



## Quick Guide to the Shortwave Spectrum

By Larry Van Horn, Assistant/Technical Editor

Copyright © 2007, Larry Van Horn and Monitoring Times

**Note: All frequencies are in kHz..\* Denotes a secondary assignment, stations operation on non-interference basis.**

### Shortwave Broadcast Bands (AM/DRM/USB)

2300-2495		120 Meters
3200-3400		90 Meters
3900-4000		75 Meters
4750-5060	(excluding 4995-5003)	60 Meters
5900-6200	*5730-5900/6200-6395	49 Meters
7100-7350	*6880-6990/7350-7600	41 Meters
9400-9900	*9250-9400/9500-9900	31 Meters
11600-12100	*11500-11600/12100-12160	25 Meters
13570-13870		22 Meters
15100-15800	*15030-15100	19 Meters
17480-17900		16 Meters
18900-19020		15 Meters
21450-21850		13 Meters
25670-26100		11 Meters

### Amateur Radio Bands

<u>CW Segment</u>	<u>Phone Segment (mode)</u>	<u>Meter Band</u>
1800-2000	1843-2000 (LSB)	160 Meters
3500-3600	3600-4000 (LSB)	80 Meters
	5332, 5348, 5368, 5373, 5405 (USB)	60 Meters
7000-7125	7125-7300 (LSB)	40 Meters
10100-10150*		30 Meters
14000-14150	14150-14350 (USB)	20 Meters
18068-18110	18110-18168 (USB)	17 Meters
21000-21200	21200-21450 (USB)	15 Meters
24890-24930	24930-24990 (USB)	12 Meters
28000-28300	28300-29300 (USB)	10 Meters
Satellite Downlinks 29300-29510/29520-29700 (FM)		

### United States Time Zones

<u>UTC</u>	<u>PST</u>	<u>MST</u>	<u>PDT</u>	<u>MDT</u>	<u>CDT</u>	<u>EDT</u>
0000	4PM	5PM	6PM	7PM	8PM	9PM
0100	5PM	6PM	7PM	8PM	9PM	10PM
0200	6PM	7PM	8PM	9PM	10PM	11PM
0300	7PM	8PM	9PM	10PM	11PM	12PM
0400	8PM	9PM	10PM	11PM	12AM	1AM
0500	9PM	10PM	11PM	12AM	1AM	2AM
0600	10PM	11PM	12AM	1AM	2AM	3AM
0700	11PM	12AM	1AM	2AM	3AM	4AM
0800	12AM	1AM	2AM	3AM	4AM	5AM
0900	1AM	2AM	3AM	4AM	5AM	6AM
1000	2AM	3AM	4AM	5AM	6AM	7AM
1100	3AM	4AM	5AM	6AM	7AM	8AM
1200	4AM	5AM	6AM	7AM	8AM	9AM
1300	5AM	6AM	7AM	8AM	9AM	10AM
1400	6AM	7AM	8AM	9AM	10AM	11AM
1500	7AM	8AM	9AM	10AM	11AM	12PM
1600	8AM	9AM	10AM	11AM	12PM	1PM
1700	9AM	10AM	11AM	12PM	1PM	2PM
1800	10AM	11AM	12PM	1PM	2PM	3PM
1900	11AM	12PM	1PM	2PM	3PM	4PM
2000	12PM	1PM	2PM	3PM	4PM	5PM
2100	1PM	2PM	3PM	4PM	5PM	6PM
2200	2PM	3PM	4PM	5PM	6PM	7PM
2300	3PM	4PM	5PM	6PM	7PM	

### Fixed Service Bands

1705-1800	13360-13570
2000-2065	13870-14000
2107-2170	14350-14995
2194-2300	15800-16460
2505-2850	17410-17480
3155-3200	18030-18068
4000-4063	18168-18780
4438-4650	19020-19680
5005-5450	19800-19990
5730-5900	20010-21000
6765-7000	21850-21924
7350-8195	22855-23200
9040-9400	23350-24890
9900-9995	25010-25070
10100-11175	25210-25550
11400-11600	26175-28000
12100-12230	29700-30000

### Aeronautical Bands

<u>Routed</u>	<u>Off Routed</u>
2850-3025	3026-3155
3400-3500	
4650-4700	4700-4750
5450-5680	5680-5730
6525-6685	6685-6765
8815-8965	8965-9040
10005-10100	
11275-11400	11175-11275
13260-13360	13200-13260
	15010-15100
17900-17970	17970-18030
	21924-22000
	23200-23350

### Maritime Bands

2065-2107	16360-17410
2170-2194	18780-18900
4000-4438	19680-19800
6200-6525	22000-22855
8100-8815	25070-25210
12230-13200	26100-26175

### Time Frequencies

2500	3330	3810	5000	7335	7600	10000
14670	15000	20000				

### Radio Astronomy Bands

13360-13410	25550-25670
-------------	-------------

### Industrial, Scientific & Medical (ISM)

6780, 13560 and 27120
-----------------------

### Miscellaneous Bands

MW Broadcast Band (North America)	535-1705 (AM)
Industrial/Business Pool (US)	4637.5 (USB) and 29700-29800 (NFM)
Petroleum Industry (US)	25010-25330 (NFM)
Land Mobile Service (US)	25010-25070 25210-25330 26100-26480 27410-27540 29700-29800
Remote Pickup (US)	25850-26480
Citizens' Band (US)	26960-27410 (AM/USB)
Forestry Service (US)*	27555, 27615, 27635, 27655, 27765 and 27860
Federal Gov Short Distance/Low Power (US)	27575 and 27585