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.

(b) No station may transmit with a transmitter power exceeding 1.5 kW PEP.

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.
- Fixed digital message forwarding systems only

General, Advanced, and Amateur Extra licensees may operate on these five channels on a secondary basis with a maximum effective radiated power (ERP) of 100 W PEP relative to a half-wave dipole. Permitted operating modes include upper sideband voice (USB), CW, RTTY, PSK31, and other digital modes such as PACTOR III. Only one signal at a time is permitted on any channel.

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.

- 23 cm (1240 MHz)†
  - 1240 MHz
  - 1270 MHz
  - 1295 MHz

- 13 cm (902 MHz)
  - 902.0 MHz
  - 928.0 MHz

- 7 cm (420 MHz)
  - 420.0 MHz
  - 450.0 MHz

- 3 cm (222 MHz)†
  - 220.0 MHz
  - 225.0 MHz

- 1.25 cm (222 MHz)†
  - 220.0 MHz
  - 225.0 MHz

- 70 cm (420 MHz)†
  - 420.0 MHz
  - 450.0 MHz

- 33 cm (902 MHz)†
  - 902.0 MHz
  - 928.0 MHz

- 23 cm (1240 MHz)†
  - 1200 MHz
  - 1240 MHz

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

- 2300-2310 MHz 10.0-10.5 GHz
- 2390-2450 MHz 24.0-24.25 GHz
- 3300-3500 MHz 47.0-47.2 GHz
- 5650-5925 MHz 76.0-81.0 GHz

† No pulse emissions

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E = Amateur Extra
A = Advanced
G = General
T = Technician
N = Novice

See ARRLWeb at www.arrl.org for detailed band plans.