

Part 6

Foundation Station

Section 27

The licensee must only operate an amateur Standard station on a frequency that that is not listed in Schedule 3A of the LCD. Know the frequencies and limitations.

Permitted frequencies and emission modes (Extracted from Schedule 3A). The user list on the left indicates the users of that frequency either Foundation, Standard or Advanced. If in doubt consult Schedule 3A.

[Read Schedule 3A and know the frequencies.](#)

Australian Amateur Radio Regulations Assessment

Amateur Frequencies, Bandwidths, Power and Limitations.

Always consult the LCD and Australian Band Plan.

Users	Band	Frequency	Mode	Power
A	2200m	135.7 kHz - 137.8 kHz	Any mode. BW< 2.1 kHz	As per Note 1
A	630m	472 kHz - 479 kHz	Any mode. BW< 2.1 kHz	As per Note 2
A	160m	1.8 MHz – 1.875 MHz	Any Mode BW<8 kHz	As per Note 3 & 4
F - S - A	80m	3.5 MHz – 3.7 MHz	Any Mode BW<8 kHz	As per Note 3 & 4
A		3.776 MHz – 3.8 MHz	Any Mode BW < 8 kHz	As per Note 3
	60m	Not yet available		
F - S - A	40m	7.0 MHz – 7.1 MHz	Any Mode BW < 8 kHz	As per Note 3 & 4
		7.1 MHz – 7.3 MHz	Any Mode BW < 8 kHz	As per Note 3
A	30m	10.1 MHz – 10.15 MHz	Any Mode BW < 8 kHz	As per Note 3
S - A	20m	14.0 MHz – 14.35 MHz	Any Mode BW<8 kHz	As per Note 3 & 4
A	17	18.068 MHz – 18.168 MHz	Any Mode BW<8 kHz	As per Note 3 & 4
F - S - A	15m	21.0 MHz – 21.45 MHz	Any Mode BW<8 kHz	As per Note 3 & 4
A	12m	24.89 MHz – 24.99 MHz	Any Mode BW<8 kHz	As per Note 3 & 4
F - S - A	10m	28.0 MHz – 29.7 MHz	Any Mode BW < 16 kHz	As per Note 3 & 4
A	6m	50.0 MHz - 52.0 MHz	Any Mode BW < 100 kHz	As per Note 3
S - A		52.0 MHz - 54.0 MHz	Any Mode	As per Note 3
F - S - A	2m	144.0 MHz - 148.0 MHz	Any Mode	As per Note 3
F - S - A	70cm	430.0 MHz - 450.0 MHz	Any Mode	As per Note 3
S - A	23cm	1.24 GHz - 1.3 GHz	Any Mode	As per Note 3
A	13cm	2.3 GHz – 2.302 GHz	Any Mode	As per Note 3
S - A		2.4 GHz - 2.45 GHz	Any Mode	As per Note 3 & 5
A	9cm	3.3 GHz - 3.4 GHz	Any Mode	As per Note 3
		3.4 GHz - 3.6 GHz	Any Mode	As per Note 3 & 6
S - A	6cm	5.65 GHz - 5.85 GHz	Any Mode	As per Note 3
A	3cm	10.0 GHz – 10.5 GHz	Any Mode	As per Note 3
A	12 mm	24.0 GHz - 24.25 GHz	Any Mode	As per Note 3
A	6 mm	47.0 GHz – 47.2 GHz	Any Mode	As per Note 3
A	4 mm	76.0 GHz – 81.0 GHz	Any Mode	As per Note 3
A	2.5mm	122.25 GHz – 123.0 GHz	Any Mode	As per Note 3
A	2mm	134.0 GHz – 141.0 GHz	Any Mode	As per Note 3
A	1.25mm	241.0 GHz – 250.0 GHz	Any Mode	As per Note 3

Note 1 - A maximum Effective Isotropic Radiated Power (EIRP) of 1 watt pX.

Note 2 - A maximum Effective Isotropic Radiated Power (EIRP) of 5 watts pX.
Excluded from use in the "Timor Non Directional Beacon Area". Refer to LCD Part 3 (1)

Note 3

Foundation transmitter power - 10 watts pX for all modes

Standard Transmitter power - 100 watts pX for J3E - SSB telephony

R3E - SSB variable carrier telephony

Other modes 30 watts pY

Advanced transmitter power - 400 watts pX for

C3F - Vestigial sideband television

J3E - SSB telephony

R3E - SSB variable carrier telephony

Other modes - 120 watts pY.

Note 4 - If the band width is exceeded, the Power Spectral Density (PSD) of the signal must not exceed 1 watt per 100kHz.

Note 5 - Other services must accept any harmful interference from Industrial, Scientific & Medical devices.

Note 6 - Excluded from operating in areas defined by Schedule 5 of the LCD.

pX - Peak envelope power (PEP).

pY - The average power

pZ - Carrier Power.

Section 29

The licensee must not ensure the transmission remains entirely within that frequency band.

Section 30

The licensee must not operate an amateur foundation station, using a transmitter output power of more than **10 watts pX**.

