

Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



Licensee details

Customer ID	86277
Licensee	Townsville Amateur Radio Club Inc
Licensee address	PO Box 333, GARBUTT EAST, QLD 4814

Licence details

Licence service	Amateur
Licence subservice	Amateur Repeater
Licence number	153062/1
Callsign	VK4RAT
Date of issue	26/05/2023
Date of effect	26/05/2023
Date of expiry	12/06/2024

Licence conditions

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

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

Rights of appeal

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

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

Important

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

ACMA contact details

Customer Service Centre
PO Box 78
BELCONNEN ACT 2616

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

ACMA website: www.acma.gov.au

Special Conditions applying to licence no.: 153062/1

When the transmitter is coupled to an antenna the level of all discrete spurious components caused by the transmitter & measured at the connection to the antenna must not exceed -30 DBM. Broadband noise floor of the transmitter measured at the same point must not exceed -47 DBM in a 16 kHz bandwidth for frequency offsets greater than 300 kHz from the transmit frequency.

The callsign must be encoded into the transmitter.

Advisory Notes applying to licence no.: 153062/1

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	19492		
Site address	Amateur Site, MT STUART QLD 4813		
Co-ordinates (GDA94)	Latitude: -19.343838	Longitude:	146.780685

Receiver details

Assigned frequency	147.350000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515334
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

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	19492
Site address	Amateur Site, MT STUART QLD 4813
Co-ordinates (GDA94)	Latitude: -19.343838 Longitude: 146.780685

Transmitter details

Assigned frequency	146.700000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515335
Transmitter power	50.00 W
EIRP	83.00 W
Emission designator	16K0F3E

Antenna details

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

Receiver details

Assigned frequency	146.100000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515336
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

Antenna details

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

Technical characteristics

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Main Station Site

Station 3:

Site details

Site ID	19492
Site address	Amateur Site, MT STUART QLD 4813
Co-ordinates (GDA94)	Latitude: -19.343838 Longitude: 146.780685

Transmitter details

Assigned frequency	438.225000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515337
Transmitter power	10.00 W
EIRP	
Emission designator	16K0F3E

Antenna details

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

Receiver details

Assigned frequency	433.225000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515338
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

Antenna details

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

Technical characteristics

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Main Station Site

Station 4:

Site details	
Site ID	19492
Site address	Amateur Site, MT STUART QLD 4813
Co-ordinates (GDA94)	Latitude: -19.343838 Longitude: 146.780685

Transmitter details	
Assigned frequency	144.900000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515339
Transmitter power	50.00 W
EIRP	
Emission designator	16K0F2D

Antenna details	
Antenna ID	1
Antenna polarisation	H - Horizontal 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	0000515340
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F2D

Antenna details	
Antenna ID	1
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Technical characteristics

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Main Station Site

Station 5:

Site details

Site ID	19492
Site address	Amateur Site, MT STUART QLD 4813
Co-ordinates (GDA94)	Latitude: -19.343838 Longitude: 146.780685

Transmitter details

Assigned frequency	440.150000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515341
Transmitter power	25.00 W
EIRP	41.00 W
Emission designator	16K0F3E

Antenna details

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

Receiver details

Assigned frequency	430.150000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515342
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

Antenna details

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

Technical characteristics

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Main Station Site

Station 6:

Site details

Site ID	19492
Site address	Amateur Site, MT STUART QLD 4813
Co-ordinates (GDA94)	Latitude: -19.343838 Longitude: 146.780685

Transmitter details

Assigned frequency	444.250000 MHz
Bandwidth	6.250000 MHz
Freq. assign. ID	0000515343
Transmitter power	40.00 W
EIRP	
Emission designator	6M25C3F

Antenna details

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

Technical characteristics

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Main Station Site

Station 7:

Site details

Site ID	19492
Site address	Amateur Site, MT STUART QLD 4813
Co-ordinates (GDA94)	Latitude: -19.343838 Longitude: 146.780685

Transmitter details

Assigned frequency	449.750000 MHz
Bandwidth	130.0000 kHz
Freq. assign. ID	0000515344
Transmitter power	40.00 W
EIRP	
Emission designator	130KF3E

Antenna details

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

Receiver details

Assigned frequency	431.750000 MHz
Bandwidth	750.0000 kHz
Freq. assign. ID	0000515345
Transmitter power	N/A
EIRP	N/A
Emission designator	130KF3E

Antenna details

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

Technical characteristics

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Main Station Site

Station 8:

Site details

Site ID	19492
Site address	Amateur Site, MT STUART QLD 4813
Co-ordinates (GDA94)	Latitude: -19.343838 Longitude: 146.780685

Transmitter details

Assigned frequency	53.950000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515346
Transmitter power	50.00 W
EIRP	
Emission designator	16K0F3E

Antenna details

Antenna ID	20010
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Colinear Vertical-U

Receiver details

Assigned frequency	52.950000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515347
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

Antenna details

Antenna ID	20010
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Colinear Vertical-U

Technical characteristics

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Main Station Site

Station 9:

Site details

Site ID	19492
Site address	Amateur Site, MT STUART QLD 4813
Co-ordinates (GDA94)	Latitude: -19.343838 Longitude: 146.780685

Receiver details

Assigned frequency	1.25000000 GHz
Bandwidth	18.000000 MHz
Freq. assign. ID	0000515348
Transmitter power	N/A
EIRP	N/A
Emission designator	6M25C3F

Antenna details

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

Technical characteristics

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Main Station Site

Station 10:

Site details

Site ID	19492
Site address	Amateur Site, MT STUART QLD 4813
Co-ordinates (GDA94)	Latitude: -19.343838 Longitude: 146.780685

Receiver details

Assigned frequency	1.25500000 GHz
Bandwidth	7.000000 MHz
Freq. assign. ID	0000515349
Transmitter power	N/A
EIRP	N/A
Emission designator	7M00V7W

Antenna details

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

Technical characteristics

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Main Station Site

Station 11:

Site details

Site ID	19492
Site address	Amateur Site, MT STUART QLD 4813
Co-ordinates (GDA94)	Latitude: -19.343838 Longitude: 146.780685

Transmitter details

Assigned frequency	446.500000 MHz
Bandwidth	7.000000 MHz
Freq. assign. ID	0000515350
Transmitter power	50.00 W
EIRP	
Emission designator	7M00V7W

Antenna details

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