

Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



Licensee details

Customer ID	30588
Licensee	Western Sydney Local Health District
Trading name	HIRPN Networks
Licensee address	Switchboard Westmead Hospital PO Box 533, WENTWORTHVILLE, NSW 2145

Licence details

Licence service	Land Mobile
Licence subservice	Paging System - Exterior
Licence number	45146/1
Callsign	VIN298
Date of issue	21/03/2024
Date of effect	21/03/2024
Date of expiry	31/03/2025

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.: 45146/1

Conditions applicable to the operation of Paging 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).

The condition of operation of the external paging service on 148.1375MHz at Hornsby Hospital at Palmerston Road Hornsby covered by this licence is that the client undertakes full responsibility for rectification of any harmful interference that might be caused by the paging service to an amateur repeater currently operating on 147.85 MHz at Storey Park Old Berowra Road, Hornsby. ,

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	4760		
Site address	Westmead Hospital, Hawkesbury Road, WESTMEAD NSW 2145		
Co-ordinates (GDA94)	Latitude: -33.804145	Longitude:	150.987982

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522783
Transmitter power	100.00 W
EIRP	500.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	1
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 1

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details

Site ID	3353		
Site address	Macquarie St, SYDNEY NSW 2000		
Co-ordinates (GDA94)	Latitude: -33.868478	Longitude:	151.212936

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522777
Transmitter power	25.00 W
EIRP	41.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	1
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 2

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details

Site ID	3410
Site address	E Block Royal Alfred Princes Hospital Missenden Rd, CAMPERDOWN NSW 2050
Co-ordinates (GDA94)	Latitude: -33.889407 Longitude: 151.182765

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522778
Transmitter power	100.00 W
EIRP	166.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	1
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 3

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details

Site ID	3794
Site address	Pares Block Prince of Wales Hos, RANDWICK NSW 2031
Co-ordinates (GDA94)	Latitude: -33.917547 Longitude: 151.23906

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522779
Transmitter power	100.00 W
EIRP	166.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	1
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 4

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details

Site ID	4306
Site address	District Hospital, Darley Rd, MANLY NSW 2095
Co-ordinates (GDA94)	Latitude: -33.80601 Longitude: 151.294171

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522780
Transmitter power	100.00 W
EIRP	166.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	1
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 5

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details

Site ID	4627
Site address	Hospital Rd, CONCORD NSW 2139
Co-ordinates (GDA94)	Latitude: -33.834533 Longitude: 151.095862

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522781
Transmitter power	100.00 W
EIRP	166.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	1
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 6

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details	
Site ID	4720
Site address	Auburn Hospital, Norval St, AUBURN NSW 2144
Co-ordinates (GDA94)	Latitude: -33.860152 Longitude: 151.033361

Transmitter details	
Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522782
Transmitter power	100.00 W
EIRP	166.00 W
Emission designator	16K0F2D

Antenna details	
Antenna ID	1
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 7

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details

Site ID	5121
Site address	Liverpool Hospital Site, LIVERPOOL NSW 2170
Co-ordinates (GDA94)	Latitude: -33.919982 Longitude: 150.931724

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522784
Transmitter power	100.00 W
EIRP	166.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	1
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 8

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details

Site ID	5173
Site address	Fairfield Hospital, Prairie Vale Rd, PRAIRIEWOOD NSW 2176
Co-ordinates (GDA94)	Latitude: -33.859642 Longitude: 150.903998

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522785
Transmitter power	25.00 W
EIRP	41.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	1
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 9

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details

Site ID	5272
Site address	Hospital, BANKSTOWN NSW 2200
Co-ordinates (GDA94)	Latitude: -33.932092 Longitude: 151.021107

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522786
Transmitter power	100.00 W
EIRP	166.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	1
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 10

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details

Site ID	5360
Site address	91-101 Rocky Point Rd, KOGARAH NSW 2217
Co-ordinates (GDA94)	Latitude: -33.974915 Longitude: 151.136085

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522787
Transmitter power	100.00 W
EIRP	166.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	1
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 11

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details

Site ID	10186
Site address	Mount Druitt Hospital, Railway Pde, MOUNT DRUITT NSW 2770
Co-ordinates (GDA94)	Latitude: -33.765832 Longitude: 150.828985

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522788
Transmitter power	100.00 W
EIRP	166.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	1
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 12

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details

Site ID	35271
Site address	Westmead Hospital, WESTMEAD NSW 2145
Co-ordinates (GDA94)	Latitude: -33.803874 Longitude: 150.987988

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522789
Transmitter power	100.00 W
EIRP	500.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	1
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 13

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details

Site ID	35750
Site address	Nepean District Hospital, West Block,, 35-65 Derby Street, KINGSWOOD NSW 2747
Co-ordinates (GDA94)	Latitude: -33.759306 Longitude: 150.712231

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522790
Transmitter power	100.00 W
EIRP	166.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	1
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 14

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details

Site ID	39939
Site address	Roof of plant room, New Childrens Hospital, WESTMEAD NSW 2145
Co-ordinates (GDA94)	Latitude: -33.80137 Longitude: 150.99199

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522791
Transmitter power	100.00 W
EIRP	500.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	1
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 15

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details

Site ID	51659
Site address	Canterbury Hospital, Canterbury Road, CANTERBURY NSW 2194
Co-ordinates (GDA94)	Latitude: -33.919497 Longitude: 151.098506

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522792
Transmitter power	100.00 W
EIRP	166.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	1
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 16

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details	
Site ID	139623
Site address	Royal North Shore Hospital- Kolling Building, Pacific Highway, ST LEONARDS NSW 2065
Co-ordinates (GDA94)	Latitude: -33.820818 Longitude: 151.190495

Transmitter details	
Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522793
Transmitter power	100.00 W
EIRP	166.00 W
Emission designator	16K0F2D
Antenna details	
Antenna ID	1
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 17

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details

Site ID	200472		
Site address	Hawkesbury Hospital, WINDSOR NSW 2756		
Co-ordinates (GDA94)	Latitude: -33.610406	Longitude:	150.820046

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522794
Transmitter power	100.00 W
EIRP	166.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	1
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 18

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details

Site ID	201325
Site address	Macquarie Hospital, Wicks Road, NORTH RYDE NSW 2113
Co-ordinates (GDA94)	Latitude: -33.799447 Longitude: 151.124723

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522795
Transmitter power	100.00 W
EIRP	166.00 W
Emission designator	16K1F2D

Antenna details

Antenna ID	1
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 19

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details

Site ID	204016
Site address	Hornsby Hospital, Palmerston Road, HORNSBY NSW 2077
Co-ordinates (GDA94)	Latitude: -33.701523 Longitude: 151.112019

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522796
Transmitter power	100.00 W
EIRP	166.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	67
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Dipole-D

Special Conditions applying to Station 20

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details

Site ID	204470
Site address	Mona Vale Hospital, Coronation St, MONA VALE NSW 2103
Co-ordinates (GDA94)	Latitude: -33.68537 Longitude: 151.306505

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522797
Transmitter power	100.00 W
EIRP	661.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	70223
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	35
Antenna type	Colinear Vertical-U

Special Conditions applying to Station 21

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details

Site ID	205935
Site address	Admin Bld Blacktown Hospital, Blacktown Rd, BLACKTOWN NSW 2148
Co-ordinates (GDA94)	Latitude: -33.776484 Longitude: 150.917494

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522798
Transmitter power	100.00 W
EIRP	166.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	1
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 22

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details

Site ID	9008673
Site address	Telstra - Campbelltown Hospital, Therry Rd, CAMPBELLTOWN NSW 2560
Co-ordinates (GDA94)	Latitude: -34.07787 Longitude: 150.806357

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522799
Transmitter power	100.00 W
EIRP	166.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	1
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 23

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details

Site ID	9022155
Site address	Level 0 NCCC Bldg, SW cnr High & Avoca Streets, RANDWICK NSW 2031
Co-ordinates (GDA94)	Latitude: -33.917401 Longitude: 151.241389

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522800
Transmitter power	100.00 W
EIRP	166.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	60010
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Dipole-D

Special Conditions applying to Station 24

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.

Site details

Site ID	9022156
Site address	Level 02 Acute Services Bldg, Reserve Road, ST LEONARDS NSW 2065
Co-ordinates (GDA94)	Latitude: -33.820997 Longitude: 151.191021

Transmitter details

Assigned frequency	148.137500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000522801
Transmitter power	100.00 W
EIRP	166.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	60010
Antenna polarization	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Dipole-D

Special Conditions applying to Station 25

An efficient cavity filter must be fitted between the transmitter and the antenna.

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 -22dBm.

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.