
GOVERNMENT NOTICES • GOEWERMENTSKENNISGEWINGS

DEPARTMENT OF SCIENCE AND TECHNOLOGY

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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)