

Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



Licensee details

Customer ID	336877
Licensee	Australian Broadcasting Corporation
Trading name	Spectrum & Regulatory Strategy
Licensee address	Attn: Mr Gavin Bowman, Level 12B GPO Box 9994, SYDNEY, NSW 2001

Licence details

Licence service	Fixed
Licence subservice	Television Outside Broadcast Network
Licence number	1567136/1
Date of issue	29/12/2020
Date of effect	29/12/2020
Date of expiry	06/02/2022

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

Certain information contained in this licence record will be disclosed in the Register of Radiocommunications Licences (RRL), established and maintained pursuant to Part 3.5 of the *Radiocommunications Act 1992*.

Special Conditions applying to licence no.: 1567136/1

On or after 1 September 2002, the licensee must coordinate any proposed transmissions in the frequency range 721 to 7375 MHz with the Department of Defence before commencing such transmissions.,

The licensee accepts that for paragraph 6(1) in Radiocommunications (Spread Spectrum Devices) Class Licence 2002, a Radiocommunications device operating in the frequency band 2463.5 MHz to 2483.5 MHz in accordance with that Class Licence (except for that paragraph) is taken not to cause interference to a television outside broadcast station operating in the frequency band 2463.5 MHz to 2491.5 MHz.

This licence authorises the operation of stations using any type of emissions provided that the emissions are contained within the frequency bands specified in the licence.

Advisory Notes applying to licence no.: 1567136/1

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

This frequency band is currently under review to accommodate changes in technology. This review may lead to a requirement to change frequency or to cease transmission.

Licensees may authorise other persons, in writing, to operate Radiocommunications devices under the licence for the purposes of television outside broadcasts.

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.

Station 1:

Area wide details:	
Area ID	1
Area name	Australia-wide

Receiver details	
Assigned frequency	8.30300000 GHz
Bandwidth	28.000000 MHz
Freq. assign. ID	0000693620
Emission designator	28M0F3XX

Antenna details	
Antenna ID	1
Antenna polarisation	
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 1

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

This licence authorises the licensee to operate: on the frequency channel with a centre frequency of 8303 MHz; with a maximum bandwidth of 28 MHz; a maximum transmitter power of 1 watts; and within 50 kilometres of the site specified on the licence.

Station 2:

Area wide details:	
Area ID	1
Area name	Australia-wide

Receiver details	
Assigned frequency	13.11500000 GHz
Bandwidth	28.000000 MHz
Freq. assign. ID	0000693621
Emission designator	28M0F9W

Antenna details	
Antenna ID	1
Antenna polarisation	
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 2

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

This licence authorises the licensee to operate: on the frequency channel with a centre frequency of 13115 MHz; with a maximum bandwidth of 28 MHz; a maximum transmitter power of 10 watts; and within 50 kilometres of the site specified on the licence.

Station 3:

Area wide details:	
Area ID	1
Area name	Australia-wide

Receiver details	
Assigned frequency	13.19900000 GHz
Bandwidth	28.000000 MHz
Freq. assign. ID	0000693622
Emission designator	28M0F9W

Antenna details	
Antenna ID	1
Antenna polarisation	
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 3

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

This licence authorises the licensee to operate: on the frequency channel with a centre frequency of 13199 MHz; with a maximum bandwidth of 28 MHz; a maximum transmitter power of 10 watts; and within 50 kilometres of the site specified on the licence.

Station 4:

Area wide details:	
Area ID	1
Area name	Australia-wide

Receiver details	
Assigned frequency	12.91900000 GHz
Bandwidth	28.000000 MHz
Freq. assign. ID	0000693623
Emission designator	28M0F9W

Antenna details	
Antenna ID	1
Antenna polarisation	
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 4

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

This licence authorises the licensee to operate: on the frequency channel with a centre frequency of 12919 MHz; with a maximum bandwidth of 28 MHz; a maximum transmitter power of 10 watts; and within 50 kilometres of the site specified on the licence.

Station 5:

Area wide details:	
Area ID	1
Area name	Australia-wide

Receiver details	
Assigned frequency	12.97500000 GHz
Bandwidth	28.000000 MHz
Freq. assign. ID	0000693624
Emission designator	28M0F9W

Antenna details	
Antenna ID	1
Antenna polarisation	
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 5

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

This licence authorises the licensee to operate: on the frequency channel with a centre frequency of 12975 MHz; with a maximum bandwidth of 28 MHz; a maximum transmitter power of 10 watts; and within 50 kilometres of the site specified on the licence.

Station 6:

Area wide details:	
Area ID	1
Area name	Australia-wide

Receiver details	
Assigned frequency	8.28900000 GHz
Bandwidth	28.000000 MHz
Freq. assign. ID	0000693625
Emission designator	28M0F9W

Antenna details	
Antenna ID	1
Antenna polarisation	
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 6

This licence authorises the licensee to operate: on the frequency channel with a centre frequency of 8289 MHz; with a maximum bandwidth of 28 MHz; a maximum transmitter power of 20 watts; and within 50 kilometres of the site specified on the licence.

Station 7:

Area wide details:	
Area ID	1
Area name	Australia-wide

<u>Receiver details</u>	
Assigned frequency	8.34500000 GHz
Bandwidth	28.000000 MHz
Freq. assign. ID	0000693626
Emission designator	28M0F9W
<u>Antenna details</u>	
Antenna ID	1
Antenna polarisation	
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 7

This licence authorises the licensee to operate: on the frequency channel with a centre frequency of 8345 MHz; with a maximum bandwidth of 28 MHz; a maximum transmitter power of 20 watts; and within 50 kilometres of the site specified on the licence.

Station 8:

Area wide details:	
Area ID	1
Area name	Australia-wide

<u>Receiver details</u>	
Assigned frequency	8.38700000 GHz
Bandwidth	28.000000 MHz
Freq. assign. ID	0000693627
Emission designator	28M0F9W
<u>Antenna details</u>	
Antenna ID	1
Antenna polarisation	
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 8

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

This licence authorises the licensee to operate: on the frequency channel with a centre frequency of 8387 MHz; with a maximum bandwidth of 28 MHz; a maximum transmitter power of 20 watts; and within 50 kilometres of the site specified on the licence.

Station 9:

Area wide details:	
Area ID	1
Area name	Australia-wide

Receiver details	
Assigned frequency	2.09400000 GHz
Bandwidth	24.000000 MHz
Freq. assign. ID	0000693628
Emission designator	24M0F9W

Antenna details	
Antenna ID	1
Antenna polarisation	
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 9

Radio emission must not occur in the frequency band 100 - 230 MHz within 150 kilometres of Mileura Station, Western Australia. In addition, radio emission must not occur in the frequency band 230 MHz to 25.25 GHz within 100 kilometres of Mileura Station. Mileura Station geographic coordinates are Latitude 26degrees 37min 13.4sec South, Longitude 117degrees 30min 40sec East.

This licence authorises the licensee to operate: on the frequency channel with a centre frequency of 2094 MHz; with a maximum bandwidth of 24 MHz; a maximum transmitter power of 20 watts; and within 50 kilometres of the site specified on the licence.

Operation is to be in accordance with the requirements contained in Radiocommunications Assignment and Licensing Instruction FX 21.

Station 10:

Area wide details:	
Area ID	1
Area name	Australia-wide

Receiver details	
Assigned frequency	2.22800000 GHz
Bandwidth	16.000000 MHz
Freq. assign. ID	0000693629
Emission designator	16M0F9W
Antenna details	
Antenna ID	1
Antenna polarisation	
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 10

Radio emission must not occur in the frequency band 100 - 230 MHz within 150 kilometres of Mileura Station, Western Australia. In addition, radio emission must not occur in the frequency band 230 MHz to 25.25 GHz within 100 kilometres of Mileura Station. Mileura Station geographic coordinates are Latitude 26degrees 37min 13.4sec South, Longitude 117degrees 30min 40sec East.

This licence authorises the licensee to operate: on the frequency channel with a centre frequency of 2228 MHz; with a maximum bandwidth of 16 MHz; a maximum transmitter power of 20 watts; and within 50 kilometres of the site specified on the licence.

Operation in the Perth area, as defined in Table B in the Schedule to Radiocommunications (Spectrum Re-allocation) Declaration No. 2 of 2011, is not to commence before 1 January 2016.

Operation is to be in accordance with the requirements contained in Radiocommunications Assignment and Licensing Instruction FX 21.

Operations to be coordinated will ATV-5 launch support activities undertaken from the University of South Australia, Mawson Lakes earth station receiver site. Refer licence numbers 1945311 and 1945312.