

HAM BAND FREQUENCY USE PLAN

For sharing arrangements, see Section 97.303 of the [FCC Rules](#). For detailed packet frequencies, see [March 1988, page 51](#). Follow this link for [phone patch, autopatch and HF/VHF/UHF operating guidelines](#). Also check out our ["Considerate Operator's Frequency Guide"](#)

160 Meters (1.8-2.0 MHz):

1.800 - 2.000 CW
1.800 - 1.810 Digital Modes
1.810 CW QRP
1.843-2.000 SSB, SSTV and other wideband modes
1.910 SSB QRP
1.995 - 2.000 Experimental
1.999 - 2.000 Beacons

80 Meters (3.5-4.0 MHz):

3.590 RTTY/Data DX
3.570-3.600 RTTY/Data
3.790-3.800 DX window
3.845 SSTV
3.885 AM calling frequency

40 Meters (7.0-7.3 MHz):

7.040 RTTY/Data DX
7.080-7.125 RTTY/Data
7.171 SSTV
7.290 AM calling frequency

30 Meters (10.1-10.15 MHz):

10.130-10.140 RTTY
10.140-10.150 Packet

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20 Meters (14.0-14.35 MHz):

14.070-14.095 RTTY
14.095-14.0995 Packet
14.100 NCDXF Beacons
14.1005-14.112 Packet
14.230 SSTV
14.286 AM calling frequency

17 Meters (18.068-18.168 MHz):

18.100-18.105 RTTY
18.105-18.110 Packet

15 Meters (21.0-21.45 MHz):

21.070-21.110 RTTY/Data
21.340 SSTV

12 Meters (24.89-24.99 MHz):

24.920-24.925 RTTY
24.925-24.930 Packet

10 Meters (28-29.7 MHz):

28.000-28.070 CW
28.070-28.150 RTTY
28.150-28.190 CW
28.200-28.300 Beacons
28.300-29.300 Phone
28.680 SSTV
29.000-29.200 AM

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29.300-29.510 Satellite Downlinks
29.520-29.590 Repeater Inputs
29.600 FM Simplex
29.610-29.700 Repeater Outputs

6 Meters (50-54 MHz):

50.0-50.1	CW, beacons
50.060-50.080	beacon subband
50.1-50.3	SSB, CW
50.10-50.125	DX window
50.125	SSB calling
50.3-50.6	All modes
50.6-50.8	Nonvoice communications
50.62	Digital (packet) calling
50.8-51.0	Radio remote control (20-kHz channels)
51.0-51.1	Pacific DX window
51.12-51.48	Repeater inputs (19 channels)
51.12-51.18	Digital repeater inputs
51.5-51.6	Simplex (six channels)
51.62-51.98	Repeater outputs (19 channels)
51.62-51.68	Digital repeater outputs
52.0-52.48	Repeater inputs (except as noted; 23 channels)
52.02, 52.04	FM simplex
52.2	TEST PAIR (input)
52.5-52.98	Repeater output (except as noted; 23 channels)
52.525	Primary FM simplex
52.54	Secondary FM simplex
52.7	TEST PAIR (output)
53.0-53.48	Repeater inputs (except as noted; 19 channels)
53.0	Remote base FM simplex
53.02	Simplex
53.1, 53.2, 53.3, 53.4	Radio remote control
53.5-53.98	Repeater outputs (except as noted; 19 channels)
53.5, 53.6, 53.7, 53.8	Radio remote control
53.52, 53.9	Simplex

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2 Meters (144-148 MHz):

144.00-144.05	EME (CW)
144.05-144.10	General CW and weak signals
144.10-144.20	EME and weak-signal SSB
144.200	National calling frequency
144.200-144.275	General SSB operation
144.275-144.300	Propagation beacons
144.30-144.50	New OSCAR subband
144.50-144.60	Linear translator inputs
144.60-144.90	FM repeater inputs
144.90-145.10	Weak signal and FM simplex (145.01,03,05,07,09 are widely used for packet)
145.10-145.20	Linear translator outputs
145.20-145.50	FM repeater outputs
145.50-145.80	Miscellaneous and experimental modes
145.80-146.00	OSCAR subband
146.01-146.37	Repeater inputs
146.40-146.58	Simplex
146.52	National Simplex Calling Frequency
146.61-146.97	Repeater outputs
147.00-147.39	Repeater outputs
147.42-147.57	Simplex
147.60-147.99	Repeater inputs

Notes: The frequency 146.40 MHz is used in some areas as a repeater input. This band plan has been proposed by the ARRL VHF-UHF Advisory Committee.

1.25 Meters (222-225 MHz):

222.0-222.150	Weak-signal modes
222.0-222.025	EME
222.05-222.06	Propagation beacons
222.1	SSB & CW calling frequency
222.10-222.15	Weak-signal CW & SSB
222.15-222.25	Local coordinator's option; weak signal, ACSB, repeater inputs, control
222.25-223.38	FM repeater inputs only

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223.40-223.52 FM simplex

223.52-223.64 Digital, packet

223.64-223.70 Links, control

223.71-223.85 Local coordinator's option; FM simplex, packet, repeater outputs

223.85-224.98 Repeater outputs only

Note: The 222 MHz band plan was adopted by the ARRL Board of Directors in July 1991.

70 Centimeters (420-450 MHz):

420.00-426.00 ATV repeater or simplex with 421.25 MHz video carrier control links and experimental

426.00-432.00 ATV simplex with 427.250-MHz video carrier frequency

432.00-432.07 EME (Earth-Moon-Earth)

432.07-432.10 Weak-signal CW

432.10 70-cm calling frequency

432.10-432.30 Mixed-mode and weak-signal work

432.30-432.40 Propagation beacons

432.40-433.00 Mixed-mode and weak-signal work

433.00-435.00 Auxiliary/repeater links

435.00-438.00 Satellite only (internationally)

438.00-444.00 ATV repeater input with 439.250-MHz video carrier frequency and repeater links

442.00-445.00 Repeater inputs and outputs (local option)

445.00-447.00 Shared by auxiliary and control links, repeaters and simplex (local option)

446.00 National simplex frequency

447.00-450.00 Repeater inputs and outputs (local option)

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33 Centimeters (902-928 MHz):

902.0-903.0	Narrow-bandwidth, weak-signal communications
902.0-902.8	SSTV, FAX, ACSSB, experimental
902.1	Weak-signal calling frequency
902.8-903.0	Reserved for EME, CW expansion
903.1	Alternate calling frequency
903.0-906.0	Digital communications
906-909	FM repeater inputs
909-915	ATV
915-918	Digital communications
918-921	FM repeater outputs
921-927	ATV
927-928	FM simplex and links

Note: The 902 MHz band plan was adopted by the ARRL Board of Directors in July 1989

23 Centimeters (1240-1300 MHz):

1240-1246	ATV #1
1246-1248	Narrow-bandwidth FM point-to-point links and digital, duplex with 1258-1260.
1248-1258	Digital Communications
1252-1258	ATV #2
1258-1260	Narrow-bandwidth FM point-to-point links digital, duplexed with 1246-1252
1260-1270	Satellite uplinks, reference WARC '79
1260-1270	Wide-bandwidth experimental, simplex ATV
1270-1276	Repeater inputs, FM and linear, paired with 1282-1288, 239 pairs every 25 kHz, e.g. 1270.025, .050, etc.
1271-1283	Non-coordinated test pair
1276-1282	ATV #3
1282-1288	Repeater outputs, paired with 1270-1276
1288-1294	Wide-bandwidth experimental, simplex ATV
1294-1295	Narrow-bandwidth FM simplex services, 25-kHz channels
1294.5	National FM simplex calling frequency
1295-1297	Narrow bandwidth weak-signal communications (no FM)
1295.0-1295.8	SSTV, FAX, ACSSB, experimental
1295.8-1296.0	Reserved for EME, CW expansion

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1296.00-1296.05	EME-exclusive
1296.07-1296.08	CW beacons
1296.1	CW, SSB calling frequency
1296.4-1296.6	Crossband linear translator input
1296.6-1296.8	Crossband linear translator output
1296.8-1297.0	Experimental beacons (exclusive)
1297-1300	Digital Communications

2300-2310 and 2390-2450 MHz:

2300.0-2303.0	High-rate data
2303.0-2303.5	Packet
2303.5-2303.8	TTY packet
2303.9-2303.9	Packet, TTY, CW, EME
2303.9-2304.1	CW, EME
2304.1	Calling frequency
2304.1-2304.2	CW, EME, SSB
2304.2-2304.3	SSB, SSTV, FAX, Packet AM, Amtor
2304.30-2304.32	Propagation beacon network
2304.32-2304.40	General propagation beacons
2304.4-2304.5	SSB, SSTV, ACSSB, FAX, Packet AM, Amtor experimental
2304.5-2304.7	Crossband linear translator input
2304.7-2304.9	Crossband linear translator output
2304.9-2305.0	Experimental beacons
2305.0-2305.2	FM simplex (25 kHz spacing)
2305.20	FM simplex calling frequency
2305.2-2306.0	FM simplex (25 kHz spacing)
2306.0-2309.0	FM Repeaters (25 kHz) input
2309.0-2310.0	Control and auxiliary links
2390.0-2396.0	Fast-scan TV
2396.0-2399.0	High-rate data
2399.0-2399.5	Packet
2399.5-2400.0	Control and auxiliary links
2400.0-2403.0	Satellite
2403.0-2408.0	Satellite high-rate data

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2408.0-2410.0	Satellite
2410.0-2413.0	FM repeaters (25 kHz) output
2413.0-2418.0	High-rate data
2418.0-2430.0	Fast-scan TV
2430.0-2433.0	Satellite
2433.0-2438.0	Satellite high-rate data
2438.0-2450.0	WB FM, FSTV, FMTV, SS experimental

Note: The 2300 MHz band plan was adopted by the ARRL Board of Directors in January 1991

Note: The following band plans were adopted by the ARRL Board of Directors in July 1988

3300-3500 MHz:

3456.3-3456.4 Propagation beacons

5650-5925 MHz:

5760.3-5760.4 Propagation beacons

10.00-10.50 GHz:

10.368 Narrow band calling frequency 10.3683-10.3684 Propagation beacons

10.3640 Calling frequency

Above 10.50 GHz:*

All modes and licensees (except Novices) are authorized on the following bands:

* US amateurs must check Sections 97.301, 97.303, 97.305 and 97.307 for sharing requirements before operating.