Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority

Australian Government | acma

Licensee details

Customer ID	1136980
Licensee	Vodafone Hutchison Australia Pty Limited
Licensee address	Attn Paul Kinnane PO Box 1113, NORTH SYDNEY, NSW 2060

Licence details

Licence service	PTS
Licence subservice	PMTS Class B
Licence number	9996198/2
Date of issue	18/05/2023
Date of effect	18/05/2023
Date of expiry	12/05/2024

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

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	10004455
Site address	Monopole, 34 Pomona Road, URALLA NSW
Co-ordinates (GDA94)	Latitude: -30.631685 Longitude: 151.503037

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001911808
Transmitter power	80.00 W
EIRP	3.57 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81281
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001911809
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81281
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

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	204340
Site address	Vodafone Site, Wallam Coppa Creek Rd, MOREE NSW 2400
Co-ordinates (GDA94)	Latitude: -29.301817 Longitude: 149.988519

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357730
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357731
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 2

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 2

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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	6610
Site address	Telstra Radio Terminal Site, Haystack Mountain, BELLATA NSW 2397
Co-ordinates (GDA94)	Latitude: -29.95601 Longitude: 149.91537

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357732
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357733
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 3

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 3

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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	204365
Site address	Telstra/Optus Site, cnr Newell Hwy & Bohena Creek, WOODBYNE NSW 2390
Co-ordinates (GDA94)	Latitude: -30.507132 Longitude: 149.630914

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357734
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357735
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 4

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 4

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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	204341
Site address	AXICOM 90m Lattice Tower, Pilliga East State Forest off Newell Hwy, NARRABRI NSW 2357
Co-ordinates (GDA94)	Latitude: -30.803078 Longitude: 149.484306

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357736
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357737
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 5

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:

a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and

b. protection from such interference cannot be afforded.

Special Conditions applying to Station 5

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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	204320
Site address	Telstra Site, Pinegrove Newell Hwy, COONABARABRAN NSW 2396
Co-ordinates (GDA94)	Latitude: -31.059372 Longitude: 149.402577

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357738
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357739
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 6

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 6

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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	204306
Site address	Optus Vodafone Site, COONABARABRAN SOUTH NSW 2357
Co-ordinates (GDA94)	Latitude: -31.335789 Longitude: 149.285772

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357740
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357741
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 7

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 7

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 8:**

Site details	
Site ID	11017
Site address	Telstra 38m Tower Broadcast Australia Site, Mt Cenn Cruaich Access Rd, MT CENN CRUAICH NSW 2357
Co-ordinates (GDA94)	Latitude: -31.342526 Longitude: 149.023751

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357742
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357743
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 8

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:

a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and

b. protection from such interference cannot be afforded.

Special Conditions applying to Station 8

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 9:**

Site details	
Site ID	204299
Site address	Vodafone Site, Everleigh Newell Hwy, TOORAWEENAH NSW 2357
Co-ordinates (GDA94)	Latitude: -31.46741 Longitude: 149.0149

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357744
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357745
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 9

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 9

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 10:**

Site details	
Site ID	7255
Site address	Telstra Exchange, Bank Street, MOREE NSW 2400
Co-ordinates (GDA94)	Latitude: -29.463611 Longitude: 149.843988

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357746
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357747
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 10

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 10

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 11:**

Site details	
Site ID	402379
Site address	Optus Site 120 Beardy St, ARMIDALE NSW 2350
Co-ordinates (GDA94)	Latitude: -30.514366 Longitude: 151.66832

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357748
Transmitter power	60.26 W
EIRP	2.69 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	40104
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	18
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357749
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	40104
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	18
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 11

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 11

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 12:**

Site details	
Site ID	203318
Site address	Optus 437 Peel St, TAMWORTH NSW 2340
Co-ordinates (GDA94)	Latitude: -31.092835 Longitude: 150.930995

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357750
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357751
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 12

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 12

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 13:**

Site details	
Site ID	6477
Site address	Broadcast Australia Site, Bald Hill Daruka Rd, DARUKA NSW 2340
Co-ordinates (GDA94)	Latitude: -31.0759 Longitude: 150.957558

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357752
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357753
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 13

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 13

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 14:**

Site details	
Site ID	6686
Site address	Broadcast Tower Kellys Plains, Translator Rd, ARMIDALE NSW 2350
Co-ordinates (GDA94)	Latitude: -30.541343 Longitude: 151.651587

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357754
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357755
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 14

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 14

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 15:**

Site details	
Site ID	7254
Site address	Axicom 80m Lattice Tower, LOT 5 Mallee Road, MOREE NSW 2400
Co-ordinates (GDA94)	Latitude: -29.470596 Longitude: 149.750975

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357756
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357757
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 15

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 15

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 16:**

Site details	
Site ID	250201
Site address	Optus/Vodafone Site Shire Council Depot, cnr Essex & Charles Sts, COONABARABRAN NSW 2357
Co-ordinates (GDA94)	Latitude: -31.271193 Longitude: 149.279099

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357758
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357759
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 16

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:

a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and

b. protection from such interference cannot be afforded.

Special Conditions applying to Station 16

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 17:**

Site details	
Site ID	7003
Site address	Telstra Site, Porcupine Hill, GUNNEDAH NSW 2380
Co-ordinates (GDA94)	Latitude: -31.002169 Longitude: 150.261619

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357760
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357761
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 17

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 17

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 18:**

Site details	
Site ID	7092
Site address	Logan & Fitzroy Streets, NARRABRI NSW 2390
Co-ordinates (GDA94)	Latitude: -30.328268 Longitude: 149.792719

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357762
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357763
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 18

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 18

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 19:

Site details	
Site ID	250087
Site address	Vodafone Site Halliday Property Springvale, New England Hwy, WINGEN NSW 2337
Co-ordinates (GDA94)	Latitude: -31.935859 Longitude: 150.894701

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357764
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357765
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 19

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:

a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and

b. protection from such interference cannot be afforded.

If interference to a station operated under this licence is caused by a radiocommunications device that is authorised to operate under a spectrum licence, ACMA will consider any dispute from the starting point that the spectrum licence has priority over this licence, irrespective of the date that the spectrum licenced device was first operated.

Special Conditions applying to Station 19

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 20:**

Site details	
Site ID	6404
Site address	NSW Govt Site Mount Helen, off New England Hwy, MURRURUNDI NSW 2338
Co-ordinates (GDA94)	Latitude: -31.728017 Longitude: 150.843597

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357766
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357767
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 20

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 20

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

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 21:**

Site details	
Site ID	370284
Site address	Vodafone Site, Sugarloaf Moutain via, QUIRINDI NSW 2343
Co-ordinates (GDA94)	Latitude: -31.43185 Longitude: 150.871798

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357768
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357769
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 21

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 21

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 22:**

Site details	
Site ID	130159
Site address	Vodafone/Optus Site The Range, New England Highway, MOONBI TRIG NSW 2353
Co-ordinates (GDA94)	Latitude: -30.945751 Longitude: 151.14507

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357770
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357771
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 22

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 22

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 23:**

Site details	
Site ID	370285
Site address	Vodafone/Optus Site Sidling Hill, via, URALLA NSW 2354
Co-ordinates (GDA94)	Latitude: -30.762332 Longitude: 151.363314

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357772
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357773
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 23

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 23

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 24:**

Site details	
Site ID	131057
Site address	Vodafone Site, SOUTH GUYRA NSW 2365
Co-ordinates (GDA94)	Latitude: -30.261157 Longitude: 151.682406

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357774
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357775
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 24

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 24

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

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 25:**

Site details	
Site ID	202267
Site address	Optus Site, 58 Thunderbolt Cave Rd Lake Mountain, BLACKLANDS NSW 2365
Co-ordinates (GDA94)	Latitude: -30.333229 Longitude: 151.674867

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357776
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357777
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 25

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 25

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 26:**

Site details	
Site ID	201832
Site address	Axicom 35.6m Monopole, 34 Pomona Rd, URALLA NSW 2358
Co-ordinates (GDA94)	Latitude: -30.632598 Longitude: 151.502479

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357778
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357779
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 26

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 26

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 27:**

Site details	
Site ID	250491
Site address	CMTS Site, Farrer Ag High School Calala Lane, TAMWORTH NSW 2340
Co-ordinates (GDA94)	Latitude: -31.144625 Longitude: 150.982466

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357780
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357781
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 27

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 27

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 28:**

Site details	
Site ID	202201
Site address	Vodafone/Optus Site, Fairview New England Hwy, WALLABADAH NSW 2343
Co-ordinates (GDA94)	Latitude: -31.6001 Longitude: 150.788334

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357782
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357783
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 28

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 28

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 29:**

Site details	
Site ID	9010146
Site address	Armidale, Workshop Road, UNE, ARMIDALE NSW 2350
Co-ordinates (GDA94)	Latitude: -30.481561 Longitude: 151.643932

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357784
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357785
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 29

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 29

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 30:**

Site details	
Site ID	9019227
Site address	NBN Co Site, Lot 72 Lillis Lane, BARRABA NSW 2347
Co-ordinates (GDA94)	Latitude: -30.377529 Longitude: 150.600465

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357786
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357787
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 30

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 30

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 31:**

Site details	
Site ID	132130
Site address	Telstra Site, NEWRY TRIG NSW 2346
Co-ordinates (GDA94)	Latitude: -30.487432 Longitude: 150.641056

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357788
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357789
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 31

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 31

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

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 32:**

Site details	
Site ID	9019226
Site address	NBN Co Site, 107 Wimborne Road, MANILLA NSW 2346
Co-ordinates (GDA94)	Latitude: -30.743914 Longitude: 150.698715

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357790
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357791
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 32

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 32

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 33:**

Site details	
Site ID	9015379
Site address	NBN Co Site, Lot B Garthowen Rd, ATTUNGA NSW 2340
Co-ordinates (GDA94)	Latitude: -30.929604 Longitude: 150.852097

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357792
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357793
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 33

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 33

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

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 34:**

Site details	
Site ID	9015376
Site address	NBN Co Site, 108 Reilleys Rd, HALLSVILLE NSW 2340
Co-ordinates (GDA94)	Latitude: -31.010099 Longitude: 150.874862

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357794
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357795
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 34

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 34

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 35:**

Site details	
Site ID	9018070
Site address	NBN Co Site, 383 Browns Lane, OXLEY VALE NSW 2340
Co-ordinates (GDA94)	Latitude: -31.0438 Longitude: 150.89473

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357796
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357797
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 35

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 35

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

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 36:**

Site details	
Site ID	9015382
Site address	Murroon Water Reservoir, Country Road off Oxley Highway, WESTDALE NSW 2340
Co-ordinates (GDA94)	Latitude: -31.113331 Longitude: 150.864272

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357798
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357799
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 36

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 36

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 37:**

Site details	
Site ID	9013207
Site address	Telstra RBS Site, Lot 500 21 Lawrence Av, KINGSWOOD NSW 2340
Co-ordinates (GDA94)	Latitude: -31.155806 Longitude: 150.899077

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357800
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357801
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 37

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 37

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 38:**

Site details	
Site ID	9020759
Site address	NBN Co Site, 1052 Nundle Road, PIALLAMORE NSW 2340
Co-ordinates (GDA94)	Latitude: -31.173358 Longitude: 151.070255

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357802
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357803
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 38

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 38

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 39:**

Site details	
Site ID	9015380
Site address	NBN Co Site, 242 Tanglewood Rd, MOONBI NSW 2340
Co-ordinates (GDA94)	Latitude: -31.025606 Longitude: 151.081505

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357804
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357805
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 39

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 39

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 40:**

Site details	
Site ID	9010909
Site address	Invergowrie, Bundarra Road, INVERGOWRIE NSW 2350 NSW 2350
Co-ordinates (GDA94)	Latitude: -30.505515 Longitude: 151.544329

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357806
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357807
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 40

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 40

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

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 41:**

Site details	
Site ID	250682
Site address	Optus Site, Dungowan Rd, DURI NSW 2344
Co-ordinates (GDA94)	Latitude: -31.2195 Longitude: 150.819307

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357808
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357809
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 41

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 41

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 42:**

Site details	
Site ID	133209
Site address	Telstra Site, Gunnedah Rd, TAMINDA NSW 2340
Co-ordinates (GDA94)	Latitude: -31.095642 Longitude: 150.906522

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357810
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357811
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 42

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 42

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 43:**

Site details	
Site ID	6501
Site address	Tamworth City Council Reservoir Site, One Tree Hill, TAMWORTH NSW 2340
Co-ordinates (GDA94)	Latitude: -31.116501 Longitude: 150.909567

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357812
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357813
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 43

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 43

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 44:**

Site details	
Site ID	6493
Site address	Telstra Exchange, Jean Street, WEST TAMWORTH NSW 2340
Co-ordinates (GDA94)	Latitude: -31.104449 Longitude: 150.915102

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357814
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357815
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 44

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 44

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 45:**

Site details	
Site ID	9021275
Site address	Telstra Site, Bass Street, TAMINDA NSW 2340
Co-ordinates (GDA94)	Latitude: -31.095496 Longitude: 150.890177

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357816
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357817
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 45

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 45

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 46:**

Site details	
Site ID	6485
Site address	Prime Studio Tower, TAMWORTH NSW 2340
Co-ordinates (GDA94)	Latitude: -31.127792 Longitude: 150.925602

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357818
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357819
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 46

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 46

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 47:**

Site details	
Site ID	204254
Site address	Optus Site, Diamond Babbin Boon Lane, SOMERTON NSW 2340
Co-ordinates (GDA94)	Latitude: -30.982142 Longitude: 150.591113

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357820
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357821
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 47

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 47

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

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 48:**

Site details	
Site ID	9015696
Site address	NBN Co Site, 1 Haidee Street, BENDEMEER NSW 2355
Co-ordinates (GDA94)	Latitude: -30.88276 Longitude: 151.161633

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357822
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357823
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 48

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 48

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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 49:**

Site details	
Site ID	9012966
Site address	Optus Lattice Tower Rubbish Tip, Off New England Highway, KOOTINGAL NSW 2340
Co-ordinates (GDA94)	Latitude: -31.06748 Longitude: 151.041314

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357824
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357825
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 49

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 49

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

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 50:**

Site details	
Site ID	9012397
Site address	Transgrid Site, Armidale Substation, Grafton Road, ARMIDALE NSW 2350
Co-ordinates (GDA94)	Latitude: -30.531335 Longitude: 151.712908

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357826
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001357827
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 50

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:
a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
b. protection from such interference cannot be afforded.

Special Conditions applying to Station 50

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.