

Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



Licensee details

| | |
|------------------|--|
| Customer ID | 1315913 |
| Licensee | DEPARTMENT OF JUSTICE AND COMMUNITY SAFETY |
| Trading name | ESTA Emergency Services Telecommunications Authority |
| Licensee address | c/-10 Wesley Court - Motorola MMR Project, Tally Ho Bus Pk, EAST BURWOOD, VIC 3151 |

Licence details

| | |
|--------------------|------------------------------|
| Licence service | Land Mobile |
| Licence subservice | Land Mobile System - > 30MHz |
| Licence number | 1911706/3 |
| Callsign | VNV878 |
| Date of issue | 10/11/2023 |
| Date of effect | 10/11/2023 |
| Date of expiry | 01/12/2024 |

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.: 1911706/3

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 | 11596 |
| Site address | 120 Collins Street, MELBOURNE VIC 3000 |
| Co-ordinates (GDA94) | Latitude: -37.813822 Longitude: 144.969482 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899609 |
| Transmitter power | 50.00 W |
| EIRP | 83.00 W |
| Emission designator | 10K1D7W |

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 | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899608 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

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 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.

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 | 303186 |
| Site address | Target BLDG, Fountain Gate Shopping Link Rd, NARRE WARREN VIC 3805 |
| Co-ordinates (GDA94) | Latitude: -38.018153 Longitude: 145.304452 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899601 |
| Transmitter power | 5.00 W |
| EIRP | 8.40 W |
| Emission designator | 10K1D7W |

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 | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899602 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

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 2

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.

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 | 303454 |
| Site address | Near Road Bridge Southland 1239 Nepean Hwy, CHELTENHAM VIC 3192 |
| Co-ordinates (GDA94) | Latitude: -37.958118 Longitude: 145.05321 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899603 |
| Transmitter power | 5.00 W |
| EIRP | 8.40 W |
| Emission designator | 10K1D7W |

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 | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899604 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

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 3

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.

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 | 304093 |
| Site address | Telstra Site City Link tunnels, near Dodds St, SOUTH MELBOURNE VIC 3002 |
| Co-ordinates (GDA94) | Latitude: -37.827309 Longitude: 144.986098 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899605 |
| Transmitter power | 5.00 W |
| EIRP | 8.40 W |
| Emission designator | 10K1D7W |

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 | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899606 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

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 4

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.

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 | 11599 |
| Site address | Rialto Towers, 525 Collins Street, MELBOURNE VIC 3000 |
| Co-ordinates (GDA94) | Latitude: -37.81852 Longitude: 144.957141 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899565 |
| Transmitter power | 25.00 W |
| EIRP | 41.00 W |
| Emission designator | 10K1D7W |

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 | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899566 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

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 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.

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 | 11633 |
| Site address | MMR site boiler house Austin Hospital, 145 Studley Rd, HEIDELBERG VIC 3084 |
| Co-ordinates (GDA94) | Latitude: -37.756838 Longitude: 145.056901 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899567 |
| Transmitter power | 5.00 W |
| EIRP | 8.40 W |
| Emission designator | 10K1D7W |

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 | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899568 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

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 6

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.

Technical characteristics

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Supplementary Station Site

Station 7:

Site details

| | |
|----------------------|--|
| Site ID | 12013 |
| Site address | TXA Ornata Road Site Tower, 12 Ornata Road, MOUNT DANDENONG VIC 3767 |
| Co-ordinates (GDA94) | Latitude: -37.837476 Longitude: 145.34661 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899569 |
| Transmitter power | 25.00 W |
| EIRP | 41.00 W |
| Emission designator | 10K1D7W |

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 | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899570 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

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 7

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.

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 | 12016 |
| Site address | Telstra Site, Dunns Hill, FERNY CREEK VIC 3786 |
| Co-ordinates (GDA94) | Latitude: -37.87921 Longitude: 145.33423 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899571 |
| Transmitter power | 25.00 W |
| EIRP | 41.00 W |
| Emission designator | 10K1D7W |

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 | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899572 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

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 8

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.

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 9:

Site details

| | |
|----------------------|---|
| Site ID | 41628 |
| Site address | Knox City Shopping Centre, Cnr Stud Rd and Burwood Hwy, WANTIRNA SOUTH VIC 3152 |
| Co-ordinates (GDA94) | Latitude: -37.868395 Longitude: 145.238374 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899573 |
| Transmitter power | 5.00 W |
| EIRP | 8.40 W |
| Emission designator | 10K1D7W |

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 | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899574 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

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 9

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.

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 | 42652 |
| Site address | Monash Medical Centre, 246 Clayton Rd, CLAYTON VIC 3168 |
| Co-ordinates (GDA94) | Latitude: -37.920596 Longitude: 145.123253 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899575 |
| Transmitter power | 5.00 W |
| EIRP | 8.40 W |
| Emission designator | 10K1D7W |

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 | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899576 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

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 10

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.

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 | 43054 |
| Site address | Myer Northland 2-50 Murray Rd, PRESTON VIC 3072 |
| Co-ordinates (GDA94) | Latitude: -37.739013 Longitude: 145.029914 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899577 |
| Transmitter power | 5.00 W |
| EIRP | 8.40 W |
| Emission designator | 10K1D7W |

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 | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899578 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

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 11

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.

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 12:

Site details

| | |
|----------------------|--|
| Site ID | 47316 |
| Site address | Parliament Underground Station, MELBOURNE VIC 3000 |
| Co-ordinates (GDA94) | Latitude: -37.811313 Longitude: 144.972958 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899579 |
| Transmitter power | 5.00 W |
| EIRP | 8.40 W |
| Emission designator | 10K1D7W |

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 | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899580 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

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 12

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 13:

Site details

| | |
|----------------------|---|
| Site ID | 47317 |
| Site address | Flagstaff Underground Station, MELBOURNE VIC 3003 |
| Co-ordinates (GDA94) | Latitude: -37.81213 Longitude: 144.955046 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899581 |
| Transmitter power | 5.00 W |
| EIRP | 8.40 W |
| Emission designator | 10K1D7W |

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 | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899582 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

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 13

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.

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 14:

Site details

| | |
|----------------------|---|
| Site ID | 48849 |
| Site address | Various Site Highpoint Shopping Centre, Rosamond Road, MARIBYRNONG VIC 3032 |
| Co-ordinates (GDA94) | Latitude: -37.773798 Longitude: 144.889345 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899583 |
| Transmitter power | 5.00 W |
| EIRP | 8.40 W |
| Emission designator | 10K1D7W |

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 | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899584 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

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 14

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.

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 15:

Site details

| | |
|----------------------|---|
| Site ID | 50368 |
| Site address | Hospital, Gordon Street, FOOTSCRAY VIC 3011 |
| Co-ordinates (GDA94) | Latitude: -37.792354 Longitude: 144.886432 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899585 |
| Transmitter power | 5.00 W |
| EIRP | 8.40 W |
| Emission designator | 10K1D7W |

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 | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899586 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

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 15

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.

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 16:

Site details

| | |
|----------------------|---|
| Site ID | 51389 |
| Site address | Karingal Hub Shopping Centre, 330 Cranbourne Rd, FRANKSTON VIC 3199 |
| Co-ordinates (GDA94) | Latitude: -38.153997 Longitude: 145.163048 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899587 |
| Transmitter power | 5.00 W |
| EIRP | 8.40 W |
| Emission designator | 10K1D7W |

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 | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899588 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

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 16

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.

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 17:

Site details

| | |
|----------------------|---|
| Site ID | 51716 |
| Site address | Centre Block Alfred Hospital, Commercial Road, PRAHRAN VIC 3181 |
| Co-ordinates (GDA94) | Latitude: -37.846263 Longitude: 144.982514 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899589 |
| Transmitter power | 5.00 W |
| EIRP | 8.40 W |
| Emission designator | 10K1D7W |

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 | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899590 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

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 17

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.

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 18:

Site details

| | |
|----------------------|---|
| Site ID | 52708 |
| Site address | Eastland Shopping Centre 171-175 Maroondah Hwy, RINGWOOD VIC 3134 |
| Co-ordinates (GDA94) | Latitude: -37.812964 Longitude: 145.228957 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899591 |
| Transmitter power | 5.00 W |
| EIRP | 8.40 W |
| Emission designator | 10K1D7W |

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 | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899592 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

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 18

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 19:

Site details

| | |
|----------------------|--|
| Site ID | 100126 |
| Site address | Crown Casino Site, SOUTHBANK VIC 3205 |
| Co-ordinates (GDA94) | Latitude: -37.822797 Longitude: 144.959523 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899593 |
| Transmitter power | 5.00 W |
| EIRP | 8.40 W |
| Emission designator | 10K1D7W |

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 | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899594 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

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 19

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.

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 20:

Site details

| | |
|----------------------|---|
| Site ID | 300439 |
| Site address | Royal Childrens Hospital, Flemington Road, PARKVILLE VIC 3052 |
| Co-ordinates (GDA94) | Latitude: -37.794655 Longitude: 144.950303 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899595 |
| Transmitter power | 5.00 W |
| EIRP | 8.40 W |
| Emission designator | 10K1D7W |

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 | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899596 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

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 20

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 21:

Site details

| | |
|----------------------|---|
| Site ID | 301559 |
| Site address | Marvel Stadium, Harbour Esplanade, DOCKLANDS VIC 3000 |
| Co-ordinates (GDA94) | Latitude: -37.815459 Longitude: 144.946289 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899597 |
| Transmitter power | 5.00 W |
| EIRP | 8.40 W |
| Emission designator | 10K1D7W |

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 | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899598 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

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 21

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.

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 22:

Site details

| | |
|----------------------|--|
| Site ID | 302012 |
| Site address | Federation Square, Flinders St, MELBOURNE VIC 3004 |
| Co-ordinates (GDA94) | Latitude: -37.817635 Longitude: 144.968526 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899599 |
| Transmitter power | 5.00 W |
| EIRP | 8.40 W |
| Emission designator | 10K1D7W |

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 | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0000899600 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

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 22

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 23:

Site details

| | |
|----------------------|--|
| Site ID | 10002101 |
| Site address | Mernda Police Station, cnr Bridge Inn Road and Pimpinella Pass, MERNDA VIC |
| Co-ordinates (GDA94) | Latitude: -37.6006 Longitude: 145.0924 |

Transmitter details

| | |
|---------------------|----------------|
| Assigned frequency | 421.775000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0002006071 |
| Transmitter power | 100 mW |
| EIRP | 100 mW |
| Emission designator | 10K1D7W |

Antenna details

| | |
|----------------------|---|
| Antenna ID | 80881 |
| Antenna polarisation | V - Vertical linear |
| Antenna azimuth | |
| Antenna height (m) | 6 |
| Antenna type | Unknown antenna type, size or specifications- |

Receiver details

| | |
|---------------------|----------------|
| Assigned frequency | 427.275000 MHz |
| Bandwidth | 12.5000 kHz |
| Freq. assign. ID | 0002006072 |
| Transmitter power | N/A |
| EIRP | N/A |
| Emission designator | 10K1D7W |

Antenna details

| | |
|----------------------|---|
| Antenna ID | 80881 |
| Antenna polarisation | V - Vertical linear |
| Antenna azimuth | |
| Antenna height (m) | 6 |
| Antenna type | Unknown antenna type, size or specifications- |

Special Conditions applying to Station 23

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.