Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority

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	1927850/1
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	132574
Site address	Telstra Site Cowangie CMTS, LOT2 Plan PP5203 Dayman St, COWANGIE VIC 3506
Co-ordinates (GDA94)	Latitude: -35.2342 Longitude: 141.3776

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000912988
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)	60
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000912991
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)	60
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	11848
Site address	Telstra Site, Commercial St, MERBEIN VIC 3505
Co-ordinates (GDA94)	Latitude: -34.16829 Longitude: 142.058089

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000912992
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)	25
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000912995
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)	25
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	304944
Site address	Telstra Site, cnr Roberts Cl & Koorolong Ave, IRYMPLE VIC 3498
Co-ordinates (GDA94)	Latitude: -34.24042 Longitude: 142.16386

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000912996
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)	27
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000912999
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)	27
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	304945
Site address	Telstra Site Lindemans Winery, Karadoc Rd, KARADOC VIC 3496
Co-ordinates (GDA94)	Latitude: -34.3399 Longitude: 142.284495

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913000
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)	18
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913003
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)	18
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	11846
Site address	Telstra Toewr Hattah, 2001 Plan PP3199 Calder Hwy, MURRAY-SUNSET VIC 3490
Co-ordinates (GDA94)	Latitude: -34.776627 Longitude: 142.27977

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913004
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)	84
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913007
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)	84
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	9011351
Site address	Telstra RBS Site, 251 Cureton Av, NICHOLS POINT VIC 3501
Co-ordinates (GDA94)	Latitude: -34.203484 Longitude: 142.209662

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913008
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)	60
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913011
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)	60
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	11783
Site address	Telstra site, Sturt Highway 14 km NNW of, MORKALLA VIC 3496
Co-ordinates (GDA94)	Latitude: -34.271886 Longitude: 141.134166

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913012
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)	70
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913015
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)	70
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	11759
Site address	Telstra lattice tower, 19 Keillor Lane, CARWARP VIC 3496
Co-ordinates (GDA94)	Latitude: -34.456976 Longitude: 142.1956

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913016
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)	61
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913019
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)	61
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	11759
Site address	Telstra lattice tower, 19 Keillor Lane, CARWARP VIC 3496
Co-ordinates (GDA94)	Latitude: -34.456976 Longitude: 142.1956

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913020
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)	61
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913023
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)	61
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	11790
Site address	Telstra Exchange, CULLULLERAINE VIC 3496
Co-ordinates (GDA94)	Latitude: -34.277813 Longitude: 141.598188

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913024
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)	20
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913027
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)	20
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	11783
Site address	Telstra site, Sturt Highway 14 km NNW of, MORKALLA VIC 3496
Co-ordinates (GDA94)	Latitude: -34.271886 Longitude: 141.134166

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913028
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)	70
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913031
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)	70
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	132574
Site address	Telstra Site Cowangie CMTS, LOT2 Plan PP5203 Dayman St, COWANGIE VIC 3506
Co-ordinates (GDA94)	Latitude: -35.2342 Longitude: 141.3776

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913032
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)	60
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913035
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)	60
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	133143
Site address	Telstra Site Car Park Mildura Plaza, Calder Hwy, MILDURA VIC 3500
Co-ordinates (GDA94)	Latitude: -34.207919 Longitude: 142.138379

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913036
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)	27
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913039
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)	27
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	301090
Site address	Telstra/Optus Site, Lot 5 Beevers Lane, RED CLIFFS VIC 3496
Co-ordinates (GDA94)	Latitude: -34.299807 Longitude: 142.182308

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913040
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)	41
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913043
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)	41
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	36745
Site address	Telstra Site, Mallee Hwy, KULWIN VIC 3490
Co-ordinates (GDA94)	Latitude: -35.028343 Longitude: 142.643646

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913044
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)	93
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913047
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)	93
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	305875
Site address	Telstra CMTS, WOORNACK VIC 3490
Co-ordinates (GDA94)	Latitude: -35.156745 Longitude: 142.518833

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913048
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)	59
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913051
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)	59
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	11790
Site address	Telstra Exchange, CULLULLERAINE VIC 3496
Co-ordinates (GDA94)	Latitude: -34.277813 Longitude: 141.598188

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913052
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)	20
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913055
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)	20
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	11846
Site address	Telstra Toewr Hattah, 2001 Plan PP3199 Calder Hwy, MURRAY-SUNSET VIC 3490
Co-ordinates (GDA94)	Latitude: -34.776627 Longitude: 142.27977

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913056
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)	84
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913059
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)	84
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	36745
Site address	Telstra Site, Mallee Hwy, KULWIN VIC 3490
Co-ordinates (GDA94)	Latitude: -35.028343 Longitude: 142.643646

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913060
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)	93
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913063
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)	93
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	132499
Site address	Telstra Site, Mallee Hwy, UNDERBOOL VIC 3509
Co-ordinates (GDA94)	Latitude: -35.171153 Longitude: 141.820356

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913064
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)	60
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913067
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)	60
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 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	11848
Site address	Telstra Site, Commercial St, MERBEIN VIC 3505
Co-ordinates (GDA94)	Latitude: -34.16829 Longitude: 142.058089

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913068
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)	25
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913071
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)	25
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	11842
Site address	Telstra Exchange, 21 Langtree Avenue, MILDURA VIC 3500
Co-ordinates (GDA94)	Latitude: -34.18287 Longitude: 142.161911

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913072
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)	82
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913075
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)	82
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	11842
Site address	Telstra Exchange, 21 Langtree Avenue, MILDURA VIC 3500
Co-ordinates (GDA94)	Latitude: -34.18287 Longitude: 142.161911

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913076
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)	82
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913079
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)	82
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	304945
Site address	Telstra Site Lindemans Winery, Karadoc Rd, KARADOC VIC 3496
Co-ordinates (GDA94)	Latitude: -34.3399 Longitude: 142.284495

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913080
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)	18
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913083
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)	18
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 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 25:**

Site details	
Site ID	304944
Site address	Telstra Site, cnr Roberts Cl & Koorolong Ave, IRYMPLE VIC 3498
Co-ordinates (GDA94)	Latitude: -34.24042 Longitude: 142.16386

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913084
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)	27
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913087
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)	27
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	11784
Site address	Telstra Radio Terminal, Pirlta North 6.5 km NNW of, PIRLTA VIC 3496
Co-ordinates (GDA94)	Latitude: -34.314331 Longitude: 141.864638

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913088
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)	54
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913091
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)	54
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	133746
Site address	Telstra Mildura Airport CMTS, Lot 2 Deakin Avenue, MILDURA VIC 3501
Co-ordinates (GDA94)	Latitude: -34.23582 Longitude: 142.09605

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913092
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)	35
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913095
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)	35
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	133143
Site address	Telstra Site Car Park Mildura Plaza, Calder Hwy, MILDURA VIC 3500
Co-ordinates (GDA94)	Latitude: -34.207919 Longitude: 142.138379

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913096
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)	27
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913099
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)	27
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	300831
Site address	Telstra Exchange, NANGILOC VIC 3496
Co-ordinates (GDA94)	Latitude: -34.500654 Longitude: 142.360433

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913100
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)	37
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913103
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)	37
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 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 30:**

Site details	
Site ID	300831
Site address	Telstra Exchange, NANGILOC VIC 3496
Co-ordinates (GDA94)	Latitude: -34.500654 Longitude: 142.360433

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913104
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)	37
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913107
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)	37
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	9011351
Site address	Telstra RBS Site, 251 Cureton Av, NICHOLS POINT VIC 3501
Co-ordinates (GDA94)	Latitude: -34.203484 Longitude: 142.209662

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913108
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)	60
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913111
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)	60
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 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 32:**

Site details	
Site ID	9011644
Site address	Telstra Site Murrayville Grain Silo, 14 Mckenzie St, MURRAYVILLE VIC 3512
Co-ordinates (GDA94)	Latitude: -35.26113 Longitude: 141.18317

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913112
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)	38
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913115
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)	38
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	36749
Site address	Telstra Exchange, Gregory Street, OUYEN VIC 3490
Co-ordinates (GDA94)	Latitude: -35.071558 Longitude: 142.31187

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913116
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)	38
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913119
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)	38
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 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 34:**

Site details	
Site ID	9011644
Site address	Telstra Site Murrayville Grain Silo, 14 Mckenzie St, MURRAYVILLE VIC 3512
Co-ordinates (GDA94)	Latitude: -35.26113 Longitude: 141.18317

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913120
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)	38
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913127
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)	38
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	11784
Site address	Telstra Radio Terminal, Pirlta North 6.5 km NNW of, PIRLTA VIC 3496
Co-ordinates (GDA94)	Latitude: -34.314331 Longitude: 141.864638

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913128
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)	54
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913131
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)	54
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 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 36:**

Site details	
Site ID	133746
Site address	Telstra Mildura Airport CMTS, Lot 2 Deakin Avenue, MILDURA VIC 3501
Co-ordinates (GDA94)	Latitude: -34.23582 Longitude: 142.09605

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913132
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)	35
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913135
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)	35
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	36749
Site address	Telstra Exchange, Gregory Street, OUYEN VIC 3490
Co-ordinates (GDA94)	Latitude: -35.071558 Longitude: 142.31187

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913136
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)	38
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913139
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)	38
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	302635
Site address	Telstra Site Saleyards, Calder Hwy, YELTA VIC 3505
Co-ordinates (GDA94)	Latitude: -34.125262 Longitude: 141.994712

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913140
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	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913143
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 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	305875
Site address	Telstra CMTS, WOORNACK VIC 3490
Co-ordinates (GDA94)	Latitude: -35.156745 Longitude: 142.518833

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913144
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)	59
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913147
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)	59
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	36219
Site address	Telstra Exchange, WALPEUP VIC 3507
Co-ordinates (GDA94)	Latitude: -35.134058 Longitude: 142.024475

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913148
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)	50
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913151
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)	50
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 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 41:**

Site details	
Site ID	302635
Site address	Telstra Site Saleyards, Calder Hwy, YELTA VIC 3505
Co-ordinates (GDA94)	Latitude: -34.125262 Longitude: 141.994712

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913152
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	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913155
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 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	36219
Site address	Telstra Exchange, WALPEUP VIC 3507
Co-ordinates (GDA94)	Latitude: -35.134058 Longitude: 142.024475

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913156
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)	50
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913159
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)	50
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	301090
Site address	Telstra/Optus Site, Lot 5 Beevers Lane, RED CLIFFS VIC 3496
Co-ordinates (GDA94)	Latitude: -34.299807 Longitude: 142.182308

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913160
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)	41
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913163
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)	41
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	132499
Site address	Telstra Site, Mallee Hwy, UNDERBOOL VIC 3509
Co-ordinates (GDA94)	Latitude: -35.171153 Longitude: 141.820356

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913164
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)	60
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913167
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)	60
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	9011636
Site address	Telstra Site, 785 - 795 Walnut Av, MILDURA VIC 3501
Co-ordinates (GDA94)	Latitude: -34.21842 Longitude: 142.1111

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913168
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)	36
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913171
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)	36
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	9011636
Site address	Telstra Site, 785 - 795 Walnut Av, MILDURA VIC 3501
Co-ordinates (GDA94)	Latitude: -34.21842 Longitude: 142.1111

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913172
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)	36
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913175
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)	36
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	9014950
Site address	7 Plan, 701093 Scherger Drive, MILDURA VIC 3501
Co-ordinates (GDA94)	Latitude: -34.186244 Longitude: 142.133061

Transmitter details	
Assigned frequency	2.12750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913176
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)	35
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93750000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913179
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)	35
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 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 48:**

Site details	
Site ID	9014950
Site address	7 Plan, 701093 Scherger Drive, MILDURA VIC 3501
Co-ordinates (GDA94)	Latitude: -34.186244 Longitude: 142.133061

Transmitter details	
Assigned frequency	2.12250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913180
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)	35
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.93250000 GHz
Bandwidth	5.000000 MHz
Freq. assign. ID	0000913183
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)	35
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.