Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority

Licensee details

Customer ID	525851
Licensee	NEW SOUTH WALES GOVERNMENT TELECOMMUNICATIONS AUTHORITY
Trading name	Telco Authority (PSN)
Licensee address	Locked Bag 2, HAYMARKET, NSW 1240

Licence details

Licence service	Land Mobile
Licence subservice	Land Mobile System - > 30MHz
Licence number	1215146/1
Callsign	VH2RAH
Date of issue	27/11/2023
Date of effect	27/11/2023
Date of expiry	30/06/2024

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.: 1215146/1

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 — Station 1:

Site details	
Site ID	200837
Site address	Town Hall Railway Station (Underground), George St, SYDNEY NSW 2000
Co-ordinates (GDA94)	Latitude: -33.87373306 Longitude: 151.20675694

Transmitter details	
Assigned frequency	416.137500 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0000681175
Transmitter power	50.00 W
EIRP	8.30 W
Emission designator	10K1F3E
Antenna details	
Antenna ID	77
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Radiax (Leaky feeder)-Z

Receiver details	
Assigned frequency	406.687500 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0000681178
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F3E
Antenna details	
Antenna ID	77
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Radiax (Leaky feeder)-Z

Special Conditions applying to Station 1

The level of all discreet spurious components, measured at the output of the transmitter, must not exceed -30dBm.

This licence authorises the operation of a supplementary station to be used in conjunction with the main transmitter solely to improve reliability within the service area of the main transmitter.

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

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.

Supplementary Station Site — Station 2:

Site details	
Site ID	3764
Site address	Edgecliff Railway Station (Underground), EDGECLIFF NSW 2027
Co-ordinates (GDA94)	Latitude: -33.87940446 Longitude: 151.23595241

Transmitter details	
Assigned frequency	416.137500 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0000681166
Transmitter power	50.00 W
EIRP	8.30 W
Emission designator	10K1F3E
Antenna details	
Antenna ID	77
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Radiax (Leaky feeder)-Z

Receiver details	
Assigned frequency	406.687500 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0000681168
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F3E
Antenna details	
Antenna ID	77
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Radiax (Leaky feeder)-Z

Special Conditions applying to Station 2

The level of all discreet spurious components, measured at the output of the transmitter, must not exceed -30dBm.

This licence authorises the operation of a supplementary station to be used in conjunction with the main transmitter solely to improve reliability within the service area of the main transmitter.

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

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.

Supplementary Station Site — Station 3:

Site details	
Site ID	40150
Site address	North Sydney Railway Station (Underground) & Tunnel, NORTH SYDNEY NSW 2060
Co-ordinates (GDA94)	Latitude: -33.84115111 Longitude: 151.20701194

Transmitter details	
Assigned frequency	416.137500 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0000681169
Transmitter power	50.00 W
EIRP	8.30 W
Emission designator	10K1F3E
Antenna details	
Antenna ID	77
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Radiax (Leaky feeder)-Z

Receiver details	
Assigned frequency	406.687500 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0000681170
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F3E
Antenna details	
Antenna ID	77
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Radiax (Leaky feeder)-Z

Special Conditions applying to Station 3

The level of all discreet spurious components, measured at the output of the transmitter, must not exceed -30dBm.

This licence authorises the operation of a supplementary station to be used in conjunction with the main transmitter solely to improve reliability within the service area of the main transmitter.

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

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.

Supplementary Station Site — Station 4:

Site details	
Site ID	200838
Site address	St James Railway Station (Underground), Elizabeth St, SYDNEY NSW 2000
Co-ordinates (GDA94)	Latitude: -33.87045889 Longitude: 151.21187694

Transmitter details	
Assigned frequency	416.137500 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0000681171
Transmitter power	50.00 W
EIRP	8.30 W
Emission designator	10K1F3E
Antenna details	
Antenna ID	77
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Radiax (Leaky feeder)-Z

Receiver details	
Assigned frequency	406.687500 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0000681172
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F3E
Antenna details	
Antenna ID	77
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Radiax (Leaky feeder)-Z

Special Conditions applying to Station 4

The level of all discreet spurious components, measured at the output of the transmitter, must not exceed -30dBm.

This licence authorises the operation of a supplementary station to be used in conjunction with the main transmitter solely to improve reliability within the service area of the main transmitter.

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

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.

Supplementary Station Site **Station 5:**

Site details	
Site ID	203147
Site address	Motorway Control Centre March St, ARNCLIFFE NSW 2205
Co-ordinates (GDA94)	Latitude: -33.93725031 Longitude: 151.15232207

Transmitter details	
Assigned frequency	416.137500 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0000681173
Transmitter power	50.00 W
EIRP	8.30 W
Emission designator	10K1F3E
Antenna details	
Antenna ID	77
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Radiax (Leaky feeder)-Z

Receiver details	
Assigned frequency	406.687500 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0000681174
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F3E
Antenna details	
Antenna ID	77
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Radiax (Leaky feeder)-Z

Special Conditions applying to Station 5

The level of all discreet spurious components, measured at the output of the transmitter, must not exceed -30dBm.

This licence authorises the operation of a supplementary station to be used in conjunction with the main transmitter solely to improve reliability within the service area of the main transmitter.

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