

# Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



## Licensee details

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

## Licence details

Licence service	PTS
Licence subservice	PMTS Class B
Licence number	1988358/7
Date of issue	01/08/2023
Date of effect	01/08/2023
Date of expiry	17/08/2024

## Licence conditions

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

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

### **Rights of appeal**

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

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

### **Important**

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

## ACMA contact details

Customer Service Centre  
PO Box 78  
BELCONNEN ACT 2616

Telephone: 1300 850 115  
Email: [info@acma.gov.au](mailto:info@acma.gov.au)

ACMA website: [www.acma.gov.au](http://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	9015450
Site address	Optus Rooftop Site International Terminal, Airport Avenue, AREOGLEN QLD 4870
Co-ordinates (GDA94)	Latitude: -16.873371 Longitude: 145.754949

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001911802
Transmitter power	20.00 W
EIRP	39.90 W
Emission designator	10M0W7D

#### Antenna details

Antenna ID	90798
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	5
Antenna type	Dipole

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001911803
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	90798
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	5
Antenna type	Dipole

## 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	135470
Site address	Optus Site Cairns CBD, 17 Abbott St, CAIRNS QLD 4870
Co-ordinates (GDA94)	Latitude: -16.92417 Longitude: 145.77878

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001911804
Transmitter power	20.00 W
EIRP	39.90 W
Emission designator	10M0W7D

#### Antenna details

Antenna ID	90798
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	5
Antenna type	Dipole

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001911805
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	90798
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	5
Antenna type	Dipole

## 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	9013535
Site address	Optus Lattice Tower Wolfe Property, 412R Kamerunga Road, STRATFORD QLD 4870
Co-ordinates (GDA94)	Latitude: -16.875039 Longitude: 145.723222

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001911806
Transmitter power	80.00 W
EIRP	4.01 kW
Emission designator	10M0W7D

#### Antenna details

Antenna ID	90025
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	39
Antenna type	Panel(1 sector)

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001911807
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	90025
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	39
Antenna type	Panel(1 sector)

## 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	10002151
Site address	Smithfield Shopping Centre, cnr Captain Cook and Kennedy Highways, SMITHFIELD QLD
Co-ordinates (GDA94)	Latitude: -16.836881 Longitude: 145.691994

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001832251
Transmitter power	80.00 W
EIRP	2.65 kW
Emission designator	10M0W7D

Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001832252
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

## 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	9011314
Site address	Telstra Exchange, Cnr Endeavour Rd and Elford St, CLIFTON BEACH QLD 4879
Co-ordinates (GDA94)	Latitude: -16.763825 Longitude: 145.667793

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001832253
Transmitter power	80.00 W
EIRP	2.65 kW
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001832254
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

## 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	10004395
Site address	Palm Cove, Clifton Beach_Kewarra Beach, Palm Cove QLD
Co-ordinates (GDA94)	Latitude: -16.74902 Longitude: 145.66886

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001832255
Transmitter power	80.00 W
EIRP	2.65 kW
Emission designator	10M0W7D

Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001832256
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

## 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	10001641
Site address	Lot 304, 10-20 Walker Road, Edmonton QLD
Co-ordinates (GDA94)	Latitude: -17.01611 Longitude: 145.72825

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001830937
Transmitter power	80.00 W
EIRP	2.65 kW
Emission designator	10M0W7D

Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001830938
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

## 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	10000631
Site address	Optus Monopole, Scott Street, Parramatta Park QLD
Co-ordinates (GDA94)	Latitude: -16.929924 Longitude: 145.76564

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001830939
Transmitter power	80.00 W
EIRP	2.65 kW
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001830940
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

## 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	440276
Site address	162 Mayers St Manunda, CAIRNS QLD 4870
Co-ordinates (GDA94)	Latitude: -16.915144 Longitude: 145.744713

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001830941
Transmitter power	80.00 W
EIRP	2.65 kW
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001830942
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

## 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	9020731
Site address	Kmart, 106 Barnard Dr, MOUNT SHERIDAN QLD 4868
Co-ordinates (GDA94)	Latitude: -16.991078 Longitude: 145.740124

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001830943
Transmitter power	80.00 W
EIRP	2.65 kW
Emission designator	10M0W7D

Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001830944
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

## 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	10004209
Site address	Brinsmead, Lot 2 Brinsmead Road, BRINSMEAD QLD
Co-ordinates (GDA94)	Latitude: -16.911012 Longitude: 145.71063

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001830945
Transmitter power	80.00 W
EIRP	2.65 kW
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001830946
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

## 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	20736
Site address	Water Tower, Mourilyan Road, INNISFAIL QLD 4860
Co-ordinates (GDA94)	Latitude: -17.52856 Longitude: 146.03434

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001345308
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001345309
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

### Advisory Notes applying to Station 12

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

- may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
- 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	130248
Site address	Optus/Vodafone Site Water Tower, Basalt Street, MAREEBA QLD 4880
Co-ordinates (GDA94)	Latitude: -17.002671 Longitude: 145.42573

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001345310
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D

Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001345311
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

### Advisory Notes applying to Station 13

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

- may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
- 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	441105
Site address	Axicom Site, adj Water Reservoir Lot 2 Gorge View Cres, MOSSMAN GORGE QLD 4873
Co-ordinates (GDA94)	Latitude: -16.470646 Longitude: 145.363583

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001345312
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D

Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001345313
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

### Advisory Notes applying to Station 14

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

- may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
- 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	440479
Site address	Optus Tower, Tully Saw Mill, TULLY QLD 4854
Co-ordinates (GDA94)	Latitude: -17.932939 Longitude: 145.934195

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001345314
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001345315
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

### Advisory Notes applying to Station 15

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

- may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
- 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	152493
Site address	Broadcast/Comm Site, Cowley Hill, COWLEY QLD 4871
Co-ordinates (GDA94)	Latitude: -17.699048 Longitude: 146.056171

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001345316
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001345317
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

### Advisory Notes applying to Station 16

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

- may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
- 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	440569
Site address	Ergon Enrgy Site, TV Site, GRAHAM RANGE QLD 4861
Co-ordinates (GDA94)	Latitude: -17.383102 Longitude: 146.002927

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001345318
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D

Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001345319
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

### Advisory Notes applying to Station 17

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

- may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
- 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	9009982
Site address	Powerlink Stanchion, 16 Tanganelli, Off Emperor Street, KANIMBLA QLD 4870
Co-ordinates (GDA94)	Latitude: -16.926794 Longitude: 145.721549

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001345320
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001345321
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

### Advisory Notes applying to Station 18

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

- may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
- protection from such interference cannot be afforded.

### Special Conditions applying to Station 18

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 19:

#### Site details

Site ID	9014432
Site address	Optus Site Kuranda, Myola-Oakforest, KURANDA QLD 4872
Co-ordinates (GDA94)	Latitude: -16.821392 Longitude: 145.624274

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001345322
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001345323
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

### Advisory Notes applying to Station 19

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

- may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
- 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	9015694
Site address	Optus Monopole, 449 Mulgrave Road, EARLVILLE QLD 4870
Co-ordinates (GDA94)	Latitude: -16.94112 Longitude: 145.743208

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001345324
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D

Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001345325
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

### Advisory Notes applying to Station 20

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

- may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
- 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	134811
Site address	Optus Site Smithfield, Dunne Road, SMITHFIELD (CAIRNS) QLD 4878
Co-ordinates (GDA94)	Latitude: -16.829075 Longitude: 145.707479

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001345326
Transmitter power	39.81 W
EIRP	1.32 kW
Emission designator	10M0W7D

Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001345327
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

### Advisory Notes applying to Station 21

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

- may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
- 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	9011166
Site address	Optus Tower Waste Transfer Station, Lower Freshwater Road, KAMERUNGA QLD 4870
Co-ordinates (GDA94)	Latitude: -16.874409 Longitude: 145.694448

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001208190
Transmitter power	79.43 W
EIRP	3.47 kW
Emission designator	10M0W7D

Antenna details	
Antenna ID	40104
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	28
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001208191
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	40104
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	28
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:

- may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
- 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	21215
Site address	Comms Tower Flagstaff Hill, Island Point Rd, PORT DOUGLAS QLD 4871
Co-ordinates (GDA94)	Latitude: -16.481912 Longitude: 145.467117

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001208192
Transmitter power	79.43 W
EIRP	3.24 kW
Emission designator	10M0W7D

#### Antenna details

Antenna ID	13198
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	54
Antenna type	Panel (1 sector)-R

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001208193
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	13198
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	54
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:

- may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
- 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	9026565
Site address	Cairns Central, Corner Of Mcleod and Spence Street, CAIRNS CITY QLD 4870
Co-ordinates (GDA94)	Latitude: -16.925334 Longitude: 145.771924

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001208194
Transmitter power	79.43 W
EIRP	79.43 W
Emission designator	10M0W7D

Antenna details	
Antenna ID	80219
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	5
Antenna type	Radiax (Leaky feeder)-Z

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001208195
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	80219
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	5
Antenna type	Radiax (Leaky feeder)-Z

### 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:

- may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
- protection from such interference cannot be afforded.

### Special Conditions applying to Station 24

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

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

## Technical characteristics

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

### Main Station Site

### Station 25:

Site details	
Site ID	9010657
Site address	Powerlink Tower 1254-STR-0131, 55 Sheehy Rd, WHITE ROCK QLD 4868
Co-ordinates (GDA94)	Latitude: -16.976507 Longitude: 145.756263

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001188468
Transmitter power	79.43 W
EIRP	1.91 kW
Emission designator	10M0W7D

Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	55
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001188469
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	55
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:

- may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
- 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	21955
Site address	Telstra Site, Buchan Point off Captain Cook Hwy, PALM COVE QLD 4879
Co-ordinates (GDA94)	Latitude: -16.736938 Longitude: 145.661751

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173329
Transmitter power	80.00 W
EIRP	4.79 kW
Emission designator	10M0W7D

Antenna details	
Antenna ID	80551
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	12
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173332
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	80551
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	12
Antenna type	Panel (1 sector)-R

## Technical characteristics

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

### Main Station Site

### Station 27:

#### Site details

Site ID	135547
Site address	Optus Site Kewarra, Timber Terrace, CAIRNS QLD 4878
Co-ordinates (GDA94)	Latitude: -16.827928 Longitude: 145.682462

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173333
Transmitter power	80.00 W
EIRP	5.62 kW
Emission designator	10M0W7D

#### Antenna details

Antenna ID	40103
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	28
Antenna type	Panel (1 sector)-R

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173336
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	40103
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	28
Antenna type	Panel (1 sector)-R

## Technical characteristics

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

### Main Station Site

### Station 28:

#### Site details

Site ID	21956
Site address	Telstra Radio Terminal, TRINITY BEACH QLD 4879
Co-ordinates (GDA94)	Latitude: -16.800418 Longitude: 145.688301

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173337
Transmitter power	80.00 W
EIRP	5.62 kW
Emission designator	10M0W7D

#### Antenna details

Antenna ID	40104
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173340
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	40104
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

## Technical characteristics

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

### Main Station Site

### Station 29:

#### Site details

Site ID	20846
Site address	17 Abbott Street, CAIRNS QLD 4870
Co-ordinates (GDA94)	Latitude: -16.923989 Longitude: 145.780098

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173341
Transmitter power	80.00 W
EIRP	7.08 kW
Emission designator	10M0W7D

#### Antenna details

Antenna ID	13198
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	54
Antenna type	Panel (1 sector)-R

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173344
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	13198
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	54
Antenna type	Panel (1 sector)-R

## Technical characteristics

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

### Main Station Site

### Station 30:

Site details	
Site ID	51732
Site address	Vodafone/Optus Site Council Depot, Arnold St, STRATFORD QLD 4870
Co-ordinates (GDA94)	Latitude: -16.869736 Longitude: 145.738443
Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173345
Transmitter power	80.00 W
EIRP	7.08 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	13198
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	35
Antenna type	Panel (1 sector)-R
Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173348
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	13198
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	35
Antenna type	Panel (1 sector)-R

## Technical characteristics

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

### Main Station Site

### Station 31:

#### Site details

Site ID	152882
Site address	Broadcast Site, Mt Williams Redlynch Valley, CAIRNS QLD 4872
Co-ordinates (GDA94)	Latitude: -16.915072 Longitude: 145.690073

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173349
Transmitter power	80.00 W
EIRP	5.62 kW
Emission designator	10M0W7D

#### Antenna details

Antenna ID	40104
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	27
Antenna type	Panel (1 sector)-R

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173352
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	40104
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	27
Antenna type	Panel (1 sector)-R

## Technical characteristics

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

### Main Station Site

### Station 32:

#### Site details

Site ID	135798
Site address	Optus Site Centenary Park, Lot 5 Herald Street, EDMONTON QLD 4869
Co-ordinates (GDA94)	Latitude: -17.001721 Longitude: 145.725015

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173353
Transmitter power	80.00 W
EIRP	5.62 kW
Emission designator	10M0W7D

#### Antenna details

Antenna ID	40104
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	28
Antenna type	Panel (1 sector)-R

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173356
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	40104
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	28
Antenna type	Panel (1 sector)-R

## Technical characteristics

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

### Main Station Site

### Station 33:

Site details	
Site ID	40739
Site address	Seven Queensland Site, 7.6 km ENE of Cairns, MT YARRABAH QLD 4871
Co-ordinates (GDA94)	Latitude: -16.904355 Longitude: 145.843247

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173357
Transmitter power	80.00 W
EIRP	4.79 kW
Emission designator	10M0W7D

Antenna details	
Antenna ID	80551
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	21
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173360
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	80551
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	21
Antenna type	Panel (1 sector)-R

## Technical characteristics

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

### Main Station Site

### Station 34:

Site details	
Site ID	9013276
Site address	Monopole, Telstra Exchange, 17 Pyne Street, EDGE HILL QLD 4870
Co-ordinates (GDA94)	Latitude: -16.899228 Longitude: 145.743035
Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173361
Transmitter power	80.00 W
EIRP	5.62 kW
Emission designator	10M0W7D
Antenna details	
Antenna ID	40104
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	15
Antenna type	Panel (1 sector)-R
Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173364
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D
Antenna details	
Antenna ID	40104
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	15
Antenna type	Panel (1 sector)-R

## Technical characteristics

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

### Main Station Site

### Station 35:

Site details	
Site ID	400239
Site address	Telstra Radio Terminal, GREEN HILL QLD 4871
Co-ordinates (GDA94)	Latitude: -17.039629 Longitude: 145.810588

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173365
Transmitter power	80.00 W
EIRP	7.08 kW
Emission designator	10M0W7D

Antenna details	
Antenna ID	13198
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	15
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173368
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	13198
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	15
Antenna type	Panel (1 sector)-R

## Technical characteristics

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

### Main Station Site

### Station 36:

#### Site details

Site ID	130246
Site address	Optus Site Henleys Hill Reservoir Yara St, CAIRNS QLD 4870
Co-ordinates (GDA94)	Latitude: -16.953691 Longitude: 145.734719

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173369
Transmitter power	80.00 W
EIRP	5.62 kW
Emission designator	10M0W7D

#### Antenna details

Antenna ID	40104
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	28
Antenna type	Panel (1 sector)-R

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173372
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	40104
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	28
Antenna type	Panel (1 sector)-R

## Technical characteristics

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

### Main Station Site

### Station 37:

#### Site details

Site ID	9007838
Site address	Mercure Harbourside Hotel, 209-217 The Esplanade, CAIRNS QLD 4870
Co-ordinates (GDA94)	Latitude: -16.909642 Longitude: 145.765808

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173373
Transmitter power	80.00 W
EIRP	4.47 kW
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81305
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	29
Antenna type	Panel (1 sector)-R

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173376
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81305
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	29
Antenna type	Panel (1 sector)-R

## Technical characteristics

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

### Main Station Site

### Station 38:

Site details	
Site ID	130245
Site address	Optus Site, Saddle Mountain Road 3 km E of Kuranda, SADDLE MOUNTAIN QLD 4871
Co-ordinates (GDA94)	Latitude: -16.818246 Longitude: 145.662478

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173377
Transmitter power	80.00 W
EIRP	7.08 kW
Emission designator	10M0W7D

Antenna details	
Antenna ID	13198
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	18
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173380
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	13198
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	18
Antenna type	Panel (1 sector)-R

## Technical characteristics

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

### Main Station Site

### Station 39:

Site details	
Site ID	9002702
Site address	Stockland Shopping Centre, 537 Mulgrave Rd, CAIRNS QLD 4870
Co-ordinates (GDA94)	Latitude: -16.94303 Longitude: 145.74071

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173381
Transmitter power	80.00 W
EIRP	80.00 W
Emission designator	10M0W7D

Antenna details	
Antenna ID	80881
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	5
Antenna type	Unknown antenna type, size or specifications-

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173384
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	80881
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	5
Antenna type	Unknown antenna type, size or specifications-

## 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	21015
Site address	Matson Plaza Hotel, CAIRNS QLD 4870
Co-ordinates (GDA94)	Latitude: -16.914212 Longitude: 145.769909

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173385
Transmitter power	80.00 W
EIRP	4.17 kW
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	47
Antenna type	Panel (1 sector)-R

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173388
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	47
Antenna type	Panel (1 sector)-R

## Technical characteristics

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

### Main Station Site

### Station 41:

Site details	
Site ID	9010179
Site address	Westcourt, 232 Gatton, MANUNDA QLD 4870 QLD 4870
Co-ordinates (GDA94)	Latitude: -16.926875 Longitude: 145.750617

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173389
Transmitter power	80.00 W
EIRP	4.47 kW
Emission designator	10M0W7D

Antenna details	
Antenna ID	81305
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173392
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	81305
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

## Technical characteristics

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

### Main Station Site

### Station 42:

#### Site details

Site ID	9007651
Site address	Telstra Site, Wattle St, YORKEYS KNOB QLD 4878
Co-ordinates (GDA94)	Latitude: -16.806216 Longitude: 145.716644

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173393
Transmitter power	80.00 W
EIRP	4.17 kW
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	40
Antenna type	Panel (1 sector)-R

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173396
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	40
Antenna type	Panel (1 sector)-R

## Technical characteristics

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

### Main Station Site

### Station 43:

#### Site details

Site ID	403722
Site address	Optus Site Reservoir off Hillview Cr, WHITFIELD QLD 4870
Co-ordinates (GDA94)	Latitude: -16.906972 Longitude: 145.723944

#### Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173397
Transmitter power	80.00 W
EIRP	4.17 kW
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	17
Antenna type	Panel (1 sector)-R

#### Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173400
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

#### Antenna details

Antenna ID	81270
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	17
Antenna type	Panel (1 sector)-R

## Technical characteristics

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

### Main Station Site

### Station 44:

Site details	
Site ID	9009983
Site address	Self Storage Units, 26 Aumuller Street, BUNGALOW QLD 4870
Co-ordinates (GDA94)	Latitude: -16.943726 Longitude: 145.772309

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173401
Transmitter power	80.00 W
EIRP	4.47 kW
Emission designator	10M0W7D

Antenna details	
Antenna ID	81305
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	35
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173404
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	81305
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	35
Antenna type	Panel (1 sector)-R

## Technical characteristics

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

### Main Station Site

### Station 45:

Site details	
Site ID	9010314
Site address	Optus Lattice Tower, Sues Property Lot 5 Highleigh Road, GORDONVALE QLD 4871
Co-ordinates (GDA94)	Latitude: -17.089389 Longitude: 145.796882

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173405
Transmitter power	80.00 W
EIRP	4.47 kW
Emission designator	10M0W7D

Antenna details	
Antenna ID	81305
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	52
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001173408
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	81305
Antenna polarisation	SR - Right-hand slant
Antenna azimuth	
Antenna height (m)	52
Antenna type	Panel (1 sector)-R