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GOVERNMENT NOTICES • GOEWERMENTSKENNISGEWINGS

DEPARTMENT OF SCIENCE AND TECHNOLOGY

NO. 926

14 JUNE 2019

NOTICE OF THE RADIO FREQUENCY SPECTRUM EXEMPTED FOR USE WITHIN THE KAROO CENTRAL ASTRONOMY ADVANTAGE AREAS

Former Minister of Science and Technology, honorable Mmamoloko Kubayi-Ngubane, published her decision regarding the proposed exemption of the radio frequency spectrum for use in the Karoo Central Astronomy Advantage Areas (KCAAAAs), in Government Gazette No.42399, under Notice No. 583, on 12 April 2019 as prescribed by section 42(5) of the Astronomy Geographic Advantage Act, 2007 (Act No. 21 of 2007) (AGA Act).

In accordance with Regulation 3(4) of Schedule B of the regulations for the protection of the Karoo Central Astronomy Advantage Area (the KCAAA Regulations), and having received concurrence from the Independent Communications Authority of South Africa (ICASA), I, Dr. Bonginkosi Emmanuel Nzimande, Minister of Higher Education, Science and Technology hereby publish the radio frequency spectrum exempted for use within the KCAAAAs as set out in the attached schedule.

In terms of Regulation 3(2) of Schedule A of the KCAAA Regulations (Effective from 15 December 2018), from one year after these regulations become effective, the use of the radio frequency spectrum from 100 MHz to 25 500 MHz (25.5 GHz) within the KCAAAAs will be prohibited. Only the radio frequency spectrum exempted from the prohibition as stated in the attached schedule may subsequently be used and if a permit has been issued in terms of Regulation 4 of Schedule B of the KCAAA Regulations.

All licensees and licence exempt operators who conduct radio transmissions within the KCAAAAs, except for those who are exempted in terms of Regulation 5 of Schedule A of the KCAAA Regulations, are required to apply for a permit from the Astronomy Management Authority (AMA), a unit of the Department of Science and Technology, in order to be able to continue to operate within the KCAAAAs.

The application forms for permits were published in Government Gazette No.42085, under Notice No. 1337, on 05 December 2018. They are available at the Department of Science and Technology office and online at the web address: <https://ama.dst.gov.za>

Any enquiries regarding this notice may be addressed to Mr. Mere Kgampe at telephone number: (012) 843 6644 or E-mail address: mere.kgampe@dst.gov.za

**DR B E NZIMANDE, MP****MINISTER OF HIGHER EDUCATION, SCIENCE AND TECHNOLOGY**

SCHEDULE

RADIO FREQUENCY SPECTRUM BANDS EXEMPTED FROM THE PROHIBITION OF ITS USE WITHIN THE KAROO CENTRAL ASTRONOMY ADVANTAGE AREAS.

1. The band between 100 MHz to 200 MHz is exempted from the prohibition of its use, for all existing radio communication transmissions which were lawful immediately before the promulgation of the Regulations on the protection of the Karoo Central Astronomy Advantage Areas as published in Notice No. 1411 of Government Gazette No. 41321 (Regulations).
2. In the paired bands allocated to mobile services, all uplink frequency bands are exempted from the prohibition in terms of sub-regulation 5(3) of SCHEDULE A of the Regulations.
3. All space-to-earth frequency bands allocated in terms of ICASA's National Radio Frequency Plan 2018, published in terms of section 34 (2) and 34(5) of the Electronic Communications Act, 2005, in Government Gazette No. 41650, are exempted from the prohibition in sub-regulation 3(2) of SCHEDULE A of the Regulations.
4. All allocations must comply with the specifications in ICASA's National Radio Frequency Plan and Radio Frequency Spectrum Regulations.

**TABLE OF EXEMPTED FREQUENCY BAND ALLOCATIONS FOR THE
DECLARED KAROO CENTRAL ASTRONOMY ADVANTAGE AREAS**

Frequency band	Allocation to services
138 – 144 MHz	FIXED
	MOBILE
144 – 146 MHz	AMATEUR
366 – 380 MHz	GOVERNMENT SERVICES AND PUBLIC SAFETY
440 – 441 MHz	FIXED
416.1 – 417.625	MOBILE
450 – 453 MHz	FIXED
460 – 463 MHz	FIXED
464 – 470 MHz	MOBILE
935.2 – 946 MHz	MOBILE
946.6 – 948.8 MHz	MOBILE
951.2 – 959.6 MHz	MOBILE

Frequency band	Allocation to services
1880 – 1900 MHz	MOBILE
2110 – 2125 MHz	MOBILE
2307 – 2387 MHz	FIXED
2401 – 2481 MHz	FIXED
5470 – 5720 MHz	MOBILE
7443 – 7583 MHz	FIXED
7611 – 7751 MHz	FIXED
8282 – 8297 MHz	FIXED
8408 – 8423 MHz	FIXED
10154 – 10295 MHz	FIXED
10450 – 10500 MHz	RADIOLOCATION
10504 – 10644 MHz	FIXED.
13.75 – 14.5 GHz	FIXED SATELLITE (Earth-to-space)

The following frequency bands are exempted in terms of sub-regulation 5(2) of SCHEDULE A of the Regulations for apparatus exempt from the possession of ICASA radio frequency spectrum licences that transmit an EIRP of 250 mW or less and must operate in accordance with the specifications in Annexure B of ICASA's Radio Frequency Spectrum Regulations 2015.

Frequency Band	Apparatus
141 – 142 MHz	Remote control industrial apparatus.
148 – 152 MHz	Wild life telemetry tracking.
402 – 406 MHz	Medical Implants, Doppler shift movement detectors, wireless microphones, garage door openers and motor car alarm systems.
433.05 – 434.79 MHz	Non-specific SRDs
863 – 865 MHz	Wireless Audio Systems / Wireless microphones
865 – 868 MHz	RFID
869.25 – 869.3 MHz	Alarms
915.1 – 915.2 MHz	Real time location system
2400 – 2483 MHz	WLAN / Non-specific SRDs/ FDDA / Low Power Video surveillance
5150 – 5350 MHz	WAS/RLAN (indoor)

DEPARTEMENT VAN WETENSKAP EN TEGNOLOGIE

NO. 926

14 JUNIE 2019

**KENNISGEWING VIR DIE VRYSTELLING VAN RADIOFREKWENSIE SPEKTRUM
VIR GEBRUIK BINNE DIE KAROO SENTRALE
ASTRONOMIEVOORDEELGEBIEDE**

Voormalige Minister van Wetenskap en Tegnologie, Eerwaarde Mmamoloko Kubayi-Ngubane, het haar besluit rakende die voorgestelde vrystelling van radiofrekwensiespektrum, vir gebruik binne die Karoo Sentrale Astronomievoordeelgebiede (KCAAA's), gepubliseer in die Staatskoerant No. 42399, onder Kennisgewing No 583, op 12 April 2019, om die openbare deelnameproses, soos voorgeskryf deur Regulasie 3 van Skedule B van die KCAAA Regulasies vir die beskerming van die KCAAA's (die KCAAA Regulasies), gemaak kragtens die Wet op Geografiese Astronomievoordeel, 2007 (Wet No. 21 van 2007) (AGA Wet), af te sluit.

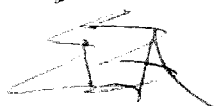
In ooreenstemming met Regulasie 3 (4) van Bylae B van die KCAAA Regulasies, en met instemming van die Onafhanklike Kommunikasie-owerheid van Suid-Afrika (ICASA), publiseer ek, Dr. Bonginkosi Emmanuel Nzimande, Minister van Hoër Onderwys, Wetenskap and Tegnologie hiermee die radio frekwensiespektrum wat vrygestel is vir gebruik binne die KCAAA's soos uiteengesit in die aangehegte skedule.

Ingevolge Regulasie 3 (2) van Bylae A van die KCAAA Regulasies (effektief vanaf 15 Desember 2018), sal die gebruik van die radiofrekwensiespektrum tussen 100 MHz tot 25 500 MHz (25.5 GHz), binne die KCAAA's verbied wees vanaf 15 Desember 2019. Slegs die radiofrekwensiespektrum wat vrygestel is van die verbod soos vermeld in die aangehegte skedule, mag daarna gebruik word en slegs indien 'n permit uitgereik is ingevolge Regulasie 4 van Bylae B van die KCAAA Regulasies.

Alle lisensiehouers en lisensie-vrygestelde operateurs wat radio-uitsendings binne die KCAAA's uitvoer, behalwe van dié wat ingevolge regulasie 5 van Skedule A van die KCAAA Regulasies vrygestel is, moet aansoek doen vir 'n permit van die Astronomie Bestuursgesag (AMA), 'n eenheid van die Departement van Wetenskap en Tegnologie, om te kan voortgaan om binne die KCAAA's te funksioneer.

Die aansoekvorms vir permitte is gepubliseer in die Staatskoerant No. 42085 onder Kennisgewing No. 1337 op 05 Desember 2018. Hulle is beskikbaar by die Departement van Wetenskap en Tegnologie en aanlyn by die webadres: <https://ama.dst.gov.za>

Enige navrae aangaande hierdie kennisgewing kan gerig word aan Mnr. Mere Kgampe by telefoonnommer: (012) 843 6644 of e-pos: mere.kgampe@dst.gov.za



**DR. BONGINKOSI EMMANUEL NZIMANDE, LP
MINISTER VAN HOËR ONDERWYS, WETENSKAP EN TEGNOLOGIE**

SKEDULE

RADIO FREKWENSIESPEKTRUM BANDE VRYGESTEL VAN DIE VERBOD OP DIE GEBRUIK DAARVAN
BINNE DIE KAROO SENTRALE ASTRONOMIEVOORDEELGEBIEDE.

1. Die band tussen 100 MHz tot 200 MHz is vrygestel van die verbod op die gebruik daarvan, vir alle bestaande radiokommunikasie uitsendings wat wettig was onmiddellik voor die uitvaardiging van die Regulasies oor die beskerming van die Karoo Sentrale Astronomievoordeelgebiede soos gepubliseer in Kennisgewing No.1411 van Staatskoerant No.41321 (Regulasies).
2. In die gepaarde bande aan mobiele dienste toegewys, is al die opskakel bande vrygestel van die verbod kragtens subregulasie 5(3) van Skedule A van die Regulasies.
3. Alle ruimte-na-aarde frekwensiebande toegewys kragtens OKOSA se Nasionale Radio Frekwensieplan, 2018, gepubliseer kragtens artikels 34(2) en 34(5) van die Wet op Elektroniese Kommunikasie, 2005, in Staatskoerant No.41650, is vrygestel van die verbod in subregulasie 3(2) van Skedule A van die Regulasies.
4. Alle toewysings moet voldoen aan die spesifikasies in OKOSA se Nasionale Radio Frekwensieplan en die Radiofrekwensiespektrum Regulasies.

**TABEL VAN VRYGESTELDE FREKWENSIEBAND TOEWYSINGS VIR DIE
VERKLAARDE KAROO SENTRALE ASTRONOMIEVOORDEELGEBIEDE**

Frekwensieband	Toewysing aan dienste
138 – 144 MHz	VASTE
	MOBIELE
144 – 146 MHz	AMATEUR
366 – 380 MHz	STAATSDIENSTE EN OPENBARE VEILIGHEID
440 – 441 MHz	VASTE
416.1 – 417.625	MOBIELE
450 – 453 MHz	VASTE
460 – 463 MHz	VASTE
464 – 470 MHz	MOBIELE
935.2 – 946 MHz	MOBIELE
946.6 – 948.8 MHz	MOBIELE
951.2 – 959.6 MHz	MOBIELE

Frekwensieband	Toewysing aan dienste
1880 – 1900 MHz	MOBIELE
2110 – 2125 MHz	MOBIELE
2307 – 2387 MHz	VASTE
2401 – 2481 MHz	VASTE
5470 – 5720 MHz	MOBIELE
7443 – 7583 MHz	VASTE
7611 – 7751 MHz	VASTE
8282 – 8297 MHz	VASTE
8408 – 8423 MHz	VASTE
10154 – 10295 MHz	VASTE
10450 – 10500 MHz	RADIO-OPSPORING
10504 – 10644 MHz	VASTE
13.75 – 14.5 GHz	VASTE SATELLIET (Aarde-na-ruimte)

Die volgende frekwensiebande is vrygestel kragtens subregulasie 5(2) van Skedule A van die Regulasies vir toestelle vrygestel van die besit van OKOSA radiofrekwensie spektrum lisensiëring, met 'n uitgestraalde krag van 250 mW of minder, en wat in ooreenstemming met die spesifikasies in Bylae B van OKOSA se Radiofrekwensie Spektrum Regulasies 2015 gebruik moet word.

Frekwensieband	Toestelle
141 – 142 MHz	Afstandbeheer industriële toerusting
148 – 152 MHz	Natuurlewe telemetrie opsporing
402 – 406 MHz	Mediese inplantings, Dopplerverskuiwing bewegingsdetektors, draadlose mikrofone, motorhuisdeur oopmakers and motor voertuig alarmstelsels
433.05 – 434.79 MHz	Nie-Spesifieke kortaftand toestelle
863 – 865 MHz	Draadlose Klanksisteme / Radio mikrofone
865 – 868 MHz	RFID
869.25 – 869.3 MHz	Alarms
915.1 – 915.2 MHz	Intydse opsporingstelsel
2400 – 2483 MHz	WLAN / Nie-Spesifieke kortaftand toestelle / FDDA / Lae krag videowaarneming
5150 – 5350 MHz	Draadlose Toegangstelsels (WAS) & Plaaslike Radio Toegangsnetwerk (router) (RLAN) (binnenshuis)