

# Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



## Licensee details

Customer ID	443522
Licensee	Wireless Institute Civil Emergency Network
Trading name	WICEN (Vic) Inc
Licensee address	PO Box 7087, WATTLE PARK, VIC 3128

## Licence details

Licence service	Amateur
Licence subservice	Amateur Repeater
Licence number	436748/2
Callsign	VK3RWR
Date of issue	05/02/2024
Date of effect	05/02/2024
Date of expiry	16/03/2025

## 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](mailto:info@acma.gov.au)

ACMA website: [www.acma.gov.au](http://www.acma.gov.au)

### **Special Conditions applying to licence no.: 436748/2**

No interference shall be caused to any Radiocommunication station or service and no protection from interference by such stations or services shall be afforded.

### **Advisory Notes applying to licence no.: 436748/2**

Conditions applicable to the operation of Amateur Repeater station(s) authorised under this licence can be found in the Radiocommunications Licence Conditions (Apparatus Licence) Determination and the Radiocommunications Licence Conditions (Amateur Licence) Determination. Copies of these determinations are available from the ACMA and from the ACMA home page ([www.acma.gov.au](http://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.

### Station 1:

#### Area wide details:

Area ID	3
Area name	Victoria

#### Transmitter details

Assigned frequency	147.300000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0001998828
Transmitter power	50.00 W
EIRP	83.00 W
Emission designator	16K0F9W

#### Antenna details

Antenna ID	71
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Coaxial Dipole-D

#### Receiver details

Assigned frequency	145.700000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0001998829
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F9W

#### Antenna details

Antenna ID	71
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Coaxial Dipole-D

## 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.

### Station 2:

#### Area wide details:

Area ID	3
Area name	Victoria

#### Transmitter details

Assigned frequency	440.600000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516554
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F3E

#### Antenna details

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

#### Receiver details

Assigned frequency	430.600000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516555
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

#### Antenna details

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

## 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.

### Station 3:

#### Area wide details:

Area ID	3
Area name	Victoria

#### Transmitter details

Assigned frequency	144.700000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516556
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F2D

#### Antenna details

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

#### Receiver details

Assigned frequency	144.700000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516557
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F2D

#### Antenna details

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

## 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.

### Station 4:

#### Area wide details:

Area ID	3
Area name	Victoria

#### Transmitter details

Assigned frequency	144.725000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516558
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F2D

#### Antenna details

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

#### Receiver details

Assigned frequency	144.725000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516559
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F2D

#### Antenna details

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

## 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.

### Station 5:

#### Area wide details:

Area ID	3
Area name	Victoria

#### Transmitter details

Assigned frequency	144.750000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516560
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F2D

#### Antenna details

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

#### Receiver details

Assigned frequency	144.750000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516561
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F2D

#### Antenna details

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

## 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.

### Station 6:

#### Area wide details:

Area ID	3
Area name	Victoria

#### Transmitter details

Assigned frequency	144.775000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516562
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F2D

#### Antenna details

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

#### Receiver details

Assigned frequency	144.775000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516563
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F2D

#### Antenna details

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



## 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.

### Station 7:

#### Area wide details:

Area ID	3
Area name	Victoria

#### Transmitter details

Assigned frequency	144.800000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516564
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F2D

#### Antenna details

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

#### Receiver details

Assigned frequency	144.800000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516565
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F2D

#### Antenna details

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

## 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.

### Station 8:

#### Area wide details:

Area ID	3
Area name	Victoria

#### Transmitter details

Assigned frequency	144.825000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516566
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F2D

#### Antenna details

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

#### Receiver details

Assigned frequency	144.825000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516567
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F2D

#### Antenna details

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

## 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.

### Station 9:

#### Area wide details:

Area ID	3
Area name	Victoria

#### Transmitter details

Assigned frequency	144.850000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516568
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F2D

#### Antenna details

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

#### Receiver details

Assigned frequency	144.850000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516569
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F2D

#### Antenna details

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

## 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.

### Station 10:

#### Area wide details:

Area ID	3
Area name	Victoria

#### Transmitter details

Assigned frequency	144.875000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516570
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F2D

#### Antenna details

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

#### Receiver details

Assigned frequency	144.875000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516571
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F2D

#### Antenna details

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

## 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.

### Station 11:

#### Area wide details:

Area ID	3
Area name	Victoria

#### Transmitter details

Assigned frequency	144.900000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516572
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F2D

#### Antenna details

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

#### Receiver details

Assigned frequency	144.900000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516573
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F2D

#### Antenna details

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

## 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.

### Station 12:

#### Area wide details:

Area ID	3
Area name	Victoria

#### Transmitter details

Assigned frequency	144.925000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516574
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F2D

#### Antenna details

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

#### Receiver details

Assigned frequency	144.925000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516575
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F2D

#### Antenna details

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

## 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.

### Station 13:

#### Area wide details:

Area ID	3
Area name	Victoria

#### Transmitter details

Assigned frequency	147.300000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516576
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F2D

#### Antenna details

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

#### Receiver details

Assigned frequency	147.300000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516577
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F2D

#### Antenna details

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

## 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.

### Station 14:

#### Area wide details:

Area ID	3
Area name	Victoria

#### Transmitter details

Assigned frequency	147.575000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516578
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F2D

#### Antenna details

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

#### Receiver details

Assigned frequency	147.575000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516579
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F2D

#### Antenna details

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



## 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.

### Station 15:

#### Area wide details:

Area ID	3
Area name	Victoria

#### Transmitter details

Assigned frequency	147.600000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516580
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F2D

#### Antenna details

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

#### Receiver details

Assigned frequency	147.600000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516581
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F2D

#### Antenna details

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

## 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.

### Station 16:

#### Area wide details:

Area ID	3
Area name	Victoria

#### Transmitter details

Assigned frequency	146.925000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516582
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F3E

#### Antenna details

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

#### Receiver details

Assigned frequency	146.325000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516583
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

#### Antenna details

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

## 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.

### Station 17:

#### Area wide details:

Area ID	3
Area name	Victoria

#### Transmitter details

Assigned frequency	147.550000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516584
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F2D

#### Antenna details

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

#### Receiver details

Assigned frequency	147.550000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516585
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F2D

#### Antenna details

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

## 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.

### Station 18:

#### Area wide details:

Area ID	3
Area name	Victoria

#### Transmitter details

Assigned frequency	438.625000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516586
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F3E

#### Antenna details

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

#### Receiver details

Assigned frequency	433.625000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516587
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

#### Antenna details

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

## 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.

### Station 19:

#### Area wide details:

Area ID	3
Area name	Victoria

#### Transmitter details

Assigned frequency	438.275000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516588
Transmitter power	20.00 W
EIRP	
Emission designator	16K0F3E

#### Antenna details

Antenna ID	74
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Colinear Vertical-U

#### Receiver details

Assigned frequency	433.275000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516589
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

#### Antenna details

Antenna ID	74
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Colinear Vertical-U

## 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.

### Station 20:

#### Area wide details:

Area ID	3
Area name	Victoria

#### Transmitter details

Assigned frequency	147.300000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516590
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F3E

#### Antenna details

Antenna ID	71
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Coaxial Dipole-D

#### Receiver details

Assigned frequency	147.900000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516591
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

#### Antenna details

Antenna ID	71
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Coaxial Dipole-D