

160 Meters

General, Advanced, Amateur Extra licensees:

1.800-2.000 MHz: CW, Phone, Image, RTTY/Data

80 Meters

Novice and Technician classes:

3.525-3.600 MHz: CW Only

General class:

3.525-3.600 MHz: CW, RTTY/Data

3.800-4.000 MHz: CW, Phone, Image

Advanced class:

3.525-3.600 MHz: CW, RTTY/Data

3.700-4.000 MHz: CW, Phone, Image

Amateur Extra class:

3.500-3.600 MHz: CW, RTTY/Data

3.600-4.000 MHz: CW, Phone, Image

60 Meters: Five Specific Channels

The FCC has granted hams secondary access on USB only to five discrete 2.8-kHz-wide channels. Amateurs can not cause interference to and must accept interference from the Primary Government users. The NTIA says that hams planning to operate on 60 meters "must assure that their signal is transmitted on the channel center frequency." This means that amateurs should set their carrier frequency 1.5 kHz *lower* than the channel center frequency.

General, Advanced and Amateur Extra classes:

Channel Center	Amateur Tuning Frequency
5332 kHz	5330.5 kHz
5348 kHz	5346.5 kHz
5368 kHz	5366.5 kHz
5373 kHz	5371.5 kHz
5405 kHz (common US/UK)	5403.5 kHz

Amateurs may use USB **only** with a maximum effective radiated power (ERP) of **50 W**. Radiated power must not exceed the equivalent of 50 W PEP transmitter output power into an antenna with a gain of 0 dBd. For details, see the [60 Meter FAQ](#) page.

40 Meters

Novice and Technician classes:

7.025-7.125 MHz: CW Only

General class:

7.025-7.125 MHz: CW, RTTY/Data

7.175-7.300 MHz: CW, Phone, Image

Advanced class:

7.025-7.125 MHz: CW, RTTY/Data

7.125-7.300 MHz: CW, Phone, Image

Amateur Extra class:

7.000-7.125 MHz: CW, RTTY/Data

7.125-7.300 MHz: CW, Phone, Image

Note: Phone and Image modes are permitted between 7.075 and 7.100 MHz for FCC licensed stations in ITU Regions 1 and 3 and by FCC licensed stations in ITU Region 2 West of 130 degrees West longitude or south of 20 degrees North latitude. See Section [97.307\(f\)\(11\)](#). Novice and Technician licensees outside ITU Region 2 may use CW only between 7.050 and 7.075 MHz. See Section [97.301\(e\)](#). These exemptions do not apply to stations in the continental US.

30 Meters

Maximum power, 200 watts PEP. Amateurs must avoid interference to the fixed service outside the US.

General, Advanced, Amateur Extra classes:

10.100-10.150 MHz: CW, RTTY/Data

20 Meters

General class:

14.025-14.150 MHz: CW, RTTY/Data

14.225-14.350 MHz: CW, Phone, Image

Advanced class:

14.025-14.150 MHz: CW, RTTY/Data

14.175-14.350 MHz: CW, Phone, Image

Amateur Extra class:

14.000-14.150 MHz: CW, RTTY/Data

14.150-14.350 MHz: CW, Phone, Image

17 Meters

General, Advanced, Amateur Extra classes:

18.068-18.110 MHz: CW, RTTY/Data

18.110-18.168 MHz: CW, Phone, Image

15 Meters

Novice and Technician classes:

21.025-21.200 MHz: CW Only

General class:

21.025-21.200 MHz: CW, RTTY/Data

21.275-21.450 MHz: CW, Phone, Image

Advanced class:

21.025-21.200 MHz: CW, RTTY/Data

21.225-21.450 MHz: CW, Phone, Image

Amateur Extra class:

21.000-21.200 MHz: CW, RTTY/Data

21.200-21.450 MHz: CW, Phone, Image

12 Meters

General, Advanced, Amateur Extra classes:

24.890-24.930 MHz: CW, RTTY/Data

24.930-24.990 MHz: CW, Phone, Image

10 Meters

Novice and Technician classes:

28.000-28.300 MHz: CW, RTTY/Data--Maximum power 200 watts PEP

28.300-28.500 MHz: CW, Phone--Maximum power 200 watts PEP

General, Advanced, Amateur Extra classes:

28.000-28.300 MHz: CW, RTTY/Data

28.300-29.700 MHz: CW, Phone, Image

6 Meters

All Amateurs except Novices:

50.0-50.1 MHz: CW Only

50.1-54.0 MHz: CW, Phone, Image, MCW, RTTY/Data

2 Meters

All Amateurs except Novices:

144.0-144.1 MHz: CW Only

144.1-148.0 MHz: CW, Phone, Image, MCW, RTTY/Data

1.25 Meters

The FCC has allocated 219-220 MHz to amateur use on a secondary basis. This allocation is *only* for fixed digital message forwarding systems operated by all licensees except Novices. Amateur operations must not cause interference to, and must accept interference from, primary services in this and adjacent bands. Amateur stations are limited to 50 W PEP output and 100 kHz bandwidth. Automated Maritime Telecommunications Systems (AMTS) stations are the primary occupants in this band. Amateur stations within 398 miles of an AMTS station must notify the station in writing at least 30 days prior to beginning operations. Amateur stations within 50 miles of an AMTS station must get permission in writing from the AMTS station before beginning operations. ARRL Headquarters maintains a database of AMTS stations. The FCC requires that amateur operators provide written notification including the station's geographic location to the ARRL for inclusion in a database at least 30 days before beginning operations. See Section 97.303(e) of the FCC Rules.

Novice (Novices are limited to 25 watts PEP output), Technician, General, Advanced, Amateur Extra classes:

222.00-225.00 MHz: CW, Phone, Image, MCW, RTTY/Data

70 Centimeters

All Amateurs except Novices:

420.0-450.0 MHz: CW, Phone, Image, MCW, RTTY/Data

33 Centimeters

All Amateurs except Novices:

902.0-928.0 MHz: CW, Phone, Image, MCW, RTTY/Data

23 Centimeters

Novice class:

1270-1295 MHz: CW, phone, Image, MCW, RTTY/Data (maximum power, 5 watts PEP)

All Amateurs except Novices:

1240-1300 MHz: CW, Phone, Image, MCW, RTTY/Data

Higher Frequencies:

All modes and licensees (except Novices) are authorized on the following bands [FCC Rules, Part 97.301(a)]:

2300-2310 MHz

2390-2450 MHz

3300-3500 MHz

5650-5925 MHz

10.0-10.5 GHz

24.0-24.25 GHz

47.0-47.2 GHz

75.5-81.0 GHz*

119.98-120.02 GHz

142-149 GHz

241-250 GHz

All above 300 GHz

* Amateur operation at 76-77 GHz has been suspended till the FCC can determine that interference will not be caused to vehicle radar systems