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GOVERNMENT NOTICES • GOEWERMENTSKENNISGEWINGS

DEPARTMENT OF SCIENCE AND INNOVATION

NO. 753 **26 August 2021**

PROMULGATION OF THE REVISED EXEMPTED RADIO FREQUENCY SPECTRUM FOR THE KAROO CENTRAL ASTRONOMY ADVANTAGE AREAS IN TERMS OF THE ASTRONOMY GEOGRAPHIC ADVANTAGE ACT, 2007

I, Dr. Bonginkosi Emmanuel Nzimande Minister of Higher Education, Science and Innovation in accordance with Regulation 3(4) of Schedule B of the Regulations for the Protection of the Karoo Central Astronomy Advantage Areas (hereinafter referred to as the "KCAAA Regulations"), and having obtained concurrence from the Independent Communications Authority of South Africa , hereby promulgate the revised radio frequency spectrum exempted for use within the KCAAAs as set out in the attached schedule.

In terms of Regulation 3(2) of Schedule A of the KCAAA Regulations (extended to 15 December 2021 through Notice No.1293, published in Government Gazette No.43967, on 4 December 2020), the use of the radio frequency spectrum from 100MHz to 25 500 MHz (25.5 GHz) within the KCAAA will be prohibited. Only the radio frequency spectrum exempted from the prohibition as stated in the attached schedule may subsequently be used if a permit has been issued in terms of Regulation 4 of Schedule B of the KCAAA Regulations.



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

SCHEDULE

REVISED RADIO FREQUENCY SPECTRUM BANDS EXEMPTED FROM THE PROHIBITION OF ITS USE IN 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 for the Protection of the Karoo Central Astronomy Advantage Areas (herein after referred to as the "KCAAA Regulations") as published in Government Gazette No. 41321, under Notice No. 1411, on 15 December 2017.

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 KCAAA Regulations.

3. All space-to-earth frequency bands allocated in terms of Independent Communications Authority of South Africa's (ICASA) National Radio Frequency Plan 2018 as published in Government Gazette No. 41650, under Notice No. 266, on 25 May 2018 as amended, are exempted from the prohibition in sub-regulation 3(2) of Schedule A of the Regulations.

4. All allocations to operate in line with specifications in ICASA National Radio Frequency Plan and Radio Frequency Spectrum Regulations.

TABLE OF FREQUENCY ALLOCATION 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	FIXED
416.1 – 417.625	MOBILE
450 – 453 MHz	FIXED
460 – 463 MHz	FIXED
454 – 460 MHz	MOBILE
935.1 – 946.1 MHz	MOBILE
946.5 – 948.9 MHz	MOBILE
951.1 – 959.7 MHz	MOBILE

Frequency band	Allocation to services
1880 – 1900 MHz	FIXED
2110 – 2125 MHz	MOBILE
2140 – 2155 MHz	MOBILE
2307 – 2387 MHz	FIXED
2401 – 2481 MHz	FIXED
5470 – 5720 MHz	ISM
7443 – 7583 MHz	FIXED
7611 – 7751 MHz	FIXED
8282 – 8297 MHz	FIXED
8408 – 8423 MHz	FIXED
10154 – 10294 MHz	FIXED
10450 – 10500 MHz	RADIOLOCATION
10504 – 10644 MHz	FIXED radiolocation
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 ICASA radio frequency spectrum licences that transmit EIRP of 250 mW or less and should also operate in accordance with the specifications in Annexure B of ICASA's Radio Frequency Spectrum Regulations 2015.

Revised Exempted Band (MHz)	Apparatus
141 – 142	Remote control industrial apparatus.
148 – 152	Wild life telemetry tracking.
402 – 405	Medical Implants/ Doppler shift movement detectors, wireless microphones, garage door openers and motor car alarm systems.
433.05 – 434.79	Non-specific SRDs
863 – 865	Wireless Audio Systems / Wireless microphones
865 – 868	RFID
869.25 – 869.3	Alarms
915.1 – 915.2	Real time location system
2400 - 2483	WLAN / Non-specific SRDs/ FDDA / Low Power Video surveillance
5150 – 5350	WAS/RLAN (indoor)

DEPARTEMENT VAN WETENSKAP EN INNOVASIE

NO. 753 **26 Augustus 2021**

PROMULGERING VAN DIE HERSIENDE VRYSTELLING VAN RADIOFREKWENSIE SPEKTRUM VIR DIE KAROO SENTRALE ASTRONOMIEVOORDEELGEBIEDE KRAGTENS DIE WET OP GEOGRAFIESE ASTRONOMIEVOORDEEL, 2007

Ek, Dr. Bonginkosi Emmanuel Nzimande, Minister van Hoër Onderwys, Wetenskap en Innovasie in ooreenstemming met Regulasie 3(4) van Bylae B van die Regulasies vir die Beskerming die Karoo Sentrale Astronomievoordeelgebiede (Hierna verwys as die KCAAA Regulasies), en met instemming van die Onafhanklike Kommunikasie-owerheid van Suid-Afrika , promulgeer ek, die hersiende radio frekwensiespektrum wat vrygestel is vir gebruik binne die KCAAA's soos uiteengesit in die aangehegte bylaag.

Ingevolge Regulasie 3(2) van Bylae A van die KCAAA Regulasies (verleng tot 15 Desember 2021 ingevolge Kennisgewing Nr.1293, gepubliseer in die Staatskoerant Nr.43967, op 4 Desember 2020)), sal die gebruik van die radiofrekwensiespektrum tussen 100 MHz tot 25 500 MHz (25.5 GHz), binne die KCAAA's verbode wees. Slegs die radiofrekwensiespektrum wat vrygestel is van die verbod soos vermeld in die aangehegte bylaag, mag daarna gebruik word en slegs indien 'n permit uitgereik is ingevolge Regulasie 4 van die Bylae B van die KCAAA Regulasies.

DR B E NZIMANDE, LP
MINISTER VAN HOËR ONDERWYS, WETENSKAP EN INNOVASIE

SKEDULE

RADIO FREKWENSIESPEKTRUM BANDE VRYGESTEL VIR GEBRUIK 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 (hierna verwys as die KCAAA) soos gepubliseer in Kennisgewing No.1411 van Staatskoerant No.41321 op 15 Desember 2017.

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 KCAAA.

3. Alle ruimte-na-aarde frekwensiebande toegewys kragtens OKOSA se Nasionale Frekwensieplan 2018, soos gepubliseer in Staatskoerant No.41650, onder Kennisgewing Nr. 266, op 25 Mei 2018 soos gewysig, is vrygestel van die verbod in subregulasie 3(2) van Skedule A van die KCAAA.

4. Alle toewysings moet voldoen aan die spesifikasies in OKOSA se Nasionale Radio Frekwensieplan en die Radiofrekwensiespektrum Regulasies.

TABEL VAN FREKWENSIETOEWYSING 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 MHz	MOBIELE
450 - 453 MHz	VASTE
454-460 MHz	MOBIELE
460 - 463 MHz	VASTE
935.1 – 946.1 MHz	MOBIELE
946.5 – 948.9 MHz	MOBIELE
951.1 - 959.7 MHz	MOBIELE

Frekwensieband	Toewysing aan dienste
1880-1900 MHz	VASTE
2110-2125 MHz	MOBIELE
2140-2155 MHz	MOBIELE
2307-2387 MHz	VASTE
2401-2481 MHz	VASTE
5470 – 5720 MHz	ISM
7443 – 7583 MHz	VASTE
7611 – 7751 MHz	VASTE
8282 – 8297 MHz	VASTE
8408 – 8423 MHz	VASTE
10154 – 10294 MHz	VASTE
10450 – 10500 MHz	RADIO-OPSPORING
10504 – 10644 MHz	VASTE RADIO-OPSPORING
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 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 word.

Frekwensieband (MHz)	Toestelle
141 – 142	Afstandbeheer industriële toerusting
148 – 152	Natuurlewe telemetrie opsporing
402 - 405	Mediese inplantings, Doppler-verskuiwing bewegingsdetektors, draadlose mikrofone, motorhuisdeur oopmakers and motor voertuig alarmstelsels
433.05 – 434.79	Nie-Spesifieke kortaftand toestelle
863 – 865	Draadlose Klanksisteme / Radio mikrofone
865 – 868	Radiofrekwensie identifikasie
869.25 – 869.3	Alarms
915.1 – 915.2	Intydse opsporingstelsel
2400 – 2483	WLAN / Nie-Spesifieke kortaftand toestelle / FDDA / Lae krag videowaarneming
5150 – 5350	Draadlose Toegangstelsels (WAS) & Radio Plaaslike Toegangsnetwerk (router) (RLAN) (binnenshuis)

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