	121	96.6	124
29	90.4	60	93.5	122	96.7	125
30	90.5	61	93.6	123	96.8	126
31	90.6	62	93.7	124	96.9	127
<b>Additional channels:</b>						
63	93.8	95	97.0	96	97.1	128
130	100.6	163	103.8	164	103.9	165
199	107.4	200	107.5	201	107.6	202
						107.7
						203
						107.8
						204
						107.9

Table 4: Channel numbering in band III (174 – 238MHz and 246 – 254MHz)

Channel No.	Channel Limits (MHz)	Vision Carrier Frequency (MHz)
4	174 – 182	175.25
5	182 – 190	183.25
6	190 – 198	191.25
7	198 – 206	199.25
8	206 – 214	207.25
9	214 – 222	215.25
10	222 – 230	223.25
11	230 – 238	231.25
13	246 – 254	247.13 <sup>b</sup>

<sup>b</sup> Refer to Section 3.4.3 for explanation to the non-standard vision carrier frequency of channel 13

**Table 5 Channel Numbering in Band IV/V (470 – 954MHz)**

Channel No.	Channel Limits (MHz)	Vision Carrier Frequency (MHz)
21	470 – 478	471.25
22	478 – 486	479.25
23	486 – 494	487.25
24	494 – 502	495.25
25	502 – 510	503.25
26	510 – 518	511.12
27	518 – 526	519.25
28	526 – 534	527.25
29	534 – 542	535.25
30	542 – 550	543.25
31	550 – 558	551.25
32	558 – 566	559.25
33	566 – 574	567.25
34	574 – 582	575.25
35	582 – 590	583.25
36	590 – 598	591.25
37	598 – 606	599.25
38	606 – 614	607.25
39	616 – 622	615.25
40	622 – 630	623.25
41	630 – 638	631.25
42	638 – 646	639.25
43	646 – 654	647.25

44	654 - 662	655.25
45	662 - 670	663.25
46	670 - 678	671.25
47	678 - 686	679.25
48	686 - 694	687.25
49	694 - 702	695.25
50	702 - 710	703.25
51	710 - 718	711.25
52	718 - 726	719.25
53	726 - 734	727.25
54	734 - 742	735.25
55	742 - 750	743.25
56	750 - 758	751.25
57	758 - 766	759.25
58	766 - 774	767.25
59	774 - 782	775.25
60	782 - 790	783.25
61	790 - 798	791.25
62	798 - 806	799.25
63	806 - 814	807.25
64	814 - 822	815.25
65	822 - 830	823.25
66	830 - 838	831.25
67	838 - 846	839.25
68	846 - 854	847.25

#### 4.8 Frequency Tolerances

For both VHF and UHF TV bands, the tolerance shall be 500 Hz Table 6 show frequency tolerances for audio broadcasting.

**Table 6: Frequency Tolerances for Sound Broadcasting**

Frequency Band	Tolerance
535.5 kHz to 1606.5 kHz	±10 Hz
1606.5 kHz to 29.7 MHz	±10 Hz
87.5 MHz to 108 MHz	±2000 Hz

#### 4.9 Minimum Usable Field Strength

The minimum usable field strength values to be used to calculate coverage, using the associated technical parameters, are referred to as the service contour values and are specified in Table 7.

**Table 7: Service Contour Values used as Basis in Determination of Coverage Area**

MF	74 dB $\mu$ V/m
FM Monophonic	60 dB $\mu$ V/m
FM Stereophonic	66 dB $\mu$ V/m
TV VHF(Band III)	55 dB $\mu$ V/m
TV UHF(Band IV)	65 dB $\mu$ V/m
TV UHF(Band V)	70 dB $\mu$ V/m

The coverage can be calculated for each frequency, using the associated technical parameters, determining the effect of interfering transmitters and using the service contour values as defined in section 5.6.

The coverage calculation is based on a data terrain model and a specific prediction model. The prediction model must be applicable to the frequency band of operation. All interference from other transmitting stations must be taken into consideration whenever this calculation is performed. This calculation produces the usable (interference limited) service area.

The usable coverage area, as described in this section, must be used as the basis for all demographic calculations such as percentage population coverage figures.

#### 4.10 Spurious Emission Power Levels

This is an emission on a frequency or frequencies outside the necessary bandwidth and which may be reduced without affecting the corresponding transmission of information. Spurious emission includes harmonic emission, parasitic emissions, intermodulation products and frequency conversion products but exclude out of band emissions. The maximum permitted levels of spurious emissions, in terms of the mean power level of any spurious component supplied by a transmitter to the antenna transmission line shall be as set out in table below:

Table 8: Spurious Emission Limits for Sound Broadcasting

Frequency Band	Spurious Emission Level
535.5 kHz to 1606.5 kHz	40 dB/50 mW
87.5 MHz to 108 MHz	
Transmitter output power > 25 W	60 dB/1 mW
Transmitter output power < 25 W	40 dB/25 µW

**Table 9: Spurious Emission Power Levels for Television Broadcasting**

Frequency band	Spurious Emission Level
174 – 254 MHz and 470 – 854 MHz	
* Tx o/p > 25 W	* 60 dB/1 mW
* Tx o/p < 25 W	* 40 dB/25 µW

#### 4.11 Statistical Information

The frequency plan in this document contains all the foregoing and the amendments and additional assignments referred to elsewhere in this document.

**Table 10: Statistical Information of analogue audio broadcasting frequency assignments**

SERVICE CATEGORY	MW	FM	SELF-HELP	TOTAL
Commercial	17	224	1	242
Community	20	340	0	360
Public	15	760	42	817
<b>TOTAL</b>	<b>52</b>	<b>1324</b>	<b>43</b>	<b>1419</b>

**Table 11: Statistical information of analogue television broadcasting frequency assignments**

SERVICE CATEGORY	VHF/UHF	SELF-HELP	Total
Commercial	230	268	498
Community	10	1	11
Public National	485	770	1255
DTT	460	0	460
Mobile DTT	73	0	73
<b>TOTAL</b>	<b>1258</b>	<b>1039</b>	<b>2297</b>

#### **4.12 Assignments for Sound Broadcasting Services**

This subsection covers the frequency assignments for the sound-broadcasting services as defined by the ITU, for the categories used in the RSA, viz. VHF/FM and MF/AM. The description of the categories, their frequency assignment tables and relevant definitions are given in the subsections to follow.

##### **Sound VHF FM audio broadcasting**

Frequency assignments for audio VHF FM broadcasting are given in Annexure A. It is based on the ITU Geneva Plan of 1984 (GE84).

##### **Sound MF/AM audio broadcasting**

Frequency assignments for audio MF/AM broadcasting are given in Annexure C. It is based on the ITU Geneva Plan of 1975 (GE75). Frequencies in South Africa are also assigned to theoretical stations, which are available for future use.

#### **4.13 Television Broadcasting Services**

Frequency assignments for VHF and UHF television broadcasting are given in Annexure D. It is based on the ITU Geneva Plan of 2006 (GE06). The plan incorporates two national Digital Terrestrial Television (DTT) frequency networks using DVB-T standard. It also incorporates two metropolitan DTT frequency networks planned for the use of DVB-H standard. Both standards were considered in the GE-06 plan. Annexure F shows national DTT networks. Annexure G shows metropolitan networks for both DVB-T and DVB-H.

Frequencies assigned to TV low power stations are invariably in the UHF band. Orthogonal polarisation, relative to that of high power stations, is used in order to increase frequency usage as a result of reduced interference levels with orthogonal polarisation. Orthogonal polarisation and frequency offset is also used between high power transmissions to decrease interference experienced and increase frequency use, in an analogue broadcasting environment.

#### **4.14 Terrestrial Self- Help Stations Assignments**

Self-help broadcasting relay transmitting stations are transmitting stations established, owned and operated by entities such as municipalities, farmers associations, business organisations and individuals. The purpose of a self-help station is to relay a programme service to an area where the programme service cannot easily be received through the regular transmissions, i.e. where the coverage is insufficient. Self-help broadcasting relay transmitting stations are extensions of the broadcaster's network and have been operating under the broadcaster's licence. The broadcasters involved are the SABC, e-tv and M-Net.

Self-help relay transmitting stations are used for both sound and television broadcasting. It is envisaged that the need for self-help stations will continue, with the purpose probably shifting from providing coverage to facilitating lower-cost communal reception. Frequency assignments for VHF FM self help stations are

given in Annexure B. Frequency assignments for VHF and UHF television broadcasting are given in Annexure E.

#### **4.15 Technical Standards and Transmission Characteristics Applicable to DTT**

The technical standards and transmission characteristics for digital broadcasting will be in accordance with the GE-06 plan, which South Africa is a signatory. The implementation of digital broadcasting and transmission characteristics will be in accordance with the GE-06 plan (See annexure I).

#### **4.16 Generic definition of terms used in the table of assignments**

##### **Station name**

The station name is the internationally co-ordinated name of the transmitting station or area location. The name was decided upon using the following guidelines:

- In cases where the site is located in or near a city, major town or suburb, the respective name is used.
- In cases where it is not located near a city or town the name of a relevant hill, mountain or other well-known geographical feature is used.
- In some cases, a station name has been used but the station does not yet exist, neither is there any development at the site. The station name in those cases is a provisional name that is associated with a theoretical lattice node point.

##### **Latitude and Longitude**

This is the nominal co-ordinates of the station in degrees, minutes and seconds, south and east. In those cases where a site has not yet been developed i.e. where the frequency is assigned to a theoretical lattice point, the co-ordinates are those of the theoretical point.

**Channel No. (Chan.)**

Channel numbering is applicable to only Television frequency assignments. This is the number of the frequency channel, according to the ITU designation.

**Frequency (Freq.)**

For VHF/FM assignments, this is specified in megahertz (MHz). In the case of MF/AM, it is specified in kilohertz (kHz).

**Vision frequency (Freq.)**

Vision frequency is applicable to Television assignments in analogue format in the tables. It is the frequency of the vision carrier in megahertz (MHz). The sound-carrier frequency is not given. It is 6 MHz above the vision carrier in all cases in analogue broadcasting.

**Offset**

Offset is also applicable to only Television frequency assignments in analogue. It is the frequency offset from the nominal frequency given in the assignment plan to reduce co-channel interference. The offset may be positive (P), i.e. the frequency is greater than the nominal frequency or negative (N), and i.e. the frequency is less than the nominal frequency. The letters P or N are preceded by the offset in twelfths of the line frequency (e.g. 20P means that the frequency is  $20/12 \times 15.625$  kHz above the nominal frequency).

In the majority of cases of self-help relay stations, because of the low ERP employed and the type of equipment used, there is a lesser strict frequency tolerance than in the main and the gapfiller stations. This precludes the use of offset in these assignments.

**ERP**

This is applicable to VHF/FM and Television frequency assignments. ERP is the maximum effective radiated power. In the case of an omni-directional antenna it is

the maximum effective radiated power in any direction. In the case of a directional antenna it is the effective radiated power in the direction of maximum gain. The ERP is specified in kilowatts (kW) and is sometimes rounded off to the nearest integer.

#### **EMRP**

This is the effective monopole radiated power applicable to MF/AM assignments. This is the power supplied to the antenna, multiplied by the antenna gain referred to that of a short vertical antenna in the horizontal plane.

#### **Polarisation (Pol.)**

This column indicates the dominant polarisation mode of the transmitting antenna, while transmission in the other mode is minimal, unless slant or circular polarisation is specified. The dominant polarisation is normally either horizontal (H) or vertical (V).

#### **Programme Service (programme)**

This is the name of the programme service carried by the transmission.

#### **On-air Date**

This is the date on which the transmitter went on the air. Where the date is omitted, the frequency is either available for future use at the station site or available for re-assignment to a site in the vicinity of the theoretical lattice point in the GE84 (See definition of "Status") or the broadcaster has not supplied the Authority with this information.

#### **Status**

The Status column indicates which frequency assignments are:

- Operational - In which case the status is indicated as OPE or OP;

- Spare - in which case the Status is indicated as SPA or SP. A frequency with SPA or SP status is either assigned to an already developed site, or a theoretical lattice node point;
- Licensed - in which case, the Status is indicated as LIC or LI. This frequency status means that it has been assigned to a broadcasting licensee by the Authority but that the technical parameters have not yet been finalised or the broadcasting service is not yet on air at this site. LIC or LI is an intermediate stage between SPA/SP and OPE/OP;
- Under Technical Investigation - In which case the Status is indicated as ICASA.

Stations with a status of OP, SP or LI are stations in the national database which have not yet been or are in the process of being internationally co-ordinated

#### **Category (Cat)**

In the respective columns of Category, the categorisation of the frequency assignment is given as follows:

- PBS - Public Broadcasting Service as per the definition in chapter one of the EC Act 36 of 2006.
- CML - Commercial Broadcasting as per the definition in chapter one of the EC Act 36 of 2005 and
- CTY - Community Broadcasting Service as per the definition in chapter 1 of the EC Act 36 of 2005.

A blank category field indicates that the frequency has not yet been assigned to any service.

**Allotment**

*'Allotment (of a radio frequency or 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'<sup>6</sup>*

**Assignment**

*'Assignment (of a radio frequency or radio frequency channel). Authorization given by an administration for a radio station to use a radio frequency channel under specified conditions'<sup>7</sup>.*

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<sup>6</sup> Radio Regulations, International Telecommunications Union, RR1.12

<sup>7</sup> Radio Regulations, International Telecommunications Union, RR1.18

**References****ITU [1975] (GE75)**

Final Acts of the Regional Administration LF/MF Broadcasting Conference (Regions 1 and 3), Geneva 1975 (ITU, Geneva, 1975)

**ITU [1984] (GE84)**

Final Acts of the Regional Administrative Radio Conference for the planning of VHF sound broadcasting, (Region 1 and part of Region 3), Geneva 1984 (ITU, Geneva, 1984)

**ITU [2006](GE06)**

Final Acts of the Regional Radio communications Conference for 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 (RRC-06)

**ITU [2004]**

Radio Regulations, edition of 2004 (ITU, Geneva, 2004)

**EC ACT**

Electronic communications Act, No. 36 of 2005

**TRIPLE INQUIRY REPORT**

Independent Broadcasting Authority Triple Inquiry Report 1995

**SATFA**

South African Table of Frequency Allocations (20MHz – 70GHz)

## **ANNEXURES**

- Annexure A: VHF/FM Frequency Assignments
- Annexure B: VHF/FM Self-Help Frequency Assignments
- Annexure C: MW Frequency Assignments
- Annexure D: Television Frequency Assignments
- Annexure E: Television Self-Help Frequency Assignments
- Annexure F: DTT Frequency Networks
- Annexure G: Mobile DTT Frequency Networks
- Annexure H: Frequency Changes
- Annexure I: Digital Technical Parameters
- Annexure J: Square Kilometre Array (SKA) affected frequencies



## ANNEXURE A

### VHF/FM FREQUENCY ASSIGNMENTS

## ANNEXURE A VHF/UHF FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ (MHz)	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE		ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
1	ALEXANDER BAY	0°18'23.49"	23°53'36.32"	162.2	0.05	V	RSG	01-Feb-78	OPE	PBS
2	AGTER-KRUISENBERG	0°16'17.74"	23°51'46.00"	98.8	0.02	V	RSG		LC	PBS
3	ALEXANDER BAY	0°15'29.97"	23°53'36.17"	98.1	12	V			SPA	CTY
4	ALEXANDER BAY	0°15'29.49"	23°53'36.30"	98.4	0.05	V	K-FM	01-Feb-78	OPE	CIV
5	ALEXANDER BAY	0°15'29.49"	23°53'36.30"	98.2	0.05	V	S-FM	01-Dec-89	OPE	PBS
6	ALEXANDER BAY	0°15'29.49"	23°53'36.30"	98.3	0.05	V	2000	01-Dec-86	OPE	PBS
7	ALEXANDER BAY	0°15'29.49"	23°53'36.30"	105.8	0.05	V	SAFM	01-Feb-78	OPE	PBS
8	ALEXANDRA	028E05.00	29°54'04.00	85.1	0.01	N	ALEX FM	29-Jun-95	OPE	CTY
9	ALICE	028E05.00	32°54'00.00	74.5	32	V			SPA	PBS
10	ALICE	028E05.00	32°54'00.00	87.2	32	V			SPA	CTY
11	ALICE	028E05.00	32°54'00.00	91.3	32	V			SPA	PBS
12	ALIWAL NORTH	028E34.00	32°54'7.05"	107.2	0.5	V			SPA	CTY
13	ALIWAL NORTH	028E34.00	32°54'7.05"	98.3	1	V	TAARLANI		OPE	CTY
14	ALIWAL NORTH	028E34.00	32°54'7.05"	101.7	12	V	RSG	01-Dec-67	CHE	PBS
15	ALIWAL NORTH	028E34.00	32°54'7.05"	94.5	12	V	ALCOA	01-Dec-67	OPE	CIV
16	ALIWAL NORTH	028E34.00	32°54'7.05"	88.4	12	V	LEGED-	01-Dec-67	OPE	PBS
17	ALIWAL NORTH	028E34.00	32°54'7.05"	105.3	12	V	SAFM	01-Dec-67	OPE	PBS
18	ALIWAL NORTH	028E34.00	32°54'7.05"	81.2	12	V	NEKE	01-Dec-67	OPE	PBS
19	ANDRIESKRAAL	024E42.35	33°54'6.37"	103.2	0.01	V	RSG	01-Mar-87	OP	PBS
20	ANDRIESKRAAL	024E42.35	33°54'6.37"	98.2	0.01	V			SPA	CTY
21	ANDRIESKRAAL	024E42.35	33°54'6.37"	95.2	0.01	V	ALCOA	01-Mar-87	OP	CIV
22	ANDRIESKRAAL	024E42.35	33°54'6.37"	92.1	0.01	V			SPA	PBS
23	ANDRIESKRAAL	024E42.35	33°54'6.37"	108.3	0.01	V	SAFM	01-Mar-87	OP	PBS
24	ANDRIESKRAAL	024E42.35	33°54'6.37"	93.2	0.01	V	NEKE	01-Mar-87	OP	PBS
25	ATLANTIS	0°18'29.24"	21°53'4.00	107.9	0.1	V	ATLA	01-Sep-95	OPE	CTY
26	BALI DUIT	028E14.07	28°53'39.57"	107.6	12	V	SAFRK	30-Apr-86	OPE	CTY
27	BALFOUR	028E13.07	28°53'39.57"	97.8	1	V			SPA	CTY
28	BARKLY EAST	027E26.00	30°55'1.30"	94.5	0.5	V			SPA	PBS
29	BARKLY EAST	027E26.00	30°55'1.30"	87.8	0.5	V			SPA	PBS
30	BARKLY EAST	027E26.00	30°55'1.30"	92.4	0.5	V			SPA	PBS
31	BARKLY EAST	027E26.00	30°55'1.30"	100.9	0.5	V	RSG	01-Apr-86	OPE	PBS
32	BARKLY EAST	027E26.00	30°55'1.30"	104.5	0.5	V	SAFM	01-Apr-86	OPE	PBS
33	BARKLY EAST	027E26.00	30°55'1.30"	90.5	0.5	V	NEKE	01-Apr-86	OPE	PBS
34	BLAIDWYN WEST	022E30.25	32°51'5.39"	87.6	1	V	GANKALAND		OP	CTY
35	BEAUFORT WEST	022E30.25	32°51'5.39"	97.2	50	V			SPA	PBS
36	BEAUFORT WEST	022E30.25	32°51'5.39"	93.5	10	V	K-FM	01-Apr-81	OPE	CIV
37	BEAUFORT WEST	022E30.25	32°51'5.39"	100.7	10	V	RSG	01-Apr-81	OPE	PBS
38	BEAUFORT WEST	022E30.25	32°51'5.39"	104.3	10	V	SAFM	01-Apr-81	OPE	PBS
39	BEAUFORT WEST	022E30.25	32°51'5.39"	92.7	10	V	NEKE	01-Apr-81	OPE	PBS
40	BEDFORD	026E12.57	21°53'7.17"	97.3	1	V			SPA	CTY
41	BEDFORD	026E12.57	21°53'7.17"	87.7	5	V			SPA	CTY
42	BEDFORD	026E12.57	21°53'7.17"	94	5	V	ALPCA	01-Apr-86	OPE	CIV
43	BEDFORD	026E12.57	21°53'7.17"	100.8	5	V	RSG	01-Apr-86	OPE	PBS
44	BEDFORD	026E12.57	21°53'7.17"	104.4	5	V	SAFM	01-Apr-86	OPE	PBS
45	BEDFORD	026E12.57	21°53'7.17"	90.8	5	V	NEKE	01-Apr-86	OPE	PBS
46	BENONI	028E16.51	26°51'2.56"	93.9	0.1	V	EAST RAHO		OP	CTY
47	BETHJOHN	027E35.14	24°53'3.38"	103	0.25	V			SPA	PBS
48	BETHJOHN	027E35.14	24°53'3.38"	99.5	0.05	V			SP	PBS
49	BETHMINE	027E35.14	24°53'3.38"	106.8	0.05	V			SP	CTY
50	BETHLEHEM	028E24.58	28°51'8.10"	87.1	1	V			SP	CTY
51	BETHLEHEM	028E24.58	28°51'8.10"	102.6	1	V			SP	CTY
52	BETHLEHEM	028E24.58	28°51'8.10"	87.6	1	V			SPA	CTY
53	BETHLEHEM	028E24.58	28°51'8.10"	101.8	10	V	RSG	01-Dec-86	OPE	PBS
54	BETHLEHEM	028E24.58	28°51'8.10"	88.8	10	V	LESLO	01-Dec-86	OPE	PBS
55	BETHLEHEM	028E24.58	28°51'8.10"	85.1	10	V	ORAHLE	01-Aug-72	OPE	CIV
56	BETHLEHEM	028E24.58	28°51'8.10"	88.4	10	V	2000	01-Dec-86	OPE	PBS
57	BETHLEHEM	028E24.58	28°51'8.10"	105.5	10	V	SAFM	01-Dec-86	OPE	PBS

## ANNEXURE A. VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	C&G CO-ORDINATES		FREQ (MHz)	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	ELEVITUDE		ERP (kW)	POL	PROGRAMME	ON AIR DATE	STATUS	CAT
58	BETHLEHEM	026629.36	28514.12	101.9	10	V	LHM021	01-Dec-66	OPE	PBS
59	BLING	026627.00	28511.12	100.2	9.4	V	CISKEI	01-Dec-81	OPE	PBS
60	BLDENFONTEIN	026613.50	28506.13	101.8	5.2	V			SPA	CIV
61	BLDENFONTEIN	026613.50	28506.13	101.7	5.2	V			SPA	CIV
62	BLDENFONTEIN	026613.50	28506.13	101.2	3.6	V			SPA	CIV
63	BLDENFONTEIN	026613.50	28506.13	101.5	3.6	V			SPA	CIV
64	BLDENFONTEIN	026613.50	28506.13	101.5	3.6	V	MOTHEO		LIC	CIV
65	BLDENFONTEIN	026613.50	28506.13	104.1	3	V			SPA	CIV
66	BLDENFONTEIN	026613.50	28506.13	101	10	V	RSO	01-Jan-64	OPE	PBS
67	BLDENFONTEIN	026613.50	28506.13	101.6	10	V	SFM	01-Dec-81	OPE	PBS
68	BLDENFONTEIN	026613.50	28506.13	101.9	5.2	V	LESEDI	01-Jan-64	OPE	PBS
69	BLDENFONTEIN	026613.50	28506.13	101.1	5.2	V	WE1ND	01-Apr-90	OPE	FBS
70	BLDENFONTEIN	026613.50	28506.13	93	7.2	V	MOTSW	01-Jan-64	OPE	FBS
71	BLDENFONTEIN	026613.50	28506.13	96.2	7.2	V	OPRAH	01-Apr-64	OPE	CIV
72	BLDENFONTEIN	026613.50	28506.13	99.5	7.2	V	PHOC	01-Jan-64	OPE	PBS
73	BLDENFONTEIN	026613.50	28506.13	108.3	7.2	V	SAPM	01-Jan-64	OPE	PBS
74	BLDENFONTEIN	026613.50	28506.13	94.8	7.2	V	WE1ND	01-Dec-93	OPE	FBS
75	BLDENFONTEIN1	026613.02	28506.34	92	9.02	V	SHALAH	01-Aug-96	OPE	CIV
76	BLDENFONTEIN2	026613.48	28506.29	102.9	6	V	ROSES1	01-Dec-96	OPE	CIV
77	BLOLBERG	026559.13	28504.19	95.5	0.2	V	JAKR	01-Jan-65	OPE	CIV
78	BLOLBERG	026559.12	28504.19	102.3	0.2	V	RSO	01-Jan-64	OPE	PBS
79	BLQUEPPG	026559.12	28504.19	92.2	0.2	V	MOTSW	01-Jun-85	OPE	PBS
80	BLQUEPPG	026559.12	28504.19	105.9	0.2	V	SAPM	01-Jun-85	OPE	PBS
81	BLUBLBKG	026559.13	28504.19	95.2	0.2	V	THOREXIA	01-Jun-85	OPE	PBS
82	BOESMANSKOP	027E12.53	30500.28	97.7	10	V			SPA	CIV
83	BOESMANSKOP	027E12.53	30500.28	94.8	5.48	V	OFM	06/07/2004	OPE	CIV
84	BOESMANSKOP	027E12.53	30500.28	91.2	22	V			SPA	PBS
85	BOESMANSKOP	027E12.53	30500.28	101.2	22	V	RSO	01-Nov-85	OPE	PBS
86	BOESMANSKOP	027E12.53	30500.28	88.1	22	V	LESEDI	01-Nov-85	OPE	PBS
87	BOESMANSKOP	027E12.53	30500.28	104.8	22	V	SAPM	01-Nov-85	OPE	PBS
88	BOFH THOM	027E59.16	37507.39	88.2	10	V			SPA	PBS
89	BOFH THOMU	027E59.16	37507.39	91.4	4	V			SPA	CIV
90	BOFH THOMO	027E59.16	37507.39	94.6	10	V			SPA	PBS
91	BOFOLOKA	026E41.06	28525.43	89.3	0.25	V	SGTLO		OPE	CIV
92	BRIT'S	027E53.15	28547.40	106.6	0.5	V	MAGALIES	01-Aug-96	OPE	CIV
93	BRONKHORSTSPNL	026E30.26	28548.26	104.2	5	V	EPATORIA	01-Aug-96	OPE	CIV
94	BUJERGSDORP	026E20.21	31500.19	93.8	-	V			SPA	CIV
95	BUJERGSDORP	026E20.21	31500.22	90	-	V	UNIQUE	01-Jul-01	OPE	CIV
96	BUJERGSDORP	026E20.21	31500.22	103.9	0.03	V	RSO	01-Sep-81	OPE	PBS
97	BUJERGSDORP	026E20.21	31500.22	101.8	0.03	V	SAPM	01-Sep-81	OPE	PBS
98	BUJERGSDORP	026E20.21	31500.22	97.1	0.02	V	N1NI	01-Jan-94	OPE	PBS
99	BUSIBUCKARIDGE	026E04.30	24551.21	88.4	2.5	V	BUSHBUCK	01-Dec-96	OPE	CIV
100	BUTTERWORTH	026E12.25	32519.25	98	15	V			SPA	CIV
101	BUTTERWORTH	026E12.25	32516.25	106.1	0.1	V	KIGANTA		OPE	CIV
102	BUTTERWORTH	026E12.25	32516.25	94.3	15	V			SPA	CIV
103	BUTTERWORTH	026E12.25	32516.25	101.1	15	V	RSO	01-Jan-64	OPE	PBS
104	BUTTERWORTH	026E12.25	32516.25	107.8	15	V	2000	01-Nov-92	OPE	PBS
105	BUTTERWORTH	026E12.25	32516.25	104.2	15	V	SAPM	01-Jan-64	OPE	PBS
106	BUTTERWORTH	026E12.25	32516.25	91.1	45	V	WE1ND	01-Dec-91	OPE	PBS
107	CALA	027E45.02	31523.15	98.8	0.5	V	NUKAN	01-Aug-97	OPE	CIV
108	CALA	027E45.02	31523.15	98.8	30	V			SPA	CIV
109	CALA	027E45.02	31523.15	101.4	15	V	RSO	01-Mar-85	OPE	PBS
110	CALA	027E45.02	31523.15	92.3	15	V	LESEDI	01-Dec-84	OPE	PBS
111	CALA	027E45.02	31523.15	107	15	V	SAPM	01-Mar-85	OPE	PBS
112	CALA	027E45.02	31523.15	93.4	15	V	WE1ND	01-Dec-84	OPE	PBS
113	CALA	027E45.02	31523.15	100.3	0.1	V			SPA	CIV
114	CALVINA	026E46.52	31523.05	86	1	V	KABODESK		OPI	CIV

## ANNEXURE A. VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ (MHz)	ANTENNA		ADMINISTRATIVE RECORDS				
		LONGITUDE	LATITUDE		1 MHz	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
115	CALVINA	015E46.57	31523.03	91.5	SL	V				SPA	CML
116	CALVINA	015E46.57	31523.03	88.4	SL	V				SPA	PBS
117	CALVINA	015E46.57	31523.03	84.7	10	V	X-FM	01-May-79	OPE	CML	
118	CALVINA	015E46.57	31523.03	101.2	10	V	RSG	01-May-79	OPE	PBS	
119	CALVINA	015E46.57	31523.03	105.1	10	V	SAFM	01-May-79	OPE	PBS	
120	CAPE TOWN	018E21.15	34820.15	80.4	10	V				SPA	CML
121	CAPE TOWN	018E21.15	34820.15	102.1	10	V	RSG	01-Jan-63	OPE	PBS	
122	CAPE TOWN	018E21.15	34820.15	86	10	V	SFM	01-Sep-88	CPI	FBS	
123	CAPE TOWN	018E21.15	34820.15	81.6	10	V	2000	01-Jan-63	OPE	PBS	
124	CAPE TOWN	018E21.15	34820.15	95.3	10	V	2000/HOP	01-Jan-63	OPE	PBS	
125	CAPE TOWN	018E21.15	34820.15	105.1	10	V	SFM	01-Jan-63	OPE	PBS	
126	CAPE TOWN	018E21.15	34820.15	92.1	10	V	NET	01-Jan-63	OPE	FAS	
127	CAPE TOWN 1	018E21.15	31527.30	104.5	2.02	V	JCT	01-Jul-96	OP	CIV	
128	CARNARVON	222E22.29	30554.14	99	10	V			SPA	CIV	
129	CARNARVON	222E22.29	30554.14	92.5	10	V			SPA	CML	
130	CARNARVON	222E22.29	30554.14	85.4	10	V			SPA	PBS	
131	CARNARVON	222E22.29	30554.14	95.2	10	V	4-FM	01-Jan-78	OPE	CML	
132	CARNARVON	222E22.29	30554.14	102.5	10	V	RSG	01-Oct-72	OPI	PBS	
133	CARNARVON	222E22.29	30554.14	106.1	10	V	SFM	01-Oct-72	OPI	PBS	
134	CAROLINA	020E37.57	26520.37	95.2	2	V			SPA	CIV	
135	CAROLINA	020E37.57	26520.37	98.2	2	V	AMR	01-Jan-88	OPE	CML	
136	CAROLINA	020E37.57	26520.37	102.1	2	V	RSG	01-Feb-88	OPE	PBS	
137	CAROLINA	020E37.57	26520.37	83	2	V	LCWA	01-Apr-82	OPI	PBS	
138	CAROLINA	020E37.57	26520.37	94.8	6.9	V	M-POWER		OP	CML	
139	CAROLINA	020E37.57	26520.37	106.6	9	V	SFM	01-Feb-88	OPE	PBS	
140	CARDINA	020E37.57	26520.37	89.5	9	V	LC-DX	01-Jun-99	OPI	PBS	
141	CERES	018E27.32	32315.12	91.7	1	V			SPA	CIV	
142	CERES	018E27.32	32315.12	100.2	20	V			SPA	PBS	
143	CERES	018E27.32	32315.12	90.6	20	V			SPA	PBS	
144	CERES	018E27.32	32315.12	96.9	20	V	4-FM	01-Dec-71	OPE	CML	
145	CERES	018E27.32	32315.12	102.2	20	V	RSG	01-Dec-71	OPE	PBS	
146	CERES	018E27.32	32315.12	107.1	20	V	SFM	01-Dec-71	OPE	PBS	
147	CHRISTIANA	024E55.30	27550.00	85.8	70	V			SPA	CIV	
148	CHRISTIANA	024E55.30	27550.00	100.1	11	V	RSG	01-May-70	OPI	PBS	
149	CHRISTIANA	024E55.30	27550.00	96.8	5.5	V	OPRAWE	01-May-70	OPI	CML	
150	CHRISTIANA	024E55.30	27550.00	80.5	11	V	MOTSW	01-May-70	OPE	PBS	
151	CHRISTIANA	024E55.30	27550.00	107.2	11	V	SFM	01-May-70	OPE	PBS	
152	CLARKSON	024E25.48	34521.29	108.1	1	V			SPA	CIV	
153	COMINYABA	027E33.00	32513.00	88.4	1	V			SPA	PBS	
154	COMINYABA	027E33.00	31515.57	91.8	10	V	INTHE		OP	PBS	
155	COLESBERG	025E13.28	30542.30	87	2.02	V			SPA	CML	
156	COLESBERG	025E13.28	30542.30	100.4	1	V			SPA	CIV	
157	COLESBERG	025E13.28	30542.30	109.8	0.52	V	RSG	01-Sep-91	OP	PBS	
158	COLESBERG	025E13.28	30542.30	107.5	0.52	V	SFM	01-Sep-91	OP	PBS	
159	COLESBERG	025E13.28	30542.30	93.8	0.52	V	4-FM	01-May-98	OPE	PBS	
160	CRADOCK	025E12.27	32515.51	88.6	12	V			SPA	CIV	
161	CRADOCK	025E12.27	32515.51	99.2	12	V			SPA	PBS	
162	CRADOCK	025E12.27	32515.51	95.9	12	V	LCWA	01-Sep-88	OPE	CML	
163	CRADOCK	025E12.27	32515.51	102.1	12	V	RSG	01-Sep-88	OPE	PBS	
164	CRADOCK	025E12.27	32515.51	108.3	12	V	SFM	01-Sep-88	OPE	PBS	
165	CRADOCK	025E12.27	32515.51	92.3	12	V	RFST	01-Sep-88	OPE	PBS	
166	CRADOCK ROADS	025E12.27	32515.51	93.0	12	V			SPA	CIV	
167	DAVEL	029E37.24	29521.50	105.8	12	V	W-MORN R		OP	CML	
168	DAVEL	029E37.24	29521.50	107.3	1	V			OP	CIV	
169	DAVEL	029E37.24	29521.50	103.5	12	V	RSG	01-Aug-88	OPE	PBS	
170	DAVEL	029E37.24	29521.50	90.4	12	V	SFM	01-Aug-88	OPE	PBS	
171	DAVEL	029E37.24	29521.50	95.7	12	V	W-MORN R	01-Aug-88	OPE	CML	

## ANNEXURE A: VHF/TM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTERING STATION NAME	GEO CO-ORDINATES		FREQ (MHz)	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE		ERP (W)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
122	DAVEL	229E27.06	26527.30	94.5	10	V	KWV	01-Jan-94	OPE	PBS
123	DAVEL	229E27.24	26527.10	88.2	10	V	LESEDI	01-Apr-93	OPE	PBS
124	DAVEL	229E27.24	26527.30	91.0	10	V	LOWA	01-Apr-93	OPE	PBS
125	DAVEL	229E27.26	26527.30	102	10	V	2050	01-Aug-86	OPE	PBS
126	DAVEL	229E27.26	26527.30	107.1	10	V	SAFM	01-Apr-86	OPE	PBS
127	DAVEL	229E27.26	26527.30	93.5	10	V	UMHLOZI	01-Apr-86	OPE	PBS
128	DE AAR	224E51.95	30540.26	88.9	+	V	LOWA		U/C	CIV
129	DE AAR	223E56.16	30527.49	98.5	10	V			SPA	PBS
130	DE AAR	223E55.16	30527.46	93.8	10	V			SPA	CIV
131	DE AAR	223E59.16	30527.46	85.2	10	V			SPA	CIV
132	DE AAR	223E59.16	30527.49	104	+	V			SPA	PBS
133	DE AAR	223E59.16	30527.49	702	10	V	RSG	01-Sep-69	OPE	PBS
134	DE AAR	223E59.16	30527.49	105.8	10	V	SAFM	01-Sep-69	OPE	PBS
135	DE AAR	223E59.16	30527.49	92	10	V	NET	01-Jun-94	OPE	PBS
136	DEBBERSHULE	022E13.00	26516.00	99.4	10	V			SPA	PBS
137	DEBBERSHULE	022E13.00	26536.00	85.7	10	V			SPA	CIV
138	DEBBERSHULE	022E12.00	26536.00	82.5	10	V			SPA	PBS
139	DEBBERSHULE	022E12.00	26536.00	102.5	10	V			SPA	CIV
140	DEBBERSHULE	022E12.00	26536.00	99	10	V			SPA	PBS
141	DEBBERSHULE	022E12.00	26536.00	105.1	10	V			SPA	PBS
142	DEBORTSHOORN	024E17.14	28522.57	98	5	V			SP	CIV
143	DEVILS BELLOWS	025E34.34	27525.25	101.3	10	V			SPA	CIV
144	DEVILS BELLOWS	025E34.34	28513.23	104.9	10	V			SPA	PBS
145	DEVILS BELLOWS	025E34.34	28524.21	92.8	10	V			SPA	PBS
146	DONNYBROOK	229E51.16	29554.56	82.6	10	V	WILDCARD		SPA	CIV
147	DONNYBROOK	229E51.16	29554.56	95.2	10	V	EGCAST	01-Jan-71	OPE	CIV
148	DONNYBROOK	229E51.16	29554.56	102.7	10	V	RSG	01-Jan-71	OPE	PBS
149	DONNYBROOK	229E51.16	29554.56	99.3	10	V	2040	01-Jan-71	OPE	PBS
150	DONNYBROOK	229E51.16	29554.56	106.3	10	V	SAFM	01-Jan-71	OPE	PBS
151	DONNYBROOK	229E51.16	29554.56	92.7	10	V	UMHLOZI	01-Jan-71	OPE	PBS
152	DOUGLAS	025E31.49	29504.14	92.9	10	V			SPA	CIV
153	DOUGLAS	025E31.49	29504.14	89.8	10	V			SPA	CIV
154	DOUGLAS	025E31.49	29504.14	59.4	10	V			SPA	PBS
155	DOUGLAS	025E31.49	29504.14	96.1	9	V	DRILL	01-Feb-71	OPE	CIV
156	DOUGLAS	025E31.49	29504.14	102.5	9	V	RSG	01-Feb-71	OPE	PBS
157	DOUGLAS	025E31.49	29504.14	105.5	9	V	SAFM	01-Feb-71	OPE	PBS
158	DULLSTROOM	030E11.17	25534.21	101.5	10	V	M-POWER		U/C	CIV
159	DULLSTROOM	030E11.17	25534.21	87.3	10	V			SPA	CIV
160	DULLSTROOM	030E11.17	25534.21	109.1	10	V			SP	CIV
161	DULLSTROOM	030E11.17	25534.21	90.1	10	V			SPA	CIV
162	DULLSTROOM	030E11.17	25534.21	100.8	10	V	RSG	01-Oct-67	OPE	PBS
163	DULLSTROOM	030E11.17	25534.21	94	10	V	NET	01-Oct-67	OPE	CIV
164	DULLSTROOM	030E11.17	25534.21	107.7	10	V	KWL	01-May-69	OPE	PBS
165	DULLSTROOM	030E11.17	25534.21	92.8	10	V	LOWA	01-Oct-67	OPE	PBS
166	DULLSTROOM	030E11.17	25534.21	104.4	10	V	SAFM	01-Oct-67	OPE	PBS
167	DULLSTROOM	030E11.17	25534.21	87.7	10	V	THOBELA	01-Oct-67	OPE	PBS
168	DURBAN	290E43.00	29548.11	98.5	25	M	DRAMA	01-Apr-94	OPE	CIV
169	DURBAN	290E43.00	29548.11	106.8	25	M	LESEDI		OP	PBS
170	DURBAN	290E43.00	29548.11	96.8	25	M	WBSM	01-Dec-00	OPE	CIV
171	DURBAN	290E43.00	29548.11	100	25	M			SPA	CIV
172	DURBAN	290E43.00	29548.11	61.5	0.25	V	HNOV	01-Sep-02	OPE	CIV
173	DURBAN	290E43.00	29548.11	100.8	25	M	RSG	01-Jan-63	OPE	PBS
174	DURBAN	290E43.00	29548.11	94	25	M	EGCAST	01-May-67	OPE	CIV
175	DURBAN	290E43.00	29548.11	89.9	25	M	SFM	01-Aug-68	OPE	PBS
176	DURBAN	290E43.00	29548.11	87.7	25	M	LOTUS	01-Jan-63	OPE	PBS
177	DURBAN	290E43.00	29548.11	93	25	M	METRO	01-Aug-67	OPE	PBS
178	DURBAN	290E43.00	29548.11	87.2	25	M	ZOO	01-Apr-69	OPE	PBS

## ANNEXURE A - VHF/TM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES		FREQ (MHz)	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE		ERP (mW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
227	DURBAN	29°04'43.00"	29°54'48.11"	104.4	25	M	SARM	01-Jan-61	OPE	PBS
230	DURBAN	29°04'43.00"	29°54'48.11"	90.3	25	M	UKHOZI	01-Jan-61	OPE	PBS
231	DURBAN	29°04'43.00"	29°54'48.11"	90.2	1	M	WEHE	01-Dec-51	OPE	PBS
232	ULRBN NORTH	29°E05.12	29°54'48.45"	35	-	V	EWOLOMAEN		CTY	
233	ULRBN 1.1	29°E05.05	29°54'48.52"	151.5	0.25	V	HWAF		CTY	
234	ULRBN NORTH	29°E05.24	29°54'48.52"	63.4	-	V	WANDA		CTY	
235	ULRBN NORTH	29°E05.24	29°54'48.52"	100.1	6	V	PALEB	2-May-00	OPE	CML
236	DURBAN NORTH	29°E05.24	29°54'48.52"	102.5	6	V	FSG	01-Mar-61	OPE	PBS
237	DURBAN NORTH	29°E05.24	29°54'48.52"	95.7	6	V	COCAST	01-May-61	OPE	CML
238	DURBAN NORTH	29°E05.24	29°54'48.52"	103.8	6	V	SFM	01-Aug-61	OPE	PBS
239	DURBAN NORTH	29°E05.24	29°54'48.52"	69.4	6	V	LOTUS	01-Jun-61	OPE	PBS
240	DURBAN NORTH	29°E05.24	29°54'48.52"	101.9	6	V	METRO	01-Dec-61	OPE	PBS
241	DURBAN NORTH	29°E05.24	29°54'48.52"	98.6	6	V	2000	01-May-61	OPE	PBS
242	DURBAN NORTH	29°E05.24	29°54'48.52"	94.7	0.25	V	VIDE FM		OPE	CTY
243	DURBAN NORTH	29°E05.24	29°54'48.52"	106.7	6	V	SALIP	01-Mar-61	OPE	PBS
244	DURBAN NORTH	29°E05.24	29°54'48.52"	62.5	6	V	UKHOZI	01-Mar-61	OPE	CML
245	DURBAN	29°E05.12	29°54'48.52"	96.4	5	H			SPA	CTY
246	DURBAN	29°E05.12	29°54'48.52"	63.3	2.5	H	PHASA	01-Dec-61	OPE	PBS
247	EAST LONDON	29°E48.56	32°54'48.20"	101.1	1	V	LINK FM	01-Feb-61	OPE	CTY
248	EAST LONDON	29°E48.56	32°54'48.20"	85.7	-	V	WCNT	01-Dec-61	LC	CTY
249	EAST LONDON	29°E48.56	32°54'48.20"	101.4	10	V	PSG	01-Jun-61	OPE	PBS
250	EAST LONDON	29°E48.56	32°54'48.20"	88.5	10	V	SFM	01-Aug-61	OPE	PBS
251	EAST LONDON	29°E48.56	32°54'48.20"	107.7	10	V	WTED	01-May-61	OPE	PBS
252	EAST LONDON	29°E48.56	32°54'48.20"	84.8	10	V	ALDOR	01-Jun-61	OPE	CML
253	EAST LONDON	29°E48.56	32°54'48.20"	98.1	10	V	2000	01-Jun-61	OPE	PBS
254	EAST LONDON	29°E48.56	32°54'48.20"	104.4	0.5	V	DISKE	01-Dec-61	OPE	PBS
255	EAST LONDON	29°E48.56	32°54'48.20"	88.4	1	V	MEANTDAINT		LC	CTY
256	EAST LONDON	29°E48.56	32°54'48.20"	103.2	10	V	SARM	01-Jan-61	OPE	PBS
257	EAST LONDON	29°E48.56	32°54'48.20"	91.5	10	V	WEHE	01-Jan-61	OPE	PBS
258	ELANDS HEATH	29°E07.12	30°54'47.44"	88.3	50	V			SPA	PBS
259	ELANDS HEATH	29°E07.12	30°54'47.44"	98.4	50	V			SPA	CML
260	ELANDS HEATH	29°E07.12	30°54'47.44"	98.1	50	V			SPA	CTY
261	ELANDS HEATH	29°E07.12	30°54'47.44"	97.9	50	V			SPA	PBS
262	ELANDS HEATH	29°E07.12	30°54'47.44"	100.9	50	V			SPA	PBS
263	ELANDS HEATH	29°E07.12	30°54'47.44"	106.5	50	V			SPA	PBS
264	ELLIOT	29°E51.57	31°51'10.36"	89.2	0.5	V			SPA	CML
265	ELLIOT	29°E51.57	31°51'10.36"	94.6	0.5	V			SPA	CTY
266	ELLIOT	29°E51.57	31°51'10.36"	97.9	0.5	V			SPA	PBS
267	ELLIOT	29°E51.57	31°51'10.36"	101.4	0.5	V	PSG	01-Aug-61	OPE	PBS
268	ELLIOT	29°E51.57	31°51'10.36"	103.5	0.5	V	SARM	01-Aug-61	OPE	PBS
269	ELLIOT	29°E51.57	31°51'10.36"	81.4	0.5	V	WEHE	01-Aug-61	OPE	PBS
270	EN-SANTOSHONG	29°E07.10	32°54'06.30"	103.4	10	V			SP	CML
271	EN-SANTOSHONG	29°E07.10	32°54'06.30"	87.8	10	V	WEHE		OPE	PBS
272	ENZELSEBERG	29°E07.10	29°52'19.07"	88.1	1	V			SPA	CTY
273	ENZELSEBERG	29°E07.10	29°52'19.07"	91.8	0.3	V			SPA	PBS
274	ENZELSEBERG	29°E07.10	29°52'19.07"	94.6	0.3	V	WOTSW	01-Oct-61	OPE	CML
275	ENZELSEBERG	29°E07.10	29°52'19.07"	101.6	0.1	V	PSG	01-Oct-61	OPE	PBS
276	ENZELSEBERG	29°E07.10	29°52'19.07"	88.5	0.3	V	WOTSW	01-Oct-61	OPE	PBS
277	ENZELSEBERG	29°E07.10	29°52'19.07"	103.2	0.3	V	SARM	01-Oct-61	OPE	PBS
278	TRAMFLC	29°E07.53	29°54'45.46"	104	1	V	ENHELO	30-Apr-61	OPE	CTY
279	ESHOME	29°E17.07	26°55'12.29"	100.4	10	V		01-Dec-02	SPA	CML
280	ESHOME	29°E17.07	26°55'12.29"	107.1	-	V	UKHOZI	19-Sep-61	OPE	CTY
281	ESHOME	29°E17.07	26°55'12.29"	98.6	10	V	COCAST	21-Nov-61	OPE	CML
282	ESHOME	29°E17.07	26°55'12.29"	103.4	10	V	PSG	21-Nov-61	OPE	PBS
283	ESHOME	29°E17.07	26°55'12.29"	90.3	10	V	WOTSW	01-Mar-61	OPE	PBS
284	ESHOME	29°E17.07	26°55'12.29"	99.9	10	V	2000	01-Nov-61	OPE	PBS
285	ESHOME	29°E17.07	26°55'12.29"	104	-	V	SHINE FM		OPE	CTY

## ANNEXURE A - VHF/UHF FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTER/PRO. STATION NAME	GEO. CO-ORDINATES LONGITUDE	LATITUDE	FREQ (MHz)	INTERNAL			ADMINISTRATIVE RECORDS			
					EXP. DATED	POL.	PROGRAMME	ON-AIR DATE	STATUS	CAT	
265	ERHOMAT	001E12.37	28551.29	102	IC	V	SAFM	01-Nov-05	OPE	PBS	
266	ERHOMAT	001E12.37	28551.29	93.4	IC	V	UNKNOWN	01-Nov-05	OPE	PBS	
267	ERHOMAT	001E12.41	28551.22	87	-	V			SPA	CTY	
268	FARNS GROVE	020E24.13	27501.59	88.5	S	H			SPA	CTY	
269	FARNS GROVE	020E24.13	27501.59	98.5	S	H			SPA	PBS	
270	FARNS GROVE	020E24.13	27501.59	98.2	S	H			SPA	CML	
271	FARNS GROVE	020E24.13	27501.59	89.9	S	H			SPA	PBS	
272	FARNS GROVE	020E24.13	27501.59	103	S	H	RSG	01-Dec-08	OPE	PBS	
273	FARNS GROVE	020E24.13	27501.59	106.6	S	H	SAFM	01-Dec-08	OPE	PBS	
274	FICKSBURG TOWN	027E51.27	28552.39	93.7	0.01	V	SETSCOT	29-Nov-03	OPE	CTY	
275	FICKSBURG TOWN	027E51.27	28552.39	100.2	0.01	V			SPA	PBS	
276	FICKSBURG TOWN	027E51.27	28552.39	103.7	0.01	V	RSG	01-May-07	OPE	PBS	
277	FICKSBURG TOWN	027E51.27	28552.39	88.9	S	V			SPA	PBS	
278	FICKSBURG TOWN	027E51.27	28552.39	96.6	S	V			SPA	CML	
279	FICKSBURG TOWN	027E51.27	28552.39	101.4	S	V			SPA	CTY	
280	FICKSBURG TOWN	027E51.27	28552.39	91.4	S	V			SPA	PBS	
281	FICKSBURG TOWN	027E51.27	28552.39	91.4	S	V			SPA	PBS	
282	FICKSBURG TOWN	027E51.27	28552.39	97.9	S	V			SPA	PBS	
283	FICKSBURG TOWN	027E51.27	28552.39	106	S	V			SPA	PBS	
284	FICKSBURG TOWN	027E51.27	28552.39	96.9	0.01	V	DRNLL	01-May-07	OPE	CML	
285	FICKSBURG TOWN	027E51.27	28552.39	90.6	0.01	V	LESEL	01-May-07	OPE	PBS	
286	FICKSBURG TOWN	027E51.27	28552.39	107.3	0.01	V	SAFM	01-May-07	OPE	PBS	
287	FISHHOEK	018E26.12	34506.59	96.7	0.00	V	COFM	01-Jun-08	OPE	CTY	
288	FISHHOEK	018E26.12	34506.59	90.7	0.02	V	RSG		OPE	CTY	
289	FISHHOEK	018E26.12	34506.59	100	0.02	V	PA21	28-Jun-09	OPE	CML	
290	FRANSCHHOEK	019E04.26	33554.26	87.6	0.1	V	FRANSCHHOEK		LC	CTY	
291	FRANSCHHOEK	019E04.26	33554.26	100.7	0.02	V	RSG	01-May-10	OPE	PBS	
292	FRANSCHHOEK	019E04.26	33554.26	91.2	0.02	V	RSG	01-May-10	OPE	PBS	
293	FRANSCHHOEK	019E04.26	33554.26	93.9	0.02	V	COOCHHOEK	01-May-10	OPE	PBS	
294	FRANSCHHOEK	019E04.26	33554.26	104.3	0.03	V	SAFM	01-May-10	OPE	PBS	
295	FRANSCHHOEK	019E04.26	33554.26	96.7	0.03	V	WIFIE	01-May-10	OPE	PBS	
296	GA-MASEMOLA	020E40.42	28547.11	93.7	-	V			SP	CTY	
297	GABA	030E42.25	28547.23	94.5	0.2	V			SP	CTY	
298	GABA	030E42.25	28547.23	91.3	0.2	V			SP	PBS	
299	GABA	030E42.25	28547.23	88.2	1.5	V	PIALA	01-Dec-07	OPE	PBS	
300	GA-NABULIA	031E58.15	28537.26	90.9	1.0	V	THUBELA	26-Apr-02	OPE	PBS	
301	GAMDEP	018E49.00	30504.00	89.0	-	V			SPA	CTY	
302	GAMDEP	018E49.00	30504.00	95.6	1	V			SPA	CML	
303	GAMDEP	018E49.00	30504.00	82.4	1	V			SPA	PBS	
304	GANDI IV	018E48.39	30504.00	102.4	1	V			SPA	PBS	
305	GANDI IV	018E48.39	30504.00	106	1	V			SPA	PBS	
306	GARIBESA	024E16.02	28536.12	105	2	H			SPA	CTY	
307	GARIBESA	024E16.02	28536.12	101.4	5	H			SPA	PBS	
308	GARIBESA	024E16.02	28536.12	97.8	3	H	WOTSW	01-Aug-08	OPE	PBS	
309	GARIBESA	024E16.02	28536.12	103.9	8	H			SPA	CML	
310	GARIBESA	024E16.02	28536.12	107.5	8	H			SPA	PBS	
311	GARIBESA	024E16.02	28536.12	100.4	8	H			SPA	PBS	
312	GARIBESA	024E16.02	28536.12	96.7	2.6	V			SPA	CTY	
313	GARIBESA	024E16.02	28536.12	97.2	2.6	V			SPA	PBS	
314	GARIBESA	024E16.02	28536.12	87.6	2.6	V			SPA	PBS	
315	GARIBESA	024E16.02	28536.12	93.9	3	V	K. FG	01-Oct-03	OPE	CML	
316	GARIBESA	024E16.02	28536.12	100.7	2.8	V	RSG	01-Dec-03	OPE	PBS	
317	GARIBESA	024E16.02	28536.12	104.2	2.8	V	SAFM	01-Dec-03	OPE	PBS	
318	GENADEHAL	019E32.26	34502.47	102.8	0.01	V	RSG		LC	PBS	
319	GEORGE	022E27.24	33565.36	101.1	5	V	EDENFM		LC	CTY	
320	GEDRI	022E27.24	33565.36	101.2	-	V			SP	CTY	
321	GEORGE	022E27.24	33565.36	101.2	-	V	RSG	01-Oct-06	OPE	PBS	
322	GEORGE	022E27.24	33565.36	92.8	1	V	REFKAROG FM		LC	CTY	

## ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTER	GEO. CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS				
		LONGITUDE	LATITUDE		L/MHz	ERP (MW)	POL	PROGRAMME	ON-AIR DATE	STATUS	GAF
343	GEORGE	022627.54	285555.38	90.2	1	V				SP	PBS
344	GEORGE	022627.54	285555.38	90.9	10	V	N. FM	01-Nov-70	OPE	CML	
345	GEORGE	022627.54	285555.38	106.8	1	V				SP	PBS
346	GEORGE	022627.54	285555.38	91.7	10	V	4 FM	01-Nov-65	OPE	PBS	
347	GEORGE	022627.54	285555.38	90.2	10	V	2000	01-Oct-66	OPE	PBS	
348	GEORGE	022627.54	285555.38	105.3	10	V	SATEL	01-Oct-66	OPE	PBS	
349	GEORGE	022627.54	285555.38	88.6	10	V	NETTE	01-Dec-02	OPE	PBS	
350	GEORGE 1	022627.54	285557.35	107.8	1	V	SKAMS1FM	28-May-99	OPE	CTY	
351	GLEN HEDD	026154.51	285099.04	107.8	1	V				SP	CTY
352	GLENCOE	026154.51	285099.04	96.5	10	V	ECAST	01-Jan-87	OPE	CML	
353	GLENCOE	026154.51	285099.04	103.1	10	V	RSG	01-Jan-87	OPE	PBS	
354	GLENCOE	026154.51	285099.04	90	10	V	LULUS	01-Jan-85	OPE	PBS	
355	GLENCOE	026154.51	285099.04	89.8	10	V	2000	01-Jan-87	OPE	PBS	
356	GLENCOE	026154.51	285099.04	106.7	10	V	SATEL	01-Jan-87	OPE	PBS	
357	GLENCOE	026154.51	285099.04	93.1	10	V	UKH-DZI	01-Jan-87	OPE	PBS	
358	GURDON'S BAY	026152.35	285099.20	102.2	0.01	V			SPA	CTY	
359	GRAAFF-PENNY	024627.04	325204.44	86.5	10	V	AEGOR	01-Feb-69	OPE	CML	
360	GRAAFF-PENNY	024627.04	325204.44	102.2	10	V	NSU	01-Feb-69	OPE	PBS	
361	GRAAFF-PENNY	024627.04	325204.44	102.2	10	V			SP	PBS	
362	GRAAFLAND-NET	024627.04	325204.44	106.9	10	V	SKRN	01-Feb-69	OPE	PBS	
363	GRAAFLAND-NET	024627.04	325204.44	92.3	10	V	WFM	01-Feb-69	OPE	PBS	
364	GRAAFLAND-NET	024627.04	325205.20	90.7	1	V	GRAAFLAND	01-Sep-97	OPE	CTY	
365	GRADOUA	024536.03	345206.05	107.8	0.001	V	KACI	20-Aug-99	OPE	CML	
366	GRADOUA	024536.03	345206.05	95.8	0.01	V	FEADER	01-Jul-95	OP	CTY	
367	GRADOUA	024536.03	345206.05	94.8	0.01	V	X-FM	01-Jun-92	OP	CML	
368	GRADOUA	024536.03	345206.05	101.7	0.01	V	RSG	01-Jun-92	OP	PBS	
369	GRADOUA	024536.03	345206.05	105.3	0.01	V	SATEL	01-Jun-92	OP	PBS	
370	GRAHAMSTOWN	026142.31	335117.15	89	1	V			SP	CTY	
371	GRAHAMSTOWN	026142.31	335117.15	106	1	V			SP	CTY	
372	GRAHAMSTOWN	026142.31	335117.15	89.7	0.25	V			SPA	CTY	
373	GRAHAMSTOWN	026142.31	335117.15	105.4	10	V	150	01-Jan-84	OPE	PBS	
374	GRAHAMSTOWN	026142.31	335117.15	96.7	10	V	2000	01-Jan-84	OPE	CML	
375	GRAHAMSTOWN	026142.31	335117.15	90.4	10	V	5-FM	01-Oct-87	OPE	PBS	
376	GRAHAMSTOWN	026142.31	335117.15	106	10	V	2000	01-Jan-84	OPE	PBS	
377	GRAHAMSTOWN	026142.31	335117.15	107.1	10	V	SATEL	01-Jan-84	OPE	PBS	
378	GRAHAMSTOWN	026142.31	335117.15	90.5	10	V	WFM	01-Jan-84	OPE	PBS	
379	GRAHAMSTOWN	026142.31	335117.15	102.1	0.4	V	GRAHAMS		LI	CTY	
380	GREY MARSH	026136.50	285550.50	106.6	0.25	V			SPA	CTY	
381	GREYTOWN	026132.10	285004.48	80.5	10	V	KHWE2I	01-Sep-82	OP	CTY	
382	GREYTOWN	026132.10	285004.48	88.6	10	V			SPA	CML	
383	GRFTOWN	026132.10	285004.48	54.9	10	V	ECAST	01-May-87	OPE	CML	
384	GREYTOWN	026132.10	285004.48	101.7	10	V	NSU	01-May-85	OPE	PBS	
385	GREYTOWN	026132.10	285004.48	86.2	10	V	2002	01-May-85	OPE	PBS	
386	GREYTOWN	026132.10	285004.48	105.3	10	V	SATEL	01-May-85	OPE	PBS	
387	GREYTOWN	026132.10	285004.48	91.3	10	V	JKHOT	01-May-85	OPE	PBS	
388	GROBLERSDAL	026132.10	285515.43	88.7	1	V	SKHULNKHJNP		LI	CTY	
389	GROBLERSDAL	026132.10	285515.43	85.2	0.5	V	WOUTSE	29-Oct-02	OPE	CTY	
390	GROOT MARCO	026126.03	255321.11	74.8	1	V			SP	CTY	
391	GROOT MARCO	026126.03	255321.11	104	0.25	V			SP	CTY	
392	GROOT MARCO	026126.03	255321.11	93.3	1	V			SP	CTY	
393	GROOT MARCO	026126.03	255321.11	95.5	0.1	V	JAH	01-Oct-85	OP	CML	
394	GROOT MARCO	026126.03	255321.11	107.3	0.1	V	PSU	01-Oct-85	OP	PBS	
395	GROOT MARCO	026126.03	255321.11	88.2	0.1	V	MOTLW	01-Oct-85	OP	PBS	
396	GROOT MARCO	026126.03	255321.11	125.9	0.1	V	SATEL	01-Oct-85	OP	PBS	
397	HAI HERTBURG	029156.48	335116.54	107	50	V			SP	CML	
398	HAI HERTBURG	029156.48	335116.54	103.4	50	V			SP	PBS	
399	HAI HERTBURG	029156.48	335116.54	96.6	10	V	WOLKE1-FM	20-Apr-98	OP	CTY	

## ANNEXURE A VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ 1 MHz	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE		ERP (W)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
420	HAKHERTSBURG	029E56.45	23559.54	59.5	SQ	V			SP	F25
421	HAKHERTSBURG	029E56.45	23559.54	85.4	SQ	V			SP	F25
422	HAKHERTSBURG	029E56.45	23559.54	105.5	SQ	V	THOBELA	01-Jan-88	OP	F25
423	HANKLEY	024E52.15	33549.52	85.5	EEI	V			SPA	CITY
424	HANKLEY	024E52.15	33549.52	87.9	EEI	V			SP	CITY
425	HANKLEY	024E52.15	33549.52	94.2	EEI	V	AICOA	05-Feb-87	OP	CITY
426	HANKLEY	024E52.15	33549.52	97.5	EEI	V			SP	F25
427	HANKLEY	024E52.15	33549.52	101	EEI	V	HSU	01-Feb-87	OP	F25
428	HANKLEY	024E52.15	33549.52	104.5	EEI	V	SAFM	01-Feb-87	OP	F25
429	HANKLEY	024E52.15	33549.52	91	EEI	V	HEMP	01-Feb-87	OP	F25
430	HARRISMITH	028E12.40	28515.52	103.5	V	V	LGFFC		HC	F25
431	HARRISMITH	028E12.40	28515.52	105	V	V	JKHZ		HC	F25
432	HEIGONSKRUIT	031E58.20	26528.47	87.7	EEI	V	LGWW	26-Apr-01	OPE	F25
433	HEIDELBERG	028E20.55	26529.18	103	EEI	V			SPA	CITY
434	HEIDELBERG	028E20.55	26529.18	117.6	EEI	V			SPA	CITY
435	HEIDELBERG	028E20.55	26529.18	94	EEI	V	HWED	01-May-78	OPE	CITY
436	HEIDELBERG	028E20.55	26529.18	102.5	EEI	V	RSG	01-May-78	OPE	F25
437	HEIDELBERG	028E20.55	26529.18	81.5	EEI	V	LEBEC	01-Feb-93	OPE	F25
438	HEIDELBERG	028E20.55	26529.18	91.5	EEI	V	EDOC	01-May-78	OPE	F25
439	HEIDELBERG	028E20.55	26529.18	104.5	EEI	V	SAFM	01-May-78	OPE	F25
440	HEIDELBERG	028E20.55	26529.18	80.5	EEI	V	JKHZ	01-May-78	OPE	F25
441	HEIDELBERG	028E20.55	26529.18	89.5	EEI	V			SPA	CITY
442	HEIDERKLOOF	027E57.32	26536.03	73.8	V	V			SP	CITY
443	HEIDERKLOOF	027E57.32	26536.03	102.5	V	V	HWED	01-Jun-81	OP	CML
444	HEIDERKLOOF	027E57.32	26536.03	154	V	V	S-FM	01-Jun-81	OP	PRG
445	HEINEMAN	027E01.54	27554.04	107.6	S	V	VOLAUTEN	24-Oct-90	OPE	CITY
446	HEINMANUS	027E12.18	24524.47	102.5	V	V			SPA	F25
447	HEINMANUS	027E12.18	24524.47	87.5	V	V			SPA	CITY
448	HEINMANUS	027E12.18	24524.47	94	V	V	K-FM	01-Apr-78	DPT	CML
449	HEINMANUS	027E12.18	24524.47	81.5	V	V			SP	F25
450	HEINMANUS	027E12.18	24524.47	105.5	V	V	PSG	01-Apr-78	OPE	F25
451	HEINMANUS	027E12.18	24524.47	97.5	V	V	ZDHO	01-Apr-78	DPT	PRG
452	HEINMANUS	027E12.18	24524.47	104.5	V	V	SATM	01-Apr-78	OPE	F25
453	HEINNOVSKI	029E08.00	26517.03	92.2	CCS	V	MGISW	25-Oct-08	OPE	F25
454	HEXR VIER	019E59.51	33520.54	98.5	CCS	V			SPA	CML
455	HEXR VIER	019E59.51	33520.54	88.5	CCS	V			SPA	CITY
456	HEXR VIER	019E59.51	33520.54	92.5	CCS	V	A-FM	01-Jun-73	OPE	CML
457	HEXR VIER	019E59.51	33520.54	92	CCS	V			SPA	F25
458	HEXR VIER	019E59.51	33520.54	102	CCS	V	RSG	01-Jun-73	OPE	F25
459	HEXR VIER	019E59.51	33520.54	105.5	CCS	V	SAFM	01-Jun-73	OPE	F25
460	HOEDSPRUIT	020E52.08	24532.30	96	V	V	CAPRICORN		HC	CML
461	HOEDSPRUIT	020E52.08	24532.30	96.5	V	V			SP	CITY
462	HOEDSPRUIT	020E52.08	24532.30	98.4	V	V			SPA	CITY
463	HOEDSPRUIT	020E52.08	24532.30	95.2	V	V	CARM	01-Jun-73	OPE	CML
464	HOEDSPRUIT	020E52.08	24532.30	102	V	V	PSG	01-Jun-73	OPE	F25
465	HOEDSPRUIT	020E52.08	24532.30	104	V	V	LGWW	01-Jun-93	DPT	PRG
466	HOEDSPRUIT	020E52.08	24532.30	92	V	V	NONE	01-Jun-73	OPE	F25
467	HOEDSPRUIT	020E52.08	24532.30	94.5	V	V	ZDHO	01-Jun-73	OPE	F25
468	HOEDSPRUIT	020E52.08	24532.30	105.5	V	V	SAFM	01-Jun-73	OPE	F25
469	HOEDSPRUIT	020E52.08	24532.30	68.5	V	V	THOBELA	01-Jun-73	OPE	F25
470	HOLY CROSS	031E27.56	28528.25	85.5	EEI	V			SP	CML
471	HOLY CROSS	031E27.56	28528.25	92.5	EEI	V	HEMP		HC	F25
472	HOUT BAY	018E20.56	34500.44	90.5	EEI	V	IVDC		CPE	CITY
473	HOUT BAY	018E20.56	34500.44	94.5	EEI	V			SP	CITY
474	HOUT BAY	018E20.56	34500.44	102.5	EEI	V	P4CT	30-Jun-99	OPE	CML
475	HOUT BAY	018E20.56	34500.44	105.5	EEI	V	PSG	01-Mar-73	OPE	F25
476	HOUT BAY	018E20.56	34500.44	87.5	EEI	V	S-FM	01-Nov-93	DPT	F25

## ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ (MHz)	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE		ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
457	HOJUT RAY	21°30'20.56"	34°50'14.44"	92.4	0.02	V	2000	01-Mar-76	DPE	PBS
458	HOJUT RAY	21°30'20.56"	34°50'14.44"	92.4	0.02	V	GODHOPE	01-Mar-76	DPE	PBS
459	HOJUT RAY	21°30'20.56"	34°50'14.44"	104.1	0.02	V	SAFM	01-Mar-76	DPE	PBS
460	KRÖGERHAWK	22°01'06.26"	23°50'45.51"	88	0.02	V	THOBELA		DPE	PBS
461	TSOSENG	22°35'25.18"	26°50'43.36"	105.4	3	H			SPA	CML
462	TSOSENG	22°35'25.18"	26°50'43.36"	101.8	3	H			SPA	CTY
463	TSOSENG	22°35'25.18"	26°50'43.36"	98.2	3	H			SPA	PBS
464	LAEFFERTORTIN	22°56'24.29"	26°54'45.49"	101.5	0.5	V			SP	CTY
465	JOHANNESBURG	22°46'22.47"	26°5'2.20"	65.4	0.1	V	RADIO PADIO		DPE	CTY
466	JOHANNESBURG	22°46'20.26"	26°51'1.31"	69.2	25	M	FM	01-Sep-97	DPE	CML
467	JOHANNESBURG	22°46'20.26"	26°51'1.31"	102.7	25	M	CLASS C	01-Sep-97	DPE	CML
468	JOHANNESBURG	22°46'20.26"	26°51'1.31"	92.7	3.5	M	RADIO 700		DPE	CML
469	JOHANNESBURG	22°46'20.26"	26°51'1.31"	94.7	38	M	FM102	01-Jun-82	DPE	CML
470	JOHANNESBURG	22°46'20.26"	26°51'1.31"	65.9	24	M	RAYA	01-Aug-91	DPE	CML
471	JOHANNESBURG	22°46'20.26"	26°51'1.31"	101.5	24	M	RGG	01-Jun-82	DPE	PBS
472	JOHANNESBURG	22°46'20.26"	26°51'1.31"	106.2	24	M	ICMF		DPE	PBS
473	JOHANNESBURG	22°46'20.26"	26°51'1.31"	95	28	V	5FM	01-Nov-74	DPE	PBS
474	JOHANNESBURG	22°46'20.26"	26°51'1.31"	68.4	28	V	LESED	01-Jun-82	DPE	PBS
475	JOHANNESBURG	22°46'20.26"	26°51'1.31"	106.6	24	V	LOTUS	01-Jun-82	DPE	PBS
476	JOHANNESBURG	22°46'20.26"	26°51'1.31"	86.4	22	V	METRO	01-Dec-97	DPE	PBS
477	JOHANNESBURG	22°46'20.26"	26°51'1.31"	89.6	25	M	MOTION	24-Dec-95	DPE	PBS
478	JOHANNESBURG	22°46'20.26"	26°51'1.31"	102.2	24	V	NEHL	01-Jun-82	DPE	PBS
479	JOHANNESBURG	22°46'20.26"	26°51'1.31"	101.2	24	V	PHALA	01-Jun-82	CP	PBS
480	JOHANNESBURG	22°46'20.26"	26°51'1.31"	29.7	24	V	2000	01-Jun-82	DPE	PBS
481	JOHANNESBURG	22°46'20.26"	26°51'1.31"	103.7	25	M	SARIN	01-Jun-82	DPE	PBS
482	JOHANNESBURG	22°46'20.26"	26°51'1.31"	80.1	24	V	THOBELA	01-Jun-82	CPL	PBS
483	JOHANNESBURG	22°46'20.26"	26°51'1.31"	51.5	28	M	UKHOZ	01-Jun-82	CPL	PBS
484	JOHANNESBURG	22°46'20.26"	26°51'1.31"	101.9	1.5	V	CHALFM		CP	PBS
485	JOHANNESBURG	22°46'20.26"	26°51'1.31"	82.2	24	V	NENE	01-Jun-82	DPE	PBS
486	JOUBERT-HA	02°04'46.39"	32°55'1.42"	92	0.2	V			SP	CTY
487	JOUBERT-HA	02°04'46.39"	32°55'1.42"	95.2	0.2	V			SP	CML
488	JOUBERT-HA	02°04'46.39"	32°55'1.42"	88.9	0.2	V			SP	PBS
489	JOUBERT-HA	02°04'46.39"	32°55'1.42"	105.6	0.2	V			SP	PBS
490	JOUBERT-HA	02°04'46.39"	32°55'1.42"	122	0.2	V			SP	PBS
491	KALASUJI	02°15'40.00"	27°52'1.00"	98.5	10	V			SPA	CML
492	KALASUJI	02°15'40.00"	27°52'1.00"	104.9	10	V			SPA	CTY
493	KALASUJI	02°15'40.00"	27°52'1.00"	97.3	10	V			SPA	PBS
494	KALASUJI	02°15'40.00"	27°52'1.00"	97.3	10	V			SPA	PBS
495	KARFFDOLW	02°45'45.48"	34°50'1.29"	98.4	5	V			SPA	CML
496	KARFFDOLW	02°45'45.48"	34°50'1.29"	98.8	6	V			SPA	CTY
497	KAREEDOUW	02°45'45.48"	34°50'1.29"	98.9	6	V	ALGOA	01-Dec-98	DPE	CML
498	KAREEDOUW	02°45'45.48"	34°50'1.29"	102.9	6	V	HSG	01-Dec-98	DPE	PBS
499	KAREEDOUW	02°45'45.48"	34°50'1.29"	106.5	6	V	SAFM	01-Dec-98	DPE	PBS
500	KARIJI DOWW	02°45'45.48"	34°50'1.29"	97.9	6	V	NENE	01-May-94	DPE	PBS
501	KAYATE-LITWA	02°14'40.36"	24°50'1.34"	94.2	0.25	V	ZONKELE	01-Aug-91	DPE	CTY
502	KÉSEL	02°45'28.00"	23°55'2.00"	106.4	10	V			SPA	CTY
503	KIEGEL	02°15'28.00"	23°55'2.00"	99.3	10	V			SPA	CTY
504	KIMBERLEY	02°45'34.19"	28°55'1.14"	95.4	10	V			SPA	CML
505	KIMBERLEY	02°45'34.19"	28°55'1.14"	94.2	10	V	OPAHLE	01-May-93	DPE	CML
506	KIMBERLEY	02°45'34.19"	28°55'1.14"	101	10	V	RGG	01-May-93	DPE	PBS
507	KIMBERLEY	02°45'34.19"	28°55'1.14"	87.9	10	V	2FM	01-May-93	DPE	PBS
508	KIMBERLEY	02°45'34.19"	28°55'1.14"	105.5	10	V	MOTOM	01-May-93	DPE	PBS
509	KIMBERLEY	02°45'34.19"	28°55'1.14"	104.6	10	V	2000	01-May-93	DPE	PBS
510	KIMBERLEY	02°45'34.19"	28°55'1.14"	104.6	10	V	SAFM	01-May-93	DPE	PBS
511	KIMBERLEY	02°45'34.19"	28°55'1.14"	97.6	10	V	NENE	01-Aug-93	DPE	PBS
512	KIMBERLEY	02°45'34.19"	28°55'1.14"	97.5	10	V	ESFRI	01-Aug-93	DPE	PBS
513	KIMBERLEY	02°45'46.02"	28°54'4.34"	97.1	10	V	TEEMA	01-Dec-97	DPE	CTY

## ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ (MHz)	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE		ERP (mW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
514	KING WILLIAMS TOWN	22°E11'36"	32°S42'44"	102.5	-	V			SPA	CIV
515	KING WILLIAMS TOWN	22°E11'36"	32°S42'44"	102.6	-	V	FORTE		LC	CIV
516	KING WILLIAMS TOWN	22°E11'36"	32°S42'44"	94.2	10	V	ALSOA	01-Jan-84	CP	CML
517	KING WILLIAMS TOWN	22°E11'36"	32°S42'44"	99.5	10	V			SP	PBS
518	KING WILLIAMS TOWN	22°E11'36"	32°S42'44"	103	10	V	RSG	01-Jan-84	CP	PBS
519	KING WILLIAMS TOWN	22°E11'36"	32°S42'44"	89.9	10	V	CISKI	01-Nov-90	CP	PBS
520	KING WILLIAMS TOWN	22°E11'36"	32°S42'44"	106.8	10	V	SAFM	01-Jan-84	CP	PBS
521	KING WILLIAMS TOWN	22°E11'36"	32°S42'44"	93	10	V	NEKE	01-Jan-84	CP	PBS
522	KLAARSTROOM	022°E01'39"	32°S19'54"	102.4	0.6*	V	RSG		LC	PBS
523	KLEENMOND	019°E08'28"	34°S22'15"	97.1	0.08	V	K FM	01-Aug-91	OP	CML
524	KLEENMOND	019°E08'28"	34°S22'15"	104.2	0.08	V	RSG	01-Aug-91	OP	PBS
525	KLEENMOND	019°E08'28"	34°S22'15"	107.3	0.1	V	SAFM	01-Aug-91	CP	PBS
526	KLERKSDORP	026°E24'39"	26°S45'14"	102.5	-	V			SP	CIV
527	KLERKSDORP	026°E24'39"	26°S45'14"	104.4	-	V	CRANIE	01-May-70	CPL	CML
528	KLERKSDORP	026°E24'39"	26°S45'14"	102.4	2	V	STAR FM		OP	CIV
529	KLERKSDORP	026°E24'39"	26°S45'14"	97	10	V	RAG DAW		OP	CML
530	KLERKSDORP	026°E24'39"	26°S45'14"	101.2	10	V	RSG	01-May-70	CPT	PBS
531	KLERKSDORP	026°E24'39"	26°S45'14"	92.8	10	V	LESED	01-May-99	CPT	PBS
532	KLERKSDORP	026°E24'39"	26°S45'14"	94.1	10	V	WOTSW	01-May-70	CPL	PBS
533	KLERKSDORP	026°E24'39"	26°S45'14"	97.2	10	V	2000	01-May-70	OP	PBS
534	KLERKSDORP	026°E24'39"	26°S45'14"	104.8	10	V	SAFM	01-May-70	OP	PBS
535	KLERKSDORP	026°E24'39"	26°S45'14"	91.2	10	V	NEKE	01-Dec-93	OPF	PBS
536	KLIPRANZ	019°E29'34"	30°S54'00"	92.7	5	V			SP	CIV
537	KLIPYDORP DAM	027°E45'47"	24°S29'18"	102.4	2	H			SP-A	PBS
538	KLYNSKA	023°E02'35"	34°S04'18"	99.7	0.25	V			SP	CIV
539	KLYNSKA	023°E02'35"	34°S04'18"	96.4	0.5	V			SP	CIV
540	KLYNSKA	023°E02'35"	34°S04'18"	95.4	0.2	V	K FM	01-Jan-78	OP	CML
541	KLYNSKA	023°E02'35"	34°S04'18"	102.2	0.2	V	PSG	01-Jan-78	OP	PBS
542	KLYNSKA	023°E02'35"	34°S04'18"	100.3	1	V			SP	PBS
543	KLYNSKA	023°E02'35"	34°S04'18"	92.2	0.2	V	SAFM	01-Jun-93	OP	PBS
544	KLYNSKA	023°E02'35"	34°S04'18"	89.7	0.2	V	2000	01-Jun-78	OP	PBS
545	KLYNSKA	023°E02'35"	34°S04'18"	105.8	0.2	V	SAFM	01-Jun-78	OP	PBS
546	KLYNSKA	023°E02'35"	34°S04'18"	89.1	0.2	V	NEKE	01-Dec-93	OP	PBS
547	KOCKSTAD	029°E26'24"	30°S38'42"	95	0.05	V			SPA	CML
548	KOCKSTAD	029°E29'24"	30°S38'42"	97.5	-	V			SPA	CIV
549	KOCKSTAD	029°E29'24"	30°S38'42"	94.2	0.05	V	FOCAST	01-Aug-91	OP	CML
550	KOCKSTAD	029°E29'24"	30°S38'42"	87.9	0.05	V			SPA	PBS
551	KOCKSTAD	029°E29'24"	30°S38'42"	101	0.05	V	RSG	01-Aug-91	OP	PBS
552	KOCKSTAD	029°E29'24"	30°S38'42"	104.6	0.05	V	SAFM	01-Aug-91	CPL	PBS
553	KOMATEPOORT	031°E42'00"	28°S13'00"	102.3	1	V			SPA	CIV
554	KOMATEPOORT	031°E42'00"	28°S13'00"	86.9	20	V			SPA	PBS
555	KOMATEPOORT	031°E42'00"	28°S13'00"	103.7	20	V			SPA	PBS
556	KOPPER	029°E41'46"	27°S15'49"	94.9	0.5	V			SP	CIV
557	KOSTER	029°E43'42"	27°S16'25"	102.5	4.5	V	TATELKOP	01-Apr-97	OP	CIV
558	KRIEL	028°E15'42"	26°S15'35"	98.2	0.001	M	KRIEL RADIO		LC	CML
559	KROONSTAD	027°E11'12"	27°S25'16"	98.8	10	V	CRANIE	01-Jan-85	OP	CML
560	KROONSTAD	027°E11'12"	27°S25'16"	102.4	10	V	RSG	01-Jan-85	OPF	PBS
561	KROONSTAD	027°E11'12"	27°S25'16"	92.4	10	V	SAFM	01-Jan-85	OP	PBS
562	KROONSTAD	027°E11'12"	27°S25'16"	97.3	10	V	LESED	01-Jan-85	OP	PBS
563	KROONSTAD	027°E11'12"	27°S25'16"	98.2	10	V	2000	01-Jan-85	OP	PBS
564	KROONSTAD	027°E11'12"	27°S25'16"	102.9	2.8	V	WOTSW	01-Apr-96	OP	PBS
565	KRURUWAH	029°E16'49"	27°S21'06"	98.4	10	H			SPA	CML
566	KRURUWAH	029°E16'49"	27°S21'06"	105.5	10	H			SPA	CIV
567	KRURUWAH	029°E16'49"	27°S21'06"	102.4	10	V	WAFHEO	23-Dec-97	OP	CIV
568	KRURUWAH-HILL	029°E23'00"	27°S24'50"	101.4	-	V			SPA	CIV
569	KRURUWAH-HILL	029°E23'00"	27°S24'50"	99.9	41	V			SPA	CIV
570	KRURUWAH-HILL	029°E23'00"	27°S23'12"	104.3	-	V			SP	CML

## ANNEXURE A - VHF/UHF FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO COORDINATES		FREQ (MHz)	ANTENNA		ADMINISTRATIVE RECORDS				
		LONGITUDE	LATITUDE		ERP (W)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT	
571	KLFUMAH HILLS	220E53.36	27553.19	92.2	11	V	MOTSW	01-Dec-71	OPE	CML	
572	KLFUMAH HILLS	220E53.39	27553.19	102.4	11	V	KSD	01-Dec-71	DFT	PBS	
573	KLFUMAH HILLS	220E53.39	27553.19	92.4	11	V			SPA	PBS	
574	KUHUMAN HILLS	220E53.38	27553.19	96.2	11	V	MOTSW	01-Dec-71	DFT	PBS	
575	KUHUMAN HILLS	220E53.38	27553.19	108	11	V	KAFM	01-Dec-71	OPE	PBS	
576	KUTAMA	220E27.37	23562.19	105.9	1	V			SPA	CITY	
577	KUTAMA	220E27.37	23562.19	105.9	0.1	V			SPA	PBS	
578	KWAGGA-KOTENI	220E51.27	25514.27	97.2	10	V	IKWE	13-Dec-01	OPE	PBS	
579	KWAGGA-KOTENI	220E51.27	25514.27	104	10	V	INOBELA	13-Dec-01	OPE	PBS	
580	KWAMAGODA	220E44.17	26547.50	101.9	0.1	V			SP	CITY	
581	KWAMHANGA	220E30.49	25509.72	93.8	12	V	IKWE	01-May-83	OPE	PBS	
582	LADISMIT (CAPE)	221E25.20	33537.54	84.2	2.5	V	R224KODG FM		LC	CITY	
583	LADISMIT (CAPE)	221E25.20	33537.54	97.9	2.5	V			SPA	CML	
584	LADISMIT (CAPE)	221E25.20	33537.54	101.4	2.5	V			SPA	CML	
585	LADISMIT (CAPE)	221E25.20	33537.54	94.6	2.5	V	KL FM	01-Feb-83	CPL	CML	
586	LADISMIT (CAPE)	221E25.20	33537.54	101.4	2.5	V	RSG	01-Feb-83	OPE	PBS	
587	LADISMIT (CAPE)	221E25.20	33537.54	105	2.5	V	KAFM	01-Feb-83	OPE	PBS	
588	LADY FERRE	221E17.32	31538.44	102.8		V			SP	CML	
589	LADY FERRE	221E17.32	31538.44	102.2		V	HEHL		II	PBS	
590	LADY GREY	221E12.59	30542.02	104.4	0.001	V	WITTEBER	04-Dec-96	GP	CITY	
591	LADYBRAND	221E27.43	28510.18	82.1	15	V			SPA	CITY	
592	LADYBRAND	221E22.43	28510.18	85.3	2.5	V	DRALF	01-Nov-65	OPE	CML	
593	LADYBRAND	221E22.43	28510.18	102.7	12	V	RSG	01-Nov-65	OPE	PBS	
594	LADYBRAND	221E22.43	28510.18	94.7	12	V			SPA	PBS	
595	LADYBRAND	221E22.43	28510.18	69	12	V	LESEDA	01-Nov-65	OPE	PBS	
596	LADYBRAND	221E22.43	28510.18	105.7	10	V	KAFM	01-Nov-65	OPE	PBS	
597	LADYSMITH	220E47.19	28535.23	100.5	1	V			SP	CITY	
598	LADYSMITH	220E47.19	28535.23	101.9	1	V			SPA	CITY	
599	LADYSMITH	220E47.19	28535.23	94.2	0.1	V	KOAST	21-Dec-77	OPE	CML	
600	LADYSMITH	220E47.19	28535.23	101	0.1	V	RSG	21-Dec-77	OPE	PBS	
601	LADYSMITH	220E47.19	28535.23	87.2	0.1	V	MOTSW	01-Jun-83	DFT	PBS	
602	LADYSMITH	220E47.19	28535.23	97.5	0.1	V	W200	21-Dec-77	OPE	PBS	
603	LADYSMITH	220E47.19	28535.23	104.6	0.1	V	KAFM	21-Dec-77	OPE	PBS	
604	LADYSMITH	220E47.19	28535.23	81	0.1	V	LA1021	01-Dec-71	OPE	PBS	
605	LAXITY	220E20.30	26541.54	95.4	0.01	V	MOTSW	25-Dec-08	LC	PBS	
606	LEBOWAKGOMA	221E20.91	24518.09	105.8	0.25	V	LEBOWA		LC	CITY	
607	LEEU CAMPA	021E36.08	32548.12	100.2	0.01	V	RSG		OPE	PBS	
608	LEHASIA	021E36.10	26519.04	92.2	0.1	H	EWAVL	20-Jul-97	OPE	CITY	
609	LETABA	031E42.30	23553.20	98	10	V			SPA	CML	
610	LETABA	031E42.30	23552.21	81.5	10	V			SPA	PBS	
611	LETABA	031E42.30	23552.21	84.7	10	V			SPA	PBS	
612	LETABA	031E42.30	23552.21	101.2	10	V			SPA	PBS	
613	LETTERHOLE	031E43.24	25537.82	99.5	0.1	V	LLIN		OPE	CITY	
614	LIGHTNING RG	020E17.14	28515.04	82.6	12	V	LIGHTESS	30-Apr-02	OP	CITY	
615	LOERESTONTIN	010E26.35	30527.32	85.1	15	V			SPA	CITY	
616	LOOPENG	020E27.15	26546.59	102.2	0.01	V	MOTSW		LC	PBS	
617	LOSkop	020E12.42	28539.41	89.4	0.2	V			SPA	PBS	
618	LOSkop	020E12.42	28539.41	95.3	0.2	V	UKHOZ	01-May-01	OPE	PBS	
619	LOUIS TRICHARDT	020E45.26	20544.02	105.4	15	V	CAPIKORN		LC	CML	
620	LOUIS TRICHARDT	020E45.26	20500.02	97.9	15	V	JKR	01-Mar-89	DFT	CML	
621	LOUIS TRICHARDT	020E45.26	20500.02	100.7	15	V	RSG	01-Mar-89	OPE	PBS	
622	LOUIS TRICHARDT	020E45.26	20500.02	97.9	15	V	KAFM	01-Mar-89	OPE	PBS	
623	LOUIS TRICHARDT	020E45.26	20500.02	80	1	V	KTNP	01-Jan-98	OPE	PBS	
624	LOUIS TRICHARDT	020E45.26	20500.02	90.7	15	V	PHALA	01-Mar-89	OPE	PBS	
625	LOUIS TRICHARDT	020E45.26	20500.02	97.2	15	V	3000	01-Mar-89	OPE	PBS	
626	LOUIS TRICHARDT	020E45.26	20500.02	104.3	15	V	KAFM	01-Mar-89	OPE	PBS	
627	LOUIS TRICHARDT	020E45.26	20500.02	87.6	15	V	THOREA	01-Mar-89	OPE	PBS	

## ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

ID	TRANSMITTING STATION NAME	GEO. COORDINATES		FREQ (MHz)	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE		ERP (W)	POL	PROGRAMME	ON AIR DATE	STATUS	CAT
623	FOLEYVILLE	091°16'32"	27533.44	107.3	10	V			SPA	CML
627	LOUVISBURG	091°16'37"	27532.44	54	10	V	JAKHOTI		OPE	PBS
630	LOVEYDALE HEIGHTS	091°29'31"	27539.56	107.5	0.5	V	WNGFISHER		LIC	CTY
631	LUKISKIA	091°28'17"	27515.07	97.3	0.2	V	WACHAANI		LIC	CTY
632	LYDENBURG	090°26'04"	27508.19	89.7	0.01	V	W-POWER		LIC	CML
633	LYDENBURG	090°26'04"	27508.19	98.8	0.5	V			SP	CTY
634	LYDENBURG	090°26'04"	27508.19	90.8	0.5	V			SP	CTY
635	LYDENBURG	090°26'04"	27508.19	96	0.01	V	JAKH	01-Dec-08	OP	CML
636	LYDENBURG	090°26'04"	27508.19	102.6	0.21	V	PSG	01-Dec-08	OP	PBS
637	LYDENBURG	090°26'04"	27508.19	97.8	0.01	V	JAKH	01-Dec-08	OPE	PBS
638	LYDENBURG	090°26'04"	27508.19	106.4	0.01	V	SATV	01-Dec-08	OP	PBS
639	LYDENBURG	090°26'04"	27508.19	90.3	5	V	PLATOR	20-Apr-97	OP	CTY
640	MACHEAS	091°21'06"	27524.52	90.5	1	V	WLLAMA		OPE	CTY
641	MACKBODD	091°15'14"	27527.56	91.7	0.1	H			SPA	CTY
642	MACKBODD	091°15'14"	27527.56	94.9	2	H			SPA	PBS
643	MACKBODD	091°15'14"	27527.56	88.6	10	H	WOLZW	01-Apr-98	OP	PBS
644	MACHACANG	090°52'04"	27547.56	98.7	1	V	SEKH-JAHUNE		LIC	CTY
645	MACHAU WA	091°49'21"	27526.47	93.5	0.3	H			SPA	CML
646	MACHAU WA	091°49'21"	27526.47	90.7	5	H			SPA	CTY
647	MACHAU WA	091°49'21"	27526.47	90.4	5	H			SPA	PBS
648	MACHAU WA	091°49'21"	27526.47	101.2	1	V	MAXHADO FM		LIC	CTY
649	MACHAMBA	090°15'09"	27533.56	103	5	H			SPA	CTY
650	MALAWA	090°15'19"	27531.54	104.1	5	H			SPA	PBS
651	MALAWA	090°15'19"	27533.56	89.5	0.25	H	PHALA	01-Dec-08	OPE	PBS
652	MANNI QOL	091°53'19"	27526.75	51.9	0.5	V	WAD-QWAMPS		LIC	CTY
653	MATATELLE	091°49'19"	27520.45	83.6	1	V	ALFRED HZO		OPE	CTY
654	MATATELLE	091°49'19"	27520.45	91.1	2	V	EKOAST	01-Apr-01	OPE	CML
655	MATATELLE	091°49'19"	27520.45	98	50	V			SPA	PBS
656	MATATELLE	091°49'19"	27520.45	101.5	12	V	HSG	01-Jan-71	OPE	PBS
657	MATATELLE	091°49'19"	27520.45	104.4	10	V	LEGED	01-Jan-71	OPE	PBS
658	MATATELLE	091°49'19"	27520.45	105.5	12	V	SAFN	01-Jan-71	OPE	PBS
659	MATATELLE	091°49'19"	27520.45	81.5	12	V	WLNH	01-Apr-98	OPE	PBS
660	MATATELLENTEN	091°30'25"	27516.52	92.8	10	V			SPA	CTY
661	MATATELLENTEN	091°30'25"	27516.52	99.3	10	V			SPA	CML
662	MATATELLENTEN	091°30'25"	27516.52	96	10	V	K-FM	01-Jun-68	OPE	CML
663	MATATELLENTEN	091°30'25"	27516.52	89.7	10	V			SPA	PBS
664	MATATELLENTEN	091°30'25"	27516.52	102.8	10	V	RSQ	01-Jul-68	OPE	PBS
665	MATATELLENTEN	091°30'25"	27516.52	106.4	10	V	SAFN	01-Jan-68	OPE	PBS
666	MATHUNGA	091°07'13"	27538.27	104.7	0.01	V	PHALA		LIC	PBS
667	MBUZI NI	091°54'53"	27532.26	93.7	16	V	JAKH	28-Aug-01	OPE	PBS
668	MEL MEL	091°26'43"	27544.70	100.9	10	V	WMAKERS	09-Apr-98	OP	CTY
669	MENLO PARK	091°16'09"	27548.15	95.3	0.05	V	JAKH	01-Mar-73	OP	CML
670	MENLO PARK	091°16'09"	27548.15	102.1	0.05	V	RSQ	01-Mar-73	OP	PBS
671	MENLO PARK	091°16'09"	27548.15	89	0.05	V	WOTSW	01-Mar-73	OP	PBS
672	MENLO PARK	091°16'09"	27548.15	53.6	0.05	V	2000	01-Mar-73	OP	PBS
673	MENLO PARK	091°16'09"	27548.15	105.1	0.04	V	SAFN	01-Mar-73	OP	PBS
674	MERRIMILLE	091°30'40"	27544.30	90.4	1	V			SP	CTY
675	MERRIVILLE	091°30'40"	27544.30	101.1	0.01	V	HSG	10-Apr-08	OPE	PBS
676	MIDDLEBURG	091°12'24"	27549.04	83.1	11	V	KRABROH	06/06/2003	OPE	CTY
677	MIDDLEBURG	091°12'24"	27549.04	95	11	V	JAKH	01-Oct-04	OPE	CML
678	MIDDLEBURG	091°12'24"	27549.04	106.4	11	V	W-POWER		LIC	CML
679	MIDDLEBURG	091°12'24"	27549.04	101.8	11	V	HSG	01-Oct-04	OPE	PBS
680	MIDDLEBURG	091°12'24"	27549.04	106.3	11	V	W-POWER	01-Apr-03	OPE	PBS
681	MIDDLEBURG	091°12'24"	27549.04	106.3	11	V	W-POWER	01-Apr-03	OPE	PBS
682	MIDDLEBURG	091°12'24"	27549.04	103.8	11	V	JAKH	01-Jan-04	OPE	PBS
683	MIDDLEBURG	091°12'24"	27549.04	106.3	11	V	W-POWER	01-Apr-03	OPE	PBS
684	MIDDLEBURG	091°12'24"	27549.04	98.2	11	V	2000	01-Aug-08	OPE	PBS

## ANNEXURE A - VHF/UHF FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES		FREQ (MHz)	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE		ERP (WPT)	POL	PROGRAMME	CH-UP DATE	STATUS	CAT
865	W DEELJUNG	022E23.24	23549.04	105.4	15	V	SAIN	01-Oct-01	OPE	PBS
866	W DEELJUNG	022E23.24	23549.04	105.7	15	V	THOBELA	01-Oct-01	OPE	PBS
867	W DEELJUNG	022E23.24	23549.04	107.4	15	V	UKHOUZ	01-Jun-00	OPE	PBS
868	W DEELJUNG	022E23.57	23549.02	89.2	0.5	V	SAIDDELB		OPE	CITY
869	W DOLETON	022E24.29	23544.53	91.2	0.5	V			SPA	CITY
870	W DRAAD	022E15.43	26520.01	107.4	0.1	V	MCR		SP	CITY
871	W DRAAD	022E15.53	26520.01	93.8	0.1	V	W DRAAD.COM		OPE	CITY
872	W EK	022E18.15	26541.30	107.7	20	V			SPA	CITY
873	W EN	022E18.15	26541.30	39.2	20	V			SPA	CML
874	W ER	022E18.15	26541.30	106.3	20	V			SPA	PBS
875	W ER	022E18.15	26541.30	95.9	20	V			SPA	PBS
876	W GALLAG	023E07.24	33539.27	95.3	4	V	REFRIGERATOR		SP	CITY
877	W MARATHO	022E34.48	23550.22	91.8	10	V	RADIO NW		OPE	CML
878	W MARATHO	022E34.48	23550.22	38.1	10	V	WCTSW	1-Apr-01	OPE	PBS
879	W MARATHO	022E34.48	23550.22	95	5	V			SPA	PBS
702	MOGWASE	022E16.00	23510.26	97.6	2	V			SP	CITY
703	MOGWASE	022E16.00	23510.26	88.2	2	V			SP	CML
704	MOGWASE	022E16.00	23510.26	94.5	2	V			SP	PBS
705	MOHILLO	022E13.51	23519.27	38.8	0.5	V	WCH-JOH		OPE	CITY
706	MONOPANE	022E02.28	23519.46	126	-	V	WOKOPANE		OPE	CITY
707	MOLEMA	022E02.45	23516.08	95.2	5	H			SPA	CITY
708	MOLEMA	022E02.45	23516.08	93	10	H	PHALA	1-Dec-01	OPE	PBS
709	MONTAGU	022E04.37	33547.16	92.1	0.23	V	4-FM	01-Oct-01	SP	CML
710	MONTAGU	022E04.37	33547.16	104.7	0.23	V	RSG	01-Oct-01	SP	PBS
711	MONTAGU	022E04.37	33547.16	107.9	0.23	V	SAFM	01-Sep-01	SP	PBS
712	MOCHIKWA	020E52.04	29511.07	85.1	10	V			SP	CITY
713	MOCHIKWA	020E52.04	29511.07	95.4	10	V	WCOAST	01-May-01	OPE	CML
714	MOCHIKWA	020E52.04	29511.07	102.2	10	V	RSG	01-Jul-01	OPE	PBS
715	MOCHIKWA	020E52.04	29511.07	98.7	10	V	WCO	01-Jul-01	OPE	PBS
716	MOCHIKWA	020E52.04	29511.07	105.8	10	V	SAFM	01-Jul-01	SP	PBS
717	MOCHIKWA	020E52.04	29511.07	95.8	10	V	W4-HQ2	01-Jul-01	OPE	CML
718	MOCHIKWA	020E52.04	29511.07	92.2	10	V			SPA	CML
719	MOCHIKWA	020E52.04	29511.07	95.3	10	V	WCTSW	1-Apr-01	SP	CITY
720	MOCHIKWA	020E52.04	29511.07	103.7	10	V			SPA	CITY
721	MOCHIKWA	020E52.04	29511.07	100.2	10	V			SPA	PBS
722	MOCHIKWA	020E52.04	29511.07	103.5	10	H			SPA	CITY
723	MOCTSWEDI	022E52.18	23518.55	100	5	H			SPA	CITY
724	MOCTSWEDI	022E52.18	23518.55	107.1	5	H	WCTSW	1-Apr-01	OPE	PBS
725	MOINTAYLFF	020E25.41	30530.11	100.5	5	V			SP	CITY
726	MOINTAYLFF	020E25.41	30530.11	98.3	0.02	V	ALBERTONFM		SP	CITY
727	MOINTAYLFF	020E25.41	30530.11	98.4	30	V			SPA	CML
728	MOINTAYLFF	020E25.41	30530.11	103.2	10	V	RSG	01-Jun-01	OPE	PBS
729	MOINTAYLFF	020E25.41	30530.11	99.1	10	V	WCO	01-Jun-01	OPE	PBS
730	MOINTAYLFF	020E25.41	30530.11	106.6	10	V	SAFM	01-Jun-01	OPE	PBS
731	MOINTAYLFF	020E25.41	30530.11	90.1	10	V	W4-QD21	01-Jun-01	OPE	PBS
732	MOINTAYLFF	020E25.41	30530.11	93.2	10	V	WEAT	01-Jun-01	OPE	PBS
733	MOINTAYLFF	020E25.41	30530.11	90.4	5	V			SPA	PBS
734	MOINTAYLFF	020E25.41	30530.11	100	5	V			SPA	PBS
735	MP2EMA	022E15.45	23556.40	101.6	0.02	V	PHALA		SP	PBS
736	MURRAYBURG	022E24.16	31548.00	107.3	2	V			SP	CITY
737	NASDOMEPIRI	022E24.20	24531.15	80.2	0.02	V	NASDOME	30-Apr-01	SP	CITY
738	NAP-LP	012153.35	34531.45	98.9	10	V			SPA	CML
739	NAP-FA	012153.35	34531.45	92.4	10	V			SPA	CITY
740	NAP-EE	012153.35	34531.45	95.6	5	V	K-FM	01-Jun-01	OPE	CML
741	NAP-FR	012153.35	34531.45	93.3	10	V			SPA	PBS

## ANNEXURE A - VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS					
		LONGITUDE	LATITUDE		(MHz)	ERP (kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT	
740	NAUJEN	019E52.35	34S31.45	102.4	2	V	RSG		01-Jun-64	OPE	PBS	
741	NAUKER	019E53.35	34S31.45	102.4	2	V	SATEL		01-Jun-64	OPE	PBS	
742	NEELSPORUT	021E07.25	25S30.55	101.5	0.01	V	RSG		10-Apr-02	OPE	PBS	
743	NEELSPRUT	021E08.15	25S30.55	104.1	0.5	V	BAMBIN		1-Aug-03	OPE	CITY	
744	NEELSPRUT	021E08.15	25S30.55	104.1	12	V	W-POWER			OIC	CITY	
745	NEELSPRUT	021E08.15	25S30.55	104.5	1	V	WE-FM		20-Apr-97	OPE	CITY	
746	NEELSPRUT	021E08.15	25S30.55	104.7	1	V				SPA	CITY	
747	NEELSPRUT	021E08.15	25S30.55	107.3	0.2	V				SPA	CITY	
748	NEELSPRUT	021E08.15	25S30.55	107.4	17	V				SPA	CITY	
749	NEELSPRUT	021E08.15	25S30.55	96.1	12	V	WAMM		01-Aug-96	OPE	CML	
750	NEELSPRUT	021E08.15	25S30.55	68	12	V				SPA	PBS	
751	NEELSPRUT	021E08.15	25S30.55	102.5	12	V	RSG		01-Sep-06	OPE	PBS	
752	NEELSPRUT	021E08.15	25S30.55	91.1	12	V	W-FM		01-Jul-93	OPE	PBS	
753	NEELSPRUT	021E08.15	25S30.55	92.5	12	V	WIGWA		01-Apr-92	OPE	PBS	
754	NEELSPRUT	021E08.15	25S30.55	88.4	12	V	WERE		01-Apr-92	OPE	PBS	
755	NEELSPRUT	021E08.15	25S30.55	258.0	12	V	W900		01-Aug-96	OPE	PBS	
756	NEELSPRUT	021E08.15	25S30.55	106.1	12	V	SATEL		01-Sep-06	OPE	PBS	
757	NEWCASTLE	020E57.12	27S43.07	100.7	1	V	NEWCASTLE		10-Dec-01	OPE	CITY	
758	NEWCASTLE	020E57.12	27S43.07	96.8	0.1	V	NEWCAST		01-Sep-02	OPE	CML	
759	NOGE, FMI	020E07.34	31S45.87	89	30	V	W948			OPE	PBS	
760	NOGENIPUT	020E18.32	27S35.00	98.8	10	V				SPA	CITY	
761	NOGENIPUT	020E18.32	27S35.00	102.0	10	V				SPA	CML	
762	NOGENIPUT	020E18.32	27S35.00	68.2	10	V				SPA	PBS	
763	NOGENIPUT	020E18.32	27S35.00	93.5	10	V				SPA	PBS	
764	NOGENIPUT	020E18.32	27S35.00	92.0	10	V				SPA	PBS	
765	NOGENIPUT	020E18.32	27S35.00	105.9	10	V				SPA	PBS	
766	NOGENIPUT	020E18.32	27S35.00	105.9	10	V				SPA	PBS	
767	NOGENIPUT	020E18.32	27S35.00	105.9	10	V				SPA	PBS	
768	NOGENOMA	021E39.27	27S34.16	97	1	V				SP	CITY	
769	NOGENOMA	021E39.27	27S34.16	96.1	10	V	EGGASH		01-Aug-11	OPE	CML	
770	NOGENOMA	021E39.27	27S34.16	102.9	10	V	RSG		01-Aug-11	OPE	PBS	
771	NOGENOMA	021E39.27	27S34.16	89.6	10	V	METRD		01-May-04	OPE	PBS	
772	NOGENOMA	021E39.27	27S34.16	89.4	10	V	W900		01-Oct-11	OPE	PBS	
773	NOGENOMA	021E39.27	27S34.16	106.5	10	V	SATEL		01-Aug-11	OPE	PBS	
774	NOGENOMA	021E39.27	27S34.16	97.9	10	V	W94021		01-Aug-11	OPE	PBS	
775	NOJPOOH	024E56.21	31S18.14	88.3	10	V				SPA	CITY	
776	NOJPOOH	024E56.21	31S18.14	94.6	10	V	ALGORA		01-May-04	OPE	CML	
777	NOJPOOH	024E56.21	31S18.14	97.6	10	V				SPA	PBS	
778	NOJPOOH	024E56.21	31S18.14	101.4	10	V	RSG		01-May-04	OPE	PBS	
779	NOJPOOH	024E56.21	31S18.14	105	10	V	SATEL		01-May-04	OPE	PBS	
780	NOJPOOH	024E56.21	31S18.14	51.4	10	V	NHL		01-May-04	OPE	PBS	
781	NOJUTU	026E42.42	28S15.43	102.1	10	V				SPA	CML	
782	NOJUTU	026E42.42	28S15.43	100.6	10	V	JAHZ		05-Feb-07	OPE	PBS	
783	NOJUTU	026E42.42	28S15.43	22.9	0.2	V				SP	CITY	
784	NOJUTU	026E42.42	28S15.43	24547.54	100.6	C2				SP	CITY	
785	NOJUTU	026E42.42	28S15.43	24547.54	97.1	1	V			SP	CML	
786	NOJUTU	026E42.42	28S15.43	24547.54	95.1	0.2	V	JAKR		01-Jan-03	OPE	PBS
787	NOJUTU	026E42.42	28S15.43	24547.54	95.4	0.2	V			SP	PBS	
788	NOJUTU	026E42.42	28S15.43	24547.54	102.4	0.2	V			SPA	PBS	
789	NOJUTU	026E42.42	28S15.43	24547.54	102.9	0.2	V	RSG		01-Jan-03	OPE	PBS
790	NOJUTU	026E42.42	28S15.43	92.6	1	V	JKW		01-Jan-03	OPE	PBS	
791	NOJUTU	026E42.42	28S15.43	106.5	0.2	V	SATEL		01-Jan-03	OPE	PBS	
792	NOJUTU	026E42.42	28S15.43	91.3	0.2	V	THOBELA		01-Jan-03	OPE	PBS	
793	ORANGE FARM	027E51.27	26S32.19	100.6	0.2	V	ORANGE FM			SP	CITY	
794	OKAHIA	024E24.07	29S48.51	95.5	0.1	V	RADIO KAROO			OIC	CITY	
795	ODUTSHOOORN	022E16.02	33S42.16	96.8	1	V				SP	CML	
796	ODUTSHOOORN	022E16.02	33S42.16	95.3	1	V	KI-FM		01-Sep-02	OIC	CITY	
797	ODUTSHOOORN	022E16.02	33S42.16	95.3	1	V				SPA	CML	
798	ODUTSHOOORN	022E16.02	33S42.16	90.5	1	V				SPA	PBS	

## ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO COORDINATES		FREQ (MHz)	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE		ERP (W)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
299	DUITS-HOORN	022610 E	335421 S	102.6	9	V	F50	01-Sep-72	OPE	PBS
300	DUITS-HOORN	022610 E	335421 S	92.6	9	V	S FM	01-Jul-91	OPE	PBS
301	DUITS-HOORN	022610 E	335421 S	99.1	9	V	2300	01-Sep-72	OPE	PBS
302	ELDERTSHOORN	020716 E	335421 S	106.3	9	V	SAFM	01-Sep-72	OPE	PBS
303	ELDERTSHOORN	020716 E	335421 S	89.5	9	V	WENE	01-Dec-90	OPE	PBS
304	ELDERTSHOORN	020716 E	335421 S	104.1	1	V	REGENBODS FM		LC	CIV
305	PAARL	018656 E	335421 S	107.7	5.1	V	KC	01-Dec-21	OPE	CIV
306	PAARL	018656 E	335421 S	102.7	0.1	V	PAARL	20-Nov-98	OPE	CIV
307	PAARL	018656 E	335421 S	88.8	0.1	V	YDC		SP	CIV
308	PAARL	018656 E	335421 S	101.8	0.1	V	HSG	01-Jan-87	OPE	PBS
309	PAARL	018656 E	335421 S	88.3	0.1	V	SFM	01-Dec-86	OPE	PBS
310	PAARL	018656 E	335421 S	88.1	0.1	V	ZKX	01-Jan-87	OPE	PBS
311	PAARL	018656 E	335421 S	94.8	0.1	V	GOODFONE	01-Jan-87	OPE	PBS
312	PAARL	018656 E	335421 S	105.2	0.1	V	SATM	01-Jan-87	OPE	PBS
313	PAARL	018656 E	335421 S	81.8	0.1	V	SLHL	01-Jan-87	OPE	PBS
314	PALACE	024624 E	255094 S	95.4	10	V	MDTSW	01-Apr-98	OPE	PBS
315	PALACE	024624 E	255094 S	86.1	10	V			SP	PBS
316	PANSONS HILL	025635 E	335511 S	94.3	0.1	V	ALGOA	01-Jan-87	OPE	CML
317	PANSONS HILL	025635 E	335511 S	101.1	0.1	V	RSG	01-Jan-87	OPE	PBS
318	PANSONS HILL	025635 E	335511 S	87.9	0.1	V	WTFAC	01-Dec-91	OPE	PBS
319	PANSONS HILL	025635 E	335511 S	97.5	0.1	V	2000	01-Jan-87	OPE	PBS
320	PANSONS HILL	025136 E	335511 S	104.6	0.1	V	SFM	01-Jan-87	OPE	PBS
321	PANSONS HILL	025136 E	335511 S	81	0.1	V	WFTF	01-Jan-87	OPE	PBS
322	PARTS	024649 E	265312 S	80	0.5	V	LHTLME		LC	CIV
323	PATENS F	024649 E	335412 S	98.8	0.01	V	ALGOA	01-Apr-87	OPE	CML
324	PATENS L	024649 E	335412 S	88.8	0.01	V			SP	PBS
325	PATENS E	024649 E	335412 S	101.5	0.01	V	RSG	01-Apr-87	OPE	PBS
326	PATENS C	024649 E	335412 S	105	0.01	V	SAZM	01-Apr-87	OPE	PBS
327	PATENS E	024649 E	335412 S	91.6	0.01	V	WENE	01-Apr-87	SP	PBS
328	PAUL SAUER DAM	024633 E	335412 S	90.5	0.01	V			SP	CIV
329	PAUL SAUER DAM	024633 E	335412 S	98.8	0.01	V	ALGOA	01-Apr-87	OPE	CML
330	PAUL SAUER DAM	024633 E	335412 S	100.1	0.01	V			SP	PBS
331	PAUL SAUER DAM	024633 E	335412 S	123.6	0.01	V	RSG	01-Apr-87	SP	PBS
332	PAUL SAUER DAM	024633 E	335412 S	107.2	0.01	V	SFM	01-Apr-87	OPE	PBS
333	PAUL SAUER DAM	024633 E	335412 S	89.6	0.01	V	WENE	01-Apr-87	OPE	PBS
334	PETRUS STEYN	026119 E	275310 S	107.8	10	V			SPA	CIV
335	PETRUS STEYN	026119 E	275310 S	104.1	1	V			SPA	CIV
336	PETRUS STEYN	026119 E	275310 S	85.5	1	V	DRAME	01-Jan-71	OPE	CML
337	PETRUS STEYN	026119 E	275310 S	82.3	1	V			SPA	PBS
338	PETRUS STEYN	026119 E	275310 S	102.3	1	V	HSG	01-Jan-71	OPE	PBS
339	PETRUS STEYN	026119 E	275310 S	89.2	1	V	LESEL	01-Jan-71	OPE	PBS
340	PETRUS STEYN	026119 E	275310 S	84.8	1	V	2000	01-Jan-71	OPE	PBS
341	PETRUS STEYN	026119 E	275310 S	105.2	1	V	SAFM	01-Jan-71	OPE	PBS
342	PHALADORN	020701 E	335512 S	105.5	0.5	V	PHALADORN		LC	CIV
343	PIET PLESSIS	024649 E	265114 S	92.8	7.6	V			SPA	CIV
344	PIET PLESSIS	024649 E	265114 S	96	7.6	V			SPA	CML
345	PIET PLESSIS	024649 E	265114 S	102.8	7.6	V	RSG	01-Apr-86	OPE	PBS
346	PIET PLESSIS	024649 E	265114 S	104	7.6	V			SP	PBS
347	PIET PLESSIS	024649 E	265114 S	89.7	7.6	V	WCFW	01-Apr-86	OPE	PBS
348	PIET PLESSIS	024649 E	265114 S	106.4	7.6	V	SAFM	01-Apr-86	OPE	PBS
349	PIET PLESSIS	024649 E	265114 S	85	7.6	V	WPOWER		LC	CML
350	PIETRELLIEF	020811 E	335011 S	85	6.9	V			SPA	CIV
351	PLAATJESIEF	020841 E	335011 S	88.6	9	V			SPA	CIV
352	PIETRELLIEF	020841 E	335011 S	107.4	9	V			SPA	CIV
353	PIETRELLIEF	020841 E	335011 S	95.3	9	V	LAKR	01-May-55	OPE	CML
354	PIETRELLIEF	020841 E	335011 S	103.1	9	V	REG	01-Sep-85	OPE	PBS
355	PIETRELLIEF	020841 E	335011 S	105.2	9	V	SAFM	01-Sep-85	OPE	PBS

## ANNEXURE A VHF/SMF FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ (MHz)	ANTENNA		ADMINISTRATIVE RECORDS				
		LONGITUDE	LATITUDE		TYPE	ERP (W)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
816	PETERPEL	020E41.00	27501'11"	92.1	N	✓	V	UNICOR	01-Sep-05	OPE	PBS
817	PETERMARITZBURG	030E18.49	28534.47	98.5	S	✓	V	PICTURE	01-May-00	OPE	CML
818	PETERMARITZBURG	030E18.49	28534.47	101.5	S	✓	V	ENGELNDRUG		LIC	CTV
819	PETERMARITZBURG	030E18.49	28534.47	94.6	S	✓	V	ECCAST	01-Apr-04	OP	CML
820	PETERMARITZBURG	030E18.49	28534.47	101.8	S	✓	V	RSC	01-Apr-04	OP	PBS
821	PETERMARITZBURG	030E18.49	28534.47	100.3	S	✓	V	5FM	01-Dec-05	OPE	PBS
822	PETERMARITZBURG	030E18.49	28534.47	86.3	S	✓	V	LOTUS	01-Apr-04	OP	PBS
823	PETERMARITZBURG	030E18.49	28534.47	57.9	S	✓	V	2000	01-Apr-04	OP	PBS
824	PETERMARITZBURG	030E18.49	28534.47	72.5	S	✓	V	5AFM	01-Apr-04	OP	PBS
825	PETERMARITZBURG	030E18.49	28534.47	81.4	S	✓	V	UNICOR	01-Apr-04	OP	PBS
826	PETERSDORF	020E44.18	27511.13	100.9	S	✓	V	704F	08-Mar-97	OP	CTV
827	PIKEBING	010E44.18	27549.09	102.6	S	✓	V			SP	CTV
828	PIKEBING	010E44.18	27549.09	92.3	S	✓	V			SP	CTV
829	PIKEFEEPS	010E44.18	27549.09	94.2	S	✓	V	K-FM	01-JAN-05	OPE	CML
830	PIKEFEEPS	010E44.18	27549.09	88	S	✓	V			SPA	PBS
831	PIKIEBING	010E44.18	27549.09	101.7	S	✓	V	RSC	01-JUL-05	OPE	PBS
832	PIKIEBING	010E44.18	27549.09	92.8	S	✓	V	2000	01-JUL-05	OPE	PBS
833	PIKIEBING	010E44.18	27549.09	104.7	S	✓	V	5AFM	01-JUL-05	OPE	PBS
834	PIKIEBING	010E44.18	27549.09	91.7	S	✓	V	4FM	01-JUN-05	OPE	PBS
835	PIKESBERG	020E35.35	25521.07	93.3	S	✓	H			SPA	CTV
836	PIKESBERG	020E35.35	25521.07	98.3	S	✓	H			SPA	PBS
837	PIKESBERG	020E35.35	25521.07	92.3	S	✓	H	NOTSW	01-Apr-04	OPE	PBS
838	PLATEFONTEIN	020E39.18	28543.26	107.9	S	✓	V	5AFM	07-OCT-2003	OPE	PBS
839	PLETTENBERG BAY	020E22.50	34503.37	87.7	S	✓	V			SP	CTV
840	PLETTENBERG BAY	020E22.50	34503.37	104.3	S	✓	V			SP	CML
841	PLETTENBERG BAY	020E22.50	34503.37	94	S	✓	V	ALCOA	01-JAN-04	OP	CML
842	PLETTENBERG BAY	020E22.50	34503.37	97.3	S	✓	V			SP	PBS
843	PLETTENBERG BAY	020E22.50	34503.37	100.6	S	✓	V	RSG	01-JAN-04	OP	PBS
844	PLETTENBERG BAY	020E22.50	34503.37	104.4	S	✓	V	5AFM	01-JAN-04	OP	PBS
845	PLETTENBERG BAY	020E22.50	34503.37	90.8	S	✓	V	4FM	01-JAN-04	OP	PBS
846	POFadder	010E50.75	29512.70	89.7	S	✓	H			SPA	CTV
847	POFadder	010E50.75	29514.32	99.5	S	✓	H			SPA	CTV
848	POFadder	010E50.75	29514.32	98	S	✓	H	K-FM	01-DEC-05	OPE	CML
849	POFadder	010E50.75	29514.32	97.6	S	✓	H			SPA	PBS
850	POFadder	010E50.75	29514.32	98	S	✓	H	RSG	01-DEC-05	OPE	PBS
851	POFadder	010E50.75	29514.32	97.2	S	✓	H	5AFM	01-DEC-05	OPE	PBS
852	POFadder	010E50.75	29514.32	100.8	S	✓	H	4FM	01-DEC-05	OPE	PBS
853	POMIKLT	020E34.44	25549.52	91.1	S	✓	H			SPA	CTV
854	POMIKLT	020E34.44	25549.52	94.2	S	✓	H			SPA	CML
855	POMIKLT	020E34.44	25549.52	88	S	✓	H			SPA	CTV
856	POMIKLT	020E34.44	25549.52	92.2	S	✓	H	RSG	01-Apr-04	OPE	PBS
857	POMIKLT	020E34.44	25549.52	101.1	S	✓	H	5AFM	01-Apr-04	OPE	PBS
858	POMIKLT	020E34.44	25549.52	104.7	S	✓	H	4FM	01-Apr-04	OPE	PBS
859	PORT ELIZABETH	025E26.29	33556.10	87	S	✓	V	UNICOR	01-May-04	OPE	CTV
860	PORT ELIZABETH	025E26.29	33556.10	93.8	S	✓	V			SP	CML
861	PORT ELIZABETH	025E26.29	33556.10	95.3	S	✓	V	ALCOA	01-Nov-03	OPE	CML
862	PORT ELIZABETH	025E26.29	33556.10	102.3	S	✓	V	RSG	01-Nov-03	OPE	PBS
863	PORT ELIZABETH	025E26.29	33556.10	89.2	S	✓	V	5AFM	01-Nov-03	OPE	PBS
864	PORT ELIZABETH	025E26.29	33556.10	100.5	S	✓	V	METRO	01-Apr-04	OP	PBS
865	PORT ELIZABETH	025E26.29	33556.10	98.8	S	✓	V	2000	01-Nov-03	OPE	PBS
866	PORT ELIZABETH	025E26.29	33556.10	107.2	S	✓	V	CAMPUS BAY		OPE	CTV
867	PORT ELIZABETH	025E26.29	33556.10	95.4	S	✓	V	SUNNYSTAR	01-Sep-04	OPE	CTV
868	PORT ELIZABETH	025E26.29	33556.10	92	S	✓	V	CAZAS FM		OP	CML
869	PORT SHERSTONE	020E17.17	30544.07	103.5	S	✓	V	ECCAST	01-May-04	OPE	CTV
870	PORT SHERSTONE	020E17.17	30544.07	94.5	S	✓	V			OP	CML

## ANNEXURE A - VHF/UHF FREQUENCY ASSIGNMENTS 2009

NO.	TRANSMITTING STATION NAME	GEO CO-ORDINATES		FREQ	ANTENNA		ADMINISTRATIVE RECORDS				
		LONGITUDE	LATITUDE		(MHz)	ERP (W)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
813	PORT SHEPSTONE	29°01'17"	30°54'07"	101.2	10	V	V	PSA	01-May-62	OPE	PBS
814	PORT SHEPSTONE	29°01'17"	30°54'07"	85.2	10	V	V	LCTLS	01-Jun-94	OPE	PBS
815	PORT SHEPSTONE	29°01'17"	30°54'07"	97.8	10	V	V	PSM	01-May-62	OPE	PBS
816	PORT SHEPSTONE	29°01'17"	30°54'07"	104.9	10	V	V	SAPM	01-May-62	OPE	PBS
817	PORT SHEPSTONE	29°01'17"	30°54'07"	91.3	10	V	V	UM4021	01-May-62	OPE	PBS
818	PORT ST JOHN	29°12'39"	31°53'29"	103.7	1	V	V	RSG	01-Jan-92	OPE	PBS
819	PORT ST JOHN	29°12'39"	31°53'29"	100.2	1	V	V	PSM	01-Jan-92	OPE	PBS
820	PORT ST JOHN	29°12'39"	31°53'29"	107.3	1	V	V	PSA-M	01-Jan-92	OPE	PBS
821	PORT ST JOHN	29°12'39"	31°53'29"	93.7	1	V	V	NTNE	01-Oct-97	OPE	PBS
822	PORT ST JOHN	29°12'39"	31°53'29"	96.8	1	V	V			SPA	CML
823	PORT ST JOHN	29°12'39"	31°53'29"	92.5	1	V	V			SPA	CITY
824	POSTMASBURG	22°01'34"	26°51'45"	105.9	10	V	V			SP	CITY
825	POTCHEFSTROOM	22°15'33"	26°54'30"	93.6	200	V	V	RADIO PUK		LIC	CITY
826	POTCHEFSTROOM	22°15'33"	26°54'30"	97.4	0.02	V	V	ORNL-E	01-Jan-94	OP	CML
827	POTCHEFSTROOM	22°15'33"	26°54'30"	103.9	0.02	V	V	AGASSANG		LIC	CITY
828	POTGIETERSRUS	22°01'40"	24°50'24"	89.2	1	V	V			SP	CML
829	POTGIETERSRUS	22°01'40"	24°50'24"	96.3	10	V	V	CAPP CORN		LIC	CML
830	POTGIETERSRUS	22°01'40"	24°50'24"	94.6	10	V	V	JAKR	01-Sep-96	OPE	CML
831	POTGIETERSRUS	22°01'40"	24°50'24"	101.4	10	V	V	RSG	01-Sep-96	OPE	PBS
832	POTGIETERSRUS	22°01'40"	24°50'24"	91.8	10	V	V	5FM	01-Sep-96	OPE	PBS
833	POTGIETERSRUS	22°01'40"	24°50'24"	104.1	10	V	V	4WE	01-Sep-96	OPE	PBS
834	POTGIETERSRUS	22°01'40"	24°50'24"	106.3	10	V	V	METRO	01-Feb-03	OPE	PBS
835	POTGIETERSRUS	22°01'40"	24°50'24"	99.6	4	V	V	SPNT	01-Sep-96	OPE	PBS
836	POTGIETERSRUS	22°01'40"	24°50'24"	102.1	4	V	V	FINALX	01-Sep-96	OPE	FAS
837	POTGIETERSRUS	22°01'40"	24°50'24"	81.9	10	V	V	ZODI	01-Sep-96	OPE	PBS
838	POTGIETERSRUS	22°01'40"	24°50'24"	105	15	V	V	SAPM	01-Sep-96	OPE	PBS
839	POTGIETERSRUS	22°01'40"	24°50'24"	88.3	10	V	V	THOMELIA	01-Sep-96	OPE	FAS
840	POTGIETERSRUS	22°01'17"	24°56'32"	120	12	V	V	YSTERBERG	30-Apr-85	OP	CITY
841	PRETORIA	22°05'03"	25°54'20"	84.6	11	V	V			SP	CML
842	PRETORIA	22°05'03"	25°54'20"	106	11	V	V	RADIO 702		OP	CML
843	PRETORIA	22°05'03"	25°54'20"	84.3	22	V	V	JAKR	01-Jun-62	OPE	CML
844	PRETORIA	22°05'03"	25°54'20"	101	22	V	V	RSG	01-Jun-62	OPE	PBS
845	PRETORIA	22°05'03"	25°54'20"	88.3	11	V	V	LOWA	01-Jun-62	OPE	PBS
846	PRETORIA	22°05'03"	25°54'20"	92.4	11	V	V	METRO	01-Jun-62	OPE	PBS
847	PRETORIA	22°05'03"	25°54'20"	51	33	V	V	WC1SW	01-Jun-62	OPE	PBS
848	PRETORIA	22°05'03"	25°54'20"	95.8	11	V	V	WEME	01-Jun-62	OPE	PBS
849	PRETORIA	22°05'03"	25°54'20"	92.5	33	V	V	PSM	01-Jun-62	OPE	PBS
850	PRETORIA	22°05'03"	25°54'20"	104.6	33	V	V	SAPM	01-Jun-62	OPE	PBS
851	PRETORIA	22°05'03"	25°54'20"	87.8	33	V	V	THOMELIA	01-Jun-62	OPE	PBS
852	PRETORIA	22°05'03"	25°54'20"	102.4	11	V	V	UM4021	01-Sep-96	OPE	PBS
853	PRETORIA	22°05'03"	25°54'20"	96.8	11	V	V	WZ	01-Oct-97	OPE	PBS
854	PRETORIA	22°05'03"	25°54'20"	103	0.1	V	V	IMPACT	01-Sep-96	OP	CITY
855	PRETORIA NORTH	22°05'03"	25°54'20"	88.9	0.02	V	V	SPM	01-Oct-96	OP	PBS
856	PRETORIA TECH	22°05'03"	25°54'20"	93.6	0.1			100-511-FDD	31-Mar-04	OPE	CITY
857	PRESSKA	22°05'51"	26°54'52"	82.2	9	V	V			SP	CITY
858	PRESSKA	22°05'51"	26°54'52"	94	9	V	V	ORNL-E	01-Jan-73	OPE	CML
859	PRESSKA	22°05'51"	26°54'52"	97.5	9	V	V			SP	PBS
860	PRESSKA	22°05'51"	26°54'52"	100.8	9	V	V	RSG	01-Jan-73	OPE	PBS
861	PRESSKA	22°05'51"	26°54'52"	104.4	9	V	V	SAPM	01-Jan-73	OPE	PBS
862	PRESSKA	22°05'51"	26°54'52"	80.8	9	V	V	NENE	01-Jan-73	OPE	PBS
863	PRINCE ALBERT	22°05'48"	30°54'07"	101.2	0.01	V	V	RSG		OPE	FAS
864	PLYNA MARIA	03°24'39" E	27°54'12" S	102.4	5	V	V			SP	CITY
865	PLYNA MARIA	03°24'39" E	27°54'12" S	100.8	5	V	V			SP	CITY
866	PLYNA MARIA	03°24'39" E	27°54'12" S	104.4	5	V	V			SP	CML
867	PLYNA MARIA	03°24'39" E	27°54'12" S	85.6	5	V	V			SP	CML
868	PLYNA MARIA	03°24'39" E	27°54'12" S	89.2	5	V	V			SP	PBS
869	PLYNA MARIA	03°24'39" E	27°54'12" S	97.8	5	V	V			SP	PBS

## ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. COORDINATES		FREQ (MHz)	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE		FREQ (MHz)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAR
920	PUNDAMANA	030°19'19"	22°54'26"	91.1	N	V	WENE	01-Aug-78	OPE	PBS
921	PUNDAMANA	030°19'19"	22°54'34"	97.9	N	V	PHUNA_A	01-Aug-78	OPE	PBS
922	DOKAMA	026°10'21"	21°54'45"	91.9	ND	V			SP	CML
923	DOKAMA	026°10'21"	21°54'45"	90.7	ND	V	WENE			PBS
924	QUOKE	030°03'59"	26°53'23"	101.4	ND	V	LEK-D21	01-Jan-00	OPE	PBS
925	QUEENSTOWN	026°47'56"	31°54'56"	90.6	N	V			SP	CTY
926	QUEENSTOWN	026°47'56"	31°54'56"	93.7	ND	V			SP	CTY
927	QUEENSTOWN	026°47'56"	31°54'56"	104.2	N	V			SP	CML
928	QUEENSTOWN	026°47'56"	31°54'56"	95.4	N	V	ALDOX	01-Oct-69	OPE	LV.
929	QUEENSTOWN	026°47'56"	31°54'56"	102.3	N	V	RSG	01-Oct-45	OPE	PBS
930	QUEENSTOWN	026°47'56"	31°54'56"	102.3	N	V			SP	PBS
931	QUEENSTOWN	026°47'56"	31°54'56"	101.1	N	V	2600	01-Oct-65	CPT	PBS
932	QUEENSTOWN	026°47'56"	31°54'56"	91.6	N	V	GISAER	01-Nov-96	OP	PBS
933	QUEENSTOWN	026°47'56"	31°54'56"	105.8	N	V	SAPM	01-Oct-65	OPE	PBS
934	QUEENSTOWN	026°47'56"	31°54'56"	92.2	N	V	WENE	01-Oct-65	OPE	PBS
935	RICHMOND	024°06'16"	31°17'32"	86.6	N	V			SP	CTY
936	RITTERSON	026°57'52"	32°54'51"	81.9	N	V			SP	CTY
937	RIVERSDALE	021°07'41"	34°50'07"	87.6	N	V	EDEN FM		LIC	CTY
938	RIVERSDALE	021°07'41"	34°50'07"	87.4	N	V			SP	CML
939	RIVERSDALE	021°07'41"	34°50'07"	94.1	N	V	X FM	01-Nov-10	OPE	CML
940	RIVERSDALE	021°07'41"	34°50'07"	82.9	N	V			SP	PBS
941	RIVERSDALE	021°07'41"	34°50'07"	100.9	N	V	RSG	01-Jun-62	OPE	PBS
942	RIVERSDALE	021°07'41"	34°50'07"	104.5	N	V	SAPM	01-Jun-62	OPE	PBS
943	ROODEPOORT <sup>1</sup>	021°51'45"	26°59'14"	90.7	N	M	PANRDR	01-Jun-97	OPE	CTY
944	ROODEPOORT <sup>2</sup>	021°51'45"	26°59'14"	90.7	N	M	WILTHANE	01-Jun-97	OPE	CTY
945	RUGSDALE	021°E14'39"	26°52'53"	98.2	N	V	RIVERSIDE		OPE	CTY
946	RUSTENBURG	021°E17'06"	25°53'56"	88.8	N	V	RADIO NW		SP	CML
947	RUSTENBURG	021°E17'06"	25°53'56"	93.9	N	V	LAKP	01-Jun-62	OPE	CML
948	RUSTENBURG	021°E17'06"	25°53'56"	90.7	N	V			SP	PBS
949	RUSTENBURG	021°E17'06"	25°53'56"	100.9	N	V	RSG	01-Jun-62	CML	PBS
1000	RUSTENBURG	021°E17'06"	25°53'56"	87.6	N	V	MOTSW	01-Jun-62	OPE	PBS
1001	RUSTENBURG	021°E17'06"	25°53'56"	97.2	N	V	2000	01-Jun-62	OPE	PBS
1002	RUSTENBURG	021°E17'06"	25°53'56"	104.5	N	V	SAPM	01-Jun-62	OP	PBS
1003	RUSTENBURG <sup>1</sup>	021°E17'06"	25°53'56"	91.4	N	V	MAP SA	01-Jun-97	OP	CTY
1004	SABIE	030°E45'34"	25°50'44"	88.6	N	N			SP	CTY
1005	SABIE	030°E45'34"	25°50'44"	90.5	N	N			SP	CTY
1006	SABIE	030°E45'34"	25°50'44"	104.1	N	N			SP	CTY
1007	SABIE	030°E45'34"	25°50'44"	87.1	N	N	JAKR	01-Sep-91	OP	CML
1008	SABIE	030°E45'34"	25°50'44"	104.2	N	N	RSG	01-Sep-91	OP	PBS
1009	SABIE	030°E45'34"	25°50'44"	107.6	N	N	SAPM	01-Sep-91	OP	PBS
1010	SABIEBURG	029°E48'55"	26°54'45"	83.7	N	N	ORANGE	06-Oct-04	OPE	CML
1011	SASOLBLIKK	027°E51'05"	25°54'02"	100.2	N	N			SP	CTY
1012	SATIANA	031°E45'00"	24°52'46"	99.4	N	N			SP	CTY
1013	SCHMIDSON-FI	023°58'47"	28°54'53"	99.4	N	N	XFM	01-Aug-00	OPE	PBS
1014	SCHWEIZER REHNEK	025°E13'07"	27°53'13"	93.1	N	N			SP	CTY
1015	SCHWEIZER REHNEK	025°E13'07"	27°53'13"	96.2	N	N	CHANJI	01-Aug-78	OPE	CML
1016	SCHWEIZER REHNEK	025°E13'07"	27°53'13"	97.3	N	N	RADIO NW		OPE	CML
1017	SCHWEIZER REHNEK	025°E13'07"	27°53'13"	103.1	N	N	RSG	01-Aug-78	OPE	PBS
1018	SCHWEIZER REHNEK	025°E13'07"	27°53'13"	88.0	N	N	MOTSW	01-Aug-78	OPE	PBS
1019	SCHWEIZER REHNEK	025°E13'07"	27°53'13"	99.6	N	N	2000	01-Aug-78	OPE	PBS
1020	SCHWEIZER REHNEK	025°E13'07"	27°53'13"	106.7	N	N	SAPM	01-Aug-78	OPE	PBS
1021	SEA POINT	016°E21'51"	33°54'33"	103.5	N	N	RSG	01-Oct-06	OPE	PBS
1022	SEA POINT	016°E21'51"	33°54'33"	90.4	N	N	SAPM	01-Oct-06	OPE	PBS
1023	SEA POINT	016°E21'51"	33°54'33"	81.7	N	N	METRO	01-Jun-94	OPE	PBS
1024	SEA POINT	016°E21'51"	33°54'33"	100	N	N	2008	01-Oct-06	OPE	PBS
1025	SEA POINT	016°E21'51"	33°54'33"	98.7	N	N	GOCHNORT	01-Oct-06	OPE	PBS
1026	SEA POINT	016°E21'51"	33°54'33"	107.1	N	N	SAPM	01-Oct-06	OPE	PBS

## ANNEXURE A. VHF/UHF FREQUENCY ASSIGNMENTS 2009

NO.	TRANSMITTING STATION NAME	GEOD COORDINATES		FREQ (MHz)	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE		ERP (W)	POL	PROGRAMME	CHARGE DATE	STATUS	CAT
1027	SEAPPOINT	013E29.57	35554.39	93.5	0.02	V	NETE	01-Dec-08	DPE	PBS
1028	SECOLINDA	029E04.42	26530.24	104.9	-	V			SPA	CIV
1029	SECOLINDA 1	029E04.42	26530.24	102.9	0.2	V			SPA	CIV
1030	SECOLINDA 1	029E04.42	26530.24	99.4	0.2	V			SPA	CIV
1031	SENKAAL	027E30.26	26515.19	91.1	10	V			SPA	CIV
1032	SEMELKAL	027E30.26	26515.19	103.9	0.5	V	WA-FM	01-Jun-08	DPE	CIV
1033	SEMELKAL	027E30.26	26515.19	94.3	12	V	URANIE	01-May-08	DPE	CIV
1034	SENKAAL	027E30.26	26515.19	101.1	12	V	WSG	01-May-08	DPE	PBS
1035	SENKAAL	027E30.26	26515.19	88	10	V	125501	01-May-08	DPE	PBS
1036	SENKAAL	027E30.26	26515.19	97.6	12	V	2000	01-Jul-08	DPE	PBS
1037	SENKAAL	027E30.26	26515.19	104.2	12	V	SAFM	01-May-08	CP	PBS
1038	SESHEGO	029E18.58	25545.47	98.6	-	V	MOIETS		DPE	CIV
1039	SEVERN	020E11.53	26535.21	98.7	0.02	V	MOSW		IC	PBS
1040	S RASA	030E26.54	28558.57	69.9	5.6	V	CAPRICORN		IC	CIV
1041	S RASA	030E26.54	28558.57	101.1	5.6	V			SPA	CIV
1042	S RASA	030E26.54	28558.57	108.6	6	V	IPAKA	01-Dec-07	DPE	PBS
1043	S RASA 1	030E26.54	28558.57	99.8	2.0	V	UNIVEN	01-Apr-07	DPE	CIV
1044	SIMONSTOWN	018E25.37	34511.54	102.4	0.08	V			SP	CIV
1045	SIMONSTOWN	018E24.51	34511.54	89.5	0.08	V			SP	CIV
1046	SIMONSTOWN	018E25.37	34511.54	90.7	0.075	V			SPA	CIV
1047	SIMONSTOWN	018E25.37	34511.54	106	0.08	V			SP	PBS
1048	SIMONSTOWN	018E25.37	34511.54	100.7	0.08	V	WSG	01-May-08	DPE	PBS
1049	SIMONSTOWN	018E25.37	34511.54	97.6	0.08	V	SHM	01-May-08	DPE	PBS
1050	SIMONSTOWN	018E25.37	34511.54	92.2	0.08	V	2000	01-May-08	DPE	PBS
1051	SIMONSTOWN	018E25.37	34511.54	92.9	0.08	V	GOODHOPE	01-May-08	DPE	PBS
1052	SIMONSTOWN	018E25.37	34511.54	104.3	0.08	V	SAFM	01-May-08	DPE	PBS
1053	SMITHFIELD	028E21.58	29555.43	120	2	V			SPA	CIV
1054	SMITHFIELD	028E21.58	29555.43	107.1	12	V			SPA	CIV
1055	SMITHFIELD	028E21.58	29555.43	93.5	50	V			SPA	PBS
1056	SMITHFIELD	028E21.58	29555.43	92.4	50	V			SPA	PBS
1057	SMITHFIELD	028E21.58	29555.43	97.7	50	V			SPA	PBS
1058	SMITHFIELD	028E21.58	29555.43	103.5	50	V			SPA	PBS
1059	SOSHANGUVE	029E06.24	25530.53	65	0.1	V	SCOT	01-Feb-08	DPE	CIV
1060	SOSHANGUVE 1	029E06.24	25530.53	95.2	0.01	V	WSG	15-Jul-08	DP	CIV
1061	ROWTTD	027E50.42	26519.48	105.8	0.1	V	SOMETO	01-Aug-08	DP	CIV
1062	SPRINGBOCK	017E48.29	29535.24	98.5	50	V			SPA	CIV
1063	SPRINGBOCK	017E48.29	29535.24	97.6	50	V			SPA	CIV
1064	SPRINGBOCK	017E48.29	29535.24	94.8	10	V	WSM	01-Feb-08	DPE	CIV
1065	SPRINGBOK	017E48.29	29535.24	101.6	10	V	WSG	01-Feb-08	DPE	PBS
1066	SPRINGBOK	017E48.29	29535.24	105.2	10	V	SAFM	01-Feb-08	DPE	PBS
1067	SPRINGBOK 1	017E48.29	29535.24	95.8	10	V			SPA	CIV
1068	SPRINGBOKTEK	028E16.08	30518.14	95.8	10	V			SPA	CIV
1069	SPRINGBOKTEK 1	028E16.08	30518.14	102.4	10	V	WSG	01-Oct-08	DPE	PBS
1070	SPRINGBOKTEK 1	028E16.08	30518.14	99.5	10	V	WSG	01-Oct-08	DPE	PBS
1071	SPRINGBOKTEK 1	028E16.08	30518.14	99.5	10	V	WSG	01-Oct-08	DPE	PBS
1072	SPRINGBOKTEK 1	028E16.08	30518.14	99.1	10	V	2000	01-Oct-08	DPE	PBS
1073	SPRINGBOKTEK 1	028E16.08	30518.14	106.2	10	V	SAFM	01-Oct-08	CP	PBS
1074	SPRINGBOKTEK 1	028E16.08	30518.14	82.6	10	V	NET	01-Jun-08	DPE	PBS
1075	SPR HOG	028E21.17	26515.02	83.9	0.05	V	EASTRAND	01-Oct-08	CP	CIV
1076	SPR JUITVIEW	028E17.32	26520.51	87.1	0.05	V	KATHORUS		LIC	CIV
1077	STANDERKON	029E17.00	26537.00	100.7	0.5	V			SPA	CIV
1078	STEKNOPP	017E31.00	29505.00	98	10	V			SPA	CIV
1079	STELLENBOSCH	017E52.11	30554.56	101.6	0.02	V	PACT	30-Jun-08	DPE	CIV
1080	STELLENBOSCH	017E52.11	30554.56	106.9	0.02	V	WSG	01-Nov-08	DPE	PBS
1081	STELLENBOSCH	017E52.11	30554.56	87.8	0.02	V	SCM	01-Dec-08	DPE	PBS
1082	STELLENBOSCH	017E52.11	30554.56	97.4	0.02	V	2000	01-Nov-08	DPE	PBS
1083	STELLENBOSCH	017E52.11	30554.56	94.1	0.02	V	GODDORT	01-Nov-08	DPE	PBS

## ANNEXURE A: VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES		FREQ (MHz)	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE		ERP (W)	POL	PROGRAMME	ON AIR DATE	STATUS	CAT
1084	STELENBOSCH	018E52'11	33554'46	104.5	0.02	V	SFM	21-Nov-72	OPE	PBS
1085	STELENBOSCH 4	018E52'11	33554'56	90.6	0.02	V	MFM	21-Nov-72	OPE	PBS
1086	STELENBOSCH 4.1	018E52'15	33555'54	90.6	0.02	V	MATH	01-May-95	OP	CTY
1087	STERKSPRUIT	027E16'18	30541'44	104.9	0.1	V	LELIPHEN		IC	CTY
1088	STERKSPRUIT	027E16'18	30541'44	100.4	0.1	V			SP	CML
1089	STERKSPRUIT T	027E16'18	30541'44	103.7	0.1	V	NENE	1-Dec-97	DPE	PBS
1090	STEYLERVILLE	024E22'02	33516'20	88.4	0.1	V			SPA	CTY
1091	STEYLERVILLE	024E22'02	33516'20	94.7	0.1	V			SPA	CTY
1092	STEYLERVILLE	024E22'02	33516'20	101.5	0.1	V			SPA	CTY
1093	STEYLERVILLE	024E22'02	33516'20	97.5	0.1	V			SPA	CTY
1094	STEYLERVILLE	024E22'02	33516'20	105.1	0.1	V			SPA	CTY
1095	STEYLERVILLE F	024E22'02	33516'20	105.1	0.1	V			SPA	CTY
1096	STRAALDWERK	029E50'53	30520'49	88.8	0.1	V			SPA	CTY
1097	STRAALDWERK	029E50'53	30520'49	95.5	0.1	V	UKHOZI	01-Jun-95	OPE	PBS
1098	STRAALDWERK	029E50'53	30520'49	95.5	0.1	V	WEST	01-Dec-97	OP	PBS
1099	SUUNIS DE	028E12'24	28545'53	90.5	0.1	V	EPZL	01-Aug-95	DPE	CTY
1100	SUUNIS DE	028E12'24	28545'53	97.2	0.1	V	ELKS	01-May-95	OPE	CTY
1101	SUUNIS DE	028E12'24	28545'53	103.6	0.1	V	5 FM	21-Jun-95	OP	PBS
1102	SUUNIS DE	028E12'24	28545'53	106.1	0.1	V	LOTUS	01-Apr-90	OP	PBS
1103	SUPINGSTAD	026E21'36	24541'20	107.9	0.025	V			SP	CTY
1104	SUPINGSTAD	026E21'36	24541'20	109.5	0.1	V	MOTSW	01-Apr-90	OP	PBS
1105	SUPINGSTAD	026E21'36	24541'20	104.2	0.1	V			SP	PBS
1106	SUJABERG	025E34'29	33514'55	95.5	0.1	V	AUGUA	01-Jun-72	OPE	CML
1107	SUJABERG	025E34'29	33514'55	96.5	0.1	V			SPA	PBS
1108	SUJABERG	025E34'29	33514'55	101.8	0.1	V	HSG	01-Jun-72	OPE	PBS
1109	SUJABERG	025E34'29	33514'55	105.4	0.1	V	SAFIN	01-Jun-72	OPE	PBS
1110	SUJABERG	025E34'29	33514'55	81.6	0.1	V	NENE	01-Jun-72	OPE	PBS
1111	TABLE MOUNTAIN	018E24'13	33557'25	102.8	0.02	V	RSG	01-Jan-83	OP	FAS
1112	TABLE MOUNTAIN	018E24'13	33557'25	89.6	0.02	V	SFM	01-Oct-82	OPE	PBS
1113	TABLE MOUNTAIN	018E24'13	33557'25	88.8	0.02	V	METRO	01-Jan-84	OP	PBS
1114	TABLE MOUNTAIN	018E24'13	33557'25	89.1	0.02	V	NGC	01-Jan-83	OP	PBS
1115	TABLE MOUNTAIN	018E24'13	33557'25	85.6	0.02	V	SAOOG-OPE	01-Jan-83	OP	PBS
1116	TABLE MOUNTAIN	018E24'13	33557'25	104.2	0.02	V	SFM	01-Jan-83	OP	PBS
1117	TABLE MOUNTAIN	018E24'13	33557'25	92.5	0.02	V	NENE	01-Jan-83	OP	PBS
1118	TAUNG	024E37'06	27531'30	91.6	0.1	H	RADIO KW		OPE	CML
1119	TAUNG	024E37'06	27531'30	95.1	0.1	H			SPA	CTY
1120	TAUNG	024E37'06	27531'30	92.4	0.1	H	WALL	16-Apr-93	OPE	CTY
1121	TAUNG	024E37'06	27531'30	88.8	0.1	H	MOTSW	01-Apr-93	OPE	PBS
1122	TEBE-SA	028E13'00	26500'45	87.6	0.1	V	TEMBISA		OP	CTY
1123	THABANCHO	026E45'45	26515'24	87.4	0.1	V	WGLPA	01-Jun-93	DPE	CTY
1124	THABANCHO	026E45'45	26515'24	87.4	0.1	V	LESOTI	01-May-93	OPE	PBS
1125	THABANCHO	026E45'45	26515'24	100.3	0.1	V	MOTSW	01-Apr-93	OPE	PBS
1126	THABANCHO	026E45'45	26515'24	100.8	0.1	V			SPA	PBS
1127	THABAZIMBI	027E35'31	24523'50	103.7	0.1	V	KRANSB	01-Apr-97	OP	CTY
1128	THABAZIMBI	027E36'51	24527'55	97.4	0.1	V	THABAZIMBI		OPE	CTY
1129	THABAZIMBI	027E36'51	24527'55	95.1	0.1	V	LAKE	01-Mar-73	CFF	CML
1130	THABAZIMBI	027E36'51	24527'55	91.6	0.1	V	RSG	01-Nov-72	OPE	FAS
1131	THABAZIMBI	027E36'51	24527'55	88.8	0.1	V	MOTSW	01-Nov-72	OPE	PBS
1132	THABAZIMBI	027E36'51	24527'55	98.4	0.1	V	2000	01-Aug-93	OPE	PBS
1133	THABAZIMBI	027E36'51	24527'55	102.5	0.1	V	SAJW	01-Mar-73	OPE	PBS
1134	THABAZIMBI	027E36'51	24527'55	82.1	0.1	V	THABAZIMBI	01-Jan-94	OPE	FAS
1135	THE BELT	031E00'45	29544'42	105.2	0.1	V	ECUASAT	01-Feb-73	OPE	CML
1136	THE BELT	031E00'45	29544'42	105.1	0.1	V	DBHAR	08-Aug-93	OP	CTY
1137	THE BELT	031E00'45	29544'42	107.4	0.1	V	RSG	01-Feb-73	OPE	PBS
1138	THE BLUFF	031E00'45	29554'40	107.4	0.1	V	S-FM	14-Apr-93	OPE	PBS
1139	THE BLUFF	031E00'45	29554'40	95.8	0.1	V	LDLDS	01-Jan-93	OPE	PBS
1140	THE BLUFF	031E00'45	29554'40	96.5	0.1	V	2000	01-Feb-73	OPE	PBS

## ANNEXURE A - VHF/UHF FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES		FREQ (MHz)	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE		ERP (W)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
1141	THE BLUFFS	031E20.45	29554.40	106.6	0.1	V	SAFM	01-Feb-76	OPE	PBS
1142	THE BLUFFS	031E20.45	29554.40	0.1	0.1	V	UH4021	01-Feb-76	OPE	PBS
1143	THE HAMPTON	028E42.50	28513.20	92.4	5	V			SPA	CTY
1144	THE JAZZEN	028E42.50	28513.20	95	5	V			SPA	CTY
1145	THE JAZZEN	028E42.50	28513.20	69.7	5	V			SPA	PBS
1146	THE JUNISSEN	028E34.50	28511.55	104.3	0.4	V			SP	CTY
1147	THE JUNISSEN	028E34.50	28511.55	95.7	10	V	ORAHIE	01-Jan-64	OPE	CML
1148	THE JUNISSEN	028E34.50	28511.55	102.5	10	V	RSG	01-Jan-64	OPE	PBS
1149	THE JUNISSEN	028E34.50	28511.55	92.5	10	V	SFM	01-Jan-64	OPE	PBS
1150	THE JUNISSEN	028E34.50	28511.55	89.4	10	V	LESED	01-Jan-64	OPE	PBS
1151	THE JUNISSEN	028E34.50	28511.55	95	10	V	ZODD	01-Jan-64	OPE	PBS
1152	THE JUNISSEN	028E34.50	28511.55	108.1	10	V	SAFM	01-Jan-64	OPE	PBS
1153	THE JUNISSEN	028E34.50	28511.55	89.8	10	V	4FM	01-Dec-91	OP	PBS
1154	THUABANE	027E11.39	28537.15	96.2	0.005	V			SP	CTY
1155	THUABANE	027E11.39	28537.15	95	0.005	V			SP	CTY
1156	TD-WT	028E27.26	21504.54	88.5	10	V	THOBELA	01-Dec-01	OPE	PBS
1157	TSHANAVLO2	030E31.42	22529.15	154	2.8	V			SPA	CTY
1158	TSHANAVLO2	030E31.42	22529.15	107.5	2.8	V			SPA	PBS
1159	TSHANAVLO2	030E31.42	22529.15	100.5	0.25	V	PHALA	01-Dec-01	OPE	PBS
1160	TSI-LWANA	023E04.38	26524.54	95.1	10	V			SPA	CTY
1161	TSI-LWANA	023E04.38	26524.54	95.4	10	V			SPA	CTY
1162	TSI-LWANA	023E04.38	26524.54	95.6	10	V			SPA	PBS
1163	TUBATE	028E19.47	24540.04	93.4	0.2	V	CLIMATE		OP	CTY
1164	TYGERBERG	018E15.48	33552.29	104.9	1.3	V	HOT	01-Aug-97	OPE	CML
1165	TYGERBERG	018E15.48	33552.29	101.3	0.5	V	BUSH RADIO	01-Jul-95	OP	CTY
1166	TYGERBERG	018E15.48	33552.29	107.5	0.25	V	CCFM	01-Aug-95	OPE	CTY
1167	TYGERBERG	018E15.48	33552.29	97.3	1.3	V			OP	CML
1168	TYGERBERG	018E15.48	33552.29	100.4	0.25	V	WOC		OP	CTY
1169	TYGLIBELNG	018E15.48	33552.29	99.5	0.25	V	RCF	01-Aug-95	OP	CTY
1170	TYGERBERG	018E15.48	33552.29	104	0.25	V	TYGBERG	01-Aug-95	OP	CTY
1171	TYGERBERG	018E15.48	33552.29	94.5	1.3	V	K-FM	01-Jun-93	OP	CML
1172	TYGERBERG	018E15.48	33552.29	103	1.3	V	HQ	01-Jun-91	OP	PBS
1173	TYGERBERG	018E15.48	33552.29	98.7	1.3	V	5 FM	01-Jun-91	OP	PBS
1174	TYGERBERG	018E15.48	33552.29	97.4	1.3	V	LCFM	01-Jan-98	OP	PBS
1175	TYGERBERG	018E15.48	33552.29	92	1.3	V	MI TRD	01-Jun-91	OP	PBS
1176	TYGERBERG	018E15.48	33552.29	99.3	1.3	V	ZODD	01-Jun-91	OP	PBS
1177	TYLERKULING	018E32.46	33552.29	96.2	1.3	V	GOODHOPE	01-Jun-91	OP	PBS
1178	TYGERBERG	018E15.48	33552.29	102.8	1.3	V	SAFM	01-Jun-91	OP	PBS
1179	TZANEEN	032E00.17	23547.06	97.6	12	V	CAPP CORN		OPE	CML
1180	TZANEEN	032E00.17	23547.06	102.2	2	V	SEUCSESE	01-Sep-04	CPT	CTY
1181	TZANEEN	032E00.17	23547.06	95.6	12	V	JAFR	01-Aug-98	OP	CML
1182	TZANEEN	032E00.17	23547.06	102.8	12	V	RSG	01-Aug-98	OP	PBS
1183	TZANEEN	032E00.17	23547.06	92.8	12	V	NEHE	01-Aug-98	OP	PBS
1184	TZANEEN	032E00.17	23547.06	95.1	12	V	PHALA	01-May-95	OP	PBS
1185	TZANEEN	032E00.17	23547.06	102.7	12	V	ZODD	01-Aug-95	OP	PBS
1186	TZANEEN	032E00.17	23547.06	106.2	12	V	SAFM	01-Aug-95	OP	PBS
1187	TZANEEN	032E00.17	23547.06	92.5	12	V	THOBELA	01-Aug-95	OP	PBS
1188	UBOMBO	032E04.52	27532.42	85.3	3	V			SPA	CML
1189	UBOMBO	032E04.52	27532.42	107.6	0.5	V	MARU	01-Jun-02	OPE	CTY
1190	UBOMBO	032E04.52	27532.42	93.6	15	V	ACCAS	01-Oct-71	OPE	CML
1191	UBOMBO	032E04.52	27532.42	102.4	15	V	RSG	01-Apr-71	OPE	PBS
1192	UBOMBO	032E04.52	27532.42	98.9	15	V	ZODD	01-Dec-71	OPE	PBS
1193	UBOMBO	032E04.52	27532.42	106	15	V	SAFM	01-Oct-71	OPE	PBS
1194	UBOMBO	032E04.52	27532.42	92.4	15	V	UH4021	01-Oct-71	OPE	PBS
1195	UGIE	027E58.26	31515.26	99.1	0.5	V			SP	CTY
1196	UGIE	027E58.26	31515.26	99.3	0.5	V			SP	CML
1197	UGIE	027E58.26	31515.26	95.8	0.5	V			SP	PBS

## ANNEXURE A VHF/UHF FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEOD CO-ORDINATES		FREQ (MHz)	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE		ERP (W)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
1158	UGT	027E58.29	31'S11.29	102.6	0.5	V	RSG	01-Jun-88	OPE	PBS
1159	UGT	027E58.29	31'S11.29	102.4	0.5	V	SARM	01-Jun-88	OPE	PBS
1200	UGT	027E58.29	31'S11.29	92.5	0.5	V	NEHE	1-Jun-98	OPE	PBS
1201	JLJHD	031E23.08	28S27.00	94.2	10	V	KAGASU FM		LIC	CML
1202	JLJHD	031E23.08	28S27.00	87	1	V	UBURLE		OPE	CTY
1203	JLJHD	031E23.08	28S27.00	91.5	30	V	UKHIDI	15-May-02	OPE	PBS
1204	JMTATA	028E44.06	31'S35.48	98.5	10	V			SPA	CML
1205	JMTATA	028E44.06	31'S35.48	95.2	48	V			SPA	CML
1206	JMTATA	028E44.06	31'S35.48	87	1	V	UNITHA	01-Aug-96	OPE	CTY
1207	JMTATA	028E44.06	31'S35.48	102	10	V	RSG	01-Jan-85	OPE	PBS
1208	JMTATA	028E44.06	31'S35.48	98.5	10	V	2000	01-Jan-85	OPE	PBS
1209	JMTATA	028E44.06	31'S35.48	105.6	10	V	SARM	01-Jan-85	OPE	PBS
1210	JMTATA	028E44.06	31'S35.48	82	10	V	NET	1-Dec-97	OPE	PBS
1211	UNIONDALE	020E43.06	33S41.23	90.2	0.5	V			SPA	CTY
1212	UNIONDALE	020E43.06	33S41.23	90.4	0.5	V			SPA	CML
1213	UNIONDALE	020E43.06	33S41.23	95.4	0.5	V			SPA	CML
1214	UNIONDALE	020E43.06	33S41.23	98.9	0.5	V			SPA	PBS
1215	UNIONDALE	020E43.06	33S41.23	103.4	0.5	V	RSG	01-Apr-87	OPE	PBS
1216	UNIONDALE	020E43.06	33S41.23	102	20	V	SARM	01-Apr-87	OPE	PBS
1217	UPINGTON	021E44.12	26S52.56	93.5	10	V			SPA	CML
1218	UPINGTON	021E44.12	28S53.56	84.9	8	V	ORANGE	01-May-13	OPE	CML
1219	UPINGTON	021E44.12	28S52.56	84.6	10	V			SPA	PBS
1220	UPINGTON	021E44.12	26S52.56	102.2	5	V	RSG	01-May-73	OPE	PBS
1221	UPINGTON	021E44.12	28S52.56	105.2	8	V	SARM	01-May-73	OPE	PBS
1222	UPINGTON	021E44.12	28S52.56	91.7	8	V	NEHE	01-May-74	OPE	PBS
1223	UPINGTON NORTH	021E11.39	27S56.42	87.1	10	V			SPA	CTY
1224	VAN RAYNSDORP	018E41.74	31S45.12	80.5	50	V			SPA	CML
1225	VAN RAYNSDORP	018E41.74	31S45.12	85.4	3	V	NAMUDI	1-Nov-98	OPE	CTY
1226	VAN RAYNSDORP	018E41.74	31S45.12	86.8	17	V	K-FM	01-Sep-72	OPE	CML
1227	VAN RAYNSDORP	018E41.74	31S45.12	89.9	50	V			SPA	PBS
1228	VAN RAYNSDORP	018E41.74	31S45.12	103.8	17	V	RSG	01-Sep-72	OPE	PBS
1229	VAN RAYNSDORP	018E41.74	31S45.12	107	17	V	SARM	01-Sep-72	OPE	PBS
1230	VAN DERBUL PARK	020E43.10	26S59.50	102.7	0.5	V	SCCP FM	01-Sep-97	OPE	CTY
1231	VAN DERBUL PARK 1	020E51.47	26S42.54	98.8	0.2	V	PAULUVN	01-May-04	OPE	CTY
1232	VENTERSTAD	025E43.06	30S51.00	103.1	50	V			SPA	CTY
1233	VENTERSTAD	025E43.06	30S51.00	93.1	50	V			SPA	CML
1234	VENTERSTAD	025E43.06	30S51.00	96.3	50	V			SPA	PBS
1235	VENTERSTAD	025E43.06	30S51.00	98.6	50	V			SPA	PBS
1236	VENTERSTAD	025E43.06	30S51.00	103.1	50	V			SPA	PBS
1237	VEREENIGING	027E54.42	26S42.43	92.6	0.5	V	WAII	01-Aug-91	OPE	CTY
1238	VEREENIGING	027E54.42	26S42.43	92.3	0.5	V	KANGAIA	01-Dec-95	OPE	CTY
1239	VERMAAKSKOOP	025E16.29	35S38.17	89.7	1	V	EMMAN-JILL		LIC	CTY
1240	VERULAM	031E23.07	29S36.56	93.6	4	V	GOOD NEWS		LIC	CTY
1241	VICTORIA WEST	025E15.70	31S41.17	88	5	V			SPA	CTY
1242	VICTORIA WEST	025E15.70	31S41.17	91.1	5	V			SPA	CML
1243	VICTORIA WEST	025E15.70	31S41.17	94.1	5	V			SPA	PBS
1244	VICTORIA WEST	025E15.70	31S41.17	94.3	5	V			SPA	PBS
1245	VICTORIA WEST	025E15.70	31S41.17	101.1	4	V	RSG	01-Jun-89	OPE	PBS
1246	VICTORIA WEST	025E15.70	31S41.17	104.7	4	V	SARM	01-Jun-89	OPE	PBS
1247	VILLEKSKROON	027E01.06	27S08.74	101.1	5	V	OB-SVNL	23-Dec-97	OPE	CTY
1248	VILLANORA	026.21.26	23S42.02	87.8	10	V			SPA	CTY
1249	VILLERS	028E06.57	27S52.08	88.2	5.52	V	LESEO		LIC	PBS
1250	VILLERSDORP	018E30.25	33S58.09	82.5	10	V	K-FM	21-Oct-55	OPE	CML
1251	VILLERSDORP	018E30.25	33S58.09	80.3	10	V			SPA	PBS
1252	VILLERSDORP	018E30.25	33S58.09	103.3	10	V	KSG	01-Oct-85	OPE	PBS
1253	VILLERSDORP	018E30.25	33S58.09	95.7	10	V	2000	01-Oct-85	OPE	PBS
1254	VILLERSDORP	018E30.25	33S58.09	106.9	10	V	SARM	01-Oct-85	OPE	PBS

## ANNEXURE A. VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTER ID STATION NAME	GEO. CO-ORDINATES		FREQ (MHz)	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE		ERP (mW)	POL	PROGRAMME	ON-AIR DATE	STATUS	GAT
1255	VL-FRASDORP	219E10.25	35S18.08	85.5	10	V	NENE	01-Jun-94	OPE	PBS
1256	VL-KAOWATER	020E13.18	25S19.37	41.2	1	V			SP	CIV
1257	VL-KLNUKUST	020E13.15	22S18.13	59.1	12	V			SPA	CIV
1258	VL-KLNUKUST	020E13.15	22S18.23	63.7	2.5	V			SPA	CIV
1259	VL-KLNUKUST	020E13.15	22S18.23	85.5	10	V	CAKR	01-Aug-96	OPE	CIV
1260	VL-KLNUKUST	020E13.15	22S18.23	102.6	10	V	NSG	01-Aug-97	OPE	PBS
1261	VL-KLNUKUST	020E13.15	22S18.23	39.5	10	V	LIUWA	01-Jan-94	OPE	PBS
1262	VL-KLNUKUST	020E13.15	22S18.33	108.2	10	V	S4FM	01-Aug-96	OPE	PBS
1263	VL-KLNUKUST	020E13.15	22S18.33	32.6	12	V	URHO21	01-Aug-96	CIV	PBS
1264	VR-EOE	020E13.20	27S15.00	97.4	0.5	V			SPA	CIV
1265	VR-EOE	020E13.20	27S15.00	94.1	5	V			SPA	CIV
1266	VR-EOE	020E13.20	27S15.00	80.9	5	V			SPA	PBS
1267	VR-FDF	020E13.20	27S15.00	87.8	5	V			SPA	PBS
1268	VR-HF D	020E13.20	27S14.27	100.3	0.5	V			SP	CIV
1269	VR-VHF D	020E13.20	27S14.27	94.4	10	V	ECOAST	01-Sep-95	OPE	CIV
1270	VR-VHF D	020E13.20	27S14.27	48.4	10	V			SPA	PBS
1271	VR-VHF D	020E13.20	27S14.27	101.2	10	V	RSG	01-Sep-95	OPE	PBS
1272	VR-VHF D	020E13.20	27S14.27	97.7	10	V	2000	01-Sep-95	OPE	PBS
1273	VR-VHF D	020E13.20	27S14.27	104.8	10	V	S4FM	01-Sep-95	OPE	PBS
1274	VR-VHF D	020E13.20	27S14.27	91.2	10	V	URHO21	01-Sep-95	OPE	PBS
1275	WL-BURTON	020E13.06	26S17.32	97.5	1	V	RAJENKA		OPE	CIV
1276	WL-BURTON	020E13.06	26S17.32	122.7	1	V	URHO13	03-Dec-97	OP	CIV
1277	WL-BURTON	020E13.06	26S16.74	95.1	1	V			SP	CIV
1278	WL-BURTON	020E13.06	26S16.74	90.9	1	V			SP	CIV
1279	WL-BURTON	020E13.06	26S16.74	100.4	0.2	V			SP	CIV
1280	WL-BURTON	020E13.06	26S16.74	86.5	0.2	V			SP	CIV
1281	WL-VERDIEND	020E14.24	26S16.47	95.2	20	V	URHO10	01-Jun-92	OPE	CIV
1282	WL-VERDIEND	020E14.24	26S16.47	107	60	V	RSG	01-Jun-92	OPE	PBS
1283	WL-VERDIEND	020E14.24	26S16.47	107.3	20	V	S4FM	01-Jun-92	OPE	PBS
1284	WL-VERDIEND	020E14.24	26S16.47	88.9	60	V	URHO10	01-Jun-92	OPE	PBS
1285	WL-VERDIEND	020E14.24	26S16.47	92	60	V	MOTSW	01-Jun-92	OPE	PBS
1286	WL-VERDIEND	020E14.24	26S16.47	98.5	60	V	2000	01-Jun-92	OPE	PBS
1287	WL-VERDIEND	020E14.24	26S16.47	105.2	60	V	S4FM	01-Jun-92	OPE	PBS
1288	WL-VERDIEND	020E14.24	26S16.47	104.1	20	V	URHO21	01-Sep-95	OPE	PBS
1289	WL-VERDIEND	020E14.24	26S16.47	102.2	20	V	NENE	01-Dec-93	OP	PBS
1290	WL-LISTON	020E15.26	31S19.31	99.7	0.02	V			SP	CIV
1291	WL-LISTON	020E15.26	31S19.31	86.4	0.02	V			SP	PBS
1292	WL-LISTON	020E15.26	31S19.31	83.2	0.02	V			SP	PBS
1293	WL-LISTON	020E15.26	31S19.31	103.7	0.02	V	RSG	01-Sep-91	OP	PBS
1294	WL-LISTON	020E15.26	31S19.31	90.1	0.02	V			SP	PBS
1295	WL-LYNMORE	020E17.36	33S14.05	91.2	4	V			SPA	CIV
1296	WL-LYNMORE	020E17.36	33S14.05	88.1	4	V			SPA	CIV
1297	WL-LYNMORE	020E17.36	33S14.05	94.8	4	V			SPA	CIV
1298	WL-LYNMORE	020E17.36	33S14.05	97.7	4	V	RSG	01-Apr-97	OPE	PBS
1299	WL-LYNMORE	020E17.36	33S14.05	104.6	4	V	S4FM	01-Apr-97	OPE	PBS
1300	WL-MESHDEN	020E15.52	26S21.22	94.2	1	V			SPA	CIV
1301	WL-MESHDEN	020E15.52	26S21.22	100.3	0.2	V	URHO10	01-Jun-92	OPE	CIV
1302	WL-MESHOEK	020E15.52	26S21.22	94.5	0.2	V	URHO10	01-Jun-92	OPE	CIV
1303	WL-MESHOEK	020E15.52	26S21.22	97.8	0.2	V			SPA	PBS
1304	WL-MESHOEK	020E15.52	26S21.22	97.8	0.2	V			SPA	PBS
1305	WL-MESHOEK	020E15.52	26S21.22	101.3	0.2	V	RSG	01-Aug-72	OPE	PBS
1306	WL-MESHOEK	020E15.52	26S21.22	88.2	0.2	V	URHO21	01-Aug-72	OPE	PBS
1307	WL-MESHOEK	020E15.52	26S21.22	104.8	0.2	V	S4FM	01-Aug-72	OPE	PBS
1308	WL-MARANSTAD	020E03.00	27S14.05	89.1	20	V			SPA	CIV
1309	WL-MARANSTAD	020E03.00	27S14.05	86.7	20	V			SPA	CIV
1310	WL-MARANSTAD	020E03.00	27S14.05	85.4	20	V			SPA	PBS
1311	WL-MARANSTAD	020E03.00	27S14.05	82.9	20	V			SPA	PBS

## ANNEXURE A - VHF/FM FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES		FREQ (MHz)	ANTENNA		POWER/TRAFFIC RECORDS			
		LONGITUDE	LATITUDE		EIRP (W)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
1312	WMO MARAKSTAD	028E07.00	27514.00	102.7	25	V	-	-	SPA	PBS
1313	WMO MARAKSTAD	028E03.00	27514.00	105.4	25	V	-	-	SPA	PBS
1314	WOLWEDENFUNK	024E70.00	23520.20	85.4	1	V	-	-	SPA	CIV
1315	WORCESTER	019E26.00	33517.30	95.7	0.1	V	WOC	01-Sep-56	DPE	CIV
1316	WORCESTER	019E28.00	33517.30	92.4	0.1	V	-	-	SPR	CIV
1317	WORCESTER	019E32.00	33541.10	88.8	0.5	V	VALLEY	-	CIV	CIV
1318	ZEERUST	026E22.50	25551.20	93.5	11	V	RADIO NW	-	DPE	CWL
1319	ZEERUST	026E22.50	25551.20	95.4	11	V	JAKR	01-Dec-66	DPE	CWL
1320	ZEERUST	026E22.50	25551.20	102.6	11	V	KLG	01-Dec-66	DPE	PBS
1321	ZEERUST	026E22.50	25551.30	89.5	11	V	WOTSW	01-Dec-66	DPE	PBS
1322	ZEERUST	026E22.50	25551.30	98.1	11	V	2020	01-Dec-66	DPE	PBS
1323	ZEERUST	026E22.50	25551.30	108.2	11	V	SAFM	01-Dec-66	DPE	PBS
1324	ZUULAND	031E24.10	023526.24	105.5	0.1	V	-	-	SPA	CIV



## ANNEXURE B

### VHF/FM SELF-HELP FREQUENCY ASSIGNMENTS

## ANNEXURE B: VHF/FM SELF HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ (MHz)	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE		ERP(kW)	POL	PROGRAMME	ON-AIR DATE	STATUS	CAT
1	ACOFNEY'S BLACK MNTN	14E47 14	28S14 03	89.3	0.0100	V	RADIO 2000	30-Mar-94	OPE	PBS
2	ALEXANDER BAY	16E29 49	28S06 32	92.2	0.0500	V	S-FM	01-Dec-80	OPE	PBS
3	ALEXANDER BAY	16E29 49	28S06 32	95.4	0.0500	V	KFM	21-Feb-78	OPE	CAB
4	CALEDON	16E25 32	34S13 03	89.6	0.0005	V	RSG		OPE	PBS
5	CALEDON	16E25 32	34S13 03	100.4	0.0005	V	RADIO 2000		OPE	PBS
6	CALVINA	19E48 34	31S27 00	86.9	0.0250	V	RADIO 2000		OPE	PBS
7	CERES	15E27 32	33S15 13	100.2	0.4000	V	RADIO 2000	31-Mar-93	OPE	PBS
7	CERES C121	19E01 12	33S01 13	90.6	0.2000	V	SFM		OPE	PBS
9	CHR-STIANA	25E10 24	21S53 46	100.1	0.0100	V	RADIO 2000	00-Oct-93	OPE	PBS
10	CRADOCK	25E27 49	32S09 51	94.2	0.0100	V	RADIO 2000	30-Oct-90	OPE	PBS
11	CT AART C47	24E01 20	30S38 40	98.5	0.0050	V	RADIO 2000	10-Mar-93	OPE	PBS
12	CRASHEKUNG	21E30 27	31S34 58	98.6	0.0030	V	RADIO 2000	12-Jan-94	OPE	PBS
13	GRASS-PEN 2 C25	24E31 54	32S14 25	95.8	0.0200	V	RADIO 2000	01-Feb-94	OPE	PBS
14	GROOTDERM BAKEN	16E47 12	28S25 11	94.2	0.0010	V	RDP	15-Oct-90	OPE	PBS
15	GROOTDERM BAKEN	16E47 12	28S25 11	97.5	0.0010	V	RADIO 2000	15-Oct-90	OPE	PBS
16	GROOTDERM BAKEN	16E47 12	28S25 11	101.0	0.0010	V	RSG	15-Oct-90	OPE	PBS
17	GROOTDERM SENGELINGSDR	16E01 52	28S07 24	98.0	0.0002	V	RADIO 2000	11-Aug-95	OPE	PBS
18	GROOTDERM SENGELINGSDR	16E01 52	28S07 24	101.5	0.0002	V	RSG	11-Aug-95	OPE	PBS
18	GROOTDERM SENGELINGSDR	16E01 52	28S07 24	105.1	0.0002	V	SAFM	11-Aug-95	OPE	PBS
20	KAKMAS	20E37 30	28S47 06	87.6	0.0050	V	RADIO 2000		OPE	PBS
22	KENHARDT	21E09 50	29S20 50	90.3	0.0020	V	RADIO 2000		OPE	PBS
23	KENHARDT	21E09 50	29S20 50	98.4	0.0020	V	RADIO 2000		OPE	PBS
21	KLAARSTROOM	22E31 39	33S19 58	100.4	0.0100	V	RSG		OPE	PBS
24	LADYBAND	27E26 09	29S11 56	98.6	0.0251	V	RAD O 2000	10-Jan-93	OPE	PBS
25	LEBU-GAMA	21E56 06	32S48 48	100.3	0.0100	V	RSG		OPE	PBS
26	LIME ACRES D69	23E27 54	28S21 27	100.5	0.0000	V	RAD O 2000	25-Nov-92	OPE	PBS
27	UFRAWPVLIF	21E30 26	32S40 09	101.1	0.0100	V	RSG		OPE	PBS
25	VIDDIFI BURG K C46	24E59 40	31S20 49	97.5	0.0150	V	RADIO 2000	12-Jan-94	OPE	PBS
26	WEI-SPOOKY	23E02 05	32S06 36	101.5	0.0100	V	RSG		OPE	PBS
30	WELA MISSION	19E09 21	29S01 53	94.2	0.0010	V	RADIO 2000		OPE	PBS
32	PORT NOLLOTT	29E15 56	16S52 14	100.3	0.0200	V	RADIO 2000	28-May-93	OPE	PBS
31	PRINCE ALBERT	22E31 48	30S14 07	101.2	0.0100	V	RSG		OPE	PBS
33	ROOSENKAL MAPOCHS MIN	29E54 56	25S41 51	92.4	0.0050	V	RSG	28-Jun-95	OPE	PBS
34	ROOSENKAL MAPOCHS MIN	29E54 56	25S11 51	95.8	0.0050	V	SAFM	28-Jun-95	OPE	PBS
35	ROOSENKAL MAPOCHS MIN	29E54 56	25S11 51	86.9	0.0050	V	RADIO 2000	28-Jun-95	OPE	PBS
36	ROOSENKAL MAPOCHS MIN	29E54 56	25S11 51	102.4	0.0050	V	SFM	28-Jun-95	OPE	PBS
37	ROOSENKAL MAPOCHS MIN	29E54 56	25S11 51	102.8	0.0050	V	THOBE AFM	28-Jun-95	OPE	PBS
38	SOMLRSBL1 LUST	25E34 41	32S42 45	90.0	0.0040	V	RADIO 2000		OPE	PBS
39	STARBAK C4	21E25 25	34S21 56	97.1	0.0100	V	RADIO 2000	10-Jun-94	OPE	PBS
40	TSH KONDENI VENDA	30E55 41	22S31 31	98.8	0.0300	V	RADIO 2000		OPE	PBS
41	TSH KONDENI VENDA	30E55 41	22S31 31	100.4	0.0300	V	RSG		OPE	PBS
42	TSH KONDENI VENDA	30E55 41	22S31 31	107.0	0.0300	V	SAFM		OPE	PBS
43	VICTORIA WEST	20E06 36	31S23 48	97.5	0.0040	V	RADIO 2000	14-Jun-95	OPE	PBS



**ANNEXURE C**  
**MW FREQUENCY ASSIGNMENTS**

## ANNEXURE C - MW FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ (MHz)	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE		EMR#	POL.	PROGRAMME	ON-AIR DATE	STAT	CAT
1	BEDFORDMENW	28E07.59	26S09.00	1422	1	V	NPA4MELLENIC	10-Dec-97	OPE	CTY
2	BLDEMFC4TEL9	25E12.00	26S06.00	1152	5	V			SPA	CTY
3	BLOEMONTLUR	25E13.00	26S06.00	783	50	V			SPA	CML
4	BLDEMFCONTPLK	25E13.00	26S06.00	675	50	V			SPA	PBS
5	BLDEMFCONTPLK	25E13.00	26S06.00	1305	1	V			SPA	CTY
6	DALEYTON	25E24.00	26S08.00	1368	1	V			SPA	CTY
7	DURBAN	30E40.00	29S45.00	557	50	V			SPA	CML
8	DURBAN	30E40.00	29S46.00	801	50	V			SPA	PBS
9	DURBAN	30E59.00	29S50.00	1485	1	V			SPA	CTY
10	DUHRAN	30E59.00	29S50.00	1422	1	V			SPA	CTY
11	FAST LONDON	27E48.00	32S56.00	1026	2	V			SPA	CTY
12	EAST LONDON	27E48.00	32S56.00	909	2	V			SPA	CML
13	EAST LONDON	27E48.00	32S56.00	684	20	V			SPA	PBS
14	GA-RANKUWA	27E55.35	26S37.00	702	500	V			SPA	CML
15	GA-RANKUWA	27E55.35	26S37.00	1098	363	V	MWE	11-Jan-99	OPE	PBS
16	GA-RANKUWA	27E53.27	26S37.13	540	100	V	BOP	01-Jun-82	OPE	PBS
17	GRAHAMSTOWN	26E42.00	33S17.00	810	5	V			SPA	CML
18	GRAHAMSTOWN	26E42.00	33S17.00	627	5	V			SPA	PBS
19	JOHANNESBURG	27E55.00	26S07.00	1458	1	V			SPA	CTY
20	KEMPTON PARK	28E14.00	26S05.00	1360	1	V			SPA	CTY
21	KIMBERLEY	24E54.00	29S51.00	1242	2	V			SPA	CML
22	KLIPHEUWEL	18E42.30	33S42.00	567	27	V	CAPE TALK	14-Oct-97	OPE	CML
23	KLIPHEUWEL	18E42.30	33S42.00	5350	1	V			SPA	CTY
24	KLIPHEUWEL	18E42.30	33S42.00	728	27412	V			SPA	CML
25	KONGA	27E51.45	32S33.44	845	50	V	NENE	01-Dec-87	OPE	PBS
26	LENASIA	27E53.55	26S21.37	1548	93	V	RADIO ISLAM	05-Jun-97	OPE	CTY
27	MARABURG	27E55.13	26S11.47	878	1	V			SPA	CML
28	MARABURG	27E55.13	26S11.47	729	1	V			SPA	CML
29	MARKS PARK	26E00.11	26S39.37	1485	1	V	RADIO TODAY	14-Jun-96	OPE	CTY
30	MEYERTON	28E10.13	26S35.01	576	50	V	RADIO METRO	01-Jan-93	OPE	PBS
31	MEYERTON	28E10.13	26S35.01	657	50	V	RADIO PULPIT	01-Jan-90	OPE	CTY
32	MÖDELBURG	29E26.00	26S46.00	1305	1	V			SPA	CTY
33	MORANO	28E04.50	26S55.56	1269	1	V	CHINESE	11-Oct-96	OPE	CTY
34	PIETERMARITZBURG	30E19.00	26S34.00	705	25	V			SPA	PBS
35	PIETERMARITZBURG	30E19.00	26S34.00	666	5	V			SPA	CML
36	PIETERSBURG	25E29.00	23S55.00	1512	1	V			SPA	CTY
37	PIETERSBURG	25E29.00	23S55.00	990	5	V			SPA	CML
38	PIETERSBURG	25E29.00	23S55.00	684	5	V			SPA	PBS
39	PIELINSBURG	25E29.00	23S55.00	1116	10	V			SPA	PBS
40	PORT ELIZABETH	25E26.00	26S36.00	1044	10	V			SPA	CML
41	PORT ELIZABETH	25E26.00	26S36.00	1179	10	V			SPA	CML
42	PORT ELIZABETH	25E26.00	26S36.00	1314	380	V			SPA	PBS
43	PRETORIA	27E59.00	25S41.00	1332	5	V			SPA	CML
44	PRETORIA1	28E06.30	26S45.50	1584	025	V	INST ISLAM	01-Jan-96	OPE	CTY
45	PRETORIA	27E59.00	25S41.00	1440	350	V			SPA	CML
46	SUNLUCK PARK	27E54.47	26S06.13	1502	1	V			SPA	CTY
47	SUSA MF	30E24.49	23S01.41	1035	400	V			SPA	PBS
48	SONWETO	27E52.00	26S14.00	1305	1	V			SPA	CTY

## ANNEXURE C- MW FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQ (MHz)	ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE		EMRIP	POL	PROGRAMME	ON-AIR DATE	STAT	CAT
49	UMTATA	28E45.00	31S57.00	558	50	V			SPA	CML
50	UMZIKULU	29E50.00	30S19.00	603	10	V			SPA	CML
51	WEUGEOAHT	28E31.16	26S11.35	4287	5	V	LIGWALA	23-Nov-78	OPE	PBS
52	WEUGEOAHT	28E31.15	26S11.05	6404	5	V	IKWE	01-May-84	OPE	PBG
53	WELKOMA	28E44.00	27S58.00	1360	8	V			SPA	CTY



**ANNEXURE D**  
**TELEVISION FREQUENCY ASSIGNMENTS**

## ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

NO	STATION NAME	GEO CO-ORDINATES		FREQUENCY			ANTENNA	ADMINISTRATIVE RECORDS				
		LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET		ERP(WW)	POL	PROC	ONAIRDATE	STAT
1	ALEXANDER BAY	016E29.49	28S36.32	50	727.25	-20	0.1	V	SABC2	01-Jun-90	OPE	PBS
2	AGTER-WITZEPFERD	019E17.14	33S14.00	23	487.25	0	0.097	V	SABC1		LIC	PBS
3	AGTER-WITZEPFERD	019E17.14	33S14.00	27	519.25	0	0.097	V	SABC2		LIC	PBS
4	AGTER-WITZEPFERD	019E17.14	33S14.00	21	551.25	0	0.097	V	SABC3		LIC	PBS
5	ALEXANDER BAY	016E29.49	28S36.32	57	759.25	-20	0.1	V	MNET	01-Oct-91	OPE	CML
6	ALEXANDER BAY	016E29.49	28S36.32	61	781.25	-20	0.1	V	SABC1	17-Jul-98	OPE	PBS
7	ALLXANDER BAY	016E29.49	28S36.32	65	823.25	-20	0.1	V	SABC3	17-Jul-98	OPE	PBS
8	ALNWAL NORTH	026E34.00	30S47.06	53	727.25	-20	10	H	SABC1	01-Aug-91	OPE	PBS
9	ALNWAL NORTH	026E34.00	30S47.06	57	759.25	-20	100	H		28-Aug-00	OPE	CML
10	ALNWAL NORTH	026E34.00	30S47.06	61	781.25	-20	100	H	SABC2	01-Apr-80	OPE	PBS
11	AMANDA GLEN	018E40.33	33S51.18	21	471.25	0	0.02	V	SABC2	01-Apr-92	OPE	PBS
12	AMANDA GLEN	018E40.33	33S51.18	25	503.25	-20	0.02	V	SABC3	01-Apr-92	OPE	PBS
13	AMANDA GLEN	018E40.33	33S51.18	29	535.25	-20	0.02	V	MNET	01-Apr-92	OPE	CML
14	AMANDA GLEN	018E40.33	33S51.18	33	567.25	0	0.02	V	SABC1	01-Apr-92	OPE	PBS
15	AMANDA GLEN	018E40.33	33S51.18	61	781.25	-20	0.02	V	etv	24-Jul-00	OPE	CML
16	ANDRIESKRAAL	024E42.33	33S46.37	24	495.25	0	0.01	V	SABC2	01-Sep-86	OPE	PBS
17	ANDRIESKRAAL	024E42.33	33S46.37	25	527.25	0	0.01	V	SABC1	01-Sep-86	OPE	PBS
18	ANDRIESKRAAL	024E42.33	33S46.37	32	559.25	0	0.01	V	SABC3	01-Nov-95	OPE	PBS
19	AURORA	018E38.29	33S49.39	23	487.25	0	0.000	V	SABC2	01-May-82	OPE	PBS
20	AURORA	018E38.29	33S49.39	31	551.25	-20	0.002	V	SABC3	01-May-82	OPE	PBS
21	AURORA	018E38.29	33S49.39	35	583.25	-20	0.002	V	MNET	01-May-82	OPE	CML
22	AURORA	018E38.29	33S49.39	53	727.25	-20	0.002	V	SABC1	01-May-82	OPE	PBS
23	AURORA	018E38.29	33S49.39	57	759.25	-20	0.002	V	etv	25-Jun-00	OPE	CML
24	BARKLY EAST	027E26.00	30S51.90	23	487.25	-20	0.35	V	SABC2	01-May-84	OPE	PBS
25	BEAUFORT WEST	021E33.25	32S15.28	4	179.25	-20	10	H	MNET	01-Sep-92	OPE	CML
26	BEAUFORT WEST	021E33.25	32S15.29	7	199.25	0	4	H	SABC1	01-Nov-95	OPE	PBS
27	BEAUFORT WEST	022E30.25	32S15.29	10	221.25	-20	13	H	SABC2	01-Nov-79	OPE	PBS
28	BLAUFONTEIN	022E30.25	32S15.29	37	599.25	0	56	H	etv		LIC	CML
29	BEDFORD	026E02.57	32S37.57	23	487.25	-20	10	H	SABC2	01-Jul-86	OPE	PBS
30	BEDFORD	026E02.57	32S37.57	27	519.25	-20	10	H	etv		LIC	CML
31	BEDFORD	026E02.57	32S37.57	35	551.25	-20	10	H	SABC3	01-Sep-88	OPE	PBS
32	BETHLEHEM	028E29.58	28S14.10	56	740.25	-20	100	H	SABC2	01-Apr-80	OPE	PBS
33	BETHLEHEM	028E29.58	28S14.10	56	772.25	-20	100	H	etv	12-Sep-00	OPE	CML
34	BETHLEHEM	028E29.58	28S14.10	60	804.25	-20	100	H	SABC1	01-Jul-86	OPE	PBS
35	BETHLEHEM TOWN	028E19.54	28S13.17	61	751.25	-20	0.015	V	MNET	01-Jun-93	OPE	CML
36	BEZ VALLEY	028E05.04	26S11.41	24	455.25	-20	0.07	V	CSN	01-Sep-93	OPE	CML
37	BEZ VALLEY	028E05.04	26S11.41	28	527.25	-20	0.09	V	etv	29-Sep-98	OPE	CML
38	BEZ VALLEY	028E05.04	26S11.41	56	751.25	-20	0.07	V	SABC3	01-Sep-91	OPE	PBS
39	BEZ VALLEY	028E05.04	26S11.41	60	783.25	-20	0.07	V	SABC1	01-Jul-85	OPE	PBS
40	BEZ VALLEY	028E05.04	26S11.41	64	815.25	-20	0.07	V	MNET	01-Mar-87	OPE	CML
41	BEZ VALLEY	028E05.04	26S11.41	68	847.25	-20	0.07	V	SABC2	01-Jan-82	OPE	PBS
42	BLOEMFONTEIN	026E13.50	29S06.10	6	181.25	-20	10	H	MNET	01-Feb-88	OPE	CML
43	BLOEMFONTEIN	026E13.50	29S06.10	9	213.25	0	100	H	SABC2	01-Oct-75	OPE	PBS
44	BLOEMFONTEIN	026E13.50	29S06.10	13	247.10	-20	100	H	SABC1	01-Jun-82	OPE	PBS
45	BLOEMFONTEIN	026E13.50	29S06.10	40	623.25	-20	142	H	CSN	01-Sep-93	OPE	CML
46	BLOEMFONTEIN	026E13.50	29S06.10	44	655.25	-20	142	H	SABC3	01-Apr-90	OPE	PBS
47	BLOEMFONTEIN	026E13.50	29S06.10	48	687.25	-20	100	H	etv	29-Sep-98	OPE	CML
48	BLOUBERG	028E59.12	23S04.19	45	663.25	0	2	V	SABC2	01-Sep-85	OPE	PBS
49	BLOUBERG	028E59.12	23S04.19	49	695.25	0	2	V	etv		LIC	CML
50	BOPSMANSKOP	028E12.55	30S00.28	23	487.25	-20	10	H	SABC2	01-May-86	OPE	PBS

## ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

NO	STATION NAME	GEO.GEO-ORDINATES		FREQUENCY		ANTENNA		ADMINISTRATIVE RECORDS				
		LONGITUDE	LATITUDE	GH	FREQ(MHz)	OFFSET	ERP(WW)	POL	PROG	ONAIRDATE	BTAT	CAT
51	ROFSMANSKOP	029E12.55	30500.28	27	515.25	-20	1	H	SABC1	01-Aug-93	OPE	PBS
52	ROFSMANSKOP	027E12.56	30500.28	38	551.25	-20	10	H	ehv	25-Aug-00	OPE	CML
53	BRONKHORSTSPRJ 1	025E13.38	24546.13	28	591.25	-20	9.2	V	MNET	01-Nov-93	OPE	CML
54	BURGERSDORP	026E20.21	31500.32	39	615.25	-20	0.1	V	SABC2	01-Dec-87	OPE	PBS
55	BURGERSDORP	026E20.21	31500.32	43	647.25	-20	0.1	V	SABC1	01-Nov-95	OPE	PBS
56	BURGERSDORT	030E15.47	22513.46	5	120.25	-20	126	H	SABC1		LIC	PBS
57	BURGERSDORT	030E15.47	22530.46	11	231.25	-20	126	H	SABC3		LIC	PBS
58	BUNGELSFORT	030E15.47	22533.46	8	207.25	-20	126	H	SABC2		LIC	PBS
59	BUTTERWORTH	028E12.25	32516.35	21	471.25	0	5	H	MNET	01-Nov-02	OPE	CML
60	BUTTERWORTH	028E12.25	32516.35	25	503.25	0	10	H	TBNC	01-Jun-93	OPE	CIV
61	BUTTERWORTH	028L12.25	32516.35	29	535.25	0	10	H	SABC2	01-Nov-92	OPE	PBS
62	BUTTERWORTH	028E12.25	32516.35	31	561.25	-20	10	H	ehv	23-Aug-00	OPE	CML
63	BUTTERWORTH	028E12.25	32516.35	33	587.25	0	10	H	SABC1	01-Nov-92	OPE	PBS
64	BUTTERWORTH-1	028F12.25	32516.35	35	583.25	-20	10	H	SABC3	01-Jan-98	OPE	PBS
65	CALA	027E45.02	31533.15	38	607.25	-20	50	V	SABC1	01-Apr-03	OPE	PBS
66	CALA	027E45.02	31533.15	42	639.25	-20	50	V	SABC2	01-Apr-03	OPE	PBS
67	CALA	027F45.02	31533.15	50	703.25	-20	1	V	TBNC		LIC	CIV
68	CAV VINA	019L46.57	31528.00	22	479.25	-20	10	H	SABC2	01-May-86	OPE	PBS
69	CALVANIA	019E46.57	31523.01	30	543.25	-20	10	H	ehv		LIC	CML
70	CAPE TOWN	018E21.15	34503.15	5	183.25	0	15	V	SABC1	01-Jun-87	OPE	PBS
71	CAPE TOWN	018E23.15	34503.15	8	207.25	0	16	V	SABC2	01-Jul-75	OPE	PBS
72	CAPE TOWN	018F23.15	34503.15	11	231.25	-20	16	V	MNET	01-Aug-87	OPE	CML
73	CAPE TOWN	018C20.15	34503.15	34	705.25	0	0.25	H	USN	01-Sep-93	OPE	CML
74	CAPE TOWN	018L23.15	34503.15	58	767.25	0	6.5	H	ehv	29-Sep-98	OPE	CML
75	CAPE TOWN	018E23.15	34503.15	62	789.25	0	6.5	H	SABC3	01-Aug-92	OPE	PBS
76	CARNARVON	022E22.29	30554.14	40	623.25	0	10	H	SABC2	01-Apr-06	OPE	PBS
77	CARNARVON	022F22.29	30554.14	44	845.25	0	10	H	ehv		LIC	CML
78	CAROLINA	030E37.57	26510.37	43	639.25	-20	10	H	SABC1	01-Nov-95	OPE	PBS
79	CAROLINA	030E37.57	26510.37	45	671.25	-20	10	H	ehv	21-Jul-00	OPE	CML
80	CAROLINA	030E37.57	26510.37	56	703.25	-20	10	H	SABC2	01-Mar-86	OPE	PBS
81	CERES	019E27.32	32515.10	21	471.25	-20	11	V	SABC2	01-Oct-87	OPE	PBS
82	CERES	019E27.32	32515.10	29	535.25	-20	11	V	ehv		LIC	CML
83	CHRISTIANA	024E55.50	27550.03	54	736.25	-20	10	H	ehv	27-Jul-00	OPE	CML
84	CHRISTIANA	024E55.50	27553.03	58	767.25	-20	10	H	SABC1	01-Apr-86	OPE	PBS
85	CHRISTIANA	024E55.50	27553.03	62	799.25	-20	10	H	SABC2	01-Oct-79	OPE	PBS
86	CHRISTIANA	024E55.50	27553.03	66	831.25	-20	10	H	SABC3	01-Nov-87	OPE	PBS
87	CLIFTON	016F22.37	33556.30	43	471.25	0	0.01	H	ehv	28-Jul-00	OPE	CML
88	CLIFTON	016E22.37	33556.30	47	487.25	0	0.01	H	SABC1	01-Nov-02	OPE	PBS
89	CLIFTON	016E22.37	33556.30	55	503.25	0	0.01	H	MNET	01-Nov-92	OPE	CML
90	CLIFTON	016F22.37	33556.30	57	521.25	0	0.01	H	SABC2	01-Nov-92	OPE	PBS
91	CLIFTON	016L22.37	33556.30	58	583.25	0	0.01	H	SABC3	01-Nov-92	OPE	PBS
92	COLESBERG	025E03.28	30542.30	20	487.25	0	0.5	V	SABC2	01-Jun-86	OPE	PBS
93	CRADOCK	025F32.27	32518.01	40	623.25	-20	10	H	SABC2	01-Apr-84	OPE	PBS
94	CRADOCK	026E12.27	32518.01	44	655.25	-20	10	H	ehv		LIC	CML
95	CRADOCK	025C32.27	32518.01	48	687.25	-20	1	H	SABC1	01-Aug-93	OPE	PBS
96	CRADOCK	025F32.27	32518.01	52	719.25	-20	10	H	SABC3	25-Aug-96	OPE	PBS
97	DAVEI	029E31.26	26527.30	22	479.25	-20	50	H	SABC2	01-Dec-75	OPE	PBS
98	DAVEL	029L37.26	26527.30	26	511.25	-20	50	H	SABC1	01-Dec-93	OPE	PBS
99	DAVEL	029E17.26	26527.30	30	543.25	-20	50.1	H	SABC1	01-Feb-83	OPE	PBS
100	DAVEL	029F27.26	26527.30	34	575.25	-20	50	H	ehv	16-Aug-00	OPE	CML

## ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

NO.	STATION NAME	GEO-COORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET	EW(W)	POL	PROG	ONAIRDATE	STAT	CAT
101	DIAAR	023E58.16	30527.49	5	783.25	0	100	H	SABC2	01-Apr-80	OPE	PBS
102	DEAAR	023E58.16	30527.49	6	207.25	0	100	H			LIC	CML
103	DE AAR	023L09.16	30527.49	11	231.25	-20	10	H	SABC1	01-Nov-95	OPE	PBS
104	DESPATCH	025E25.25	33545.53	22	479.25	-20	0.2	V	SABC2	01-Sep-86	OPE	PBS
105	DESPATCH	025E25.25	33545.53	25	511.25	-20	0.2	V	SABC1	01-Sep-86	OPE	PBS
106	DESPATCH	025L25.25	33545.53	30	543.25	-20	0.2	V	SABC3	01-Dec-92	OPE	PBS
107	DESPATCH	025E25.25	33545.53	34	575.25	-20	0.2	V	Htv	29-Sep-96	OPE	CML
108	DEWE1500RP	025F39.37	29534.44	54	735.25	0	0.01	V	SABC2	01-Feb-89	OPL	PBS
109	DOHNYBROOK	029E51.19	29534.56	5	791.25	20	10	H	SABC2	01-May-84	OPE	PBS
110	DOHNYBROOK	029E51.19	29534.56	9	215.25	20	10	H	SABC1	01-Mar-86	OPE	PBS
111	DOHNYBROOK	029E51.19	29534.56	56	791.25	0	240	H	Htv	24-10-00	OPE	CML
112	DOHNYBROOK	029E51.19	29534.56	60	783.25	0	240	H	SABC3	01-Sep-86	OP	PBS
113	DORNGKRUN	026E41.06	26549.05	68	847.25	-20	0.02	V	MNET	01-Sep-89	OPE	CML
114	DOUGLAS	023E31.49	29504.14	53	727.25	-20	10	H	Htv		LIC	CML
115	DOUGLAS	023E31.49	29504.14	57	759.25	20	10	H	SABC2	01-Apr-86	OPE	PBS
116	DULLSTROOM	030E11.17	25534.21	53	727.25	20	10	H	SABC2	01-May-85	OPE	PBS
117	DULLSTROOM	030E11.17	25534.21	57	759.25	20	10	H	Htv		LIC	CML
118	DULLSTROOM	030E11.17	25534.21	61	791.25	20	2	H	SABC1	01-Jul-89	OPE	PBS
119	DURBAN	030E43.00	29546.11	4	175.25	20	100	H	SABC2	01-Jul-75	OPE	PBS
120	DURBAN	030E43.00	29546.11	7	195.25	-20	100	H	SABC1	01-Jun-82	OPE	PBS
121	DURBAN	030E43.00	29546.11	10	223.25	20	100	H	MNET	01-Sep-87	OPE	CML
122	DURBAN	030E43.00	29546.11	13	247.13	0	100	H	SABC3	01-Jun-90	OP	PBS
123	DURBAN	030E43.00	29546.11	38	607.25	-20	225	H	Htv	20-Sep-95	OPE	CML
124	DURBAN	030E43.00	29546.11	42	639.25	-20	12.3	H	CSN	01-Sep-83	OPL	CML
125	DZAMBA	020F12.41	22549.05	53	727.25	-20	0.25	V	SABC2	01-Aug-90	OP	PBS
126	DZAMBA	020F18.41	22549.05	87	839.25	-20	0.25	V	SABC1	01-Aug-90	OPE	PBS
127	EAST LONDON	027E48.56	32556.20	4	175.25	-20	100	H	SABC3	01-Aug-92	OP	PBS
128	EAST LONDON	027E48.56	32556.20	6	191.25	0	10	H	MNET	01-Apr-89	OPE	CML
129	EAST LONDON	027E48.56	32556.20	8	215.25	20	100	H	SABC2	01-Oct-75	OPL	PBS
130	EAST LONDON	027E48.56	32556.20	13	247.13	20	100	H	SABC1	01-Apr-82	OPE	PBS
131	EAST LONDON	027E48.56	32556.20	54	705.25	20	225	H	Htv	29-Sep-98	OPE	CML
132	ELANDSKRUIT	028L07.10	30547.44	4	175.25	20	100	V	SABC1	08-Jul-06	LIC	PBS
133	ELANDSKRUIT	028L07.10	30547.44	6	381.25	-20	100	V	SABC2	08-Jul-06	LIC	PBS
134	ELANDSKRUIT	028L07.10	30547.44	9	215.25	-20	100	V	SABC3	08-Jul-06	LIC	PBS
135	ELI OT	029F51.57	31510.36	58	767.25	-20	0.4	V	SABC2	01-Aug-88	OPE	PBS
136	EIL STRAS	027C09.46	23542.22	21	471.25	-20	0.24	V	MNET	01-Sep-93	OPE	CML
137	EMPAENGINI	031E53.36	28544.49	40	623.25	20	0.05	V	MNET	01-Aug-92	OPE	CML
138	EMPAENGINI	031E53.36	28544.49	44	655.25	20	0.2	V	SABC2	01-May-87	OPL	PBS
139	EMPAENGINI	031E53.36	28544.49	46	687.25	20	0.2	V	SABC1	01-May-87	OPE	PBS
140	EMPAENGINI	031E53.36	28544.49	52	719.25	20	0.2	V	SABC3	01-Nov-95	OPE	PBS
141	ENGODBO	028E00.34	31539.20	40	623.25	20	10	H	SABC1	26-Nov-02	OPE	PBS
142	ENGODBO	028E00.34	31539.20	45	695.25	20	1	V	19NC		LIC	CTY
143	ENGODBO	028E00.34	31539.20	52	719.25	20	10	V	SABC2	26-Nov-02	OP	PBS
144	ENISHASHONKO	028E40.40	32508.39	26	511.25	20	50	V	SABC1	04-Nov-05	OPE	PBS
145	ENTSVATSONGO	028E40.40	32508.39	30	543.25	-20	50	V	SABC3	04-Nov-05	OPE	PBS
146	ENVELSEBRO	026F13.16	25525.07	22	479.25	-20	2	H	SABC2	01-Oct-85	OPE	PBS
147	ENZE SBERG	026E13.16	25525.07	30	543.25	-20	2	H	SABC1	01-Nov-86	OPE	PBS
148	ENZE SBERG	026E13.16	25525.07	56	749.25	-20	2	H	Htv		LIC	CML
149	ENZE SBERG	026E13.16	25525.07	67	839.25	-20	2	H	SABC3	28-Feb-03	OPE	PBS
150	FRMTD	029E55.57	26030.39	67	839.25	20	0.05	V	MNET	01-Oct-02	OPE	CML

## ANNEXURE D: TETRAVISION FREQUENCY ASSIGNMENTS 2009

NO	STATION NAME	GEO-CO-ORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET	ERP(W)	POL	PROG	CHARDATE	STAT	CAT
151	ES-OWL	031E17.37	26551.29	24	495.25	-20	100	H	SABC2	01-Nov-95	OPE	PBS
152	ES-OWF	031F17.37	26551.29	26	527.25	-20	100	H	SABC1	01-Apr-86	OPE	PBS
153	ES-OWF	031L17.37	26551.29	32	599.25	-20	100	H	ehv	20-Sep-98	OPE	CML
154	ES-HOME	031E17.37	26551.29	35	581.25	-20	100	H	SABC2	01-Jan-79	OPE	PBS
155	ESTCOLUR1	029F51.56	29500.55	39	615.25	0	0.05	V	SABC2	01-Sep-86	OPE	PBS
156	ESTCOURT	029L51.56	29500.55	43	647.25	0	0.05	V	SABC1	01-Sep-86	OPE	PBS
157	ESTCOLUR1	029E51.56	29500.55	51	711.25	0	0.05	V	SABC2	01-Nov-95	OPE	PBS
158	F CKSBURG TOWN	027F51.27	28552.96	37	599.25	0	3.05	V	SABC2	01-Jan-87	OPE	PBS
159	F SH-DEK	016F26.12	34508.59	55	742.25	-20	0.1	V	SABC2	01-Feb-94	OPE	PBS
160	FIS-HOEK	016E26.12	34508.59	57	756.25	0	0.1	V	ehv	20-Sep-96	OPE	CML
161	FIS-HOEK	016E26.12	34508.59	59	770.25	-20	0.1	V	SABC1	01-Feb-94	OPE	PBS
162	FIS-HOEK	016F26.12	34508.59	60	507.25	-20	0.1	V	SABC3	01-Feb-94	OPE	PBS
163	FIS-HOEK	016E26.12	34508.59	67	538.25	-20	0.1	V	MNET	01-Feb-94	OPE	CML
164	FRANSCHHOEK	019E04.26	33554.26	50	727.25	0	4	V	SABC2	01-Jan-78	OPE	PBS
165	FRANSCHHOEK	019E04.26	33554.26	56	743.25	0	1	V	CSN	01-Sep-93	OPE	CML
166	FRANSCHHOEK	019E04.26	33554.26	57	759.25	0	4	V	SABC1	01-Jun-85	OPE	PBS
167	FRANSCHHOEK	019L04.26	33554.26	59	775.25	0	4	V	ehv	20-Sep-96	OPE	CML
168	FRANSCHHOEK	019E04.26	33554.26	61	781.25	0	1	V	MNET	05-Sep-87	OPE	CML
169	FRANSCHHOEK	019E04.26	33554.26	66	823.25	0	1	V	SABC3	01-Oct-92	OPE	PBS
170	GABA	030E42.24	22647.02	44	665.25	0	4	V	SABC2	01-Jul-90	OPE	PBS
171	GABA	030C42.25	22647.02	51	711.25	0	4	V	SABC1	01-Jul-90	OPE	PBS
172	GANYFRA	024L16.00	26536.12	22	479.25	-20	30.2	H	SABC1	22-Nov-02	CML	PBS
173	GANYLSA	024E16.00	26536.12	26	511.25	-20	30	H	SABC2	09-Feb-01	OPE	PBS
174	GARIES	018E04.43	30518.52	8	207.25	-20	13	H	SABC2	01-Sep-80	OPE	PBS
175	GARIES	018E04.43	30518.52	11	231.25	-20	13	H	ehv		LIC	CML
176	GENADENDAL	019F33.08	34502.17	24	495.25	0	0.008	V	SABC1		LIC	PBS
177	GENADENDAL	019C33.08	34502.17	28	527.25	0	0.008	V	SABC2		LIC	PBS
178	GENADENDAL	019L33.08	34502.17	32	559.25	0	0.008	V	SABC2		LIC	PBS
179	GLONDRE	022E27.04	33555.38	5	183.25	-20	16	V	SABC2	01-Nov-75	OPE	PBS
180	GEORGE	022F27.04	33555.38	7	199.25	-20	16	V	MNET	01-Jun-90	OPE	CML
181	GEORGE	022F27.04	33555.38	11	231.25	-20	16	V	SABC1	01-May-88	OPE	PBS
182	GEORGE	022L27.04	33555.38	56	251.25	-20	17	H	SABC3	01-May-94	OPE	PBS
183	GEORGE	022E27.04	33555.38	60	783.25	-20	17	H	ehv	20-Sep-93	OPE	CML
184	GLENCOE	029E56.51	28509.04	20	487.25	-20	100	H	SABC3	01-Aug-82	OPE	PBS
185	GLENCOE	029E56.51	28509.04	27	519.25	-20	100	H	SABC2	01-May-78	OPE	PBS
186	GLENCOE	029E56.51	28509.04	21	551.25	-20	100	H	SABC1	01-Jan-83	OPE	PBS
187	GLENCOE	029E56.51	28509.04	35	583.25	-20	100	H	ehv	24-Apr-00	OPE	CML
188	GRAAFF REINET	024E27.04	32504.44	6	101.25	-20	13.2	V	SABC2	01-Jul-80	OPE	PBS
189	GRAAFF REINET	024E27.04	32504.44	13	247.13	-20	14	V	ehv		LIC	CML
190	GRABOUW	018L58.03	34506.05	38	615.25	-20	0.5	V	SABC2	01-Jan-87	OPE	PBS
191	GRABOUW	018E58.03	34506.05	43	647.25	-20	0.5	V	SABC1	01-Jan-87	OPE	PBS
192	GRABOUW	018E58.03	34506.05	47	679.25	-20	0.5	V	SABC3	01-Jun-92	OPE	PBS
193	GRABOUW	018E58.03	34506.05	51	711.25	-20	0.5	V	ehv	20-Sep-98	OPE	CML
194	GRAHAMSTOWN	026E42.31	33517.15	5	183.25	-20	100	H	SABC1	01-Dec-85	OPE	PBS
195	GRAHAMSTOWN	025E42.31	33517.15	8	231.25	-20	100	H	SABC2	01-Jan-79	OPE	PBS
196	GRAHAMSTOWN	026E42.31	33517.15	11	231.25	-20	12	H	MNET	01-Feb-89	OPE	CML
197	GRAHAMSTOWN	026E42.31	33517.15	39	615.25	-20	258	H	SABC3	01-Sep-88	OPE	PBS
198	GRANHAMSTOWN	026E42.31	33517.15	40	647.25	-20	225	H	ehv	29-Sep-88	OPE	CML
199	GREYTOWN	030E32.10	29500.46	52	727.25	-20	10	H	SABC2	01-Apr-86	OPE	PBS
200	GREYTOWN	030F32.10	28500.46	57	759.25	-20	10	H	ehv	10-Aug-00	OPE	CML

## ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

NO	STATION NAME	GEO CO-ORDINATES	FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
			CH	FREQ(MHz)	OFFSET	ELEVATION	POL	PROG	QUADRANT	STAT	CAT
201	GREYTOWN	030E32'0" 29500 46	61	791.25	-20	10	H	SABC1	01-Jul-93	OPE	PBS
202	GREYTOWN	030E32'0" 29500 46	66	823.25	-20	10	H	SABC3	30-Nov-97	OPE	PBS
203	GREYTOWNDORP	030E36'48" 29502 05	56	743.25	-20	0.03	V	SABC2	01-Jun-00	OPE	PBS
204	GREYTOWNDORP	030E36'48" 29502 05	58	775.25	-20	0.03	V	SABC1	01-Jun-00	OPE	PBS
205	GREYTOWNDORP	030E36'48" 29502 05	67	829.25	-20	0.03	V	SABC3	01-Jun-00	OPE	PBS
206	GROOT BRAAKMIEDE	022E13'00" 34502 31	29	487.25	-20	0.025	V	SABC2	01-Oct-86	OPE	PBS
207	GROOT BRAAKMIEDE	022E13'00" 34502 31	27	519.25	-20	0.025	V	SABC1	01-Oct-86	OPE	PBS
208	GROOT BRAAKMIEDE	022E13'00" 34502 31	36	583.25	-20	0.025	V	SABC3	01-Nov-95	OPE	PBS
209	GROOT MARCO	024E26'06" 25509 11	43	647.25	-20	0.2	V	SABC2	01-Oct-85	OPE	PBS
210	HANKEY	024E52'13" 33549 52	22	478.25	0	0.04	V	SABC2	01-Sep-86	OPE	PBS
211	HANKEY	024E52'13" 33549 52	28	511.25	0	0.04	V	SABC1	01-Sep-86	OPE	PBS
212	HANKEY	024E52'13" 33549 52	30	679.25	0	0.04	V	SABC1	01-Nov-95	OPE	PBS
213	HARRISMITH	029E12'40" 26515 52	4	175.25	-20	126	V	SABC*		LIC	PBS
214	HARRISMITH	029E12'40" 26515 52	7	589.25	0	126	V	SABC2		LIC	PBS
215	HECTORSPRUIT	031E36'20" 25525 47	29	479.25	0	0.631	V	SABC1	01-Apr-04	OPE	PBS
216	HECTORSPRUIT	031E36'20" 25526 47	25	511.25	0	0.537	V	SABC2	01-Apr-04	OPE	PBS
217	HEIDELBERG	028E20'53" 26529 19	38	607.25	-20	0.1	V	etv	29-Sep-98	OPE	CML
218	HEIDELBERG	028E20'53" 26529 19	46	671.25	-20	0.1	V	CSN	01-Sep-93	OPE	CML
219	HEIDELBERG	028E20'53" 26529 19	56	751.25	-20	0.1	V	SABC2	01-Sep-77	OPE	PBS
220	HEI DER BERG	028E20'53" 26529 19	60	783.25	-20	0.1	V	SABC3	01-Sep-51	OPE	PBS
221	HEI DER BERG	028E20'53" 26529 19	64	815.25	-20	0.1	V	SABC1	01-Oct-35	OPE	PBS
222	HEIDELBERG	028E20'53" 26529 19	68	847.25	-20	0.12	V	VMET	01-Jun-90	OPE	CML
223	HEIDERKUIN	027E51'32" 26506 05	22	479.25	-20	0.75	V	VMET	01-Mar-82	OPE	CML
224	HEIDERKUIN	027E51'32" 26506 05	26	511.25	-20	0.75	V	SABC3	01-Sep-89	OPE	PBS
225	HEIDERKUIN	027E51'32" 26506 05	30	543.25	-20	0.75	V	SABC2	01-Jul-89	OPE	PBS
226	HEIDERKUIN	027E51'32" 26506 05	34	575.25	-20	0.75	V	SABC1	01-Jul-89	OPE	PBS
227	HEIDERKUIN	027E51'32" 26506 05	45	661.25	-20	0.8	V	etv	29-Sep-98	OPE	CML
228	HEIDERKUIN	027E51'32" 26506 05	49	693.25	0	0.45	V	CSN	01-Jan-94	OPE	CML
229	HERMANUS	019E13'18" 34524 47	21	471.25	-20	0.6	V	etv	06-Jul-00	OPE	CML
230	HERMANUS	019E13'18" 34524 47	24	496.25	-20	0.6	V	SABC2	01-Jan-78	OPE	PBS
231	HERMANUS	019E13'18" 34524 47	28	527.25	-20	0.6	V	SABC1	01-Dec-82	OPE	PBS
232	HERMANUS	019E13'18" 34524 47	32	569.25	-20	0.6	V	SABC3	01-Nov-95	OPE	PBS
233	HEUNINGSVLEI	023E08'00" 26517 01	37	599.25	0	0.02	V	SABC1	25-Oct-08	OPE	PBS
234	HEUNINGSVLEI	023E08'00" 26517 01	41	601.25	0	0.02	V	SABC2	25-Oct-08	OPE	PBS
235	HEUNINGSVLEI	023E08'00" 26517 01	45	660.25	0	0.02	V	SABC3	25-Oct-08	OPE	PBS
236	HEUVELVLIET	019C36'23" 33530 54	23	487.25	0	0.1	V	SABC2	01-Dec-86	OPE	PBS
237	HEXAVINGER	015E35'23" 33530 54	27	519.25	0	0.1	V	etv		LIC	CML
238	HOEDSPRUIT	030E52'08" 24532 30	39	615.25	-20	100	H	SABC2	01-Oct-83	OPE	PBS
239	HOEDSPRUIT	030E52'08" 24532 30	43	847.25	-20	100	H	SABC2	01-Nov-93	OPE	PBS
240	HOEDSPRUIT	030E52'08" 24532 30	47	879.25	-20	99.8	H	SABC1	01-Jun-03	OPE	PBS
241	HOEDSPRUIT	030E52'08" 24532 30	51	711.25	-20	100	H	etv	28-Sep-00	OPE	CML
242	HOLY CROSS	020E38'25" 31507 56	36	581.25	-20	200	V	SABC2		LIC	PBS
243	HOLY CROSS	020E38'25" 31507 56	32	559.25	-20	200	V	SABC1		LIC	PBS
244	HOUT BAY	018E20'56" 34500 44	48	687.25	-20	4	V	etv	29-Sep-98	OPE	CML
245	HOUT BAY	018E20'56" 34500 44	52	719.25	-20	4	V	CSN	01-Sep-93	OPE	CML
246	HOUT BAY	018E20'56" 34500 44	56	751.25	0	4	V	SABC1	01-Aug-85	OPE	PBS
247	HOUT BAY	018E20'56" 34500 44	60	783.25	0	4	V	SABC2	01-Aug-87	OPE	PBS
248	HOUT BAY	018E20'56" 34500 44	64	815.25	0	4	V	VMET	01-Aug-87	OPE	CML
249	HOUT BAY	018E20'56" 34500 44	68	847.25	0	4	V	SABC3	01-Oct-52	OPE	PBS
250	HOWICK	030L13'52" 29530 12	21	471.25	0	0.008	V	SABC2	01-Sep-86	OPE	PBS

## ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

NO	STATION NAME	GEO CO-ORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET	ERP(m)	POL	PROG	ONAIRDATE	STAT	CAT
251	HOWICK	030E13.52	29530.13	25	503.25	0	0.008	V	SABC1	01-Sep-86	OPE	PBS
252	HOWICK	030E13.52	29530.13	29	536.25	0	0.008	V	SABC3	01-Nov-95	OPE	PBS
253	INDERMARK	029F06.26	23504.51	21	551.25	0	0.016	V	SABC1		LIC	PBS
254	INDERMARK	029E06.26	23504.51	33	567.25	0	0.016	V	SABC2		LIC	PBS
255	INDERMARK	029E06.26	23504.51	35	583.25	0	0.016	V	SABC3		LIC	PBS
256	JOHANNESBURG	028F06.26	26511.31	6	191.25	0	100	H	SABC1	01-May-52	OPE	PBS
257	JOHANNESBURG	028E06.26	26511.31	9	215.25	-20	100	H	SABC2	01-Jun-75	OPE	PBS
258	JOHANNESBURG	028E06.26	26511.31	13	247.12	-20	100	H	SABC2	01-Jan-82	OPE	PBS
259	JOHANNESBURG	028F06.26	26511.31	38	615.25	0	100	H	MNET	01-Aug-86	OPE	CML
260	JOHANNESBURG	028E06.26	26511.31	43	647.25	0	100	H	CSN	01-Jan-93	OPE	CML
261	JOHANNESBURG	028E06.26	26511.31	47	679.25	0	200	H	etv	29-Sep-98	OPE	CML
262	KAREEDOUW	024F25.48	34501.29	25	503.25	-20	1	H	SABC2	01-May-80	OPE	PBS
263	KAREEDOUW	024E25.48	34501.29	29	535.25	-20	1	H	etv		LIC	CML
264	KAREEDOUW	024E25.48	34501.29	33	567.25	-20	1	H	SABC1	01-Nov-95	OPE	PBS
265	KIVUBILLY	024E54.19	28551.14	4	175.25	-20	100	H	SABC2	01-Nov-75	OPE	PBS
266	KIVBERLEY	024E54.19	28551.14	7	199.25	-20	100	H	SABC1	01-Jun-82	OPE	PBS
267	KIVBERLEY	024E54.19	28551.14	10	223.25	0	10	H	MNET	01-Nov-86	OPE	CML
268	KIVBERLEY	024E54.19	28551.14	24	435.25	-20	125	H	SABC3	01-Aug-82	OPE	PBS
269	KIVBERLEY	024E54.19	28551.14	32	559.25	-20	112	H	etv	29-Sep-98	OPE	CML
270	KING WILLIAMS TOWN	027E15.36	32540.44	50	407.25	-20	18	H	etv	29-Sep-98	OPE	CML
271	KING WILLIAMS TOWN	027F15.36	32540.44	56	751.25	-40	18	H	SABC2	01-Nov-79	OPE	PBS
272	KING WILLIAMS TOWN	027L15.36	32540.44	60	783.25	-20	18.2	H	SABC1	01-Aug-87	OPE	PBS
273	KING WILLIAMS TOWN	027E15.36	32540.44	68	847.25	-20	18	H	SABC3	01-Jan-98	OPE	PBS
274	KIHWOOD	025E26.53	33523.22	22	479.25	0	0.02	V	SABC2	01-Feb-89	OPE	PBS
275	KLAARSTROOM	022E31.39	33518.58	24	496.25	0	0.008	V	SABC1	10-Apr-88	OPE	PBS
276	KLAARSTROOM	022F31.39	33518.58	28	527.25	0	0.008	V	SABC2	10-Apr-88	OPE	PBS
277	KLAARSTROOM	022L31.39	33518.58	32	559.25	0	0.008	V	SABC3	10-Apr-88	OPE	PBS
278	KLE FARMOND	KLINMOND	KLE FARMOND	55	743.25	-20	0.8	V	SABC2	10-Feb-00	OPE	PBS
279	KLE FARMOND	KLINMOND	KLE FARMOND	58	775.25	-20	0.6	V	etv		LIC	CML
280	KLERIKSDORP	026E24.29	26545.14	37	569.25	0	100	H	etv	29-Sep-98	OPE	CML
281	KLERIKSDORP	026F24.29	26545.14	37	599.25	0	15	H	SABC3	01-Mar-93	OPE	PBS
282	KLERIKSDORP	026L24.29	26545.14	41	631.25	0	100	H	SABC1	01-Feb-83	OPE	PBS
283	KLERIKSDORP	026L24.29	26545.14	45	663.25	0	100	H	SABC2	01-May-76	OPE	PBS
284	KLERIKSDORP	026L24.29	26545.14	49	695.25	0	10	H	MNET	01-Sep-89	OPE	CML
285	KNYSNA	023F02.36	34504.18	22	479.25	0	0.5	V	SABC2	01-May-76	OPE	PBS
286	KNYSNA	023E02.36	34504.18	26	511.25	0	0.5	V	SABC1	01-May-87	OPE	PBS
287	KNYSNA	023L02.36	34504.18	30	543.25	0	0.5	V	etv	29-Sep-98	OPE	CML
288	KNYSNA	023E02.36	34504.18	34	575.25	0	0.5	V	SABC3	01-Nov-95	OPE	PBS
289	KOKSTAD	024E29.24	30538.42	54	515.25	-20	0.4	V	etv	25-Jul-00	OPE	CML
290	KOKSTAD	024E29.24	30538.42	42	609.25	-20	0.4	V	SABC2	01-Dec-87	OPE	PBS
291	KROONSTAD	027E11.10	27525.16	21	471.25	-20	0.1	H	MNET	01-Sep-88	OPE	CML
292	KROONSTAD	027F11.10	27525.16	50	727.25	0	100	H	etv	01-Oct-98	OPE	CML
293	KROONSTAD	027L11.10	27525.16	57	759.25	0	100	H	SABC2	01-Oct-75	OPE	PBS
294	KROONSTAD	027E11.10	27525.16	61	791.25	0	100	H	SABC1	01-Jan-83	OPE	PBS
295	KROONSTAD	027E11.10	27525.16	65	823.25	0	100	H	SABC3	01-Dec-93	OPE	PBS
296	KURUMAN	023F18.49	27521.08	56	751.25	-20	5	H	SABC1	08-Apr-05	OPE	PBS
297	KURUMAN	023E18.49	27521.08	60	783.25	-20	5	H	SABC2	08-Apr-05	OPE	PBS
298	KURUMAN HILLS	023E33.36	27553.13	5	183.25	-20	125	H	etv	22-Sep-00	OPE	CML
299	KURUMAN HILLS	023F33.36	27553.13	8	207.25	-20	126	H	SABC2	01-Jan-79	OPE	PBS
300	KURUMAN HILLS	023E33.36	27553.13	11	231.25	-20	126	H	SABC1	01-Nov-85	OPE	PBS

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NO	STATION NAME	GEO CO-ORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET	FROM(W)	POL	PROG	QUARDATE	STAT	CAT
301	LADISI FM (CAPE)	021E25.20	33S37.54	22	479.25	0	10	H	SABC2	01-Feb-86	OPE	PBS
302	LACKSVITH (CAPE)	021E25.20	33S37.54	26	511.25	0	10	H	etv		LIC	CML
303	LADYBRAAND	027E22.42	29S10.18	56	751.25	-20	10	H	SABC2	01-Jan-84	OPE	PBS
304	LADYBRAAND	027E22.42	29S10.18	60	761.25	-20	10	H	SABC1	01-Aug-93	OPE	PBS
305	LADYBRAAND	027E22.42	29S10.18	68	847.25	-20	10	H	etv	28-Jun-00	OPE	CML
306	LADYSMITH	029E47.19	28S35.23	21	471.25	-20	0.2	V	VNET	01-Oct-92	OPE	CML
307	LADYSMITH	029E47.19	28S35.23	25	500.25	-20	1	V	SABC3	01-Nov-95	OPE	PBS
308	LADYSMITH	029E47.19	28S35.23	29	535.25	-20	1	V	SABC1	01-Aug-85	OPL	PBS
309	LADYSMITH	029E47.19	28S35.23	32	567.25	-20	1	V	SABC2	01-Jan-78	OPE	PBS
310	LADYSMITH	029E47.19	28S35.23	42	638.25	-20	1	V	etv	24-Jul-00	OPE	CML
311	LAKEX	023E09.30	26S43.54	24	495.25	0	0.006	V	SABC1	25-Oct-08	OP	PBS
312	LAKFM	023E09.30	26S43.54	30	567.25	0	0.006	V	SABC2	25-Oct-08	OP	PBS
313	LAKEX	023E09.30	26S43.54	36	591.25	0	0.006	V	SABC3	25-Oct-08	OP	PBS
314	LEEU-GAMKA	021E58.06	32S46.12	24	495.25	0	0.006	V	SABC1	10-Apr-08	OPE	PBS
315	LEEU-GAMKA	021E58.06	32S46.12	28	527.25	0	0.006	V	SABC2	10-Apr-08	OPE	PBS
316	LEEU-GAMKA	021E58.06	32S46.12	32	559.25	0	0.006	V	SABC3	10-Apr-08	OPE	PBS
317	LINMEYER	028E04.15	26S10.06	21	471.25	-20	0.002	H	CSN	01-Jan-94	OPE	CML
318	LINMEYER	028E04.15	26S15.08	23	487.25	-20	0.002	H	SABC3	01-Jan-94	OPE	PBS
319	LINMEYER	028E04.15	26S15.08	25	503.25	-20	0.002	H	etv	20-Jul-00	OPL	CML
320	LINMFVN	028E04.15	26S16.08	27	518.25	-20	0.002	H	SABC1	01-Jan-94	OPE	PBS
321	LINMEYER	028E04.15	26S18.08	37	599.25	-20	0.002	H	SABC2	01-Jan-94	OPE	PBS
322	LINMLYLH	028E04.15	26S15.08	35	583.25	-20	0.002	H	MNET	01-Jan-94	OPE	CML
323	LOOPENG	023E21.19	26S46.50	38	607.25	0	0.006	V	SABC1		OC	PBS
324	LOOPENG	023E21.19	26S46.50	42	639.25	0	0.006	V	SABC2		OC	PBS
325	LOOPENG	023E21.19	26S46.50	46	671.25	0	0.006	V	SABC3		OC	PBS
326	LOSKOP	029L12.42	26S39.41	24	495.25	0	1.413	V	SABC1	02-Apr-04	OPE	PBS
327	LOSKOP	029L12.42	26S39.41	28	527.25	0	1.412	V	SABC2	02-Apr-04	OPE	PBS
328	LOUIS TRICHARDT	029E45.26	23S00.02	5	183.25	-20	16	V	SABC3	09-Nov-97	OPE	PBS
329	LOUIS TRICHARDT	029E45.26	23S00.02	8	207.25	-20	16	V	SABC2	01-Jan-00	OPL	PBS
330	LOUIS TRICHARDT	029E45.26	23S00.02	11	231.25	0	16	V	SABC1	01-Feb-89	OPE	PBS
331	LOUIS TRICHARDT	028L45.26	23S00.02	22	479.25	0	56	V	etv	29-Sep-00	OPE	CML
332	LOWNSBURG	031L10.32	27S33.44	38	607.25	-20	14.12	V	SABC1	23-Jun-06	OPE	PBS
333	LOWNSBURG	031L10.32	27S33.44	42	639.25	-20	14.12	V	SABC2	23-Jun-06	OPE	PBS
334	LYCENBURG	030F26.04	25S06.19	22	475.25	-20	0.04	V	SABC2	01-Sep-06	OPE	PBS
335	MADIBOOD	029E15.14	28S27.28	56	740.25	0	4	H	SABC1	08-Apr-05	OPE	PBS
336	MADIBOOD	029E15.14	28S27.28	57	839.25	0	4	H	SABC2	08-Apr-05	OPE	PBS
337	MALAMBA	030E15.09	22S53.56	56	740.25	-20	0.08	V	SABC3	01-Aug-90	OPE	PBS
338	MALAMBA	030E15.09	22S53.56	60	807.25	-20	0.08	V	SABC1	01-Aug-90	OPL	PBS
339	MATATIFLE	028E49.19	30S20.45	40	623.25	0	10	H	SABC2	01-Aug-86	OPE	PBS
340	MATATIFLE	028E49.19	30S20.45	44	656.25	0	10	H	SABC3	30-Nov-97	OPE	PBS
341	MATATIFLE	028E49.19	30S23.45	48	687.25	0	10	H	SABC1	01-Nov-95	OPL	PBS
342	MATATIFLE	028E49.19	30S20.45	52	719.25	0	10	H	etv	20-Jun-00	OPE	CML
343	MATJESONILIN	020L36.20	33S15.52	39	615.25	-20	10	H	SABC2	01-Jul-86	OPE	PBS
344	MATJESPONTEIN	020E30.20	33S15.52	43	647.25	-20	10	H	etv		OC	CML
345	MAVHUNGA	030F07.18	22S46.27	21	471.25	0	0.02	V	SABC1		OC	PBS
346	MAVHUNGA	030E07.18	22S56.27	32	559.25	0	0.02	V	SABC2		OC	PBS
347	MAVHUNGA	030E07.18	22S56.27	36	591.25	0	0.02	V	SABC3		OC	PBS
348	MWJZIVI	021E54.53	25S52.26	5	183.25	0	2	V	SABC1	05-Dec-02	OPL	PBS
349	MWJZN	021E54.53	25S52.26	8	207.25	-20	2	V	SABC2	05-Dec-02	OPE	PBS
350	MWNTQ PARK	028L16.39	23S46.15	44	605.25	0	0.04	V	CSN	01-Sep-93	OPE	CML

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NO	STATION NAME	GEO/CO-ORDINATES		FREQUENCY		ANTENNA		ADMINISTRATIVE RECORDS				
		LONGITUDE	LATITUDE	CH	FREQ(MHz)	DIFSET	ERP(watt)	POL	PROG	OWNER	STAT	CAT
351	MENLO PARK	028E16.09	25546.15	48	687.25	0	0.04	V	etv	29-Sep-90	OPL	CML
352	MENLO PARK	028E16.09	25546.15	53	727.25	0	0.04	V	SABC2	01-Oct-75	OPE	PBS
353	MENLO PARK	028E16.09	25546.15	57	759.25	0	0.04	V	SABC1	01-Oct-85	OPE	PBS
354	MENLO PARK	028E16.09	25546.15	61	791.25	0	0.04	V	MNET	01-May-87	OPE	CML
355	MENLO PARK	028E16.09	25546.15	65	823.25	0	0.04	V	SABC2	C1-Sep-51	OPL	PBS
356	MERIDIANVILLE	024E30.25	32549.09	21	471.25	0	0.008	V	SABC1	10-Apr-08	OPE	PBS
357	MERIDIANVILLE	021E30.25	32549.09	25	503.25	0	0.008	V	SABC2	10-Apr-08	OPE	PBS
358	MERIDIANVILLE	024E30.25	32549.09	28	535.25	0	0.008	V	SABC3	10-Apr-08	OPE	PBS
359	MIDDLEBURG	029E23.24	25549.04	23	487.25	20	100	H	etv	29-Sep-58	OPE	CML
360	MIDDLEBURG	029E23.24	25549.04	37	594.25	20	100	H	SABC3	01-Dec-93	OPE	PBS
361	MIDDLEBURG	029E23.24	25549.04	41	631.25	20	100	H	SABC2	01-Dec-75	OPE	PBS
362	MIDDLEBURG	029E23.24	25549.04	45	663.25	20	100	H	SABC1	01-Feb-83	OPE	PBS
363	MIDDLEBURG	029E23.24	25549.04	49	695.25	20	10	H	MNET	01-Jun-91	OPE	CML
364	MONDEOR	027E59.34	26516.52	22	479.25	0	0.04	V	CSN	01-Sep-93	OPE	CML
365	MONDEOR	027E59.34	26516.52	24	495.25	20	0.1	V	SABC1	01-Sep-51	OPL	PBS
366	MONTFOR	027E59.34	26516.52	25	511.25	0	0.09	V	etv	29-Sep-98	OPE	CML
367	MONTFOR	027E59.34	26516.52	25	527.25	20	0.09	V	SABC1	01-Jan-85	OPE	PBS
368	MONTFOR	027E59.34	26516.52	32	559.25	20	0.09	V	SABC2	01-Jan-82	OPE	PBS
369	MONTFOR	027E59.34	26516.52	36	591.25	20	0.09	V	MNET	01-Mar-87	OPE	CML
370	MONTAGU	020E58.37	33547.16	22	479.25	0	0.05	V	SABC2	01-Jan-88	OPE	PBS
371	MOCO RIVER	029E52.04	29811.07	37	589.25	-20	10	H	SABC2	01-Apr-84	OPE	PBS
372	MOCO RIVER	029E52.04	29811.07	41	631.25	-20	10	H	SABC3	30-Nov-97	OPE	PBS
373	MOCO RIVER	029E52.04	29811.07	45	663.25	-20	10	H	SABC1	01-Nov-95	OPE	PBS
374	MOCO RIVER	029E52.04	29811.07	49	695.25	-20	10	H	etv	21-Jun-00	OPE	CML
375	MOTSWEDE	025E52.18	26516.55	45	663.25	-20	7	V	SABC1	08-Apr-05	OPE	PBS
376	MOTSWEDE	025E52.18	26516.55	49	695.25	-20	7	V	SABC2	08-Apr-05	OPE	PBS
377	MOUNT AYLF	029E23.41	30550.11	23	451.25	0	1	H	MNET	C1-Jun-92	OPE	CML
378	MOUNT AYLF	029E23.41	30550.11	27	519.25	0	10	H	TSNC	01-Dec-97	OPE	CITY
379	MOUNT AYLF	029E23.41	30550.11	31	551.25	0	10	H	SABC1	01-Jul-90	OPE	PBS
380	MOUNT AYLF	029E23.41	30550.11	35	583.25	0	22	H	SABC2	01-Jul-90	OPE	PBS
381	MOUNT AYLF	029E23.41	30550.11	36	615.25	0	10	H	etv	25-Aug-40	OPE	CML
382	MOUNT AYLF	029E23.41	30550.11	43	647.25	0	10	H	SABC3	30-Jun-98	OPE	PBS
383	MOUNT FLETCHER	028E30.41	30550.11	57	711.25	0	1	H	TSNC		LIC	CITY
384	MPTZEMA	030F10.06	22556.40	36	551.25	0	0.008	V	SABC1		LIC	PBS
385	MPTZEMA	030C10.05	22556.40	36	567.25	0	0.008	V	SABC2		LIC	PBS
386	MPTZELU	030E10.05	22856.40	35	583.25	0	0.008	V	SABC3		LIC	PBS
387	MULBARTON	028E03.56	26517.36	53	727.25	20	0.03	V	SABC1	01-Sep-91	OPE	PBS
388	MULBARTON	028E03.56	26517.36	56	743.25	20	0.03	V	CSN	01-Sep-93	OPL	CML
389	MULBARTON	028L03.56	26817.36	57	759.25	20	0.03	V	SABC1	01-Sep-86	OPE	PBS
390	MULBARTON	028E03.56	26817.36	59	775.25	20	0.03	V	etv	25-Jul-00	OPE	CML
391	MULBARTON	028E01.46	26517.36	61	791.25	20	0.03	V	MNET	01-Sep-86	OPE	PBS
392	MULBARTON	028F00.56	26817.36	65	823.25	20	0.03	V	SABC2	01-May-92	OPE	CML
393	MAPER	019E51.33	34531.45	6	191.25	20	1	V	SABC1	01-Nov-95	OPE	PBS
394	MAPER	019E51.33	34531.45	9	215.25	20	1	V	SABC2	01-Apr-89	OPE	PBS
395	MAPER	019E51.33	34531.45	36	607.25	-20	15	H	etv		LIC	CML
396	MILLSKIRK	020E02.05	32506.36	53	727.25	0	0.008	V	SABC1	10-Apr-08	OPE	PBS
397	MINESPORT	023E02.05	32506.36	61	791.25	0	0.008	V	SABC2	10-Apr-08	OPE	PBS
398	MINESPORT	023E02.05	32506.36	57	759.25	0	0.008	V	SABC1	10-Apr-08	OPE	PBS
399	MINESPORT	023E02.05	32506.36	24	495.25	0	151	H	SABC2	01-Jul-79	OPE	PBS
400	MILSPRING	020E40.35	25530.55	28	527.25	0	15	H	MNET	01-Jun-91	OPE	CML

## ANNEXURE C. TELEVISION FREQUENCY ASSIGNMENTS 2009

NO	STATION NAME	GEO-CO-ORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET	ERP(W)	POL	PROG	ONAIRDATE	STAT	CAT
401	NELSPRUIT	030E46 35	25S00 55	32	559.25	0	151.4	H	SABC1	01-Ju-85	OPE	PBS
402	NELSPRUIT	030E46 35	25S00 55	36	561.25	0	151	H	SABC3	01-Nov-80	OPE	PBS
403	NELSPRUIT	030E46 35	25S00 55	38	567.25	0	150	H	etv	01-Feb-99	OPE	CML
404	NEWCASTLE	029E57 12	27S43 07	45	680.25	0	1	V	etv	24-Jul-03	OPE	CML
405	NEWCASTLE	029L57 12	27S43 07	56	751.25	0	1	V	SABC2	01-May-76	OPE	PBS
406	NEWCASTLE	029E57 12	27S43 07	60	783.25	0	1	V	SABC1	01-Aug-85	OPE	PBS
407	NEWCASTLE	029E57 12	27S43 07	64	815.25	0	0.5	V	MNET	01-Jun-90	OPE	CML
408	NEWCASTLE	029L57 12	27S43 07	68	847.25	0	1	V	SABC2	01-Nov-90	OPE	PBS
409	NGANGE ZWE	028E48 31	31S37 15	23	487.25	20	0.02	H	etv	28-May-02	OPE	CML
410	NGANGE ZWE	028E48 31	31S37 15	27	519.25	20	0.02	H	SABC1	01-Sep-99	OPE	PBS
411	NGANGEFIZWAT	028E48 31	31S37 15	39	615.25	0	0.02	H	MNET	01-Jan-92	OPE	CML
412	NGANGEFIZWAT	028L48 31	31S37 15	43	647.25	0	0.02	H	SABC2	01-Jan-92	OPE	PBS
413	NGANGE ZWE	028E48 31	31S37 15	47	679.25	0	0.02	H	SABC1	01-Jan-92	OPE	PBS
414	NGANGE ZWE	028E48 31	31S37 15	51	711.25	0	0.02	H	189C	01-Jan-92	OPE	CML
415	NGOFI FN	029E07 34	31S45 57	25	527.25	20	200	V	SABC2		LIC	PBS
416	NGOELDEN	029E07 34	31S45 57	24	495.25	20	200	V	SABC1		LIC	PBS
417	NONGOMA	031E39 27	27S54 18	54	735.25	20	10	H	etv	29-Sep-98	OPE	CML
418	NONGOMA	031E39 27	27S54 18	58	767.25	20	10	H	SABC1	01-Dec-87	OPE	PBS
419	NONGOMA	031L39 27	27S54 18	62	799.25	20	10	H	SABC2	01-Nov-95	OPE	PBS
420	NONGOMA	031E39 27	27S54 18	66	831.25	20	10	H	SABC3	01-Nov-95	OPE	PBS
421	NOUPOORT	024E56 C1	3'S18 14	54	735.25	20	10	H	SABC2	01-Apr-80	OPE	PBS
422	NOUPOORT	024E56 C1	3'S18 14	58	767.25	-20	10	H	etv		LIC	CML
423	NOUTU	030E40 42	28S15 43	59	740.25	20	15.1	V	SABC1	01-Jan-03	OPE	PBS
424	NOUTU	030E40 42	28S15 43	59	775.25	20	15.1	V	SABC2	01-Jan-03	OPE	PBS
425	NYLSTROOM	028E25 59	24S47 58	55	740.25	20	1	V	SABC2	01-Jan-83	OPE	PBS
426	NYLSTROOM	028E25 59	24S47 52	59	775.25	20	1	V	SABC1	01-Oct-85	OPE	PBS
427	NYLSTROOM	028E25 59	24S47 52	63	807.25	20	1	V	SABC3	01-Nov-95	OPE	PBS
428	NYLSTROOM	028E25 59	24S47 58	67	839.25	20	1	V	etv		LIC	CML
429	OUDETSHOORN	022E16 02	33S40 10	4	175.25	0	3.2	H	SABC3	01-Nov-95	OPE	PBS
430	OUDETSHOORN	022E16 02	33S40 10	6	181.25	-20	1.6	H	SABC1	01-Dec-87	OPE	PBS
431	OUDETSHOORN	022E16 02	33S40 16	9	215.25	0	1.6	H	SABC2	01-Apr-80	OPE	PBS
432	OUDETSHOORN	022E16 02	33S40 16	13	247.10	0	3.2	H	MNET	01-May-92	OPE	CML
433	OUDETSHOORN	022E16 02	33S40 16	44	855.25	20	12	H	etv		LIC	CML
434	OVERPORT	030L59 54	29S50 02	29	479.25	0	1.3	V	SABC2	01-Jun-75	OPE	PBS
435	OVERPORT	030E58 54	29S50 02	24	495.25	-30	1.3	V	CSN	01-Sep-93	OPE	CML
436	OVERPORT	030E59 54	29S50 02	26	511.25	0	1.3	V	SABC1	01-Jun-85	OPE	PBS
437	OVERPORT	030F59 54	29S50 02	28	527.25	20	1.3	V	etv	29-Sep-98	OPE	CML
438	OVERPORT	030F59 54	29S50 02	30	543.25	0	1.3	V	MNET	01-Apr-87	OPE	CML
439	OVERPORT	030E59 54	29S50 02	34	575.25	0	1.3	V	SABC3	01-Jun-90	OPE	PBS
440	PAARL	018E56 24	30S42 53	37	505.25	0	2	V	SABC2	01-Dec-75	OPE	PBS
441	PAARL	018E56 24	30S42 53	41	631.25	0	2	V	etv	29-Sep-98	OPE	CML
442	PAARL	018E56 24	30S42 53	45	660.25	0	2	V	MNET	01-Sep-87	OPE	CML
443	PAARL	018E56 24	30S42 53	47	679.25	20	2	V	CSN	01-Sep-93	OPE	CML
444	PAARL	018E56 24	30S42 53	49	695.25	0	2	V	SABC3	01-Apr-90	OPE	PBS
445	PATENS'E	024E49 43	33S45 37	56	751.25	0	0.01	V	SABC2	01-Nov-86	OPE	PBS
446	PATENS'E	024E49 43	33S45 37	60	783.25	0	0.01	V	SABC1	01-Nov-86	OPE	PBS
447	PATENS'E	024E49 43	33S45 37	68	847.25	0	0.01	V	SABC2	01-Nov-86	OPE	PBS
448	PATENS'E	024L49 43	33S45 37	68	847.25	0	0.01	V	SABC1	01-Nov-86	OPE	PBS
449	PAUL SAUER DAM	024E33 43	33S45 13	23	487.25	0	0.02	V	SABC2	01-Oct-86	OPE	PBS
450	PAUL SAUER DAM	024E33 43	33S45 13	27	518.25	0	0.02	V	SABC1	01-Oct-86	OPE	PBS

## ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

NO	STATION NAME	GEO CO-ORDINATES		FREQUENCY			ANTENNA	ADMINISTRATIVE RECORDS				
		LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET		ERP(W)	POL	PROG	ONAIRDATE	STAT
451	PAUL SAUER DAM	024E03.40	30S46'13" 37'	551	25	0	0.02	V	SABC3	01-Nov-05	OPE	PBS
452	PETERUS STEYN	028E19.06	27S31'30" 24'	450	25	-20	10	H	SABC2	01-Dec-83	OPE	PBS
453	PETERUS STEYN	028E19.06	27S31'30" 28'	527	25	-20	10	H	TV	12-Sep-00	OPE	CML
454	PETHUS STEYN	028E19.06	27S31'30" 32'	559	25	-20	10	H	SABC1	01-Nov-05	OPE	PBS
455	PIAJARORWA	031E05.24	23S27'32" 22'	479	25	20	0.2383	V	MNET	01-Jun-93	OPL	CML
456	PHILIPPOlis	025E17.21	30S16'04" 26'	511	25	0	0.005	V	SABC1		LIC	PBS
457	PHILIPPOlis	025E17.21	30S16'04" 21'	471	25	0	0.008	V	SABC2		LIC	PBS
458	PHILIPPOlis	025E17.21	30S16'04" 39'	543	25	0	0.008	V	SABC3		LIC	PBS
459	PIET PLESSIS	024E49.55	25S14'56" 38'	607	25	20	10	H	SABC1	01-Nov-95	OPL	PBS
460	PIET PLESSIS	024E49.55	26S14'56" 50'	703	25	20	10	H	TV	20-Sep-00	OPE	CML
461	PIET PLESSIS	024E49.55	26S14'56" 50'	703	25	20	10	H	SABC2	01-Apr-96	OPE	PBS
462	PIET RETIEF	030E14'03	27S01'11" 5	183	25	20	10	H	SABC1	01-Dec-92	OPE	PBS
463	PIET RETIEF	030E14'03	27S01'11" 8	237	25	-20	10	H	TV	17-Aug-00	OPE	CML
464	PIET RETIEF	030E14'03	27S01'11" 11	231	25	-20	10	H	SABC2	01-Nov-83	OPE	PBS
465	PIETERMARITZBURG	030E19.49	29S34'47" 22'	479	25	0	1	V	SABC1	01-Jun-82	OPE	PBS
466	PIETERMARITZBURG	030E19.49	29S34'47" 26'	511	25	0	1	V	SABC2	01-Jun-75	OPL	PBS
467	PIETERMARITZBURG	030E19.49	29S34'47" 30'	544	25	0	1	V	MNET	01-Jun-87	OPE	CML
468	PIETERMARITZBURG	030E19.49	29S34'47" 34'	575	25	0	1	V	SABC3	01-Jun-90	OPE	PBS
469	PIETERMARITZBURG	030E19.49	29S34'47" 40'	523	25	20	1	V	CSN	01-Sep-93	OPE	CML
470	PIETERMARITZBURG	030E19.49	29S34'47" 44'	655	25	20	1	V	TV	29-Sep-85	OPE	CML
471	PIKETBORG	018E44'19	32S49'09" 6	194	25	0	10	H	SABC1	01-Dec-87	OPE	PBS
472	PIKETBORG	018E44'19	32S49'09" 9	215	25	-20	10	H	SABC2	01-Aug-79	OPE	PBS
473	PIKETBORG	018E44'19	32S49'09" 10	247	13	-20	10	H	SABC3	01-Nov-95	OPE	PBS
474	PIKETBORG	018E44'19	32S49'09" 27'	519	25	-20	120	H	TV	05-Oct-00	OPE	CML
475	PLETTENBERG BAY	028L22.30	34S03'32" 29'	407	25	0	0.125	V	SABC2	01-Jan-86	OPE	PBS
476	PLETTENBERG BAY	028L22.30	34S03'32" 27'	518	25	0	0.125	V	SABC3	01-Nov-95	OPE	PBS
477	PLETTENBERG BAY	028L22.30	34S03'32" 31'	561	25	0	0.125	V	SABC1	01-Nov-95	OPE	PBS
478	PLETTENBERG BAY	028L22.30	34S03'32" 35'	583	25	0	0.125	V	TV	29-Sep-98	OPE	CML
479	POFADDER	018F56.25	28S14'30" 4	175	25	20	2.5	V	TV		LIC	CML
480	POFADDER	018F56.25	28S14'30" 10'	223	25	-20	2.5	V	SABC2	01-Feb-88	OPL	PBS
481	POFADDELI DORN	019E23.04	29S05'24" 7	199	25	0	0.1	V	MNET	01-Aug-92	OPE	CML
482	POFMHL	023E34.44	25S49'59" 5	191	25	20	10	H	SABC2	01-Apr-86	OPE	PBS
483	POFMHL	023E34.44	25S49'59" 9	215	25	20	10	H	SABC1	01-Nov-95	OPE	PBS
484	POMFRET	020E34.44	25S49'52" 13	247	13	20	10	H	TV		LIC	CML
485	PONGOLA	031L39.00	27S31'34" 29'	479	25	0	0.14	V	SABC2	01-Dec-88	OPE	PBS
486	PONGOLA	031L39.00	27S31'34" 26'	511	25	0	0.14	V	SABC1	01-Nov-95	OPE	PBS
487	PONGOLA	031L39.00	27S31'34" 30'	543	25	0	0.14	V	SABC3	01-Nov-95	OPE	PBS
488	PONGOLA	031L39.00	27S31'34" 34'	575	25	0	0.14	V	TV	04-Jul-00	OPE	CML
489	PORT ELIZABETH	026E26.29	33S56'10" 4	175	25	20	100	H	SABC1	01-Jan-82	OPE	PBS
490	PORT ELIZABETH	026E26.29	33S56'10" 7	199	25	-20	100	H	SABC2	01-Oct-75	OPE	PBS
491	PORT ELIZABETH	026E26.29	33S56'10" 10'	223	25	20	10	H	MNET	01-Mar-87	OPE	CML
492	PORT ELIZABETH	026L26.29	33S56'10" 13'	247	13	20	100	H	SABC3	01-Dec-92	OPE	PBS
493	PORT ELIZABETH	026E26.29	33S56'10" 37'	599	25	-20	12	H	TV	01-Sep-93	OPE	CML
494	PORT ELIZABETH	026E26.29	33S56'10" 61'	631	25	20	112	H	CSN	29-Sep-98	OPE	CML
495	PORT ELIZABETH CITY	026E35.31	33S55'28" 47'	679	25	20	2	V	TV	29-Sep-98	OML	CML
496	PORT ELIZABETH CITY	026E35.31	33S55'28" 51'	711	25	20	0.4	V	CSN	01-Feb-94	OPE	CML
497	PORT ELIZABETH CITY	026E35.31	33S55'28" 53'	727	25	0	2	V	SABC2	01-Oct-75	OPE	PBS
498	PORT ELIZABETH CITY	026E35.31	33S55'28" 57'	759	25	0	2	V	SABC1	01-Jun-93	OPL	PBS
499	PORT ELIZABETH CITY	026E35.31	33S55'28" 61'	791	25	0	2	V	SABC3	01-Jun-90	OPE	PBS
500	PORT ELIZABETH CITY	026E35.31	33S55'28" 65'	823	25	0	0.5	V	MNET	01-Jan-94	OPE	CML

## ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

NO	STATION NAME	GEO.CO-ORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	CH	FREQMHz	OFFS	DPMW	POL	PROG	ONAIRDATE	STAT	CAT
501	PORT SHEPSTONE	030E17'17	30S44'07	5	150.25	0	100	V	SABC1	01-Jan-86	OPE	PBS
502	PORT SHEPSTONE	030E17'17	30S44'07	2	207.25	20	100	V	SABC2	01-Jan-76	OPE	PBS
503	PORT SHEPSTONE	030E17'17	30S44'07	1	231.25	20	10	V	UNI T	01-Jan-91	OPE	CML
504	PORT SHEPSTONE	030E17'17	30S44'07	21	471.25	20	296	H	SABC3	01-Apr-94	OPE	PBS
505	PORT SHEPSTONE	030E17'17	30S44'07	29	535.25	20	225	H	etv	29-Jun-99	OPE	CML
506	PORT ST JOHNS	029E31'39	31S36'39	53	227.25	0	-	H	SABC3	30-Nov-97	OPE	PBS
507	PORT ST JOHNS	029E31'39	31S36'39	57	759.25	0	-	H	SABC2	31-Nov-92	OPE	PBS
508	PORT ST JOHNS	029E31'39	31S36'39	61	791.25	0	-	H	SABC1	31-Nov-92	OPE	PBS
509	PORT ST JOHNS	029E31'39	31S36'39	22	479.25	0	-	H	etv	30-Aug-00	OPE	CML
510	PORT ST JOHNS	029E31'39	31S36'39	65	823.25	0	25	H	TBC	01-Jan-95	OPE	CML
511	POTCHEFSTRDGM	029F04'32	26S41'48	63	807.25	20	61	V	MNET	01-Sep-92	OPE	CML
512	POTGIETERSRUS	029E14'10	24S09'24	4	175.25	20	100	H	SABC2	01-Apr-79	OPE	PBS
513	POTGIETERSRUS	029E14'10	24S09'24	7	199.25	20	100	H	SABC1	01-Jul-82	OPE	PBS
514	POTGIETERSRUS	029E14'10	24S09'24	10	223.25	20	10	H	MNET	01-Jun-91	OPE	CML
515	POTGIETERSRUS	029E14'10	24S09'24	13	247.12	20	100	H	SABC3	01-Jan-93	OPE	PBS
516	POTGIETERSRUS	029E14'10	24S09'24	44	655.25	20	224	H	etv	29-Sep-98	OPE	CML
517	PRETORIA	027E58'03	25S41'20	5	783.25	0	100	V	SABC2	01-Jun-73	OPE	PBS
518	PRETORIA	027E59'03	25S41'20	8	207.25	20	100	V	SABC1	01-Jan-82	OPE	PBS
519	PRETORIA	027E59'03	25S41'20	11	231.25	20	100	V	SABC2	01-Jan-83	OPE	PBS
520	PRETORIA	027E59'03	25S41'20	21	471.25	20	84.6	H	MNET	01-Apr-86	OPE	CML
521	PRETORIA	027E59'03	25S41'20	25	503.25	20	25.2	H	C5N	01-Jun-90	OPE	CML
522	PRETORIA	027E59'03	25S41'20	29	535.25	20	100	H	etv	29-Sep-98	OPE	CML
523	PRETORIA NORTH	028E10'07	25S41'25	37	506.25	20	0.06	V	etv	29-Sep-98	OPE	CML
524	PRETORIA NORTH	028E10'07	25S41'25	40	523.25	20	0.05	V	SABC2	01-Oct-86	OPE	PBS
525	PRETORIA NORTH	028E10'07	25S41'25	48	571.25	20	0.05	V	SABC3	01-Sep-91	OPE	PBS
526	PRETORIA NORTH	028E10'07	25S41'25	50	701.25	0	0.125	V	MNET	01-Apr-92	OPE	CML
527	PRETORIA NORTH	028E10'07	25S41'25	52	710.25	20	0.05	V	SABC1	01-Oct-86	OPE	PBS
528	PRETORIA NORTH	028E10'07	25S41'25	54	736.25	20	0.12	V	C5N	01-Sep-93	OPE	CML
529	PRIESKA	022E36'57	20S40'52	6	191.25	0	10	V	SABC2	01-Apr-84	OPE	PBS
530	PRIESKA	022E36'57	20S40'52	9	215.25	20	10	V	etv	-	LIC	CML
531	PRINCE ALBERT	022E31'48	33S14'07	23	427.25	0	0.008	V	SABC1	-	LIC	PBS
532	PRINCE ALBERT	022E31'48	33S14'07	27	510.25	0	0.008	V	SABC2	-	LIC	PBS
533	PRINCE ALBERT	022E31'48	33S14'07	31	561.25	0	0.008	V	SABC3	10-Apr-86	OPE	PBS
534	QUDENI	020F5'59	26S38'00	21	471.25	-20	15.1	V	SABC1	14-Feb-03	OPE	PBS
535	QUDENI	020E51'59	26S38'00	25	503.25	-20	15.1	V	SABC2	14-Feb-03	OPE	PBS
536	QUEENSTOWN	026E47'05	31S43'56	4	175.25	0	100	H	SABC1	01-Aug-98	OPE	PBS
537	QUEENSTOWN	026E47'05	31S43'56	7	199.25	20	100	H	SABC2	01-Jul-86	OPE	PBS
538	QUEENSTOWN	026E47'05	31S43'56	10	223.25	0	10	H	TBC	01-Jan-94	OPE	CML
539	QUEENSTOWN	026E47'05	31S43'56	22	470.25	20	230	H	SABC3	25-Aug-98	OPE	PBS
540	QUEENSTOWN	026E47'05	31S43'56	34	575.25	20	225	H	etv	30-Aug-00	OPE	CML
541	QUEENSTOWN/DOPP	026F57'41	31S55'03	39	815.25	0	32	V	MNET	01-Oct-92	OPE	CML
542	RICHARDS BAY	030E06'24	28S47'10	43	447.25	C	0.19	V	UNI T	01-Aug-92	OPE	CML
543	RIVERSDALE	021E07'41	34S01'07	8	207.25	20	4	H	SABC1	01-Jul-90	OPE	PBS
544	RIVERSDALE	021E07'41	34S01'07	13	247.13	20	20	H	SABC2	01-Sep-80	OPE	PBS
545	RIVERSDALE	021E07'41	34S01'07	36	561.25	20	32	H	etv	-	LIC	CML
546	RUSTENBURG	027E37'06	25S36'56	56	751.25	0	10	H	SABC2	01-Dec-79	OPE	PBS
547	RUSTENBURG	027E37'06	25S36'56	60	783.25	0	10	H	SABC3	01-Nov-95	OPE	PBS
548	RUSTENBURG	027E37'06	25S36'56	64	815.25	0	10	H	SABC1	01-Mar-86	OPE	PBS
549	RUSTENBURG	027E37'06	25S36'56	68	847.25	0	10	H	etv	14-Jun-00	OPE	CML
550	RUSTENBURG CASIM	027E14'23	25S41'26	54	735.25	0	0.1	V	MNET	01-May-92	OPE	CML

## ANNEXURE D. TELEVISION FREQUENCY ASSIGNMENTS 2009

NO	STATION NAME	GEO CO-ORDINATES		FREQUENCY		ANTENNA		ADMINISTRATIVE RECORDS				
		LONGITUDE	LATITUDE	CH	JAC(MHz)	D/F SET	ERP(W)	POL	PROG	ONAIRDATE	STAT	CAT
551	SABIE	030E45.94	25507.44	56	751.25	0	0.1	V	SABC2	01-Dec-87	OPE	PBS
552	SABIE	030E45.94	25507.44	60	783.25	0	0.1	V	SABC1	10-Dec-07	OPE	PBS
553	SAPIE	030E45.94	25507.44	64	815.25	0	0.1	V	etv	02-Oct-30	OPE	CML
554	SASO BURG	027E46.35	25547.45	41	601.25	-20	0.05	V	MNET	01-Dec-92	OPE	CML
555	SCHWEIZER RFENKE	025E10.07	27508.10	25	503.25	0	100	H	SABC1	01-Jun-66	OPE	PBS
556	SCHWEIZER RFENKE	025E12.07	27508.10	29	535.25	0	100	H	etv	20-Sep-00	OPL	CML
557	SCHWEIZER REWEKE	025E13.07	27508.10	33	567.25	0	100	V	SABC2	01-May-80	OPE	PBS
558	SCHWEIZER RFENKE	025E13.07	27508.10	37	471.25	0	100	-	SABC1	23-Jun-08	OPE	PBS
559	SEA POINT	018E23.51	33554.33	40	623.25	-20	0.4	V	SABC2	01-Oct-76	OPE	PBS
560	SEA POINT	018E23.51	33554.33	44	655.25	-20	0.4	V	MNET	01-Sep-87	OPE	CML
561	SEA POINT	018E23.51	33554.33	48	687.25	-20	0.4	V	SABC1	01-Feb-85	OPE	PBS
562	SEA POINT	018E23.51	33554.33	52	719.25	-20	0.4	V	SABC3	01-Jun-90	OPE	PBS
563	SEA POINT	018E23.51	33554.33	56	743.25	-20	0.4	V	CSN	01-Sep-93	OPE	CML
564	SEA POINT	018E23.51	33554.33	60	775.25	-20	0.4	V	etv	20-Sep-98	OPE	CML
565	SECONDA	020E12.10	26529.40	68	847.25	-20	0.1	V	MNET	01-Jan-92	OPE	CML
566	SEKAFUA	027E30.26	28515.19	38	697.25	0	2	H	SABC1	01-Jul-93	OPE	PBS
567	SENOKAL	027E30.26	28515.19	42	639.25	0	10	H	SABC2	01-Apr-86	OPE	PBS
568	SENOKAL	027E30.26	28515.19	46	671.25	0	10	H	etv	20-Jul-00	OPE	CML
569	SEVERN	022E51.25	26535.21	35	615.25	0	0.04	V	SABC1		LIC	PBS
570	SEVERN	022E51.25	26535.21	43	647.25	0	0.04	V	SABC2		LIC	PBS
571	SEVERN	022E51.25	26535.21	47	679.25	0	0.04	V	SABC3		LIC	PBS
572	SIBASA	030E26.54	22556.57	38	607.25	-20	0.16	V	MNET	01-Apr-82	OPE	CML
573	SIBASA	030E26.54	22556.57	42	639.25	-20	0.8	V	SABC2	01-Jul-90	OPE	PBS
574	SIBASA	030E26.54	22556.57	46	671.25	-20	0.8	V	SABC1	01-Jul-90	OPE	PBS
575	SIBASA	030E26.54	22556.57	50	703.25	-20	0.5	V	SABC3	01-Jul-90	OPE	PBS
576	SIMONSTOWN	018E25.37	34511.54	40	623.25	0	0.9	V	SABC1	01-Nov-55	OPL	PBS
577	SIMONSTOWN	018E25.37	34511.54	44	655.25	0	0.9	V	SABC2	01-Jul-73	OPE	PBS
578	SIMONSTOWN	018E25.37	34511.54	48	687.25	0	0.2	V	MNET	01-Aug-87	OPE	CML
579	SIMONSTOWN	018E25.37	34511.54	52	719.25	0	0.2	V	SABC1	01-Jul-85	OPE	PBS
580	SIVONSTOWN	018E25.37	34511.54	56	751.25	-20	0.25	V	etv	20-Sep-98	OPE	CML
581	SOMERSDAL EAST	025E34.41	32542.45	53	727.25	0	0.45	V	SABC2	01-Dec-87	OPL	PBS
582	SOMILHSLT EAST	025E34.41	32542.45	57	759.25	0	0.35	V	SABC1	30-Nov-97	OPE	PBS
583	SPRINGBOK	017E48.29	29535.04	5	191.25	-20	10	V	SABC2	01-Oct-86	OPE	PBS
584	SPRINGBOK	017E48.29	29535.04	9	215.25	-20	10	V	SABC1	01-Nov-95	OPE	PBS
585	SPRINGBOK	017E48.29	29535.04	13	247.13	-20	10	V	etv		LIC	CML
586	SPRINGON CEDAR	025E45.08	30516.14	37	599.25	-20	10	H	SABC2	01-Apr-86	OPE	PBS
587	SPRINGON CEDAR	025E45.08	30516.14	45	663.25	-20	10	H	etv		LIC	CML
588	STANDERTON	029E12.51	26557.37	56	703.25	-20	0.1	V	etv	16-Aug-00	OPE	CML
589	STANDERTON	029E12.51	26557.37	56	735.25	0	0.1	V	SABC2	01-Nov-86	OPE	PBS
590	STANDERTON	029E12.51	26557.37	60	763.25	0	0.1	V	SABC1	01-Nov-86	OPE	PBS
591	STANDERTON	029E12.51	26557.37	64	815.25	0	0.1	V	MNET	01-Jan-93	OPE	CML
592	STANDERTON	029E12.51	26557.37	68	847.25	0	0.1	V	SABC3	01-Nov-96	OPE	PBS
593	STELLINBOSCH	018E52.11	33554.56	48	697.25	-20	0.1	V	etv	20-Sep-98	OPE	CML
594	STELLENBOSCH	018E52.11	33554.56	52	719.25	-20	0.1	V	CSN	01-Sep-93	OPE	CML
595	STELLENBOSCH	018E52.11	33554.56	56	751.25	0	0.1	V	SABC2	01-Aug-75	OPE	PBS
596	STELLENBOSCH	018E52.11	33554.56	60	783.25	0	0.1	V	SABC1	01-Jun-85	OPE	PBS
597	STELLENBOSCH	018E52.11	33554.56	64	815.25	0	0.1	V	MNET	01-Sep-87	OPE	CML
598	STELLENBOSCH	018E52.11	33554.56	68	847.25	0	0.1	V	SABC3	01-Jun-90	OPE	PBS
599	STERKSPRUIT	027L16.14	30541.44	37	599.25	0	20	V	SABC1	25/06/2004	OPL	PBS
600	STERKSPRUIT	027L16.14	30541.44	41	631.25	0	20	V	SABC2	25/06/2004	OPE	PBS

## ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

NO	STATION NAME	GEO/CO-ORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	CH	RFO(MHz)	OFFSET	ERP(dBm)	POL	PROG	ONAIRDATE	STAT	CAT
601	STRAALHOLM	029E50 53	30520 49	53	727.25	-20	10	V	SABC1	20-May-03	OPE	PBS
602	STRAALHOEK	029E50 53	30520 49	57	759.25	-20	10	V	SABC2	23-May-03	OPL	PBS
603	SUIDRAND (KROONSTAD)	027L14 16	27541 10	23	487.25	-20	0.25	V	SABC1	13-Dec-75	OPE	PBS
604	SUIDRAND (KROONSTAD)	027E14 16	27541 18	27	519.25	-20	0.25	V	SABC1	01-Nov-85	OPE	PBS
605	SUIDRAND (KROONSTAD)	027E14 16	27541 18	31	551.25	-20	0.25	V	SABC2	01-Nov-90	OPE	PBS
606	SUIDRAND (KROONSTAD)	027L14 16	27541 18	57	839.25	0	0.25	V	MNET	01-Oct-87	OPE	CML
607	SUNNYS DE	028E12 24	25545 53	38	807.25	0	1	V	CSN	29-Sep-98	OPL	CML
608	SUNNYS DE	028E12 24	25545 53	46	671.25	0	1	V	CSN	01-Sep-93	OPE	CML
609	SUNNYS DE	028E12 24	25545 53	55	743.25	0	1	V	SABC2	01-Aug-90	OPE	PBS
610	SUNNYS DE	028L12 24	25545 53	59	775.25	0	1	V	SABC3	01-Aug-90	OPE	PBS
611	SUNNYS DE	028E12 24	25545 53	63	807.25	0	1	V	SABC1	01-Aug-90	OPE	PBS
612	SUNNYS DE	028E12 24	25545 53	67	839.25	0	1	V	MNET	01-Aug-90	OPE	CML
613	SUPINGSTAD	026E01 36	24547 20	56	751.25	-20	13	V	SABC1	22-Dec-04	OPE	PBS
614	SUPINGSTAD	026E01 36	24547 20	59	783.25	-20	13	V	SABC2	22-Dec-04	OPE	PBS
615	SUURBERG	025E34 20	33514 55	55	743.25	-20	40	H	etv	25-May-00	OPE	CML
616	SUURBERG	025E34 20	33514 55	59	775.25	-20	40	H	SABC2	01-Apr-79	OPE	PBS
617	SUURBERG	025E34 20	33514 55	63	807.25	-20	40	H	SABC1	01-Nov-95	OPE	PBS
618	SUURBERG	025E34 20	33514 55	67	839.25	-20	40	H	SABC3	00-Nov-97	OPE	PBS
619	SWARTJUGGENS	026E45 09	25540 59	32	559.25	-20	0.5	V	SABC2	01-Oct-85	OPE	PBS
620	SWARTJUGGENS	026E46 09	25540 59	36	591.25	-20	0.5	V	etv		LIC	CML
621	TABLE MOUNTAIN	018E24 13	33557 25	24	466.25	0	0.5	V	SABC2	01-Oct-75	OPE	PBS
622	TABLE MOUNTAIN	018E24 13	33557 25	28	527.25	0	0.5	V	SABC1	01-Feb-85	OPE	PBS
623	TABLE MOUNTAIN	018E24 13	33557 25	36	561.25	0	0.5	V	MNET	01-Aug-87	OPE	CML
624	TABLE MOUNTAIN	018E24 13	33557 25	56	751.25	-20	0.59	V	SABC3	01-Oct-92	OPE	PBS
625	TABLE MOUNTAIN	018E24 13	33557 25	60	783.25	-20	0.73	V	CSN	01-Sep-93	OPE	CML
626	TABLE MOUNTAIN	018E24 13	33557 25	64	815.25	-20	0.5	V	etv	29-Sep-98	OPE	CML
627	TALING	024L37 90	27531 30	43	647.25	-20	2	H	SABC1	14-Nov-02	OPE	PBS
628	TALING	024E37 90	27531 30	47	679.25	-20	2	H	SABC2	16-Feb-04	OPE	PBS
629	THABAZIMBI	027E36 51	24527 59	6	191.25	-20	151	V	SABC2	01-Apr-83	OPE	PBS
630	THABAZIMBI	027E36 51	24527 59	9	215.25	-20	151.4	V	SABC1	01-Jul-93	OPE	PBS
631	THABAZIMBI	027L36 51	24527 59	30	607.25	-20	135	H	etv	18-Aug-00	OPE	CML
632	THABAZIMBI	027L36 51	24527 59	42	639.25	-20	135	H	SABC3	30-Nov-01	OPE	PBS
633	THE BLUFF	001E00 45	29654 40	37	599.25	0	2.5	V	SABC2	01-Jul-75	OPL	PBS
634	THE BLUFF	001E00 45	29654 40	39	615.25	0	1.3	V	CSN	01-Oct-93	OPE	CML
635	THE BLUFF	001E00 45	29654 40	41	631.25	0	2.5	V	SABC1	01-Jan-82	OPE	PBS
636	THE BLUFF	001E00 45	29654 40	43	647.25	0	2.5	V	etv	29-Sep-98	OPE	CML
637	THE BLUFF	031E00 45	29654 40	45	663.25	0	2.5	V	MNET	01-Sep-87	OPE	CML
638	THE BLUFF	031E00 45	29654 40	49	695.25	0	2.5	V	SABC3	01-Jun-90	OPE	PBS
639	THE JNSSEN	026E34 50	28511 55	5	181.25	-20	126	H	SABC2	01-Nov-75	OPE	PBS
640	THE JNSSEN	026E34 50	28511 55	6	207.25	-20	126	H	SABC1	01-Apr-82	OPE	PBS
641	THE JNSSEN	026E34 50	28511 55	11	233.25	0	10	H	MNET	01-Nov-88	OPE	CML
642	THE JNSSEN	026E34 50	28511 55	22	479.25	0	34	H	SABC3	01-Feb-94	OPE	PBS
643	THE JNSSEN	026E34 50	28511 55	26	511.25	0	36	H	etv	26-May-93	OPE	CML
644	TOLWA	028E27 29	23504 59	30	615.25	0	1.6	V	SABC1	18-May-03	OPE	PBS
645	TOLWA	028E27 29	23504 59	43	647.25	0	1.6	V	SABC2	16-May-03	OPE	PBS
646	TRUIJSRMIFR	020C01 12	30520 55	24	495.25	-20	0.32	V	SABC2	01-Oct-86	OPE	PBS
647	TSHEWAVUDZI	030E31 42	22539 15	50	727.25	-20	5	V	SABC2	01-Dec-90	OPE	PBS
648	TSHEWAVUDZI	030E31 42	22539 15	57	759.25	-20	5	V	SABC1	01-Dec-90	OPE	PBS
649	TYGERBERG	01RF35 46	35552 29	22	479.25	-20	2	V	SABC2	01-Apr-91	OPE	PBS
650	TYGERBERG	01RF35 46	35552 29	26	511.25	-20	2	V	SABC1	01-Apr-91	OPE	PBS

## ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

NO.	STATION NAME	GEO-CO-ORDINATES		FREQUENCY		ANTENNA		ADMINISTRATIVE RECORDS				
		LONGITUDE	LATITUDE	CH	FREQMHz	OFFSET	EstWav	POL	PROG	OMARSDATE	STAT	CAT
651	TYGERBERG	018E15.46	33552.29	30	543.25	-20	1	V	MNET	01-Aug-91	OPE	CML
652	TYGERBERG	018E15.46	31353.29	34	575.25	-20	2	V	SABC3	01-Jun-90	OPE	PBS
653	TYGERBERG	018E15.46	33552.29	42	636.25	-20	1	V	CSN	01-Apr-91	OPE	CML
654	TYGERBERG	018E15.46	33552.29	46	571.25	-20	2	V	env	24-Sep-98	OPE	CML
655	TZANEEN	030F11.38	23547.06	54	752.25	20	33	V	VNET	09-Jan-91	OPE	CML
656	TZANEEN	030F00.17	23547.06	56	751.25	20	15'	H	SABC3	01-Nov-03	OPE	PBS
657	TZANEEN	030F00.17	23547.06	60	752.25	20	1514	H	SABC1	01-Apr-91	OPE	PBS
658	TZANEEN	030F00.17	23547.06	64	815.25	20	15'	H	SABC2	01-Sep-80	OPE	PBS
659	TZANEEN	030F00.17	23547.06	68	847.25	20	150	H	env	29-Sep-98	OPE	CML
660	UBONDO	032E04.52	27533.42	37	595.25	0	100	H	SABC1	01-Jun-91	OPE	PBS
661	UBONDO	032E04.52	27533.42	41	631.25	0	100	H	env	01-Jul-00	OPE	CML
662	UBONDO	032E04.52	27533.42	45	563.25	0	100	H	SABC2	01-Jul-86	OPE	PBS
663	UBONDO	032E04.52	27533.42	49	606.25	0	100	H	SABC3	01-Nov-95	OPE	PBS
664	UGIC	027E55.26	31511.28	24	495.25	0	0.35	V	SABC2	01-Jun-80	OPE	PBS
665	UGIE	027E55.26	31511.28	28	527.25	0	0.35	V	SABC1	01-Aug-91	OPE	PBS
666	UGIF	027E55.26	31511.28	32	569.25	0	0.35	V	env		LIC	CML
667	ULUNDI	031E23.30	28527.00	6	151.25	20	50	V	SABC1	13-Dec-02	OPE	PBS
668	ULUNDI	031E23.38	28527.00	5	215.25	20	50	V	SABC2	13-Dec-02	OPE	PBS
669	ULUNDI	031E23.38	28527.00	11	231	20	50	V	SABC3	14-Jun-86	OPE	PBS
670	UMTATA	028E44.36	31535.48	37	569.25	0	10	H	SABC3	30-Jan-98	OPE	PBS
671	UMTATA	028E44.36	31535.48	45	663.25	0	10	H	env	28-May-02	OPE	CML
672	UMTATA	028E44.36	31535.48	55	743.25	0	10	H	MNET	01-Aug-91	OPE	CML
673	UMTATA	028E44.36	31535.48	59	775.25	0	10	H	SABC2	01-Jan-89	OPE	PBS
674	UMTATA	028E44.36	31535.48	63	807.25	0	10	H	SABC1	01-Jan-89	OPE	PBS
675	UMTATA	028E44.36	31535.48	67	839.25	0	10	H	IBNC	01-Feb-90	OPE	CTY
676	UNIONDALE	023E00.36	33543.20	24	495.25	20	25	V	SABC2	01-Apr-87	OPE	PBS
677	UNIONDALE	023E00.36	33543.20	25	527.25	20	5	V	env		LIC	CML
678	UNIONVILLE TOWN	023E07.35	33538.47	37	569.25	20	0.006	V	SABC2	01-Apr-88	OPE	PBS
679	UPINGTON	021E44.12	28552.56	7	199.25	20	112	H	env		LIC	CML
680	UPINGTON	021E44.12	28552.56	10	223.25	20	100	H	SABC2	01-Jun-79	OPE	PBS
681	UPINGTON TOWN	021L12.00	28530.25	21	471.25	-20	34	V	VNET	01-Jan-91	OPE	CML
682	UPINGTON TOWN	021L12.00	28530.25	25	503.25	-20	0.4	V	SABC1	01-Apr-93	OPE	PBS
683	VAN RHYNSDORP	018E41.24	31545.15	4	175.25	0	10	H	SABC1	01-Nov-95	OPE	PBS
684	VAN RHYNSDORP	018E41.24	31545.15	7	199.25	0	100	H	env		LIC	CML
685	VAN RHYNSDORP	018E41.24	31545.15	10	223.25	0	100	H	SABC2	01-Aug-80	OPE	PBS
686	VERULAM	031L32.18	29538.25	21	471.25	0	0.01	V	SABC2	01-Jan-87	OPE	PBS
687	VERULAM	031E02.19	29538.25	25	503.25	0	0.01	V	SABC1	01-Jan-87	OPE	PBS
688	VERULAM	031E02.19	29538.25	29	535.25	0	0.01	V	SABC3	01-Nov-95	OPE	PBS
689	VERULAM	031E02.19	29538.25	30	567.25	0	0.01	V	env	20-Jul-00	OPE	CML
690	VICTORIA WEST	023L13.50	31541.15	9	215.25	20	0.5	V	SABC2	01-Jun-88	OPE	PBS
691	VICTORIA WEST	023E12.50	31541.15	18	645.25	0	0.5	H	env		LIC	CML
692	VILLIERS	028E36.67	27502.08	64	845.25	0	0.016	V	SABC1		LIC	PBS
693	VILLIERS	028L36.57	27502.08	68	847.25	0	0.016	V	SABC1		LIC	PBS
694	VILLIERS	028E36.57	27502.08	60	783.25	0	0.016	V	SABC3		LIC	PBS
695	VILLIERSDORP	019E30.25	33556.09	4	175.25	20	16	H	MNET	01-Jun-92	OPE	CML
696	VILLIERSDORP	019E30.25	33556.09	7	199.25	-20	100	H	SABC2	01-Nov-75	OPE	PBS
697	VILLIERSDORP	019E30.25	33556.09	10	223.25	20	10	H	SABC1	01-Dec-87	OPE	PBS
698	VILLIERSDORP	019E30.25	33556.09	52	789.25	-20	112	H	env	03-Dec-98	OPE	CML
699	VILLIERSDORP	019E30.25	33556.09	61	791.25	-20	112.22	H	SABC3	01-Dec-02	OPE	PBS
700	VOLKSGRIST	024L53.15	27518.03	6	191.25	-20	10	V	SABC2	01-Aug-79	OPE	PBS

## ANNEXURE D: TELEVISION FREQUENCY ASSIGNMENTS 2009

NO.	STATION NAME	GEO.CO-ORDINATES		FREQUENCY			ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	CH	FREQ(MHz)	OFFSET	ERP(W)	POL	PROG	ONAIRDATE	BTAT	CAT
701	VOLKSRUJS1	029E53.15	27S18.33	9	215.25	0	10	V	SABC1	01-Mar-89	OPE	PBS
702	VOLKSRUJS1	029E53.16	27S18.33	12	247.13	-20	10	V	etv	29-May-98	OPF	CML
703	VOLKSRUJST	029E53.15	27S18.33	54	735.25	0	10	H	SABC1	01-Sep-90	OPI	PBS
704	WYMHED1	030E47.08	27S44.27	22	479.25	0	10	H	etv	24-Jul-00	OPE	CML
705	WYMHED1C	030E47.08	27S44.27	79	615.25	-20	10	H	SABC2	01-Dec-83	OPF	PBS
706	WYMHED1	030E47.08	27S44.27	40	647.25	20	10	H	SABC3	30-Nov-87	OPI	PBS
707	WYMHED1	030E47.08	27S44.27	47	679.25	-20	10	H	SABC1	01-Dec-92	OPE	PBS
708	WYMHED1U	030E47.08	27S44.27	58	711.25	-20	1	H	MNFT	01-May-92	OPF	CML
709	WYMHED-TOWN	030E45.23	27S46.44	54	735.25	-20	0.04	H	MNFT	16-Feb-90	OPE	CML
710	WELVEREND	027E14.58	26S27.47	4	175.25	0	100	H	SABC1	01-Jan-83	OPE	PBS
711	WELVEREND	027E14.55	26S26.47	7	199.25	20	100	H	SABC2	01-Sep-75	OPE	PBS
712	WELVEREND	027E14.55	26S26.47	10	223.25	-20	100	H	SABC3	01-Aug-90	OPF	PBS
713	WELVEREND	027E14.55	26S26.47	27	519.25	0	225	H	etv	29-Dec-90	OPE	CML
714	WILL-STON	020E55.08	31S19.51	42	629.25	20	0.5	H	SABC2	01-Jan-88	OPE	PBS
715	WILL-STON	020E55.08	31S19.51	50	703.25	20	0.5	H	etv		LIC	CML
716	WILLOWMORE	023E27.36	33S14.05	57	759.25	20	10	H	SABC2	01-Apr-87	OPE	PBS
717	WILLOWMORE	023E27.36	33S14.05	61	791.25	-20	10	H	etv		LIC	CML
718	WINDYRIDGE	027E14.05	02S45.10	24	495.25	20	100	H	TBNC	01-Jun-93	OPE	CTY
719	WITSIESHOEK	028E50.52	28S31.02	24	495.25	0	0.25	V	SABC2	01-Feb-87	OPE	PBS
720	WITSIESHOEK	028E50.52	28S31.02	28	527.25	0	0.25	V	SABC1	01-Feb-87	OPF	PBS
721	WITSIESHOEK	028E50.52	28S31.02	32	559.25	0	0.25	V	etv	12-Sep-00	OPE	CML
722	ZEEFRUST	026E09.51	25S51.37	40	623.25	0	100	H	SABC2	2*-Feb-03	OPE	PBS
723	ZEEFRUST	026E09.51	25S51.37	44	655.25	0	100	H	SABC1	01-Jul-96	OPE	PBS
724	ZEEFRUST	026E02.51	25S51.37	48	687.25	0	100	H	etv	29-Sep-98	OPE	CML
725	ZEEFRUST	026E02.51	25S51.37	52	719.25	0	100	H	SABC2	01-Aug-80	OPE	PBS



**ANNEXURE E**  
**TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS**

## ANNEXURE E: TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTER	CFO CO-ORDINATES			TRANSMITTER		ANTENNA		ADMINISTRATIVE RECORDS		
		STATION NAME	LONGITUDE	LATITUDE	CH	FREQ	CLASS	ERP	POL	PROG	STAT
1	ABERDEEN	24 E3 1	37 S28 40	21 47' 26	N	0.002	VER	SBC1	OPE	PBS	
2	ABERDEEN	24 E3 1	37 S28 40	25 50' 26	N	0.004	VER	SBC2	OPE	PBS	
3	ABERDEEN	24 E3 1	37 S28 40	29 53' 26	N	0.005	VER	SBC3	OPE	PBS	
4	ADLIJADE	25 E20 36	30 S41 52	42 53' 25	20M	0.015	VER	MNET	OPE	CML	
5	AGGENEYS BLACK MOUNTAIN	25 E57 15	29 S14 3	4 17' 26	20M	0.251	VER	MNET	OPE	CML	
6	AGGENEYS BLACK MOUNTAIN 1	25 E57 15	29 S14 3	115 59' 3	N	0.004	VER	2020	OPE	PBS	
7	AGGENEYS BLACK MOUNTAIN 2	25 E50 4	29 S14 12	39 51' 25	N	0.004	VER	ETV	OPE	CML	
8	AGGENEYS BLACK MOUNTAIN 2	25 E50 4	29 S14 12	43 54' 25	N	0.004	VER	SBC1	OPE	PBS	
9	AGGENEYS BLACK MOUNTAIN 2	25 E50 4	29 S14 12	47 57' 25	N	0.004	VER	SBC3	OPE	PBS	
10	AKAHNS	25 E1 15	34 S49 7	58 46' 25	N	0.012	VER	ETV	OPE	CML	
11	AKUHNAS	25 E1 15	34 S49 7	54 47' 25	N	0.013	VER	SBC1	OPE	PBS	
12	AKUHNAS	25 E1 15	34 S49 7	50 50' 25	N	0.013	VER	SBC2	OPE	PBS	
13	AKUHNAS	25 E1 15	34 S49 7	56 53' 25	N	0.013	VER	SBC3	OPE	PBS	
14	AL-WAL NOORD	26 E41 12	30 S45 9	57 43' 25	N	0.008	HOR	MNET	OPE	CML	
15	ALWIL NORTH GOEDEM	26 E20 15	30 S35 30	46 57' 25	N	0.003	HOP	SBC1	OPE	PBS	
16	ARACTEKOM 104	29 E48 41	25 S56 23	63 40' 25	N	0.005	VER	MNET	OPE	CML	
17	ATOK PLATINUM MINE	29 E50 45	24 S15 19	30 54' 25	N	0.024	VER	SBC1	OPE	PBS	
18	ATOK PLATINUM MINE	29 E50 45	24 S15 19	34 57' 25	N	0.024	VER	SBC2	OPE	PBS	
19	ATOK PLATINUM MINE	29 E50 45	24 S15 19	38 51' 25	N	0.024	VER	MNET	OPE	CML	
20	ASHAM	20 E47 36	27 S30 2	34 57' 25	N	0.08	VER	ETV	OPE	CML	
21	ASHAM	20 E47 36	27 S30 2	32 47' 25	N	0.05	VER	SBC1	OPE	PBS	
22	ASHAM	20 E47 36	27 S30 2	29 50' 25	N	0.05	VER	SBC2	OPE	PBS	
23	ASHAM	20 E47 36	27 S30 2	26 53' 25	N	0.05	VER	SBC3	OPE	PBS	
24	ASHAM BLOURAANS	20 E22 27	25 S37 29	22 49' 25	N	0.025	HOR	SBC2	OPE	PBS	
25	ATOK PLATINUM MINE	29 E50 45	24 S16 16	30 54' 25	N	0.024	VER	SBC1	OPE	PBS	
26	ATOK PLATINUM MINE	29 E50 45	24 S16 16	34 57' 25	N	0.024	VER	SBC2	OPE	PBS	
27	AUGARIES	20 E27 32	25 S30 22	56 57' 25	N	0.006	VER	MNET	OPE	CML	
28	BADPLAAS STERKSPRUIT	30 E42 35	25 S34 42	46 58' 25	N	0.004	VER	SBC2	OPE	PBS	
29	BARBERTON AGNES	30 E39 9	25 S49 40	43 54' 25	N	0.002	VER	SBC1	OPE	PBS	
30	BARBERTON AGNES	30 E39 9	25 S49 40	39 51' 25	N	0.002	VER	SBC2	OPE	PBS	
31	BARBERTON AGNES	30 E39 9	25 S49 40	47 57' 25	N	0.002	VER	MNET	OPE	CML	
32	BARBERTON AGNES	30 E39 9	25 S49 40	51 51' 25	N	0.002	VER	SBC3	OPE	PBS	
33	BARBERTON FAIRVIEW	31 E5 36	25 S44 17	39 54' 25	N	0.004	VER	SBC1	OPE	PBS	
34	BARBERTON FAIRVIEW	31 E5 36	25 S44 17	34 57' 25	N	0.004	VER	SBC2	OPE	PBS	
35	BARBERTON SHEBA	31 E8 33	25 S42 45	40 52' 25	N	0.002	VER	MNET	OPE	CML	
36	BARBERTON SHEBA	31 E8 33	25 S42 45	45 56' 25	N	0.003	VER	SBC1	OPE	PBS	
37	BARBERTON SHEBA	31 E8 33	25 S42 45	52 59' 25	N	0.003	VER	SBC2	OPE	PBS	
38	BARBERTON SHEBA	31 E8 33	25 S42 45	44 55' 25	N	0.003	VER	SBC3	OPE	PBS	
39	BARBERTON SHEBA LNK	31 E7 27	25 S42 5	64 57' 25	N	0.002	VER	SBC1	OPE	PBS	
40	BARBERTON SHEBA LNK	31 E7 27	25 S42 5	56 53' 25	N	0.002	VER	SBC2	OPE	PBS	
41	BARBERTON SHEBA LNK	31 E7 27	25 S42 5	60 52' 25	N	0.002	VFR	MNET	OPE	CML	
42	BARBERTON SHEBA LNK	31 E7 27	25 S42 5	62 54' 25	N	0.002	VFR	SBC1	OPE	PBS	
43	BARBERTON TONETU	31 E71 29	25 S37 26	34 57' 25	N	0.004	VER	SBC1	OPE	PBS	
44	BARKLY EAST	27 E35 49	30 S37 31	31 55' 25	N	0.004	VFR	ETV	OPE	CML	
45	BARKLY EAST	27 E35 49	30 S37 31	35 58' 25	N	0.004	VFR	SBC1	OPE	PBS	
46	BARKLY EAST	27 E35 49	30 S37 31	27 51' 25	N	0.004	VFR	SBC2	OPE	PBS	
47	BARKLY EAST ASHTON	27 E38 41	30 S46 42	44 56' 25	N	0.002	VER	SBC2	OPE	PBS	
48	BARKLY EAST GROOTELEI	27 E37 34	32 S48 50	10 22' 25	N	0.003	VFR	SBC2	OPE	PBS	
49	BARKLY FYN STONE	27 E37 45	32 S48 50	43 56' 25	N	0.005	VER	SBC3	OPE	PBS	
50	BARKLY ENNAALPOORT	27 E28 45	31 S31 42	23 48' 25	N	0.001	VER	SBC2	OPE	PBS	
51	BARRYDALE	31 E54 7	20 S44 35	58 71' 25	N	0.015	VER	ETV	OPE	CML	
52	BARRYDALE	31 E54 7	20 S44 35	50 73' 25	N	0.015	VER	SBC1	OPE	PBS	
53	BARRYDALE	31 E54 7	20 S44 35	56 75' 25	N	0.016	VFR	SBC2	OPE	PBS	
54	BARRYDALE	31 E53 6	20 S44 35	66 84' 25	N	0.005	VER	MNET	OPE	CML	

## ANNEXURE E: TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES			CH	FREQ	OFFS	E1	ERP	POL	PROG	ADMINISTRATIVE RECORDS	
		LONGITUDE	LATITUDE	ELEV								STAT1	STAT2
56	BEAUFORT WEST	27 E34 41	32 S26 49	30	665.25	N	0.004	VER	ETV	OPF	CML		
57	BEAUFORT WEST	27 E34 41	32 S26 49	41	621.25	N	0.008	VER	SBC3	OPF	PBS		
58	BEESKHOEK POSTMASBURG	23 E1 15	28 S18 27	35	613.25	N	0.005	VER	NET	OPF	CML		
59	BEDFORD CAV RONS CAN	26 E3 47	32 S26 49	42	609.25	N	0.002	VER	SBC2	OPF	PBS		
60	BEDFORD ELDON	26 E3 26	32 S24 42	45	663.25	N	0.004	VER	SBC1	OPF	PBS		
61	BEDFORD ELDON	26 E3 26	32 S24 46	41	621.25	N	0.004	VER	SBC2	OPF	PBS		
62	BERGVILLE BERMIA	29 E25 40	26 S45 13	47	675.25	N	0.004	VER	SBC2	OPF	PBS		
63	BERGVILLE JAGERS	29 E3 57	26 S26 20	50	703.25	N	0.004	VER	NET	OPF	CML		
64	BERGVILLE JAGERSRUST	29 E3 57	26 S26 44	34	575.25	N	0.006	VER	ETV	OPF	CML		
65	BERGVILLE JAGERSRUST	29 E3 52	26 S26 48	46	621.25	N	0.006	VER	SBC1	OPF	PBS		
66	BERGVILLE JAGERSRUST	29 E3 52	26 S26 44	42	609.25	N	0.006	VER	SBC2	OPF	PBS		
67	BERGVILLE JAGERSRUST	29 E3 57	26 S26 44	30	607.25	N	0.006	VER	SBC3	OPF	PBS		
68	BETHAL	29 E29 20	26 S27 42	35	743.25	N	0.005	VER	NET	OPF	CML		
69	BETHLEHEM PANORAMA	29 E19 51	26 S13 18	43	647.25	N	0.013	VER	ETV	OPF	CML		
70	BETHLEHEM PANORAMA	29 E19 51	26 S12 14	51	711.25	N	0.013	VER	SBC1	OPF	PBS		
71	BETHLEHEM PANORAMA	29 E19 51	26 S13 14	52	727.25	N	0.013	VER	SBC2	OPF	PBS		
72	BETHLEHEM PANORAMA	29 E19 51	26 S12 12	47	679.25	N	0.013	VER	SBC3	OPF	PBS		
73	BETHMIE	26 E56 15	30 S26 31	58	757.25	N	0.006	VER	NET	OPF	CML		
74	BETHMIE	26 E56 15	30 S26 31	64	613.25	N	0.007	VER	SBC1	OPF	PBS		
75	BETHMIE	26 E56 15	30 S26 31	60	783.25	N	0.007	VER	SBC2	OPF	PBS		
76	BFTKJIE	26 E56 15	30 S26 31	68	647.25	N	0.007	VER	SBC3	OPF	PBS		
77	BETTYSSAAI	18 E53 42	34 S22 26	35	583.25	20P	0.016	VER	ETV	OPF	CML		
78	BETTYSSAAI	18 E53 42	34 S22 25	51	711.25	N	0.016	VER	SBC1	OPF	PBS		
79	BETTYSSAAI	18 E53 42	34 S22 26	47	679.25	N	0.016	VER	SBC2	OPF	PBS		
80	BETTYSSAAI	18 E53 42	34 S22 26	39	515.25	N	0.016	VER	SBC3	OPF	PBS		
81	BLOEMHOF	25 E26 4	27 S38 36	29	535.25	N	0.004	VER	SBC1	OPF	PBS		
82	BLOEMHOF	16 E22 14	29 S15 43	34	515.25	N	0.02	VER	NET	OPF	CML		
83	BONNIEVALE	20 E7 13	32 S26 30	33	587.25	N	0.05	VER	NET	OPF	CML		
84	BONNIEVALE	20 E7 9	32 S26 29	37	599.25	20P	0.05	VER	EY	OPF	CML		
85	BONNIEVALE	20 E7 9	33 S26 23	29	538.25	20P	0.05	VER	SBC1	OPF	PBS		
86	BONNIEVALE	20 E7 9	32 S26 27	21	471.25	20P	0.05	VER	SBC2	OPF	PBS		
87	BONNIEVALE	20 E7 9	32 S26 22	26	503.25	20P	0.05	VER	SBC3	OPF	PBS		
88	BONNIEVALE HAPPY VALLEY	20 E4 13	32 S26 10	51	711.25	N	0.004	VER	ETV	OPF	CML		
89	BONNIEVALE HAPPY VALLEY	20 E4 13	33 S26 12	55	743.25	N	0.004	VER	SBC1	OPF	PBS		
90	BONNIEVALE HAPPY VALLEY	20 E4 13	32 S26 13	54	775.25	N	0.004	VER	SBC2	OPF	PBS		
91	BONNIEVALE HAPPY VALLEY	20 E4 13	32 S26 13	63	807.25	N	0.004	VER	SBC3	OPF	PBS		
92	BOTHAVILLE	26 E37 16	27 S27 10	43	647.25	N	0.005	VER	NET	OPF	CML		
93	BO-TRENTUESPLANE	20 E26 32	31 S63 25	21	471.25	N	0.004	VER	SBC2	OPF	PBS		
94	BO-WISAYER	20 E25 29	32 S18 54	52	719.25	N	0.003	VER	SBC2	OPF	PBS		
95	BO-WORMER PRESENTATION	20 E29 26	32 S26 15	56	831.25	N	0.003	VER	SBC2	OPF	PBS		
96	BRANDVLE	26 E29 2	30 S27 15	56	823.25	N	0.006	VER	ETV	OPF	CML		
97	BRANDVLE	26 E29 2	32 S27 15	57	759.25	N	0.006	VER	SBC1	OPF	PBS		
98	BRANDVLE	26 E29 2	30 S27 15	53	727.25	N	0.006	VER	SBC2	OPF	PBS		
99	BRANDVLE	26 E29 2	30 S27 13	61	791.25	N	0.006	VER	SBC3	OPF	PBS		
100	BRANDVLE CODE SE PUT	26 E48 17	30 S19 26	27	575.25	N	0.015	HOP	SBC2	OPF	PBS		
101	BREDASDORP	26 E3 12	34 S31 26	53	727.25	N	0.001	VER	SBC1	OPF	PBS		
102	BREDASDORP	26 E3 12	34 S31 26	52	743.25	N	0.005	VER	NET	OPF	CML		
103	BREDASDORP	26 E3 12	34 S31 26	61	791.25	N	0.005	VER	SBC3	OPF	PBS		
104	BREEKRIEVER HUGO SHWARTZ	19 E14 14	33 S24 30	56	751.25	N	0.004	VER	SBC2	OPF	PBS		
105	BREEKRIEVER WITHE GRIVER	19 E11 29	33 S26 27	61	825.25	N	0.004	VER	SBC2	OPF	PBS		
106	BREEKRIEVER WOLWEGLOOF	19 E16 3	33 S26 20	61	791.25	N	0.004	VER	NET	OPF	CML		
107	BREEKRIEVER WOLWEGLOOF	19 E16 3	33 S26 20	57	749.25	N	0.004	VER	SBC1	OPF	PBS		
108	BREEKRIEVER WOLWEGLOOF	19 E15 3	33 S26 20	53	727.25	N	0.004	VER	SBC2	OPF	PBS		
109	BRISTOWN	20 E3 7	32 S26 16	58	767.25	N	0.004	VER	ETV	OPF	CML		
110	BRISTOWN	20 E3 7	32 S26 16	54	735.25	N	0.004	VER	SBC1	OPF	PBS		

## ANNEXURE E: TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTER	GEO CO-ORDINATES			TRANSMITTER		ANTENNA		ADMINISTRATIVE RECORDS		
		LONGITUDE	LATITUDE	CH	FREQ	DFFS EF	ERP	POL	PROG	STAN	CAT
111	BUFFEL SPRUIT	17° E35' 56"	26° S41' 58"	67	539.25	N	0.004	VER	ETV	OPE	CML
112	BUFFEL SPRUIT	17° E35' 56"	26° S41' 58"	56	747.25	N	0.004	VER	SBC1	OPE	PBS
113	BUFFEL SPRUIT	17° E35' 56"	26° S41' 58"	59	715.25	N	0.04	VER	SBC2	OPE	PBS
114	BUFFEL SPRUIT	17° E35' 56"	26° S41' 58"	63	507.25	N	0.04	VER	SBC3	OPE	PBS
115	BURGERSDORP	26° E30' 20"	31° S0' 3"	47	679.25	N	0.01	VER	MNET	OPE	CML
116	BURGERSDORP	26° E30' 20"	31° S0' 3"	51	711.25	N	0.01	VER	SBC3	OPE	PBS
117	BURGERSDORP TEKEN BOERE	30° E17' 30"	24° S54' 54"	21	561.25	N	0.05	VER	SBC2	OPE	PBS
118	BURGERSDORP WILGEYDOPEN	30° E15' 15"	24° S54' 15"	21	471.25	N	0.04	VER	SBC2	OPE	PBS
119	CAALUFUTHA	27° E38' 49"	31° S36' 25"	22	479.25	H	0.04	VER	SBC1	OPE	PBS
120	CAALUFUTHA	27° E38' 49"	31° S36' 25"	26	511.25	H	0.04	VER	SBC2	OPE	PBS
121	CAALUFUTHA	27° E38' 49"	31° S36' 25"	30	543.25	H	0.04	VER	SBC3	OPE	PBS
122	CALEDON	19° E25' 32"	34° S13' 3"	23	487.25	H	0.003	VER	ETV	OPE	CML
123	CALEDON	19° E25' 32"	34° S13' 3"	25	503.25	H	0.003	VER	SBC1	OPE	PBS
124	CALEDON	19° E25' 32"	34° S13' 3"	71	471.25	H	0.003	VER	SBC2	OPE	PBS
125	CALEDON	19° E25' 32"	34° S13' 3"	29	535.25	H	0.003	VER	SBC3	OPE	PBS
126	CALEDON	19° E25' 32"	34° S13' 3"	33	567.25	H	0.003	VER	MNET	OPE	CML
127	CALEDON HELDERSTROOM	19° E21' 54"	34° S4' 29"	45	627.25	H	0.004	VER	ETV	OPE	CML
128	CALEDON HELDERSTROOM	19° E21' 54"	34° S4' 29"	63	827.25	H	0.004	VER	SBC1	OPE	PBS
129	CALEDON HELDERSTROOM	19° E21' 54"	34° S4' 29"	35	743.25	H	0.004	VER	SBC2	OPE	PBS
130	CALEDON HELDERSTROOM	19° E21' 54"	34° S4' 29"	67	809.25	H	0.004	VER	SBC3	OPE	PBS
131	CALEDON MEERLUSKLOOF	19° E25' 37"	34° S0' 43"	35	775.25	N	0.002	VER	SBC2	OPE	PBS
132	CALTZDORP	21° E40' 37"	33° S31' 50"	22	567.25	N	0.02	VER	MNET	OPE	CML
133	CALTZDORP	21° E40' 37"	33° S31' 50"	29	535.25	20P	0.018	VER	SBC1	OPE	PBS
134	CALUDORP	21° E40' 37"	33° S31' 50"	25	501.25	20P	0.018	VER	SBC2	OPE	PBS
135	CALTZDORP	21° E40' 37"	33° S31' 50"	21	477.25	20P	0.018	VER	SBC3	OPE	PBS
136	CALVINA C71	19° E45' 34"	31° S27' 0"	26	511.25	20P	0.02	VER	MNET	OPE	CML
137	CALVINA	19° E45' 34"	31° S27' 0"	30	543.25	20P	0.02	VER	SBC1	OPE	PBS
138	CALVINA	19° E45' 34"	31° S27' 0"	34	578.25	N	0.02	VER	SBC2	OPE	PBS
139	CALVINA MARLISE	19° E26' 18"	31° S13' 3"	24	496.25	N	0.02	VER	SBC2	OPE	PBS
140	CARLTONVILLE DEELDPL	22° E18' 56"	26° S20' 7"	55	743.25	N	0.05	VER	MNET	OPE	CML
141	CARLTONVILLE WESTERN DEEP	22° E24' 30"	26° S26' 34"	54	735.25	20P	0.016	VER	MNET	OPE	CML
142	CARLTONVILLE WESTERN DEEP	22° E24' 30"	26° S26' 34"	28	577.25	N	0.008	VER	ETV	OPE	CML
143	CARLTONVILLE WESTERN DEEP	22° E24' 30"	26° S26' 34"	62	799.25	20P	0.008	VER	SBC1	OPE	PBS
144	CARLTONVILLE WESTERN DEEP	22° E24' 30"	26° S26' 34"	55	831.25	N	0.006	VER	SBC2	OPE	PBS
145	CARLTONVILLE WESTERN DEEP	22° E24' 30"	26° S26' 34"	58	767.25	N	0.008	VER	SBC1	OPE	PBS
146	CARNARVON	22° E3' 42"	30° S56' 31"	27	599.25	N	0.004	VER	SBC1	OPE	PBS
147	CARNARVON	22° E3' 42"	30° S56' 31"	41	631.25	H	0.004	VER	SBC3	OPE	PBS
148	CERES	19° E21' 32"	31° S15' 13"	35	521.25	20P	0.175	VER	ETV	OPE	CML
149	CERES	19° E21' 32"	31° S15' 13"	25	503.25	20P	0.175	VER	SBC1	OPE	PBS
150	CERES C42	19° E21' 32"	31° S15' 13"	29	535.25	20P	0.175	VER	MNET	OPE	CML
151	CERES	19° E21' 32"	31° S15' 13"	33	567.25	20P	0.175	VER	SBC3	OPE	PBS
152	CERES	21° E21' 44"	27° S55' 12"	34	475.25	H	0.04	VER	ETV	OPE	CML
153	CERES	21° E21' 44"	27° S55' 12"	29	473.25	H	0.04	VER	SBC1	OPE	PBS
154	CERES	21° E21' 44"	27° S55' 12"	25	511.25	H	0.04	VER	SBC2	OPE	PBS
155	CERES	21° E21' 44"	27° S55' 12"	30	543.25	H	0.04	VER	SBC3	OPE	PBS
156	CHRISTIANA	22° E12' 24"	27° S63' 48"	31	495.25	20P	0.008	VER	MNET	OPE	CML
157	CHRISTIANA	22° E12' 24"	27° S63' 48"	41	631.25	20P	0.008	VER	SBC3	OPE	PBS
158	CITRUSDAL	19° E2' 5"	32° S34' 50"	61	807.25	20P	0.016	VER	SBC1	OPE	PBS
159	CITRUSDAL	19° E1' 5"	32° S34' 50"	55	747.25	N	0.016	VER	SBC2	OPE	PBS
160	CITRUSDAL	19° E1' 5"	32° S34' 50"	59	775.25	N	0.016	VER	SBC3	OPE	PBS
161	CITRUSDAL	19° E1' 5"	32° S34' 50"	67	839.25	N	0.016	VER	MNET	OPE	CML
162	CITRUSDAL PALMESTON	16° E31' 36"	32° S20' 48"	54	515.25	N	0.104	VER	SBC2	OPE	PBS
163	CLAWWILLIAM	16° E32' 42"	32° S10' 47"	36	591.25	N	0.008	VER	ETV	OPE	CML
164	CLAWWILLIAM	16° E32' 42"	32° S10' 47"	28	527.25	H	0.008	VER	SBC1	OPE	PBS
165	CLAWWILLIAM	16° E32' 42"	32° S10' 47"	24	496.25	H	0.008	VER	SBC2	OPE	PBS
166	CLAWWILLIAM	16° E32' 42"	32° S10' 47"	32	559.25	H	0.008	VER	SBC3	OPE	PBS

## ANNEXURE C. TELEVISION SFLS-HFLP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES		CH	FREQ	OFFS E1	ERP	POL	ADMINISTRATIVE RECORDS		
		LONGITUDE	LATITUDE						PROD	SAT	CAT
161	GUANTHOUWE LANDSFONTEIN	18° E27' 35"	32° 52' 14"	22	487.25	N	0.01	VER	SBC1	OPE	PBS
162	GUARINS	26° E24' 57"	28° 53' 17"	37	736.25	N	0.01	VER	SBC1	OPE	PBS
163	GURINS	26° E24' 57"	28° 53' 17"	61	823.25	N	0.01	VER	SBC2	OPE	PBS
171	GUDOLAN	27° E25' 0"	28° 53' 48"	43	687.25	N	0.04	VER	SBC1	OPE	PBS
172	GOLESBERG	25° E5' 17"	32° 54' 1"	31	567.25	N	0.04	VER	ETV	OPE	CML
173	GOLESBERG	25° E5' 17"	32° 54' 1"	27	519.25	N	0.04	VER	SBC3	OPE	PBS
174	GOLESBERG	26° E5' 46"	30° 54' 51"	42	639.25	N	0.06	VER	MNET	OPE	CML
175	CONCORDA	17° E36' 16"	29° 50' 34"	50	703.25	N	0.04	VER	ETV	OPE	CML
176	KONCOURA	17° E36' 16"	29° 50' 34"	38	507.25	N	0.04	VER	SBC1	OPE	PBS
177	KONCORDE	17° E36' 16"	29° 50' 34"	42	639.25	N	0.04	VER	SBC2	OPE	PBS
178	KONCORDA	17° E36' 16"	29° 50' 34"	46	871.25	N	0.04	VLP	SBC3	OPE	PBS
179	COOKHOUSE	25° E46' 5"	32° 54' 8"	63	823.25	N	0.04	VER	ETV	OPE	CML
180	COOKHOUSE	25° E46' 5"	32° 54' 8"	60	781.25	N	0.04	VER	SBC3	OPE	PBS
181	COOKHOUSE	25° E46' 5"	32° 54' 8"	57	733.25	N	0.03	VER	SBC1	OPE	PBS
182	CRADOCK	25° E37' 49"	32° 59' 51"	107	99.2	N	1.05	VER	2000	OPE	PBS
183	CRADOCK	25° E37' 49"	32° 59' 51"	106	785.25	N	1.02	VER	ETV	OPE	CML
184	CRADOCK	25° E37' 49"	32° 59' 51"	56	751.25	N	0.08	VER	MNET	OPE	CML
185	CRADOCK BERGKAMMOSA	25° E37' 48"	32° 51' 32"	32	550.25	N	0.02	VER	SBC1	OPE	PBS
186	CRADOCK BERGKAMMOSA	25° E37' 48"	32° 51' 32"	28	527.25	N	0.02	VER	SBC2	OPE	PBS
187	CRADOCK GEVANGENES	25° E36' 29"	32° 55' 38"	42	639.25	N	1E 04	VER	SBC1	OPE	PBS
188	CRADOCK GEVANGENES	25° E36' 29"	32° 55' 38"	36	621.25	N	1E 04	VER	SBC2	OPE	PBS
189	CRADOCK GEVANGENES	25° E36' 29"	32° 55' 38"	50	703.25	N	1E 04	VER	SBC3	OPE	PBS
190	CANELSKUL	22° E32' 54"	28° 51' 25"	21	421.25	N	0.04	VER	SBC2	OPE	PBS
191	CANDUSKUL	22° E32' 54"	28° 51' 25"	25	503.25	N	0.05	VER	MNET	OPE	CML
192	DE AAR 4 (C4)	24° E1' 20"	30° 53' 40"	74	456.25	N	0.04	VER	MNET	OPE	CML
193	DE AAR 4	24° E1' 20"	30° 53' 40"	35	551.25	N	0.04	VER	ETV	OPE	CML
194	DE AAR	24° E1' 20"	30° 53' 40"	28	527.25	N	0.04	VER	SBC3	OPE	PBS
195	DE RUST	22° E31' 25"	33° 52' 13"	31	551.25	N	0.04	VER	ETV	OPE	CML
196	DE RUST	22° E31' 25"	33° 52' 13"	27	573.25	N	0.04	VER	SBC1	OPE	PBS
197	DE RUST	22° E31' 25"	33° 52' 13"	35	580.25	N	0.04	VER	SBC2	OPE	PBS
198	DE RUST	22° E31' 25"	33° 52' 13"	23	487.25	N	0.04	VER	SBC3	OPE	PBS
199	DELAREYVILLE	25° E27' 34"	25° 54' 18"	35	613.25	N	0.05	VER	MNET	OPE	CML
200	DELAREYVILLE	25° E27' 34"	25° 54' 18"	43	647.25	N	0.05	VER	SBC1	OPE	PBS
201	DEWETSDORP (C1)	26° E36' 39"	29° 53' 46"	65	823.25	N	0.06	VER	MNET	OPE	CML
202	DEWETSDORP	26° E36' 37"	29° 53' 44"	62	795.25	N	0.03	VER	SBC1	OPE	PBS
203	DEWETSDORP	26° E36' 37"	29° 53' 44"	58	767.25	N	0.03	VER	SBC2	OPE	PBS
204	DIBENS	22° E33' 1"	27° 52' 17"	54	735.25	N	0.06	VER	SBC3	OPE	PBS
205	DORDRECHT	27° E2' 10"	31° 52' 7"	36	587.25	N	0.06	VER	ETV	OPE	CML
206	DORDRECHT	27° E2' 10"	31° 52' 7"	24	495.25	N	0.06	VER	SBC1	OPE	PBS
207	DORDRECHT	27° E2' 10"	31° 52' 7"	28	527.25	N	0.06	VER	SBC2	OPE	PBS
208	DORDRECHT	27° E2' 10"	31° 52' 7"	32	569.25	N	0.06	VER	SBC3	OPE	PBS
209	DORDRECHT DREFNTEEN	27° E2' 34"	31° 52' 8"	40	629.25	N	75.04	VER	SBC1	OPE	PBS
210	DORDRECHT DREFNTEEN	27° E2' 34"	31° 52' 8"	44	656.25	N	30.04	VER	SBC2	OPE	PBS
211	DUNELSKLOOF	30° E8' 59"	23° 54' 39"	39	515.25	N	0.08	VER	ETV	OPE	CML
212	DUNELSKLOOF	30° E8' 59"	23° 54' 36"	49	586.25	N	0.04	VER	MNET	OPE	CML
213	DUNELSKLOOF	30° E8' 59"	23° 54' 35"	45	653.25	N	0.08	VER	SBC1	OPE	PBS
214	DUNELSKLOOF	30° E8' 59"	23° 54' 35"	41	631.25	N	0.02	VER	SBC2	OPE	PBS
215	DUNELSKLOOF	30° E8' 59"	23° 54' 35"	37	598.25	N	0.08	VER	SBC3	OPE	PBS
216	DUNDEEGLENCOE	30° E9' 6"	26° 59' 45"	27	539.25	N	0.06	VER	MNET	OPE	CML
217	EKSTEENFONTEIN	17° E15' 15"	28° 54' 27"	55	823.25	N	0.04	VER	ETV	OPE	CML
218	EKSTEENFONTEIN	17° E15' 15"	28° 54' 27"	53	777.25	N	0.04	VER	SBC1	OPE	PBS
219	EKSTEENFONTEIN	17° E15' 15"	28° 54' 27"	57	733.25	N	0.04	VER	SBC2	OPE	PBS
220	EKSTEENFONTEIN	17° E15' 15"	28° 54' 27"	61	791.25	N	0.04	VER	SBC3	OPE	PBS
221	EKLUNDEN	31° E0' 43"	25° 53' 22"	68	822.25	N	0.001	VER	ETV	OPE	CML

## ANNEXURE E:TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTER STATION NAME	GEO CO-ORDINATES		TRANSMITTER		ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	CH	FREQ	HTS ET	ERP	PDL	PROG	STAT	CAT
222	EMULINDEN	31°E2'43"	26°S3'27"	57	750.75	h	0.001	VFR	SBC1	OPE	PBS
223	EMULINDEN	31°E2'43"	26°S3'22"	58	751.25	h	0.001	VFR	SBC2	OPE	PBS
224	EMULINDEN	31°E2'47"	26°S3'25"	61	751.25	s	0.001	VFR	SBC3	OPE	PBS
225	ELSPERS	31°E5'34"	22°S3'41"	53	757.25	20M	0.1	VFR	SBC3	OPE	PBS
226	FELIXTON	31°E5'45"	28°S50'15"	76	811.25	s	0.02	VFR	SBC1	OPE	PBS
227	FELIXTON	31°E5'45"	28°S50'15"	76	815.25	s	0.02	VFR	SBC2	OPE	PBS
228	FELIXTON	31°E5'47"	28°S50'15"	70	843.25	s	0.005	VFR	MNET	OPE	CML
229	FELIXTON	31°E5'47"	28°S50'15"	70	843.25	s	0.02	VFR	SBC3	OPE	PBS
230	FICKSBURG 0601	31°E5'32"	28°S52'30"	25	847.25	h	0.005	VFR	MNET	OPE	CML
231	FICKSBURG	31°E5'34"	28°S52'30"	27	879.25	h	0.001	VFR	SBC1	OPE	PBS
232	FICKSBURG	31°E5'35"	28°S52'30"	21	851.25	h	0.001	VFR	SBC3	OPE	PBS
233	FOOTHILL E AND SPANG	31°E2'35"	26°S27'15"	38	583.25	h	0.1	VFR	MNET	OPE	CML
234	FORT BEAUFORT LORE	26°E59'33"	32°S36'30"	45	663.25	h	7E-04	VFR	SBC2	OPE	PBS
235	FOURIESBURG	28°E12'53"	26°S27'37"	52	619.25	h	0.002	VFR	SBC1	OPE	PBS
236	FOURIESBURG	28°E12'53"	26°S27'37"	40	621.25	w	0.002	VFR	SBC2	OPE	PBS
237	FOURIESBURG	28°E12'53"	26°S27'37"	48	607.25	w	0.005	VFR	MNET	OPE	CML
238	FRANKFORT	28°E30'27"	27°S16'47"	66	841.25	h	0.001	VFR	SBC1	OPE	PBS
239	FRANKFORT	28°E30'27"	27°S16'47"	64	815.25	h	0.001	VFR	SBC2	OPE	PBS
240	FRANKFORT	28°E30'27"	27°S16'47"	56	751.25	h	0.001	VFR	SBC3	OPE	PBS
241	FRANKFORT	28°E30'27"	27°S16'47"	62	780.25	h	0.004	VFR	MNET	OPE	CML
242	FRANSCHOEK DRAXENSTEIN	19°E28'5"	32°S55'15"	30	567.25	h	0.004	VFR	SBC2	OPE	PBS
243	FRANSCHOEK LA MOTTE	19°E4'29"	33°S54'23"	41	637.25	h	0.001	HOR	MNET	OPE	CML
244	FRANSCHOEK LA MOTTE	19°E4'29"	33°S54'23"	42	663.25	h	8E-04	HOR	SBC1	OPE	PBS
245	FRANSCHOEK LA MOTTE	19°E4'29"	33°S54'23"	37	586.25	h	8E-04	HOR	SBC2	OPE	PBS
246	FRANSCHOEK LA MOTTE	19°E4'29"	33°S54'23"	43	695.25	h	8E-04	HOR	SBC1	OPE	PBS
247	FRASERBURG	21°E30'27"	31°S54'58"	111	98.6	n	1.003	VFR	2000	OPE	PBS
248	FRASERBURG	21°E30'27"	31°S54'58"	55	743.25	h	1.005	VFR	FTV	OPE	CML
249	FRASERBURG	21°E30'27"	31°S54'58"	67	791.25	h	1.005	VFR	SBC1	OPE	PBS
250	FRASERBURG	21°E30'27"	31°S54'58"	57	759.25	h	1.005	VFR	SBC2	OPE	PBS
251	FRASERBURG	21°E30'27"	31°S54'58"	33	721.25	h	1.003	VFR	MNET	OPE	CML
252	FRASERBURG	21°E30'27"	31°S54'58"	65	623.25	h	1.002	VFR	SBC3	OPE	PBS
253	FRASERBURG BURGERPOS	21°E2'41"	31°S54'47"	34	567.25	h	1.001	VFR	SBC2	OPE	PBS
254	FRASERBURG TAPELOP	21°E12'21"	32°S89'49"	23	487.25	h	0.075	VFR	SBC2	OPE	PBS
255	GARIES 030	17°E59'13"	36°S38'31"	56	591.25	h	0.001	VFR	MNET	OPE	CML
256	GENADENDAL	19°E30'58"	34°S1'35"	21	471.25	h	0.005	VFR	FTV	OPE	CML
257	GENADENDAL	19°E30'58"	34°S1'39"	24	490.25	h	0.002	VFR	SBC1	OPE	PBS
258	GENADENDAL	19°E30'58"	34°S1'37"	26	521.25	h	0.002	VFR	SBC2	OPE	PBS
259	GENADENDAL	19°E37'58"	34°S1'35"	22	559.25	s	0.002	VFR	SBC3	OPE	PBS
260	GEORGE EERGPLOOS	22°E49'41"	33°S53'8"	41	631.25	s	0.01	VFR	SBC1	OPE	PBS
261	GEORGE EERGPLOOS	22°E45'46"	33°S53'6"	27	559.25	s	0.003	VFR	SBC2	OPE	PBS
262	GIAH	30°E40'21"	23°S19'37"	71	471.25	700	0.006	VFR	MNET	OPE	CML
263	GLEN COOME	29°E46'29"	24°S10'33"	58	847.25	h	SE-04	FTV	SE-04	OPE	CML
264	GLEN COOME	29°E46'29"	24°S10'30"	50	731.25	h	SE-04	VFR	SBC1	OPE	PBS
265	GLEN COOME	29°E46'29"	24°S10'30"	62	723.25	h	SE-04	VFR	SBC2	OPE	PBS
266	GLEN COOME	29°E46'29"	24°S10'30"	64	815.25	h	SE-04	VFR	SBC3	OPE	PBS
267	GLENMILL GLENDALE	31°E7'54"	29°S15'4"	48	687.25	h	0.007	VFR	SBC1	OPE	PBS
268	GLENMILL GLENDALE	31°E7'54"	29°S15'4"	52	779.25	h	0.002	VFR	SBC2	OPE	PBS
269	GLENMILL GLENDALE	31°E7'54"	29°S15'4"	44	635.25	h	0.002	VFR	SBC3	OPE	PBS
270	GOODMOUSE	16°E7'1"	23°S54'20"	68	847.25	h	0.004	VFR	FTV	OPE	CML
271	GOODMOUSE	16°E7'1"	23°S54'20"	56	791.25	h	0.004	VFR	SBC1	OPE	PBS
272	GOODMOUSE	16°E7'1"	23°S54'20"	60	780.25	h	0.004	VFR	SBC2	OPE	PBS
273	GOODMOUSE	16°E7'1"	23°S54'20"	64	815.25	h	0.004	VFR	SBC3	OPE	PBS
274	GRAAFF-REINET	24°E30'11"	32°S1'34"42"	36	576.25	h	0.004	VFR	SBC1	OPE	PBS
275	GRAAFF-REINET	24°E30'11"	32°S1'34"42"	34	576.25	h	0.004	VFR	SBC2	OPE	PBS
276	GRAAFF-REINET	24°E31'54"	32°S1'4"31"	22	479.25	h	0.04	VFR	MNET	OPE	CML

## ANNEXURE E: TELEVISION SELF HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES		TRANSMITTER		ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	CH	FREQ	OFFS NET	ERP	POL	PROG	STAT	CAT
277	GRAAF REIN 2	24° E51' 54"	32° S14' 37"	9	215.25	N	0.04	VER	SBC1	OPE	PBS
278	GRAAF REIN 2	24° E51' 54"	32° S14' 37"	30	543.25	N	0.04	VER	SBC3	OPE	PBS
279	GRAHAMSTOWN	26° E30' 44"	30° S19' 42"	33	567.25	N	0.005	VER	VNET	OPE	CML
280	GRAHAMSTOWN	26° E30' 44"	30° S19' 42"	26	538.25	N	0.005	VER	SBC3	OPE	PBS
281	GRAHAMSTOBK LOOP10	26° E2 47'	30° S00' 14"	37	739.25	N	0.04	VER	SBC2	OPE	PBS
282	GRAYLODGE TURPISON	30° E42' 57"	23° S35' 55"	45	695.25	N	0.04	VER	SBC1	OPE	PBS
283	GREYLINESTAD T74	28° E40' 17"	26° S44' 17"	54	735.25	N	0.002	HOR	VNET	OPE	CML
284	GREYLINESTAD	28° E40' 17"	26° S44' 17"	67	735.25	N	0.04	HOR	SBC1	OPE	PBS
285	GREYLINESTAD	28° E40' 17"	26° S44' 17"	58	767.25	N	0.04	HOR	SBC2	OPE	PBS
286	GREYTOWN HGA1	26° E36' 47"	29° S2' 53"	62	807.25	N	0.005	VER	VNET	OPE	CML
287	GREYTOWN MUDEN	30° E21' 47"	26° S56' 54"	29	507.25	N	0.001	VER	SBC1	OPE	PBS
288	GREYTOWN MUDEN	30° E21' 47"	26° S56' 54"	21	471.25	N	0.002	VL4	SBC2	OPE	PBS
289	GRIEKSWAARD	23° E13' 45"	26° S45' 13"	65	820.25	N	0.04	HOR	SBC1	OPE	PBS
290	GROBLERSHOOP	21° E44' 12"	28° S32' 57"	37	537.25	N	0.004	VER	ETV	OPE	CML
291	GROBLERSHOOP	21° E44' 12"	28° S32' 57"	20	487.25	N	0.004	VER	SBC1	OPE	PBS
292	GROBLERSHOOP	21° E44' 12"	28° S32' 57"	27	519.25	N	0.004	VER	SBC3	OPE	PBS
293	GROOT-BAARVIER	22° E12' 59"	34° S2' 35"	31	587.25	N	0.001	VER	ETV	OPE	CML
294	GROOTDERM BAKEN	16° E47' 13"	26° S25' 11"	520	975	N	15.04	VER	2000	OPE	PBS
295	GROOTDERM BAKEN	16° E47' 13"	26° S25' 11"	30	543.25	N	0.008	VER	VNET	OPE	CML
296	GROOTDERM BAKEN	16° E47' 13"	26° S25' 11"	34	575.25	N	0.04	VER	SBC2	OPE	PBS
297	GROOTDERM BRANDWARS	16° E36' 35"	26° S29' 26"	14	515.25	N	15.04	VER	SBC2	OPE	PBS
298	GROOTDERM KODA3BISK	15° E36' 36"	26° S1' 29"	27	519.25	N	0.005	VER	SBC2	OPE	PBS
299	GROOTDERM KUBOES	16° E39' 20"	28° S27' 7"	51	711.25	N	0.001	VER	ETV	OPE	CML
300	GROOTDERM KUBOES	15° E39' 20"	28° S27' 7"	43	647.25	N	0.001	VER	SBC1	OPE	PBS
301	GROOTDERM KUBOES	15° E39' 20"	28° S27' 7"	39	615.25	N	0.001	VER	SBC2	OPE	PBS
302	GROOTDERM KUBOES	16° E39' 20"	28° S27' 7"	45	671.25	N	0.001	VER	SBC3	OPE	PBS
303	GROOTDERM SENDEJAGSDRIFT	15° E51' 57"	28° S1' 24"	74	436.25	N	0.001	VER	VNET	OPE	CML
304	GROOTDERM SENDEJAGSDRIFT	15° E51' 57"	28° S1' 24"	32	559.25	N	15.04	VER	SBC2	OPE	PBS
305	GROOTLEIESKOM	21° E26' 45"	26° S44' 19"	21	471.25	N	0.003	VER	VNET	OPE	CML
306	GROOTLEIESKOM	21° E26' 45"	26° S44' 19"	77	519.25	N	0.003	VER	ETV	OPE	CML
307	GROOTLEIESKOM	21° E26' 45"	26° S44' 19"	29	535.25	N	0.003	VER	SBC1	OPE	PBS
308	GROOTLEIESKOM	21° E26' 45"	26° S44' 19"	32	567.25	N	0.003	VER	SBC2	OPE	PBS
309	GROOTLEIESKOM	21° E26' 45"	26° S44' 19"	75	507.25	N	0.003	VER	SBC3	OPE	PBS
310	HANKEY	24° E53' 9"	33° S00' 14"	54	525.25	N	0.004	VER	VNET	OPE	CML
311	HARDING	29° E52' 30"	30° S36' 5"	25	525.25	N	0.003	VL4	VNET	OPE	CML
312	HARDING	29° E52' 24"	30° S36' 5"	38	561.25	N	0.003	VER	ETV	OPE	CML
313	HARDING	29° E52' 24"	30° S36' 5"	25	507.25	N	0.003	VER	SBC1	OPE	PBS
314	HARDING	29° E52' 24"	30° S36' 5"	22	479.25	N	0.003	VER	SBC2	OPE	PBS
315	HARDING	29° E52' 24"	30° S36' 5"	34	576.25	N	0.003	VER	SBC3	OPE	PBS
316	HARDING WEZA	29° E44' 40"	30° S34' 53"	28	527.25	N	0.006	VER	SBC1	OPE	PBS
317	HARDING WEZA	29° E44' 40"	30° S34' 53"	36	591.25	N	0.006	VER	SBC2	OPE	PBS
318	HARRISWATH 074	29° E6' 23"	25° S1' 18"	21	471.25	PSM	0.02	VER	VNET	OPE	CML
319	HARRISWATH STEENFONTEIN DAM	29° E2' 45"	28° S34' 40"	41	531.25	N	0.006	VER	SBC1	OPE	PBS
320	HARRISWATH STEENFONTEIN DAM	29° E2' 45"	28° S34' 40"	37	599.25	N	0.006	VER	SBC2	OPE	PBS
321	HARTSWATER	24° E46' 20"	21° S44' 56"	56	751.25	N	0.08	VER	VNET	OPE	CML
322	HECTORSPRUIT VAJRA	21° E35' 15"	25° S34' 15"	21	471.25	N	0.006	VER	SBC1	OPE	PBS
323	HECTORSPRUIT VAJRA	21° E39' 10"	25° S34' 15"	34	575.25	N	0.008	VER	SBC2	OPE	PBS
324	HEDEBERG CF	20° E56' 56"	34° S01' 32"	26	527.25	N	0.004	VER	ETV	OPE	CML
325	HEDEBERG CP	20° E56' 56"	34° S01' 32"	23	559.25	N	0.004	VER	SBC1	OPE	PBS
326	HEDEBERG CP	20° E56' 56"	34° S01' 32"	24	495.25	N	0.004	VER	SBC3	OPE	PBS
327	HEDEBERG W TSAND	20° E50' 42"	34° S23' 42"	52	779.25	N	0.003	VER	ETV	OPE	CML
328	HEDEBERG W TSAND	20° E50' 42"	34° S23' 42"	40	620.25	N	0.005	VER	SBC1	OPE	PBS
329	HEDEBERG W TSAND	20° E50' 42"	34° S23' 42"	44	645.25	N	0.005	VER	SBC2	OPE	PBS
330	HEDEBERG W TSAND	20° E50' 42"	34° S23' 42"	48	687.25	N	0.005	VER	SBC3	OPE	PBS
331	HEILISON	27° E57' 43"	27° S17' 29"	52	719.25	N	0.001	VER	SBC1	OPE	PBS

## ANNEXURE F TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO COORDINATES		TRANSMITTER		ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	CH	FREQ	OFFS ET	ERP	POL	PROG	STAT	CAT
302	HELIOPRON	27 E17 53	31 51' 29	44	655.25	N	0.001	VFR	SBC2	OPE	PBS
303	HELIOPRON	27 E17 53	31 51' 29	44	655.25	N	0.001	VFR	SBC3	OPE	PBS
334	HELDERSATORU	19 E22 47	34 55' 24	55	580.25	N	0.004	VFR	MNET	OPE	CML
335	HERMANUS 1 C7 1	19 E13 26	34 52' 47	36	591.25	20A	0.026	VFR	MNET	OPE	CML
336	HEROLDSBAAI	22 E21 29	34 53' 13	58	507.25	N	0.005	VFR	MNET	OPE	CML
337	HEROLDSBAAI	22 E21 29	34 53' 13	46	571.25	N	0.005	VFR	SBC2	OPE	PBS
338	HEROLDSBAAI	22 E21 29	34 53' 13	42	520.25	N	0.005	VFR	SBC2	OPE	PBS
339	HEROLDSBAAI	22 E21 29	34 53' 13	50	705.25	N	0.005	VFR	SBC3	OPE	PBS
340	HERSCHEL	27 E11 11	30 53' 42	50	703.25	N	0.006	VFR	FTV	OPE	CML
341	HERSCHEL	27 E11 11	30 53' 47	38	607.25	N	0.006	VFR	SBC1	OPE	PBS
342	HERSCHEL	27 E11 11	30 53' 42	42	520.25	N	0.006	VFR	SBC2	OPE	PBS
343	HERSCHEL	27 E11 11	30 53' 42	46	671.25	N	0.006	VFR	SBC3	OPE	PBS
344	HEX RIVER VALLEY	22 E40 54	33 52' 40	20	519.25	N	0.025	VFR	FTV	OPE	CML
345	HEX RIVER VALLEY	22 E40 54	33 52' 40	21	551.25	N	0.025	VFR	SBC1	OPE	PBS
346	HEX RIVER VALLEY	22 E40 54	33 52' 40	35	583.25	N	0.025	VFR	SBC3	OPE	PBS
347	HEMPVIER SANOMLIS KANETVILLE	19 E32 2	33 521' 5	61	801.25	N	0.04	VFR	SBC2	OPE	PBS
348	HLOBANE ALPHA ANTHRACITE	21 E7 36	27 542' 27	62	799.25	N	0E-04	VFR	SBC1	OPE	PBS
349	HLOBANE ALPHA ANTHRACITE	21 E7 36	27 543' 27	58	787.25	N	0E-04	VFR	SBC2	OPE	PBS
350	HLOBANE COLLIERY	21 E7 5	27 542' 42	79	521.25	N	0.006	VFR	SBC1	OPE	PBS
351	HLOBANE COLLIERY	21 E7 5	27 542' 42	77	495.25	N	0.006	VFR	SBC2	OPE	PBS
352	HLOBANE COLLIERY	21 E7 5	27 542' 42	76	551.25	N	0.006	VFR	SBC3	OPE	PBS
353	HLOBANE RUSTENBURG	21 E11 6	27 542' 29	53	740.25	N	0.01	VFR	SBC2	OPE	PBS
354	HODDISPURT T112	20 E52 19	24 512' 23	45	661.25	N	0.1	VFR	MNET	OPE	CML
355	HONDEKLIPBAAI	17 E16 34	32 519' 2	38	607.25	N	0.005	VFR	SBC1	OPE	PBS
356	HONDEKLIPBAAI	17 E15 34	32 519' 2	42	609.25	N	0.005	VFR	SBC2	OPE	PBS
357	HOPETOWN 4	24 E5 5	29 537' 47	34	607.25	N	0.01	VFR	FTV	OPE	CML
358	HOPETOWN	24 E5 5	29 537' 47	42	639.25	N	0.01	VFR	SBC1	OPE	PBS
359	HOPETOWN	24 E5 5	29 537' 47	46	571.25	N	0.01	VFR	SBC2	OPE	PBS
360	HOPETOWN	24 E5 5	29 537' 47	50	703.25	N	0.01	VFR	SBC3	OPE	PBS
361	HOTAZEL	22 E17 51	27 512' 15	38	507.25	20A	0.06	VFR	MNET	OPE	CML
362	HOTAZEL	22 E17 51	27 512' 20	42	530.25	N	0.05	VFR	SBC3	OPE	PBS
363	HOTAZEL BLACK ROCK	22 E30 7	27 517' 33	46	571.25	N	0.013	VFR	SBC3	OPE	PBS
364	HOTAZEL BLACK ROCK	22 E30 7	27 517' 33	50	703.25	N	0.005	VFR	MNET	OPE	CML
365	HUMANISDORP EERSTEIN	24 E10 19	34 54' 51	39	619.25	N	0.009	VFR	SBC2	OPE	PBS
366	HUMANISDORP DUBOSKTC	24 E11 26	34 50' 25	51	711.25	N	0.002	VFR	SBC2	OPE	PBS
367	HUMPHREYMINA	32 E38 23	30 526' 21	32	559.25	N	0.002	VFR	SBC2	OPE	PBS
368	INDIA PINES GROVE	27 E18 6	31 520' 23	48	681.25	N	0.003	VFR	SBC1	OPE	PBS
369	INDIA PINES GROVE	27 E18 6	31 520' 23	49	623.25	N	0.003	VFR	SBC2	OPE	PBS
370	LAGERSPOONTJIN	25 E25 52	39 545' 22	50	723.25	N	0.005	VFR	SBC1	OPE	PBS
371	LAGERSPOONTJIN	25 E25 52	39 545' 22	47	639.25	N	0.005	VFR	SBC2	OPE	PBS
372	LAGERSPOONTJIN	25 E26 52	39 545' 22	38	607.25	N	0.005	VFR	SBC3	OPE	PBS
373	LAKESTOWN	26 E49 17	31 56' 50	23	447.25	N	0.001	VFR	SBC2	OPE	PBS
374	LANSKEPPDORF	24 E30 43	27 554' 51	38	667.25	N	0.02	VFR	MNET	OPE	CML
375	LANSSENVILLE	24 E40 5	32 536' 20	49	695.25	N	0.003	HDR	MNET	OPE	CML
376	LANSSENVILLE	24 E40 5	32 536' 20	45	663.25	N	0.003	VFR	SBC1	OPE	PBS
377	LANSSENVILLE	24 E40 5	32 536' 20	50	727.25	N	0.003	VFR	SBC1	OPE	PBS
378	LANSSENVILLE	24 E40 5	32 536' 20	51	791.25	N	0.003	VFR	SBC2	OPE	PBS
379	LANSSENVILLE TOWER	24 E44 26	32 548' 53	21	471.25	N	2E-04	VFR	SBC2	OPE	PBS
380	LANSVILLE SCHETPORT	24 E32 54	32 513' 20	57	539.25	N	0.003	VFR	VLR	MNET	OPE
381	LOUBERTINA	23 E52 21	33 548' 19	34	579.25	N	0.004	VFR	SBC2	OPE	CML
382	LOUBERTINA	23 E52 21	33 548' 19	37	589.25	N	0.004	VFR	FTV	OPE	PBS
383	LOUBERTINA	23 E52 21	33 548' 19	29	479.25	N	0.003	VFR	MNET	OPE	CML
384	LOUBERTINA	23 E52 21	33 548' 19	29	479.25	N	0.004	VFR	SBC1	OPE	PBS

## ANNEXURE E. TELEVISION SELF-HF/LP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES		TRANSMITTER		ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	CH	FREQ	KWPS ET	ERP	POL	PROG	STAT	CAP
385	KOUBERTINA	20° E52' 21"	33° S46' 19"	30	541.25	N	0.004	VER	SBC1	OPE	PBS
386	KOUBERTINA DERNHOOF	20° E51' 46"	33° S41' 15"	22	437.25	N	1.004	VER	SBC2	OPE	PBS
387	KAKAMAS	20° E51' 30"	29° S47' 06"	37	594.25	N	0.005	VER	MNET	OPE	CML
388	KAKAMAS	20° E51' 30"	29° S47' 06"	49	698.25	N	0.006	VER	LTV	OPE	CML
389	KAKAMAS	20° E51' 30"	29° S47' 06"	41	631.25	N	0.006	VER	SBC1	OPE	PBS
390	KAKAMAS	20° E51' 30"	29° S47' 06"	43	663.25	N	0.006	VER	SBC3	OPE	PBS
391	KAKAMAS SEEKOESTERK	20° E51' 49"	29° S47' 26"	54	735.25	N	0.005	VER	SBC2	OPE	PBS
392	KANGWAKE KAHYANAZANE	31° E11' 13"	26° S27' 19"	61	797.25	N	0.005	VER	SBC1	OPE	PBS
393	KANGWAKE KAHYANAZANE	31° E11' 13"	26° S27' 19"	57	759.25	N	0.005	VER	SBC2	OPE	PBS
394	KANGWAKE LOEVELE	31° E16' 25"	26° S40' 15"	44	505.25	N	0.005	VER	SBC1	OPE	PBS
395	KANGWAKE LOEVELE	31° E16' 25"	26° S40' 15"	40	523.25	N	0.005	VSH	SBC2	OPE	PBS
396	KANGWAKE STEYNSDORP	30° E58' 42"	26° S7' 20"	47	579.25	N	1.001	VER	SBC1	OPE	PBS
397	KANGWAKE STEYNSDORP	30° E58' 42"	26° S7' 20"	51	711.25	N	1.001	VER	SBC2	OPE	PBS
398	KANGWAKE STEYNSDORP	30° E58' 42"	26° S7' 20"	43	547.25	N	1.001	VER	SBC3	OPE	PBS
399	KANGWAKE SWALLOWSNEST	30° E59' 15"	26° S13' 45"	57	759.25	N	0.01	VER	SBC1	OPE	PBS
400	KANGWAKE SWALLOWSNEST	30° E59' 15"	26° S13' 45"	53	727.25	N	0.01	VER	SBC2	OPE	PBS
401	KAREEDOUW	24° E17' 15"	30° S57' 48"	56	767.25	N	0.01	VER	MNET	OPE	CML
402	KAREEDOUW	24° E17' 15"	30° S57' 48"	52	799.25	N	0.01	VER	SBC1	OPE	PBS
403	KAREEDOUW	24° E17' 15"	30° S57' 48"	54	735.25	N	0.01	VER	SBC2	OPE	PBS
404	KAREEDOUW	24° E17' 15"	30° S57' 48"	56	821.25	N	0.01	VER	SBC3	OPE	PBS
405	KELVOES	20° E59' 52"	26° S43' 05"	54	725.25	N	0.016	VSH	LTV	OPE	CML
406	KELVOES	20° E59' 52"	26° S43' 05"	56	731.25	N	0.016	VER	SBC1	OPE	PBS
407	KELVOES	20° E59' 52"	26° S43' 05"	60	731.25	N	0.016	VER	SBC2	OPE	PBS
408	KELVOES	20° E59' 50"	26° S43' 05"	64	815.25	N	0.016	VER	SBC3	OPE	PBS
409	KERKHOEK	20° E59' 50"	26° S43' 05"	68	841.25	N	0.008	VER	MNET	OPE	CML
410	KERKHARDT	2° E9' 50"	26° S25' 50"	43	727.25	N	0.004	VSH	SBC1	OPE	PBS
411	KERKHARDT	2° E9' 50"	26° S25' 50"	57	735.25	N	0.008	VER	SBC2	OPE	PBS
412	KERKHARDT	2° E9' 50"	26° S25' 50"	61	731.25	N	0.008	VER	SBC3	OPE	PBS
413	KERKHARDT	2° E9' 50"	26° S25' 50"	65	823.25	N	0.004	VER	MNET	OPE	CML
414	KESTERI	26° E42' 51"	25° S7' 51"	34	579.25	N	0.001	VER	SBC1	OPE	PBS
415	KESTELL	26° E47' 51"	25° S13' 51"	36	543.25	N	0.006	VER	SBC2	OPE	PBS
416	KIEPERSOL BOEREVERENIGING	31° E3' 56"	25° S3' 26"	53	727.25	N	0.05	VER	MNET	OPE	CML
417	KIEPERSOL BOEREVERENIGING	31° E3' 56"	25° S3' 28"	57	797.25	N	0.04	VER	SBC1	OPE	PBS
418	KIEPERSOL BOEREVERENIGING	31° E3' 56"	25° S3' 26"	57	759.25	N	0.04	VER	SBC2	OPE	PBS
419	KIEPERSOL BOEREVERENIGING	31° E3' 56"	25° S3' 28"	65	523.25	N	0.01	VFR	SBC3	OPE	PBS
420	KING W JAMS TOWN	22° E24' 50"	32° S57' 35"	64	815.25	-20	1.012	HOP	MNET	OPE	CML
421	KING W JAMS TOWN	22° E24' 50"	32° S57' 35"	68	847.25	N	1.025	HOP	SBC1	OPE	PBS
422	KIRKWOOD	25° E20' 53"	33° S23' 22"	30	543.25	N	1.001	VER	MNET	OPE	CML
423	KIRKWOOD	25° E26' 51"	33° S23' 22"	26	511.25	N	1.001	VER	SBC1	OPE	PBS
424	KIRKWOOD	25° E26' 53"	33° S23' 29"	34	579.25	N	1.003	VER	SBC3	OPE	PBS
425	KKL CALDWOOD SPA	21° E45' 8"	33° S30' 38"	48	821.25	N	0.008	VER	SBC2	OPE	PBS
426	KKL KLAARSTROOM	22° E42' 21"	33° S47' 28"	35	583.25	N	0.003	VER	SBC2	OPE	PBS
427	KKL LOUTERWATER	22° E41' 18"	33° S46' 36"	33	727.25	N	0.01	VER	SBC1	OPE	PBS
428	KKL LOUTERWATER	22° E41' 18"	33° S46' 36"	21	751.25	N	0.01	VER	SBC2	OPE	PBS
429	KKL LOUTERWATER	22° E41' 18"	33° S46' 36"	37	745.25	N	0.01	VER	SBC3	OPE	PBS
430	KKL MUSGROVE	20° E30' 53"	35° S47' 18"	24	495.25	N	0.002	VER	SBC3	OPE	PBS
431	KKL MUSGROVE	20° E31' 21"	33° S46' 01"	35	713.25	N	1.01	VER	SBC1	OPE	PBS
432	KKL MUSGROVE II	20° E31' 21"	33° S46' 01"	35	743.25	N	1.01	VER	SBC2	OPE	PBS
433	KKL MUSGROVE II	20° E31' 21"	33° S46' 01"	62	807.25	N	1.01	VER	SBC1	OPE	PBS
434	KKL SAFTON	20° E29' 58"	33° S46' 10"	47	637.25	N	0.032	VER	SBC2	OPE	PBS
435	KKL JINTLUST	24° E3' 20"	33° S48' 34"	40	647.25	N	0.006	VER	SBC3	OPE	PBS
436	KLAARSTROOM	22° E31' 38"	33° S19' 58"	37	495.25	N	0.006	VER	SBC1	OPE	PBS
437	KLAARSTROOM	22° E31' 39"	33° S19' 58"	32	527.25	N	0.008	VER	SBC2	OPE	PBS
438	KLAARSTROOM	22° E31' 39"	33° S19' 58"	32	569.25	N	0.008	VSH	SBC3	OPE	PBS

## ANNEXURE E: TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO-CO-ORDINATES		TRANSMITTER		ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	CH	FREQ	DPS	ERP	POL	PROG	STAT	CAT
438	KIERNWOOD	19° E0' 54"	34° S2' 19"	45	695.25	N	0.006	VER	ETV	OPL	CML
439	KIERNWOOD	19° E0' 54"	34° S2' 10"	37	599.25	N	0.006	VER	SBC1	OPE	PBS
440	KIERNWOOD	19° E0' 54"	34° S2' 10"	41	631.25	N	0.006	VER	SBC2	OPE	PBS
441	KIERNWOOD	19° E0' 54"	34° S2' 10"	45	663.25	N	0.006	VER	SBC3	OPE	PBS
442	KIERNSEE	19° E4' 19"	79° S42' 5"	52	519.25	N	0.006	VER	ETV	OPE	CML
443	KIERNSEE	19° E4' 19"	79° S42' 5"	64	615.25	N	0.006	VER	SBC1	OPE	PBS
444	KIERNSEE	19° E4' 19"	79° S42' 5"	56	751.25	N	0.006	VER	SBC2	OPE	PBS
445	KIERNSEE	19° E4' 19"	79° S42' 5"	60	783.25	N	0.006	VER	SBC3	OPE	PBS
446	KIERNSEE	19° E4' 19"	79° S42' 5"	68	847.25	N	0.006	VER	MNET	OPE	CML
447	KIERNSEE	19° E4' 19"	79° S42' 5"	70	847.25	N	0.006	VER	SBC1	OPE	PBS
448	KLIPPLAAT	24° E20' 1"	32° S1' 75"	34	579.25	N	0.006	VER	ETV	OPE	CML
449	KLIPPLAAT	24° E20' 1"	32° S1' 75"	22	479.25	N	0.008	VER	SBC1	OPE	PBS
450	KLIPPLAAT	24° E20' 1"	32° S1' 75"	26	511.25	N	0.008	VER	SBC2	OPE	PBS
451	KLIPPLAAT	24° E20' 1"	32° S1' 75"	30	543.25	N	0.006	VER	SBC3	OPE	PBS
452	KNYSNA	23° E2' 58"	34° S4' 38"	54	735.25	N	0.04	VER	MNET	OPE	CML
453	KNYSNA BRENTON	23° E2' 30"	34° S1' 50"	47	679.25	N	0.04	VER	MNET	OPE	CML
454	KNYSNA BRENTON	23° E2' 30"	34° S1' 50"	40	611.25	N	0.004	VER	SBC1	OPE	PBS
455	KNYSNA BRENTON	23° E2' 30"	34° S1' 50"	36	515.25	N	0.004	VER	SBC2	OPE	PBS
456	KNYSNA BRENTON	23° E2' 30"	34° S1' 50"	37	711.25	N	0.004	VER	SBC3	OPE	PBS
457	KYENSA NATURS VALLEY	23° E34' 30"	30° S58' 26"	54	735.25	N	0.003	VER	SBC1	OPE	PBS
458	KYENSA NATURS VALLEY	23° E34' 30"	31° S58' 26"	58	767.25	N	0.003	VER	SBC2	OPE	PBS
459	KOPFIEFONTEIN	24° E59' 29"	29° S29' 13"	21	471.25	N	0.001	VER	SBC1	OPE	PBS
460	KOPFIEFONTEIN	24° E59' 29"	29° S29' 13"	25	503.25	N	0.001	VER	SBC2	OPE	PBS
461	KOPFIEFONTEIN	24° E59' 29"	29° S29' 13"	29	535.25	N	0.004	VER	SBC3	OPE	PBS
462	KOPFIEFONTEIN	24° E59' 29"	29° S29' 13"	32	567.25	N	0.005	VER	MNET	OPE	CML
463	KONGHAAS	17° E17' 34"	30° S11' 37"	43	847.25	N	0.003	VER	MNET	OPE	CML
464	KONGHAAS	17° E17' 34"	30° S11' 37"	36	583.25	N	0.003	VER	ETV	OPE	CML
465	KONGHAAS	17° E17' 34"	30° S11' 37"	47	679.25	N	0.003	VER	SBC1	OPE	PBS
466	KONGHAAS	17° E17' 34"	30° S11' 37"	39	611.25	N	0.003	VER	SBC2	OPE	PBS
467	KONGHAAS	17° E17' 34"	30° S11' 37"	51	711.25	N	0.003	VER	SBC3	OPE	PBS
468	KOKSTAD	23° E29' 24"	30° S36' 43"	50	723.25	N	0.15	VER	MNET	OPE	CML
469	KOKSTAD	23° E29' 24"	30° S36' 43"	34	575.25	N	0.1	VER	ETV	OPE	CML
470	KOKSTAD	23° E29' 24"	30° S36' 43"	45	671.25	20W	0.1	VER	SBC1	OPL	PBS
471	KOKSTAD	23° E29' 24"	30° S36' 43"	36	627.25	N	0.1	VER	SBC3	OPE	PBS
472	KOKSTAD LUDZOW	23° E15' 24"	30° S34' 30"	25	563.25	N	0.002	VER	MNET	OPE	CML
473	KOMMUSIAG	17° E29' 11"	29° S48' 18"	35	583.25	N	0.004	VER	ETV	OPE	CML
474	KOMMUSIAG	17° E29' 11"	29° S48' 18"	21	487.25	N	0.004	VER	SBC1	OPE	PBS
475	KOMMUSIAG	17° E29' 11"	29° S48' 18"	27	515.25	N	0.004	VER	SBC2	OPE	PBS
476	KOMMUSIAG	17° E29' 11"	29° S48' 18"	31	551.25	N	0.004	VER	SBC3	OPE	PBS
477	KOMSAT POORT	31° E56' 42"	25° S77' 24"	65	795.25	N	0.003	VER	MNET	OPE	CML
478	KOMSAT POORT	31° E56' 42"	25° S77' 24"	58	767.25	N	0.006	VER	SBC1	OPE	PBS
479	KOMSAT POORT	31° E56' 42"	25° S77' 24"	54	725.25	N	0.005	VER	SBC2	OPL	PBS
480	KOMSAT POORT	31° E56' 42"	25° S77' 24"	66	801.25	N	0.005	VER	SBC3	OPE	PBS
481	KOPPIES	27° E34' 29"	27° S14' 51"	42	623.25	N	0.006	VER	MNET	OPE	CML
482	KOUEBONKEYL BROKAAR	19° E24' 48"	33° S60' 40"	28	527.25	N	0.04	VER	SBC1	OPE	PBS
483	KOUEBONKEYL BROKAAR	19° E24' 48"	33° S60' 40"	36	591.25	N	0.04	VER	SBC2	OPE	PBS
484	KRILHUM MUNICIPALITY	23° E25' 41"	27° S27' 11"	44	668.25	N	0.016	VER	SBC3	OPE	PBS
485	KRILHUM MUNICIPALITY	23° E25' 41"	27° S27' 11"	40	523.25	20W	0.016	VER	MNET	OPE	CML
486	LADYSMITH	21° E16' 17"	33° S36' 10"	26	511.25	N	0.006	HOR	ETV	OPE	CML
487	LADYSMITH	21° E16' 17"	33° S36' 10"	30	543.25	N	0.006	HOR	SBC1	OPE	PBS
488	LADYSMITH	21° E16' 17"	33° S36' 10"	34	575.25	N	0.006	HOR	SBC3	OPE	PBS
489	LADYSMITH ZONE	21° E29' 23"	33° S29' 28"	31	561.25	N	0.001	VER	SBC2	OPE	PBS
490	LADY GREY	21° E12' 35"	30° S42' 51"	39	567.25	N	0.004	VER	ETV	OPE	CML
491	LADY GREY	21° E12' 35"	30° S42' 51"	21	471.25	N	0.004	VER	SBC1	OPE	PBS
492	LADY GREY	21° E12' 35"	30° S42' 51"	25	523.25	N	0.004	VER	SBC2	OPE	PBS
493	LADY GREY	21° E12' 35"	30° S42' 51"	29	535.25	N	0.004	VER	SBC3	OPE	PBS
494	LADYBROOK	21° E26' 2"	29° S1' 36"	62	709.25	N	0.004	HOR	MNET	OPE	CML

## ANNEXURE E: TELEVISION SELF-Help FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTER	GEO-CO-ORDINATES			TRANSMITTER		ANTENNA		ADMINISTRATIVE RECORDS		
		STATION NAME	LONGITUDE	LATITUDE	CH	FREQ	OFFS F1	ERP	POL	PROD	STAR
495	LADYBRAND	27 E25 3	29 S11 36	52	177.25	N	0.016	HOR	SBC1	OPE	PBS
496	LADYBRAND	27 E25 3	29 S11 36	66	181.25	N	0.006	HOR	SBC2	OPE	PBS
497	LADYBRAND ALPH	27 E25 46	29 S11 36	66	181.25	N	0.006	VER	SBC2	OPE	PBS
498	LAMOSBURG	20 E51 5	33 S11 16	37	599.25	N	0.004	VER	SBC1	OPE	PBS
499	LAMOSBURG	20 E51 5	33 S11 16	41	531.25	N	0.004	VER	SBC2	OPE	PBS
500	LAMOSBURG	20 E51 5	33 S11 18	45	563.25	N	0.004	VER	SBC2	OPE	PBS
501	LAMOSBURG	20 E51 6	33 S11 16	59	566.25	N	0.004	VER	MNET	OPE	CML
502	LAMOSBURG DOKKANKLOOF	21 E51 6	33 S21 33	64	178.25	N	0.004	VER	SBC2	OPE	PBS
503	LAMOSBURG DRIEFONTEIN	21 E51 31	33 S21 24	77	519.25	N	0.004	VFR	SBC2	OPE	PBS
504	LAMOSBURG FLORINRIVIER	20 F50 69	30 S17 35	64	175.25	N	0.006	VER	SBC2	OPE	PBS
505	LAMOSBURG WILDERSCOME	20 E54 24	37 S18 49	36	563.25	N	0.002	VER	SBC2	OPE	PBS
506	LAMBERTS BAY	18 E18 46	37 S5 29	56	751.25	N	0.003	VER	SBC1	OPE	PBS
507	LAMBERTS BAY	18 E18 46	37 S6 39	60	783.25	N	0.003	VER	SBC3	OPE	PBS
508	LANGEBAAN	19 E2 19	31 S6 49	57	599.25	N	0.006	VER	ETV	OPE	CML
509	LANGEBAAN	19 E2 19	32 S6 49	40	625.25	N	0.006	VER	SBC1	OPE	PBS
510	LANGEBAAN	19 E2 19	33 S6 49	44	656.25	N	0.006	VER	SBC2	OPE	PBS
511	LANGEBAAN	19 E2 19	33 S6 49	48	687.25	N	0.006	VER	SBC3	OPE	PBS
512	LANGEBAANWES	19 E2 19	32 S6 48	36	583.25	N	0.007	VER	MNET	OPE	CML
513	LEEGGWAAKA	21 E58 6	32 S46 12	32	495.25	N	0.002	VER	SBC1	OPE	PBS
514	LEEGGWAAKA	21 F58 6	32 S46 12	32	527.25	N	0.006	VER	SBC2	OPE	PBS
515	LEEGGWAAKA	21 E58 6	32 S46 17	32	552.25	N	0.006	VER	SBC3	OPE	PBS
516	LEAFFROWNG	17 E5 42	28 S58 52	67	825.25	N	0.004	VER	ETV	OPE	CML
517	LEKKERSING	17 E5 42	28 S58 52	54	735.25	N	0.004	VER	SBC1	OPE	PBS
518	LEKKERSING	17 E5 42	28 S58 52	58	767.25	N	0.004	VER	SBC2	OPE	PBS
519	LEKKERSING	17 E5 42	28 S58 52	62	799.25	N	0.004	VER	SBC3	OPE	PBS
520	LELEFONTEIN	18 E5 5	30 S16 51	62	795.25	N	0.004	ETV	OPE	CML	
521	LELEFONTEIN	18 E5 5	30 S16 51	54	735.25	N	0.004	VER	SBC1	OPE	PBS
522	LELEFONTEIN	18 E5 5	30 S16 51	58	767.25	N	0.004	VER	SBC3	OPE	PBS
523	LIME ACRES	23 E27 54	26 S21 27	58	761.25	N	0.006	ETV	OPE	CML	
524	LIME ACRES	23 E27 54	25 S21 27	54	705.25	N	0.006	VER	MNET	OPE	CML
525	LIME ACRES	23 E27 54	26 S21 27	51	711.25	N	0.004	VER	SBC1	OPE	PBS
526	LIME ACRES	23 E27 54	25 S21 27	47	579.25	N	0.004	VER	SBC2	OPE	PBS
527	LIME ACRES	23 E27 54	25 S21 27	43	547.25	N	0.006	VER	SBC3	OPE	PBS
528	LINCLEY	22 E55 9	22 S62 3	44	605.25	N	0.002	VER	SBC1	OPE	PBS
529	LINCLEY	22 E55 9	22 S62 3	40	533.25	N	0.002	VER	SBC2	OPE	PBS
530	LINCLEY	22 E55 9	22 S62 3	46	587.25	N	0.002	VER	SBC3	OPE	PBS
531	LOEREFONTEIN	19 E26 52	30 S66 38	30	543.25	N	0.006	VER	SBC1	OPE	PBS
532	LOEREFONTEIN	19 E26 52	30 S66 38	26	511.25	N	0.004	VER	SBC2	OPE	PBS
533	LOEREFONTEIN	19 E26 52	30 S66 38	34	575.25	N	0.004	VER	SBC3	OPE	PBS
534	LOKHATJA	22 E5 44	29 S2 34	45	647.25	N	0.015	VER	SBC1	OPE	PBS
535	LOSKORDAAN	26 E22 53	25 S23 7	47	679.25	N	0.006	VER	SBC1	OPE	PBS
536	LOSKORDAAN	26 E22 53	25 S23 7	51	711.25	N	0.006	VER	SBC2	OPE	PBS
537	LOSKORDAAN	26 E22 57	26 S25 7	43	647.25	N	0.006	VER	SBC3	OPE	PBS
538	LOUIS TRICHARD	26 E54 7	22 S58 32	40	625.25	N	0.004	VER	MNET	OPE	CML
539	LOUIS TRICHARD TIMBODOLA	30 E14 25	23 S1 34	58	767.25	N	0.006	VER	SBC1	OPE	PBS
540	LOUIS TRICHARD TIMBODOLA	30 E14 25	25 S1 34	67	795.25	N	0.006	VER	SBC2	OPE	PBS
541	LOUWSBURG ITALA	31 E16 4	27 S34 45	33	567.25	N	0.002	VER	SBC2	OPE	PBS
542	LOUWSBURG MOOSAWK	31 E22 42	27 S35 33	24	498.25	N	0.006	VER	SBC1	OPE	PBS
543	LOUWSBURG MOOSAWK	31 E22 42	27 S35 33	28	527.25	N	0.006	VER	SBC2	OPE	PBS
544	LOUWSBURG SKUTAR	31 E9 29	27 S35 32	68	815.25	N	0.006	VER	SBC2	OPE	PBS
545	LOXTON	22 E21 19	21 S23 9	53	743.25	N	0.006	VER	SBC1	OPE	PBS
546	LOXTON	22 E21 19	21 S23 9	59	775.25	N	0.006	VFR	SBC2	OPE	PBS
547	LOXTON	22 E21 19	21 S23 9	63	807.25	N	0.006	VER	SBC3	OPE	PBS
548	LYDENBURG	30 E26 4	25 S8 19	26	511.25	N	0.02	VER	SBC1	OPE	PBS
549	LYDENBURG	30 E26 4	25 S8 19	30	543.25	N	0.02	VER	SBC2	OPE	PBS
550	LYDENBURG	30 E26 4	25 S8 19	42	639.25	N	0.02	VER	MNET	OPE	CML

## ANNEXURE E - TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO.	TRANSMITTING STATION NAME	GEO CO ORDINATES			TRANSMITTER			ANTENNA		ADMINISTRATIVE RECORDS		
		LONGITUDE	LATITUDE	CH	FREQ	OFFS ET	ERP	POL	PROG	STAT	CAT	
551	WORRIMPUNG DOORHOEK	30° E21' 26"	25° S21' 20"	40	625.25	N	1002	VER	SBC2	OPE	PBS	
552	WYNDENBURG WASH SWING	30° E25' 24"	25° S1° 13"	59	775.75	N	1003	VER	SBC1	OPE	PBS	
553	WYCLIFFE DOORP BOSCHHOEK	30° E25' 37"	25° S21' 18"	22	475.25	N	1004	VER	WNET	OPE	CML	
554	WYCHADODDORP BOSCHHOEK	30° E25' 32"	25° S21' 13"	26	511.25	N	1003	VER	SBC1	OPE	PBS	
555	WYCHADODDORP BOSCHHOEK	30° E25' 32"	25° S21' 13"	24	515.25	N	1002	VER	SBC2	OPE	PBS	
556	WYCHADODDORP BOSCHHOEK	30° E25' 32"	25° S21' 13"	30	545.75	N	1003	VER	SBC3	OPE	PBS	
557	WYCHADODDORP MAMRE	30° E24' 13"	25° S42' 22"	24	495.75	N	1006	HOR	SBC2	OPE	PBS	
558	WYCHADODDORP UNAWAFAGI	30° E23' 42"	25° S44' 41"	55	745.25	N	1004	VER	SBC1	OPE	PBS	
559	WYCHADODDORP UNIVERWAST	30° E26' 45"	25° S44' 41"	59	775.75	N	1006	VER	SBC2	OPE	PBS	
560	WYCLEAR	25° E21' 52"	31° S1° 53"	5	335.25	N	1004	VER	ETV	OPE	CML	
561	WYCLEAN	25° E21' 53"	31° S1° 53"	6	341.25	N	1004	VER	SBC1	OPE	PBS	
562	WYCLEAR	25° E21' 52"	31° S1° 53"	6	355.25	N	1004	VER	SBC2	OPE	PBS	
563	WYCLEAR	25° E21' 52"	31° S1° 53"	5	355.25	N	1004	VER	SBC3	OPE	PBS	
564	WYGRAL COBERGNAAGWOT	27° E20' 15"	25° S56° 60"	39	615.25	N	1001	VER	WNET	OPE	CML	
565	WYELAND	31° E20' 11"	25° S56° 52"	32	543.25	20P	1019	VER	SBC2	OPE	PBS	
566	WYELANE I	31° E26' 22"	25° S26' 47"	38	621.25	N	1011	VER	WNET	OPE	CML	
567	WYELANE SCHDEMANSONL	31° E33' 51"	25° S40' 36"	33	595.25	N	1004	VER	SBC2	OPE	PBS	
568	WYNSBURG	25° E45' 6"	33° S28' 52"	52	719.25	N	1003	VER	WNET	OPE	CML	
569	WYU MF28UR	19° E45' 6"	33° S26' 52"	52	719.25	N	1003	VER	ETV	OPE	CIA	
570	WYMEESBURG	19° E45' 6"	33° S25' 52"	63	827.25	N	1005	VER	SBC1	OPE	PBS	
571	WYMEESBURG	19° E45' 6"	33° S25' 52"	51	743.25	N	1005	VER	SBC2	OPE	PBS	
572	WYU MF28UR	19° E45' 6"	33° S26' 52"	62	806.25	N	1005	VER	SBC3	OPE	PBS	
573	WYANDHI	31° E20' 25"	29° S9° 22"	53	807.25	N	1006	VER	SBC1	OPE	PBS	
574	WYANDHI	31° E25' 25"	29° S9° 22"	53	775.25	N	1006	VER	SBC2	OPE	PBS	
575	WYANDHI	31° E25' 25"	29° S9° 22"	54	743.25	N	1006	VER	WNET	OPE	CIA	
576	WYANDHI	31° E25' 25"	29° S9° 22"	67	825.25	N	1006	VER	SBC3	OPE	PBS	
577	WARYDALE	22° E3' 39"	29° S24' 52"	32	595.25	N	1002	VER	LIV	OPE	CML	
578	WARYDALE	22° E3' 39"	29° S24' 52"	41	621.25	N	1002	VER	SBC1	OPE	PBS	
579	WARYDALE	22° E3' 39"	29° S24' 52"	45	663.25	N	1002	VER	SBC3	OPE	PBS	
580	WATATELE	28° E49' 6"	30° S25' 11"	62	703.25	N	1004	VER	SBC1	OPE	PBS	
581	WATATELE	28° E49' 6"	30° S25' 11"	54	725.25	N	1004	VER	SBC2	OPE	PBS	
582	WATATELE	28° E48' 33"	30° S25' 47"	64	815.25	N	1004	VER	WNET	OPE	CIA	
583	WATATELE	28° E49' 6"	30° S25' 11"	68	847.25	N	1004	VER	SBC3	OPE	PBS	
584	WELOOTH	31° E25' 22"	28° S38' 53"	22	475.25	N	1004	VER	SBC1	OPE	PBS	
585	WELOOTH	31° E25' 22"	28° S38' 53"	26	511.25	N	1004	VER	SBC2	OPE	PBS	
586	WELOOTH	31° E25' 22"	28° S38' 53"	57	713.25	N	1004	VER	SBC3	OPE	PBS	
587	WEREWILLE	21° E30' 29"	32° S25' 36"	33	507.25	N	1004	VER	ETV	OPE	CML	
588	WEREWILLE	21° E30' 29"	32° S26' 36"	21	471.25	N	1004	VER	SBC1	OPE	PBS	
589	WEREWILLE	21° E30' 29"	32° S26' 36"	25	503.25	N	1004	VER	SBC2	OPE	PBS	
590	WEREWILLE	21° E30' 29"	32° S26' 36"	29	535.25	N	1004	VER	SBC3	OPE	PBS	
591	WESSINA LNK	29° E17' 43"	22° S21' 13"	54	705.25	N	1001	VER	WNET	OPE	CML	
592	WESSINA T122	30° E1' 19"	22° S20' 41"	39	615.25	N	1005	VER	WNET	OPE	CML	
593	WESSINA	30° E1' 19"	22° S20' 41"	43	647.25	N	1005	VER	SBC2	OPE	PBS	
594	WIDDELBURG CP	24° E25' 40"	31° S28' 49"	50	703.25	N	1006	VER	WNET	OPE	CML	
595	WIDDELBURG CP	24° E25' 38"	31° S28' 45"	42	699.25	20P	1005	HOR	LTV	OPE	CML	
596	WIDDELBURG CP	24° E25' 38"	31° S28' 45"	65	537.25	20P	1005	HOR	SBC1	OPE	PBS	
597	WIDDELBURG CP	24° E25' 38"	31° S28' 45"	46	571.25	20P	1005	HOR	SBC2	OPE	PBS	
598	WIDDELBURG CP	24° E25' 38"	31° S28' 45"	38	597.25	20P	1005	HOR	SBC3	OPE	PBS	
599	WIDOFI POS	20° E1' 31"	31° S45' 21"	53	129.25	N	1006	VER	SBC2	OPE	PBS	
600	WIDWAESSELDENE	30° E3' 27"	25° S32' 25"	59	775.75	N	1001	VER	SBC1	OPE	PBS	
601	WIDWAESSELDENE	30° E3' 27"	25° S32' 25"	57	839.25	N	1001	VER	SBC2	OPE	PBS	
602	WIDWAEMPHOMEN	30° E1' 0"	25° S32' 25"	43	447.25	N	1006	VER	SBC1	OPE	PBS	
603	WIDWAEMPHOMEN	30° E1' 0"	25° S32' 25"	29	415.25	N	1006	VER	SBC2	OPE	PBS	
604	WIER	20° E20' 26"	26° S45' 47"	36	591.25	N	1006	VER	ETV	OPE	CIA	
605	WIR	20° E20' 26"	26° S45' 47"	24	450.25	N	1006	VER	SBC1	OPE	PBS	
606	WIR	20° E20' 26"	26° S45' 47"	26	591.25	N	1006	VER	SBC2	OPE	PBS	

## ANNEXURE E: TELEVISION SELF HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTER STATION NAME	GLO CO-ORDINATES			TRANSMITTER		ANTENNA		ADMINISTRATIVE RECORDS		
		LONGITUDE	LATITUDE	CH	FREQ	OFFS ER	ERP	POL	PROG	SAT	CAT
607	USTR	20 52 26	26 54 47	32	569.25	N	0.05	VER	SBC1	OPE	PBS
608	MG-SODOMA	30 51 58	22 58 36	37	569.25	N	0.05	VER	SBC1	OPE	PBS
609	MOKGOBOYA	30 51 59	22 58 36	41	571.25	N	0.05	VER	SBC2	OPE	PBS
610	MOKGOBOYA	30 51 59	22 58 36	49	566.25	N	0.05	VER	SBC1	OPE	PBS
611	MONTAGU	20 55 37	30 54 15	30	543.25	N	0.05	VER	MNET	OPE	CML
612	MONTAGU	20 55 37	30 54 14	37	569.25	N	0.05	VER	STV	OPE	CML
613	MONTAGU	20 55 37	30 54 14	26	511.25	N	0.05	VER	SBC1	OPE	PBS
614	MONTAGU	20 55 37	30 54 14	54	575.25	N	0.05	VER	SBC1	OPE	PBS
615	MONTAGU HOTBATHS	20 55 37	30 54 52	24	496.25	N	0.04	VER	MNET	OPE	CML
616	MONTAGU HOTBATHS	20 55 37	30 54 52	21	471.25	N	0.04	VER	STV	OPE	CML
617	MONTAGU HOTBATH-S	20 55 37	30 54 52	56	591.25	N	0.04	VER	SBC1	OPE	PBS
618	MONTAGU HOTBATH-S	20 55 37	30 54 52	39	559.25	N	0.04	VER	SBC2	OPE	PBS
619	MONTAGU HOTBATH-S	20 55 37	30 54 52	26	527.25	N	0.04	VER	SBC3	OPE	PBS
620	MONTAGU KOO ROFREVERENING	19 54 25	30 53 15	58	743.25	N	0.03	VER	SBC2	OPE	PBS
621	MOOR RIVER	30 50 26	29 51 28	51	711.25	N	0.05	HOR	SBC1	OPE	PBS
622	MOOR RIVER	30 50 26	29 51 28	45	679.25	N	0.05	HOR	SBC2	OPE	PBS
623	MOOR RIVER BRINTWELL	29 50 22	29 51 27	41	621.25	N	0.03	HOR	SBC1	OPE	PBS
624	MOORESBURG	19 54 27	30 50 56	21	551.25	N	0.05	VER	MNET	OPE	CML
625	MOSSELEA-MDANABAU	22 52 38	34 51 35	45	647.25	N	0.05	VER	SBC1	OPE	PBS
626	MOSSELEA-MDANABAU	22 52 38	34 51 35	39	615.25	N	0.05	VER	SBC2	OPE	PBS
627	MOSSELEA-MDANABAU	22 52 38	34 51 35	45	661.25	239	0.05	VER	SBC3	OPE	PBS
628	MOSSELEA-MDANABAU	22 52 38	34 51 35	45	695.25	209	0.03	VER	MNET	OPE	CML
629	MOUNT AUX SOURCES ROYAL PARK	28 53 29	28 54 36	44	603.25	N	0.04	VER	SBC1	OPE	PBS
630	MOUNT AUX SOURCES ROYAL PARK	28 53 29	28 54 36	52	713.25	N	0.04	VLR	SBC2	OPE	PBS
631	MOUNT FLETCHER	28 53 34	30 54 37	34	575.25	N	0.08	VER	FTV	OPE	CML
632	MOUNT FLETCHER	28 53 34	30 54 37	22	475.25	N	0.08	VER	SBC1	OPE	PBS
633	MOUNT FLETCHER	28 53 34	30 54 37	26	511.25	N	0.08	VER	SBC2	OPE	PBS
634	MOUNT FLETCHER	28 53 34	30 54 37	30	540.25	N	0.08	VER	SBC3	OPE	PBS
635	MUSAU LANE	31 54 56	29 53 15	39	615.25	N	0.05	VER	SBC1	OPE	PBS
636	MUSAU LANE	31 54 56	29 53 15	46	671.25	N	0.05	VER	SBC2	OPE	PBS
637	MUSAU LANE	31 54 56	29 53 15	24	495.25	N	0.05	VER	SBC3	OPE	PBS
638	MUSAU LANE LNK	31 54 57	29 53 13	37	495.25	N	0.04	VER	MNET	OPE	CML
639	MUSAU LANE	31 54 56	29 53 15	37	500.25	N	0.04	VER	MNET	OPE	CML
640	MUTSATURU	32 51 27	28 52 43	22	479.25	N	0.06	VER	MNET	OPE	CML
641	MURRAYSBURG	23 54 27	31 54 19	21	471.25	N	0.01	VER	SBC2	OPE	PBS
642	MABUKOOL	17 54 28	29 53 5	48	587.25	209	0.05	VER	FTV	OPE	CML
643	MABUSEEP	17 54 28	29 53 5	40	520.25	209	0.1	VER	SBC3	OPE	PBS
644	MABUSEEP QZ	17 54 30	29 53 5	44	555.25	209	0.1	VER	MNET	OPE	CML
645	MATAI ANTHRACITE BOISHOEK	31 52 43	27 54 35	49	695.25	N	0.04	VER	SBC1	OPE	PBS
646	MATAI ANTHRACITE BOISHOEK	31 52 43	27 54 35	45	663.25	N	0.04	VER	SBC2	OPE	PBS
647	MATAI ANTHRACITE LANGKRANE	31 52 43	27 54 16	23	561.25	N	0.04	HOR	SBC1	OPE	PBS
648	MATAI ANTHRACITE LANGKRANE	31 52 43	27 54 15	5	535.25	N	0.04	VER	SBC3	OPE	PBS
649	MELSPORT	21 52 5	32 56 36	55	473.25	N	0.08	VER	FTV	OPE	CML
650	MELSPORT	20 52 5	32 56 36	52	471.25	N	0.08	VER	SBC1	OPE	PBS
651	MELSPORT	20 52 5	32 56 36	51	471.25	N	0.08	VLR	SBC2	OPE	PBS
652	MELSPORT	20 52 5	32 56 36	57	479.25	N	0.08	VER	SBC3	OPE	PBS
653	MELSPORT COUTHANDSKLOOF	22 53 56	32 54 48	63	467.25	N	0.01	VER	SBC2	OPE	PBS
654	MELSPRUIT DENSA	30 53 49	26 51 1	25	517.25	N	0.05	VLR	SBC1	OPE	PBS
655	MELSPRUIT DENSA	30 53 49	25 51 1	24	575.25	N	0.04	VER	MNET	OPE	CML
656	MELSPRUIT DENSA	30 53 49	25 51 1	24	477.25	N	0.06	VER	SBC2	OPE	PBS
657	MELSPRUIT STEENSPRUIT	30 53 29	25 52 29	67	639.25	N	0.07	VER	SBC1	OPE	PBS
658	NEW AVALON VILLE SAUM	29 53 13	10 56 34	47	679.25	N	0.04	VLR	SBC1	OPE	PBS
659	NEWCASTLE KILBARUCHAN	29 53 24	27 53 18	46	571.25	N	0.02	VER	SBC1	OPE	PBS
660	NEWCASTLE KILBARUCHAN	29 53 24	27 53 18	50	700.25	N	0.02	VER	SBC2	OPE	PBS
661	NGCONWA	30 53 9	25 53 41	30	543.25	N	0.04	VER	SBC1	OPE	PBS
662	NGCONWA	30 53 9	25 53 41	34	579.25	N	0.04	VER	SBC2	OPE	M&G

## ANEXLIEF TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES		TRANSMITTER		ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	CH	FREQ	OFFS	ERP	POL	PROG	STAT	DAT
565	NGODWANA	30° E39' 0"	26° S33' 41"	26	511.25	N	0.004	VER	SBC3	OPE	PBS
566	NGODWANA	30° E39' 0"	26° S33' 41"	27	479.75	N	0.004	VER	MNET	OPE	CML
568	NEKERKSHOOP	22° E50' 12"	29° S19' 0"	49	695.25	N	0.004	VER	ETV	OPE	CML
569	NEKERKSHOOP	22° E50' 12"	29° S19' 0"	50	629.25	N	0.004	VER	SBC1	OPE	PBS
570	NEKERKSHOOP	22° E50' 12"	29° S19' 0"	41	621.25	N	0.004	VER	SBC2	OPE	PBS
571	NEKERKSHOOP	22° E50' 12"	29° S19' 0"	45	663.25	N	0.004	VER	SBC3	OPE	PBS
572	NEU-BETHESDA	24° E33' 52"	31° S32' 5"	72	479.25	N	0.002	VER	SBC1	OPE	PBS
573	NEU-BETHESDA	24° E33' 52"	31° S32' 5"	26	511.25	N	0.002	VER	SBC2	OPE	PBS
574	NEU-BETHESDA	24° E33' 52"	31° S32' 5"	35	643.25	N	0.002	VER	SBC3	OPE	PBS
575	NEWBOLDVILLE	19° E4' 25"	31° S22' 45"	67	425.25	N	0.02	VER	ETV	OPE	CML
576	NEWBOLDVILLE	19° E4' 25"	31° S22' 45"	52	479.25	N	0.02	VER	SBC1	OPE	PBS
577	NEWBOLDVILLE	19° E4' 25"	31° S22' 45"	63	407.25	N	0.02	VER	SBC3	OPE	PBS
578	NIJINGOMA SWARTPLAAS	31° E19' 53"	27° S38' 16"	24	495.25	N	0.008	VER	SBC2	OPE	PBS
579	NORTHAM ZONDERHOEK	27° E29' 50"	24° S46' 45"	30	541.25	N	0.048	VER	ETV	OPE	CML
580	NORTHAM ZONDERHOEK	27° E29' 50"	24° S46' 45"	26	511.25	N	0.048	VER	SBC3	OPE	PBS
581	NORTHAM ZONDERHOEK	27° E29' 50"	24° S46' 45"	23	479.25	N	0.05	VER	MNET	OPE	CML
582	NOORDPORT	24° E57' 30"	31° S11' 30"	66	479.25	N	0.003	VER	SBC1	OPE	PBS
583	NOORDPORT	24° E57' 30"	31° S11' 30"	64	613.25	N	0.003	VER	SBC2	OPE	PBS
584	NOORDPORT	24° E57' 30"	31° S11' 30"	56	731.25	N	0.003	VER	SBC3	OPE	PBS
585	NOVISTROON	26° E29' 11"	24° S42' 29"	52	521.25	N	0.013	VER	MNET	OPE	CML
586	CHRISTAD BRUNNDAM	30° E38' 21"	24° S31' 43"	37	599.25	N	0.006	VER	SBC2	OPE	PBS
587	ONSEEPKANS	19° E1' 13"	26° S44' 58"	30	567.25	N	0.004	VER	ETV	OPE	CML
588	ONSEEPKANS	19° E1' 13"	26° S44' 58"	27	479.25	N	0.004	VER	SBC1	OPE	PBS
589	ONSEEPKANS	19° E1' 13"	26° S44' 58"	25	503.25	N	0.004	VER	SBC2	OPE	PBS
590	ONSEEPKANS	19° E1' 13"	26° S44' 58"	29	535.25	N	0.004	VER	SBC3	OPE	PBS
591	ONSEEPKANS SENDING	19° E1' 31"	26° S45' 10"	35	583.25	N	0.004	VER	ETV	OPE	CML
592	ONSEEPKANS SENDING	19° E1' 31"	26° S45' 10"	23	487.25	N	0.004	VER	SBC1	OPE	PBS
593	ONSEEPKANS SENDING	19° E1' 31"	26° S45' 10"	27	519.25	N	0.004	VER	SBC2	OPE	PBS
594	ONSEEPKANS SENDING	19° E1' 31"	26° S45' 10"	31	551.25	N	0.004	VER	SBC3	OPE	PBS
595	OUTSHOORN	22° E1' 35"	30° S34' 49"	44	665.25	20P	2.016	VER	ETV	OPE	CML
596	OUTSHOORN KANGO	22° E1' 33"	31° S34' 44"	21	471.25	N	0.002	VER	SBC1	OPE	PBS
597	OUTSHOORN KANGO	22° E1' 33"	31° S34' 44"	25	503.25	N	0.002	VER	SBC2	OPE	PBS
598	OUTSHOORN KANGO	22° E1' 33"	30° S34' 44"	29	535.25	N	0.002	VER	SBC3	OPE	PBS
599	OUTSHOORN KLENTANA	22° E1' 38"	34° S31' 9"	25	503.25	N	0.013	VER	SBC1	OPE	PBS
600	OUTSHOORN KLENTANA	22° E1' 38"	34° S31' 9"	21	471.25	N	0.013	VER	SBC2	OPE	PBS
601	OUTSHOORN KLENTANA	22° E1' 38"	34° S31' 9"	23	519.25	N	0.013	VER	SBC3	OPE	PBS
602	PATERSON	31° E5' 14"	22° S29' 34"	40	579.25	N	0.002	HOR	SBC2	OPE	PBS
603	PATERSON	31° E5' 17"	31° S45' 35"	50	739.25	N	0.004	VER	ETV	OPE	CML
604	PATERSON SOEREI	31° E4' 39"	30° S46' 44"	54	815.25	N	0.001	VER	MNET	OPE	CML
605	PALU-PETERSBURG	30° E50' 75"	27° S26' 47"	65	823.25	N	0.036	VER	ETV	OPE	CML
606	PALU-PETERSBURG	30° E50' 75"	27° S26' 47"	53	727.25	N	0.036	VER	SBC2	OPE	PBS
607	PALU-PETERSBURG	30° E50' 75"	27° S26' 47"	51	721.25	N	0.036	VER	SBC3	OPE	PBS
608	PALLSHOEK	18° E15' 16"	30° S21' 50"	65	847.25	N	0.004	VER	ETV	OPE	CML
609	PALLSHOEK	18° E15' 16"	30° S21' 50"	58	751.25	N	0.004	VER	SBC1	OPE	PBS
610	PALLSHOEK	18° E15' 16"	30° S21' 50"	64	875.25	N	0.004	VER	SBC3	OPE	PBS
611	PEARSTON	25° E6' 12"	32° S35' 22"	61	701.25	N	0.024	VER	ETV	OPE	CML
612	PEARSTON	25° E6' 12"	32° S35' 22"	51	727.25	N	0.024	VER	SBC1	OPE	PBS
613	PEARSTON	25° E6' 12"	32° S35' 22"	57	739.25	N	0.024	VER	SBC2	OPE	PBS
614	PEARSTON	25° E6' 12"	32° S35' 22"	63	803.25	N	0.024	YLR	SBC3	OPE	PBS
615	PEARSTON BLIFELSHOEK	25° E1' 21"	32° S37' 57"	46	671.25	N	0.024	HOR	SBC1	OPE	PBS
616	PEARSTON SPICERHOU	25° E6' 20"	32° S48' 46"	32	479.25	N	0.024	VER	SBC2	OPE	PBS
617	PEARSTON SPICERHOU	25° E6' 20"	32° S48' 44"	46	671.25	N	0.024	VER	SBC3	OPE	PBS

## ANNEXURE E:TELEVISION SELF HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTER	GEO CO-ORDINATES		TRANSMITTER		ANTENNA		ADMINISTRATIVE RECORDS				
		STATION NAME	LONGITUDE	LATITUDE	GH	FREQ	OFFS	ERP	POL	PROG	STAT	CAT
716	PELGRIMSROUS GROOTONTREK	30° E44' 0"	24° S56' 47"	E7	429.25	N	0.002	VER	SBC1	OPF	PBS	
719	PELGRIMSROUS GROOTONTREK	30° E44' 0"	24° S56' 42"	E5	427.25	N	0.002	VER	SBC2	OPF	PBS	
720	PELLA MISSION	19° E9' 21"	29° S1' 51"	S8	607.25	N	SE-04	VER	SBC1	OPF	PBS	
721	PELLA MISSION	19° E9' 21"	29° S1' 57"	S7	609.25	N	SE-04	VER	SBC2	OPF	PBS	
722	PELLA MISSION	19° E9' 21"	29° S1' 51"	S6	611.25	N	SE-04	VER	SBC3	OPF	PBS	
723	PETRUSVILLE	24° E39' 30"	30° S6' 58"	E	51	711.25	N	0.004	VER	FTV	OPF	CML
724	PETRUSVILLE	24° E39' 30"	30° S6' 58"	E6	513.25	N	0.004	VER	SBC1	OPF	PBS	
725	PETRUSVILLE	24° E39' 30"	30° S6' 58"	E5	515.25	N	0.004	VER	SBC2	OPF	PBS	
726	PETRUSVILLE	24° E39' 30"	30° S6' 58"	E4	517.25	N	0.004	VER	SBC3	OPF	PBS	
727	PHILIPPOLE	25° E16' 19"	30° S1' 57"	E	52	511.25	N	0.004	VER	SBC1	OPF	PBS
728	PHILIPPOLIS	25° E16' 19"	30° S1' 57"	E1	523.25	N	0.004	VER	SBC2	OPF	PBS	
729	PIER RETREF PUPHAL	3° E15' 1"	27° S26' 34"	A1	610.25	N	SE-04	VER	SBC1	OPF	PBS	
730	PIER RETREF PUPHAL DASHWICK	30° E17' 26"	26° S34' 50"	S4	708.25	N	SE-04	VER	SBC2	OPF	PBS	
731	PIETERBORG	18° E44' 19"	29° S64' 57"	E5	621.25	N	0.126	VER	MNET	OPF	CML	
732	PILGRIMSBLIJFHEK	30° E42' 39"	24° S41' 16"	S5	743.25	N	0.004	VER	MNET	OPF	CML	
733	PILGRIMSVALDIEK	30° E45' 57"	24° S44' 37"	S7	599.25	N	0.004	VER	MNET	OPF	CML	
734	PILGRIMSVALDIEK OORD	30° E41' 5	24° S31' 11"	S9	695.25	N	0.004	VER	SBC1	OPF	PBS	
735	PILGRIMSVALDIEK OORD	30° E42' 5	24° S31' 11"	S8	667.25	N	0.004	VER	SBC2	OPF	PBS	
736	PLETTENBERG BAY WESTDRIF	23° E15' 41"	34° S9' 23"	S3	607.25	N	0.004	VER	SBC1	OPF	PBS	
737	PLETTENBERG BAY WESTDRIF	23° E15' 41"	34° S9' 23"	S2	539.25	N	0.004	VER	SBC2	OPF	PBS	
738	PLETTENBERG BAY WESTDRIF	23° E15' 41"	34° S9' 23"	S1	671.25	N	0.004	VER	SBC3	OPF	PBS	
739	POADDER KLEINPLASLA	16° E38' 11"	29° S30' 19"	S9	518.25	N	0.003	VER	SBC2	OPF	PBS	
740	POADDER TOWN	19° E21' 4"	25° S8' 24"	S5	550.25	N	107.9	VER	FTV	OPF	CML	
741	POADDER TOWN	19° E22' 4"	25° S8' 24"	S7	599.25	N	107.9	VER	SBC1	OPF	PBS	
742	POADDER TOWN	19° E23' 4"	25° S8' 24"	S9	596.25	N	107.9	VER	SBC2	OPF	PBS	
743	POADDER TOWN	19° E20' 4"	25° S8' 24"	S1	531.25	N	107.9	VER	SBC3	OPF	PBS	
744	POADDER TOWN	19° E21' 4"	25° S8' 24"	S2	125.25	SWM	S1	VER	SBC2	OPF	PBS	
745	POADDERVILLE SE OORD	16° E49' 5"	25° S21' 35"	S1	471.25	N	0.002	VER	SBC2	OPF	PBS	
746	POMFRET	22° E31' 37"	25° S49' 24"	S5	547.25	N	0.004	VER	SBC3	OPF	PBS	
747	POMFRET	22° E31' 37"	25° S49' 24"	S3	615.25	S	0.002	VER	MNET	OPF	CML	
748	PORT ALFRED	26° E50' 14"	30° S36' 9"	S3	727.25	N	0.005	VER	SBC3	OPF	PBS	
749	PORT ALFRED	26° E53' 14"	30° S36' 9"	S5	754.25	N	0.005	VER	10WC	OPF	CML	
750	PORT EDWARD ELOEN	30° E11' 23"	3° S1' 35"	S2	719.25	N	SE-04	VER	SBC1	OPF	PBS	
751	PORT EDWARD ELOEN	30° E11' 23"	3° S1' 35"	S1	687.25	N	SE-04	VER	SBC2	OPF	PBS	
752	PORT HOLLOWTH	19° E50' 24"	29° S15' 56"	S1	1281.003	N	0.02	VER	2000	OPF	PBS	
753	PORT HOLLOWTH	19° E52' 24"	29° S15' 56"	S3	471.25	N	0.008	VER	FTV	OPF	CML	
754	PORT HOLLOWTH	19° E50' 24"	29° S15' 56"	S1	573.25	N	0.008	VER	SBC1	OPF	PBS	
755	PORT HOLLOWTH	19° E52' 24"	29° S15' 56"	S2	437.25	N	0.008	VER	SBC2	OPF	PBS	
756	PORT HOLLOWTH	19° E52' 24"	29° S15' 56"	S1	451.25	N	0.008	VER	SBC3	OPF	PBS	
757	PORT HOLLOWTH	19° E52' 24"	29° S15' 56"	S3	583.25	N	0.008	VER	MNET	OPF	CML	
758	POSTMASBURG	23° E3' 59"	26° S13' 19"	S1	471.25	N	0.002	VER	MNET	OPF	CML	
759	PRIESSKA	22° E45' 29"	29° S42' 7"	S2	647.25	N	0.001	VER	SBC1	OPF	PBS	
760	PRIESSKA	22° E45' 29"	29° S42' 7"	S1	47	679.25	N	0.001	VER	SBC2	OPF	PBS
761	PRIESSKA	22° F44' 29"	29° S42' 7"	S3	615.25	N	0.008	VER	MNET	OPF	CML	
762	PRINCE ALBERT	22° E1' 43"	35° S14' 7"	S1	487.25	N	0.008	VER	SBC1	OPF	PBS	
763	PRINCE ALBERT	22° E1' 43"	35° S14' 7"	S1	519.25	N	0.008	VER	SBC2	OPF	PBS	
764	PRINCE ALBERT	22° E1' 43"	35° S14' 7"	S1	581.25	N	0.008	VER	SBC3	OPF	PBS	
765	PUANDA MARIA	30° E56' 13"	27° S43' 21"	S2	215.25	N	202.2	VER	SBC1	OPF	PBS	
766	PUANDA MARIA	30° E56' 13"	27° S43' 21"	S1	191.25	SWM	0.032	VER	SBC2	OPF	PBS	
767	QWA QWA RES 22	26° E40' 4"	28° S32' 32"	S6	707.25	N	1.003	VER	SBC1	OPF	PBS	
768	QWA QWA RES 22	26° E40' 4"	28° S32' 32"	S4	735.25	N	1.003	VER	SBC2	OPF	PBS	
769	QWAQWA BERGHOEK	26° E50' 43"	29° S40' 57"	S5	647.25	20P	1.063	VER	SBC1	OPF	PBS	
770	QWAQWA BERGHOEK	26° E50' 43"	29° S40' 57"	S7	679.25	20P	1.063	VER	SBC2	OPF	PBS	
771	QWAQWA BERGHOEK	26° E50' 43"	29° S40' 57"	S1	711.25	N	1.072	VER	SBC3	OPF	PBS	
772	QWAQWA WITSIESHOEK	26° E50' 43"	28° S31' 2"	S6	691.25	N	1.072	VER	SBC1	OPF	PBS	
773	RAWSONVILLE GLENNOCK	19° E16' 52"	31° S42' 10"	S9	775.25	N	1.004	VER	SBC2	OPF	PBS	

## ANNEXURE E: TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES		TRANSMITTER		ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	CH	FREQ	DFFS ET	ERP	POL	PROG	STAT	GAT
774	REINAC	24° E10' 29"	27° S32' 55"	52	727.25	N	0.000	VFR	SBC3	OPE	PBS
775	REIN2	28° E7' 5	22° S40' 3'	39	615.25	N	0.005	VFR	MNET	OPE	CML
776	REINLC	24° E10' 29"	27° S32' 55"	55	743.25	N	0.005	VFR	MNET	OPE	CML
777	RHODDSDONKERHOEK	27° E12' 36"	32° S31' 59"	42	655.25	N	0.000	VFR	SBC2	OPE	PBS
778	RICHMOND CP	23° E7' 56"	27° S25' 25"	36	615.25	N	0.004	VFR	ETV	OPE	CML
779	RICHMOND CP	23° E7' 56"	27° S25' 28"	40	647.25	N	0.004	VFR	SBC1	OPE	PBS
780	RICHMOND CP	23° E7' 56"	27° S25' 29"	47	679.25	N	0.004	VFR	SBC2	OPE	PBS
781	RICHMOND CP	23° E7' 56"	27° S25' 29"	57	711.25	N	0.004	VFR	SBC2	OPE	PBS
782	RICHAARDTSHOOGLAND	30° E4' 38"	29° S34' 45"	47	679.25	N	0.009	VFR	SBC2	OPE	PBS
783	RICHTERSVELD KMLEBS	16° E5' 40"	26° S26' 22"	26	511.25	N	0.005	VFR	SBC1	OPE	PBS
784	RICHTERSVELD KMLEBS	16° E5' 40"	26° S26' 22"	30	543.25	20P	0.005	VFR	SBC2	OPE	PBS
785	RICHTERSVELD KMLEBS	16° E5' 40"	26° S26' 22"	34	575.25	20P	0.005	VFR	SBC2	OPE	PBS
786	RIEMWASMAAK SENDING	20° E15' 49"	26° S27' 37"	63	623.25	N	0.004	VFR	ETV	OPE	CML
787	RIEMWASMAAK SENDING	20° E15' 49"	26° S27' 37"	63	727.25	N	0.004	VFR	SBC1	OPE	PBS
788	RIEMWASMAAK SUMINGO	20° E15' 49"	26° S27' 37"	57	759.25	N	0.004	VFR	SBC2	OPE	PBS
789	RIEMWASMAAK SENDING	20° E15' 49"	26° S27' 37"	61	791.25	N	0.004	VFR	SBC1	OPE	PBS
790	RIEMWASMAAK VREDESWALLEI	20° E11' 1	26° S30' 10"	65	503.25	N	0.006	VFR	ETV	OPE	CML
791	RIEMWASMAAK VREDESWALLEI	20° E11' 1	26° S30' 10"	53	727.25	N	0.006	VFR	SBC1	OPE	PBS
792	RIEMWASMAAK VREDESWALLEI	20° E11' 1	26° S30' 10"	57	759.25	N	0.006	VFR	SBC2	OPE	PBS
793	RIEMWASMAAK VREDESWALLEI	20° E11' 1	26° S30' 10"	61	791.25	N	0.006	VFR	SBC3	OPE	PBS
794	RIETSPLAATJEME	29° E5' 31"	26° S10' 32"	67	838.25	N	0.005	VFR	SBC1	OPE	PBS
795	RIETSPLAATJEME	29° E5' 31"	26° S10' 32"	60	867.25	N	0.005	VFR	SBC2	OPE	PBS
796	RIETSPLAATJEME	29° E5' 31"	26° S10' 32"	66	743.25	N	0.005	VFR	SBC1	OPE	PBS
797	RIETSPLAATJEME	29° E5' 31"	26° S10' 32"	59	775.25	N	0.003	VFR	MNET	OPE	CML
798	RIVERSDALE	21° E7' 36"	34° S8' 3"	26	503.25	N	0.006	VFR	SBC3	OPE	PBS
799	RIVERSDALE	21° E7' 35"	34° S8' 3"	21	471.25	N	0.005	VFR	MNET	OPE	CML
800	RIVERSIDEREND	19° E5' 54"	34° S8' 5"	29	503.25	N	0.006	VFR	ETV	OPE	CML
801	RIVERSIDEREND	19° E5' 54"	34° S8' 5"	21	471.25	N	0.006	VFR	SBC3	OPE	PBS
802	ROBERTSON RUGBERG	19° E5' 45"	33° S8' 31"	50	751.25	N	0.001	VFR	SBC2	OPE	PBS
803	ROOSSENEKAL MAPPOOHS	29° E5' 56"	25° S11' 51"	50	703.25	N	0.002	VFR	SBC1	OPE	PBS
804	ROOSSENEKAL MAPPOOHS	29° E5' 56"	25° S11' 51"	42	638.25	N	0.002	VFR	SBC2	OPE	PBS
805	ROOSSENEKAL MAPPOOHS	29° E5' 56"	25° S11' 51"	46	671.25	N	0.002	VFR	SBC3	OPE	PBS
806	ROOSSENEKAL MAPPOOHS	29° E5' 56"	25° S11' 51"	58	620.25	N	0.002	VFR	MNET	OPE	CML
807	RUSTENBURG PLAT AANVALDE	27° E20' 13"	24° S48' 20"	26	527.25	20M	0.00	VFR	MNET	OPE	CML
808	RUSTENBURG PLAT SWARTKLOP	27° E20' 7	24° S50' 35"	55	743.25	N	0.003	VFR	MNET	OPE	CML
809	SABIE	30° E45' 23"	26° S7' 44"	50	783.25	N	0.06	VFR	SBC1	OPE	PBS
810	SABIE	30° E45' 21"	26° S7' 44"	53	727.25	N	0.06	VFR	SBC3	OPE	PBS
811	SABIE	30° E45' 21"	26° S7' 44"	58	841.25	N	0.02	VFR	MNET	OPE	CML
812	SABIE BERGVALST	30° E51' 45"	26° S7' 55"	48	621.25	N	0.006	VFR	SBC1	OPE	PBS
813	SABIE BERGVALST	30° E51' 45"	26° S7' 55"	44	655.25	N	0.006	VFR	SBC2	OPE	PBS
814	SABIE DOORNHOEK	30° E51' 15"	26° S7' 56"	42	623.25	N	0.018	VFR	SBC2	OPE	PBS
815	SABIE HERBON	30° E52' 45"	26° S7' 56"	67	805.25	N	0.006	VFR	SBC1	OPE	PBS
816	SABIE HERBON	30° E52' 45"	26° S7' 55"	63	807.25	N	0.003	VFR	SBC2	OPE	PBS
817	SABIE KRUGERSDORP	30° E50' 45"	24° S44' 42"	26	511.25	N	0.002	VFR	SBC1	OPE	PBS
818	SABIE RAMANAS	30° E51' 25"	24° S44' 34"	45	658.25	N	0.01	VFR	SBC2	OPE	PBS
819	SCARBOROUGH CP	18° E20' 46"	34° S12' 37"	64	675.25	20M	0.026	VFR	MNET	OPE	CML
820	SCARBOROUGH CP	18° E20' 46"	34° S12' 37"	60	783.25	20M	0.026	VFR	SBC2	OPE	PBS
821	SCARBOROUGH CP	18° E20' 46"	34° S12' 37"	68	847.25	20M	0.026	VFR	SBC3	OPE	PBS
822	SCARBOROUGH CP	18° E20' 46"	34° S12' 37"	56	751.25	20M	0.01	VFR	MNET	OPE	CML
823	SCHEWEZER-BENEKE	25° E15' 60"	27° S12' 49"	52	727.25	20M	0.026	VFR	MNET	OPE	CML
824	SENTRAL	27° E36' 27"	28° S19' 18"	52	719.25	20M	0.026	VFR	MNET	OPE	CML
825	SIGHENATHUISCOR	23° E1' 36"	27° S44' 54"	41	631.25	ZD4	0.02	VFR	ETV	OPE	CML
826	SIGHENATHUISCOR	23° E1' 36"	27° S44' 54"	45	663.25	ZD4	0.02	VFR	SBC1	OPE	PBS
827	SIGHENATHUISCOR	23° E1' 36"	27° S44' 54"	37	599.25	ZD4	0.02	VFR	MNET	OPE	CML
828	SOKTRUAI	24° E14' 56"	34° S4' 29"	51	599.25	N	0.022	VFR	SBC2	OPE	PBS

## ANNEXURE E TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTING STATION NAME	GEO-CO-ORDINATES		TRANSMITTER		ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	CH	FREQ	OFFS ET	FREQ	POL	PROG	STAT	CAT
829	SKUKUZI	31° E35' 41"	24° S07' 11"	45	695.25	N	50.04	VCR	SBC1	OPE	PBS
830	SKUKUZI	31° E35' 41"	24° S07' 11"	37	695.25	N	50.04	VCR	SBC2	OPE	PBS
831	SKUKUZI	31° E35' 41"	24° S07' 11"	41	695.25	N	0.006	VER	SBC3	OPE	PBS
832	SKUKUZI	31° E35' 41"	24° S07' 11"	45	695.25	N	0.006	VER	MNET	OPE	CML
833	SLANGKRIER	20° E51' 26"	34° S06' 57"	36	597.25	N	0.004	VER	ETV	OPE	CML
834	SLANGKRIER	20° E51' 26"	34° S06' 57"	37	695.25	N	0.004	VER	SBC1	OPE	PBS
835	SLURRY PPG	20° E52' 24"	25° S06' 54"	61'	791.25	N	0.007	VER	MNET	OPE	CML
836	SOMERSET EAST	25° E34' 47"	32° S02' 45"	68	647.25	N	0.004	VER	ETV	OPE	CML
837	SOMERSET EAST	25° E34' 47"	32° S02' 45"	69	693.25	N	0.005	VER	MNET	OPE	CML
838	SOMERSET EAST	25° E34' 47"	32° S02' 45"	70	791.25	N	0.01	VER	SBC1	OPE	PBS
839	SOMERSET EAST	25° E34' 47"	32° S02' 45"	71	842.25	N	0.006	VER	MNET	OPE	CML
840	SPRINGSOK BERGSSIG	17° E32' 2	29° S09' 26"	40	620.25	N	0.001	VER	SBC1	OPE	PBS
841	SPRINGSOK BERGSSIG	17° E32' 2	29° S09' 26"	44	588.25	N	0.001	VER	SBC2	OPE	PBS
842	SPRINGSOK BERGSSIG	17° E32' 2	29° S09' 26"	48	667.25	N	0.001	VER	SBC3	OPE	PBS
843	SPRINGSOK MATTIESKLOOF	17° E32' 45"	29° S02' 11"	40	620.25	N	0.001	VSP	SBC1	OPE	PBS
844	SPRINGSOK MATTIESKLOOF	17° E32' 45"	29° S02' 11"	44	588.25	N	0.001	VER	SBC2	OPE	PBS
845	SPRINGSOK MATTIESKLOOF	17° E32' 45"	29° S02' 11"	48	667.25	N	0.001	VER	SBC3	OPE	PBS
846	SPRINGSOK TOWN	17° E32' 47"	29° S09' 21"	31	557.25	N	0.028	VER	SBC1	OPE	PBS
847	SPRINGSOK TOWN	17° E32' 47"	29° S09' 21"	32	607.25	N	0.016	VER	SBC2	OPE	PBS
848	SPRINGSOK TOWN	17° E32' 47"	29° S09' 21"	33	583.25	N	0.028	VER	SBC3	OPE	PBS
849	SPRINGSOK TOWN	17° E32' 47"	29° S09' 21"	37	519.25	N	0.003	VER	MNET	OPE	CML
850	SPRINGFONTEIN	25° E46' 5	30° S15' 48"	27	519.25	N	0.006	HDR	SBC1	OPE	PBS
851	SPRINGFONTEIN	25° E46' 5	30° S15' 48"	28	487.25	N	0.006	HDR	SBC3	OPE	PBS
852	STEELPOORT LEKSGROO	30° E11' 36"	24° S41' 12"	50	543.25	20P	0.071	VER	SBC1	OPE	PBS
853	STEELPOORT LEKSGROO	30° E11' 36"	24° S41' 12"	52	479.25	20P	0.071	VER	SBC2	OPE	PBS
854	STEELPOORT LEKSGROO	30° E11' 36"	24° S41' 12"	54	575.25	20P	0.071	VER	SBC3	OPE	PBS
855	STEELPOORT LEKSGROO	30° E11' 36"	24° S41' 12"	56	511.25	20P	0.060	VLP	MNET	OPE	CML
856	STEELPOORT LOKOME	30° E7' 56"	24° S46' 30"	28	527.25	20P	0.027	VER	SBC1	OPE	PBS
857	STEELPOORT LOKOME	30° E7' 56"	24° S46' 30"	30	538.25	20P	0.028	VER	SBC2	OPE	PBS
858	STEELPOORT LOKOME	30° E7' 56"	24° S46' 30"	32	528.25	20P	0.022	VER	SBC3	OPE	PBS
859	STILLEPOORT MONTROSE	30° E7' 56"	24° S46' 30"	34	456.25	20P	0.022	VER	MNET	OPE	CML
860	STILLEPOORT MONTROSE	30° E7' 56"	24° S46' 30"	36	531.25	20P	0.025	VER	MNET	OPE	CML
861	STILLEPOORT MONTROSE	30° E7' 56"	24° S47' 7	30	723.25	N	0.007	VER	SBC1	OPE	PBS
862	STILLEPOORT MONTROSE	30° E7' 56"	24° S47' 7	32	627.25	N	0.007	VER	SBC2	OPE	PBS
863	STILLEPOORT MONTROSE	30° E7' 56"	24° S47' 7	34	629.25	N	0.005	VER	SBC3	OPE	PBS
864	STEINKOPP	17° E44' 17"	29° S14' 54"	52	703.25	N	0.004	VER	ETV	OPE	CML
865	STEINKOPP	17° E44' 17"	29° S14' 54"	58	627.25	N	0.004	VER	SBC1	OPE	PBS
866	STEINKOPP	17° E44' 17"	29° S14' 54"	62	670.25	N	0.004	VER	SBC2	OPE	PBS
867	STEINKOPP	17° E44' 17"	29° S14' 54"	68	671.25	N	0.004	VFR	SBC3	OPE	PBS
868	STEINKOPP HENKIE CO	18° 15' 2	28° S38' 27"	31	561.25	N	0.003	VER	SBC2	OPE	PBS
869	STEINKOPP KLOOF SERIE	17° E27' 5	26° S46' 15"	31	551.75	N	0.001	VER	SBC2	OPE	PBS
870	STELLA	24° E52' 5	26° S22' 19"	58	731.25	N	0.026	VFR	MNET	OPE	CML
871	STERKSPRUIT	27° E21' 43"	30° S21' 59"	45	695.25	N	0.016	VER	ETV	OPE	CML
872	STERKSPRUIT	27° E21' 43"	30° S21' 59"	49	663.25	N	0.016	VER	SBC1	OPE	PBS
873	STEYNSBURG	25° E46' 30"	21° S17' 56"	47	679.25	N	0.003	VER	SBC1	OPE	PBS
874	STEYNSBURG	25° E46' 30"	21° S17' 56"	49	647.25	N	0.003	VFR	SBC2	OPE	PBS
875	STEYNSBURG	25° E46' 30"	21° S17' 56"	51	711.25	N	0.003	VFR	SBC3	OPE	PBS
876	STEYTLERSVILLE & NAMDA	24° E6' 57"	32° S17' 56"	49	595.25	N	0.001	VER	SBC2	OPE	PBS
877	STEYTLERSVILLE	24° E20' 41"	32° S19' 0	56	751.25	N	0.003	VER	SBC1	OPE	PBS
878	STEYTLERSVILLE	24° E20' 41"	32° S19' 0	59	783.25	N	0.003	VER	SBC2	OPE	PBS
879	STEYTLERSVILLE	24° E20' 41"	32° S19' 0	64	815.25	N	0.003	VER	SBC3	OPE	PBS
880	STEYTLERSVILLE OF DAY	24° E30' 29"	31° S16' 51"	50	549.25	N	0.002	VSP	SBC2	OPE	PBS
881	STEWELESAHAN	18° E9' 10"	32° S46' 20"	53	727.25	20P	0.1	VER	MNET	OPE	CML
882	STILBANK	21° E25' 25"	34° S27' 58"	44	650.25	N	0.003	VER	SBC1	OPE	PBS
883	STILBANK	21° E25' 25"	34° S27' 58"	50	719.25	N	0.003	VER	SBC2	OPE	PBS

## ANNEXURE E:TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO.	TRANSMITTER	GEO COORDINATES		TRANSMITTER		ANTENNA		ADMINISTRATIVE RECORDS				
		STATION NAME	LONGITUDE	LATITUDE	CH	FREQ	DPS	ERP	POL	PROG	STAT	CAT
854	ST-LBAA1	21	E25 25	34	S21 55	43	607.25	N	0.00	VER	SBC1	OPE PBS
855	ST-LBAA2	21	E25 25	34	S21 55	42	620.25	N	0.06	VER	MNET	OPE CML
856	ST-LBAA JONCENSPONTEN	21	E15 58	34	S21 48	30	543.25	N	0.05	VER	SBC1	OPE PBS
857	ST-LBAA JONCENSPONTEN	21	E15 58	34	S21 48	25	517.25	N	0.05	VER	SBC2	OPE PBS
858	ST-LBAA JONCENSPONTEN	21	E14 58	34	S21 46	22	479.25	N	0.05	VER	SBC1	OPE PBS
859	ST-LBAA MELKHOUTONTEN	21	E24 33	34	S22 02	32	580.25	N	0.08	VER	SBC1	OPE PBS
860	ST-LBAA MELKHOUTONTEN	21	E24 33	34	S22 02	28	527.25	N	0.08	VER	SBC2	OPE PBS
861	ST-BAA MELKHOUTONTEN	21	E24 33	34	S22 02	24	495.25	N	0.05	VER	SBC3	OPE PBS
862	ST-LUCA	22	E24 55	28	S22 19	56	757.25	N	0.05	VER	MNET	OPE CML
863	STOPFBERG	29	E48 5	25	S23 0	25	503.25	N	0.06	VER	SBC1	OPE PBS
864	STOPFBERG	29	E48 5	25	S23 0	21	471.25	N	0.04	VER	SBC2	OPE PBS
865	STOPFBERT WEI GEVONDEN	29	E40 54	25	S20 29	60	607.25	N	0.01	VER	SBC2	OPE PBS
866	STORMS RIVER BOSKOR	23	E48 51	32	S28 20	57	750.25	N	0.02	VER	ETV	OPE CML
867	STORMS RIVER BOSKOR	23	E48 51	32	S28 20	50	728.25	N	0.02	VER	SBC1	OPE PBS
868	STORMS RIVER BOSKOR	23	E48 51	30	S28 20	58	507.25	N	0.02	VER	SBC2	OPE PBS
869	STORMS RIVER BOSKOR	23	E48 51	32	S28 20	46	571.25	N	0.02	VER	SBC3	OPE PBS
870	STORMS RIVER BOSKOR	23	E48 43	32	S28 22	52	538.25	N	0.01	VER	MNET	OPE CML
871	STRANDFONTEIN CP	19	E10 45	31	S45 25	30	545.25	N	0.04	VER	SBC1	OPL PBS
872	STRANDFONTEIN CP	19	E10 43	31	S45 25	26	511.25	N	0.04	VER	SBC2	OPL PBS
873	SUTH-EPUND	20	E39 52	32	S20 28	61	791.25	N	0.04	VER	ETV	OPE CML
874	SUTH-EPUND	20	E39 52	32	S20 28	57	758.25	N	0.04	VER	SBC1	OPL PBS
875	SUTHERLAND	20	E39 55	32	S23 29	55	727.25	N	0.04	VER	SBC2	OPE PBS
876	SUTHERLAND	20	E39 55	30	S23 25	55	823.25	N	0.04	VER	SBC3	OPE PBS
877	SUTHERLAND FLAKESDRIVER	20	E45 31	31	S26 56	35	503.25	N	0.05	VER	SBC2	OPE PBS
878	SUTHERLAND HERINC	20	E49 25	32	S20 47	35	571.25	N	0.02	VER	SBC2	OPE PBS
879	SUTHERLAND MOEDER RIVER	20	E51 25	32	S24 49	25	503.25	N	0.04	VER	SBC2	OPE PBS
880	SUTHERLAND OBSERVATORY	20	E46 32	32	S22 41	46	671.25	N	0.03	VER	SBC2	OPE PBS
881	SUTHERLAND RHEBOKSFONTEIN	20	E30 15	32	S20 52	48	687.25	N	0.03	VER	SBC2	OPE PBS
882	SUTHERLAND RHEMOSTER R VIER	20	E41 29	32	S19 32	71	515.25	N	0.01	VER	SBC2	OPE PBS
883	SUTHERLAND TAFELBERGPLAAT	21	E35 46	32	S15 27	57	795.25	N	0.04	VER	SBC2	OPE PBS
884	SUTHERLAND VHT ONDEN	20	E32 2	32	S25 18	28	503.25	N	1E-04	HVR	SBC2	OPE PBS
885	SUTHERLAND VHT ONDFO	20	E42 55	32	S20 39	32	567.25	N	0.01	VER	SBC2	OPE PBS
886	SUURBRANK	20	E35 46	34	S0 35	64	815.25	N	0.00	VER	ETV	OPE CML
887	SUURBRANK	20	E38 46	34	S0 35	56	731.25	N	0.03	VER	SBC1	OPE PBS
888	SUURBRANK	20	E35 46	34	S0 35	58	767.25	N	0.00	VER	SBC2	OPE PBS
889	SUURBRANK	20	E36 46	34	S0 35	60	782.25	N	0.03	VER	SBC1	OPE PBS
890	SWARTBERG BATHRS	29	E25 25	30	S21 25	26	613.25	N	0.02	VER	SBC2	OPE PBS
891	SWARTJAPOLIS KWASPLNGA	21	E72 2	27	S26 52	42	523.25	N	1E-04	VER	SBC2	OPE PBS
892	SWIFI ENKAW	20	E79 1	34	S0 34	33	507.25	N	0.016	VER	ETV	OPE CML
893	SWILLENDAM	20	E28 3	34	S2 34	29	535.25	N	1E-04	VER	SBC1	OPE PBS
894	SWILLENDAM	20	E28 3	34	S2 34	26	503.25	N	1E-04	VER	SBC2	OPE PBS
895	SYKELLENHOUW	20	E28 3	34	S2 34	21	471.25	N	1E-04	VER	SBC3	OPE PBS
896	TARKASTAD	20	E15 47	32	S0 45	24	456.25	N	0.05	VER	MNET	OPL CML
897	TARKASTAD	20	E15 47	32	S0 45	36	591.25	N	0.05	VER	SBC1	OPE PBS
898	TARKASTAD	20	E15 47	32	S0 45	38	620.25	N	0.05	VER	SBC2	OPE PBS
899	TARKASTAD	20	E15 47	32	S0 45	38	620.25	N	0.05	VER	SBC3	OPE PBS
900	TARKASTAD	20	E15 47	32	S0 45	38	620.25	N	0.05	VER	MNET	OPE CML
901	THABAZIMBI 1	27	E24 36	24	S36 20	44	855.25	N	0.04	VER	MNET	OPL CML
902	THABAZIMBI 2CRI	27	E24 36	24	S36 21	42	829.25	20W	0.03	VFR	SBC3	OPE PRO
903	THABAZIMBI 2CRI 2	27	E24 36	24	S36 20	42	823.25	N	0.04	VER	SBC2	OPE PBS
904	THOMSONDOLI	30	E26 50	22	S26 57	36	667.25	ZP	5.1	VER	MNET	OPE CML
905	TOUWSRIVIER LNK	20	E2 42	33	S20 29	43	647.25	20W	0.005	VER	SBC1	OPL PBS
906	TOUWSRIVIER	20	E2 42	33	S20 29	28	527.25	20W	0.012	VER	SBC1	OPE PBS
907	TOUWSRIVIER	20	E2 42	33	S20 29	37	509.25	20W	0.012	VER	SBC3	OPE PBS

## ANNEXURE E: TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

NO	TRANSMITTER STATION NAME	GEO CO-ORDINATES		TRANSMITTER		ANTENNA		ADMINISTRATIVE RECORDS			
		LONGITUDE	LATITUDE	CH	FREQ	CFSS SLT	FREQ	POL	PROG	STAT	CAT
509	TSIKKOCEN VENDA	30° E56' 41"	22° S31' 31"	26	571.25	N	0.025	VER	SBC1	OPE	PBS
540	TSIKKOCEN VENDA	30° E56' 41"	22° S31' 31"	30	543.25	N	0.025	VER	SBC2	OPE	PBS
541	TSIKKOCEN VENDA	30° E56' 41"	22° S31' 31"	34	575.25	N	0.025	VER	SBC3	OPE	PBS
542	TSIKKOCEN VENDA	30° E56' 41"	22° S31' 31"	22	479.25	N	0.01	VER	VNET	OPE	CML
543	TUGELA FERRY	30° E26' 35"	28° S44' 38"	25	563.25	N	0.05	VER	ETV	OPE	CML
544	TUGELA FERRY	30° E26' 35"	28° S44' 38"	23	487.25	N	0.06	VER	SBC1	OPE	PBS
545	TUGELA FERRY	30° E26' 35"	28° S44' 38"	21	519.25	N	0.06	VER	SBC2	OPE	PBS
546	TUGELA FERRY	30° E26' 35"	28° S44' 38"	21	531.25	N	0.06	VER	SBC3	OPE	PBS
547	TULBAGH	25° E1 54"	33° S15' 27"	45	621.25	20P	0.005	VER	SBC3	OPE	PBS
548	TULBAGH	25° E1 54"	33° S15' 42"	42	647.25	N	0.004	VER	VNET	OPE	CML
549	TWANFEN WAKCEBAKOOF	30° E2 21"	20° S51' 16"	29	527.25	N	0.04	VER	SBC2	OPE	PBS
550	U.S.E	28° E13' 55"	31° S12' 28"	36	487.25	N	0.004	VER	ETV	OPE	CML
551	U.S.E	28° E13' 55"	31° S12' 28"	31	557.25	N	0.004	VER	SBC3	OPE	PBS
552	ULUNDI	31° E24' 8"	28° S25' 73"	30	543.25	20P	0.05	VER	ETV	OPE	CML
553	ULUNDI	31° E24' 8"	28° S26' 20"	60	481.25	20P	0.05	VER	SBC3	OPE	PBS
554	ULUNDI	31° E24' 9"	28° S26' 19"	56	575.25	20P	0.079	VER	VNET	OPE	CML
555	ULUNDI NOEVU	31° E28' 25"	28° S25' 47"	31	511.25	N	0.004	VER	SBC1	OPE	PBS
556	ULUNDI NOEVU	31° E29' 25"	28° S25' 47"	47	675.25	N	0.003	VER	SBC2	OPE	PBS
557	UNDERBERG	29° E30' 32"	29° S42' 57"	41	601.25	N	0.004	VER	SBC1	OPE	PBS
558	UNDERBERG	29° E30' 38"	29° S42' 57"	37	599.25	N	0.004	VER	SBC2	OPE	PBS
559	UNDERBERG CASTLE END	29° E16' 22"	26° S44' 47"	31	591.25	N	1.04	VER	SBC2	OPE	PBS
560	UNDERBERG DRAKENSBURG GARDE	29° E14' 47"	29° S44' 50"	29	527.25	N	0.001	VER	SBC1	OPE	PBS
561	UNDERBERG DRAKENSBURG GARDE	29° E14' 47"	29° S44' 52"	24	485.25	N	0.001	VER	SBC2	OPE	PBS
562	UNDERBERG DRAKENSBURG GARDE	29° E14' 49"	29° S44' 45"	39	615.25	N	0.001	VER	SBC2	OPE	PBS
563	UNDERBERG PIERRE MONT	29° E40' 2"	29° S42' 13"	51	511.25	N	0.006	VER	SBC2	OPE	PBS
564	UNDERBERG SAN PASS	29° E28' 47"	29° S40' 21"	21	477.25	N	0.014	VER	SBC2	OPE	PBS
565	UNDERBERG SHAW HILL	29° E31' 47"	29° S42' 3"	32	559.25	N	1.00	VER	SBC2	OPE	PBS
566	UNIONVILLE TOWN	25° E7' 36"	33° S38' 45"	34	575.25	20P	0.004	VER	ETV	OPE	CML
567	UNIONVILLE TOWN	25° E7' 36"	32° S38' 45"	22	479.25	20P	1.04	VER	SBC1	OPE	PBS
568	UNISONDALE TOWN	25° E7' 36"	32° S38' 46"	26	511.25	20P	1.04	VER	SBC3	OPE	PBS
569	UPLINGTON TOWN	21° E12' 17"	29° S30' 24"	33	557.25	20P	0.06	VER	ETV	OPE	CML
570	UPLINGTON TOWN	21° E12' 17"	29° S30' 24"	29	535.25	20P	0.1	VER	SBC3	OPE	PBS
571	UTRECHT	30° E20' 46"	27° S30' 39"	21	471.25	N	0.01	VER	VNET	OPE	CML
572	UTRECHT GOEDHOOP	30° E20' 40"	27° S42' 48"	59	775.25	N	1.001	VER	SBC1	OPE	PBS
573	UTRECHT GOEDHOOP	30° E20' 40"	27° S44' 48"	55	743.25	N	1.001	VER	SBC2	OPE	PBS
574	VANDERKLOOF	24° E44' 29"	32° S26' 13"	42	639.25	N	0.004	VER	SBC1	OPE	PBS
575	VANDERKLOOF	24° E44' 22"	30° S26' 13"	46	571.25	N	0.004	VER	SBC2	OPE	PBS
576	VANDERKLOOF	24° E44' 22"	30° S26' 13"	50	425.25	N	0.004	VER	SBC3	OPE	PBS
577	VANWYNSDORP	21° E38' 17"	30° S43' 5"	71	471.25	N	0.005	VER	SBC2	OPE	PBS
578	VICTORIA WEST	22° E5' 49"	31° S24' 26"	25	503.25	N	0.004	VER	ETV	OPE	CML
579	VICTORIA WEST	22° E6' 49"	31° S24' 26"	27	319.25	N	0.004	VER	SBC1	OPE	PBS
580	VICTORIA WEST	22° E6' 49"	31° S24' 26"	25	421.25	N	1.04	VER	SBC2	OPE	PBS
581	VICTORIA WEST	22° E6' 49"	31° S24' 26"	21	551.25	N	0.004	VER	SBC3	OPE	PBS
582	VICTORIA WEST	22° E6' 36"	31° S23' 49"	35	583.25	N	0.003	VER	VNET	OPE	CML
583	VILJERS	28° E36' 56"	27° S22' 4"	64	875.25	N	0.004	VER	SBC1	OPE	PBS
584	VILJERS	28° E36' 56"	27° S22' 4"	68	847.25	N	0.004	VER	SBC2	OPE	PBS
585	VILJERS	28° E36' 56"	27° S22' 4"	62	783.25	N	0.004	VER	SBC3	OPE	PBS
586	VILJERS	28° E36' 56"	27° S22' 4"	56	757.25	N	0.005	VER	VNET	OPE	CML
587	VILJERSDORP ELANDSKLOOF	19° E11' 43"	33° S34' 28"	21	471.25	N	0.003	VER	ETV	OPE	CML
588	VILJERSDORP ELANDSKLOOF	19° E11' 43"	33° S34' 28"	25	525.25	N	0.003	VER	SBC1	OPE	PBS
589	VILJERSDORP ELANDSKLOOF	19° E11' 43"	33° S34' 28"	25	503.25	N	0.003	VER	SBC2	OPE	PBS
590	VILJERSDORP ELANDSKLOOF	19° E11' 43"	33° S34' 28"	30	567.25	N	0.003	VER	SBC1	OPE	PBS
591	VILJERSDORP TOWN	19° E11' 58"	33° S32' 8"	31	561.25	N	0.006	VER	SBC3	OPE	PBS
592	VULKASHUST	29° E33' 10"	27° S27' 38"	37	589.25	N	0.05	VER	VNET	OPE	CML
593	WREDENBURG	10° E39' 2"	32° S33' 2"	27	209.25	20M	0.079	VER	VNET	OPE	CML
594	WREDENBURG	10° E41' 24"	31° S43' 15"	29	535.25	N	0.05	VER	ETV	OPE	CML

## ANNEXURE E: TELEVISION SELF-HELP FREQUENCY ASSIGNMENTS 2009

IND.	TRANSMITTER	GEO CO-ORDINATES		TRANSMITTER		ANTENNA	ADMINISTRATIVE RECORDS				
		STATION NAME	LONGITUDE	LATITUDE	CII	FREQ	OFFS ET	ERP	POL	PROG	STAT
395	VREDENHOU	25° E41' 24"	31° S45' 15"	25	503.25	H	0.06	VER	SBC3	DPE	PBS
396	VREDENHOU4	25° E41' 24"	31° S45' 15"	21	471.25	N	0.06	VER	MNET	DPE	CML
397	WYMBURG	24° E43' 0"	26° S36' 10"	59	721.25	TOP	0.004	VER	SBC3	DPE	PBS
398	WYMBURG	24° E43' 0"	26° S36' 10"	53	801.25	TOP	0.02	VER	MNET	DPE	CML
399	WY-HEID	30° E47' 33"	27° S44' 38"	43	647.25	N	0.21	HOP	SBC3	DPE	PBS
400	WY-HEID GROOTGROEK	31° E16' 28"	27° S49' 30"	49	639.25	N	0.002	VER	SBC1	DPE	PBS
4001	WY-HEID GROOTGROEK	31° E16' 28"	27° S50' 30"	50	721.25	N	0.003	VER	SBC2	DPE	PBS
4002	WY-MING LEMMING	30° E58' 7"	27° S55' 0"	41	631.25	N	0.002	VER	SBC2	DPE	PBS
4003	WY-HEID DOHOONJATZ GH*	31° E6' 35"	26° S10' 18"	45	671.25	N	0.001	VER	SBC3	DPE	PBS
4004	WAENHUISKRANS	25° E13' 44"	34° S49' 27"	24	436.25	N	0.005	VER	SBC3	DPE	PBS
4005	WARMERSTROOM SKIJFRAKELIP	30° E16' 23"	27° S26' 47"	49	695.25	N	0.001	VER	SBC1	DPE	PBS
4006	WARMERSTROOM SKIJFRAKELIP	30° E15' 23"	27° S25' 47"	41	621.25	N	0.001	VER	SBC3	DPE	PBS
4007	WAPSPRI	29° E56' 37"	29° S59' 2"	29	530.25	N	0.001	VER	SBC2	DPE	PBS
4008	WATERVAL BOVEN	30° E15' 45"	26° S26' 54"	59	775.25	N	0.002	VER	SBC1	DPE	PBS
4009	WATERVAL BOVEN	30° E19' 45"	25° S38' 54"	67	825.25	N	0.002	VER	SBC3	DPE	PBS
4010	WATERVAL BOVEN	30° E19' 45"	25° S38' 54"	62	807.25	N	0.002	VER	MNET	DPE	CML
4011	WELKOM N/CAPe	20° E36' 31"	26° S20' 40"	35	580.25	N	0.05	HOP	ETV	DPE	CML
4012	WELKOM N/CAPe	20° E36' 31"	26° S23' 51"	23	487.25	N	0.05	HOP	SBC1	DPE	PBS
4013	WELKOM N/CAPe	20° E36' 31"	26° S23' 51"	27	515.25	N	0.05	HOP	SBC2	DPE	PBS
4014	WELKOM N/CAPe	20° E36' 31"	26° S23' 51"	31	561.25	N	0.05	HOP	SBC1	DPE	PBS
4015	WEINMERSHOEK	19° E3' 18"	33° S51' 7"	66	631.25	N	0.004	VER	SBC1	DPE	PBS
4016	WEINMERSHOEK	19° E3' 18"	32° S51' 7"	54	735.25	N	0.004	VER	SBC2	DPE	PBS
4017	WEINMERSHOEK	19° E3' 18"	32° S51' 7"	52	767.25	N	0.004	VER	SBC3	DPE	PBS
4018	WEINMERSHOEK	19° E3' 18"	33° S51' 7"	62	799.25	N	0.004	VER	SBC3	DPE	PBS
4019	WEPPENH A/P: REDIJDAM	26° E56' 22"	29° S94' 5"	47	551.25	N	0.003	VER	SBC1	DPE	PBS
4020	WILLISTON	20° E55' 7"	31° S20' 40"	40	703.25	N	0.004	VER	ETV	DPE	CML
4021	WILLISTON	20° E55' 7"	31° S20' 40"	38	507.25	N	0.004	VER	SBC1	DPE	PBS
4022	WILLISTON	20° E55' 7"	31° S20' 40"	46	671.25	N	0.004	VER	SBC3	DPE	PBS
4023	WILLISTON GROOTMEESTERKIP	21° E19' 19"	31° S4° 11'	63	507.25	N	0.004	VER	SBC3	DPE	PBS
4024	WILLISTON HEUKAARBerg	21° E3' 25"	30° S94' 24"	23	487.25	N	0.001	VER	SBC2	DPE	PBS
4025	WILLISTON LUUKSFONTEIN	21° E7' 7"	31° S44' 51"	29	536.25	TOP	0.074	VER	SBC2	DPE	PBS
4026	WILLISTON MELLMX	21° E9' 27"	30° S4° 10"	26	511.25	N	0.005	VER	SBC3	DPE	PBS
4027	WILLOWMORE	23° E2' 56"	30° S14' 5"	53	721.25	TOP	0.221	HOP	SBC1	DPE	PBS
4028	WILLOWMORE 3	23° E25' 44"	30° S17' 23"	21	471.25	N	0.02	VER	MNET	DPE	CML
4029	WILLOWMORE 4	23° E29' 44"	32° S17' 33"	25	503.25	N	0.003	VER	SBC1	DPE	PBS
4030	WILLOWMORE 5	23° E29' 44"	30° S17' 33"	29	535.25	N	0.003	VER	SBC3	DPE	PBS
4031	WILLOWMORE STOLTJE	24° E5' 47"	33° S37' 38"	26	511.25	N	0.004	VER	SBC2	DPE	PBS
4032	WINTERTON CATHARIS PEAK	29° E25' 48"	29° S2° 15"	46	671.25	N	0.003	VER	SBC1	DPE	PBS
4033	WINTERTON CATHARIS PEAK	29° E26' 48"	29° S2° 15"	42	639.25	N	0.003	VER	SBC2	DPE	PBS
4034	WITBANK LANDAU	29° E12' 51"	29° S36' 44"	50	733.25	N	0.002	VER	SBC1	DPE	PBS
4035	WITBANK LANDAU	29° E12' 51"	29° S36' 44"	55	751.25	N	0.002	VER	SBC3	DPE	PBS
4036	WITBANK LANDAU	29° E12' 51"	29° S36' 44"	53	807.25	N	0.002	VER	SBC3	DPE	PBS
4037	WITBANK LANDAU	29° E12' 51"	29° S36' 44"	54	815.25	N	0.001	VER	MNET	DPE	CML
4038	WITDUNBERG ELLWHAZER	19° E14' 58"	33° S12' 2"	45	671.25	N	0.002	VER	SBC3	DPE	PBS
4039	WITPERTAL	19° C14' 58"	32° S12' 38"	37	595.25	N	0.004	VER	SBC2	DPE	PBS
4040	ZEERUST	26° E4' 0"	15° S32' 38"	28	527.25	TOP	0.02	VER	MNET	DPE	CML



**ANNEXURE F**  
**DTT FREQUENCY NETWORKS**

## ANNEXURE F. DTT FREQUENCY NETWORKS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES			FREQ MHz	ERP(kW)	POL	STAT	CAT
		LONGITUDE	LATITUDE	CH					
1	ALEXANDER BAY	016E29.49	28S36.32	27	522	0.1	V	SPA	DTT1
2	ALEXANDER BAY	016E29.49	28S36.32	29	533	0.1	V	SPA	DTT2
3	ALNWAL NORTH	026E34.00	30S47.05	21	474	10	H	SPA	DTT1
4	ALNWAL NORTH	026E34.00	30S47.05	25	506	10	H	SPA	DTT2
5	AMANDA GLEN	018E42.33	33S51.18	38	510	0.02	V	SPA	DTT1
6	AMANDA GLEN	018E42.33	33S51.18	50	706	0.02	V	SPA	DTT2
7	ANDRIESKRAAL	024E42.33	33S48.97	32	562	0.01	V	SPA	DTT1
8	ANDRIESKRAAL	024E42.33	33S48.97	35	594	0.01	V	SPA	DTT2
9	AURORA	018E38.29	33S45.39	38	510	0.001	V	SPA	DTT1
10	AURORA	018E38.29	33S49.39	50	706	0.001	V	SPA	DTT2
11	BARKLY EAST	027E26.00	30S51.30	27	522	0.35	V	SPA	DTT1
12	BARKLY EAST	027E25.00	30S51.30	31	554	0.35	V	SPA	DTT2
13	BEAUFORT WEST	022E30.25	32S15.29	41	634	56.1	H	SPA	DTT1
14	BEAUFORT WEST	022E30.25	32S15.29	45	666	60	H	SPA	DTT2
15	BLAARSDR	026E02.57	32S37.57	21	474	10	H	SPA	DTT1
16	BLOFORD	026E02.57	32S37.57	25	506	10	H	SPA	DTT2
17	BETHLEHEM	028E29.58	28S14.10	35	586	10	H	SPA	DTT1
18	BETHLEHEM	028E29.58	28S14.10	31	554	10	H	SPA	DTT2
19	BETHLEHEM (TOWN)	028E29.58	28S14.10	35	586	0.15	V	SPA	DTT1
20	BETHLEHEM (TOWN)	028E29.58	28S14.10	31	554	0.155	V	SPA	DTT2
21	BLIZZVALLEY	028E05.04	26S11.41	34	738	0.07	V	SPA	DTT1
22	BLIZZVALLEY	028E05.04	26S11.41	56	770	0.07	V	SPA	DTT2
23	BLOEWONTEIN	026E13.50	29S06.13	52	722	100	H	SPA	DTT1
24	BLOEWONTEIN	026E13.50	29S06.13	55	748	100	H	SPA	DTT2
25	BLOUBERG	028E59.12	23S04.19	37	602	2	V	SPA	DTT1
26	BLOUBERG	028E59.12	23S04.19	41	634	2	V	SPA	DTT2
27	BOESMANSKOP	027F12.56	30S00.28	35	586	10	H	SPA	DTT1
28	BOESMANSKOP	027E12.56	30S00.28	29	528	10	H	SPA	DTT2
29	BRONKHORSTWJH	028E43.08	25S46.13	32	582	0.2	V	SPA	DTT1
30	BRONKHORSTWJH	028F43.38	25S45.13	34	578	0.2	V	SPA	DTT2
31	BURGERSDORP	026E20.21	31S00.02	47	642	0.1	V	SPA	DTT1
32	BURGERSDORP	026E20.21	31S00.02	51	714	0.1	V	SPA	DTT2
33	BURGERSFORT	030E19.48	24S40.05	33	570	50	H	SPA	DTT1
34	BURGERSFORT	030E19.48	24S40.05	29	538	50	H	SPA	DTT2
35	BUTTERWORTH	028E12.25	32S16.35	20	490	10	H	SPA	DTT1
36	BUTTERWORTH	028E12.25	32S15.35	27	522	10	H	SPA	DTT2
37	CALA	027E45.02	31S33.15	46	674	10	V	SPA	DTT1
38	CALA	027L41.02	31S33.15	48	690	10	V	SPA	DTT2
39	CALVINIA	018E46.57	24S23.02	24	498	10	H	SPA	DTT1
40	CALVINIA	018E46.57	24S23.02	26	514	10	H	SPA	DTT2
41	CAPE TOWN	018E23.15	34S03.15	38	610	20	V	SPA	DTT1
42	CAPE TOWN	018E23.15	34S03.15	50	706	20	V	SPA	DTT2
43	CAROLINA	030E37.57	26S10.37	64	819	10	H	SPA	DTT1
44	CAROLINA	030E37.57	26S10.37	66	834	10	H	SPA	DTT2
45	CERES	019L27.32	33S15.10	25	506	10	V	SPA	DTT1
46	CERFS	019E27.32	33S15.10	33	570	10	V	SPA	DTT2
47	CHRISTIANA	024E55.50	27S53.03	56	754	1	H	SPA	DTT1
48	CHRISTIANA	024E55.50	27S52.03	60	786	1	H	SPA	DTT2

## ANNEXURE F: DTT FREQUENCY NETWORKS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		CH	FREQ MHz	ERP(kW)	POL	STAT	CAT
		LONGITUDE	LATITUDE						
49	CLIFTON	018E22.37	33S56.30	38	510	0.01	H	SPA	DTT1
50	CLIFTON	018E22.37	33S56.30	50	706	0.01	H	SPA	DTT12
51	COLESBERG	025E03.26	30S42.00	27	522	0.5	V	SPA	DTT1
52	COLLSBERG	025E03.28	30S42.30	31	554	0.5	V	SPA	DTT2
53	CRADOCK	025E32.27	32S18.01	44	658	10	H	SPA	DTT1
54	CRADOCK	025E32.27	32S18.01	35	586	10	H	SPA	DTT2
55	DAVEL	029E37.26	26S27.30	40	626	50	H	SPA	DTT1
56	DAVEL	029E37.26	26S27.30	44	658	50	H	SPA	DTT2
57	DE AAR	020E59.16	30S27.49	56	754	50	H	SPA	DTT1
58	DE AAR	020E59.16	30S27.49	60	786	50	H	SPA	DTT2
59	DEBEERSMILS	022E12.00	26S36.00	54	708	50	H	SPA	DTT1
60	DEDEKONGNU	022E12.00	26S36.00	55	770	50	H	SPA	DTT2
61	DESPATCH	025E25.29	33S45.53	45	666	0.2	V	SPA	DTT1
62	DESPATCH	025E25.29	33S45.53	26	590	0.2	V	SPA	DTT2
63	DEWETSDRP	020E39.37	29S34.44	62	812	0.01	V	SPA	DTT1
64	DEWETSDRP	020E39.37	29S34.44	66	844	0.01	V	SPA	DTT2
65	DONNVERDOK	029E51.19	29S54.56	64	818	10	H	SPA	DTT1
66	DUNNVERDOK	029E51.19	29S54.56	68	850	10	H	SPA	DTT2
67	DORINGKRUIN	026E41.00	26S49.05	24	498	1	V	SPA	DTT1
68	DORINGKRUIN	026E41.00	26S49.05	28	530	1	V	SPA	DTT2
69	DOUGLAS	023C31.49	29S04.44	56	746	50	H	SPA	DTT1
70	DOUGLAS	023F31.49	29S04.44	59	778	50	H	SPA	DTT2
71	DULLSTROOM	030E11.17	25S34.21	57	762	5	H	SPA	DTT1
72	DULLSTROOM	030E11.17	25S34.21	51	714	5	H	SPA	DTT2
73	DURBAN	030E43.00	29S46.11	46	674	100	H	SPA	DTT1
74	DURBAN	030E43.00	29S46.11	50	706	100	H	SPA	DTT2
75	DURBAN NORTH	03'E02.24	29S45.52	46	674	1	V	SPA	DTT1
76	DURBAN NORTH	03'E02.24	29S45.52	50	706	1	V	SPA	DTT2
77	DUMARA	030E16.47	22S49.05	36	594	1	V	SPA	DTT1
78	DZAMBA	03CE18.41	22S49.05	32	562	1	V	SPA	DTT2
79	EAST LONDON	027E48.58	32S56.20	58	770	50	H	SPA	DTT1
80	EAST LONDON	027E48.58	32S56.20	62	802	50	H	SPA	DTT2
81	ELANDS HEIGHT	028E07.10	30S47.44	47	682	10	V	SPA	DTT1
82	ELANDS HEIGHT	028E07.10	30S47.44	26	544	10	V	SPA	DTT2
83	ELLIOT	027E55.57	31S13.36	62	802	0.4	V	SPA	DTT1
84	ELLIOOT	027E55.57	31S13.36	68	834	0.4	V	SPA	DTT2
85	ELLISRAS	027E05.45	23S42.22	25	506	0.24	V	SPA	DTT1
86	ELLISRAS	027E05.46	23S42.22	25	538	0.24	V	SPA	DTT2
87	EMPANGENI	031F53.30	28S44.40	80	786	0.05	V	SPA	DTT1
88	EMPANGENI	031E53.30	28S44.40	56	754	0.05	V	SPA	DTT2
89	ENGCOBO	028E00.34	31S39.20	44	658	10	V	SPA	DTT1
90	ENGCOBO	028E00.34	31S39.20	48	590	10	V	SPA	DTT2
91	ENTSHATSHONDO	028E40.10	32S08.39	23	490	50	V	SPA	DTT1
92	ENTSHATSHONDO	028E40.10	32S08.39	27	522	50	V	SPA	DTT2
93	ENZELSBURG	026E13.10	25S25.07	54	738	2	H	SPA	DTT1
94	ENZELSBURG	026E13.10	25S25.07	58	770	2	H	SPA	DTT2
95	ERWELO	029E59.57	26S30.35	57	762	0.05	V	SPA	DTT1
96	FRICEDO	029L59.57	26S30.35	61	794	0.05	V	SPA	DTT2

## ANNEXURE F. DTT FREQUENCY NETWORKS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES		CH	FREQ MHZ	ERP(W)	POL	STAT	CAT
		LONGITUDE	LATITUDE						
97	ESHOWE	031E17.01	28551.29	56	764	10	H	SPA	DTT1
98	ESHOWE	031E17.07	28551.29	60	766	10	H	SPA	DTT2
99	ESTGOURT	029EE1.56	28500.55	22	462	0.06	V	SPA	DTT1
100	ESTICOUKI	029E01.56	28500.55	47	682	0.06	V	SPA	DTT2
101	FAANS GROVE	022E24.18	27505.55	46	625	50	H	SPA	DTT1
102	FAANS GROVE	022E24.18	27505.59	44	658	50	H	SPA	DTT2
103	FICKSBURG TOWN	027E51.27	28552.36	41	634	0.05	V	SPA	DTT1
104	FICKSBURG TOWN	027E51.27	28552.36	49	698	0.05	V	SPA	DTT2
105	FISHOEK	018E26.12	34508.59	38	610	0.1	V	SPA	DTT1
106	FISHOEK	018E26.12	34508.59	50	706	0.1	V	SPA	DTT2
107	FRANSCHHOEK	019E04.26	33554.26	63	810	1	V	SPA	DTT1
108	FRANSCHHOEK	019E04.26	33554.26	67	842	1	V	SPA	DTT2
109	GABA	030E42.25	22547.02	36	594	4	V	SPA	DTT1
110	GABA	030E42.25	22547.02	37	562	4	V	SPA	DTT2
111	GANYESA	024E16.00	26536.12	30	546	30	H	SPA	DTT1
112	GANYESA	024E16.00	26536.12	34	578	30	H	SPA	DTT2
113	GA-RANKUWA	028E01.25	25536.12	54	738	12.5	V	SPA	DTT1
114	GA-RANKUWA	028E01.25	25536.12	58	770	12.5	V	SPA	DTT2
115	GARIES	018E34.43	30518.52	54	738	50	H	SPA	DTT1
116	GARIES	018E34.43	30518.52	58	770	50	H	SPA	DTT2
117	GEORG	022E27.04	33555.38	54	818	112	H	SPA	DTT1
118	GEORGE	022E27.04	33555.38	58	850	112	H	SPA	DTT2
119	GLENCOE	029E56.51	28509.34	48	690	10	H	SPA	DTT1
120	GLENCOE	029E56.51	28509.34	52	722	10	H	SPA	DTT2
121	GRAAFF-REINET	024E27.04	32504.44	32	562	20	H	SPA	DTT1
122	GRAAFF-REINET	024E27.04	32504.44	36	594	20	H	SPA	DTT2
123	GRABOUW	018E58.03	34506.05	36	610	0.5	V	SPA	DTT1
124	GRABOUW	018E58.03	34506.05	50	706	0.5	V	SPA	DTT2
125	GRAHAMSTOWN	026E42.31	30517.15	50	706	20	H	SPA	DTT1
126	GRAHAMSTOWN	026E42.31	30517.15	46	674	20	H	SPA	DTT2
127	GREYTOWN	030E32.10	29500.46	58	770	10	H	SPA	DTT1
128	GREYTOWN	030E32.10	29500.46	62	802	10	H	SPA	DTT2
129	GREYTOWNDORP	030E36.48	29502.05	58	770	-	V	SPA	DTT1
130	GREYTOWNDORP	030E36.48	29502.05	62	802	1	V	SPA	DTT2
131	GROOT BRAKRIEM	022E13.00	34502.01	31	554	0.025	V	SPA	DTT1
132	GROOT BRAKRIEM	022E13.00	34502.01	39	618	0.025	V	SPA	DTT2
133	GROOT MARICO	026E26.08	25537.11	47	582	0.2	V	SPA	DTT1
134	GROOT MARICO	026E26.08	25537.11	51	714	0.2	V	SPA	DTT2
135	GROOTDERM	017E35.00	28526.00	27	522	1	H	SPA	DTT1
136	GROOTDERM	017E35.00	28526.00	29	538	1	H	SPA	DTT2
137	HABERMERTSBURG	029E56.48	23559.54	23	490	20	H	SPA	DTT1
138	HABERMERTSBURG	029E56.48	23559.54	27	522	20	H	SPA	DTT2
139	HAMAKUYA	030E48.21	22541.49	36	594	0.2	V	SPA	DTT1
140	HAMAKUYA	030E48.21	22541.49	32	562	0.2	V	SPA	DTT2
141	HANKEY	024E52.19	30549.52	36	554	0.04	V	SPA	DTT1
142	HANKEY	024E52.19	30549.52	51	714	0.04	V	SPA	DTT2
143	HARRISMITH	029E06.25	28515.18	46	626	50	V	SPA	DTT1
144	HARRISMITH	029E06.25	28515.18	44	658	50	V	SPA	DTT2

## ANNEXURE F: DTT FREQUENCY NETWORKS 2009

NO	TRANSMITTING STATION NAME	GEO CO-ORDINATES			FREQ MHz	ERP(kW)	POL	STAT	GAT
		LONGITUDE	LATITUDE	CH					
145	HECTORSPLUIT	031E36 20	26S25 47	30	546	0.601	V	SPA	DTT1
146	HECTORSPLUIT	031E36 20	26S28 47	34	578	0.631	V	SPA	DTT2
147	HEIDELBERG	028E20 53	26S29 15	42	642	0.1		SPA	DTT1
148	HEIDELBERG	028E20 53	26S29 19	50	706	0.1		SPA	DTT2
149	HEIDERKAJ'N	027E51 32	26S06 05	54	738	1		SPA	DTT1
150	HEIDERKAJ'N	027E51 32	26S06 06	58	770	1	V	SPA	DTT2
151	HERMANUS	019E13 18	34S24 47	26	514	0.6	V	SPA	DTT1
152	HERMANUS	019E13 18	34S24 47	30	546	0.6	V	SPA	DTT2
153	HEXRIVER	019E39 23	23S30 54	37	562	0.1	V	SPA	DTT2
154	HEXRIVER	019E39 23	23S30 54	41	634	0.1	V	SPA	DTT1
155	HOEDSPRUIT	030E52 08	24S32 30	21	674	5	H	SPA	DTT1
156	HOEDSPRUIT	030E52 08	24S32 30	25	506	5	H	SPA	DTT2
157	HOLY CROSS	029E38 25	31S07 56	62	802	30	V	SPA	DTT1
158	HOLY CROSS	029E38 25	31S07 56	64	618	30	V	SPA	DTT2
159	HOJAMOED	019E53 00	29S12 00	35	556	50	H	SPA	DTT2
160	HOUT BAY	018E20 56	34S00 44	38	610	4	V	SPA	DTT1
161	HOWICK	030E13 52	29S30 13	45	674	0.008	V	SPA	DTT1
162	HOWICK	030E13 52	29S30 13	50	706	0.008	V	SPA	DTT2
163	ITSOGENG	026E55 18	25S04 30	59	772	33	V	SPA	DTT1
164	ITSOSFNG	026E55 18	26S04 30	63	870	33	V	SPA	DTT2
165	JOHANNESBURG	028E30 26	25S11 31	54	738	120	H	SPA	DTT1
166	JOHANNESBURG	028E30 26	25S11 31	58	770	120	H	SPA	DTT2
167	KALAHARI	021F40 00	27S21 00	26	500	20	H	SPA	DTT1
168	KALAHARI	021F40 00	27S21 00	36	554	20	H	SPA	DTT2
169	KAREFOOLW	024E25 48	34S01 28	40	626	5	H	SPA	DTT1
170	KAREFOOLW	024E25 48	34S01 29	48	690	5	H	SPA	DTT2
171	KIESL	027E08 00	23S52 00	53	730	10	H	SPA	DTT1
172	KIESL	027E08 00	23S52 00	57	762	10	H	SPA	DTT2
173	KIMBERLEY	024E54 19	28S51 14	28	530	10	H	SPA	DTT1
174	KIMBERLEY	024L04 18	28S51 14	36	594	50	H	SPA	DTT2
175	KING WILLIAMS TOWN	027E15 36	32S40 44	49	688	10	H	SPA	DTT1
176	KING WILLIAMS TOWN	027F15 36	32S40 44	45	666	50	H	SPA	DTT2
177	KIRKWOOD	026E38 53	33S23 22	26	514	0.02	V	SPA	DTT1
178	KIRKWOOD	026E38 53	33S23 22	34	578	0.02	V	SPA	DTT2
179	KLEINMOND	019E08 28	34S23 15	36	546	0.8	V	SPA	DTT1
180	KLEINMOND	019E08 28	34S23 15	26	514	0.8	V	SPA	DTT2
181	KLERKSDORP	026E24 29	26S45 14	56	754	10	H	SPA	DTT1
182	KLERKSDORP	026E24 29	26S45 14	60	786	10	H	SPA	DTT2
183	KLIJVORDAM	027L45 42	25S09 58	36	594	0.01	V	SPA	DTT1
184	KLIJVORDAM	027L45 42	25S09 58	32	562	0.01	V	SPA	DTT2
185	KNYSNA	023E02 35	34S04 18	24	498	0.5	V	SPA	DTT1
186	KNYSNA	023E02 35	34S04 18	28	530	0.5	V	SPA	DTT2
187	KOKSTAD	029E29 24	30S30 42	26	514	0.4	V	SPA	DTT1
188	KOKSTAD	029E29 24	30S30 42	30	546	0.4	V	SPA	DTT2
189	KROONSTAD	027E11 10	27S25 16	25	506	20	H	SPA	DTT1
190	KROONSTAD	027E11 10	27S25 16	29	538	20	H	SPA	DTT2
191	KURUMAN	023F18 49	27S21 05	23	490	5	H	SPA	DTT1
192	KURUMAN	023E18 49	27S21 05	27	522	5	H	SPA	DTT2

## ANNEXURE F: DTT FREQUENCY NETWORKS 2009

NO	TRANSMITTERING	GEO. CO-ORDINATES			FREQ	ERP(kW)	POL	STAT	CAT
		STATION NAME	LONGITUDE	LATITUDE					
193	KURUMAN HILLS	023E33.38	27550.19	23	490	20	H	SPA	DTT1
194	KURUMAN HILLS	023E33.38	27550.13	27	520	20	H	SPA	DTT2
195	KUTAMA	029E37.31	23502.19	26	514	0.1	V	SPA	DTT1
196	KUTAMA	029E37.31	23502.19	30	546	0.1	V	SPA	DTT2
197	LADISMITH (CAPE)	021E25.20	33537.54	30	546	10	H	SPA	DTT1
198	LADISMITH (CAPE)	021E25.20	33537.54	34	572	10	H	SPA	DTT2
199	LADYBRAAND	027E22.42	295'0.19	32	562	1	H	SPA	DTT1
200	LADYBRAAND	027E22.42	295'0.18	36	594	1	H	SPA	DTT2
201	LADYSMITH	029E47.19	28535.23	38	610	1	V	SPA	DTT1
202	LADYSMITH	029E47.19	28535.23	46	674	1	V	SPA	DTT2
203	LINMEYER	028E34.16	265'6.06	34	738	0.1	V	SPA	DTT1
204	LINMEYER	028E34.16	265'6.06	58	770	0.1	V	SPA	DTT2
205	LOMBAARDSVLAKTE	022E15.00	28520.15	55	746	10	H	SPA	DTT1
206	LOMBAARDSVLAKTE	022E15.00	28520.15	59	778	10	H	SPA	DTT2
207	LOSKOP	029E12.42	28539.41	47	662	1413	V	SPA	DTT1
208	LOSKOP	029E12.42	28539.41	36	594	1	V	SPA	DTT2
209	LOUIS TRICHARDT	029E45.26	23500.02	26	514	100	V	SPA	DTT1
210	LOUIS TRICHARDT	029E45.26	23500.02	30	546	100	V	SPA	DTT2
211	LOUWSBURG	031E16.32	27533.44	46	674	14.12	V	SPA	DTT1
212	LOUWSBURG	031E16.32	27533.44	56	706	14.12	V	SPA	DTT2
213	LYDENBURG	030E26.04	25506.19	26	514	0.04	V	SPA	DTT1
214	LYDENBURG	030E26.04	25506.19	30	546	0.04	V	SPA	DTT2
215	MASGPANF	028E03.48	25530.57	54	738	1	V	SPA	DTT1
216	MABOPANE	029E03.48	25530.57	58	770	1	V	SPA	DTT2
217	MADIBOGO	025E15.14	26527.24	59	778	4	H	SPA	DTT1
218	MADIBOGO	025E15.14	26527.24	63	810	4	H	SPA	DTT2
219	MAKAIDIMA	025E49.23	25526.47	54	738	12	H	SPA	DTT1
220	MAKAIDIMA	025E49.23	25526.47	58	770	12	H	SPA	DTT2
221	MALAMBA	030E15.09	22553.56	36	594	0.08	V	SPA	DTT1
222	MALAMBA	030E15.09	22553.56	37	562	0.08	V	SPA	DTT2
223	MATATIELE	028E49.19	30523.45	46	674	10	H	SPA	DTT1
224	MATATIELE	028E49.19	30523.45	50	706	10	H	SPA	DTT2
225	MATJIESFONTEIN	020E30.20	33516.52	47	682	10	H	SPA	DTT1
226	MATJIESFONTEIN	020E30.20	33516.52	51	714	10	H	SPA	DTT2
227	MBAZINI	031E54.53	25562.25	52	802	2	V	SPA	DTT1
228	MBUZINI	031E54.53	25562.26	56	834	2	V	SPA	DTT2
229	MENCO PARK	020F16.09	25548.15	54	738	3.04	V	SPA	DTT1
230	MENLO PARK	028E16.09	25546.15	58	770	3.04	V	SPA	DTT2
231	MIDDLBURG	029E23.24	25549.34	60	786	50	H	SPA	DTT1
232	MIDDLBURG	029E23.24	25549.34	56	754	50	H	SPA	DTT2
233	NAER	020F18.15	26541.30	53	730	50	24	SPA	DTT1
234	NAER	020F18.15	26541.30	57	762	50	24	SPA	DTT2
235	NMARATHO	025E06.46	25550.22	24	498	20	V	SPA	DTT1
236	NMARATHO	025E06.46	25550.22	30	594	20	V	SPA	DTT2
237	MOGWASE	027E16.00	25510.26	62	802	33	V	SPA	DTT1
238	MOGWASE	027E16.00	25510.26	66	834	33	V	SPA	DTT2
239	MOLEMA	030E02.40	23518.38	58	770	0.2	V	SPA	DTT1
240	MOLEMA	030E02.40	23518.38	62	802	0.2	V	SPA	DTT2

## ANNEXURE F. DTT FREQUENCY NETWORKS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES			FREQ MHz	ERP(kW)	POL	STAT	CAT
		LONGITUDE	LATITUDE	CH					
241	MONDEOR	027E59.52	26S16.52	54	738	0.07	V	SPA	DTT1
242	MONDEOR	027E59.52	26S16.52	58	770	0.02	V	SPA	DTT2
243	MONTAGU	020E08.37	33S47.16	26	514	0.05	V	SPA	DTT1
244	MONTAGU	020E08.37	33S47.16	30	546	0.05	V	SPA	DTT2
245	MOOI RIVER	029E52.04	29S15.07	47	682	10	H	SPA	DTT1
246	MOOI RIVER	029E52.04	29S15.07	87	842	10	H	SPA	DTT2
247	MORETELETS	026E42.12	25S17.48	26	514	35	V	SPA	DTT1
248	MORETELETS	026E42.12	25S17.48	34	578	35	V	SPA	DTT2
249	MOTSWEDI	025E52.18	25S16.55	54	738	7	V	SPA	DTT1
250	MOTSWEDI	025E52.18	25S16.55	58	770	7	V	SPA	DTT2
251	MOUNT AYLIFF	025E23.41	30S50.11	62	800	10	H	SPA	DTT1
252	MOUNT AYLIFF	025E23.41	30S50.11	64	818	10	H	SPA	DTT2
253	MOUNT FLETCHER	026E30.41	30S50.11	47	682	1	H	SPA	DTT1
254	MOUNT FLETCHER	026E30.41	30S50.11	26	514	1	H	SPA	DTT2
255	MULBARTON	026E03.56	26S17.36	54	738	0.03	V	SPA	DTT1
256	MULBARTON	026E03.56	26S17.36	58	770	0.03	V	SPA	DTT2
257	NAPIER	019E53.33	34S31.45	42	842	1	H	SPA	DTT1
258	NAPIER	019E53.33	34S31.45	46	874	1	H	SPA	DTT2
259	NELSPRUIT	030E46.35	26S30.55	54	738	10	H	SPA	DTT1
260	NELSPRUIT	030E46.35	26S30.55	58	770	10	H	SPA	DTT2
261	NEWCASTLE	029E57.12	27S43.07	37	602	1	V	SPA	DTT1
262	NEWCASTLE	029E57.12	27S43.07	41	634	1	V	SPA	DTT2
263	NGAKGULLANE	028E48.31	31S37.16	41	634	0.2	H	SPA	DTT1
264	NGANGUZWE	026E48.31	31S37.16	34	578	0.2	H	SPA	DTT2
265	NOEYEPUT	020E18.30	27S36.00	30	546	10	H	SPA	DTT1
266	NOENEPUT	020E18.30	27S35.00	34	578	10	H	SPA	DTT2
267	NONOMA	031E39.27	27S54.16	33	570	10	H	SPA	DTT1
268	NONOMA	031E39.27	27S54.16	31	554	10	H	SPA	DTT2
269	NOUPORT	024E46.01	31S18.14	33	570	1	H	SPA	DTT1
270	NOUPORT	024E46.01	31S18.14	37	602	1	H	SPA	DTT2
271	NOULENI	029E07.34	31S45.57	41	634	10	V	SPA	DTT1
272	NOULENI	029E07.34	31S45.57	34	578	10	V	SPA	DTT2
273	NOVUTU	030E40.42	26S15.43	63	810	15.1	V	SPA	DTT1
274	NOVUTU	030E40.42	26S15.43	40	626	15.1	V	SPA	DTT2
275	NY-STROOM	028E25.59	24S47.56	22	482	1	V	SPA	DTT1
276	NYLSTROOM	028E25.59	24S47.56	26	514	1	V	SPA	DTT2
277	OUTSHOORN	022E16.02	33S40.16	40	626	100	H	SPA	DTT1
278	OUTSHOORN	022E16.02	33S40.16	48	690	100	H	SPA	DTT2
279	OVERPORT	030E50.54	29S50.00	48	874	13	V	SPA	DTT1
280	OVHLPORT	030E50.54	29S50.02	50	706	13	V	SPA	DTT2
281	PAARL	018E56.24	33S42.53	38	610	2.5	V	SPA	DTT1
282	PAARL	018E56.24	33S42.53	50	736	2.5	V	SPA	DTT2
283	PANKOP	028E24.16	25S08.44	64	818	20	H	SPA	DTT1
284	PANKOP	028E24.16	25S08.44	58	850	20	H	SPA	DTT2
285	PATENSIE	024E49.43	33S45.37	36	594	0.01	V	SPA	DTT1
286	PATENSIE	024E49.43	33S45.37	51	714	0.01	V	SPA	DTT2
287	PAUL SAUER DAM	024E33.43	33S45.13	36	594	0.02	V	SPA	DTT1
288	PAUL SAUER DAM	024E33.43	33S45.13	51	714	0.02	V	SPA	DTT2

## ANNEXURE F: DTT FREQUENCY NETWORKS 2009

NO	TRANSMITTERING STATION NAME	GEO. CO-ORDINATES		CH	FREQ MHz	ERP(kW)	POL	STAT	CAT
		LONGITUDE	LATITUDE						
289	PETERSTEYN	028E19.06	27S31' 00	35	504	10	H	SPA	DTT1
290	PETERSTEYN	028E19.06	27S31' 00	34	578	10	H	SPA	DTT2
291	PHAROMWA	031E06.24	23S57.02	26	514	0.2	V	SPA	DTT1
292	PHAROMWA	031E06.24	23S57.02	30	546	0.2	V	SPA	DTT2
293	PIET PLESSIS	024E49.55	26S14.56	45	574	10	H	SPA	DTT1
294	PIET PLESSIS	024E49.55	26S14.56	23	490	10	H	SPA	DTT2
295	PIET RETIEF	030E41.03	27S01' 11	56	754	10	H	SPA	DTT1
296	PIET RETIEF	030E41.03	27S01' 11	60	786	10	H	SPA	DTT2
297	PILGRIMSBURG	030E19.49	29S34.47	46	674	1	V	SPA	DTT1
298	PIFFERMARITZBURG	030E19.49	29S34.47	50	706	1	V	SPA	DTT2
299	PIKETBERG	018E44.19	32S49.09	29	535	10	H	SPA	DTT1
300	PIKETBERG	018E44.19	32S45.09	31	554	10	H	SPA	DTT2
301	PILANESBERG	027E05.36	25S21.07	57	762	16	V	SPA	DTT1
302	PILANESBERG	027E05.36	25S21.07	65	836	16	V	SPA	DTT2
303	PLETTENBERG BAY	023E22.30	34S00.32	47	682	0.125	V	SPA	DTT1
304	PLETTENBERG BAY	023E22.30	34S00.32	51	714	0.125	V	SPA	DTT2
305	POFADDER	018E56.25	28S14.30	55	746	10	H	SPA	DTT1
306	POFADDER	018E56.25	28S14.30	59	778	10	H	SPA	DTT2
307	POMFACY	023E34.44	25S49.52	40	626	1	V	SPA	DTT1
308	POMFRET	023E34.44	25S49.52	44	658	1	V	SPA	DTT2
309	PONGOLA	031E39.00	27S31.34	39	618	0.2	V	SPA	DTT1
310	PONGOLA	031E39.00	27S31.34	43	656	0.2	V	SPA	DTT2
311	PORT ELIZABETH	025E26.29	33S56.10	45	666	112	H	SPA	DTT1
312	PORT ELIZABETH	025E26.29	33S56.10	49	698	112	H	SPA	DTT2
313	PORT ELIZABETH CIT	025E36.31	33S56.28	45	666	2	V	SPA	DTT1
314	PORT ELIZABETH CIT	025E36.31	33S55.28	49	698	2	V	SPA	DTT2
315	PORT SHEPSTONE	030E17.17	30S44.07	40	626	10	H	SPA	DTT1
316	PORT SHEPSTONE	030E17.17	30S44.07	44	658	10	H	SPA	DTT2
317	PORTST JOHNS	029E31.39	31S36.39	41	634	10	H	SPA	DTT1
318	PORTST JOHNS	029E31.39	31S36.39	34	578	10	H	SPA	DTT2
319	POTCHEFSTROOM	027E04.32	26S41.46	56	754	0.1	V	SPA	DTT1
320	POTCHEFSTROOM	027E04.32	26S41.46	60	786	0.1	V	SPA	DTT2
321	POTGEETERSRUS	029E14.10	24S09.24	48	690	10	H	SPA	DTT1
322	POTGEETERSRUS	029E14.10	24S09.24	52	722	10	H	SPA	DTT2
323	PRETORIA	027E59.03	29S41.20	54	738	100		SPA	DTT1
324	PRETORIA	027E59.03	29S41.20	58	770	100	V	SPA	DTT2
325	PRETORIA NORTH	028E10.07	25S41.25	54	738	0.02	V	SPA	DTT1
326	PRETORIA NORTH	028E10.07	25S41.25	58	770	0.02	V	SPA	DTT2
327	PRIESKA	022E38.57	29S40.52	22	482	50	H	SPA	DTT1
328	PRIESKA	022E38.57	29S40.52	30	546	50	H	SPA	DTT2
329	PUNDA MARIA	030E59.19	22S43.28	32	552	10	H	SPA	DTT1
330	PUNDA MARIA	030E59.19	22S43.28	36	594	10	H	SPA	DTT2
331	QUEENSTOWN	030E51.59	28S38.03	60	786	15.1	V	SPA	DTT1
332	QUEENSTOWN	030E51.59	28S38.03	56	754	15.1	V	SPA	DTT2
333	QUEENSTOWN	026E47.05	31S43.56	25	514	50	H	SPA	DTT1
334	QUEENSTOWN	026E47.05	31S43.56	30	546	50	H	SPA	DTT2
335	QUEENSTOWN (DORP)	026E47.05	31S43.56	26	514	0.1	H	SPA	DTT1
336	QUEENSTOWN (DORP)	026E47.05	31S43.56	30	546	0.1	H	SPA	DTT2

## ANNEXURE F: DTT FREQUENCY NETWORKS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES			FREQ MHz	ERP(kW)	POL	STAT	CAT
		LONGITUDE	LATITUDE	CH					
337	RICHARDS BAY	032E06'24	28S47'10	60	760	0.13	V	SPA	DTT1
338	RICHARDS BAY	032E06'24	28S47'10	56	754	0.13	V	SPA	DTT2
339	RIVERSDALE	021E07'41	24S01'07	32	562	20	H	SPA	DTT1
340	RIVERSDALE	021E07'41	24S01'07	36	594	20	H	SPA	DTT2
341	RUSTENBURG	027E07'05	25S36'56	45	666	5	II	SPA	DTT1
342	RUSTENBURG	027E07'06	25S36'56	53	730	5	H	SPA	DTT2
343	RUSTENBURG (CASH)	027E07'06	25S36'56	45	666	0.1	H	SPA	DTT1
344	RUSTENBURG (CASH)	027E07'06	25S36'56	53	730	0.1	H	SPA	DTT2
345	SABIE	030E45'34	25S07'44	23	490	0.1	V	SPA	DTT1
346	SABIE	030E45'34	25S07'44	27	522	0.1	V	SPA	DTT2
347	SASOLBURG	027E49'35	26S47'45	37	602	0.05	V	SPA	DTT1
348	SASOLBURG	027E49'35	26S47'45	45	666	0.05	V	SPA	DTT2
349	SCHEESELER REENEKE	028E13'07	27S08'13	21	474	100	H	SPA	DTT1
350	SCHWEIZER RONKEL	029E13'07	27S08'13	43	626	10	H	SPA	DTT2
351	SEA POINT	018E23'5'	33S54'33	36	610	0.4	V	SPA	DTT1
352	SEA POINT	018E23'5'	33S54'33	50	706	0.4	V	SPA	DTT2
353	SECUNDARIA	029E12'10	26S29'40	44	658	0.1	V	SPA	DTT1
354	SECUNDA	029E12'10	26S29'40	49	626	0.1	V	SPA	DTT2
355	SENEKAL	027E30'26	25S15'19	50	706	10	H	SPA	DTT1
356	SENEKAL	027E30'26	25S15'19	62	738	1	H	SPA	DTT2
357	SEVERN	023E04'00	26S24'00	42	890	10	H	SPA	DTT1
358	SILVERN	023E04'00	26S24'00	52	722	10	H	SPA	DTT2
359	SHANZHA	030E14'00	22S57'36	36	584	2	V	SPA	DTT1
360	SHANZHA	030E14'00	22S57'36	37	562	2	V	SPA	DTT2
361	SIBASA	030E26'54	22S56'57	36	584	2	V	SPA	DTT1
362	SIBASA	030E26'54	22S56'57	37	582	0	V	SPA	DTT2
363	SIMONSTOWN	018E25'37	34S11'54	36	610	0.25	V	SPA	DTT1
364	SIMONSTOWN	018E25'37	34S11'54	50	706	0.25	V	SPA	DTT2
365	SMITHFIELD	026E21'56	29S55'43	29	536	50	H	SPA	DTT1
366	SMITHFIELD	026E21'56	29S55'43	56	778	50	H	SPA	DTT2
367	SOMERSET EAST	025E34'41	32S42'45	81	794	0.05	V	SPA	DTT1
368	SOMERSET EAST	025E34'41	32S42'45	85	826	0.05	V	SPA	DTT2
369	SPRINGBOK	017E48'29	28S35'04	21	474	10	H	SPA	DTT1
370	SPRINGBOK	017E48'29	28S35'04	25	506	10	II	SPA	DTT2
371	SPRINGFONTEIN	025E45'08	30S16'14	42	642	10	H	SPA	DTT1
372	SPRINGFONTEIN	025E45'08	30S16'14	45	574	10	H	SPA	DTT2
373	STANDERTON	029E12'51	26S57'37	42	642	0.1	V	SPA	DTT1
374	STANDERTON	029E12'51	26S57'37	46	674	0.1	V	SPA	DTT2
375	STEINKOPF	017E35'00	29S05'00	36	610	10	H	SPA	DTT1
376	STEINKOPF	017E35'00	29S05'00	42	642	10	H	SPA	DTT2
377	STELLENBOSCH	018E52'11	33S54'56	56	610	0.5	V	SPA	DTT1
378	STELLENBOSCH	018E52'11	33S54'56	50	706	0.5	V	SPA	DTT2
379	STERKSPRUIT	021E16'14	30S41'44	45	666	20	V	SPA	DTT1
380	STERKSPRUIT	021E16'14	30S41'44	49	698	20	V	SPA	DTT2
381	STRAALHOEK	029E50'53	30S20'49	51	714	10	V	SPA	DTT1
382	STRAALHOEK	029E50'53	30S20'49	54	738	10	V	SPA	DTT2
383	SUIDRAND (KROONST)	027E34'16	27S41'18	21	506	0.25	V	SPA	DTT1
384	SUIDRAND (KROONST)	027E34'16	27S41'18	29	536	0.25	V	SPA	DTT2

## ANNEXURE F. DTT FREQUENCY NETWORKS 2009

NO	TRANSMITTERS	GEO. CO-ORDINATES			FREQ	ERP(kW)	POL	STAT	CAT
		STATION NAME	LONGITUDE	LATITUDE	CH	MHz			
385	SUNNYSIDE	026E12.24	26545.93	54	738	1	V	SPA	DTT1
386	SUNNYSIDE	026E12.24	26545.93	56	770	1	V	SPA	DTT2
387	SUPANGSTAD	026E01.36	24547.20	54	918	2	V	SPA	DTT1
388	SUPANGSTAD	026E01.36	24547.20	56	850	2	V	SPA	DTT2
389	SUURBERG	025E34.29	33514.55	38	610	5	H	SPA	DTT1
390	SUURBERG	025E34.29	33514.55	42	642	5	H	SPA	DTT2
391	SWARTLUUGGENS	026E48.09	25540.59	47	682	0.5	V	SPA	DTT1
392	SWARTLUUGGENS	026E48.09	25540.59	51	714	0.5	V	SPA	DTT2
393	TABLE MOUNTAIN	015E24.13	33557.25	38	610	0.2	V	SPA	DTT1
394	TABLE MOUNTAIN	015E24.13	33557.25	50	706	0.5	V	SPA	DTT2
395	TAUNG	024E37.00	27531.30	39	618	18	H	SPA	DTT1
396	TAUNG	024E37.00	27531.30	51	714	18	H	SPA	DTT2
397	THABANCHU	026E45.45	29515.24	63	810	20	H	SPA	DTT1
398	THABANCHU	026E45.45	29515.24	67	842	20	H	SPA	DTT2
399	THABAZIMBI	027E36.51	24527.50	46	674	10	H	SPA	DTT1
400	THABAZIMBI	027E36.51	24527.50	50	706	10	H	SPA	DTT2
401	TME BLUFF	031E00.45	29554.40	45	674	25	V	SPA	DTT1
402	TME BLUFF	031E00.45	29554.40	50	706	25	V	SPA	DTT2
403	THEUNISSEN	026E34.50	28511.55	39	546	10	H	SPA	DTT1
404	THEUNISSEN	026E34.50	28511.55	34	578	10	H	SPA	DTT2
405	THLABANE	027E11.39	25527.16	45	666	0.2	V	SPA	DTT1
406	THLABANE	027E11.39	25527.16	53	730	1.3	V	SPA	DTT2
407	TOHL	028E27.29	23504.58	47	682	16	V	SPA	DTT1
408	TOHWE	028E27.29	23504.58	51	714	16	V	SPA	DTT2
409	TOHWRIVER	020E01.12	33520.59	32	562	0.02	V	SPA	DTT1
410	TOHWRIVER	020E01.12	33520.59	36	594	0.02	V	SPA	DTT2
411	TSHANAVUDZI	030E31.42	22539.15	36	564	0.25	V	SPA	DTT1
412	TSHANAVUDZI	030E31.42	22539.15	32	562	0.25	V	SPA	DTT2
413	TYGERBERG	018E35.48	33552.20	38	610	2	V	SPA	DTT1
414	TYGERBERG	018E35.48	33552.20	50	706	2	V	SPA	DTT2
415	TZANEEN	030E00.17	23542.06	58	710	20	H	SPA	DTT1
416	TZANEEN	030E00.17	23542.06	62	802	20	H	SPA	DTT2
417	UBOMBO	032E04.52	27533.42	53	730	10	H	SPA	DTT1
418	UBOMBO	032E04.52	27533.42	57	762	10	H	SPA	DTT2
419	UGIE	027E58.26	31511.28	34	618	0.5	V	SPA	DTT1
420	UGIE	027E58.26	31511.28	40	660	0.5	V	SPA	DTT2
421	UKUNDI	031E23.08	28527.00	60	786	10	V	SPA	DTT1
422	UKUNDI	031E23.08	28527.00	56	754	10	V	SPA	DTT2
423	UMTATA	029E44.35	31535.45	41	634	10	H	SPA	DTT1
424	UMARAYA	028E44.35	31535.45	34	575	10	H	SPA	DTT2
425	UNIONDALE	025E00.06	33543.20	55	746	2.0	V	SPA	DTT1
426	UNIONDALE	025E00.06	33543.20	56	594	1	V	SPA	DTT2
427	UNIONDALE (TOWN)	025E00.06	33543.20	36	594	1	V	SPA	DTT1
428	UNIONDALE (TOWN)	025E00.06	33543.20	55	746	1	V	SPA	DTT2
429	UPINGTON	021E44.12	28552.58	38	670	50	H	SPA	DTT1
430	UPINGTON	021E44.12	28552.58	29	538	50	H	SPA	DTT2
431	UPINGTON TOWN	021E12.00	28530.25	29	538	0.4	V	SPA	DTT1
432	UPINGTON TOWN	021E12.00	28530.25	38	610	0.38	V	SPA	DTT2

## ANNEXURE F: DTT FREQUENCY NETWORKS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES			FREQ MHz	ERP(KW)	POL	STAT	DAT
		LONGITUDE	LATITUDE	CH					
433	VAN RHYNSDORP	018E41.24	31545.16	48	600	50	H	SPA	DTT1
434	VAN RHYNSDORP	018E41.24	31545.16	52	722	50	H	SPA	DTT12
435	VFR & AM	02°E02.19	29538.25	46	674	0.01	V	SPA	DTT1
436	VERULAM	02°E02.19	29538.25	50	706	0.01	V	SPA	DTT2
437	VICTORIA WEST	023E13.50	31541.15	43	650	10	H	SPA	DTT1
438	VICTORIA WEST	023E13.50	31541.15	47	632	10	H	SPA	DTT2
439	VILLA NORA	028E21.00	23542.00	24	498	10	H	SPA	DTT1
440	VILLA NORA	028E21.00	23542.00	26	500	10	H	SPA	DTT2
441	VILLEHSDORP	018E30.26	33558.09	53	730	10	H	SPA	DTT1
442	VILLEFRSDORP	018E30.26	33558.09	65	826	10	H	SPA	DTT2
443	VOLKSRUST	029E53.16	27518.33	58	770	10	H	SPA	DTT1
444	VOLKSRUST	029E53.16	27518.33	62	802	10	H	SPA	DTT2
445	VRYHEID	030E47.38	27544.27	26	514	10	H	SPA	DTT1
446	VRYHEID	030E47.38	27544.27	30	546	10	H	SPA	DTT2
447	VRYHEID TOWN	030E46.23	27546.44	26	516	0.04	H	SPA	DTT1
448	VRYHEID TOWN	030E46.23	27546.44	30	546	0.04	H	SPA	DTT2
449	WELVERDIEND	027E14.55	26526.47	21	490	10	H	SPA	DTT1
450	WELVERDIEND	027E14.55	26526.47	31	564	10	H	SPA	DTT2
451	WILLISTON	020E55.08	31519.31	38	E13	10	H	SPA	DTT1
452	WILLISTON	020E55.08	31519.31	48	674	10	H	SPA	DTT2
453	WILLOWMORE	023E27.36	33514.05	39	618	1	H	SPA	DTT1
454	WILLOWMORE	023E27.36	33514.05	51	714	1	H	SPA	DTT2
455	WINDYBRIDGE	027E14.05	26545.00	45	666	20	H	SPA	DTT1
456	WINDYBRIDGE	027E14.05	26545.00	49	695	20	H	SPA	DTT2
457	WITSIESHOEK	028E50.52	26531.02	34	562	0.25	V	SPA	DTT1
458	WITSIESHOEK	028E50.52	26531.02	36	594	0.25	V	SPA	DTT2
459	ZEERUST	026E02.51	25551.37	39	618	20	H	SPA	DTT1
460	ZEERUST	026E02.51	25551.37	36	584	20	H	SPA	DTT2



**ANNEXURE G**  
**MOBILE DTT FREQUENCY NETWORKS**

## ANNEXURE G: Mobile DTT FREQUENCY NETWORKS 2009

NO	TRANSMITTING STATION NAME	GEO. CO-ORDINATES		FREQUENCY		ANTENNA		ADMIN RECORDS	
		LONGITUDE	LATITUDE	CH	MHz	ERP (W)	POL	STAT	MUX
1	AMANDA GLEN	018E40 33	33S51 18	28	530	0.2512	V		MDTT1
2	AMANDA GLEN	018E40 33	33S51 18	32	562	0.2512	V		MDTT2
3	AURORA	018E38 29	33S49 39	28	530	0.2512	V		MDTT1
4	AURORA	018E38 29	33S49 39	32	562	0.2512	V		MDTT2
5	BEZ VALLEY	028E05 04	26S11 41	35	586	0.2512	V		MDTT1
6	BEZ VALLEY	028E05 04	26S11 41	33	570	0.2512	V		MDTT2
7	BLOEMFONTEIN	026E13 50	29S06 13	33	570	50	H		MDTT1
8	BLOEMFONTEIN	026E13 50	29S06 13	47	682	50	H		MDTT2
9	CAPE TOWN	018E23 15	34S03 15	32	562	6.7999	H		MDTT1
10	CAPE TOWN	018E23 15	34S03 15	28	530	6.7999	H		MDTT1
11	DURBAN	030E43 00	29S46 11	33	570	199.526	H		MDTT1
12	DURBAN	030E43 00	29S46 11	25	506	12.2999	H		MDTT2
13	DURBAN NORTH	031E02 24	29S45 52	33	570	1	V		MDTT1
14	DURBAN NORTH	031E02 24	29S45 52	25	506	1	V		MDTT2
15	EAST LONDON	027E48 58	32S56 20	32	562	10	H		MOTT1
16	EAST LONDON	027E48 58	32S56 20	36	594	10	H		MOTT1
17	FISHHOEK	018E26 12	34S08 59	28	530	0.2512	V		MDTT1
18	FISHHOEK	018E26 12	34S08 59	32	562	0.2512	V		MDTT2
19	GEORGE	022E27 04	33S55 38	37	602	112	H		MOTT1
20	GEORGE	022E27 04	33S55 38	41	634	112	H		MOTT2
21	GRABOUW	018E58 03	34S06 05	28	530	0.5	V		MOTT1
22	GRABOUW	018E58 03	34S06 05	32	562	0.5	V		MOTT2
23	HELDERKRUIJN	027F51 32	26S06 05	35	586	0.8	V		MDTT1
24	HELDERKRUIJN	027F51 32	26S06 05	33	570	0.8	V		MDTT2
25	HOUT BAY	018E20 56	34S00 44	28	530	4.0004	V		MDTT1
26	HOUT BAY	018E20 56	34S00 44	32	562	4.0004	V		MDTT2
27	JOHANNESBURG	028E00 26	26S11 31	35	586	120.005	H		MDTT1
28	JOHANNESBURG	028E00 26	26S11 31	33	570	120.005	H		MDTT2
29	KIMBERLEY	024C54 19	28S51 14	38	610	50	H		MDTT1
30	KIMBERLEY	024C54 19	28S51 14	45	666	50	H		MDTT2
31	KLERKSDORP	026E24 29	26S45 14	24	498	5	H		MDTT1
32	KLERKSDORP	026E24 29	26S45 14	28	530	5	H		MDTT2
33	MENLO PARK	028E16 09	25S46 15	35	586	0.2512	V		MDTT1
34	MENLO PARK	028E16 09	25S46 15	33	570	0.2512	V		MDTT2
35	MIDDLEBURG	029E23 24	25S49 04	27	522	10	H		MDTT1
36	MIDDLEBURG	029E23 24	25S49 04	31	554	10	H		MDTT2
37	MONDEOR	027E59 34	26S16 52	35	586	0.2512	V		MDTT1
38	MONDEOR	027E59 34	26S16 52	33	570	0.2512	V		MDTT2
39	MULBARTON	028E03 56	26S17 36	35	586	0.2512	V		MDTT1
40	MULBARTON	028E03 56	26S17 36	33	570	0.2512	V		MDTT2
41	NELSPRUIT	030E46 35	25S30 55	45	666	50	H		MOTT1
42	NELSPRUIT	030E46 35	25S30 55	48	690	50	H		MOTT2
43	OVERPORT	030E59 54	29S50 02	33	570	1.2999	V		MDTT1
44	OVERPORT	030E59 54	29S50 02	25	506	1.2999	V		MDTT2
45	PAARL	018E56 24	33S42 53	28	530	2.4998	V		MOTT1
46	PAARL	018E56 24	33S42 53	32	562	2.4998	V		MOTT2
47	PIETERMARITZBURG	030E19 49	29S34 47	33	570	1	V		MDTT1
48	PIETERMARITZBURG	030E19 49	29S34 47	25	506	1	V		MOTT2

## ANNEXURE G: MOBILE DTT FREQUENCY NETWORKS 2009

49	Pietersburg	029E27 54	23553 10.	34	578	5 H		MDTT1
50	Pietersburg	029E27 54	23553 10	39	618	5 H		MDTT2
51	PORT ELIZABETH	025E26 29	33556 10	28	530	10 H		MDTT1
52	PORT ELIZABETH	025E26 29	33556 10	32	562	10 H		MDTT2
53	PRETORIA	027E59 03	25541 20	35	586	100 H		MDTT1
54	PRETORIA	027E59 03	25541 20	33	570	100 H		MDTT2
55	PRETORIA NORTH	028E10 07	25541 25	35	586	0.2512 V		MDTT1
56	PRETORIA NORTH	028E10 07	25541 25	33	570	0.2512 V		MDTT2
57	RUSTENBURG	027E07 06	25536 56	49	698	5 H		MDTT1
58	SEA POINT	018E29 19	33556 09	28	530	0.4 V		MDTT1
59	SEA POINT	018E29 19	33556 09	32	562	0.4 V		MDTT2
60	SIMONSTOWN	018E25 37	34511 54	28	530	0.2512 V		MDTT1
61	SIMONSTOWN	018E25 37	34511 54	32	562	0.2512 V		MDTT2
62	STELLENBOSCH	018E52 13	33554 56	28	530	0.2512 V		MDTT1
63	STELLENBOSCH	018E52 13	33554 56	32	562	0.2512 V		MDTT2
64	SUNNYSIDE	028E12 24	25545 53	35	586	1 V		MDTT1
65	SUNNYSIDE	028E12 24	25545 53	33	570	1 V		MDTT2
66	TABLE MOUNTAIN	018E24 13	33557 25	28	530	0.2512 V		MDTT1
67	TABLE MOUNTAIN	018E24 13	33557 25	32	562	0.5 V		MDTT2
68	THE BLUFF	031E00 45	29554 40	33	570	2.4998 V		MDTT1
69	THE BLUFF	031E00 45	29554 40	25	506	2.4998 V		MDTT2
70	THEUNISSEN	026E34 50	28511 55	39	618	50 H		MDTT1
71	THEUNISSEN	026E34 50	28511 55	43	650	50 H		MDTT2
72	TYGERBERG	018E35 46	33552 29	28	530	1.9999 V		MDTT1
73	TYGERBERG	018E35 46	33552 29	32	562	1.9999 V		MDTT2



**ANNEXURE H**  
**FREQUENCY CHANGES**

## Annexure II: Frequency Changes 2009

No.	STATION NAME	DEC CO-ORDINATES		FREQUENCY		New Freq	New Ch	ANTENNA	ADMINISTRATIVE RECORDS		
		LONGITUDE	LATITUDE	CH	REC(MHz)	FF(S)	MHz	FREQ(V/P)	PROG	STAT	CAT
1	PHETORA NORTH	026E10.07	25541.25	54	735.25	20	734.25	56	E 12	V	CNA
2	RUSTENBURG CAS	027E14.33	25541.26	54	735.25	0	561.25	31	E 1	V	MNE
3	TABLE MOUNTAIN	018E24.13	33537.25	28	511.25	0	647.25	43	E 2	V	SABC1
4	ANDRIES KRAAL	024E12.33	33546.37	32	559.25	0	711.25	51	E 31	V	SABC3
5	LINAMEYER	022E04.16	26510.35	35	503.25	0	535.25	29	E 32	H	MNFT
6	VERULAM	03°E02.19	29538.25	25	503.25	0	487.25	20	E 31	V	SBC
7	VERULAM	03°E02.19	29538.25	32	567.25	0	519.25	27	E 31	V	ETV
8	UIDRANU	027E14.16	27541.16	25	503.25	0	581.25	36	E 25	V	MNFT
9	MDWACK	030E10.52	28530.13	25	503.25	0	735.25	54	E 68	V	SBC1



**ANNEXURE I**  
**DIGITAL TECHNICAL PARAMETERS**

**ANNEXURE I****1. Digital Planning Parameters**

The Technical standards and transmission characteristics for digital broadcasting will be in accordance with the GE06 plan. These Technical standards and transmission characteristics parameters will be used for all digital television coverage and interference planning. Generally the following parameters will be used as the basis for the reference network. The following table clearly depicts the reference parameters as tabulated in the final act of ITU RRC-06 for digital network planning:

**Table 1. FINAL ACTS OF ITU RRC-06 REFENCE PARAMETERS**

<b>Details</b>	<b>Final Acts of ITU RRC-06</b>	<b>Page Number</b>
Definitions	CHAPTER 1 TO ANNEX 2	42-48
Propagation information	CHAPTER 2 TO ANNEX 2	49-78
Technical basis for the terrestrial broadcasting service Frequency bands, reception modes, antenna considerations, location correction factors, out-of-band spectrum masks	CHAPTER 3 TO ANNEX 2	160-171
System variants, channel numbering and channel boundaries,	Annex 3.1	172-183
C/N values and minimum median field-strength values of different DVB-T system variants for different reception conditions	ANNEX 3.2	184-185
Protection ratios for terrestrial broadcasting systems	ANNEX 3.3	186-200
Calculating of minimum median field strength	ANNEX 3.4	201-202
Reference planning configurations	ANNEX 3.5	203-204
Reference networks	ANNEX 3.6	205-212
Calculating of interference for single frequency networks and allotments	ANNEX 3.7	213

**ANNEXURE I**

**Figure.1 MODULATION STANDARDS, EMISSION BROADCASTING  
CHARACTERISTICS OF THE RADIATED SIGNAL FOR DIGITAL BROADCASTING**

<b>2 CHARACTERISTICS</b>					
Nominal radio-frequency channel bandwidth (MHz)	8				
Nominal width of digital signal (MHz)	7.61				
Type of modulation	COFDM				
Number of carrier per channel	3 8K MODE		4 2K MODE		
	6817		1705		
Carrier spacing	5 8K MODE		6 2K MODE		
	1 kHz		4 kHz		
Forward error correction rates (FEC)	1/2	2/3	3/4	5/6	7/8
Guard interval	1/32	1/16		1/8	1/4
Carrier modulation scheme	64 QAM	16-QAM		QPSK	
Hierarchical modulation	$\alpha = 1$		$\alpha = 2$		$\alpha = 4$
	Non-hierarchical	-QPSK in non-uniform 16 QAM		-QPSK in non-uniform 16 QAM	
		-QPSK in non-uniform 64-QAM		-QPSK in non-uniform 64-QAM	

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**ANNEXURE I**

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**2. Single Frequency Networks****SFN operation**

The Final Acts of RRC-06 define a Single Frequency Network as 'A network of synchronized transmitting stations radiating identical signals in the same RF channel. SFNs are particularly suited to provide coverage of medium to large areas within which it is intended to provide a common set of programmes with all transmitters synchronized on a single frequency'<sup>1</sup> (emphasis added)

SFNs offer greatly increased frequency efficiency as summarized in Figure 1 and transmitters operating within delay limits result in mutual addition of the signal powers at the receive point and thus network gain.

**Self-interference in SFNs**

The deployment of single frequency networks provides increased spectrum efficiency, however, two restrictions must be adhered to limit the extent of the self interference in the network. Firstly, for a given receiving location, the main contributing signals in an SFN come from the nearby transmitters. In order to keep these contributions constructive the time delay between them must not exceed the guard interval to any significant extent, which means that neighbouring transmitters have to keep a certain upper limit for the distance between them.

Secondly, even if the maximum separation distance for neighbouring transmitters is kept, more distant transmitters in the network may contribute destructively in such a way that a maximum size of the SFN service area must not be exceeded in order to keep the number of relevant self-interfering transmitters small.

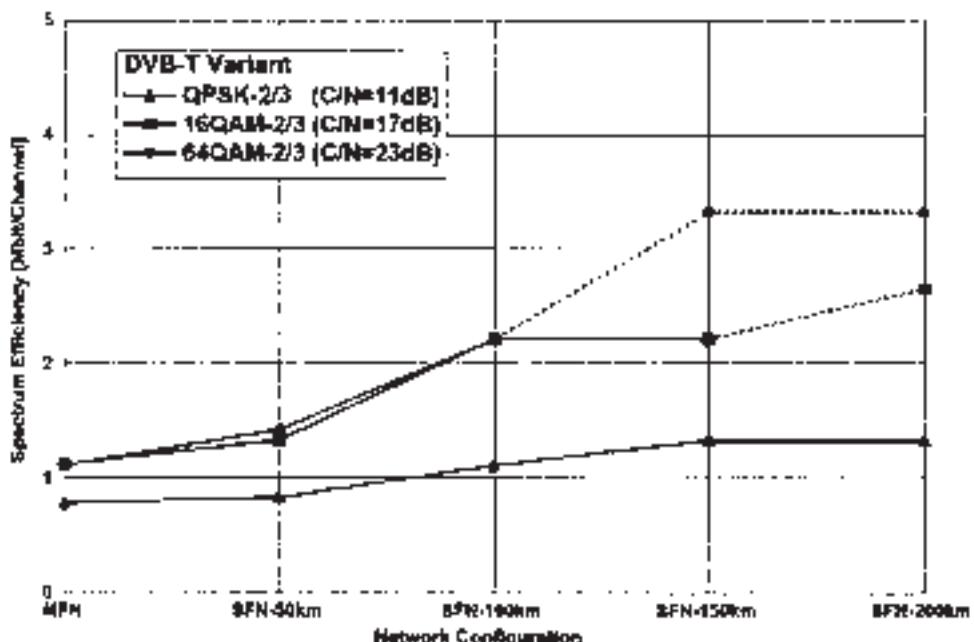
The significance of self-interference, the resulting maximum separation distance between neighbouring transmitters and whether there is an overall maximum size of the SFN service area depends on the chosen guard interval, the sensitivity of the system with regard to self-interference (indicated by the relevant C/N value) and the density of the transmitters in the network.<sup>2</sup> (emphasis added).

<sup>1</sup> Technical criteria of Digital Video Broadcasting Terrestrial (DVB-T) and Terrestrial - Digital Audio Broadcasting (T-DAB) allocation planning. Electronic Communications Committee (ECC) within the European Conference of Postal and Telecommunications Administrations (CEPT). ECG Report 49 Copenhagen April 2004 Page 6

<sup>2</sup> Technical criteria of Digital Video Broadcasting Terrestrial (DVB-T) and Terrestrial - Digital Audio Broadcasting (T-DAB) allocation planning. Electronic Communications Committee (ECC) within the European Conference of Postal and Telecommunications Administrations (CEPT). ECG Report 49 Copenhagen April 2004 Page 14

**ANNEXURE I****3 Single Frequency Network Optimization**

Given the single frequency networks limitations, the SFN size optimization and the need to balance spectrum efficiency with self interference is vital. Whilst a larger SFN provides a higher spectrum efficiency it is also more prone to self-interference. The Institute für Rundfunktechnik analysis of the optimal SFN size for spectrum efficiency without self-interference is depicted in Figure. It shows that SFNs using 64QAM 2/3 FEC are typically limited to a service diameter of 100 to 150 km in order to restrict self-interference within the network.



**Figure 2:** Spectrum efficiency of three DVB-T system variants shown in terms of possible SFN sizes (dotted lines indicate SFN sizes not considered realisable due to self-interference)<sup>3</sup>

Chapter 3 to Annex 2 of the Final Acts of RRC-06 defines reference networks to cover the different implementation requirements for DVB-T networks. Reference Network 1

<sup>3</sup> Digitales Deutsches Fernseh-Emissions- und Umsorgszeichen, Dr. Gerd Bock, Institut für Rundfunktechnik (IRT) paper presented to the FkTG - Fernseh- und Kindertechnische Gesellschaft at the Technical University of Ilmenau, Germany June 2009

## ANNEXURE I

(RN 1) is intended for large service area SFN coverage. RN 1 assumes that main transmitter sites with an appropriate effective antenna height are used as a backbone for this type of network.

*"For portable and mobile reception, the size of the real service areas for this type of SFN coverage is restricted to 150 to 200 km in diameter because of self-interference degradation, unless very rugged DVB-T system variants are used or the concept of dense networks is employed"* (emphasis added). Fixed reception may be aided by the directivity of a receive antenna and extend slightly beyond these limits.

The large service area parameters prescribed and agreed to at RRC-06 are listed in Table A.3.6-1 of Annex 3.6 to Chapter 3. The table is reproduced below for easier reference.

TABLE A.3.6-1  
Parameters of RN 1 (large service area SFN)

RPC and reception type	RPC 1 Fixed outdoor	RPC 2 Portable outdoor and mobile	RPC 3 Portable indoor
Type of network	Open	Open	Open
Geography of service area	Hexagon	Hexagon	Hexagon
Number of transmitters	7	7	7
Geometry of transmitter lattice	Hexagon	Hexagon	Hexagon
Distance between transmitters (if any)	50	50	40
Service area diameter (10 km)	151	145	92
Tx effective antenna height (m)	150	150	150
Tx antenna pattern	Non-directional	Non-directional	Non-directional
ERP * (dBW)	Bands 01 Bands IV-VI	33.1 49.2	36.2 52.4

The ERP is given for 200 MHz in Bands 01 and 650 MHz in Bands IV-VI; for other frequencies ( $f$  in MHz) the frequency correction factor to be added is: 20.3 dB ( $(f/200 \text{ m})^{0.9}$ ) for RPC 1 and 30.5 dB ( $(f/200 \text{ m})^{0.9}$ ) for RPC 2 and RPC 3.

\* The ERP values indicated in this table incorporate an additional power margin of 1 dB.

\* Annex 2 Chapter 3 of the Final Acts of the ITU Regional Radiocommunication Conference for planning of the digital terrestrial broadcasting service in parts of Regions 1 and 3, in the frequency bands 174-230 MHz and 473-862 MHz (RRC-06), page 203.

**ANNEXURE I****3. Protection ratio for Co-channel PAL-I analogue television being interfered with PAL-I analogue television**

TABLE I-B - Annexure I-A

Offset in multiples of 1/12 local frequency	0	1	2	3	4	5	6	7	8	9	10	11	12
Noise-free offset	45	44	40	34	30	26	27	28	30	34	40	44	45
(Transmission subcarrier ± 300 Hz)	12	11	43	44	45	36	31	36	40	44	45	35	32

(Value in the first column is only valid for 0.12 case. All other values between 1.12 and 12.12 are the same by addition or subtraction of integer multiples of 1/12 up to ± 30/12.)

**4. Co-channel protection (PAL-I interfered with DVB-T)**

TABLE A.3.3-Z3

Co-channel protection ratio (dB) for a analogue terrestrial television signal interfered with by co-channel DVB-T signal

	Tropospheric Interference	Continuous Interference
DVB-T 6 MHz (UHF)	34	40
DVB-T 7 MHz (VHF)	35	41

**ANNEXURE I****6. Co-channel protection (DVB-T Interfered with DVB-T)**

TABLE A.3-1

Co-channel protection ratios (dB) for a DVB-T signal interfered with by a DVB-T signal for different DVB-T variants for the case of fixed reception (FX), portable outdoor reception (PO), portable indoor reception (PI) and mobile reception (MO).

DVB-T system variant	FX	PO	PI	MO
QPSK 1/2	6.00	8.00	8.00	11.00
QPSK 2/3	8.00	11.00	11.00	14.00
QPSK 3/4	9.30	11.70	12.70	14.70
QPSK 4/5	10.50	11.00	11.00	16.00
QPSK 5/6	11.50	14.10	14.10	17.10
16-QAM 1/2	12.00	13.00	13.00	16.00
16-QAM 2/3	14.00	16.00	16.00	19.00
16-QAM 3/4	15.00	18.00	18.00	21.00
16-QAM 4/5	16.00	19.00	19.40	22.40
16-QAM 5/6	17.50	20.30	20.10	23.10
64-QAM 1/2	17.00	19.00	19.00	22.00
64-QAM 2/3	20.00	23.00	21.00	26.00
64-QAM 3/4	21.00	25.00	25.00	28.00
64-QAM 5/6	23.50	25.50	25.60	28.60
64-QAM 7/8	24.00	28.00	26.90	29.90

**6. Protection ratio for lower adjacent channel interference (PAL-I interfered with PAL-I)**

**ANNEXURE I****TABLE 1.12L – Protection ratio for lower adjacent channel interference (CHP bands)**

Wanted signal	Unwanted signal	Protection ratio (dB)			
		G	H	I	KI
G	G	-9	-9	-9	-9
G	H	-9	-9	-9	+13
G	I	-9	-9	-9	+13
G	KI	-9	-9	-9	-9

**7. Protection ratio for upper adjacent channel interference (PAL-I Interfered with PAL-I)**

GE89 qualifies that the protection ratio for upper adjacent channel interference for all analogue TV systems is -12 dB.

**B. Protection ratio for lower- and upper adjacent channel interference (PAL-I Interfered with DVB-T)**

**ANNEXURE I**

TABLE A.3-25

**Protection ratios (dB) for analogue B, D, D+, G, H, K/PAL-1 channels  
(interfered with by a DVB-T 3 MHz signal  
(overlapping channels))**

Centre frequency of the unwanted DVB-T signal relative to the vision carrier frequency of the wanted analogue television signal (MHz)	Protection ratio	
	Intraoperative interference <sup>10</sup>	Continuous interference <sup>10</sup>
-6.25	16	-11
(N - 1)	3.25	-5
-4.75	-4	3
-4.25	12	20
-3.75	24	30
-3.25	29	46
2.25	33	59
1.25	34	40
(N)	2.75	34
-4.25	34	39
5.75	39	37
6.25	27	44
7.25	25	32
8.75	5	11
(N + 1)	9.25	6
12.75	6	-5

<sup>10</sup> The values for intraoperative and continuous interference have been derived at from Table A.3-24 by calculation.

**9. Protection ratio for lower- and upper adjacent channel interference (PAL-1  
Interfered with DVB-T)**

TABLE A.3.3-2

**Protection ratios (dB) for a DVB-T signal interfered with by a DVB-T signal  
in the lower ( $N - 1$ ) and upper ( $N + 1$ ) adjacent channels**

Channel	$N - 1$	$N + 1$
PR	-30	30



**ANNEXURE J**  
**SQUARE KILOMETRE ARRAY (SKA)**  
**AFFECTED FREQUENCIES**

**Annexure J: SKA affected frequencies****Table 1. Analysis of frequency assignments for VHF/FM sound broadcasting in the Northern Cape Province**

Station name	ERP(kW)	Operational assignments	Spare assignments	Existing station	Distance	RFI position
Venwyksvlei	10	0	6	No	69	Critical
Sakwies	10	0	6	No	78	Critical
Winston	0.02/2.0	1	6	Yes	79	Moderate
Carnarvon	10/50	3	3	Yes	103	Critical
Brandvlei	10	0	6	No	109	Critical
Prieska <sup>4</sup>	5	0	6	No	156	Critical
Fraserburg	50	0	6	No	161	Critical
Calvinia	1/10/50	2	4	Yes	165	Critical
Prieska	9	4	3	Yes	169	Critical
Coeneshoornen	10	0	1	No	182	Moderate
Granaatboskloof	10	0	10	No	184	Moderate
Beaufort West	0.5/1/10/50	5	2	Yes	206	Moderate
Upington	1/5/10	4	3	Yes	207	Moderate
Victoria West	4/5	2	3	Yes	212	Moderate
Nieuwoudtville	10	0	6	No	214	Moderate
Houmoed	50	0	6	No	217	Critical
Gamop	2	0	5	No	251	Minor
Augrabies	10	0	6	No	256	Moderate
De Aar	10/11	3	4	Yes	257	Moderate
Van Rhynsdorp	3/17/50	4	2	Yes	276	Moderate
Lombardsvlakte	10	0	6	No	278	Moderate
Douglas	9/10	3	3	Yes	280	Moderate
Pofadder	5	3	3	Yes	281	Moderate
Upington North	10	0	1	No	307	Moderate
Garies	2.6/3	3	3	Yes	314	Low
Danielskuil	50	0	5	No	352	Moderate
Springbok	17/50	3	3	Yes	360	Moderate
Noodniepuit	10	0	6	No	361	Low
Kalahari	10	0	4	No	375	Low
Kuruman Hills	11/4	4	3	Yes	381	Low
Kuruman 1	1	1	0	Yes	399	Minor
Steinkopf <sup>4</sup>	10	0	1	No	403	Minor
Farms Grove	5	2	4	Yes	445	Minor
Kuruman	3.8/10	1	2	Yes	420	Minor
Mer	20	0	4	No	457	Minor
Debeersrus	10	0	6	No	465	Minor
Gariesa	2/5/5	1	2	Yes	539	Negligible

**Annexure J: SKA affected frequencies****Table 2: Analysis of analogue VHF and UHF television broadcasting in the Northern Cape Province**

Station name	ERP(kW)	Operational assignments	Spare assignments	Existing station	Distance	RFI position
Vanwyksdorp	500	0	2	No	59	Extreme
Williston	0.5/1	1	5	Yes	79	Critical
Carnarvon	10	1	4	Yes	103	Critical
Brandvlei	500	0	2	No	109	Extreme
Fraserburg	10/500	0	5	No	161	Extreme
Caama	10	1	5	Yes	165	Critical
Prieska	10/500	1	4	Yes	169	Extreme
Sutherland	10/500	0	3	No	203	Extreme
Beaufort West	1.6/4/10 /13/56	3	2	Yes	206	Critical
Upington	100/112 /200	1	4	Yes	207	Extreme
Victoria West	0.5/500	1	2	Yes	212	Extreme
Nieuwertschoop	500	0	2	No	214	Extreme
Houmoed	50	0	2	No	217	Critical
Upington Town	0.4	2	0	Yes	245	Low
Gansoep	500	0	2	No	251	Critical
Augrabies	500	0	2	No	256	Critical
De Aar	10/100 /500	2	3	Yes	257	Critical
Pofadder Dorp	0.1	1	0	Yes	259	Minor
Van Rhynsdorp	100/500	2	5	Yes	276	Critical
Lomberdaal vlakte	10	0	2	No	278	Low
Douglas	10	0	6	Yes	280	Low
Pofadder	2.5/10	1	3	Yes	281	Low
Garies	13/200 /500	1	4	Yes	314	Critical
Nieuwoudt	1/10	1	5	Yes	351	Low
Colesberg	0.5	1	1	Yes	357	Minor
Springbok	10	2	3	Yes	360	Low
Nooitgedacht	200/500	0	4	No	361	Moderate
Kalahari	500	0	2	No	375	Moderate
Kuruman Hills	126/500	3	2	Yes	381	Moderate
Slankkopf	500	0	2	No	403	Moderate
Faans Grove	200/500	0	4	Yes	415	Moderate
Kuruman	5	0	2	Yes	420	Minor
Mier	500	0	2	No	457	Moderate
Dobeensrus	500	0	2	No	465	Moderate
Grootderm	1	0	2	No	481	Negligible
Alexander Bay	0.1	4	0	Yes	521	Negligible

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**Annexure J: SKA affected frequencies**


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**Table 3: Analysis of Analogue Self-Help television frequency assignments in the Northern Cape Province**

Station name	ERP(kW)	Operational assignments	Distance	RFI position
Williston Tweerand	0.005	1	16	Critical
Williston Heuningberg	0.001	1	22	Critical
Williston Grootmeesterskloof	0.004	1	40	Critical
Brandvlei Rode se Put	0.016	1	77	Critical
Williston	0.004	3	81	Moderate
Carnarvon	0.004	2	82	Moderate
Brandvlei	0.006	4	85	Moderate
Williston Lukasfontein	0.079	1	116	Moderate
Fraserburg Burgerpos	0.001	1	126	Minor
Lexton	0.006	3	130	Minor
Fraserburg	0.005	5	136	Minor
Granaatboskolk Loop 10	0.004	1	137	Minor

**Annexure J: SKA affected frequencies**

Sutherland Elandsriver	0.005	1	148	Minor
Kenhardt	0.004/0.008	4	152	Minor
Bo-trentjiesplaas	0.004	1	153	Minor
Sutherland Middel Rietvlei	0.004	1	159	Minor
Marydale	0.002	3	162	Minor
Freserburg Tafelkop	0.016	1	162	Moderate
Calvinia	0.032	3	169	Moderate
Middelpunt	0.006	1	171	Minor
Sutherland Tafelbergplaas	0.004	1	173	Minor
Sutherland Rensdorpervier	0.003	1	174	Minor
Freesku	0.001	3	180	Negligible
Loeriesfontein	0.008	3	181	Minor
Victoriat West	0.004	5	188	Negligible
Sutherland Marano	0.002	1	188	Negligible
Calvinia Naresse	0.003	1	191	Negligible
Sutherland Observatory	0.003	1	192	Negligible
Sutherland	0.004	4	197	Negligible
Bo-visvlei	0.007	1	198	Negligible
Sutherland Rhebokfontein	0.013	1	198	Negligible
Sutherland Vytfontein	0.001	1	203	Negligible
Grobekaap	0.004	3	207	Negligible
Pnfaarder Willem se Opdam	0.002	1	208	Negligible
Bo-visvlei Driefontein	0.003	1	209	Negligible
Britstown	0.004	2	209	Negligible
Nekerkraap	0.004	4	212	Negligible
Kemoes	0.016	5	223	Negligible
Kakamas	0.005/0.006	4	224	Negligible
Sutherland Welgeemoed	0.003	1	225	Negligible
Nieuwoudtville	0.02	4	227	Negligible
Uitkyk Town	0.05/0.1	2	245	Negligible
De Aar	0.005/0.016	3	258	Negligible
Potlaagte Town	0.079/0.1	5	269	Negligible
Richmond NCP	0.004	4	264	Negligible
Riemvasmaak Sending	0.004	4	267	Negligible
Riemvasmaak Vredesvallei	0.008	4	269	Negligible
Kakamas Seekoeosteek	0.036	1	279	Negligible
Pella Mission	0.005	3	280	Negligible
Aggeneys Blackmountain	0.251	1	281	Negligible
Aggeneys Blackmountain 2	0.004	3	289	Negligible
Onderkloof	0.004	4	291	Negligible
Hopetown	0.01	4	291	Negligible
Onseepkans sending	0.004	4	294	Negligible
Potlaagte Kleinpella	0.003	1	295	Negligible
Paulshoek	0.004	4	296	Negligible
Lekesfontein	0.004	3	313	Negligible
Postmasburg	0.002	1	314	Negligible
Strandfontein	0.005	2	316	Negligible
Gariesfontein	0.001	1	319	Negligible
Petrusville	0.004	4	327	Negligible
Lime Acres	0.006/0.005 0.004	5	333	Negligible
Vanwyksdorp	0.005	1	335	Negligible
Vanderkloof	0.004	3	337	Negligible

**Annexure J: SKA affected frequencies**

Lohalhe	0.016	1	347	Negligible
Concordia	0.004	4	350	Negligible
Springbok Matjeskloof	0.001	3	350	Negligible
Springbok Bergsig	0.001	3	350	Negligible
Springbok Town	0.025/0.013 /0.003	4	350	Negligible
Neupoort	0.003	3	351	Negligible
Danielskuil	0.004/0.005	2	354	Negligible
Goodhouse	0.004	4	359	Negligible
Colesberg	0.004	2	360	Negligible
Nababeep	0.05/0.1	3	360	Negligible
Colesberg	0.006	1	361	Negligible
Steinkopf Henkries	0.003	1	367	Negligible
Sishen/Kuthu ISCOR	0.02	3	368	Negligible
Buffelsrivier	0.004	4	375	Negligible
Steinkopf	0.004	4	381	Negligible
Korhaagpos	0.004	4	382	Negligible
Hondekloofbaai	0.005	2	390	Negligible
Kaapvaas	0.003	5	390	Negligible
Askham	0.05	4	415	Negligible
Kuruman Municipality	0.016	2	416	Negligible
Steinkopf Violsdrif	0.001	1	417	Negligible
Hotazel	0.05	2	421	Negligible
Kleinsee	0.002/0.006	5	424	Negligible
Hotazel Black Rock	0.008/0.013	2	424	Negligible
Askham Bloukrens	0.025	1	427	Negligible
Mier	0.05	4	449	Negligible
Lekkersing	0.004	4	450	Negligible
Pont Nolloth	0.008/0.005	5	458	Negligible
Grootderm Kuboes	0.002	4	488	Negligible
Richtersveld Khuibus	0.005	3	488	Negligible
Grootderm Kodaspiek	0.005	1	501	Negligible
Grootderm Baken	0.003/0.005	2	507	Negligible
Grootderm Brandkars	0.001	1	514	Negligible
Grootderm Sendelingsdrift	0.001	2	516	Negligible

### Annexure J: SKA affected frequencies

**Table 4: Analysis of Digital Terrestrial Television frequency assignments in the Northern Cape Province**

Station name	ERP(kW)	Number of assignments	Existing station	Distance	RFI position
Vaalwykspoort	200	2	No	50	Extreme
Williston	10	2	Yes	79	Critical
Carletonville	10	2	Yes	103	Critical
Brandvlei	200	2	No	109	Extreme
Fraserburg	10	2	No	161	Critical
Calvinia	10	2	Yes	165	Critical
Prieska	200	2	Yes	169	Extreme
Sutherland	10	2	No	203	Critical
Beaufort West	56.1/60	2	Yes	206	Critical
Upington	100	2	Yes	207	Critical
Victoria West	10	2	Yes	212	Critical
Nieukerkspoort	10	2	No	214	Critical
Houmoed	50	2	No	217	Critical
Upington Town	0.4/0.38	2	Yes	245	Minor
Gansbaai	200	2	No	251	Critical
Augrabies	200	2	No	266	Critical
De Aar	200	2	Yes	257	Critical
Van Rhynsdorp	200	2	Yes	276	Critical
Lombardsvlei	10	2	No	278	Low
Douglas	10	2	Yes	280	Low
Pofadder	10	2	Yes	281	Low
Garies	200	2	Yes	314	Moderate
Noupoort	1	2	Yes	351	Minor
Colesberg	0.5	2	Yes	353	Minor
Springbok	10	2	Yes	360	Low
Nooitgedacht	10	2	No	361	Low
Kalahari	10	2	No	375	Low
Kuruman Hill	10	2	Yes	381	Low
Sterkfontein	10	2	No	403	Minor
Faans Grove	200	2	Yes	415	Moderate
Kuruman	5	2	Yes	420	Minor
Moer	10	2	No	457	Minor
Debeersrus	200	2	No	485	Low
Grootfontein	1	2	No	481	Negligible
Alexander Bay	0.1	2	Yes	521	Negligible



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