

Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



Licensee details

Customer ID	1206369
Licensee	Cadia Holdings Pty Limited
Trading name	Cadia Valley Operations
Licensee address	1460 Cadia Road, ORANGE, NSW 2800

Licence details

Licence service	PTS
Licence subservice	PMTS Class B
Licence number	10937390/4
Date of issue	28/08/2023
Date of effect	28/08/2023
Date of expiry	10/07/2024

Licence conditions

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

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

Rights of appeal

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

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

Important

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

ACMA contact details

Customer Service Centre
PO Box 78
BELCONNEN ACT 2616

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

ACMA website: www.acma.gov.au

Advisory Notes applying to licence no.: 10937390/4

Conditions applicable to the operation of PMTS Class B station(s) authorised under this licence can be found in the Radiocommunications Licence Conditions (Apparatus Licence) Determination and the Radiocommunications Licence Conditions (PTS Licence) Determination. Copies of these determinations are available from the ACMA and from the ACMA home page (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	10033368
Site address	Cadia Main Portal, 1460 Cadia Road, Panuara NSW
Co-ordinates (GDA94)	Latitude: -33.472 Longitude: 148.98896

Transmitter details

Assigned frequency	2.12000000 GHz
Bandwidth	20.000000 MHz
Freq. assign. ID	0003987599
Transmitter power	0 mW
EIRP	0 mW
Emission designator	20M0D7W

Antenna details

Antenna ID	80219
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	2
Antenna type	Radiax (Leaky feeder)-Z

Receiver details

Assigned frequency	1.93000000 GHz
Bandwidth	20.000000 MHz
Freq. assign. ID	0003987600
Transmitter power	N/A
EIRP	N/A
Emission designator	20M0D7W

Antenna details

Antenna ID	80219
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	2
Antenna type	Radiax (Leaky feeder)-Z

Advisory Notes applying to Station 1

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

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

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

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

Special Conditions applying to Station 1

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.

Sections 5 and 7 of the Radiocommunications Licence Conditions (PTS Licence) Determination do not apply to a station because of a condition specified in this licence, if the station:

- a) operates underground;
- b) has a radiated maximum power less than or equal to 10 microWatts/occupied bandwidth above ground;
- c) uses the receive or transmit frequencies and the emission designator specified for the spectrum access; and
- d) operates in a manner where no interference shall be caused to any radiocommunication station or service and no protection from interference by such stations or services shall be afforded.

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 2:

Site details

Site ID	10028615
Site address	Moly Plant Cadia Mine, 1650 Cadia Road, CADIA NSW
Co-ordinates (GDA94)	Latitude: -33.487653 Longitude: 149.022405

Transmitter details

Assigned frequency	2.12500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0003706482
Transmitter power	100.00 W
EIRP	5.50 kW
Emission designator	10M0D7W

Antenna details

Antenna ID	94489
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	40
Antenna type	Panel (Single-Sector)

Receiver details

Assigned frequency	1.93500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0003706483
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0D7W

Antenna details

Antenna ID	94489
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	40
Antenna type	Panel (Single-Sector)

Advisory Notes applying to Station 2

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

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

Sections 5 and 7 of the Radiocommunications Licence Conditions (PTS Licence) Determination do not apply to a station that:

- a) is capable of being moved between places;
- b) operates from a fixed point within a 5 kilometre radius of the location specified for this spectrum access; and
- c) uses the receive or transmit frequencies and the emission designator specified for the spectrum access.

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.

If sections 5 and 7 of the Radiocommunications Licence Conditions (PTS Licence) Determination do not apply to a station because of a condition specified in this licence, the station must be operated:

- a) in a manner that does not cause harmful interference to licensed radiocommunications devices; and
- b) on the basis that the licensee cannot claim protection from harmful interference from licensed radiocommunications devices.

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	10029851
Site address	Cadia 40m tower, 1460 Cadia Rd, Panuara NSW
Co-ordinates (GDA94)	Latitude: -33.4558 Longitude: 148.98585

Transmitter details

Assigned frequency	2.12500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0003659146
Transmitter power	100.00 W
EIRP	5.50 kW
Emission designator	10M0D7W

Antenna details

Antenna ID	94489
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	40
Antenna type	Panel (Single-Sector)

Receiver details

Assigned frequency	1.93500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0003659147
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0D7W

Antenna details

Antenna ID	94489
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	40
Antenna type	Panel (Single-Sector)

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

Sections 5 and 7 of the Radiocommunications Licence Conditions (PTS Licence) Determination do not apply to a station that:

- a) is capable of being moved between places;
- b) operates from a fixed point within a 5 kilometre radius of the location specified for this spectrum access; and
- c) uses the receive or transmit frequencies and the emission designator specified for the spectrum access.

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 4:

Site details

Site ID	203598
Site address	Oakey Comms Hut Cadia Minesite, CADIA NSW 2797
Co-ordinates (GDA94)	Latitude: -33.521642 Longitude: 148.982573

Transmitter details

Assigned frequency	2.12500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0003659148
Transmitter power	100.00 W
EIRP	5.50 kW
Emission designator	10M0D7W

Antenna details

Antenna ID	94489
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	15
Antenna type	Panel (Single-Sector)

Receiver details

Assigned frequency	1.93500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0003659149
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0D7W

Antenna details

Antenna ID	94489
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	15
Antenna type	Panel (Single-Sector)

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

Sections 5 and 7 of the Radiocommunications Licence Conditions (PTS Licence) Determination do not apply to a station that:

- a) is capable of being moved between places;
- b) operates from a fixed point within a 5 kilometre radius of the location specified for this spectrum access; and
- c) uses the receive or transmit frequencies and the emission designator specified for the spectrum access.

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 5:

Site details

Site ID	10028616
Site address	Cody's Mount, 445 Panuara Road, PANUARA NSW
Co-ordinates (GDA94)	Latitude: -33.507236 Longitude: 148.97012

Transmitter details

Assigned frequency	2.12500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0003659150
Transmitter power	100.00 W
EIRP	5.50 kW
Emission designator	10M0D7W

Antenna details

Antenna ID	94489
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	60
Antenna type	Panel (Single-Sector)

Receiver details

Assigned frequency	1.93500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0003659151
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0D7W

Antenna details

Antenna ID	94489
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	60
Antenna type	Panel (Single-Sector)

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

Sections 5 and 7 of the Radiocommunications Licence Conditions (PTS Licence) Determination do not apply to a station that:

- a) is capable of being moved between places;
- b) operates from a fixed point within a 5 kilometre radius of the location specified for this spectrum access; and
- c) uses the receive or transmit frequencies and the emission designator specified for the spectrum access.

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	9008502
Site address	Control Room, Ridgway Mine, Cadia Road, ORANGE NSW 2800
Co-ordinates (GDA94)	Latitude: -33.444258 Longitude: 149.000882

Transmitter details

Assigned frequency	2.12500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0002794718
Transmitter power	46.00 W
EIRP	2.69 kW
Emission designator	10M0D7W

Antenna details

Antenna ID	93159
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)

Receiver details

Assigned frequency	1.93500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0002794719
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0D7W

Antenna details

Antenna ID	93159
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)

Advisory Notes applying to Station 6

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

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.