Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



Licensee details	
Customer ID	20021476
Licensee	CSE CROSSCOM PTY LTD
Trading name	CSE CROSSCOM PTY LTD
Licensee address	664 Lorimer Street, PORT MELBOURNE, VIC 3207

Licence details	
Licence service	Land Mobile
Licence subservice	Land Mobile System - > 30MHz
Licence number	11270269/1
Date of issue	07/06/2023
Date of effect	07/06/2023
Date of expiry	10/06/2024

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

Certain information contained in this licence record will be disclosed in the Register of Radiocommunications Licences (RRL), established and maintained pursuant to Part 3.5 of the *Radiocommunications Act 1992*.

Advisory Notes applying to licence no.: 11270269/1

Conditions applicable to the operation of Land Mobile System station(s) authorised under this licence can be found in the Radiocommunications Licence Conditions (Apparatus Licence) Determination and the Radiocommunications Licence Conditions (Land Mobile 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

Transmitter details

Station 1:

Site details				
Site ID	10016461			
Site address	691 Collins Street, DOCKLANDS VIC			
Co-ordinates (GDA94)	Latitude: -37.820162	Longitude:	144.952584	

Assigned frequency 412.012500 MHz Bandwidth 12.5000 kHz Freq. assign. ID 0003197918 Transmitter power 1.00 W EIRP 1.66 W Emission designator 12K5F2D Antenna details Antenna ID Antenna ID 60010 Antenna polarisation V - Vertical linear Antenna keight (m) 10 Antenna type Dipole-D Receiver details Assigned frequency 412.012500 MHz Bandwidth 12.5000 kHz Freq. assign. ID 0003197919 Transmitter power N/A EIRP N/A Emission designator 12K5F2D Antenna details Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 10 Antenna height (m) 10 Antenna height (m) 10 Antenna type Dipole-D	Transmitter details	
Freq. assign. ID 0003197918 Transmitter power 1.00 W EIRP 1.66 W Emission designator 12K5F2D Antenna details Antenna ID 60010 Antenna azimuth V - Vertical linear Antenna height (m) 10 Antenna type Dipole-D Receiver details Assigned frequency 412.012500 MHz Bandwidth 12.5000 kHz Freq. assign. ID 0003197919 Transmitter power N/A EIRP N/A Emission designator 12K5F2D Antenna details Antenna polarisation V - Vertical linear Antenna azimuth Antenna azimuth Antenna height (m) 10	Assigned frequency	412.012500 MHz
Transmitter power 1.00 W EIRP 1.66 W Emission designator 12K5F2D Antenna details Antenna ID 60010 Antenna polarisation V - Vertical linear Antenna azimuth Intenna height (m) Antenna type Dipole-D Receiver details Assigned frequency 412.012500 MHz Bandwidth 12.5000 kHz Freq. assign. ID 0003197919 Transmitter power N/A EIRP N/A Emission designator 12K5F2D Antenna details Antenna polarisation V - Vertical linear Antenna azimuth Intenna loght (m) Antenna height (m) 10	Bandwidth	12.5000 kHz
EIRP 1.66 W Emission designator 12K5F2D Antenna details Antenna ID 60010 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) Antenna type Dipole-D Receiver details Assigned frequency 412.012500 MHz Bandwidth 12.5000 kHz Freq. assign. ID 0003197919 Transmitter power N/A EIRP N/A Emission designator 12K5F2D Antenna details Antenna polarisation V - Vertical linear Antenna azimuth Antenna azimuth Antenna height (m) 10	Freq. assign. ID	0003197918
Emission designator 12K5F2D Antenna details Antenna ID 60010 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 10 Antenna type Dipole-D Receiver details Assigned frequency 412.012500 MHz Bandwidth 12.5000 kHz Freq. assign. ID 0003197919 Transmitter power N/A EIRP N/A Emission designator 12K5F2D Antenna details Antenna ID 60010 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 10	Transmitter power	1.00 W
Antenna ID 60010 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 10 Antenna type Dipole-D Receiver details Assigned frequency 412.012500 MHz Bandwidth 12.5000 kHz Freq. assign. ID 0003197919 Transmitter power N/A EIRP N/A Emission designator 12K5F2D Antenna details Antenna ID 60010 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 10	EIRP	1.66 W
Antenna ID 60010 Antenna azimuth Antenna height (m) 10 Antenna type Dipole-D Receiver details Assigned frequency 412.012500 MHz Bandwidth 12.5000 kHz Freq. assign. ID 0003197919 Transmitter power N/A EIRP N/A Emission designator 12K5F2D Antenna details Antenna ID 60010 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 10	Emission designator	12K5F2D
Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 10 Antenna type Dipole-D Receiver details Assigned frequency 412.012500 MHz Bandwidth 12.5000 kHz Freq. assign. ID 0003197919 Transmitter power N/A EIRP N/A Emission designator 12K5F2D Antenna details Antenna ID 60010 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 10	Antenna details	
Antenna azimuth Antenna height (m) Antenna type Dipole-D Receiver details Assigned frequency Bandwidth 12.5000 kHz Freq. assign. ID 0003197919 Transmitter power N/A EIRP N/A Emission designator 12K5F2D Antenna details Antenna ID 60010 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 10	Antenna ID	60010
Antenna height (m) Antenna type Dipole-D Receiver details Assigned frequency 412.012500 MHz Bandwidth 12.5000 kHz Freq. assign. ID 0003197919 Transmitter power N/A EIRP N/A Emission designator 12K5F2D Antenna details Antenna ID 60010 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 10	Antenna polarisation	V - Vertical linear
Antenna type Dipole-D Receiver details Assigned frequency 412.012500 MHz Bandwidth 12.5000 kHz Freq. assign. ID 0003197919 Transmitter power N/A EIRP N/A Emission designator 12K5F2D Antenna details Antenna ID 60010 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 10	Antenna azimuth	
Receiver details Assigned frequency 412.012500 MHz Bandwidth 12.5000 kHz Freq. assign. ID 0003197919 Transmitter power N/A EIRP N/A Emission designator 12K5F2D Antenna details Antenna ID 60010 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 10	Antenna height (m)	10
Assigned frequency 412.012500 MHz Bandwidth 12.5000 kHz Freq. assign. ID 0003197919 Transmitter power N/A EIRP N/A Emission designator 12K5F2D Antenna details Antenna ID 60010 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 10	Antenna type	Dipole-D
Bandwidth 12.5000 kHz Freq. assign. ID 0003197919 Transmitter power N/A EIRP N/A Emission designator 12K5F2D Antenna details Antenna ID 60010 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 10	Receiver details	
Freq. assign. ID 0003197919 Transmitter power N/A EIRP N/A Emission designator 12K5F2D Antenna details Antenna ID 60010 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 10	Assigned frequency	412.012500 MHz
Transmitter power N/A EIRP N/A Emission designator 12K5F2D Antenna details Antenna ID 60010 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 10	Bandwidth	12.5000 kHz
EIRP N/A Emission designator 12K5F2D Antenna details Antenna ID 60010 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 10	Freq. assign. ID	0003197919
Emission designator Antenna details Antenna ID 60010 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 10	Transmitter power	N/A
Antenna details Antenna ID 60010 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 10	EIRP	N/A
Antenna ID 60010 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 10	Emission designator	12K5F2D
Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 10	Antenna details	
Antenna azimuth Antenna height (m) 10	Antenna ID	60010
Antenna height (m) 10	Antenna polarisation	V - Vertical linear
	Antenna azimuth	
Antenna type Dipole-D	Antenna height (m)	10
<u> </u>	Antenna type	Dipole-D

Special Conditions applying to Station 1

The level of power in the adjacent channel must not exceed -16dBm.

When the transmitter is coupled to an antenna the level of all discrete spurious components caused by the transmitter & measured at the connection to the antenna must not exceed -30 DBM. Broadband noise floor of the transmitter measured at the same point must not exceed -47 DBM in a 16 kHz bandwidth for frequency offsets greater than 300 kHz from the transmit frequency.