Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority

Australian Government | acma

Licensee details

Customer ID	20053839
Licensee	TELSTRA LIMITED
Trading name	Telstra - Commercial Engineering - Spectrum Strategy
Licensee address	Locked Bag 3501, BRISBANE, QLD 4001

Licence details

Licence service	PTS
Licence subservice	PMTS Class B
Licence number	1927767/1
Date of issue	12/10/2023
Date of effect	12/10/2023
Date of expiry	11/10/2025

Licence conditions

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

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

Rights of appeal

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

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

Important

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

ACMA contact details

Customer Service Centre
PO Box 78
BELCONNEN ACT 2616

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

ACMA website: www.acma.gov.au

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	50449
Site address	Telstra Radio Terminal, GLEN LYON NSW 2880
Co-ordinates (GDA94)	Latitude: -32.018651 Longitude: 142.251086

Transmitter details	
Assigned frequency	2.15750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909778
Transmitter power	60.00 W
EIRP	2.13 kW
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	46
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.96750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909781
Transmitter power	N/A
EIRP	N/A
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	46
Antenna type	Panel (1 sector)-R

Advisory Notes applying to Station 1

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 1

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 2:**

Site details	
Site ID	11442
Site address	Telstra Site, Andersons Hill, LITTLE TOPAR NSW 2880
Co-ordinates (GDA94)	Latitude: -31.58581 Longitude: 142.79966

Transmitter details	
Assigned frequency	2.16250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909782
Transmitter power	60.00 W
EIRP	2.13 kW
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	100
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.97250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909785
Transmitter power	N/A
EIRP	N/A
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	100
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	11442
Site address	Telstra Site, Andersons Hill, LITTLE TOPAR NSW 2880
Co-ordinates (GDA94)	Latitude: -31.58581 Longitude: 142.79966

Transmitter details	
Assigned frequency	2.15750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909786
Transmitter power	60.00 W
EIRP	2.13 kW
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	100
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.96750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909789
Transmitter power	N/A
EIRP	N/A
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	100
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	50449
Site address	Telstra Radio Terminal, GLEN LYON NSW 2880
Co-ordinates (GDA94)	Latitude: -32.018651 Longitude: 142.251086

Transmitter details	
Assigned frequency	2.16250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909790
Transmitter power	60.00 W
EIRP	2.13 kW
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	46
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.97250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909793
Transmitter power	N/A
EIRP	N/A
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	46
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	11468
Site address	Telstra Site Lower Cobham R/T, Silver City HWY, LOWER COBHAM NSW 2880
Co-ordinates (GDA94)	Latitude: -30.358605 Longitude: 142.043762

Transmitter details	
Assigned frequency	2.16250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909794
Transmitter power	60.00 W
EIRP	2.13 kW
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	100
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.97250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909797
Transmitter power	N/A
EIRP	N/A
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	100
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	11468
Site address	Telstra Site Lower Cobham R/T, Silver City HWY, LOWER COBHAM NSW 2880
Co-ordinates (GDA94)	Latitude: -30.358605 Longitude: 142.043762

Transmitter details	
Assigned frequency	2.15750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909798
Transmitter power	60.00 W
EIRP	2.13 kW
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	100
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.96750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909801
Transmitter power	N/A
EIRP	N/A
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	100
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	11479
Site address	Telstra Site, Mount Shannon via Silver City Highway, MILPARINKA NSW 2880
Co-ordinates (GDA94)	Latitude: -29.912409 Longitude: 141.563476

Transmitter details	
Assigned frequency	2.15750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909802
Transmitter power	60.00 W
EIRP	2.13 kW
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	86
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.96750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909805
Transmitter power	N/A
EIRP	N/A
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	86
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	11477
Site address	Telstra site, 53 km NNE of Broken Hill, MOUNT DERING NSW 2880
Co-ordinates (GDA94)	Latitude: -31.485694 Longitude: 141.612202

Transmitter details	
Assigned frequency	2.16250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909806
Transmitter power	60.00 W
EIRP	2.13 kW
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	100
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.97250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909809
Transmitter power	N/A
EIRP	N/A
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	100
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.

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 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	11405
Site address	Telstra, Polia Road Darling River South Menindee Opposite, WILLOTIA STATION NSW 2880
Co-ordinates (GDA94)	Latitude: -32.835266 Longitude: 142.325016

Transmitter details	
Assigned frequency	2.16250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909810
Transmitter power	60.00 W
EIRP	2.13 kW
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	76
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.97250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909813
Transmitter power	N/A
EIRP	N/A
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	76
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.

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 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	11496
Site address	Telstra site, 30 km WSW of Broken Hill, THACKARINGA NSW 2880
Co-ordinates (GDA94)	Latitude: -32.047946 Longitude: 141.172953

Transmitter details	
Assigned frequency	2.16250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909814
Transmitter power	60.00 W
EIRP	2.13 kW
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	45
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.97250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909817
Transmitter power	N/A
EIRP	N/A
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	45
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.

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 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	11477
Site address	Telstra site, 53 km NNE of Broken Hill, MOUNT DERING NSW 2880
Co-ordinates (GDA94)	Latitude: -31.485694 Longitude: 141.612202

Transmitter details	
Assigned frequency	2.15750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909818
Transmitter power	60.00 W
EIRP	2.13 kW
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	100
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.96750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909821
Transmitter power	N/A
EIRP	N/A
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	100
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.

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 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	11525
Site address	Telstra Radio Terminal, 1.4 km NE of Post Office, TIBOOBURRA NSW 2880
Co-ordinates (GDA94)	Latitude: -29.421832 Longitude: 142.015839

Transmitter details	
Assigned frequency	2.15750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909822
Transmitter power	60.00 W
EIRP	2.13 kW
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	39
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.96750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909825
Transmitter power	N/A
EIRP	N/A
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	39
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	11496
Site address	Telstra site, 30 km WSW of Broken Hill, THACKARINGA NSW 2880
Co-ordinates (GDA94)	Latitude: -32.047946 Longitude: 141.172953

Transmitter details	
Assigned frequency	2.15750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909826
Transmitter power	60.00 W
EIRP	2.13 kW
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	45
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.96750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909829
Transmitter power	N/A
EIRP	N/A
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	45
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.

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 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	11482
Site address	Telstra Radio Terminal, NETLEY SOUTH NSW 2880
Co-ordinates (GDA94)	Latitude: -32.626834 Longitude: 141.439622

Transmitter details	
Assigned frequency	2.15750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909830
Transmitter power	60.00 W
EIRP	2.13 kW
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	80
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.96750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909833
Transmitter power	N/A
EIRP	N/A
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	80
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.

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 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	11524
Site address	Telstra Tower Mw350, 79 Km North White Cliffs, QUARRY VIEW NSW 2880
Co-ordinates (GDA94)	Latitude: -30.142809 Longitude: 142.952767

Transmitter details	
Assigned frequency	2.16250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909834
Transmitter power	60.00 W
EIRP	2.13 kW
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	63
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.97250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909837
Transmitter power	N/A
EIRP	N/A
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	63
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	11525
Site address	Telstra Radio Terminal, 1.4 km NE of Post Office, TIBOOBURRA NSW 2880
Co-ordinates (GDA94)	Latitude: -29.421832 Longitude: 142.015839

Transmitter details	
Assigned frequency	2.16250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909838
Transmitter power	60.00 W
EIRP	2.13 kW
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	39
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.97250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909841
Transmitter power	N/A
EIRP	N/A
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	39
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	11524
Site address	Telstra Tower Mw350, 79 Km North White Cliffs, QUARRY VIEW NSW 2880
Co-ordinates (GDA94)	Latitude: -30.142809 Longitude: 142.952767

Transmitter details	
Assigned frequency	2.15750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909842
Transmitter power	60.00 W
EIRP	2.13 kW
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	63
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.96750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909845
Transmitter power	N/A
EIRP	N/A
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	63
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	11405
Site address	Telstra, Polia Road Darling River South Menindee Opposite, WILLOTIA STATION NSW 2880
Co-ordinates (GDA94)	Latitude: -32.835266 Longitude: 142.325016

Transmitter details	
Assigned frequency	2.15750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909846
Transmitter power	60.00 W
EIRP	2.13 kW
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	76
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.96750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909849
Transmitter power	N/A
EIRP	N/A
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	76
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.

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 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	11479
Site address	Telstra Site, Mount Shannon via Silver City Highway, MILPARINKA NSW 2880
Co-ordinates (GDA94)	Latitude: -29.912409 Longitude: 141.563476

Transmitter details	
Assigned frequency	2.16250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909850
Transmitter power	60.00 W
EIRP	2.13 kW
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	86
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.97250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909853
Transmitter power	N/A
EIRP	N/A
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	86
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.

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	11482
Site address	Telstra Radio Terminal, NETLEY SOUTH NSW 2880
Co-ordinates (GDA94)	Latitude: -32.626834 Longitude: 141.439622

Transmitter details	
Assigned frequency	2.16250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909854
Transmitter power	60.00 W
EIRP	2.13 kW
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	80
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.97250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909857
Transmitter power	N/A
EIRP	N/A
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	80
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.

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 20

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 21:**

Site details	
Site ID	132874
Site address	Telstra Site, Coombah Popio Rd, COOMBAH NSW 2880
Co-ordinates (GDA94)	Latitude: -33.02305 Longitude: 141.650757

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909858
Transmitter power	62.00 W
EIRP	1.39 kW
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	32
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909861
Transmitter power	N/A
EIRP	N/A
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	32
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	132874
Site address	Telstra Site, Coombah Popio Rd, COOMBAH NSW 2880
Co-ordinates (GDA94)	Latitude: -33.02305 Longitude: 141.650757

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909862
Transmitter power	62.00 W
EIRP	1.39 kW
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	32
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000909865
Transmitter power	N/A
EIRP	N/A
Emission designator	3M84F9W
Antenna details	
Antenna ID	80154
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	32
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.