

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	10426057/7
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

Advisory Notes applying to licence no.: 10426057/7

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	3332
Site address	Governor Phillip Tower, 1 Farrer Place, SYDNEY NSW 2000
Co-ordinates (GDA94)	Latitude: -33.86429172 Longitude: 151.21154169

Transmitter details

Assigned frequency	416.300000 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0002114131
Transmitter power	50.00 W
EIRP	83.00 W
Emission designator	10K1F9W

Antenna details

Antenna ID	70409
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	100
Antenna type	Dipole-D

Receiver details

Assigned frequency	406.850000 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0002114132
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F9W

Antenna details

Antenna ID	70409
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	100
Antenna type	Dipole-D

Special Conditions applying to Station 1

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.

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	3718
Site address	Bondi Junction Plaza 500 Oxford Street, BONDI JUNCTION NSW 2022
Co-ordinates (GDA94)	Latitude: -33.89218528 Longitude: 151.25007036

Transmitter details

Assigned frequency	416.300000 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0002114133
Transmitter power	8.30 W
EIRP	8.30 W
Emission designator	10K1F9W

Antenna details

Antenna ID	80881
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Receiver details

Assigned frequency	406.850000 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0002114134
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F9W

Antenna details

Antenna ID	80881
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 2

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.

Technical characteristics

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Supplementary Station Site

Station 3:

Site details

Site ID	203031
Site address	Sydney Harbour Tunnel Radio Re-Broadcast Room, KIRRIBILLI NSW 2061
Co-ordinates (GDA94)	Latitude: -33.85432171 Longitude: 151.21301451

Transmitter details

Assigned frequency	416.300000 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0002114135
Transmitter power	8.30 W
EIRP	8.30 W
Emission designator	10K1F9W

Antenna details

Antenna ID	80219
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Radiax (Leaky feeder)-Z

Receiver details

Assigned frequency	406.850000 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0002114136
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F9W

Antenna details

Antenna ID	80219
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Radiax (Leaky feeder)-Z

Special Conditions applying to Station 3

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.

Technical characteristics

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Supplementary Station Site

Station 4:

Site details

Site ID	9000798
Site address	Security Office Centrepont, 100 Market St, SYDNEY NSW 2000
Co-ordinates (GDA94)	Latitude: -33.87053474 Longitude: 151.20862286

Transmitter details

Assigned frequency	416.300000 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0002114137
Transmitter power	8.30 W
EIRP	8.30 W
Emission designator	10K1F9W

Antenna details

Antenna ID	80881
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Receiver details

Assigned frequency	406.850000 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0002114138
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F9W

Antenna details

Antenna ID	80881
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 4

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.

Technical characteristics

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Supplementary Station Site

Station 5:

Site details

Site ID	203482
Site address	Vodafone/Telstra Site Underground Chamber in Martin Place near, cnr Pitt St, SYDNEY NSW 2000
Co-ordinates (GDA94)	Latitude: -33.86796374 Longitude: 151.20862281

Transmitter details

Assigned frequency	416.300000 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0002122516
Transmitter power	8.30 W
EIRP	8.30 W
Emission designator	10K1F9W

Antenna details

Antenna ID	80881
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Receiver details

Assigned frequency	406.850000 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0002122517
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F9W

Antenna details

Antenna ID	80881
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 5

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.

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 6:

Site details

Site ID	10012086
Site address	The Sutherland Hospital, Kingsway, Caringbah NSW
Co-ordinates (GDA94)	Latitude: -34.0369 Longitude: 151.11432306

Transmitter details

Assigned frequency	416.300000 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0002240782
Transmitter power	8.30 W
EIRP	8.30 W
Emission designator	10K1F9W

Antenna details

Antenna ID	80219
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Radiax (Leaky feeder)-Z

Receiver details

Assigned frequency	406.850000 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0002240783
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F9W

Antenna details

Antenna ID	80219
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Radiax (Leaky feeder)-Z

Special Conditions applying to Station 6

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

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 7:

Site details

Site ID	10002914
Site address	Kogarah Ambulance Sites, 5 Rocky Point Road, Kogarah NSW
Co-ordinates (GDA94)	Latitude: -33.97016 Longitude: 151.13602806

Transmitter details

Assigned frequency	416.300000 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0002240784
Transmitter power	8.30 W
EIRP	8.30 W
Emission designator	10K1F9W

Antenna details

Antenna ID	80219
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Radiax (Leaky feeder)-Z

Receiver details

Assigned frequency	406.850000 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0002240785
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F9W

Antenna details

Antenna ID	80219
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Radiax (Leaky feeder)-Z

Special Conditions applying to Station 7

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

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

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 8:

Site details

Site ID	10004713
Site address	151 Clarence St, SYDNEY NSW
Co-ordinates (GDA94)	Latitude: -33.86765889 Longitude: 151.20480611

Transmitter details

Assigned frequency	416.300000 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0002273708
Transmitter power	8.30 W
EIRP	8.30 W
Emission designator	10K1F9W

Antenna details

Antenna ID	80219
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Radiax (Leaky feeder)-Z

Receiver details

Assigned frequency	406.850000 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0002273709
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F9W

Antenna details

Antenna ID	80219
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Radiax (Leaky feeder)-Z

Special Conditions applying to Station 8

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

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

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.

Technical characteristics

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Supplementary Station Site

Station 9:

Site details

Site ID	10014384
Site address	Wynyard Place, 14 Carrington Street, Sydney NSW
Co-ordinates (GDA94)	Latitude: -33.86568806 Longitude: 151.20659194

Transmitter details

Assigned frequency	416.300000 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003070075
Transmitter power	8.30 W
EIRP	8.30 W
Emission designator	10K1F9W

Antenna details

Antenna ID	80881
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Receiver details

Assigned frequency	406.850000 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003070076
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F9W

Antenna details

Antenna ID	80881
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 9

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

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.

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 10:

Site details

Site ID	135549
Site address	Optus Site Aussie Stadium West, Driver Avenue, MOORE PARK NSW 2021
Co-ordinates (GDA94)	Latitude: -33.88922361 Longitude: 151.22456985

Transmitter details

Assigned frequency	416.300000 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003732195
Transmitter power	8.30 W
EIRP	8.30 W
Emission designator	10K1F9W

Antenna details

Antenna ID	80881
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Receiver details

Assigned frequency	406.850000 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003732196
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F9W

Antenna details

Antenna ID	80881
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 10

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.

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

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 11:

Site details

Site ID	10011364
Site address	NSW Fire Service Headquarters, 4 Murray Rose Avenue, Sydney Olympic Park NSW
Co-ordinates (GDA94)	Latitude: -33.84453306 Longitude: 151.07489889

Transmitter details

Assigned frequency	416.300000 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0004011469
Transmitter power	8.30 W
EIRP	8.30 W
Emission designator	10K1F9W

Antenna details

Antenna ID	80881
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Unknown antenna type, size or specifications-

Receiver details

Assigned frequency	406.850000 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0004011470
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F9W

Antenna details

Antenna ID	80881
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 11

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

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