

US Amateur Radio Bands



US AMATEUR POWER LIMITS — §97.313 (a) An amateur station must use the minimum transmitter power necessary to carry out the desired communications. (b) No station may transmit with a transmitter power exceeding 1.5 kW peak envelope power.

Legend

	= CW only	E = Extra
	= CW, RTTY, and Data	A = Advanced
	= CW, Phone, and Image	G = General
	= CW and SSB Phone	T = Technician
	= CW, USB Phone, RTTY, and Data	N = Novice
	= Fixed digital message forwarding systems	

Low Frequency (LF) and Medium Frequency (MF)

Amateurs wishing to operate on either 2,200 or 630 meters must first register with the Utilities Technology Council online at <https://utc.org/plc-database-amateur-notification-process/>. You need only register once for each band.

2,200 Meters (135 kHz)



630 Meters (472 kHz)



5 W EIRP maximum, except in Alaska within 496 miles of Russia where the power limit is 1 W EIRP.

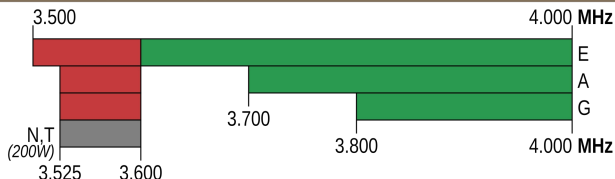
160 Meters (1.8 MHz)



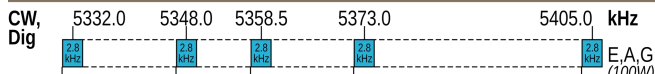
Avoid interference to radiolocation operations from 1.900 to 2.000 MHz.

High Frequency (HF)

80 Meters (3.5 MHz)

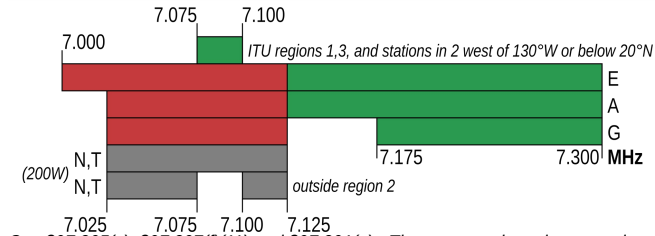


60 Meters (5.3 MHz)



USB 5330.5 5346.5 5357.0 5371.5 5403.5 kHz
General, Advanced, and Extra licensees may operate on a secondary basis with a maximum ERP of 100 W (relative to a half-wave dipole antenna).

40 Meters (7 MHz)



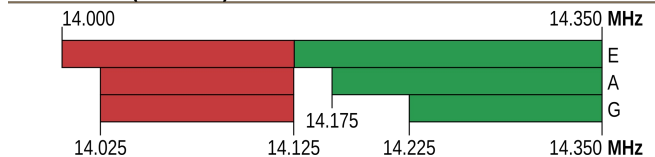
See §97.305(c), §97.307(f)(11) and §97.301(e). These exemptions do not apply to stations in the continental US.

30 Meters (10.1 MHz)

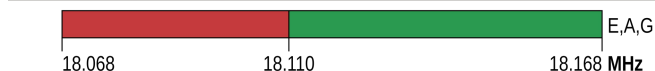


Avoid interference to fixed services outside the US.

20 Meters (14 MHz)



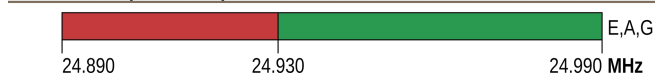
17 Meters (18 MHz)



15 Meters (21 MHz)



12 Meters (24 MHz)



10 Meters (28 MHz)



Very High Frequency (VHF)

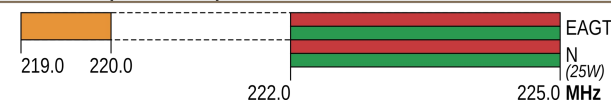
6 Meters (50 MHz)



2 Meters (144 MHz)



1.25 Meters (222 MHz)



Ultra High Frequency (UHF)

Geographical and power restrictions may apply to all bands above 420 MHz. See §97.303 for information about your area.

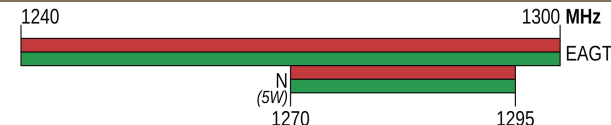
70 cm (420 MHz)



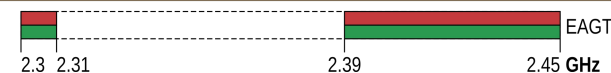
33 cm (902 MHz)



23 cm (1240 MHz)



13 cm (2.4 GHz)



Super High Frequency (SHF) and up

All licensees except Novices are authorized all modes on the following frequencies:

3.400 – 3.450 GHz	24.000 – 24.250 GHz	122.250 – 123.000 GHz
5.650 – 5.925 GHz	47.000 – 47.200 GHz	134.000 – 141.000 GHz
*10.000 – 10.500 GHz	76.000 – 81.000 GHz	241.000 – 250.000 GHz
		275.000 – ∞ GHz

* No pulse emissions on 10.000 – 10.500 GHz.