



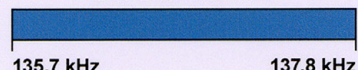
# US Amateur Radio Bands

Operator license classes: **E** = Amateur Extra **A** = Advanced **G** = General **T** = Technician **N** = Novice  
 CW operation is permitted throughout all amateur bands. Except as noted, all frequencies are in megahertz (MHz).

= RTTY, data, phone, image   
 = USB phone, RTTY, data and CW   
 = RTTY and data   
 = phone and image  
 = SSB phone   
 = CW only

## LF – Low Frequency band

**2200 Meters (135 kHz) E,A,G**  
 1 W EIRP maximum

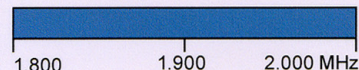


## MF – Medium Frequency bands

**630 Meters (472 kHz) E,A,G**  
 5 W EIRP max, except in Alaska within 496 miles of Russia where the limit is 1 W EIRP



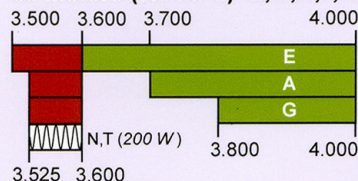
**160 Meters (1.8 MHz) E,A,G**



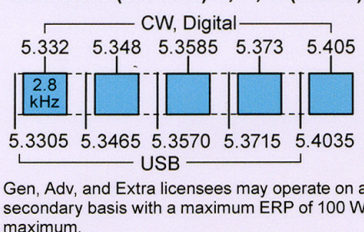
Amateurs wishing to operate on **2200 or 630 meters** must first register with the Utilities Technology Council online at <https://utc.org/plc-database-amateur-notification-process/>. You need only register once for each band.

## HF – High Frequency bands

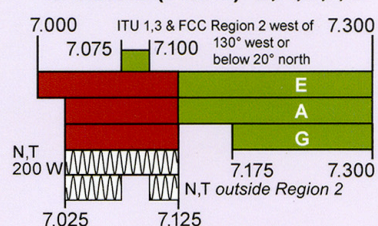
**80 Meters (3.5 MHz) E,A,G,T,N**



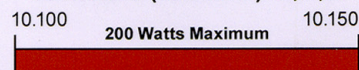
**60 Meters (5.3 MHz) E, A, G (100 W)**



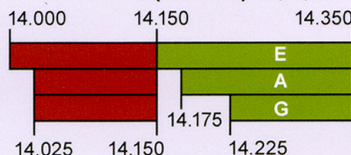
**40 Meters (7 MHz) E,A,G,T,N**



**30 Meters (10.1 MHz) E,A,G**



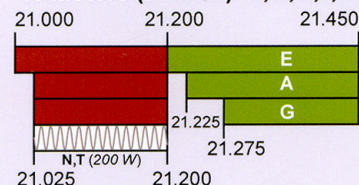
**20 Meters (14 MHz) E,A,G**



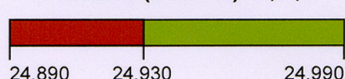
**17 Meters (18 MHz) E,A,G**



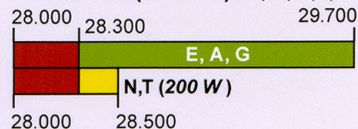
**15 Meters (21 MHz) E,A,G,T,N**



**12 Meters (24 MHz) E,A,G**

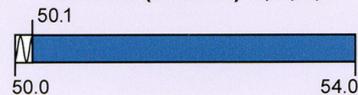


**10 Meters (28 MHz) E,A,G,T,N**

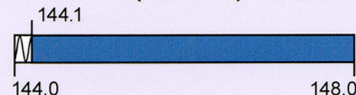


## VHF – Very High Frequency bands

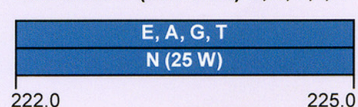
**6 Meters (50 MHz) E,A,G,T**



**2 Meters (144 MHz) E,A,G,T**

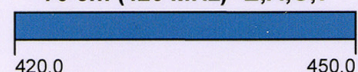


**1.25 Meters (222 MHz) E,A,G,T,N**

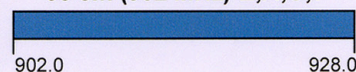


## UHF – Ultra High Frequency bands

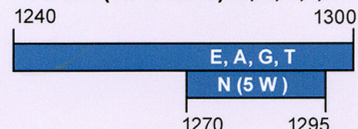
**70 cm (420 MHz) E,A,G,T**



**33 cm (902 MHz) E,A,G,T**



**23 cm (1240 MHz) E,A,G,T,N**



## SHF&EHF – Super and Extremely High Frequency bands

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

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

See [www.arrl.org/band-plan](http://www.arrl.org/band-plan) for detailed band plans.

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