

US Amateur Radio Bands

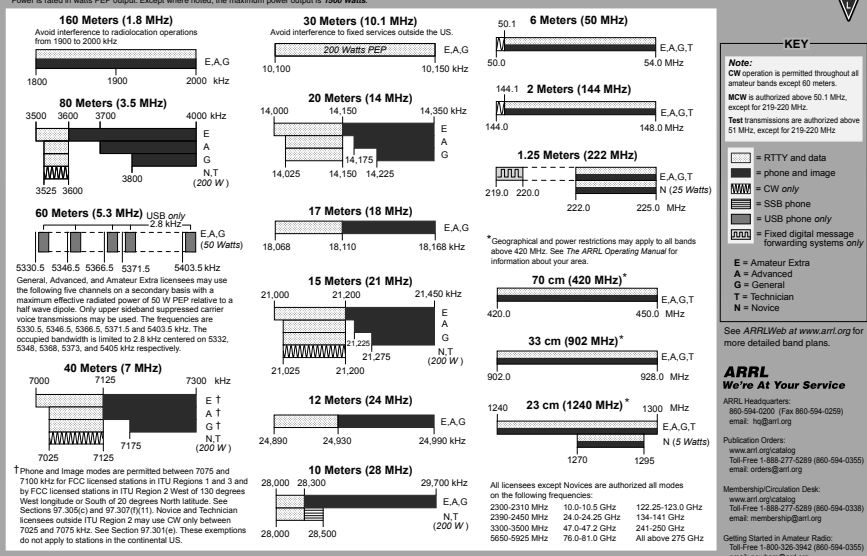
US AMATEUR POWER LIMITS
 All times, transmitter power should be kept down to that necessary to carry out the desired communications. Power is rated in watts PEP output. Except where noted, the maximum power output is 1500 Watts.

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 225 Main Street, Newington, CT USA 06111-1494



NOTE: ITU channel are duplex (split frequency), e.g. coast station transmits on one frequency and the ship transmit on a different (lower) frequency. Where *F* is in kHz this is the coast station transmit frequency, the frequency you may wish to monitor. Frequency split: the number of kHz that has to be deducted to get the ship transmit frequency.



ITU duplex channels	Call sign	4MHz	6MHz	8MHz	12MHz	16MHz	18MHz	22MHz
Distress		401 to 429	601 to 608	801 to 837	1201 to 1241	1601 to 1656	1801 to 1815	2201 to 2253
Frequency split		292kHz	301kHz	324kHz	847kHz	882kHz	978kHz	696kHz
<i>F</i> in kHz		421 (447)	606 (616)	821 (879)	1221 (1337)	1621 (1702)	1806 (1970)	2221 (2276)
<i>F</i> in kHz	SVN	424 (447)	609 (616)	824 (879)	1224 (1337)	1624 (1702)	1809 (1973)	2224 (2276)
Emergency		437.5	640.5	853.5	1264.5	1675.5	1852.5	2281.5
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CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
1	26.965 MHz	21	27.215 MHz
2	27.025 MHz	22	27.225 MHz
3	26.985 MHz	23	27.255 MHz
4	27.005 MHz	24	27.235 MHz
5	27.015 MHz	25	27.245 MHz
6	27.025 MHz	26	27.265 MHz
7	27.035 MHz	27	27.275 MHz
8	27.055 MHz	28	27.285 MHz
9	27.065 MHz	29	27.295 MHz
10	27.075 MHz	30	27.305 MHz
11	27.085 MHz	31	27.315 MHz
12	27.105 MHz	32	27.325 MHz
13	27.115 MHz	33	27.335 MHz
14	27.125 MHz	34	27.345 MHz
15	27.135 MHz	35	27.355 MHz
16	27.155 MHz	36	27.365 MHz
17	27.165 MHz	37	27.375 MHz
18	27.175 MHz	38	27.385 MHz
19	27.185 MHz	39	27.395 MHz
20	27.205 MHz	40	27.405 MHz

Primary HF ship to ship frequencies							
Ch	4 MHz	6 MHz	8 MHz	16 MHz	18 MHz	22 MHz	26 MHz
A	4146 kHz	624 kHz	8294 kHz	12363 kHz	16528 kHz	22159 kHz	25100 kHz
B	4149 kHz	627 kHz	8297 kHz	12366 kHz	16531 kHz	22162 kHz	25103 kHz
C	6230 kHz	12359 kHz	16534 kHz	18331 kHz	22165 kHz	25106 kHz	
D	12362 kHz	16537 kHz	18334 kHz	22168 kHz	25109 kHz		
E	12365 kHz	16540 kHz	18337 kHz	22171 kHz	25112 kHz		
F	16543 kHz	18340 kHz	22174 kHz	25115 kHz			
G	16546 kHz	18343 kHz	22177 kHz	25118 kHz			

Simplex ship to ship HF frequencies, shared with fixed services						
4000 kHz	4024 kHz	4048 kHz	8107 kHz	8125 kHz	8149 kHz	8173 kHz
4003 kHz	4027 kHz	4051 kHz	8104 kHz	8128 kHz	8152 kHz	8176 kHz
4006 kHz	4030 kHz	4054 kHz	8107 kHz	8131 kHz	8155 kHz	8179 kHz
4009 kHz	4033 kHz	4057 kHz	8110 kHz	8134 kHz	8158 kHz	8182 kHz
4012 kHz	4036 kHz	4060 kHz	8113 kHz	8137 kHz	8161 kHz	8185 kHz
4015 kHz	4039 kHz		8116 kHz	8140 kHz	8164 kHz	8188 kHz
4018 kHz	4042 kHz		8119 kHz	8143 kHz	8167 kHz	8191 kHz
4021 kHz	4045 kHz		8122 kHz	8146 kHz	8170 kHz	

Listening times
 The best time to listen is early morning 0600 to 0930 and in the evenings 1800 to 2100 local time, this is when radio conditions are ideal. You should hear a number of yachtsmen talking to each other although in Northern Europe it is not so popular compared to the Mediterranean and Caribbean.

Net Areas

Net Area	frequency	Times GMT
Mediterranean net	8122 kHz	0530
Caribbean calling frequency and safety net	8104 kHz	1215 (0815 AST)
Atlantic Net (Herb)	12359 kHz	2000
Bahamas weather net	4045 kHz	7:00 am AST
Caribbean weather net	8104 kHz	from 07:00 AST
	8137 kHz	8137 kHz
Cruise/whaler's net (East coast and Bahamas):	8152 kHz	08:30 AST
@ 8:30 am ET		
Northwest Caribbean	8188 kHz	08:00 AST

Marine Distress Frequencies (Radio Telephone (RT) & DSC)

Band	RT Frequency	DSC Frequency	Day Time Range	Night Time Range
156	2182 kHz	1607.5 kHz	150 nm	100 nm
HF-4	4125 kHz	4207.5 kHz	300 nm	1000 nm
HF-6	6215 kHz	6312 kHz	600 nm	1500 nm
HF-8	8291 kHz	8414.5 kHz	1000 nm	2000 nm
HF-12	12290 kHz	12577 kHz	2500 nm	
HF-16	16420 kHz	16804.5 kHz		
VHF	156.800 MHz (Ch16)	156.525 MHz (Ch 70)	30 nm	30 nm

NOTE: Range is for guidance only and will depend on your operating conditions and HF radio propagation conditions.

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MF Coastguards, Daytime range 100 to 150 miles, night time range up to 1000 miles.

Station	Frequency USB	UK Coastguards in local time
Aberdeen Coastguard, UK	2226 kHz	0730 & 1930
Clyde Coastguard, UK	1883 kHz	0830 & 2010
Falmouth Coastguard, UK	2226 kHz	0710 & 1910
Humber Coastguard, UK	2226 kHz	0750 & 1950
Shetland Coastguard, UK	2226 kHz	0710 & 1910
Stornoway Coastguard, UK	1743 kHz	0710 & 1910

Below in GMT times

Main Head, Ireland	1677 kHz	0033, 0433, 0833, 1233, 1633, 2033
Valencia Radio, Ireland	1752 kHz	0233, 0633, 1033, 1433, 1833, 2233
Oostende Radio, Belgium	2761 kHz	0230, 0630, 1030, 1430, 1830, 2230
Netherlands Coastguard	405 kHz	0940 & 2140
USA coastguard working channels	1655 kHz	0650 & 1850
Corse, France	1650 & 2677 kHz	0815 & 2015
La Garde, France	1696 & 2677 kHz	0650, 0833, 1433, 1603, 1850
Machicao, Spain	1707 kHz	0703, 1303, 1903
Cabo de Penas, Spain	1677 kHz	0703, 1303, 1903
Coruna, Spain	1698 kHz	0703, 1303, 1903
Finislands, Spain	1764 kHz	0703, 1303, 1903
Chigona, Spain	1656 kHz	0733, 1233, 1933
Tarifá, Spain	1704 kHz	0733, 1233, 1933
Cado de Gata, Spain	1767 kHz	0750, 1350, 1950
Palma, Spain	1755 kHz	0750, 1350, 1950
Arcelle, Canary Isles	1644 kHz	0903, 1253, 1903
Las Palma, Canary Isles	1689 kHz	0803, 1233, 1903
Algar, Horia, Monsanto - Portugal		
Fonia Delgada - The Azores	2657 kHz	
Porto Santo, Madeira		
Ancona, Italy	2656 kHz	0133, 0433, 0733, 0933, 1333, 1733, 1933, 2133
Rome, Italy	1888 kHz	
Hafia, Israel	2646 kHz	0303, 0703, 1103, 1503, 1903, 2303
US Coastguard	2670 kHz	

US Coastguard HF frequencies

Station and Call sign	Frequencies	Times (GMT)
USCG Chesapeake (NMM)	4426 kHz, 6501 kHz, 8764 kHz, 13089 kHz, 17314 kHz	0330, 0515, 0930, 1115, 1530, 1715, 2130, 2315
USCG Pt Reyes (NMC)	4426 kHz, 6501 kHz, 8764 kHz, 13089 kHz, 17314 kHz	0430, 1030, 1630, 2230
USCG New Orleans (NMO)	4316 kHz, 8502 kHz, 12788 kHz	0330, 0515, 0930, 1115, 1530, 1715, 2130, 2315
USCG Honolulu (NMO)	8501 kHz, 8764 kHz, 13089 kHz	0005, 0600, 1200, 1800
Australian HF weather frequencies		
Station and Call sign	Frequencies	Times (CST)
Wiluna W. Australia (VMM)	2056 kHz, 4149 kHz, 8230 kHz, 8113 kHz, 12362 kHz, 16528 kHz	0300, 0700, 1100, 1500, 1900, 2300
Charleville S. Australia (VMC)	2201 kHz, 4426 kHz, 8507 kHz, 8176 kHz, 12365 kHz, 16546 kHz	0200, 0600, 1000, 1400, 1800, 2200

Distress and Safety (SAR) communications

Frequency	Comments
2182 kHz	HF International distress frequency for ship, aircraft and survival craft
3023kHz	Intercommunications between mobile stations engaged in coordination of search and rescue
4125kHz	Distress and safety traffic by radiotelephone
5680kHz	Intercommunications between mobile stations engaged in coordination of search and rescue
6125kHz	Distress and safety traffic by radiotelephone
8364kHz	Designated for use by survival craft stations.

Meter Band Frequency Range

Meter Band	Frequency Range	Remarks
120 m	2,300 - 2,495 kHz	tropic band
90 m	3,200 - 3,400 kHz	tropic band
75 m	3,900 - 4,000 kHz	shared with the amateur radio 75/80 meter band
60 m	4,750 - 5,060 kHz	tropic band
49 m	5,900 - 6,200 kHz	
40 m/41m	7,100 - 7,350 kHz	shared with the amateur radio 40 meter band
31 m	9,400 - 9,900 kHz	Currently most heavily used band
25 m	11,600 - 12,100 kHz	
22 m	13,570 - 13,870 kHz	substantially unused only in Eurasia
19 m	15,100 - 15,800 kHz	
16 m	17,480 - 17,900 kHz	
15 m	18,900 - 19,020 kHz	almost unused, could become a DRM band
13 m	21,450 - 21,850 kHz	
11 m	25,600 - 26,100 kHz	may be used for local DRM broadcasting

Frequency (MHz) Mode Description

- 11,175 USB Air Force GHSF primary days
- 6,739 USB Air Force GHSF primary nights
- 4,725 USB Air Force GHSF
- 6,993 USB Air Force GHSF
- 9,014 USB Air Combat Command (ACC) ops.
- 11,243 USB STRATCOM primary days
- 6,761 USB STRATCOM primary nights
- 6,812 USB MYSTIC STAR Primary AF-1/AF-2 8 AMs
- 11,246 USB Air Force GHSF McLellan/MacDill AFB
- 13,201 USB Air Force GHSF (old SAC 8-394)
- 13,215 USB Air Force GHSF Andrews/MacDill AFB
- 13,244 USB Air Force GHSF
- 5,680 USB search & rescue all military
- 5,496 USB Primary USCG aviation (nights)
- 5,984 USB USCG (primary days) secondary nights
- 6,697 USB U.S. Navy HICOM
- 11,267 USB U.S. Navy HICOM
- 9,023 USB NORAD primary nights
- 13,241 USB STRATCOM (old SAC)
- 3,113 USB STRATCOM Sierra 302
- 13,205 USB STRATCOM
- 13,217 USB STRATCOM X-ray 906
- 13,247 USB Mythic Star/Andrews AFB/STRATCOM
- 24,109 USB ACC (secondary) tactical ops.
- 3,169 USB STRATCOM Alpha Sierra
- 4,495 USB STRATCOM Sierra 304
- 4,721 USB Mythic Star/Andrews AFB
- 48,002 USB Air Force GHSF (discrete)
- 18,046 USB Air Force GHSF
- 5,020 USB STRATCOM Foxtrot
- 17,972 USB STRATCOM (discrete)
- 17,975 USB Air Force GHSF
- 20,631 USB STRATCOM (old SAC Whiskey)
- 20,846 USB ACC tactical (old SAC Charlie Alpha)
- 8,812 USB Navy anti submarine warfare ops.
- 5,197 USB Air Mobility Command (AMC) ops.
- 18,027 USB NORAD
- 11,214 USB NORAD
- 5,297 USB NORAD
- 9,793 USB NORAD
- 10,194 USB NORAD
- 10,452 USB NORAD
- 5,328 USB STRATCOM
- 11,441 USB NORAD
- 14,364 USB NORAD
- 20,855 USB NORAD
- 5,824 USB STRATCOM Papa 382
- 6,826 USB NORAD
- 7,330 USB STRATCOM X-ray-Yankee
- 5,983 USB STRATCOM Foxtrot Charlie
- 8,101 USB STRATCOM Alpha Papa
- 9,057 USB STRATCOM Sierra 309
- 10,452 USB STRATCOM Oscar
- 6,735 USB NORAD Charlie Two
- 6,232 USB NORAD/CAP
- 14,894 USB NORAD
- 58,285 USB NORAD
- 59,383 USB ACC
- 3,365 USB ACC
- 3,394 USB ACC
- 6,474 USB ACC
- 11,016 USB ACC
- 11,014 USB ACC
- 6,715 USB Aerospace Rescue & Recovery Service
- 11,440 USB Aerospace Rescue & Recovery Service
- 4,562 USB Civil Air Patrol (Emergency and calling)
- 4,466 USB Civil Air Patrol (CAP)
- 4,627 USB CAP
- 5,700 USB ACC tactical ops.
- 3,023 USB search & rescue
- 4,416 USB Navy HICOM Pacific Fleet
- 8,711 USB ACC tactical
- 10,267 USB ACC
- 15,065 USB ACC
- 4,700 USB Navy Anti Submarine Warfare Pacific
- 4,702 USB Navy Anti Submarine Warfare Atlantic
- 5,446 USB USMC tactical nets
- 6,687 USB USMC special convoys
- 13,181 USB Navy HICOM Pacific
- 6,673 USB Hurricane Hunters primary nights
- 13,267 USB Hurricane Hunters primary days
- 5,562 USB Hurricane Hunters secondary nights
- 11,510 USB ACC
- 11,240 USB ACC
- 4,540 USB Royal Air Force
- 5,729 USB Royal Air Force
- 6,690 USB Royal Air Force
- 8,730 USB Royal Air Force
- 8,990 USB Royal Air Force
- 11,249 USB Canadian Air Force
- 6,746 USB Canadian Air Force
- 13,257 USB Canadian Air Force
- 5,800 USB ACC tactical/STRATCOM Whiskey 100
- 6,753 USB ACC tactical

96, 8,964 USB ACC tactical (discrete)
 97, 11,627 USB ACC tactical
 98, 17,975 USB Air Force GHSF
 99, 15,041 USB STRATCOM (old SAC Mike channel)
 100, 23,419 USB STRATCOM/NORAD intercommunications