### US Amateur Radio Bands

#### US Amateur Power Limits

FCC 97.113 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 PEP.

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<th>License Class</th>
<th>Power Limitation</th>
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<td>E,A,G</td>
<td>200 Watts PEP</td>
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<tr>
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<td>E,A,G</td>
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<td>60 Meters</td>
<td>E,A,G</td>
<td>200 Watts PEP</td>
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<tr>
<td>40 Meters</td>
<td>E,A,G</td>
<td>200 Watts PEP</td>
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<td>30 Meters</td>
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<tr>
<td>6 Meters</td>
<td>E,A,G,T</td>
<td>200 Watts PEP</td>
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#### 160 Meters (1.8 MHz)
- Avoid interference to radiolocation operations from 1.900 to 2.000 MHz.
- 1.800 to 1.900 MHz: E,A,G
- 1.900 to 2.000 MHz: E,A,G

#### 80 Meters (3.5 MHz)
- 3.500 to 3.600 MHz: E,A,G (50 W)
- 3.600 to 4.000 MHz: E,A,G

#### 60 Meters (5.3 MHz)
- 5330.5 to 5346.5 kHz: E,A,G
- 5366.5 to 5403.5 kHz: E,A,G
- General, Advanced, and Amateur Extra licensees may use the following five channels on a secondary basis with a maximum effective radiated power of 50 W PEP relative to a half wave dipole. Only upper sideband suppressed carrier voice transmissions may be used. The frequencies are 5330.5, 5346.5, 5366.5, 5371.5 and 5403.5 kHz. The occupied bandwidth is limited to 2.8 kHz centered on 5332, 5348, 5368, 5373, and 5405 kHz respectively.

#### 40 Meters (7 MHz)
- 7.000 to 7.125 MHz: E,A,G
- 7.125 to 7.300 MHz: E,A,G
- 7.300 MHz: E,A,G

#### 30 Meters (10.1 MHz)
- Avoid interference to fixed services outside the US.
- 10.000 to 10.150 MHz: E,A,G

#### 20 Meters (14 MHz)
- 14.000 to 14.150 MHz: E,A,G
- 14.175 MHz: E,A,G

#### 15 Meters (21 MHz)
- 21.000 to 21.200 MHz: E,A,G
- 21.225 MHz: E,A,G

#### 12 Meters (24 MHz)
- 24.890 to 24.930 MHz: E,A,G

#### 10 Meters (28 MHz)
- 28.000 to 28.300 MHz: E,A,G
- 28.700 MHz: E,A,G

#### 6 Meters (50 MHz)
- 50.0 to 54.0 MHz: E,A,G,T
- 50.1 to 54.0 MHz: E,A,G,T

#### 2 Meters (144 MHz)
- 144.0 to 148.0 MHz: E,A,G,T
- 200 Watts PEP

#### 1.25 Meters (222 MHz)
- 219.0 to 225.0 MHz: E,A,G,T
- 250 W

#### 70 cm (420 MHz)
- 420.0 to 450.0 MHz: E,A,G,T

#### 33 cm (902 MHz)
- 902.0 to 928.0 MHz: E,A,G,T

#### 23 cm (1240 MHz)
- 1240 to 1300 MHz: E,A,G,T

### Notes
- CW operation is permitted throughout all amateur bands except 60 meters.
- MCW is authorized above 50.1 MHz, except for 219-220 MHz.
- Test transmissions are authorized above 51 MHz, except for 219-220 MHz.

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