

Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



Licensee details

Customer ID	46975
Licensee	Department of Defence
Trading name	Director Defence Spectrum Office
Licensee address	D DSO APW-GF-173, Anzac Park West PO Box 7953, CANBERRA BC, ACT 2610

Licence details

Licence service	Scientific
Licence subservice	Scientific Assigned
Licence number	12297299/1
Date of issue	05/02/2024
Date of effect	06/02/2024
Date of expiry	05/02/2025

Licence conditions

Your licence is subject to conditions set out in the *Radiocommunications Act 1992*. Your licence may also be subject to such other licence conditions as determined by the ACMA (in licence condition determinations) from time to time, and is also subject to special conditions as detailed on this licence.

The conditions that are imposed on a licence vary according to the type of licence issued, the service being operated and the section of the *Radiocommunications Act 1992* under which the licence has been issued. For further information about the conditions that apply to your licence, please contact the ACMA (see contact details below).

Rights of appeal

A decision by the ACMA to impose further conditions or revoke or vary the conditions of your licence may be reviewable. If you are affected by, and dissatisfied with, such a decision you may apply to the ACMA to have the ACMA reconsider the decision under section 288 of the *Radiocommunications Act 1992*.

An application for reconsideration must state the reasons for the request, and should be sent to the Customer Service Centre, Australian Communications and Media Authority, PO Box 78, Belconnen, ACT, 2616. Applications for review of decisions can be made using the R051 - Application for review of Decision form, available on the ACMA website.

Important

An application for the ACMA to reconsider a decision to impose or vary licence conditions must be made to the ACMA within 28 days of the day on which you are informed of the decision. An application for reconsideration made after that time may not be accepted.

ACMA contact details

Customer Service Centre
PO Box 78
BELCONNEN ACT 2616

Telephone: 1300 850 115
Email: info@acma.gov.au

ACMA website: www.acma.gov.au

Special Conditions applying to licence no.: 12297299/1

Transmissions must not occur in circumstances that result in harmful interference to stations outside of Australia where these stations are operating in accordance with the Radio Regulations of the ITU except where the transmissions are in accordance with any agreements reached as a result of an ITU international frequency coordination process.

Upon receipt of a report of harmful interference under International Telecommunication Union Radio Regulation No. 11.42 all necessary steps shall be taken immediately eliminate the harmful interference or cease operation.

The licensee shall advise the ACMA of changes to the point of contact provided for the purpose of tracing any suspected cases of interference.

Prior to the frequency assignments being recorded in the Master International Frequency Register (MIFR), this earth station may operate in accordance with the operating parameters published by the ITU in Special Sections of International Frequency Information Circulars and in accordance with any agreements reached as a result of an ITU frequency coordination process.

No interference shall be caused to any Radiocommunication station or service and no protection from interference by such stations or services shall be afforded.

earth station is authorised to communicate with space station(s) of PEREGRINE-1 satellite network as published by the International Telecommunication Union (ITU) in Special Section API/A/12422 of International Frequency Information Circular 2911.

Advisory Notes applying to licence no.: 12297299/1

Conditions applicable to the operation of Scientific Assigned station(s) authorised under this licence can be found in the Radiocommunications Licence Conditions (Apparatus Licence) Determination and the Radiocommunications Licence Conditions (Scientific Licence) Determination. Copies of these determinations are available from the ACMA and from the ACMA home page (www.acma.gov.au).

The Master International Frequency Register (MIFR) is maintained by the International Telecommunication Union (ITU) in accordance with the Radio Regulations.

Coordination agreements reached as a result of an ITU international frequency coordination process are intended to minimise the potential for harmful interference to radiocommunications stations. A radiocommunications station operated prior to a frequency assignment being recorded in the MIFR cannot necessarily claim protection from harmful interference from radiocommunications stations of other countries.

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Main Station Site

Station 1:

Site details

Site ID	130638
Site address	Australian Defence Force Academy Information Technology Centre, DUNTROON ACT 2600
Co-ordinates (GDA94)	Latitude: -35.292716 Longitude: 149.165749

Transmitter details

Assigned frequency	449.538000 MHz
Bandwidth	20.0000 kHz
Freq. assign. ID	0004354339
Transmitter power	100.00 W
EIRP	2.24 kW
Emission designator	20K0F1D

Antenna details

Antenna ID	93332
Antenna polarisation	CR - Right-hand circular or direct
Antenna azimuth	
Antenna height (m)	12
Antenna type	Yagi(MixedPolarisation)

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Main Station Site

Station 2:

Site details

Site ID	10011002
Site address	ADFA site Yass, Lachlan Valley Way, Yass NSW
Co-ordinates (GDA94)	Latitude: -34.74 Longitude: 148.8444

Transmitter details

Assigned frequency	449.538000 MHz
Bandwidth	20.0000 kHz
Freq. assign. ID	0004354340
Transmitter power	100.00 W
EIRP	2.24 kW
Emission designator	20K0F1D

Antenna details

Antenna ID	93332
Antenna polarisation	CR - Right-hand circular or direct
Antenna azimuth	
Antenna height (m)	12
Antenna type	Yagi(MixedPolarisation)

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Main Station Site

Station 3:

Site details

Site ID	130638
Site address	Australian Defence Force Academy Information Technology Centre, DUNTROON ACT 2600
Co-ordinates (GDA94)	Latitude: -35.292716 Longitude: 149.165749

Receiver details

Assigned frequency	449.538000 MHz
Bandwidth	20.0000 kHz
Freq. assign. ID	0004354341
Transmitter power	N/A
EIRP	N/A
Emission designator	20K0F1D

Antenna details

Antenna ID	93332
Antenna polarisation	M - Mixed
Antenna azimuth	
Antenna height (m)	12
Antenna type	Yagi(MixedPolarisation)

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Main Station Site

Station 4:

Site details

Site ID	10011002
Site address	ADFA site Yass, Lachlan Valley Way, Yass NSW
Co-ordinates (GDA94)	Latitude: -34.74 Longitude: 148.8444

Receiver details

Assigned frequency	449.538000 MHz
Bandwidth	20.0000 kHz
Freq. assign. ID	0004354342
Transmitter power	N/A
EIRP	N/A
Emission designator	20K0F1D

Antenna details

Antenna ID	93332
Antenna polarisation	M - Mixed
Antenna azimuth	
Antenna height (m)	12
Antenna type	Yagi(MixedPolarisation)

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Main Station Site

Station 5:

Site details

Site ID	10011002
Site address	ADFA site Yass, Lachlan Valley Way, Yass NSW
Co-ordinates (GDA94)	Latitude: -34.74 Longitude: 148.8444

Transmitter details

Assigned frequency	2.43950000 GHz
Bandwidth	19.000000 MHz
Freq. assign. ID	0004354343
Transmitter power	30.00 W
EIRP	7.54 kW
Emission designator	19M0P1D

Antenna details

Antenna ID	93333
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	12
Antenna type	Parabolic

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Main Station Site

Station 6:

Site details

Site ID	130638
Site address	Australian Defence Force Academy Information Technology Centre, DUNTROON ACT 2600
Co-ordinates (GDA94)	Latitude: -35.292716 Longitude: 149.165749

Receiver details

Assigned frequency	2.42500000 GHz
Bandwidth	50.000000 MHz
Freq. assign. ID	0004354344
Transmitter power	N/A
EIRP	N/A
Emission designator	50M0P1D

Antenna details

Antenna ID	93333
Antenna polarisation	M - Mixed
Antenna azimuth	
Antenna height (m)	12
Antenna type	Parabolic

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Main Station Site

Station 7:

Site details

Site ID	10011002
Site address	ADFA site Yass, Lachlan Valley Way, Yass NSW
Co-ordinates (GDA94)	Latitude: -34.74 Longitude: 148.8444

Receiver details

Assigned frequency	2.42500000 GHz
Bandwidth	50.000000 MHz
Freq. assign. ID	0004354345
Transmitter power	N/A
EIRP	N/A
Emission designator	50M0P1D

Antenna details

Antenna ID	93333
Antenna polarisation	M - Mixed
Antenna azimuth	
Antenna height (m)	12
Antenna type	Parabolic