

US Amateur Radio Bands

US AMATEUR POWER LIMITS

FCC 97.313 An amateur station must use the minimum transmitter power necessary to carry out the desired communications. No station may transmit > 1.5 kW PEP.

Effective Date
March 5, 2012

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ARRL AMATEUR RADIO®
www.arrl.org
225 Main Street, Newington, CT USA 06111-1494



KEY

Note:

CW operation is permitted throughout all amateur bands.

MCW is authorized above 50.1 MHz, except for 144.0-144.1 and 219-220 MHz.

Test transmissions are authorized above 51 MHz, except for 219-220 MHz

- = RTTY and data
- = phone and image
- = CW *only*
- = SSB phone
- = USB phone, CW, RTTY, and data
- = Fixed digital message forwarding systems *only*

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ARRL Headquarters:
860-594-0200 (Fax 860-594-0259)
email: hq@arrl.org

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

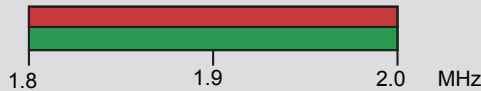
2300-2310 MHz	134-141 GHz
2390-2450 MHz	47.0-47.2 GHz
3300-3500 MHz	76.0-81.0 GHz
5650-5925 MHz	122.25-123.0 GHz
10.0-10.5 GHz *	241-250 GHz
24.0-24.25 GHz	All above 275 GHz

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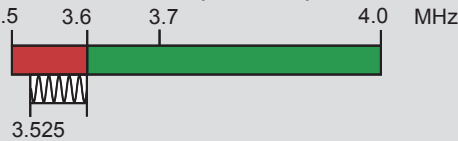
Simplified version for AE privileges by Daniele P. Scarpazza N2DPS
scarpaz@scarpaz.com

160 Meters (1.8 MHz)

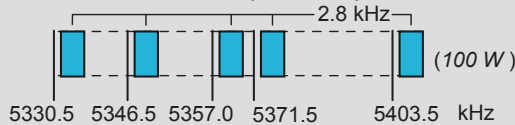
Avoid interference to radiolocation operations from 1.9 to 2.0 MHz



80 Meters (3.5 MHz)

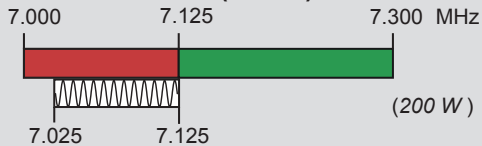


60 Meters (5.3 MHz)



Five channels on a secondary basis with max 100 W ERP PEP. Permitted voice (USB), CW, RTTY, PSK31 and other digital modes allowed by FCC Order 2011-11-18. USB is limited to 2.8 kHz centered on 5332, 5348, 5358.5, 5373 and 5405 kHz. CW and digital emissions must be centered 1.5 kHz above the channel frequencies indicated above.

40 Meters (7 MHz)



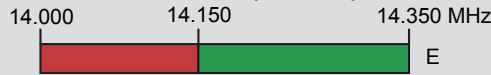
Phone and Image modes permitted between 7.075 and 7.100 MHz in ITU Regions 1 and 3, and in ITU Region 2 West of 130° West longitude or South of 20° North latitude.

30 Meters (10.1 MHz)

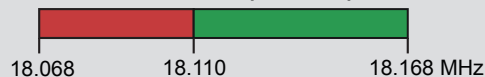
Avoid interference to fixed services outside the US.



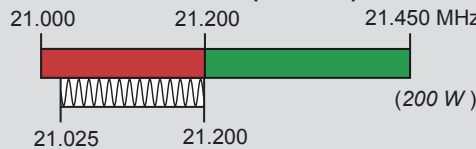
20 Meters (14 MHz)



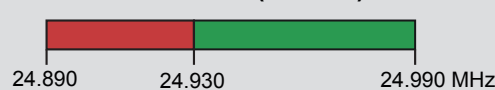
17 Meters (18 MHz)



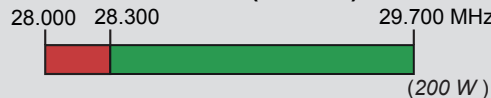
15 Meters (21 MHz)



12 Meters (24 MHz)



10 Meters (28 MHz)



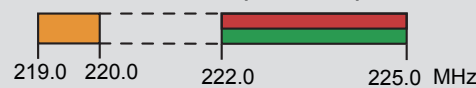
6 Meters (50 MHz)



2 Meters (144 MHz)



1.25 Meters (222 MHz)



70 cm (420 MHz)*



Geographical and power restrictions may apply to all bands above 420 MHz. See *The ARRL Operating Manual* for information about your area.

33 cm (902 MHz)*



23 cm (1240 MHz)*



* No pulse emissions