

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 Beacon
Licence number	1443678/1
Callsign	VK4RTL
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

Advisory Notes applying to licence no.: 1443678/1

Conditions applicable to the operation of Amateur Beacon 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

Transmitter details

Assigned frequency	144.444000 MHz
Bandwidth	850.00 Hz
Freq. assign. ID	0000517356
Transmitter power	10.00 W
EIRP	
Emission designator	850HF1A

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

Transmitter details

Assigned frequency	432.444000 MHz
Bandwidth	850.00 Hz
Freq. assign. ID	0000517357
Transmitter power	10.00 W
EIRP	
Emission designator	850HF1A

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

Transmitter details

Assigned frequency	28.270000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0000517358
Transmitter power	5.00 W
EIRP	
Emission designator	100HF1A

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 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	50.282000 MHz
Bandwidth	200.00 Hz
Freq. assign. ID	0000517359
Transmitter power	10.00 W
EIRP	
Emission designator	200HA1A

Antenna details

Antenna ID	60008
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	582
Antenna type	Dipole-D

Special Conditions applying to Station 4

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.

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

Transmitter details

Assigned frequency	1.29644400 GHz
Bandwidth	1,000.00 Hz
Freq. assign. ID	0000517360
Transmitter power	10.00 W
EIRP	
Emission designator	850HF1A

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

Transmitter details

Assigned frequency	2.40344400 GHz
Bandwidth	800.00 Hz
Freq. assign. ID	0000517361
Transmitter power	10.00 W
EIRP	
Emission designator	850HF1A

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

Transmitter details

Assigned frequency	3.39844400 GHz
Bandwidth	850.00 Hz
Freq. assign. ID	0000517362
Transmitter power	10.00 W
EIRP	
Emission designator	850HF1A

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 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	5.67044400 GHz
Bandwidth	850.00 Hz
Freq. assign. ID	0000517363
Transmitter power	10.00 W
EIRP	
Emission designator	850HF1A

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 9:

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	5.76044400 GHz
Bandwidth	850.00 Hz
Freq. assign. ID	0000517364
Transmitter power	10.00 W
EIRP	
Emission designator	850HF1A

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 10:

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	10.36844400 GHz
Bandwidth	850.00 Hz
Freq. assign. ID	0000517365
Transmitter power	10.00 W
EIRP	
Emission designator	850HF1A

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 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	10.44844400 GHz
Bandwidth	850.00 Hz
Freq. assign. ID	0000517366
Transmitter power	10.00 W
EIRP	
Emission designator	850HF1A

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 12:

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	24.04844400 GHz
Bandwidth	850.00 Hz
Freq. assign. ID	0000517367
Transmitter power	10.00 W
EIRP	
Emission designator	850HF1A

Antenna details

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