

Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



Licensee details

Customer ID	41497
Licensee	Wagga Amateur Radio Club (Inc)
Licensee address	PO Box 294, WAGGA WAGGA, NSW 2650

Licence details

Licence service	Amateur
Licence subservice	Amateur Repeater
Licence number	95109/1
Callsign	VK2RTW
Date of issue	26/07/2023
Date of effect	26/07/2023
Date of expiry	31/07/2024

Licence conditions

Your licence is subject to conditions set out in the *Radiocommunications Act 1992*. Your licence may also be subject to such other licence conditions as determined by the ACMA (in licence condition determinations) from time to time, and is also subject to special conditions as detailed on this licence.

The conditions that are imposed on a licence vary according to the type of licence issued, the service being operated and the section of the *Radiocommunications Act 1992* under which the licence has been issued. For further information about the conditions that apply to your licence, please contact the ACMA (see contact details below).

Rights of appeal

A decision by the ACMA to impose further conditions or revoke or vary the conditions of your licence may be reviewable. If you are affected by, and dissatisfied with, such a decision you may apply to the ACMA to have the ACMA reconsider the decision under section 288 of the *Radiocommunications Act 1992*.

An application for reconsideration must state the reasons for the request, and should be sent to the Customer Service Centre, Australian Communications and Media Authority, PO Box 78, Belconnen, ACT, 2616. Applications for review of decisions can be made using the R051 - Application for review of Decision form, available on the ACMA website.

Important

An application for the ACMA to reconsider a decision to impose or vary licence conditions must be made to the ACMA within 28 days of the day on which you are informed of the decision. An application for reconsideration made after that time may not be accepted.

ACMA contact details

Customer Service Centre
PO Box 78
BELCONNEN ACT 2616

Telephone: 1300 850 115
Email: info@acma.gov.au

ACMA website: www.acma.gov.au

Advisory Notes applying to licence no.: 95109/1

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).

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	9885
Site address	NSWPF 30m Lattice Tower, Wagga/Willans Hill Captain Cook Dr, TURVEY PARK NSW 2650
Co-ordinates (GDA94)	Latitude: -35.132713 Longitude: 147.372072

Transmitter details	
Assigned frequency	438.025000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000514697
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	433.025000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000514698
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.

Main Station Site

Station 2:

Site details

Site ID	9885		
Site address	NSWPF 30m Lattice Tower, Wagga/Willans Hill Captain Cook Dr, TURVEY PARK NSW 2650		
Co-ordinates (GDA94)	Latitude: -35.132713	Longitude:	147.372072

Transmitter details

Assigned frequency	441.950000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000514699
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-

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 3:

Site details

Site ID	9885		
Site address	NSWPF 30m Lattice Tower, Wagga/Willans Hill Captain Cook Dr, TURVEY PARK NSW 2650		
Co-ordinates (GDA94)	Latitude: -35.132713	Longitude:	147.372072

Receiver details

Assigned frequency	430.100000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000514700
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

Antenna details

Antenna ID	70081
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Parallel array of horizontal dipoles-A

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 4:

Site details

Site ID	9885		
Site address	NSWPF 30m Lattice Tower, Wagga/Willans Hill Captain Cook Dr, TURVEY PARK NSW 2650		
Co-ordinates (GDA94)	Latitude: -35.132713	Longitude:	147.372072

Transmitter details

Assigned frequency	29.640000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000514701
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	440.400000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000514702
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.

Main Station Site

Station 5:

Site details

Site ID	9896		
Site address	Airservices Site, MT FLAKNEY NSW 2650		
Co-ordinates (GDA94)	Latitude: -35.289077	Longitude:	147.430529

Transmitter details

Assigned frequency	440.400000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000514703
Transmitter power	1.00 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-

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 6:

Site details

Site ID	9896
Site address	Airservices Site, MT FLAKNEY NSW 2650
Co-ordinates (GDA94)	Latitude: -35.289077 Longitude: 147.430529

Receiver details

Assigned frequency	29.540000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000514704
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.

Main Station Site

Station 7:

Site details

Site ID	9885		
Site address	NSWPF 30m Lattice Tower, Wagga/Willans Hill Captain Cook Dr, TURVEY PARK NSW 2650		
Co-ordinates (GDA94)	Latitude: -35.132713	Longitude:	147.372072

Receiver details

Assigned frequency	444.250000 MHz
Bandwidth	6.250000 MHz
Freq. assign. ID	0000514705
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-

Special Conditions applying to Station 7

Carrier Frequency : 444.250 MHz

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 8:

Site details

Site ID	9885		
Site address	NSWPF 30m Lattice Tower, Wagga/Willans Hill Captain Cook Dr, TURVEY PARK NSW 2650		
Co-ordinates (GDA94)	Latitude: -35.132713	Longitude:	147.372072

Receiver details

Assigned frequency	449.749600 MHz
Bandwidth	200.0000 kHz
Freq. assign. ID	0000514706
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

Antenna details

Antenna ID	70081
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Parallel array of horizontal dipoles-A

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 9:

Site details	
Site ID	9885
Site address	NSWPF 30m Lattice Tower, Wagga/Willans Hill Captain Cook Dr, TURVEY PARK NSW 2650
Co-ordinates (GDA94)	Latitude: -35.132713 Longitude: 147.372072

Transmitter details	
Assigned frequency	439.800000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000514707
Transmitter power	50.00 W
EIRP	
Emission designator	16K0F3E

Antenna details	
Antenna ID	60005
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Colinear Vertical-U

Receiver details	
Assigned frequency	434.800000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000514708
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

Antenna details	
Antenna ID	60005
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Colinear Vertical-U

Special Conditions applying to Station 9

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

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.

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