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INDEPENDENT COMMUNICATIONS AUTHORITY OF SOUTH AFRICA NOTICE 636 OF 2019



THE ELECTRONIC COMMUNICATIONS ACT 2005, (ACT NO. 36 OF 2005)

NOTICE INVITING COMMENTS REGARDING THE DRAFT RADIO FREQUENCY SPECTRUM ASSIGNMENT PLAN FOR THE FREQUENCY BAND 470 TO 694 MHz FOR DIRECT MIGRATION FROM ANALOGUE TELEVISION AND THE RELEASE OF THE BAND 694 TO 862 MHz

1. The Independent Communications Authority of South Africa ("the Authority"), hereby publishes the **Draft Radio Frequency Spectrum Assignment Plan for the frequency band 470 to 694 MHz for public consultation** in terms of sections 30, read with sections 2 (d), 2 (e), 4, 30, 31(4), and 33 of the Electronic Communications Act (Act No. 36 of 2005), read with the Terrestrial Broadcasting Frequency Plan 2013, published in Government Gazette number 36321 (Notice 298 of 2013), the Update to the Terrestrial Broadcasting Frequency Plan, published in Government Gazette Number 38005 (Notice 801 of 2014), Regulation 3 of the Radio Frequency Spectrum Regulations 2015 and the IMT Roadmap 2019.

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2. The goal of RFSAP is to implement the provisions as detailed in regulation 9 of the Radio Frequency Spectrum Assignment Plan published in Government Gazette 38640 (Notices 271, 272, 273 and 274

of 2015).

3. This Draft Radio Frequency Spectrum Assignment Plan will supersede any previous radio spectrum

assignment arrangements for the same spectrum location once finalised.

4. Interested persons are hereby invited to submit written representations, including an electronic

version of the representation in Microsoft Word, of their views on the draft Radio Frequency

Spectrum Assignment Plan for the frequency band 470 to 694 MHz for public consultation by

no later than 16h00 on Friday 31 January 2020. The Authority may conduct public hearings.

5. Written representations or enquiries may be directed to:

The Independent Communications Authority of South Africa (ICASA)

350 Witch-Hazel Avenue

Eco Point Business Park

Eco Park

Centurion

or

Private Bag X10

Highveld Park

0169

Attention:

Mr Manyaapelo Richard Makgotlho

e-mail: rmakgotlho@icasa.org.za

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

for inspection by interested persons from 04 February 2020 at the ICASA Library or website and

copies of such representations and documents will be obtainable on payment of a fee.

- 7. Where persons making representations require that their representation, or part thereof, be treated confidentially, then an application in terms of section 4D of the Independent Communications Authority of South Africa Act, 2000 (Act No. 13 of 2000) must be lodged with the Authority outlining reasons why such information should be treated as confidential in line with the provisions of section 4D (4) (a) to (e). Such an application must be submitted simultaneously with the representation on the draft regulations and plan. Respondents are requested to separate any confidential material into a clearly marked confidential annexure. If, however, the request for confidentiality is refused, the person making the request will be allowed to withdraw the representation or document in question.
- 8. The guidelines for confidentiality request are contained in Government Gazette Number 41839 (Notice 849 of 2018).

DR. KEABETSWE MODIMOENG

ACTING CHAIRPERSON



Draft Radio Frequency Spectrum Assignment Plan

Rules for Services operating in the Frequency Band from 470 to 694 MHz

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1. Glossary

In this Radio Frequency Spectrum Assignment Plan, terms used shall have the same meaning as in the Electronic Communications Act 2005 (no. 36 of 2005); unless the context indicates otherwise;

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

amended

Administration means Members States of the International Telecommunications Union.

means Digital Terrestrial Television

"DTT"

"DVB-T2" means Digital Video Broadcasting – Second Generation Terrestrial

"IMT" means International Mobile Telecommunications

"ITA" means Invitation to Apply

"ITU" means the International Telecommunication Union

"ITU-R" means the International Telecommunication Union Radiocommunication

Sector

"NRFP" means the National Radio Frequency Plan 2013 for South Africa

"PCI" means Physical-Layer Cell Identities

"RFSAP" means Radio Frequency Spectrum Assignment Plan

"SFN" means Single Frequency Networks

"WRC-12" means World Radio Conference 2012 held in Geneva

"WRC-15" means the World Radio Conference 2015 held in Geneva

2. About

- 2.1 The Authority published the Terrestrial Broadcasting Frequency Plan 2013, in Government Gazette number 36321 (Notice 298 of 2013) on 02 April 2013 in terms of Sections 4(2) (b) and 30(1).
- 2.2 This draft Radio Frequency Spectrum Assignment Plan is to be read in conjunction with the National Radio Frequency Plan 2018 and the Radio Frequency Migration Plan 2019.

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- 2.3 The Authority on 16 September 2014, further published the update to the Terrestrial Broadcasting Frequency Plan in Government Gazette 38005 (Notice 801 of 2014).
- This Draft Radio Frequency Spectrum Assignment Plan ("RFSAP") is published for the purposes of adding further detail to the assignment of broadcasting frequencies, with a specific emphasis on frequencies that have been coordinated within the Southern Development Community ("SADC") and notified to the International Telecommunications Union Radiocommunications ("ITU-R"). The Digital Terrestrial Television assignments have met the conformance Requirements of the Geneva Agreement of 2006 ("GE-06") and have been notified to the ITU-R Master International Frequency Register ("MIFR").
- 2.5 The aim of Draft RFSAP is to enable the implementation of the Single Frequency Network ("SFN") Assignments in Annexure J of the update to the Terrestrial Broadcasting Frequency Plan in the Government Gazette Number 38005 (Notice 801 of 2014) for the Digital Terrestrial Television ("DTT") Multiplexes one (1) and two (2) to ensure an expedited television analogue switch off in order to enable the early release of the IMT700 and IMT800.

3. Purpose

- 3.1 The purpose of this Draft RFSAP is:
- 3.1.1 to provide a plan for the phased approach in implementing the analogue television switch-off onto Digital Terrestrial Television through an SFN;
- 3.1.2 to implement the Transitional arrangements provisions set out in regulation 9 of the Radio Frequency Spectrum Assignment Plan published in Government Gazette 38640 (Notices 271, 272, 273 and 274 of 2015);
- 3.1.3 to provide information on the requirements attached to the use of a frequency band in line with the allocation and other information in the latest version of the National Radio Frequency Plan ("NRFP");
- 3.1.4 to provide information on technical characteristics of radio systems, frequency channelling, coordination and details on required migration of existing users of the band and the expected method of assignment;
- 3.1.5 to provide the requirements necessary for the utilisation of the frequency band between 470 to 694 MHz for DTT in order to release frequencies in the band 694 to 860 MHz for IMT immediately after analogue television switch-off in the affected areas;
- 3.1.6 to ensure that alignment of Annexure J of the Terrestrial Broadcasting Plan 2013, as with the notified frequencies of the ITU-R MIFR. The aim being to emphasise the ITU's recognition that stated that MT systems which are mobile systems that provide access to a wide range of telecommunication services including advanced mobile services, supported by mobile and fixed networks, which are increasingly packet-based; and
- 3.1.7 to speed-up the process to release 694 to 854 MHz for IMT as the Authority has decided on the early availability of the IMT700 and IMT800. The RFSAP is being consulted on to enable for immediate availability of the band 470 to 694 MHz at the time of analogue switch-off.
- 3.2 The key features of this RFSAP are:
- 3.2.1 a high degree of commonality of functionality worldwide while retaining the flexibility to support a wide range of services and applications in a cost-efficient manner;
- 3.2.2 compatibility of services within IMT and with fixed broadcast networks;
- 3.2.3 capability of interworking with other radio access systems;

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- 3.2.4 high quality DTT services;
- 3.2.5 user equipment suitable for worldwide use;
- 3.2.6 user-friendly applications, services and equipment; and
- 3.2.7 allow for the most efficient use of the spectrum using the DVB-T2 technology together with SFN networks.

4. General

- 4.1 South Africa adopted the DVB-T2 broadcast transmission standard for implementation. This said standard is a DVB European-based Consortium standard adopted by the ITU and its radio Regulations.
- 4.2 All installations to be used for purposes of transmission with the said standard must comply with safety rules as specified in applicable standards.
- 4.3 A further requirement will be that any equipment that will be used for purposes of transmission with the said standard shall be required to obtain certification under South African laws and Regulations.
- 4.4 The assignment of the frequency band 470 to 694 MHz and the channel arrangement as outlined in the Terrestrial Broadcasting Frequency Plan, 2013 Annexure J as updated in 2014, provides that the Terrestrial Broadcast Frequency Plan, 2013 does not allow for a direct migration from analogue to digital television but rather for a two-stage process which will first allow analogue television to be transmitted in parallel with DTT and thereafter there will be a restacking process of frequencies to release the digital dividend (694 to 854 MHz);
- 4.5 The said plan has however been overtaken by events since the deadline for analogue switch-off passed on 17 June 2015, furthermore, the analogue and digital assignments above 694 MHz are no longer protected and have been suppressed from the ITU-R MIFR.
- 4.6 In order to eliminate interference to existing analogue transmissions during the dual illumination period there will be frequency changes required to DTT frequencies within the band 470 to 694 MHz before analogue switch-off.
- Analogue switch-off also applies to Analogue Terrestrial Broadcast Self-Help stations ("Self-Help stations") which, in most cases, will have to migrate to Direct To Home (DTH) as there will not be DTT available in these areas including the provisions for Self-Help stations.

 Analogue switch-off for Self-Help stations shall be implemented in accordance with the provisions in section 2.4 on Self-Help stations in the Terrestrial Broadcasting Frequency Plan, 2013.
- 4.8 The requirement for the migration of Studio Transmitter Links within the 800 MHz band need to migrate immediately out of the band as per Terrestrial Broadcast Frequency Plan, 2013 and the NFRP 2018.

- 4.9 The Authority has managed the Liquid Telecom assignments in the bands 827.775 832.695 MHz paired with 872.775 877.695 MHz in order to ensure migration destination band through the publication on 29 March 2019, in Government Gazette: 42337 (Notice Number 165 of 2019). This guard band might not be adequate to resolve all interferences and additional filtering might be required depending on the deployment situation.
- 4.10 The Authority has studied SFN's which are registered with the ITU in the Radiocommunications Bureau (BR) International Frequency Information Circular (BRIFIC) database and noticed that numerous of them similar to the size of SFN's in the South African BRIFIC entries such as for instance:
- 4.11 The United Kingdom

In the United Kingdom, there are several SFN assignments that exceed 200 km.

4.12 Spain

In Spain, there are numerous SFN assignments that exceed 300 km in size.

4.13 France

In France, there are several SFN assignments that exceed the Gauteng SFN size.

4.14 Italy

In Italy, there are numerous SFN assignments that exceed 300 km.

4.15 Portugal

In Portugal, there is one national SFN for the whole country.

4.16 The Authority extracted and analysed the SFN's which are registered with the ITU in the BRIFIC database and noticed that many of them are similar to the size of SFN's in the South African BRIFIC entries. An example of these entries is attached as **Appendix E**.

4.17 The benchmark revealed that there are much larger SFN entries in the ITU-R MIFR as compared to the South African entries, such as those of Italy, United Kingdom, Spain, Portugal and numerous other countries that have implemented SFNs. The RFSAP allows for a guard band of 9 MHz above 694 MHz to limit possible interference between IMT 700 and the DTT services in accordance with footnote 5.296 and Resolution 235 (WRC-15) of the ITU Radio Regulations edition 2016.

5. ITU Recommendations, Resolutions and Reports

The ITU-R Recommendations constitute a set of international technical standards developed by the Radiocommunication Sector (formerly CCIR) of the ITU. They are the result of studies undertaken by Radiocommunication Study Groups on:

- 5.1 the use of a vast range of wireless services, including popular new mobile communication technologies:
- 5.2 the management of the radio-frequency spectrum and satellite orbits;
- 5.3 the efficient use of the radio-frequency spectrum by all radiocommunication services:
- 5.4 terrestrial and satellite radiocommunication broadcasting;
- 5.5 radio wave propagation;
- 5.6 systems and networks for the fixed-satellite service, for the fixed service and the mobile service;
- 5.7 space operation, Earth exploration-satellite, meteorological-satellite and radio astronomy services.
- 5.8 The ITU has provided Recommendations, Resolutions and Reports with respect to the utilisation of band 470 690 for purposes of advising Administrations the planning criteria, including protection ratios, for various methods of providing second generation digital terrestrial television broadcasting (DTTB) systems in the VHF/UHF bands as follows:
- 5.8.1 Recommendation ITU-R M.2012-1 (02/2014): Detailed specifications of the terrestrial radio interfaces of International Mobile Telecommunications-Advanced (IMT Advanced);
- 5.8.2 Report ITU-R2241-0 Compatibility studies in relation to Resolution 224 in the bands 698-806 MHz and 790-862 MHz;

- 5.8.3 Report ITU-R M.2074: Report on Radio Aspects for the terrestrial component of IMT-2000 and systems beyond IMT-2000;
- 5.8.4 Recommendation ITU-R M.1645 Framework and overall objectives of the future development of IMT-2000 and systems beyond IMT-2000;
- 5.8.5 Resolution 235 (WRC-15);
- 5.8.6 Resolution 5.549 (WRC-15);
- 5.8.7 The ITU Radio Regulations (RR), Provision Number 5.1.2 of the Geneva 2006 (GE06) Agreement, and the World Radiocommunications Conference (WRC) Resolution 224-4, Resolution 232 (WRC-12) and the results of activities undertaken by the within ITU Region 1 (African Region);
- 5.8.8 Recommendation ITU-R M.2090-0 incorporated by reference into the ITU Radio Regulations by WRC 15 with key emphasis on specific unwanted emission limit of International Mobile Telecommunication (IMT) mobile stations operating in the frequency band 694-790 MHz to facilitate the protection of existing services in the ITU Region 1 in the frequency band 470-694 MHz;
- 5.8.9 Recommendation ITU R M.1036-5 incorporated by reference into the ITU Radio Regulations by WRC 15 dealing with the lower duplexer of the Frequency arrangement A5 in Recommendation ITU R M.1036 (i.e. uplink in 703-733 MHz) and a maximum output power of 23 dBm, to provide for a nine (9) MHz guard band between Broadcasting and IMT; and
- 5.8.10 ITU Report ITU-R BT.2339-0, incorporated by reference into the ITU Radio Regulations by WRC 15, with respect to co-channel sharing and compatibility studies between digital terrestrial television broadcasting and IMT in the frequency band 694-790 MHz in the GE06 planning area were studied and ITU-R Reports was developed in this respect.

6. Transmit Configuration for DVB-T2

6.1 The DTT Frequency Plan in Annexure J of the Terrestrial Broadcasting Plan 2013, is designed with the Transmit Configuration for DVB-T2 (Fixed Reception). The Terrestrial DTT Frequency Plan which was developed for South Africa is based on the following transmit configuration:

Technology: DVB-T2 Constellation: 256 QAM FEC/Code Rate: 3/5 **Guard Interval** 1/8 Location Probability: 95% FFT size 32Ke Block length 64800 Effective minimum usable field strength (CH21): 49.873 dBuV/m Capacity 30.01 Mb/sPilot Pattern PP2

- 6.2 This transmit configuration is the most optimum transition configuration preferred. However, if the guard interval is smaller than the specified GI, this will lead to self-interference in the network. The Authority therefore emphasise that the transmission parameters should comply to the specified transmission configuration above even though 3 Mbit/s may be compromised.
- 6.3 The following transmit configuration or similar is possible, however, caution should apply as self-interference may result on the network thus making the SFN(s) unimplementable. See below said transmit configuration:

Constellation:	256 QAM
FEC/Code Rate:	3/5
Guard Interval	1/16
Location Probability:	95%
FFT size	32Ke
Block length	64800

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Effective minimum usable field strength (CH21): 49.375 dBuV/m

Capacity 33.27 Mb/s

Pilot Pattern PP4

- 7. Radio Frequency Spectrum Assignment Plan to clear the IMT 700 and IMT 800 spectrum of the Broadcasting Services after analogue television switch-off.
- 7.1 The Terrestrial Television Broadcasting Frequencies as registered and Coordinated with ITU and South Africa's six (6) neighbouring countries in accordance with the GE-06 Agreement. Further, South Africa's current DTT frequency plan is also registered with the ITU in accordance with the Geneva 06 and coordinated with South Africa's six (6) neighbouring countries.
- 7.2 The Terrestrial Television Plan contains 1257 frequencies for DTT implementation in the band 470 MHz to 694 MHz. This plan is commonly known as the seven (7) MUX plan since it provides for the deployment of seven multiplexes per transmission point I n an 8 MHz channels per province as per the diagram below. The Figures and maps below summarise the construction of the 7 MUX plan and the multiplex group combinations in the respective provinces.

No.	Group 1	Group 2	Group 3	Group 4
1	CH21	CH22	CH23	CH24
2	CH25	CH26	CH27	CH28
3	CH29	CH30	CH31	CH32
4	CH33	CH34	CH35	CH36
5	CH37	CH38	CH39	CH40
6	CH41	CH42	CH43	CH44
7	CH45	CH46	CH47	CH48

Figure 1

MUX	NC1	NC2	NW	LP1	LP2	MP	KZN	GP	wc	EC	FS
MX1	3 (CH23)	4 (CH24)	2 (CH22)	1 (CH21)	2 (CH22)	3 (CH23)	2 (CH22)	4 (CH24)	1 (CH21)	3 (CH23)	1 (CH21)
MX2	3 (CH27)	4 (CH28)	2 (CH26)	1 (CH25)	2 (CH26)	3 (CH27)	2 (CH26)	4 (CH28)	1 (CH25)	3 (CH27)	1 (CH25)
MX3	3 (CH31)	4 (CH32)	2 (CH30)	1 (CH29)	2 (CH30)	3 (CH31)	2 (CH30)	4 (CH32)	1 (CH29)	3 (CH31)	1 (CH29)
MX4	3 (CH35)	4 (CH36)	2 (CH34)	1 (CH33)	2 (CH34)	3 (CH35)	2 (CH34)	4 (CH36)	1 (CH33)	3 (CH35)	1 (CH33)
MX5	3 (CH39)	4 (CH40)	2 (CH38)	3 (CH39)	1 (CH37)	2 (CH38)	4 (CH40)	4 (CH40)	1 (CH37)	2 (CH38)	1 (CH37)
MX6	3 (CH43)	4 (CH44)	2 (CH42)	3 (CH43)	1 (CH41)	2 (CH42)	3 (CH43)	4 (CH44)	1 (CH41)	2 (CH42)	1 (CH41)
MX7	3 (CH47)	4 (CH48)	2 (CH46)	3 (CH47)	1 (CH45)	2 (CH46)	3 (CH47)	4 (CH48)	1 (CH45)	2 (CH46)	1 (CH45)

Figure 2

- 7.3 It should be noted that the frequency assignments were slightly distorted to reduce interference to broadcasting service licensees in other countries.
- 7.4 The Terrestrial Television Plan also allowed for eSwatini (Kingdom of) and Lesotho (Kingdom of) to be included in the Digital Frequency Network (DFN) structure. In contrasts, the conventional Multi Frequency Network (MFN) frequency plan approach would have provided only a maximum of four (4) national multiplexes for South Africa.
- 7.5 The maps below indicate the respective SFN's per province on a national basis and the channels that will be used per province. Theoretically it is also possible to create a national country wide SFN which would have created 28 national SFN's each offering an 8 MHz channel. The plan as it currently stands can be further expanded to include localised MFN services per site as and where required.

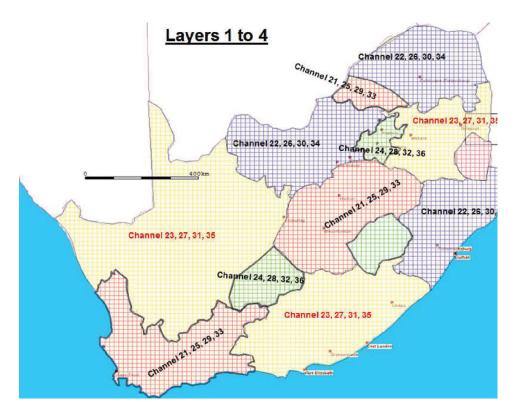


Figure 3

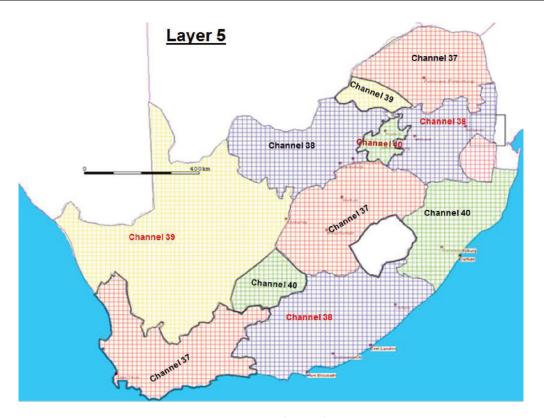


Figure 4

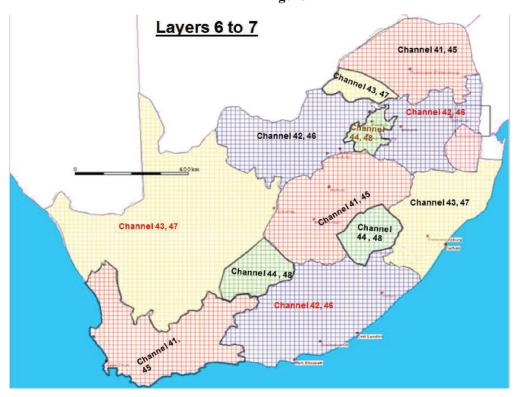


Figure 5

- The current plan for Analogue Switch Off (ASO) is to launch DTT on a MFN thus compelling a second migration phase before being able to release IMT700 and IMT800 spectrum. This approach also implies an extended dual illumination phase (where analogue and digital television operational in the band 470 MHz to 860 MHz) before releasing the IMT spectrum after the second migration phase and ASO.
- 7.7 It is currently envisaged that all analogue services will be switched off by 2020 after which the restacking process (anticipated to require an additional two (2) years) will start to fully release IMT700 and IMT800 spectrum by around 2022.
- 7.8 Whereas the Authority initially developed the coordinated 7MUX frequency plan for South Africa it now intends to develop an implementation strategy for this plan whereby the ASO process can be accelerated to ensure the earliest possible release of Dividend 1 and Dividend 2 spectrum for IMT use.
- 7.9 The purpose of this approach is to describe and offer the compilation of this accelerated digital deployment and ASO plan. The scenario where the Guard Interval is smaller than the specified Guard Interval will lead to self-interference in the network. This RFSAP therefore emphasise that the transmission parameters must comply with the above specified transmission configuration. This is to ensure the envisaged optimised implementation of the DTT Plan in Annexure A and Annexure B is realised within the envisage immediate implementation.

8. Re-Alignment of DTT Multiplexes

- After analogue switch-off the operational frequencies will be re-aligned in accordance with Annexure J of the Terrestrial Broadcasting Plan 2013, as amended. In order to ensure re-alignment from analogue television switch to SFN, Annexure J of the Terrestrial Broadcasting Plan 2013, as amended, has been revised into **Annexure A** and **Annexure B** of this RFSAP.
- 8.2 To create a plan with the least possible interference the large SFN's were broken up into smaller SFN's in some provinces. In **Annexure A** and **Annexure B**.
- 8.3 The Freq (MHz) and CH are the frequency and associated channel number at which the service shall be implemented in transitional phase to ensure that the IMT 700 and IMT 800 frequencies

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- can immediately be released after analogue switch-off. The Transitional Phase is the time period taken to Switch Analogue Frequencies directly to the Digital Single Frequency Network (SFN).
- 8.4 In the transitional phase there are no DTT assignments above 694 MHz. The final phase includes the frequencies and its associated final channel numbers which the station will operate in the provincial SFN network. The envisaged analogue switch-off dates per province to ensure the release IMT700 and IMT 800 frequencies are as follows:

Item	Province	Frequency Migration to channel below 694 MHz	Analogue Switch-off Date
1	Free State	Phase 1 Starts	Phase 1 Ends
		(0 Month)	(4 Months)
2	Northern Cape	Phase 2 starts	Phase 2 Ends
	_	(2 Months)	(4 Months)
3	Limpopo Province	Phase 3 Starts	Phase 3 Ends
		(2 Months)	(4 Months)
4	North West	Phase 4 Starts	Phase 4 Ends
		(2 Months)	(4 Months)
5	Mpumalanga	Phase 5 Starts	Phase 5 Ends
		(2 Months)	(4 Months
6	Gauteng	Phase 6 Starts	Phase 6 Ends
	-	(2 Months)	(4 Months)
7	Western Cape	Phase 7 Starts	Phase 7 Ends
		(2 Months)	(4 Months)
8	Kwa-Zulu Natal	Phase 8 Starts	Phase 8 Ends
		(2 Months)	(4 Months)
9	Eastern Cape	Phase 9 Starts	Phase 9 Ends
	Ŷ	(2 Months)	(4 Months)

NB: The timelines are to be adjusted in accordance with the Policy imperatives and the representations from Industry based on a workable plan.

- 8.5 The Authority aim that the IMT700 and IMT800 shall be clear from the broadcaster by end of the first semester of 2021.
- 8.6 The main advantages of changing all Multi- Frequency Network (MFN) DTT assignments below CH49 Single Frequency Network (SFN) before starting the analogue switch-off are as following:

- 8.6.1 the first migration of all analogue stations interfered with by DTT stations can be initiated These transmitter stations affected is included in Appendix E;
- 8.6.2 South Africa can then initiate the migration of all Digital Dividend 1 ("DD1") analogue transmitters to Digital in order to clear the DD1 dividend (790 to 860 MHz);
- 8.6.3 South Africa can then initiate the migration all Digital Dividend 2 ("DD2") analogue transmitters to Digital in order to clear the DD2 dividend (694 to 790 MHz); and
- 8.6.4 broadcasting service licensees can then migrate all analogue TV services in the band (470 to 694 MHz) at a pace that will not impact negatively on the broadcasters.

9. Requirements for usage of Radio Frequency Spectrum

- 9.1 This section covers the minimum key characteristics considered necessary to make the best use of the available frequencies.
- 9.2 The use of the 470 TO 694 MHz Frequency band is limited for DTT services and only systems using digital technologies that promote spectral efficiency will be issued with an assignment. Capacity enhancing digital techniques are being rapidly developed and such techniques that promote efficient use of spectrum, without reducing quality of service are encouraged. In some cases, a radio system conforming to the requirements of this RFSAP may require modifications if harmful interference is caused to other radio stations or systems.
- 9.3 The allocation of spectrum and shared services within these bands are found in the NRFP and an extract of NRFP 2018 is shown in **Appendix A**.
- 9.4 While the maximum radiated power to be allowed is contained in Annexure A and Annexure B of this RFSAP.
- 9.5 In some cases, a radio system conforming to the requirements of this RFSAP may require modifications if harmful interference occurs.
- 9.6 The interference analysis results for digital on analogue transmission during the transitional phase are shown in Annexure C.
- 9.7 Lastly, Criteria and guidelines for interference mitigation are dealt by Joint Spectrum Advisory Group, established in terms of the Digital Migration Regulations, 2012.

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10. Implementation

- 10.1 This RFSAP will come into effect upon publication in the Government Gazette
- 10.2 No new assignment in the frequency range 470 to 694 MHz shall be approved unless they comply with this RFSAP.
- 10.3 The propagation model for use in contained in ITU-R Recommendation P.1546.

11. Co-ordination Requirements

All the frequencies used in this RFSAP have been coordinated and the assignment which have been included in the ITU-R BRIFIC database. All the frequencies used in this RFSAP are either coordinated or fall outside the coordination contour of the assignment which is registered in the BRIFIC ITU database. All coordination has been performed in line with the Geneva 2006 Agreement (GE06).

12. Assignment

The assignments in this frequency band are made in accordance with the procedure for Standard Applications in line with regulation 5 of the Radio Frequency Spectrum Regulations 2015, as amended.

13. Amendment

13.1 Existing Radio Frequency Spectrum Licences must be amended within the timelines in section 9 of this RFSAP, in accordance with regulation 9 of the Radio Frequency Spectrum Regulations 2015, as amended, read with regulation 12 (3) of the Digital Migration Regulations published in the Government Gazette Number 36000 (Notice 1070 of 2012).

14. Radio Frequency Migration

- 14.1 Specific Procedure
- 14.2 Radio Frequency Spectrum Licensees in this band shall migrate in accordance with phases in Annexure A and Annexure B in line with timelines indicated in Section 9 of this RFSAP.
- 14.3 Affected licensees are to apply for an amendment of their spectrum licences where applicable.

Appendix A National Radio Frequency Plan

ITU Region 1 allocations and footnotes	South African allocations and footnotes	Typical Applications	Notes and Comments
470-694 MHz	470-694 MHz		
BROADCASTING	BROADCASTING RADIO	DTT Broadcasting (470-694 MHz)	Broadcasting Allotments in accordance with GE89 and GE06. Broadcast assignments in accordance with the latest version of the Terrestrial Broadcasting
	ASTRONOMY 5.304	Radio Astronomy (606 – 614 MHz)	Frequency Plan as amended (GG No.36321) 02 April 2013. Band IV/V Analogue television is to be migrated to digital television and
		SAP/SAB Applications	ensure harmonisation with SADC. The use of 'White
			Spaces' in this band is under consideration
			(subject to Non
			Interference Non Protection basis to users
			under a primary
			allocation).470 - 606 MHz, max. 50 mW ERP
5.149 5.291A 5.294 5.296 5.300 5.304 5.306 5.311A 5.312	5.149 5.311A		606 - 614 MHz, max. 50 mW ERP

Appendix B Interference Resolution Process

When requesting coordination, the relevant characteristics of the base station and the code or PCI group number should be forwarded to the Administration that is members States of the ITU affected. All of the following characteristics should be Included:

- a) carrier frequency [MHz];
- b) name of transmitter station;
- c) country of location of transmitter station;
- d) geographical coordinates [latitude, longitude];

- e) effective antenna height [m];
- f) antenna polarisation;
- g) antenna azimuth [deg];
- h) antenna gain [dBd];
- i) effective radiated power [dBW];
- j) expected coverage zone or radius [km];
- k) date of entry into service [month, year];
- 1) code group number used; and
- m) antenna tilt [deg].

The Administration affected shall evaluate the request for coordination and shall within 30 days notify the result of the evaluation to the Administration requesting coordination. If in the course of the coordination procedure the Administration affected requires additional information, it may request such information.

If in the course of the coordination procedure, an Administration may request additional information.

If no reply is received by the Administration requesting coordination within 30 days, it may send a reminder to the Administration affected. An Administration not having responded within 30 days following communication of the reminder shall be deemed to have given its consent and the code co-ordination may be put into use with the characteristics given in the request for coordination.

The periods mentioned above may be extended by common consent.

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Appendix C Interference cases per province

DTT frequencies selected from 7 Mux plan to minimize interference on existing analogue. See sections on frequency assignments/allotments.

Easter Cape CH 46 - MUX 1

Interference Herschel CH46 SBC3 - Confirm "on air" Consider Herschel as priority area for Analogue Switch-off

Sterkspruit - Large power difference on adjacent channel 47 - ensure same TX power levels - This will resolve the interference

Aliwal North Goedemoed - Co-Channel on CH46 - switch over to satellite reception

Eastern Cape CH 35- MUX2

Despatch Adjacent Channel with Despatch CH34 - slight interference - ensure same transmission power - This will resolve the interference

Barkley East co-channel CH 35 - slight interference - Increase the power on SBC1 Transmitter with 6 dB to overcome interference

Northern Cape CH31 - MUX 2

No interference predicted

Northern Cape CH24 & CH27 MUX 1

No interference predicted

Western Cape CH33 & CH38 MUX1

No Interference predicted

Western Cape CH29 MUX2

Graafwater interfered by Piketberg - Graafwater Self-help viewers to migrate to satellite immediately

Northern Province Mux 1 & 2 Area A

No interference CH21 & CH33

Northern Province Mux 1 Area B CH26

No Interference

Northern Province Mux 2 Area B CH30

No Interference

Mpumalanga Mux1 CH35

Slight Interference Davel etv CH34 on outskirts (complementary coverage available) and Steelpoort Legobo SBC3 Self-Help

Mpumalanga Mux 2 CH31

Light interference in Davel CH30 Coverage (SABC1)

North West Mux 1 CH34

No interference problems

North West Mux 2 CH46

No interference problems - Mux2 split not required

Gauteng Mux 1 CH 36

No interference predicted

Gauteng Mux 2 CH 44

There is some interference on the Potgietersrus etv transmission on CH44 near Nylstroom. Pretoria etv CH29 offer Complementary Coverage. Prioritize analogue switch-off in Potgietersrus coverage area near Nylstroom

KwaZulu-Natal Mux 1 CH 30

Interference on Maqabaqabeni SBC3 CH30 - Confirm "on air" If "On Air" treat as priority area for Analogue "switch off"

KwaZulu-Natal Mux 2 CH 40

No Interference

Free State Mux 1 CH21

Koffiefontein (CH21) SBC1, Phillipolis (CH21) SBC2, Marquard (CH21) SBC1, Manguzi (CH21) SBC1.

Free State Mux 2 CH25

Grootvlei Eskom (CH25) SBC2, Marquard (CH25) SBC1, Manguzi (CH25) SBC1.

Population in areas where interference is possible

Item	Program	People located in area	Percentage people located in area
1	etv	56 724	0.10%
2	SABC1	260921	0.45%
3	SABC2	58305	0.10%
4	SABC3	96122	0.17%

Important remarks

Figures above reflects the maximum number of people located in the areas where interference is possible. Population figures do not include households that already migrated to DTT or DTH (indication is that 60%).

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of television viewers already migrated to DTH or DTT). Most viewers affected will experience slight interference on analogue TV program. As such, Special efforts should be made to migrate affected viewers and others to DTT & DTH as soon as possible to avoid interference. Emphasis should be placed on migration of analogue television viewers who experience interference and where the frequency is transmitted above the 694 MHz to release the spectrum for IMT.

Appendix F Example of SFN Frequencies included in the ITU BRIFIC for Italy: **Channel 26 with 230 SFN Transmitter Stations**



ANNEXURE A

No.	MUX	DTT	TX-N ame	Freq. (MHz)	СН	ERP (kW)	Longitude	Latitude	Province	Pol.	SFN Id	СН	Freq. (MHz)
1	1	DVB-T2	MOUNT AYLIFF	634	41	50	029°23'41.000"	-30°50'11.000"	EC	Н	EC1	46	674
2	1	DVB-T2	NGANGELIZWE	674	46	0.2	028°48'31.000"	-31°37'15.000"	EC	Н	EC1	46	674
3	1	DVB-T2	NGQELENI	674	46	10	029°07'34.000'	-31°45'57.000"	EC	V	EC1	46	674
4	1	DVB-T2	NOUPOORT	498	24	10	024°56'01.000'	-31°18'14.000"	EC	Н	EC1	46	674
5	1	DVB-T2	PATENSIE	674	46	0.05	024°49'43.000"	-33°45'37.000"	EC	V	EC1	46	674
6	1	DVB-T2	PAUL SAUER DAM	674	46	0.1	024°33'43.000'	-33°45'13.000"	EC	V	EC1	46	674
7	1	DVB-T2	PORT ELIZABETH	674	46	72	025°26'29.000'	-33°56'10.000"	EC	Н	EC1	46	674
8	1		PORT ELIZABETH CITY	674	46	2	025°35'31.000'	-33°55'28.000"	EC	V	EC1	46	674
9	1	DVB-T2	PORTST JOHNS	674	46	10	029°31'39.000'	-31°36'39.000"	EC	Н	EC1	46	674
10	1	DVB-T2	QUEENSTOWN	674	46	58	026°47'05.000"	-31°43'56.000"	EC	Н	EC1	46	674
11	1	DVB-T2	SOMERSET EAST	674	46	0.125	025°34'41.000"	-32°42'45.000"	EC	V	EC1	46	674
12	1	DVB-T2	STERKSPRUIT	674	46 46	20	027°16'14.000' 029°50'53.000'	-30°41'44.000" -30°20'49.000"	EC	V	EC1	46 46	674 674
14	1	DVB-T2 DVB-T2	STRA ALH OEK SUURBERG	674 674	46	10 40	029°50'53.000' 025°34'29.000'	-30°20'49.000"	EC EC	H	EC1 EC1	46	674
15	1	DVB-T2	UGIE	674	46	0.7	023°58'26.000"	-31°11'28.000"	EC	V	EC1	46	674
16	1	DVB-T2	UMTATA	674	46	10	028°44'36.000"	-31 11 28.000" -31°35'48.000"	EC	H	EC1	46	674
17	1	DVB-T2	WILLOWMORE	674	46	10	028°44'30.000' 023°27'36.000'	-31 33 48.000" -33°14'05.000"	EC	H	EC1	46	674
18	1	DVB-T2	ALIWAL NORTH	674	46	50	026°34'00.000'	-30°47'05.000"	EC	H	EC1	46	674
19	1	DVB-T2	A NDRIE SK RA AL	674	46	0.1	024°42'35.000'	-33°46'42.000"	EC	V	EC1	46	674
20	1	DVB-T2	BARKLY EAST	674	46	0.5	027°26'00.000'	-30°51'30.000"	EC	V	EC1	46	674
21	1	DVB-T2	BEDFORD	674	46	10	026°02'57.000"	-32°37'57.000"	EC	Н	EC1	46	674
22	1	DVB-T2	BURGERSDORP	674	46	0.25	026°20'21.000'	-31°00'02.000"	EC	V	EC1	46	674
23	1	DVB-T2	BUTTERWORTH	674	46	10	028°12'25.000'	-32°16'35.000"	EC	Н	EC1	46	674
24	1	DVB-T2	CALA	674	46	20	027°45'02.000"	-31°33'15.000"	EC	V	EC1	46	674
25	1	DVB-T2	CRADOCK	674	46	20	025°32'27.000"	-32°18'01.000"	EC	Н	EC1	46	674
26	1	DVB-T2	DESPATCH	674	46	2	025°25'29.000'	-33°45'53.000"	EC	V	EC1	46	674
27	1	DVB-T2	EAST LONDON	674	46	63	027°48'58.000'	-32°56'20.000"	EC	Н	EC1	46	674
28	1	DVB-T2	ELANDS HEIGHT	674	46	100	028°07'10.000'	-30°47'44.000"	EC	Н	EC1	46	674
29	1	DVB-T2	ENGCOBO	674	46	10	028°00'34.000"	-31°39'20.000"	EC	V	EC1	46	674
30	1	DVB-T2	ENTSHATSHONGO	674	46	50	028°40'10.000"	-32°08'39.000"	EC	V	EC1	46	674
31 32	1	DVB-T2 DVB-T2	GRAAFF-REINET	674 674	46 46	28 65	024°27'04.000"	-32°04'44.000" -33°17'15.000"	EC EC	H	EC1 EC1	46 46	674 674
33	1	DVB-12 DVB-T2	GRAHAMSTOWN HANKEY	674	46	0.04	026°42'31.000' 024°52'12.000'	-33°1/15.000"	EC	V	EC1	46	674
34	1	DVB-T2	HOLY CROSS	674	46	30	029°38'25.000"	-31°07'56.000"	EC	v	EC1	46	674
35	1	DVB-T2	KAREEDOUW	674	46	5	024°25'48.000"	-34°01'29.000"	EC	H	EC1	46	674
36	1		KING WILLIAMS TOWN	674	46	18	027°15'36.000'	-32°40'44.000"	EC	Н	EC1	46	674
37	1	DVB-T2	KIRKWOOD	674	46	0.1	025°26'53.000'	-33°23'22.000"	EC	V	EC1	46	674
38	1	DVB-T2	ELLIOT	674	46	0.8	027°51'57.000'	-31°10'36.000"	EC	V	EC1	46	674
39	1	DVB-T2	PETRUS STEYN	474	21	20	028°19'06.000'	-27°30'51.000"	FS	Н	FS1	21	474
40	1	DVB-T2	SENEKAL	474	21	10	027°30'26.000"	-28°15'19.000"	FS	Н	FS1	21	474
41	1	DVB-T2	SPRINGFONTEIN	474	21	20	025°46'08.000'	-30°16'14.000"	FS	Н	FS1	21	474
42	1		UIDRAND (KROONSTAI	474	21	0.25	027°14'16.000'	-27°41'18.000"	FS	V	FS1	21	474
43	1	DVB-T2	THEUNISSEN	546	30	34	026°34'50.000'	-28°11'55.000"	FS	Н	FS1	21	474
44	1	DVB-T2	WITSIESHOEK	474	21	10	028°50'49.000'	-28°31'04.000"	FS	V	FS1	21	474
45	1	DVB-T2	BETHLEHEM	474	21	50	028°29'58.000'	-28°14'10.000"	FS	Н	FS1	21	474
46 47	1	DVB-T2 DVB-T2	B LOEMFONTEIN B OESMA NSK OP	474 474	21	100	026°13'50.000' 027°12'55.000'	-29°06'13.000" -30°00'28.000"	FS FS	H	FS1 FS1	21	474 474
48	1	DVB-T2	FICK SBURG TOWN	474	21	0.1	027°51'27.000"	-30°00′28.000′ -28°52'36.000″	FS	V	FS1	21	474
49	1	DVB-T2	HARRISMITH 074	474	21	50	029°06'25.000"	-28°15'18.000"	FS	v	FS1	21	474
50	1	DVB-T2	KROONSTAD	474	21	50	027°11'10.000"	-27°25'16.000"	FS	H	FS1	21	474
51	1	DVB-T2	LADYBRAND	474	21	10	027°22'42.000'	-29°10'18.000"	FS	Н	FS1	21	474
52	1	DVB-T2	DEWETSDORP	474	21	0.01	026°39'37.000'	-29°34'44.000"	FS	V	FS1	21	474
53	1	DVB-T2	MONDEOR	594	36	0.5	027°59'37.000"	-26°16'54.000"	GP	V	GP1	36	594
54	1	DVB-T2	MULBARTON	594	36	0.03	028°03'56.000"	-26°17'36.000"	GP	V	GP1	36	594
55	1	DVB-T2	PRETORIA	594	36	70	027°59'03.000'	-25°41'20.000"	GP	Н	GP1	36	594
56	1	DVB-T2	PRETORIA NORTH	594	36	0.25	028°10'07.000"	-25°41'25.000"	GP	V	GP1	36	594
57	1	DVB-T2	SUNNYSIDE	594	36	20	028°12'24.000"	-25°45'53.000"	GP	V	GP1	36	594
58	1	DVB-T2	WELVERDIEND	594	36	90	027°14'55.000'	-26°26'47.000"	GP	Н	GP1	36	594
59	1	DVB-T2	BEZ VALLEY	594	36	0.5	028°05'04.000"		GP	V	GP1	36	594
60	1	DVB-T2	HEIDELBERG	594	36	1	028°20'53.000"	-26°29'19.000"	GP	V	GP1	36	594

No.	MUX	DTT	TX-Name	Freq. (MHz)	СН	ERP (kW)	Longitude	Latitude	Province	Pol	SFN Id	СН	Freq. (MHz)
61	1	DVB-T2	HELDERKRUIN	594	36	20	027°51'32.000'	-26°06'05.000"	GP	V	GP1	36	594
62	1	DVB-T2	JOH ANNE SB URG	594	36	50	028°00'26.000'	-26°11'31.000"	GP	Н	GP1	36	594
63	1	DVB-T2	LINMEYER	594	36	0.1	028°04'16.000'	-26°16'08.000"	GP	V	GP1	36	594
64	1	DVB-T2	MENLO PARK	594	36	0.2	028°16'09.000'	-25°46'15.000"	GP	V	GP1	36	594
65	1	DVB-T2	MOOI RIVER	546	30	10	029°52'04.000'	-29°11'07.000'	KN	Н	KZ1	30	546
66	1	DVB-T2	NEWCASTLE	546	30	1	029°57'12.000'	-27°43'07.000"	KN	V	KZ1	30	546
67	1	DVB-T2	NONGOMA	658	44	10	031°39'27.000'	-27°54'18.000"	KN	Н	KZ1	30	546
68	1	DVB-T2	NQUTU	546	30	15.1	030°40'42.000'	-28°15'43.000"	KN	V	KZ1	30	546
69	1	DVB-T2	OVERPORT	674	46	26	030°59'44.000'	-29°50'12.000"	KN	V	KZ1	30	546
70	1	DVB-T2	PIETERMA RITZB URG	546	30	20	030°19'49.000'	-29°34'47.000"	KN	V	KZ1	30	546
71	1	DVB-T2	PONGOLA	658	44	1.5	031°39'00.000'	-27°31'34.000"	KN	V	KZ1	30	546
72	1	DVB-T2	PORT SHEPSTONE	546	30	74	030°17'17.000'	-30°44'07.000"	KN	Н	KZ1	30	546
73	1	DVB-T2	QUDENI	546	30	75	030°51'59.000'	-28°38'03.000"	KN	V	KZ1	30	546
74	1	DVB-T2	THE BLUFF	546	30	2.5	031°00'45.000'	-29°54'40.000"	KN	V	KZ1	30	546
75	1	DVB-T2	UBOMBO	650	43	50	032°04'52.000'	-27°33'42.000"	KN	Н	KZ1	30	546
76	1	DVB-T2	ULUNDI	546	30	50	031°23'38.000'	-28°27'00.000"	KN	V	KZ1	30	546
77	1	DVB-T2	VERULAM	546	30	0.01	031°02'19.000'	-29°38'25.000"	KN	V	KZ1	30	546
78	1	DVB-T2	VRYHEID	546	30	10	030°47'38.000'	-27°44'27.000"	KN	Н	KZ1	30	546
79	1	DVB-T2	DONNYBROOK	546	30	60	029°51'19.000'	-29°54'56.000"	KN	Н	KZ1	30	546
80	1	DVB-T2	DURBAN	546	30	100	030°43'00.000'	-29°46'11.000"	KN	Н	KZ1	30	546
81	1	DVB-T2	EMPA NGENI	578	34	0.25	031°53'31.000'	-28°44'38.000"	KN	V	KZ1	30	546
82	1	DVB-T2	ESHOWE	546	30	63	031°17'37.000'	-28°51'29.000'	KN	Н	KZ1	30	546
83	1	DVB-T2	ESTCOURT	546	30	0.1	029°51'56.000'	-29°00'55.000"	KN	V	KZ1	30	546
84	1	DVB-T2	GLENCOE	546	30	50	029°56'51.000'	-28°09'04.000"	KN	Н	KZ1	30	546
85	1	DVB-T2	GREY TOWN	546	30	10	030°32'10.000'	-29°00'46.000"	KN	Н	KZ1	30	546
86	1	DVB-T2	GREYTOWNDORP	546	30	1	030°36'48.000'	-29°02'05.000"	KN	V	KZ1	30	546
87	1	DVB-T2	HOWICK	546	30	0.04	030°13'52.000'	-29°30'13.000"	KN	V	KZ1	30	546
88	1	DVB-T2	KOKSTAD	546	30	0.4	029°29'24.000'	-30°36'42.000"	KN	V	KZ1	30	546
89	1	DVB-T2	LADY SMITH	546	30	1	029°47'19.000'	-28°35'23.000"	KN	V	KZ1	30	546
90	1	DVB-T2	LOSKOP	546	30	1.5	029°12'42.000'	-28°39'41.000"	KN	V	KZ1	30	546
91	1	DVB-T2	LOUWSBURG	658	44	15	031°16'32.000'	-27°33'44.000"	KN	V	KZ1	30	546
92	1	DVB-T2	MATATIELE	546	30	10	028°49'19.000'	-30°23'45.000"	KN	Н	KZ1	30	546
93	1	DVB-T2	NYLSTROOM	474	21	1	028°25'59.000'	-24°47'58.000"	L	V	LP1A	21	474
94	1	DVB-T2	POTGIETERSRUS	514	26	62	029°14'10.000'	-24°09'24.000"	L	Н	LP 1B	26	514
95	1	DVB-T2	SIBASA	514	26	16	030°26'54.000'	-22°56'57.000"	L	V	LP 1B	26	514
96	1	DVB-T2	THABAZIMBI	474	21	67	027°36'51.000'	-24°27'59.000"	L	Н	LP1A	21	474
97	1	DVB-T2	TZANEEN	514	26	80	030°00'17.000'	-23°47'06.000"	L	Н	LP 1B	26	514
98	1	DVB-T2	GABA	514	26	8	030°42'25.000'	-22°47'02.000"	L	V	LP 1B	26	514
99	1	DVB-T2	MALAMBA	514	26	0.2	030°15'09.000'	-22°53'56.000"	L	V	LP 1B	26	514
100	1	DVB-T2	TOLWE	514	26	16	028°27'29.000'	-23°04'59.000"	L	V	LP1B	26	514
101	1	DVB-T2	DZAMBA	514	26	1	030°18'41.000'	-22°49'05.000"	L	V	LP 1B	26	514
102	1	DVB-T2	LOUIS TRICHARDT	514	26	23	029°45'26.000'	-23°00'02.000"	L	V	LP 1B	26	514
103	1	DVB-T2	TSHAMAVUDZI	514	26	5	030°31'42.000'	-22°39'15.000"	L	V	LP 1B	26	514
104	1	DVB-T2	HOEDSPRUIT	586	35	10	030°52'08.000'	-24°32'30.000"	L	Н	MP1	35	586
105	1	DVB-T2	MIDDELBURG	586	35	50	029°23'24.000'	-25°49'04.000"	MP	H	MP1	35	586
106	1	DVB-T2	NELSPRUIT	586	35	76	030°46'33.000'	-25°30'55.000"	MP	H	MP1	35	586
107	1	DVB-T2	PIET RETIEF	586	35	76	030°41'03.000'	-27°01'11.000"	MP	Н	MP1	35	586
108	1	DVB-T2	SABIE	586	35	0.1	030°45'34.000'	-25°07'44.000"	MP	V	MP1	35	586
109	1	DVB-T2	STANDERTON	586	35	0.25	029°12'51.000'	-26°57'37.000"	MP	V	MP1	35	586
110	1	DVB-T2	VOLK SRUST	610	38	15	029°53'14.630'	-27°18'36.000"	MP	H	MP1	35	586
111	1	DVB-T2	BURGERSFORT	586	35	50	030°19'48.000'	-24°40'05.000"	MP	H	MP1	35	586
112	1	DVB-T2	CAROLINA	586	35	10	030°37'57.000'	-26°10'37.000"	MP	H	MP1	35	586
113	1	DVB-T2	DAVEL	610	38	50	029°37'26.000'	-26°27'30.000"	MP	H	MP1	35	586
114	1	DVB-T2	DULLSTROOM	586	35	10	030°11'17.000'	-25°34'21.000"	MP	H	MP1	35	586
115	1	DVB-T2	HECTORSPRUIT	586	35	0.631	031°36'20.000'	-25°28'47.000"	MP	V	MP1	35	586
116	1	DVB-T2	LYDENBURG	586	35	0.1	030°26'04.000'	-25°06'19.000"	MP	V	MP1	35	586
117	1	DVB-T2	MBUZINI	586	35	20	031°54'53.000'	-25°52'26.000"	MP	V	MP1	35 27	586
118	1	DVB-T2	POFA DDER	522	27	30	018°56'25.000'	-29°14'30.000"	NC	H	NC1A	_	522
119	1	DVB-T2	PRIESKA	522	27	10	022°36'57.000'	-29°40'52.000"	NC NC	H	NC1A	27	522
120	1	DVB-T2	SPRINGBOK	522	27	10	017°48'29.000'	-29-35/04.000"	NC	Н	NC1A	27	522

No.	MUX	DTT	TX-Name	Freq. (MHz)	СН	ERP (kW)	Longitude	Latitude	Province	Pol	SFN Id	СН	Freq. (MHz)
121	1	DVB-T2	UPINGTON	586	35	50	021°44'12.000'	-28°52'56.000"	NC	Н	NC1A	27	522
122	1	DVB-T2	UPINGTON TOWN	586	35	0.4	021°12'00.000'		NC	V	NC1A	27	522
123	1	DVB-T2	VICTORIA WEST	498	24	0.5	023°13'50.000'		NC	Н	NC1B	24	498
124	1	DVB-T2	WILLISTON	522	27	0.1	020°55'08.000'		NC	H	NC1A	27	522
125	1	DVB-T2	ALEXANDER BAY	522	27	0.1	016°29'49.000'		NC	V	NC1A	27	522
126	1	DVB-T2	CALVINIA	522	27	10	019°46'57.000'		NC	H	NC1A	27	522
127	1	DVB-T2	COLESBERG	498	24	0.5	025°03'28.000"		NC	V	NC1B	24	498
128	1	DVB-T2	DE AAR	626 522	40 27	50 10	023°59′16.000′		NC NC	H	NC1B	24	498 522
130	1	DVB-T2 DVB-T2	DOUGLAS GARIES	522	27	50	023°31'49.000' 018°04'43.000'	-29°04'14.000" -30°18'52.000"	NC NC	H	NC1A NC1A	27	522
131	1	DVB-T2	KIMBERLEY	474	21	68	018 04 43.000 024°54'19.000'	-30 18 32.000 -28°51'14.000"	NC	Н	FS1	21	474
132	1	DVB-T2	KURUMAN	578	34	5	023°18'49.000"		NC	H	NW1	34	578
133	1	DVB-T2	KURUMAN HILLS	522	27	80	023°33'38.000"		NC	H	NC1A	27	522
134	1	DVB-T2	MOTSWEDI	578	34	7	025°52'18.000"		NC	H	NW1	34	578
135	1	DVB-T2	PIET PLESSIS	578	34	10	024°49'55.000"		NW	Н	NW1	34	578
136	1	DVB-T2	POMFRET	578	34	20	023°34'44.000"		NW	V	NW1	34	578
137	1	DVB-T2	RUSTENBURG	578	34	32	027°07'06.000"		NW	Н	NW1	34	578
138	1	DVB-T2	SUPINGSTAD	578	34	10	026°01'36.000'	-24°47'20.000"	NW	V	NW1	34	578
139	1	DVB-T2	SWARTRUGGENS	578	34	1	026°48'09.000"	-25°40'59.000"	NW	V	NW1	34	578
140	1	DVB-T2	TAUNG	578	34	18	024°37'00.000"	-27°31'30.000"	NW	Н	NW1	34	578
141	1	DVB-T2	ZEERUST	578	34	63	026°02'51.000"	-25°51'37.000"	NW	Н	NW1	34	578
142	1	DVB-T2	SCHWEIZER RENEKE	578	34	100	025°13'07.000"	-27°08'13.000"	NW	Н	NW1	34	578
143	1	DVB-T2	CHRISTIANA	578	34	10	024°55'50.000'	-27°53'03.000"	NW	Н	NW1	34	578
144	1	DVB-T2	ENZELSBERG	578	34	2	026°13'16.000'	-25°25'07.000"	NW	Н	NW1	34	578
145	1	DVB-T2	GANYESA	578	34	61	024°16'00.000"	-26°36'12.000"	NW	Н	NW1	34	578
146	1	DVB-T2	GROOT MARICO	578	34	10	026°26'08.000"		NW	V	NW1	34	578
147	1	DVB-T2	KLERK SDORP	578	34	50	026°24'29.000'	-26°45'14.000"	NW	Н	NW1	34	578
148	1	DVB-T2	MADIBOGO	578	34	4	025°15'14.000'		NW	Н	NW1	34	578
149	1	DVB-T2	MONTAGU	570	33	0.125	020°08'37.000'		WC	V	WC1	33	570
150	1	DVB-T2	NAPIER	666	45	1	019°53'33.000'		WC	Н	WC1	33	570
151	1	DVB-T2	OUDTSHOORN	570	33	100	022°16'02.000'	-33°40'16.000"	WC	Н	WC1	33	570
152	1	DVB-T2	PAARL	610	38	4	018°56'23.000"		WC	V	WC1	33	570
153	1	DVB-T2	PIKETBERG	570	33	56	018°44'19.000'		WC	Н	WC1	33	570
154	1	DVB-T2	PLETTENBERG BAY	570	33	0.125	023°22'25.000'		WC	V	WC1	33	570
155	1	DVB-T2	RIVERSDALE	666	45	160	021°07'41.000'		WC	H	WC1	33	570
156	1	DVB-T2	SEA POINT	610	38	0.4	018°23'51.000'		WC	V	WC1	33	570
157	1	DVB-T2	SIMONSTOWN	610	38	2	018°25'37.000'		WC	v	WC1	33	570
158	1	DVB-T2 DVB-T2	STELLENBOSCH	610 610	38	0.8	018°52'10.000"	-33°54'59.000"	WC WC	v	WC1 WC1	33	570 570
159 160	1	DVB-T2	TABLE MOUNTAIN	570	33	0.05	018°24'13.000' 020°01'12.000'	-33°57'25.000" -33°20'59.000"	WC	V	WC1	33	570
161	1	DVB-T2	TOUWSRIVIER TYGERBERG	610	38	50	018°35'46.000'		WC	v	WC1	33	570
162	1	DVB-T2	UNIONDALE	666	45	2.5	023°03'02.000'		WC	V	WC1	33	570
163	1	DVB-T2	UNIONDALE TOWN	570	33	0.025	023 °07'36.000'		WC	v	WC1	33	570
164	1	DVB-T2	VAN RHYNSDORP	570	33	50	018°41'24.000'		WC	Н	WC1	33	570
165	1	DVB-T2	VILLIERSDORP	666	45	60	019°30'25.000"		WC	H	WC1	33	570
166	1	DVB-T2	AURORA	610	38	0.25	019°38'29.000'	-33°49'39.000"	WC	V	WC1	33	570
167	1	DVB-T2	BEAUFORT WEST	570	33	60	022°30'25.000"	-32°15'29.000"	WC	Н	WC1	33	570
168	1	DVB-T2	CAPE TOWN	610	38	50	018°23'15.000"		WC	V	WC1	33	570
169	1	DVB-T2	CERES	666	45	11	019°27'32.000"	-33°15'10.000"	WC	v	WC1	33	570
170	1	DVB-T2	CLIFTON	610	38	0.1	018°22'37.000'		WC	Н	WC1	33	570
171	1	DVB-T2	FISHHOEK	610	38	0.1	018°26'12.000'		WC	V	WC1	33	570
172	1	DVB-T2	FRANSCHHOEK	570	33	2	019°04'26.000"	-33°54'26.000"	WC	V	WC1	33	570
173	1	DVB-T2	GEORGE	570	33	34	022°27'04.000'	-33°5 <i>5</i> '38.000"	WC	Н	WC1	33	570
174	1	DVB-T2	GRABOUW	610	38	1	018°58'03.000"	-34°06'05.000"	WC	V	WC1	33	570
175	1	DVB-T2	GROOT BRAKRIVIER	570	33	0.25	022°13'00.000"	-34°02'31.000"	WC	V	WC1	33	570
176	1	DVB-T2	HERMANUS	570	33	0.6	019°13'18.000'	-34°24'48.000"	WC	V	WC1	33	570
177	1	DVB-T2	HEXRIVIER	570	33	0.1	019°39'23.000'		WC	V	WC1	33	570
178	1	DVB-T2	HOUTBAY	610	38	4	018°20′56.000′		WC	V	WC1	33	570
179	1	DVB-T2	KLEINMOND	570	33	2	019°08'28.000'	-34°23'22.000"	WC	V	WC1	33	570
180	1	DVB-T2	KNYSNA	498	24	0.5	023°02'31.000'	-34°04'17.000"	WC	V	WC1	33	570
181	1	DVB-T2	LADISMITH (CAPE)	570	33	10	021°25'18.000'		WC	Н	WC1	33	570
182	1	DVB-T2	MATJIESFONTEIN	666	45	20	020°30'20.000"	-33°16'52.000"	WC	Н	WC1	33	570

STAATSKOERANT, 6 DESEMBER 2019

Note 1: Freq (MHz) and CH are the frequency and associated channel number at which the service shall be implemented in order to ensure that the IMT 700 and IMT 800 frequencies in order to clear the Frequency Band after analogue switch-off.

Note 2: No DTT assignments are above 694 MHz.

Note 3: Final Frequency and the associated final channel number is the frequency at which the station will operate in the provincial SFN network.

Note 4: In order to create a plan with the least possible interference the large SFN's were broken up into smaller SFN's in some provinces.

ANNEXURE B

1	No.	MUX	DTT	TX-Name	Freq.	СН	ERP	Longitude	Latitude	Prov ince	Pol.	SFN	СН	Freq.
2	1	2	DVB-T2	QUEENSTOWN	(11222)	35	(2277)	026°47'05.000"	-31°43'56.000"	EC	н		35	586
1	2	2		GRAHAMSTOWN	586	35	65	026°42'31.000"	-33°17'15.000"	EC	н	EC2	35	586
5	3	2	DVB-T2	UMTATA	658	44	10	028°44'36.000"	-31°35'48.000"	EC	н	EC2	35	586
5	4	2	DVB-T2	KING WILLIAMS TOWN	658	44	18.02	027°15'36.000"	-32°40'44.000"	EC	н	EC2	35	586
7		-			658	44					-	EC2	-	586
7	6	2	DVB-T2		586	35	10	029°31'39.000"	-31°36'39.000"	EC	н	EC2	35	586
S	7	2		ALIWAL NORTH	586	35	50	026°34'00.000"		EC	н	EC2	35	586
10 2	8	2	DVB-T2		586	35	40	025°34'29.000"	-33°14'55.000"	EC	н	EC2	35	586
11 2 DVB-T2 SERRISPRUIT 586 35 20 027*16/14.000" SOCI V EC2 33 586 12 2 DVB-T2 PORTELIZABETH 586 55 72 023*26*29.000" SOCI H EC2 33 336 13 2 DVB-T2 PORTELIZABETH 586 55 72 023*26*29.000" SOCI H EC2 33 586 14 2 DVB-T2 PORTELIZABETH CITY 586 35 2 023*35*36*300" S3*56*10.000" EC W EC2 33 586 15 2 DVB-T2 PORTELIZABETH CITY 586 35 2 023*35*29*300" S3*55*10.000" EC W EC2 33 586 16 2 DVB-T2 DESPATCH 586 35 2 023*35*29*300" S3*55*30.000" EC W EC2 33 586 16 2 DVB-T2 THEUNISSEN 682 47 34 026*34*50.000" -28*11*55.000" FS H FS2 25 506 17 2 DVB-T2 SEREKAL 506 25 50.25 027*11*16.000" -28*11*15.000" FS H FS2 25 506 18 2 DVB-T2 SEREKAL 506 25 50 032*29*3000" -28*11*15.000" FS H FS2 25 506 19 2 DVB-T2 SENEKAL 506 25 50 032*29*3000" -28*11*15.000" FS H FS2 25 506 19 2 DVB-T2 SENEKAL 506 25 50 032*29*3000" -28*11*15.000" FS H FS2 25 506 10 2 DVB-T2 SENEKAL 506 25 50 027*125*5000" -28*11*15.000" FS H FS2 25 506 10 2 DVB-T2 SENEKAL 506 25 50 027*125*5000" -28*11*15.000" FS H FS2 25 506 2 DVB-T2 SENEKAL 506 25 50 027*125*5000" -28*11*15.000" FS H FS2 25 506 2 DVB-T2 SENEKAL 506 25 50 027*125*5000" -28*31*04.000" FS H FS2 25 506 2 DVB-T2 WITSIESHOEK 506 25 50 027*11*15.000" FS H FS2 25 506 2 DVB-T2 WITSIESHOEK 506 25 50 028*5049.000" -28*31*04.000" FS H FS2 25 506 2 DVB-T2 SELVENDEN 506 25 50 028*5049.000" -28*31*04.000" FS H FS2 25 506 2 DVB-T2 BLOEMFONTEIN 506 25 50 028*5049.000" -28*31*04.000" FS H FS2 25 506 2 DVB-T2 BLOEMFONTEIN 506 25 50 028*5049.000" -28*0410.000" FS	9	2	DVB-T2	MOUNT AYLIFF	490	23	50	029°23'41.000"	-30°50'11.000"	EC	н	EC2	35	586
12 2 DVB-T2 EAST LONDON	10	2	DVB-T2	NGANGELIZWE	586	35	0.2	028°48'31.000"	-31°37'15.000"	EC	н	EC2	35	586
13 2 DVB-T2 PORT ELIZABETH 586 35 72 025°2629.000° -33°55610.000° EC H EC2 35 586 14 2 DVB-T2 PORT ELIZABETH CITY 586 35 2 025°2529.000° -33°55728.000° EC V EC2 35 586 15 2 DVB-T2 DESPATCH 586 35 2 025°2529.000° -33°55728.000° EC V EC2 35 586 16 2 DVB-T2 THEUNISSEN 682 47 34 026°34′50.000° -33°4573.000° EC V EC2 35 586 16 2 DVB-T2 THEUNISSEN 682 47 34 026°34′50.000° -38°11′55.000° FS H FS2 25 506 17 2 DVB-T2 SEDENAL 506 25 0.25 027°14′16.000° -27°41′18.000° FS H FS2 25 506 19 2 DVB-T2 SEDENAL 506 25 10 027°2730.000° -28°11′19.000° FS H FS2 25 506 19 2 DVB-T2 SEDENAL 506 25 10 027°2730.000° -28°11′19.000° FS H FS2 25 506 19 2 DVB-T2 DESEMANSKOP 506 25 10 027°2742.000° -28°11′18.000° FS H FS2 25 506 12 2 DVB-T2 SEDENAL 506 25 10 027°1275.000° -30°07028.000° FS H FS2 25 506 12 2 DVB-T2 KROONSTAD 506 25 50 027°11′10.000° -30°07028.000° FS H FS2 25 506 12 2 DVB-T2 WITSIESHOEK 506 25 50 027°11′10.000° -30°07028.000° FS H FS2 25 506 25 20 DVB-T2 DECEMONSTAD 506 25 50 027°11′10.000° -30°07038.000° FS H FS2 25 506 25 20 DVB-T2 DECEMONSTAD 506 25 50 027°11′10.000° -27°216.000° FS H FS2 25 506 25 20 DVB-T2 WITSIESHOEK 506 25 50 027°11′10.000° -27°3051.000° FS H FS2 25 506 25 20 DVB-T2 BLOEMFONTEIN 506 25 100 026°13′50.000° -29°0713.000° FS H FS2 25 506 25 20 DVB-T2 BLOEMFONTEIN 506 25 100 026°13′50.000° -29°0713.000° FS H FS2 25 506 25 20 DVB-T2 BLOEMFONTEIN 508 44 50 026°10′50.000° -29°0713.000° FS H FS2 25 506 40 40 40 40 40 40 40	11	2	DVB-T2	STERKSPRUIT	586	35	20	027°16'14.000"	-30°41'44.000"	EC	v	EC2	35	586
14 2 DVB-T2 PORT ELIZABETH CITY 586 35 2 0.25°35′29.630° 33°55′28.000° EC V EC2 35 586 15 2 DVB-T2 DESPATCH 586 35 2 0.25°35′29.000° 33°45′33.000° EC V EC2 35 586 16 2 DVB-T2 THEUNISSIN 682 47 34 0.26°34′50.000° 28°11′55.000° FS H FS2 25 506 17 2 DVB-T2 SUIDRAND 506 25 0.25 0.27°14′16.000° 27°41′18.000° FS H FS2 25 506 18 2 DVB-T2 BETHLEHEM 506 25 0.05 0.28°29′8.000° 28°11′9.000° FS H FS2 25 506 19 2 DVB-T2 SENEKAL 506 25 10 0.27°30′60°00° 28°11′9.000° FS H FS2 25 506 19 2 DVB-T2 SENEKAL 506 25 10 0.27°30′60°00° 28°11′9.000° FS H FS2 25 506 10 2 DVB-T2 LADVBRAND 506 25 10 0.27°30′60°00° 28°11′9.000° FS H FS2 25 506 10 2 DVB-T2 BOSSMANSKOP 506 25 10 0.27°30′60°00° 28°11′9.000° FS H FS2 25 506 12 DVB-T2 BOSSMANSKOP 506 25 50 0.28°11′10.000° FS H FS2 25 506 12 DVB-T2 EKROONSTAD 506 25 50 0.28°11′10.000° FS H FS2 25 506 13 2 DVB-T2 PETRUS STEYN 506 25 50 0.28°11′10.000° FS H FS2 25 506 14 2 DVB-T2 BLOBEMFONTEIN 506 25 50 0.28°11′10.000° FS H FS2 25 506 15 2 DVB-T2 BLOBEMFONTEIN 506 25 50 0.28°11′10.000° FS H FS2 25 506 16 2 DVB-T2 WELVERDIEND 508 44 90 0.28°11′10.000° FS H FS2 25 506 17 2 DVB-T2 WELVERDIEND 508 44 90 0.28°11′10.000° FS H FS2 25 506 18 2 DVB-T2 MONDEOR 638 44 90 0.28°11′10.000° 60°11′10.000° FS H FS2 25 506 19 3 2 DVB-T2 MONDEOR 638 44 90 0.28°11′10.000° 60°11′10.000° FS H FS2 25 506 19 3 2 DVB-T2 MONDEOR 638 44 90 0.28°11′10.000° 60°11′10.000° 60°11′10.000° 60°11′10.000° 60°11′10.000° 60°11′10.000° 60°11′10.000° 60°11′10.000° 60°11′10.000° 60°11′10.	12	2	DVB-T2	EAST LONDON	658	44	63	027°48'58.000"	-32°56'20.000"	EC	н	EC2	35	586
15 2 DVB-T2 DESPATCH	13	2	DVB-T2	PORT ELIZABETH	586	35	72	025°26'29.000"	-33°56'10.000"	EC	н	EC2	35	586
16 2 DVB-T2 THEUNISSEN 682 47 34 0.26°34°50.000" 28°11′55.000" FS H FS2 25 506 17 2 DVB-T2 SUIDRAND 506 25 0.25 0.27°24′16.000" 75° H FS2 25 506 18 2 DVB-T2 BETHLEHEM 506 25 50 0.28°29′58.000" 28°11′19.000" FS H FS2 25 506 19 2 DVB-T2 SENEKAL 506 25 10 0.27°29′26.000" 28°11′19.000" FS H FS2 25 506 2 DVB-T2 LADYBRAND 506 25 10 0.27°29′26.000" 28°11′19.000" FS H FS2 25 506 2 DVB-T2 BOGSMANSKOP 506 25 10 0.27°29′26.000" 28°11′19.000" FS H FS2 25 506 2 DVB-T2 BOGSMANSKOP 506 25 10 0.27°21′255.000" 30°00′28.000" FS H FS2 25 506 2 DVB-T2 BOGSMANSKOP 506 25 50 0.27°11′10.000" 75° H FS2 25 506 3 2 DVB-T2 PETRUS STEYN 506 25 50 0.28°19′06.000" 27°30′10.000" FS H FS2 25 506 4 2 DVB-T2 PETRUS STEYN 506 25 0.0 0.28°19′06.000" 27°30′10.000" FS H FS2 25 506 5 2 DVB-T2 BLOEMFONTEIN 506 25 0.0 0.28°19′06.000" 27°30′10.000" FS H FS2 25 506 5 2 DVB-T2 BLOEMFONTEIN 506 25 0.0 0.28°19′06.000" 27°30′10.000" FS H FS2 25 506 6 2 DVB-T2 BLOEMFONTEIN 506 25 0.0 0.28°19′06.000" 29°61′10.000" FS H FS2 25 506 6 2 DVB-T2 BLOEMFONTEIN 506 25 0.0 0.28°19′06.000" 29°61′10.000" FS H FS2 25 506 6 2 DVB-T2 BLOEMFONTEIN 506 25 0.0 0.28°19′06.000" 29°61′10.000" FS H FS2 25 506 6 2 DVB-T2 BLOEMFONTEIN 506 25 0.0 0.28°19′06.000" 29°61′10.000" FS H FS2 25 506 6 2 DVB-T2 BLOEMFONTEIN 506 25 0.0 0.28°19′10.000" FS H FS2 25 506 6 2 DVB-T2 DRIVINDE 658 44 0.0 0.28°19′10.000" 60° FS H FS2 25 506 7 2 DVB-T2 DRIVINDE 658 44 0.0 0.28°19′10.000" 60° FS H FS2 25 506 8 2 DVB-T2 MONDEOR 658 44 0.0 0.2	14	2	DVB-T2	PORT ELIZABETH CITY	586	35	2	025°35'29.630"	-33°55'28.000"	EC	v	EC2	35	586
17 2 DVB-T2 SUUBAND	15	2	DVB-T2	DESPATCH	586	35	2	025°25'29.000"	-33°45'53.000"	EC	v	EC2	35	586
17 2 DVB-T2 RENONSTADN 306 25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25	16	2	DVB-T2	THEUNISSEN	682	47	34	026°34'50.000"	-28°11'55.000"	FS	н	FS2	25	506
	17	2	DVB-T2		506	25	0.25	027°14'16.000"	-27°41'18.000"	FS	v	FS2	25	506
19		-									17		Н	
20 2 DVB-T2 LADYBRAND 506 25 10 027°22'42.000° 29°10'18.000° FS H FS2 25 506		-									_		-	
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31 2 DVB-T2 MONDEOR 658 44 0.5 027°59'37.000" -26°16'54.000" GP V GP2 44 658 638 2 DVB-T2 MULBARTON 658 44 0.03 028°03'56.000" -26°17'36.000" GP V GP2 44 658 658 44 70 027°59'03.000" -25°41'20.000" GP H GP2 44 658 658 44 70 027°59'03.000" -25°41'25.000" GP V GP2 44 658 658 44 0.25 028°10'27.000" -25°41'25.000" GP V GP2 44 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658 658	30	2			658	44	0.04			GP	v		44	658
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33 2 DVB-T2 PRETORIA 658 44 70 027°59'03.000" -25°41'20.000" GP H GP2 44 658 34 2 DVB-T2 PRETORIA NORTH 658 44 0.25 028°10'07.000" -25°41'25.000" GP V GP2 44 658 35 2 DVB-T2 SUNNYSIDE 658 44 20 028°12'24.000" -25°45'53.000" GP V GP2 44 658 36 2 DVB-T2 LINMEYER 658 44 0.1 028°04'16.000" -26°16'08.000" GP V GP2 44 658 37 2 DVB-T2 HEIDELBERG 658 44 1 0.28°20'53.000" -26°29'19.000" GP V GP2 44 658 38 2 DVB-T2 PORT SHEPSTONE 626 40 74 030°17'17.000" -30°44'07.000" KN H KZ2 40 626 40 2 DVB-T2 DONNYBROOK 626 40 60 029°51'19.000" -29°45'6.000" KN H KZ2 40 626 40 2 DVB-T2 NEWCASTLE 626 40 1 029°57'12.000" -27°43'07.000" KN H KZ2 40 626 41 2 DVB-T2 VRYHEID 626 40 10 030°47'38.000" -27°44'27.000" KN H KZ2 40 626 42 2 DVB-T2 GLENCOE 626 40 1 029°57'12.000" -28°09'04.000" KN H KZ2 40 626 43 2 DVB-T2 LADYSMITH 626 40 1 029°47'18.600" -28°59'04.000" KN H KZ2 40 626 44 2 DVB-T2 ESHOWE 626 40 50 029°56'51.000" -28°51'29.000" KN H KZ2 40 626 45 2 DVB-T2 UBOMBO 626 40 50 032°04'52.000" -28°51'29.000" KN H KZ2 40 626 46 2 DVB-T2 UBOMBO 626 40 50 032°04'52.000" -28°51'29.000" KN H KZ2 40 626 47 2 DVB-T2 ESHOWE 626 40 50 032°04'52.000" -28°31'42.000" KN H KZ2 40 626 48 2 DVB-T2 ESHOWE 626 40 50 032°04'52.000" -27°31'42.000" KN H KZ2 40 626 47 2 DVB-T2 ESHOWE 626 40 50 032°04'52.000" -28°51'29.000" KN H KZ2 40 626 48 2 DVB-T2 ESHOWE 626 40 50 032°04'52.000" -27°31'42.000" KN V KZ2 40 626 48 2 DVB-T2 ESHOWE 626 40 50 032°04'52.000" -27°31'42.000" KN V KZ2 40 626 48 2 DVB-T2 ESHOWE 626 40 50 032°04'52.000" -27°31'44.000" KN V KZ2 40 626 48 2 DVB-T2 ESHOWE 626 40 50 032°04'52.000" -27°31'44.000" KN V KZ2 40 626 48 2 DVB-T2 ESHOWE 626 40 50 032°04'52.000" -27°31'44.000" KN V KZ2 40 626 48 2 DVB-T2 ESHOWE 626 40 50 032°04'52.000" -28°44'38.000" KN V KZ2 40 626 48 2 DVB-T2 EMPANGENI 626 40 1.5 031°3900.000" -28°44'38.000" KN W KZ2 40 626						44	0.03			GP	v		44	
35 2 DVB-T2 SUNNYSIDE 658 44 20 028°12'24.000" -25°45'53.000" GP V GP2 44 658 36 2 DVB-T2 LINMEYER 658 44 0.1 028°04'16.000" -26°16'08.000" GP V GP2 44 658 37 2 DVB-T2 HEIDELBERG 658 44 1 028°20'53.000" -26°29'19.000" GP V GP2 44 658 38 2 DVB-T2 PORT SHEPSTONE 626 40 74 030°17'17.000" -30°44'07.000" KN H KZ2 40 626 39 2 DVB-T2 DONNYBROOK 626 40 60 029°51'19.000" -29°54'56.000" KN H KZ2 40 626 40 2 DVB-T2 NEWCASTLE 626 40 1 029°51'19.000" -27°43'07.000" KN KN V KZ2 40 626 41 2 DVB-T2 VRYHEID 626 40 10 030°47'38.000" -27°44'27.000" KN		2				44				GP	н	GP2	44	658
35 2 DVB-T2 SUNNYSIDE 658 44 20 028°12'24.000" -25°45'53.000" GP V GP2 44 658 36 2 DVB-T2 LINMEYER 658 44 0.1 028°04'16.000" -26°16'08.000" GP V GP2 44 658 37 2 DVB-T2 HEIDELBERG 658 44 1 028°20'53.000" -26°29'19.000" GP V GP2 44 658 38 2 DVB-T2 PORT SHEPSTONE 626 40 74 030°17'17.000" -30°44'07.000" KN H KZ2 40 626 39 2 DVB-T2 DONNYBROOK 626 40 60 029°51'19.000" -29°54'56.000" KN H KZ2 40 626 40 2 DVB-T2 NEWCASTLE 626 40 1 029°51'19.000" -27°43'07.000" KN KN V KZ2 40 626 41 2 DVB-T2 VRYHEID 626 40 10 030°47'38.000" -27°44'27.000" KN						44	0.25				-		44	
36 2 DVB-T2 LINMEYER 658 44 0.1 028°04′16.000" -26°16′08.000" -GP V GP2 44 658 37 2 DVB-T2 HEIDELBERG 658 44 1 028°20′53.000" -26°29′19.000" -GP V GP2 44 658 38 2 DVB-T2 PORT SHEPSTONE 626 40 74 030°17′17.000" -30°44′07.000" -KN H KZ2 40 626 39 2 DVB-T2 DONNYBROOK 626 40 60 029°51′19.000" -29°54′56.000" -KN H KZ2 40 626 40 2 DVB-T2 NEWCASTLE 626 40 1 029°57′12.000" -27°43′07.000" -KN KN V KZ2 40 626 41 2 DVB-T2 VRYHEID 626 40 10 030°47′38.000" -27°44′27.000" -KN H KZ2 40 626 42 2 DVB-T2 GLENCOE 626 40 50 029°57′18.600" -28°973′20.00"											v		-	
38 2 DVB-T2 PORT SHEPSTONE 626 40 74 030°17'17.000" -30°44'07.000" KN H KZZ 40 626 39 2 DVB-T2 DONNYBROOK 626 40 60 029°51'19.000" -29°54'56.000" KN H KZZ 40 626 40 2 DVB-T2 NEWCASTLE 626 40 1 029°57'12.000" -27°43'07.000" KN V KZZ 40 626 41 2 DVB-T2 VRYHEID 626 40 10 030°47'38.000" -27°44'27.000" KN H KZZ 40 626 42 2 DVB-T2 GLENCOE 626 40 50 029°56'51.000" -28°90'04.000" KN H KZZ 40 626 43 2 DVB-T2 LADYSMITH 626 40 1 029°47'18.600" -28°51'29.000" KN V KZZ 40 626 44 2 DVB-T2 ESHOWE 626 40 63 031°17'37.000" -28°51'29.000" KN KN <td< td=""><td>36</td><td>2</td><td>DVB-T2</td><td></td><td>658</td><td>44</td><td>0.1</td><td>028°04'16.000"</td><td>-26°16'08.000"</td><td>GP</td><td>v</td><td>GP2</td><td>44</td><td>658</td></td<>	36	2	DVB-T2		658	44	0.1	028°04'16.000"	-26°16'08.000"	GP	v	GP2	44	658
39 2 DVB-T2 DONNYBROOK 626 40 60 029°51'19.000" -29°54'56.000" KN H KZ2 40 626 40 2 DVB-T2 NEWCASTLE 626 40 1 029°57'12.000" -27°43'07.000" KN V KZ2 40 626 41 2 DVB-T2 VRYHEID 626 40 10 030°47'38.000" -27°44'27.000" KN H KZ2 40 626 42 2 DVB-T2 GLENCOE 626 40 50 029°56'51.000" -28°09'04.000" KN H KZ2 40 626 43 2 DVB-T2 LADYSMITH 626 40 1 029°47'18.600" -28°35'23.000" KN V KZ2 40 626 44 2 DVB-T2 ESHOWE 626 40 63 031°17'37.000" -28°51'29.000" KN H KZ2 40 626 45 2 DVB-T2 UBOMBO 626 40 50 032°04'52.000" -28°51'29.000" KN H KZ2 40 626 46 2 DVB-T2 UBOMBO 626 40 50 032°04'52.000" -27°33'42.000" KN H KZ2 40 626 47 2 DVB-T2 FONGOLA 626 40 1.5 031°39'00.000" -27°31'34.000" KN V KZ2 40 626 48 2 DVB-T2 EMPANGENI 626 40 0.25 031°53'31.000" -28°44'38.000" KN V KZ2 40 626 49 2 DVB-T2 GREYTOWN 626 40 10 030°32'10.000" -29°00'46.000" KN H KZ2 40 626	37	2	DVB-T2	HEIDELBERG	658	44	1	028°20'53.000"	-26°29'19.000"	GP	v	GP2	44	658
40 2 DVB-T2 NEWCASTLE 626 40 1 029°57′12.000" -27°43′07.000" KN V KZ2 40 626 41 2 DVB-T2 VRYHEID 626 40 10 030°47′38.000" -27°44′27.000" KN H KZ2 40 626 42 2 DVB-T2 GLENCOE 626 40 50 029°56′51.000" -28°09′04.000" KN H KZ2 40 626 43 2 DVB-T2 LADYSMITH 626 40 1 029°47′18.600" -28°57′23.000" KN V KZ2 40 626 44 2 DVB-T2 ESHOWE 626 40 63 031°17′37.000" -28°51′29.000" KN H KZ2 40 626 45 2 DVB-T2 UBOMBO 626 40 50 032°04′52.000" -27°33′42.000" KN H KZ2 40 626 46 2 DVB-T2 KOKSTAD 626 40 0.4 029°29′24.000" -30°36′42.000" KN V KZ2	38	2	DVB-T2	PORT SHEPSTONE	626	40	74	030°17'17.000"	-30°44'07.000"	KN	н	KZ2	40	626
41 2 DVB-T2 VRYHEID 626 40 10 030°4738.000" -27°44'27.000" KN H KZZ 40 626 42 2 DVB-T2 GLENCOE 626 40 50 029°56'51.000" -28°09'04.000" KN H KZZ 40 626 43 2 DVB-T2 LADYSMITH 626 40 1 029°47'18.600" -28°35'23.000" KN V KZZ 40 626 44 2 DVB-T2 ESHOWE 626 40 63 031°17'37.000" -28°51'29.000" KN H KZZ 40 626 45 2 DVB-T2 UBOMBO 626 40 50 032°04'52.000" -27°33'42.000" KN H KZZ 40 626 46 2 DVB-T2 KOKSTAD 626 40 0.4 029°29'24.000" -30°36'42.000" KN V KZZ 40 626 47 2 DVB-T2 PONGOLA 626 40 1.5 031°39'00.000" -27°31'34.000" KN V KZZ	39	2	DVB-T2	DONNYBROOK	626	40	60	029°51'19.000"	-29°54'56.000"	KN	н	KZ2	40	626
42 2 DVB-T2 GLENCOE 626 40 50 029°56′51.000" -28°09′04.000" KN H KZZ 40 626 43 2 DVB-T2 LADYSMITH 626 40 1 029°47′18.600" -28°35′23.000" KN V KZZ 40 626 44 2 DVB-T2 ESHOWE 626 40 63 031°17′37.000" -28°51′29.000" KN H KZZ 40 626 45 2 DVB-T2 UBOMBO 626 40 50 032°04′52.000" -27°33′42.000" KN H KZZ 40 626 46 2 DVB-T2 KOKSTAD 626 40 0.4 029°29′24.000" -30°36′42.000" KN V KZZ 40 626 47 2 DVB-T2 PONGOLA 626 40 1.5 031°39′00.000" -27°31′34.000" KN V KZZ 40 626 48 2 DVB-T2 EMPANGENI 626 40 0.25 031°53′31.000" -28°44′38.000" KN V KZZ 40 626 49 2 DVB-T2 GREYTOWN 626 40 10 030°32′10.000" -29°00′46.000" KN H KZZ 40 626	40	2	DVB-T2	NEWCASTLE	626	40	1	029°57'12.000"	-27°43'07.000"	KN	v	KZ2	40	626
43 2 DVB-T2 LADYSMITH 626 40 1 029°4718.600" -28°35'23.000" KN V KZ2 40 626 44 2 DVB-T2 ESHOWE 626 40 63 031°17'37.000" -28°51'29.000" KN H KZ2 40 626 45 2 DVB-T2 UBOMBO 626 40 50 032°04'52.000" -27°33'42.000" KN H KZ2 40 626 46 2 DVB-T2 KOKSTAD 626 40 0.4 029°29'24.000" -30°36'42.000" KN V KZ2 40 626 47 2 DVB-T2 PONGOLA 626 40 1.5 031°39'00.000" -27°31'34.000" KN V KZ2 40 626 48 2 DVB-T2 EMPANGENI 626 40 0.25 031°53'31.000" -28°44'38.000" KN V KZ2 40 626 49 2 DVB-T2 GREYTOWN 626 40 10 030°32'10.000" -29°00'46.000" KN H KZ2 40 626	41	2	DVB-T2	VRYHEID	626	40	10	030°47'38.000"	-27°44'27.000"	KN	н	KZ2	40	626
44 2 DVB-T2 ESHOWE 626 40 63 031°17'37.000" -28°51'29.000" KN H KZZ 40 626 45 2 DVB-T2 UBOMBO 626 40 50 032°04'52.000" -27°33'42.000" KN H KZZ 40 626 46 2 DVB-T2 KOKSTAD 626 40 0.4 029°29'24.000" -30°36'42.000" KN V KZZ 40 626 47 2 DVB-T2 PONGOLA 626 40 1.5 031°39'00.000" -27°31'34.000" KN V KZZ 40 626 48 2 DVB-T2 EMPANGENI 626 40 0.25 031°53'31.000" -28°44'38.000" KN V KZZ 40 626 49 2 DVB-T2 GREYTOWN 626 40 10 030°32'10.000" -29°00'46.000" KN H KZZ 40 626	42	2	DVB-T2	GLENCOE	626	40	50	029°56'51.000"	-28°09'04.000"	KN	н	KZ2	40	626
45 2 DVB-T2 UBOMBO 626 40 50 032°04′52.000″ -27°33′42.000″ KN H KZ2 40 626 46 2 DVB-T2 KOKSTAD 626 40 0.4 029°29′24.000″ -30°36′42.000″ KN V KZ2 40 626 47 2 DVB-T2 PONGOLA 626 40 1.5 031°39′00.000″ -27°31′34.000″ KN V KZ2 40 626 48 2 DVB-T2 EMPANGENI 626 40 0.25 031°35′31.000″ -28°44′38.000″ KN V KZ2 40 626 49 2 DVB-T2 GREYTOWN 626 40 10 030°32′10.000″ -29°00′46.000″ KN H KZ2 40 626	43	2	DVB-T2	LADYSMITH	626	40	1	029°47'18.600''	-28°35'23.000"	KN	v	KZ2	40	626
46 2 DVB-T2 KOKSTAD 626 40 0.4 029°29'24.000" -30°36'42.000" KN V KZ2 40 626 47 2 DVB-T2 PONGOLA 626 40 1.5 031°39'00.000" -27°31'34.000" KN V KZ2 40 626 48 2 DVB-T2 EMPANGENI 626 40 0.25 031°53'31.000" -28°44'38.000" KN V KZ2 40 626 49 2 DVB-T2 GREYTOWN 626 40 10 030°32'10.000" -29°00'46.000" KN H KZ2 40 626	44	2	DVB-T2	ESHOWE	626	40	63	031°17'37.000"	-28°51'29.000"	KN	Н	KZ2	40	626
47 2 DVB-T2 PONGOLA 626 40 1.5 031°39'00.000" -27°31'34.000" KN V KZ2 40 626 48 2 DVB-T2 EMPANGENI 626 40 0.25 031°53'31.000" -28°44'38.000" KN V KZ2 40 626 49 2 DVB-T2 GREYTOWN 626 40 10 030°32'10.000" -29°00'46.000" KN H KZ2 40 626	45	2	DVB-T2	UBOMBO	626	40	50	032°04'52.000"	-27°33'42.000"	KN	н	KZ2	40	626
48 2 DVB-T2 EMPANGENI 626 40 0.25 031°53'31.000" -28°44'38.000" KN V KZ2 40 626 49 2 DVB-T2 GREYTOWN 626 40 10 030°32'10.000" -29°00'46.000" KN H KZ2 40 626	46	2	DVB-T2	KOKSTAD	626	40	0.4	029°29'24.000"	-30°36'42.000"	KN	v	KZ2	40	626
49 2 DVB-T2 GREYTOWN 626 40 10 030°32'10.000" -29°00'46.000" KN H KZ2 40 626	47	2	DVB-T2	PONGOLA	626	40	1.5	031°39'00.000"	-27°31'34.000"	KN	V	KZ2	40	626
49 2 DVB-T2 GREYTOWN 626 40 10 030°32'10.000" -29°00'46.000" KN H KZ2 40 626	48	2	DVB-T2	EMP ANGENI	626	40	0.25	031°53'31.000"	-28°44'38.000"	KN	v	KZ2	40	626
50 2 DVB-T2 MATATIELE 682 47 10 028°49′19.000″ -30°23′45.000″ KN H KZ2 40 626	49	2	DVB-T2	GREYTOWN	626	40	10	•	-29°00'46.000"	KN	Н	KZ2	40	626
	50	2	DVB-T2	MATATIELE	682	47	10	028°49'19.000"	-30°23'45.000"	KN	н	KZ2	40	626

168 No. 42887

No.	MUX	DTT	TX-Name	Freq.	СН	ERP (kW)	Longitude	Latitude	Prov ince	Pol	SFN	СН	Freq.
51	2	DVB-T2	MOOI RIVIER	626	40	10	029°52'04.000"	-29°11'07.000"	KN	н	KZ2	40	626
52	2	DVB-T2	NONGOMA	626	40	10	031°39'27.000"	-27°54'18.000"	KN	н	KZ2	40	626
53	2	DVB-T2	PIETERMARITZBURG	626	40	20	030°19'49.000"	-29°34'47.000"	KN	v	KZ2	40	626
54	2	DVB-T2	DURBAN	626	40	100	030°43'00.000"	-29°46'11.000"	KN	н	KZ2	40	626
55	2	DVB-T2	VERULAM	626	40	0.01	031°02'19.000"	-29°38'25.000"	KN	v	K.Z2	40	626
56	2	DVB-T2	OVERPORT	626	40	26	030°59'44.000"	-29°50'12.000"	KN	v	KZ2	40	626
57	2	DVB-T2	THE BLUFF	626	40	2.5	031°00'44.060"	-29°54'40.880"	KN	v	K.Z2	40	626
58	2	DVB-T2	TH AB AZIMBI	570	33	67	027°36'51.000"	-24°27'59.000"	L	н	LP2A	33	570
59	2	DVB-T2	LOUIS TRICHARDT	546	30	23	029°45'26.000"	-23°00'02.000"	L	v	LP2B	30	546
60	2	DVB-T2	TZANEEN	546	30	80	030°00'17.000"	-23°47'06.000"	L	н	LP2B	30	546
61	2	DVB-T2	SIBASA	546	30	16	030°26'54.000"	-22°56'57.000"	L	v	LP2B	30	546
62	2	DVB-T2	POTGIETERSRUS	546	30	62	029°14'10.000"	-24°09'24.000"	L	н	LP2B	30	546
63	2	DVB-T2	HOEDSPRUIT	554	31	10	030°52'08.000"	-24°32'30.000"	L	н	MP2	554	31
64	2	DVB-T2	VOLKSRUST	642	42	15	029°53'14.630"	-27°18'36.000"	MP	н	MP2	554	31
65	2	DVB-T2	PIET RETIEF	554	31	76	030°41'03.000"	-27°01'11.000"	MP	н	MP2	554	31
66	2	DVB-T2	DAVEL	522	27	50	029°37'26.000"	-26°27'30.000"	MP	н	MP2	554	31
67	2	DVB-T2	SABIE	554	31	0.1	030°45'34.000"	-25°07'44.000"	MP	v	MP2	554	31
68	2	DVB-T2	STANDERTON	554	31	0.25	029°12'51.000"	-26°57'37.000"	MP	v	MP2	554	31
69	2	DVB-T2	CAROLINA	554	31	10	030°37'57.000"	-26°10'37.000"	MP	н	MP2	554	31
70	2	DVB-T2	NELSPRUIT	554	31	76	030°46'35.000"	-25°30'55.000"	MP	н	MP2	554	31
71	2	DVB-T2	MIDDELBURG	554	31	50	029°23'24.000"	-25°49'04.000"	MP	н	MP2	554	31
72	2	DVB-T2	KURUMAN HILLS	554	31	80	023°33'38.000"	-27°53'13.000"	NC	н	NC2A	554	31
73	2	DVB-T2	ALEXANDER BAY	554	31	0.1	016°29'49.000"	-28°36'32.000"	NC	v	NC2A	554	31
74	2	DVB-T2	KIMBERLEY	506	25	68	024°54'19.000"	-28°51'14.000"	NC	н	FS2	506	25
75	2	DVB-T2	CHRISTIANA	674	46	10	024°55'50.000"	-27°53'03.000"	NW	н	NW2	674	46
76	2	DVB-T2	ZEERUST	674	46	63	026°02'51.000"	-25°51'37.000"	NW	н	NW2	674	46
77	2	DVB-T2	SCHWEIZER RENEKE	674	46	100	025°13'07.000"	-27°08'13.000"	NW	н	NW2	674	46
78	2	DVB-T2	PIET PLESSIS	674	46	10	024°49′55.000′′	-26°14'56.000"	NW	н	NW2	674	46
79	2	DVB-T2	RUSTENBURG	674	46	32	027°07'06.000"	-25°36'56.000"	NW	н	NW2	674	46
80	2	DVB-T2	PIKETBERG	610	38	56.1	018°44'19.000"	-32°49'09.000"	wc	н	WC2	538	29
81	2	DVB-T2	OUDTSHOORN	634	41	100	022°16'02.000"	-33°40'16.000"	wc	н	WC2	538	29
82	2	DVB-T2	VILLIERSDORP	634	41	60	019°30'25.000"	-33°58'09.000"	wc	н	WC2	538	29
83	2	DVB-T2	BEAUFORT WEST	538	29	60	022°30'25.000"	-32°15'29.000"	wc	н	WC2	538	29
84	2	DVB-T2	GEORGE	538	29	34	022°27'04.000"	-33°55'38.000"	wc	н	WC2	538	29
85	2	DVB-T2	PLETTENBERG BAY	538	29	0.125	023°22'25 000"	-34°03'34 000"	WC	v	WC2	538	29
86	2	DVB-T2	HERMANUS	538	29	0.603	019°13'18.000"	-34°24'47.000"	wc	v	WC2	538	29
87	2	DVB-T2	KNYSNA	538	29	0.501	023°02'31.000"	-34°04'17 000"	WC	v	WC2	538	2.9
88	2	DVB-T2	FRANSCHHOEK	538	29	2	019°04'26.000"	-33°54'26.000"	wc	v	WC2	538	29
89	2	DVB-T2	TYGERBERG	538	29	50	018°35'46 000"	-33°52'29 000"	WC	v	WC2	538	2.9
90	2	DVB-T2	AURORA	538	29	0.25	018°38'29.000"	-33°49'39.000"	WC	v	WC2	538	29
91	2	DVB-T2	CAPE TOWN	538	29	50	018°23'15.000"	-34°03'15.000"	WC	н	WC2	538	2.9
92	2	DVB-T2	CLIFTON	538	29	0.1	018°22'37.000"	-33°56'30.000"	wc	н	WC2	538	29
93	2	DVB-T2	FISHHOEK	538	29	0.1	018°26'12.000"	-34°08'59.000"	wc	v	WC2	538	2.9
94	2	DVB-T2	GRABOUW	538	29	1	018°58'03.000"	-34°06'05.000"	wc	v	WC2	538	29
95	2	DVB-T2	HOUT BAY	538	29	4	018°20'56.000"	-34°00'44.000"	WC	v	WC2	538	29
96	2	DVB-T2	PAARL	538	29	20	018°56'23.000"	-33°42'51.000"	wc	v	WC2	538	29
97	2	DVB-T2	SEA POINT	538	29	0.4	018°23'51.000"	-33°54'33.000"	wc	v	WC2	538	29
98	2	DVB-T2	SIMONSTOWN	538	29	2	018°25'37.000"	-34°11'54.000"	wc	v	WC2	538	29
99	2	DVB-T2	STELLENBOSCH	538	29	0.8	018°52'10.000"	-33°54'59.000"	wc	v	WC2	538	29
100	2	DVB-T2	TABLE MOUNTAIN	538	29	0.6	018°24'13.000"	-33°57'25.000"	wc	v	WC2	538	29
100		2-12	LIBEL MOUNTAIN	230	27	0.0	U10 27 13.000	22.000	***		******	٥٥ر	22

Note 1: Freq (MHz) and CH are the frequency and associated channel number at which the service shall be implemented in order to ensure that the IMT 700 and IMT 800 frequencies in order to clear the Frequency Band after analogue switch-off.

Note 2: No DTT assignments are above 694 MHz.

Note 3: Final Frequency and the associated final channel number is the frequency at which the station will operate in the provincial SFN network.

Note 4: In order to create a plan with the least possible interference the large SFN's were broken up into smaller SFN's in some provinces.

No. 42887

GOVERNMENT GAZETTE,

6 DECEMBER 2019

STAATSKOERANT, 6 DESEMBER 2019

Interference Results for etv (Red areas)



Interference Results for SABC1 (Red areas)



Interference Results for SABC 2 (Red areas)



Interference Results for SABC 3 (Red areas)

