Shortwave Broadcast Bands and Amateur Radio HF Band Limits

Short Wave Broadcast Bands:

120 meters: 2300 to 2500 kHz

90 meters: 3200 to 3400 kHz
75 meters: 3900 to 4000 kHz
60 meters: 4750 to 5060 kHz
49 meters: 5950 to 6200 kHz
41 meters: 7100 to 7300 kHz
31 meters: 9500 to 9775 kHz
25 meters: 11700 to 11975 kHz
19 meters: 15100 to 15450 kHz
16 meters: 17700 to 17900 kHz
13 meters: 21450 to 21750 kHz
11 meters: 25600 to 26100 kHz

These are the major frequency bands that are used by short wave broadcasters. The 120 to 41 meter bands are usually most active after dark and 31 to 11 meters are active during hours of daylight.

Amateur Radio HF Band Limits:

Key -

- = Frequency range not allowed for class of license

N = Novice <CW only>

C = CW, FSK

V = CW, SSTV, FAX, Voice

A = CW, SSB

10 Meters -

12 Meters -				
Freq MHz 24.890	24.930	2	4.990	
General CCCCCCCCCCCCCCCCC Advanced CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CCCCCCVVVV	VVVVVV\	///////////////////////////////////////	VVVVVVVVVVV
(Amateurs must avoid interf	erence to the f	ixed servic	e outside the U.S	.)
15 Meters -				
Freq MHz 21.0 21.025 / / / / / NoviceNNI GeneralCCCCCCCCCC AdvancedCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	/ / NNNNNNNN CCCCCCCCCCCCCCCCCCCCCCCC	\ CCCC CCCCC	VVVVVV VVVVVVVVVVVVVVV	/VVVVVVVVV
20 Meters -				
Freq MHz 14.0 14.025 / / / / GeneralCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	/ / CCCCCCCC	\ VVVVV		VVVVVVV
30 Meters -				
Freq MHz 10.1 / General CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CCCCCCCCCC	10.150 \ CCCCCCCC		CCCCCC
Advanced &				

(CW & FSK Only - Maximum Power 200 Watts Output PEP)

Extra

40 Meters -							
Freq MHz 7.0 7.025 7.100 7.150 7.225 7.300							
NoviceGCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC							
CCCCCCCCCCCCCCCCCCCCCVVVVVVVVVVVVVVVVV							
CCCCCCCCCCCCCCCCCCCCCCCCCCCCVVVVVVVVVVV							
** Phone operation is allowed on 7075-7100 KHz in Puerto Rico, U.S.							
Virgin Islands and areas of the Carribean south of 20 degrees north laditude; and in Hawaii and areas near ITU Region 3, including Alaska.							
75/80 Meters -							
Freq MHz 3.50 3.525 3.7 3.75 3.775 3.850 4.0 / / / / / / \ NoviceNNNNNN							
GeneralCCCCCCCCCCCCCCCCCCCVVVVVVVV							
Extra CCCCCCCCCCCCCCCCCCCCCCCVVVVVVVVVVVVVV							
160 Meters -							
Freq MHz 1.8 2.0							
General, VVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVV							
Amateur stations operating at 1900-2000 KHz must not cause harmful interference to the radiolocation service and are afforded no protection from radiolocation operations; See January 1986, issue of QST in Happenings for details. ***********************************							
Operators with Technician class licensees and above may operate on all amateur bands above 50 MHz. For more details see the FCC rulebook.							

5167.5 KHz Alaska emergency use only. (SSB only) E,A,G,T,N							

6 Meters -						
Freq MHz / E,A,G,T	50.0 	50.1	52.0	53. \	.0 5	54.0
	CCCBBE	BBBBBBBBBB	BBBBBBBB	BBBBB	BBBBB	BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB
2 Meters -						
. /	144.0	144.1	145.0	147.0		148.0
E,A,G,T CCCCCCC	ccccc	ССВВВВВВВВ	BBBBBBBB	BBBBB	BBBBB	BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB
1 1/4 Mete	ers -					
Freq MHz / Novice -	220.0	221.0 /	222.1 \ BBBBBBB	\	23.91 BBBB	225.0
E,A,G,T BBBBBBB	BBBBBB	BBBBBBBBBB	BBBBBBBB	BBBBBI	BBBBBI	BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB
70 cm -						
Freq MHz	420.0			\	450.0	
E,A,G,T BBBBBBBB	BBBBBB	BBBBBBBBB	BBBBBBBB	-	BBBBBI	BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB
33 cm -						
Freq MHz	902.0			1	928.0	
E,A,G,T				\		

U.S. Amateur Power Limits:

At all times, transmitter power should be kept down to that necessary to carry out the desired communications. Power is rated in watts PEP output. Unless otherwise stated the maximum power output is 1500 Watts. Power for all license classes is limited to 200 watts in the 10,100 - 10,150 KHz band and in all Novice subbands below 28,100 KHz. Novices and Technicians are restriceed to 200 watts in the 28,100 - 28,500 KHz subband. In addition, Novices are restricted to 25 watts in the 222.1 - 223.91 MHz subband and 5 watts in the 1270 - 1295 MHz subband.

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