

0-130 kHz (VLF/LF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
Below 9 (Not Allocated) S5.53 S5.54			Below 9 (Not Allocated) S5.53 S5.54		
9-14 RADIONAVIGATION			9-14 RADIONAVIGATION US18 US294		
14-19.95 FIXED MARITIME MOBILE S5.57 S5.55 S5.56			14-19.95 FIXED MARITIME MOBILE S5.57 US294	14-19.95 Fixed US294	International Fixed (23)
19.95-20.05 STANDARD FREQUENCY AND TIME SIGNAL (20 kHz)			19.95-20.05 STANDARD FREQUENCY AND TIME SIGNAL (20 kHz) US294		
20.05-70 FIXED MARITIME MOBILE S5.57 S5.56 S5.58			20.05-59 FIXED MARITIME MOBILE S5.57 US294	20.05-59 FIXED US294	International Fixed (23)
			59-61 STANDARD FREQUENCY AND TIME SIGNAL (60 kHz) US294		
			61-70 FIXED MARITIME MOBILE S5.57 US294	61-70 FIXED US294	International Fixed (23)
70-72 RADIONAVIGATION S5.60 S5.56	70-90 FIXED MARITIME MOBILE S5.57 MARITIME RADIO- NAVIGATION S5.60 Radiolocation	70-72 RADIONAVIGATION S5.60 Fixed Maritime mobile S5.57 S5.59	70-90 FIXED MARITIME MOBILE S5.57 Radiolocation	70-90 FIXED Radiolocation	International Fixed (23) Private Land Mobile (90)
72-84 FIXED MARITIME MOBILE S5.57 RADIONAVIGATION S5.60 S5.56		72-84 FIXED MARITIME MOBILE S5.57 RADIONAVIGATION S5.60			

84-86 RADIONAVIGATION S5.60		84-86 RADIONAVIGATION S5.60 Fixed Maritime mobile S5.57 S5.59		
86-90 FIXED MARITIME MOBILE S5.57 RADIONAVIGATION S5.56	S5.61	86-90 FIXED MARITIME MOBILE S5.57 RADIONAVIGATION S5.60	S5.60 US294	S5.60 US294
90-110 RADIONAVIGATION S5.62 Fixed S5.64		90-110 RADIONAVIGATION S5.62 US18 US104 US294		Private Land Mobile (90)
110-112 FIXED MARITIME MOBILE RADIONAVIGATION S5.64	110-130 FIXED MARITIME MOBILE MARITIME RADIO- NAVIGATION S5.60 Radiolocation	110-112 FIXED MARITIME MOBILE RADIONAVIGATION S5.60 S5.64	110-130 FIXED MARITIME MOBILE Radiolocation	International Fixed (23) Maritime (80) Private Land Mobile (90)
112-115 RADIONAVIGATION S5.60		112-117.6 RADIONAVIGATION S5.60 Fixed Maritime mobile		
115-117.6 RADIONAVIGATION S5.60 Fixed Maritime mobile S5.64 S5.66		S5.64 S5.65		
117.6-126 FIXED MARITIME MOBILE RADIONAVIGATION S5.60 S5.64		117.6-126 FIXED MARITIME MOBILE RADIONAVIGATION S5.60 S5.64		
126-129 RADIONAVIGATION S5.60		126-129 RADIONAVIGATION S5.60 Fixed Maritime mobile S5.64 S5.65		
See next page for 129-130		S5.61 S5.64		

130-505 kHz (LF/MF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
129-130 FIXED MARITIME MOBILE RADIONAVIGATION S5.60 S5.64	See previous page for 110-130 kHz	129-130 FIXED MARITIME MOBILE RADIONAVIGATION S5.60 S5.64	See previous page for 110-130 kHz		See previous page for 110-130 kHz
130-148.5 FIXED MARITIME MOBILE S5.64 S5.67	130-160 FIXED MARITIME MOBILE S5.64	130-160 FIXED MARITIME MOBILE RADIONAVIGATION S5.64	130-160 FIXED MARITIME MOBILE S5.64 US294		International Fixed (23) Maritime (80)
148.5-255 BROADCASTING			160-190 FIXED Aeronautical radionavigation	160-190 FIXED MARITIME MOBILE 459 US294	
S5.68 S5.69 S5.70	190-200 AERONAUTICAL RADIONAVIGATION		190-200 AERONAUTICAL RADIONAVIGATION US18 US226 US294		Aviation (87)
	200-275 AERONAUTICAL RADIONAVIGATION Aeronautical mobile	200-285 AERONAUTICAL RADIONAVIGATION Aeronautical mobile	200-275 AERONAUTICAL RADIONAVIGATION Aeronautical mobile  US18 US294		
255-283.5 BROADCASTING AERONAUTICAL RADIONAVIGATION  S5.70 S5.71	275-285 AERONAUTICAL RADIONAVIGATION Aeronautical mobile Maritime radionavigation (radiobeacons)		275-285 AERONAUTICAL RADIONAVIGATION Aeronautical mobile Maritime radionavigation (radiobeacons)  US18 US294		
283.5-315 AERONAUTICAL RADIONAVIGATION MARITIME RADIONAVIGATION (radiobeacons) S5.73 S5.72 S5.74					

	285-315 AERONAUTICAL RADIONAVIGATION MARITIME RADIONAVIGATION (radiobeacons) S5.73		285-325 MARITIME RADIONAVIGATION (radiobeacons) S5.73 Aeronautical radionavigation (radiobeacons)	
315-325 AERONAUTICAL RADIONAVIGATION Maritime radionavigation (radiobeacons) S5.73  S5.72 S5.75	315-325 MARITIME RADIONAVIGATION (radiobeacons) S5.73 Aeronautical radionavigation	315-325 AERONAUTICAL RADIONAVIGATION MARITIME RADIONAVIGATION (radiobeacons) S5.73	US18 US294 G121	
325-405 AERONAUTICAL RADIONAVIGATION  S5.72	325-335 AERONAUTICAL RADIONAVIGATION Aeronautical mobile Maritime radionavigation (radiobeacons)	325-405 AERONAUTICAL RADIONAVIGATION Aeronautical mobile	325-335 AERONAUTICAL RADIONAVIGATION (radiobeacons) Aeronautical mobile Maritime radionavigation (radiobeacons)  US18 US294	
	335-405 AERONAUTICAL RADIONAVIGATION Aeronautical mobile		335-405 AERONAUTICAL RADIONAVIGATION (radiobeacons) Aeronautical mobile  US18 US294	
405-415 RADIONAVIGATION S5.76  S5.72	405-415 RADIONAVIGATION S5.76 Aeronautical mobile		405-415 RADIONAVIGATION S5.76 Aeronautical mobile  US18 US294	Maritime (80) Aviation (87)
415-435 MARITIME MOBILE S5.79 AERONAUTICAL RADIONAVIGATION  S5.72	415-495 MARITIME MOBILE S5.79 S5.79A Aeronautical radionavigation S5.80		415-435 MARITIME MOBILE S5.79 AERONAUTICAL RADIONAVIGATION S5.80  US294	
435-495 MARITIME MOBILE S5.79 S5.79A Aeronautical radionavigation  S5.72 S5.81 S5.82	S5.77 S5.78 S5.81 S5.82		435-495 MARITIME MOBILE S5.79 Aeronautical radionavigation	Maritime (80)
495-505 MOBILE (distress and calling)  S5.83			471 472A US231 US294	
			495-505 MOBILE (distress and calling)  472	

## 505-2107 kHz (MF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
505-526.5 MARITIME MOBILE S5.79 S5.79A S5.84 AERONAUTICAL RADIONAVIGATION S5.72 S5.81	505-510 MARITIME MOBILE S5.79 S5.81	505-526.5 MARITIME MOBILE S5.79 S5.79A S5.84 AERONAUTICAL RADIONAVIGATION Aeronautical mobile Land mobile S5.81	505-510 MARITIME MOBILE S5.79 471		Maritime (80)
	510-525 MOBILE S5.79A S5.84 AERONAUTICAL RADIONAVIGATION		510-525 MARITIME MOBILE (ships only) 474 AERONAUTICAL RADIONAVIGATION (radiobeacons) US14 US18 US225		Maritime (80) Aviation (87)
	525-535 BROADCASTING S5.86 AERONAUTICAL RADIONAVIGATION	526.5-535 BROADCASTING Mobile S5.88	525-535 AERONAUTICAL RADIONAVIGATION (radiobeacons) MOBILE US221  US18 US239		Aviation (87) Private Land Mobile (90)
526.5-1606.5 BROADCASTING  S5.87 S5.87A	535-1605 BROADCASTING	535-1606.5 BROADCASTING	535-1605	535-1605 BROADCASTING  US321	Radio Broadcasting (AM) (73) Auxiliary Broadcasting (74) Alaska Fixed (80) Private Land Mobile (90) 1610 kHz Travelers Information Service
	1605-1625 BROADCASTING S5.89		1605-1615 MOBILE US221	1605-1705 BROADCASTING 480	
1606.5-1625 FIXED MARITIME MOBILE S5.90 LAND MOBILE  S5.92	S5.90	1606.5-1800 FIXED MOBILE RADIOLOCATION RADIONAVIGATION	US238 G127	1615-1625  US238 US299	
			1625-1705 Radiolocation		
1625-1635 RADIOLOCATION  S5.93	1625-1705 FIXED MOBILE BROADCASTING S5.89 Radiolocation	1625-1705 Radiolocation	US238 US299	US238 US299 US321 NG128	
1635-1800 FIXED MARITIME MOBILE S5.90 LAND MOBILE	S5.90				

S5.92 S5.96	1705-1800 FIXED MOBILE RADIOLOCATION AERONAUTICAL RADIONAVIGATION	S5.91	1705-1800 FIXED MOBILE RADIOLOCATION		International Fixed (23) Maritime (80) Private Land Mobile (90)
1800-1810 RADIOLOCATION  S5.93	1800-1850 AMATEUR	1800-2000 AMATEUR FIXED MOBILE except aeronautical mobile RADIONAVIGATION Radiolocation	1800-1900	1800-1900 AMATEUR	Amateur (97)
1810-1850 AMATEUR  S5.98 S5.99 S5.100 S5.101					
1850-2000 FIXED MOBILE except aeronautical mobile  S5.92 S5.96 S5.103	1850-2000 AMATEUR FIXED MOBILE except aeronautical mobile RADIOLOCATION RADIONAVIGATION  S5.102	S5.97	1900-2000 RADIOLOCATION  US290		Private Land Mobile (90) Amateur (97)
2000-2025 FIXED MOBILE except aeronautical mobile (R) S5.92 S5.103	2000-2065 FIXED MOBILE		2000-2065 FIXED MOBILE  US340	2000-2065 MARITIME MOBILE NG19  US340	Maritime (80)
2025-2045 FIXED MOBILE except aeronautical mobile (R) Meteorological aids S5.104 S5.92 S5.103					
2045-2160 FIXED MARITIME MOBILE LAND MOBILE					
S5.92	2065-2107 MARITIME MOBILE S5.105 S5.106		2065-2107 MARITIME MOBILE S5.105  US296 US340		
	See next page for 2107-2170 kHz		See next page for 2107-2170 kHz		See next page for 2107-2170 kHz

2107-3230 kHz (MF/HF)					
International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
See previous page for 2045-2160 kHz	2107-2170 FIXED MOBILE		2107-2170 FIXED MOBILE  US340	2107-2170 FIXED LAND MOBILE MARITIME MOBILE NG19  US340	International Fixed (23) Maritime (80) Aviation (87) Private Land Mobile (90)
2160-2170 RADIOLOCATION  S5.93 S5.107					
2170-2173.5 MARITIME MOBILE			2170-2173.5 MARITIME MOBILE (telephony)  US340	2170-2173.5 MARITIME MOBILE  US340	Maritime (80)
2173.5-2190.5 MOBILE (distress and calling)  S5.108 S5.109 S5.110 S5.111			2173.5-2190.5 MOBILE (distress and calling)  S5.108 S5.109 S5.110 S5.111 US279 US340		Maritime (80) Aviation (87)
2190.5-2194 MARITIME MOBILE			2190.5-2194 MARITIME MOBILE (telephony)  US340	2190.5-2194 MARITIME MOBILE  US340	Maritime (80)
2194-2300 FIXED MOBILE except aeronautical mobile (R)  S5.92 S5.103 S5.112	2194-2300 FIXED MOBILE  S5.112		2194-2495 FIXED MOBILE  US340	2194-2495 FIXED LAND MOBILE MARITIME MOBILE NG19  US340	International Fixed (23) Maritime (80) Aviation (87) Private Land Mobile (90)
2300-2498 FIXED MOBILE except aeronautical mobile (R) BROADCASTING S5.113  S5.103	2300-2495 FIXED MOBILE BROADCASTING S5.113				
2498-2501 STANDARD FREQUENCY AND TIME SIGNAL (2500 kHz)	2495-2501 STANDARD FREQUENCY AND TIME SIGNAL (2500 kHz)		2495-2501 STANDARD FREQUENCY AND TIME SIGNAL (2500 kHz)  US340		

2501-2502 STANDARD FREQUENCY AND TIME SIGNAL Space research		2501-2502 STANDARD FREQUENCY AND TIME SIGNAL  US340 G106	2501-2502 STANDARD FREQUENCY AND TIME SIGNAL  US340	
2502-2625 FIXED MOBILE except aeronautical mobile (R)  S5.92 S5.103 S5.114	2502-2505 STANDARD FREQUENCY AND TIME SIGNAL		2502-2505 STANDARD FREQUENCY AND TIME SIGNAL  US340	
	2505-2850 FIXED MOBILE	2505-2850 FIXED MOBILE	2505-2850 FIXED LAND MOBILE MARITIME MOBILE	International Fixed (23) Maritime (80) Aviation (87) Private Land Mobile (90)
		2625-2650 MARITIME MOBILE MARITIME RADIONAVIGATION  S5.92		
2650-2850 FIXED MOBILE except aeronautical mobile (R)  S5.92 S5.103		US285 US340	US285 US340	
2850-3025 AERONAUTICAL MOBILE (R)  S5.111 S5.115		2850-3025 AERONAUTICAL MOBILE (R)  S5.111 S5.115 US283 US340		Aviation (87)
3025-3155 AERONAUTICAL MOBILE (OR)		3025-3155 AERONAUTICAL MOBILE (OR)  US340		
3155-3200 FIXED MOBILE except aeronautical mobile (R)  S5.116 S5.117		3155-3230 FIXED MOBILE except aeronautical mobile (R)		International Fixed (23) Maritime (80) Aviation (87) Private Land Mobile (90)
3200-3230 FIXED MOBILE except aeronautical mobile (R) BROADCASTING S5.113  S5.116		US340		



3230-5060 kHz (HF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
3230-3400 FIXED MOBILE except aeronautical mobile BROADCASTING S5.113  S5.116 S5.118			3230-3400 FIXED MOBILE except aeronautical mobile Radiolocation  US340		International Fixed (23) Maritime (80) Aviation (87) Private Land Mobile (90)
3400-3500 AERONAUTICAL MOBILE (R)			3400-3500 AERONAUTICAL MOBILE (R)  US283 US340		Aviation (87)
3500-3800 AMATEUR S5.120 FIXED MOBILE except aeronautical mobile  S5.92	3500-3750 AMATEUR S5.120  S5.119 3750-4000 AMATEUR S5.120 FIXED MOBILE except aeronautical mobile (R)  S5.122 S5.124 S5.125	3500-3900 AMATEUR S5.120 FIXED MOBILE  3900-3950 AERONAUTICAL MOBILE BROADCASTING  3950-4000 FIXED BROADCASTING  S5.126	3500-4000          US340	3500-4000 AMATEUR S5.120          US340	Amateur (97)
3800-3900 FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE					
3900-3950 AERONAUTICAL MOBILE (OR) S5.123					
3950-4000 FIXED BROADCASTING					
4000-4063 FIXED MARITIME MOBILE S5.127  S5.126			4000-4063 MARITIME MOBILE  US236 US340		International Fixed (23) Maritime (80)
4063-4438 MARITIME MOBILE S5.79A S5.109 S5.110 S5.130 S5.131 S5.132  S5.128 S5.129			4063-4438 MARITIME MOBILE S5.109 S5.110 S5.130 S5.132  US82 US296 US340		

4438-4650 FIXED MOBILE except aeronautical mobile (R)		4438-4650 FIXED MOBILE except aeronautical mobile	4438-4650 FIXED MOBILE except aeronautical mobile (R)  US340	International Fixed (23) Maritime (80) Aviation (87) Private Land Mobile (90)
4650-4700 AERONAUTICAL MOBILE (R)			4650-4700 AERONAUTICAL MOBILE (R)  US282 US283 US340	Aviation (87)
4700-4750 AERONAUTICAL MOBILE (OR)			4700-4750 AERONAUTICAL MOBILE (OR)  US340	
4750-4850 FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE BROADCASTING S5.113	4750-4850 FIXED MOBILE except aeronautical mobile (R) BROADCASTING S5.113	4750-4850 FIXED BROADCASTING S5.113 Land mobile	4750-4850 FIXED MOBILE except aeronautical mobile (R)  US340	International Fixed (23) Maritime (80) Aviation (87)
4850-4995 FIXED LAND MOBILE BROADCASTING S5.113		4850-4995 FIXED MOBILE	4850-4995 FIXED	
4995-5003 STANDARD FREQUENCY AND TIME SIGNAL (5000 kHz)			4995-5003 STANDARD FREQUENCY AND TIME SIGNAL (5000 kHz)  US340	
5003-5005 STANDARD FREQUENCY AND TIME SIGNAL Space research		5003-5005 STANDARD FREQUENCY AND TIME SIGNAL	5003-5005 STANDARD FREQUENCY AND TIME SIGNAL	
5005-5060 FIXED BROADCASTING S5.113		5005-5060 FIXED	US340 G106	International Fixed (23) Maritime (80) Aviation (87) Private Land Mobile (90)
			US340	

## 5060-9040 kHz (HF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
5060-5250 FIXED Mobile except aeronautical mobile  S5.133			5060-5450 FIXED Mobile except aeronautical mobile		International Fixed (23) Maritime (80) Aviation (87) Private Land Mobile (90)
5250-5450 FIXED MOBILE except aeronautical mobile			US212 US340		
5450-5480 FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE	5450-5480 AERONAUTICAL MOBILE (R)	5450-5480 FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE	5450-5480 AERONAUTICAL MOBILE (R)  US283 US340		Aviation (87)
5480-5680 AERONAUTICAL MOBILE (R)  S5.111 S5.115			5480-5680 AERONAUTICAL MOBILE (R)  S5.111 S5.115 US283 US340		
5680-5730 AERONAUTICAL MOBILE (OR)  S5.111 S5.115			5680-5730 AERONAUTICAL MOBILE (OR)  S5.111 S5.115 US340		
5730-5900 FIXED LAND MOBILE	5730-5900 FIXED MOBILE except aeronautical mobile (R)	5730-5900 FIXED Mobile except aeronautical mobile (R)	5730-5950 FIXED MOBILE except aeronautical mobile (R)  US340		International Fixed (23) Maritime (80) Aviation (87)
5900-5950 BROADCASTING S5.134  S5.136					
5950-6200 BROADCASTING			5950-6200 BROADCASTING  US340		Radio Broadcast (HF) (73)
6200-6525 MARITIME MOBILE S5.109 S5.110 S5.130 S5.132  S5.137			6200-6525 MARITIME MOBILE S5.109 S5.110 S5.130 S5.132  US82 US296 US340		Maritime (80)
6525-6685 AERONAUTICAL MOBILE (R)			6525-6685 AERONAUTICAL MOBILE (R)  US283 US340		Aviation (87)

6685-6765 AERONAUTICAL MOBILE (OR)			6685-6765 AERONAUTICAL MOBILE (OR)  US340		
6765-7000 FIXED Land mobile S5.139  S5.138			6765-7000 FIXED Mobile  S5.138 US340		ISM Equipment (18) International Fixed (23) Aviation (87)
7000-7100 AMATEUR S5.120 AMATEUR-SATELLITE  S5.140 S5.141			7000-7100  US340	7000-7100 AMATEUR S5.120 AMATEUR-SATELLITE  US340	Amateur (97)
7100-7300 BROADCASTING	7100-7300 AMATEUR S5.120  S5.142	7100-7300 BROADCASTING	7100-7300  US340	7100-7300 AMATEUR S5.120  S5.142 US340	
7300-7350 BROADCASTING S5.134  S5.143			7300-8100 FIXED Mobile  US340		International Fixed (23) Maritime (80) Aviation (87) Private Land Mobile (90)
7350-8100 FIXED Land mobile  S5.144					
8100-8195 FIXED MARITIME MOBILE			8100-8195 MARITIME MOBILE  US236 US340		Maritime (80)
8195-8815 MARITIME MOBILE S5.109 S5.110 S5.132 S5.145  S5.111			8195-8815 MARITIME MOBILE S5.109 S5.110 S5.132 S5.145  S5.111 US82 US296 US340		
8815-8965 AERONAUTICAL MOBILE (R)			8815-8965 AERONAUTICAL MOBILE (R)  US340		Aviation (87)
8965-9040 AERONAUTICAL MOBILE (OR)			8965-9040 AERONAUTICAL MOBILE (OR)  US340		

## 9040-13410 kHz (HF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
9040-9400 FIXED			9040-9500 FIXED		International Fixed (23) Maritime (80) Aviation (87)
9400-9500 BROADCASTING S5.134 S5.146			US340		
9500-9900 BROADCASTING S5.147			9500-9900 BROADCASTING S5.147 S5.148 US235 US340		International Fixed (23) Radio Broadcast (HF) (73)
9900-9995 FIXED			9900-9995 FIXED US340		International Fixed (23) Aviation (87)
9995-10003 STANDARD FREQUENCY AND TIME SIGNAL (10000 kHz) S5.111			9995-10003 STANDARD FREQUENCY AND TIME SIGNAL (10000 kHz) S5.111 US340		
10003-10005 STANDARD FREQUENCY AND TIME SIGNAL Space research S5.111			10003-10005 STANDARD FREQUENCY AND TIME SIGNAL S5.111 US340 G106	10003-10005 STANDARD FREQUENCY AND TIME SIGNAL S5.111 US340	
10005-10100 AERONAUTICAL MOBILE (R) S5.111			10005-10100 AERONAUTICAL MOBILE (R) S5.111 US283 US340		Aviation (87)
10100-10150 FIXED Amateur S5.120			10100-10150 US247 US340	10100-10150 AMATEUR S5.120 US247 US340	Amateur (97)
10150-11175 FIXED Mobile except aeronautical mobile (R)			10150-11175 FIXED Mobile except aeronautical mobile (R) US340		International Fixed (23) Aviation (87)
11175-11275 AERONAUTICAL MOBILE (OR)			11175-11275 AERONAUTICAL MOBILE (OR) US340		

11275-11400 AERONAUTICAL MOBILE (R)	11275-11400 AERONAUTICAL MOBILE (R)  US283 US340	Aviation (87)
11400-11600 FIXED	11400-11650 FIXED  US340	International Fixed (23) Aviation (87)
11600-11650 BROADCASTING S5.134  S5.146		
11650-12050 BROADCASTING  S5.147	11650-12050 BROADCASTING  US235 US340	International Fixed (23) Radio Broadcast (HF) (73)
12050-12100 BROADCASTING S5.134  S5.146	12050-12230 FIXED  US340	International Fixed (23) Aviation (87)
12100-12230 FIXED		
12230-13200 MARITIME MOBILE S5.109 S5.110 S5.132 S5.145	12230-13200 MARITIME MOBILE S5.109 S5.110 S5.132 S5.145  US82 US296 US340	International Fixed (23) Maritime (80)
13200-13260 AERONAUTICAL MOBILE (OR)	13200-13260 AERONAUTICAL MOBILE (OR)  US340	
13260-13360 AERONAUTICAL MOBILE (R)	13260-13360 AERONAUTICAL MOBILE (R)  US283 US340	Aviation (87)
13360-13410 FIXED RADIO ASTRONOMY  S5.149	13360-13410 RADIO ASTRONOMY  S5.149 G115	13360-13410 RADIO ASTRONOMY  S5.149

## 13410-17900 kHz (HF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
13410-13570 FIXED Mobile except aeronautical mobile (R)  S5.150			13410-13570 FIXED Mobile except aeronautical mobile (R)  S5.150 US340	13410-13570 FIXED  S5.150 US340	ISM Equipment (18) International Fixed (23) Aviation (87)
13570-13600 BROADCASTING S5.134  S5.151			13570-13600 FIXED Mobile except aeronautical mobile (R)  US340	13570-13600 FIXED  US340	International Fixed (23) Aviation (87)
13600-13800 BROADCASTING			13600-13800 BROADCASTING  S5.148 US340		International Fixed (23) Radio Broadcast (HF) (73)
13800-13870 BROADCASTING S5.134  S5.151			13800-14000 FIXED Mobile except aeronautical mobile (R)  US340	13800-14000 FIXED  US340	International Fixed (23) Aviation (87)
13870-14000 FIXED Mobile except aeronautical mobile (R)					
14000-14250 AMATEUR S5.120 AMATEUR-SATELLITE			14000-14350  US340	14000-14250 AMATEUR S5.120 AMATEUR-SATELLITE  US340	Amateur (97)
14250-14350 AMATEUR S5.120  S5.152				14250-14350 AMATEUR S5.120  US340	
14350-14990 FIXED Mobile except aeronautical mobile (R)			14350-14990 FIXED Mobile except aeronautical mobile (R)  US340	14350-14990 FIXED  US340	International Fixed (23) Aviation (87)
14990-15005 STANDARD FREQUENCY AND TIME SIGNAL (15000 kHz)  S5.111			14990-15005 STANDARD FREQUENCY AND TIME SIGNAL (15000 kHz)  S5.111 US340		

15005-15010 STANDARD FREQUENCY AND TIME SIGNAL Space research	15005-15010 STANDARD FREQUENCY AND TIME SIGNAL  US340 G106	15005-15010 STANDARD FREQUENCY AND TIME SIGNAL  US340	
15010-15100 AERONAUTICAL MOBILE (OR)	15010-15100 AERONAUTICAL MOBILE (OR)  US340		
15100-15600 BROADCASTING	15100-15600 BROADCASTING  S5.148 US340		International Fixed (23) Radio Broadcast (HF) (73)
15600-15800 BROADCASTING S5.134  S5.146	15600-16360 FIXED   US340		International Fixed (23) Aviation (87)
15800-16360 FIXED  S5.153			
16360-17410 MARITIME MOBILE S5.109 S5.110 S5.132 S5.145	16360-17410 MARITIME MOBILE S5.109 S5.110 S5.132 S5.145  US82 US296 US340		Maritime (80)
17410-17480 FIXED	17410-17550 FIXED   US340		International Fixed (23) Aviation (87)
17480-17550 BROADCASTING S5.134  S5.146			
17550-17900 BROADCASTING	17550-17900 BROADCASTING  S5.148 US340		International Fixed (23) Radio Broadcast (HF) (73)



## 17900-22855 kHz (HF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
17900-17970 AERONAUTICAL MOBILE (R)			17900-17970 AERONAUTICAL MOBILE (R)  US283 US340		Aviation (87)
17970-18030 AERONAUTICAL MOBILE (OR)			17970-18030 AERONAUTICAL MOBILE (OR)  US340		
18030-18052 FIXED			18030-18068 FIXED		International Fixed (23) Maritime (80)
18052-18068 FIXED Space research			US340		
18068-18168 AMATEUR S5.120 AMATEUR-SATELLITE  S5.154			18068-18168  US340	18068-18168 AMATEUR S5.120 AMATEUR-SATELLITE  US340	International Fixed (23) Amateur (97)
18168-18780 FIXED Mobile except aeronautical mobile			18168-18780 FIXED Mobile  US340		International Fixed (23) Maritime (80) Aviation (87)
18780-18900 MARITIME MOBILE			18780-18900 MARITIME MOBILE  US82 US296 US340		International Fixed (23) Maritime (80)
18900-19020 BROADCASTING S5.134  S5.146			18900-19680 FIXED		International Fixed (23) Aviation (87)
19020-19680 FIXED			US340		
19680-19800 MARITIME MOBILE S5.132			19680-19800 MARITIME MOBILE S5.132  US340		Maritime (80)
19800-19990 FIXED			19800-19990 FIXED  US340		International Fixed (23) Aviation (87)

19990-19995 STANDARD FREQUENCY AND TIME SIGNAL Space research  S5.111	19990-19995 STANDARD FREQUENCY AND TIME SIGNAL Space research G106  S5.111 US340	19990-19995 STANDARD FREQUENCY AND TIME SIGNAL Space research  S5.111 US340	
19995-20010 STANDARD FREQUENCY AND TIME SIGNAL (20000 kHz)  S5.111	19995-20010 STANDARD FREQUENCY AND TIME SIGNAL (20000 kHz)  S5.111 US340 G106	19995-20010 STANDARD FREQUENCY AND TIME SIGNAL (20000 kHz)  S5.111 US340	
20010-21000 FIXED Mobile	20010-21000 FIXED Mobile  US340	20010-21000 FIXED  US340	
21000-21450 AMATEUR S5.120 AMATEUR-SATELLITE	21000-21450  US340	21000-21450 AMATEUR S5.120 AMATEUR-SATELLITE  US340	Amateur (97)
21450-21850 BROADCASTING	21450-21850 BROADCASTING  S5.148 US340		International Fixed (23) Radio Broadcast (HF) (73)
21850-21870 FIXED S5.155A  S5.155	21850-21924 FIXED  US340		International Fixed (23) Aviation (87)
21870-21924 FIXED S5.155B			
21924-22000 AERONAUTICAL MOBILE (R)	21924-22000 AERONAUTICAL MOBILE (R)  US340		Aviation (87)
22000-22855 MARITIME MOBILE S5.132  S5.156	22000-22855 MARITIME MOBILE S5.132  US82 US296 US340		International Fixed (23) Maritime (80)

## 22855-26175 kHz (HF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
22855-23000 FIXED S5.156			22855-23000 FIXED US340		International Fixed (23) Aviation (87)
23000-23200 FIXED Mobile except aeronautical mobile (R) S5.156			23000-23200 FIXED Mobile except aeronautical mobile (R) US340	23000-23200 FIXED US340	
23200-23350 FIXED S5.156A AERONAUTICAL MOBILE (OR)			23200-23350 AERONAUTICAL MOBILE (OR) US340		
23350-24000 FIXED MOBILE except aeronautical mobile S5.157			23350-24890 FIXED MOBILE except aeronautical mobile US340	23350-24890 FIXED US340	International Fixed (23) Aviation (87)
24000-24890 FIXED LAND MOBILE					
24890-24990 AMATEUR S5.120 AMATEUR-SATELLITE			24890-24990 US340	24890-24990 AMATEUR S5.120 AMATEUR-SATELLITE US340	Amateur (97)
24990-25005 STANDARD FREQUENCY AND TIME SIGNAL (25000 kHz)			24990-25005 STANDARD FREQUENCY AND TIME SIGNAL (25000 kHz) US340		
25005-25010 STANDARD FREQUENCY AND TIME SIGNAL Space research			25005-25010 STANDARD FREQUENCY AND TIME SIGNAL US340 G106	25005-25010 STANDARD FREQUENCY AND TIME SIGNAL US340	
25010-25070 FIXED MOBILE except aeronautical mobile			25010-25070 US340	25010-25070 LAND MOBILE US340 NG112	Private Land Mobile (90)

25070-25210 MARITIME MOBILE	25070-25210 MARITIME MOBILE  US82 US281 US296 US340	25070-25210 MARITIME MOBILE  US82 US281 US296 US340 NG112	Maritime (80) Private Land Mobile (90)
25210-25550 FIXED MOBILE except aeronautical mobile	25210-25330  US340	25210-25330 LAND MOBILE  US340	Private Land Mobile (90)
	25330-25550 FIXED MOBILE except aeronautical mobile  US340	25330-25550  US340	
25550-25670 RADIO ASTRONOMY  S5.149	25550-25670 RADIO ASTRONOMY US74  S5.149		
25670-26100 BROADCASTING	25670-26100 BROADCASTING  US25 US340		Radio Broadcast (HF) (73) Remote Pickup (74D)
26100-26175 MARITIME MOBILE S5.132	26100-26175 MARITIME MOBILE S5.132  US340		Auxiliary Broadcasting (74) Maritime (80)

## 25175-33 MHz (HF/VHF)

International Table			United States Table		Remarks			
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government				
26175-27500 FIXED MOBILE except aeronautical mobile			26175-26480  US340	26175-26480 LAND MOBILE  US340	Auxiliary Broadcasting (74)			
			26480-26950 FIXED MOBILE except aeronautical mobile  US10 US340	26480-26950  US10 US340				
			26950-27410  S5.150 US340	26950-26960 FIXED  S5.150 US340	ISM Equipment (18) International Fixed (23)			
				26960-27230 MOBILE except aeronautical mobile  S5.150 US340	ISM Equipment (18) Personal Radio (95)			
				27230-27410 FIXED MOBILE except aeronautical mobile  S5.150 US340	ISM Equipment (18) Private Land Mobile (90) Personal Radio (95)			
			S5.150			27410-27540  US340	27410-27540 FIXED LAND MOBILE  US340	Private Land Mobile (90)
						27500-28000 METEOROLOGICAL AIDS FIXED MOBILE  US298 US340	27540-28000 FIXED MOBILE  US298 US340	

28-29.7 AMATEUR AMATEUR-SATELLITE	28-29.89	28-29.7 AMATEUR AMATEUR-SATELLITE US340	Amateur (97)
29.7-30.005 FIXED MOBILE		29.7-29.8 LAND MOBILE US340	Private Land Mobile (90)
	US340	29.8-29.89 FIXED US340	International Fixed (23) Aviation (87)
	29.89-29.91 FIXED MOBILE US340	29.89-29.91 US340	
	29.91-30 US340	29.91-30 FIXED US340	International Fixed (23) Aviation (87)
30.005-30.01 SPACE OPERATION (satellite identification) FIXED MOBILE SPACE RESEARCH	30-30.56 FIXED MOBILE	30-30.56	
30.01-37.5 FIXED MOBILE	30.56-32	30.56-32 FIXED LAND MOBILE NG124	Private Land Mobile (90)
	32-33 FIXED MOBILE	32-33	

## 33-50 MHz (VHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
See previous page for 30.01-37.5 MHz			33-34	33-34 FIXED LAND MOBILE NG124	Private Land Mobile (90)
			34-35 FIXED MOBILE	34-35	
			35-36	35-36 FIXED LAND MOBILE	Public Mobile (22) Private Land Mobile (90)
			36-37 FIXED MOBILE  US220	36-37  US220	
			37-37.5	37-37.5 LAND MOBILE NG124	Private Land Mobile (90)
37.5-38.25 FIXED MOBILE Radio astronomy  S5.149			37.5-38 Radio astronomy  S5.149	37.5-38 LAND MOBILE Radio astronomy S5.149 NG59 NG124	
			38-38.25 FIXED MOBILE RADIO ASTRONOMY	38-38.25 RADIO ASTRONOMY	
			S5.149 US81	S5.149 US81	
38.25-39.986 FIXED MOBILE			38.25-39 FIXED MOBILE	38.25-39	
			39-40	39-40 LAND MOBILE NG124	Private Land Mobile (90)
39.986-40.02 FIXED MOBILE Space research			40-42 FIXED MOBILE	40-40.98	ISM Equipment (18)

40.02-40.98 FIXED MOBILE  S5.150					
40.98-41.015 FIXED MOBILE Space research  S5.160 S5.161				S5.150 US210 40.98-42	
41.015-44 FIXED MOBILE          S5.160 S5.161			S5.150 US210 US220	US220	
44-47 FIXED MOBILE          S5.162 S5.162A			42-46.6	42-43.69 FIXED LAND MOBILE  NG124 NG141	Public Mobile (22) Private Land Mobile (90)
				43.69-46.6 LAND MOBILE  NG124 NG141	Private Land Mobile (90)
47-68 BROADCASTING          S5.162A S5.163 S5.164 S5.165 S5.169 S5.171			47-50 FIXED MOBILE	47-50 FIXED MOBILE BROADCASTING	
			47-49.6	47-49.6 LAND MOBILE  NG124	Private Land Mobile (90)
See next page for 50-68 MHz			46.6-47 FIXED MOBILE	46.6-47	
			49.6-50 FIXED MOBILE	49.6-50	
See next page for 50-73 MHz			See next page for 50-73 MHz	See next page for 50-72 MHz	See next page for 50-72 MHz



50-123.5875 (VHF)

International Table			United States Table		Remarks	
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government		
See previous page for 47-68 MHz	50-54 AMATEUR  S5.166 S5.167 S5.168 S5.170		50-73	50-54 AMATEUR	Amateur (97)	
	54-68 BROADCASTING Fixed Mobile S5.172	54-68 FIXED MOBILE BROADCASTING		54-72 BROADCASTING	Broadcast Radio (TV) (73) Auxiliary Broadcasting (74)	
68-74.8 FIXED MOBILE except aeronautical mobile       S5.149 S5.174 S5.175 S5.177 S5.179	68-72 BROADCASTING Fixed Mobile  S5.173	68-74.8 FIXED MOBILE       S5.149 S5.176 S5.179	NG128 NG149	72-73 FIXED MOBILE  NG3 NG49 NG56	Public Mobile (22) Private Land Mobile (90) Personal Radio (95)	
	72-73 FIXED MOBILE					
	73-74.6 RADIO ASTRONOMY  S5.178					73-74.6 RADIO ASTRONOMY US74
	74.6-74.8 FIXED MOBILE					74.6-74.8 FIXED MOBILE  US273
74.8-75.2 AERONAUTICAL RADIONAVIGATION  S5.180 S5.181			74.8-75.2 AERONAUTICAL RADIONAVIGATION  S5.180		Aviation (87)	
75.2-87.5 FIXED MOBILE except aeronautical mobile	75.2-75.4 FIXED MOBILE  S5.179		75.2-75.4 FIXED MOBILE  US273		Private Land Mobile (90)	

S5.175 S5.179 S5.184 S5.187	75.4-76 FIXED MOBILE	75.4-87 FIXED MOBILE	75.4-88	75.4-76 FIXED MOBILE NG3 NG49 NG56	Public Mobile (22) Private Land Mobile (90) Personal Radio (95)	
	76-88 BROADCASTING Fixed Mobile	S5.149 S5.182 S5.183 S5.188		76-88 BROADCASTING		Broadcast Radio (TV) (73) Auxiliary Broadcasting (74)
	87-100 FIXED MOBILE BROADCASTING	87-100 FIXED MOBILE BROADCASTING		NG128 NG129 NG149		
87.5-100 BROADCASTING	S5.185		88-108 BROADCASTING	88-108 BROADCASTING	Broadcast Radio (FM) (73) Auxiliary Broadcasting (74)	
S5.190	88-100 BROADCASTING	88-108 BROADCASTING				US93 NG2 NG128 NG129
100-108 BROADCASTING S5.192 S5.194			108-117.975 AERONAUTICAL RADIONAVIGATION S5.197	108-117.975 AERONAUTICAL RADIONAVIGATION US93 G126	Note: Footnote G126 states that DGPS stations may be authorized on a primary basis in this band, but the FCC has not yet addressed this footnote.	
117.975-137 AERONAUTICAL MOBILE (R)			117.975-121.9375 AERONAUTICAL MOBILE (R) S5.111 S5.199 S5.200 591 US26 US28	121.9375-123.0875 AERONAUTICAL MOBILE	Aviation (87)	
			121.9375-123.0875	591 US30 US31 US33 US80 US102 US213		
			123.0875-123.5875 AERONAUTICAL MOBILE S5.200 591 US32 US33 US112	591 US30 US31 US33 US80 US102 US213		
S5.111 S5.198 S5.199 S5.200 S5.201 S5.202 S5.203 S5.203A S5.203B			See next page for 123.5875-137 MHz		See next page for 123.5875-137 MHz	

## 123.5875-148 MHz (VHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
See previous page for 117.975-137 MHz			123.5875-128.8125 AERONAUTICAL MOBILE (R) 591 US26		Aviation (87)
			128.8125-132.0125 591	128.8125-132.0125 AERONAUTICAL MOBILE (R) 591	
			132.0125-136.00 AERONAUTICAL MOBILE (R) 591 US26		
			136-137 591 US244	136-137 AERONAUTICAL MOBILE (R) 591 US244	
137-137.025 SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) S5.208A S5.209 SPACE RESEARCH (space-to-Earth) Fixed Mobile except aeronautical mobile (R)  S5.204 S5.205 S5.206 S5.207 S5.208			137-137.025 SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 599B US318 US319 US320 SPACE RESEARCH (space-to-Earth)  599A		Satellite Communications (25)
137.025-137.175 SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Fixed Mobile-satellite (space-to-Earth) S5.208A S5.209 Mobile except aeronautical mobile (R)  S5.204 S5.205 S5.206 S5.207 S5.208			137.025-137.175 SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-earth) Mobile-satellite (space-to-Earth) 599B US318 US319 US320  599A		Satellite Communications (25)
137.175-137.825 SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) S5.208A S5.209 SPACE RESEARCH (space-to-Earth) Fixed Mobile except aeronautical mobile (R)  S5.204 S5.205 S5.206 S5.207 S5.208			137.175-137.825 SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 599B US318 US319 US320 SPACE RESEARCH (space-to-Earth)  599A		

137.825-138 SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Fixed Mobile-satellite (space-to-Earth) S5.208A S5.209 Mobile except aeronautical mobile (R) S5.204 S5.205 S5.206 S5.207 S5.208			137.825-138 SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Mobile-satellite (space-to-Earth) 599B US318 US319 US320 599A		
138-143.6 AERONAUTICAL MOBILE (OR) S5.210 S5.211 S5.212 S5.214	138-143.6 FIXED MOBILE RADIOLOCATION Space research (space-to-Earth)	138-143.6 FIXED MOBILE Space research (space-to-Earth) S5.207 S5.213	138-144 FIXED MOBILE	138-144	
143.6-143.65 AERONAUTICAL MOBILE (OR) SPACE RESEARCH (space-to-Earth) S5.211 S5.212 S5.214	143.6-143.65 FIXED MOBILE RADIOLOCATION SPACE RESEARCH (space-to-Earth)	143.6-143.65 FIXED MOBILE SPACE RESEARCH (space-to-Earth) S5.207 S5.213			
143.65-144 AERONAUTICAL MOBILE (OR) S5.210 S5.211 S5.212 S5.214	143.65-144 FIXED MOBILE RADIOLOCATION Space research (space-to-Earth)	143.65-144 FIXED MOBILE Space research (space-to-Earth) S5.207 S5.213			
144-146 AMATEUR S5.120 AMATEUR-SATELLITE S5.216			144-148	144-146 AMATEUR 510 AMATEUR-SATELLITE	Amateur (97)
146-148 FIXED MOBILE except aeronautical mobile (R)	146-148 AMATEUR S5.217	146-148 AMATEUR FIXED MOBILE S5.217		146-148 AMATEUR	

## 148-162.0125 MHz (VHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
148-149.9 FIXED MOBILE except aeronautical mobile (R) MOBILE-SATELLITE (Earth-to-space) S5.209  S5.218 S5.219 S5.221	148-149.9 FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) S5.209  S5.218 S5.219 S5.221		148-149.9 FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) 599B US319 US320 US323 US325  S5.218 608A US10 G30	148-149.9 MOBILE-SATELLITE (Earth-to-space) 599B US319 US320 US323 US325  S5.218 608A US10	Satellite Communications (25)
149.9-150.05 MOBILE-SATELLITE (Earth-to-space) S5.209 S5.224A RADIONAVIGATION-SATELLITE S5.224B  S5.220 S5.222 S5.223			149.9-150.05 MOBILE-SATELLITE (Earth-to-space) 599B US319 US322 RADIONAVIGATION-SATELLITE  S5.223 608B		
150.05-153 FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY  S5.149	150.05-156.7625 FIXED MOBILE		150.05-150.8 FIXED MOBILE  US216 G30	150.05-150.8   US216	
			150.8-152.855   US216	150.8-152.855 FIXED LAND MOBILE  US216 NG4 NG51 NG112 NG124	Public Mobile (22) Private Land Mobile (90) Personal Radio (95)
			152.855-154   S5.226	152.855-154 LAND MOBILE  NG4 NG124	Auxiliary Broadcasting (74) Private Land Mobile (90)
153-154 FIXED MOBILE except aeronautical mobile (R) Meteorological aids			154-156.2475   S5.226	154-156.2475 FIXED LAND MOBILE  S5.226 NG112 NG117 NG124 NG148	Maritime (80) Private Land Mobile (90) Personal Radio (95)
154-156.7625 FIXED MOBILE except aeronautical mobile (R)  S5.226 S5.227			156.2475-157.0375	156.2475-157.0375 MARITIME MOBILE	

156.7625-156.8375 MARITIME MOBILE (distress and calling)				
S5.111 S5.226				
156.8375-174 FIXED MOBILE except aeronautical mobile	156.8375-174 FIXED MOBILE	S5.226 S5.227 US77 US106 US107 US266	S5.226 S5.227 US77 US106 US107 US266 NG117	
		157.0375-157.1875 MARITIME MOBILE	157.0375-157.1875	Private Land Mobile (90)
		S5.226 US214 US266 G109	S5.226 US214 US266	
		157.1875-157.45	157.1875-157.45 LAND MOBILE MARITIME MOBILE	Maritime (80) Private Land Mobile (90)
		S5.226 US223 US266	S5.226 US223 US266 NG111	
		157.45-161.575	157.45-161.575 FIXED LAND MOBILE	Public Mobile (22) Maritime (80) Private Land Mobile (90)
		S5.226 US266	S5.226 US266 NG6 NG28 NG70 NG111 NG112 NG124 NG148 NG155	
		161.575-161.625	161.575-161.625 MARITIME MOBILE	Public Mobile (22) Maritime (80)
		S5.226 US77	S5.226 US77 NG6 NG17	
161.625-161.775	161.625-161.775 LAND MOBILE	Public Mobile (22) Auxiliary Broadcasting (74)		
S5.226	S5.226 NG6			
161.775-162.0125	161.775-162.0125 LAND MOBILE MARITIME MOBILE	Public Mobile (22) Maritime (80) Private Land Mobile (90)		
S5.226 US266	S5.226 US266 NG6			
S5.226 S5.229	S5.226 S5.230 S5.231 S5.232	See next page for 162.0125-174 MHz	See next page for 162.0125-174 MHz	

162.0125-322 MHz (VHF/UHF)

International Table			United States Table		Remarks	
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government		
See previous page for 156.8375-174 MHz			162.0125-173.2 FIXED MOBILE	162.0125-173.2	Auxiliary Broadcasting (74) Private Land Mobile (90)	
			S5.226 US8 US11 US13 US216 US223 US300 US312 G5	S5.226 US8 US11 US13 US216 US223 US300 US312		
			173.2-173.4	173.2-173.4 FIXED Land mobile	Private Land Mobile (90)	
			173.4-174 FIXED MOBILE  G5	173.4-174		
174-223 BROADCASTING	174-216 BROADCASTING Fixed Mobile  S5.234	174-223 FIXED MOBILE BROADCASTING	174-216	174-216 BROADCASTING  NG115 NG128 NG149	Broadcast Radio (TV) (73) Auxiliary Broadcasting (74)	
	216-220 FIXED MARITIME MOBILE Radiolocation S5.241  S5.242		216-220 MARITIME MOBILE Fixed Radiolocation S5.241 G2 Aeronautical mobile Land mobile  US210 US229 US274 US317	216-220 MARITIME MOBILE Fixed Aeronautical mobile Land mobile  US210 US229 US274 US317 NG152		Maritime (80) Private Land Mobile (90) Personal Radio (95) Amateur (97)  Note: 216-220 MHz will become a mixed-use band in January 2002
	220-225 AMATEUR FIXED MOBILE Radiolocation S5.241		220-222 FIXED LAND MOBILE Radiolocation S5.241 G2  US335	220-222 FIXED LAND MOBILE  US335	Private Land Mobile (90)	
	S5.235 S5.237 S5.243		S5.233 S5.238 S5.240 S5.245	222-225 Radiolocation S5.241 G2		222-225 AMATEUR

223-230 BROADCASTING Fixed Mobile  S5.243 S5.246 S5.247	225-235 FIXED MOBILE	223-230 FIXED MOBILE BROADCASTING AERONAUTICAL RADIONAVIGATION Radiolocation  S5.250	225-235 FIXED MOBILE	225-235	
230-235 FIXED MOBILE  S5.247 S5.251 S5.252		230-235 FIXED MOBILE AERONAUTICAL RADIONAVIGATION  S5.250	G27		
235-267 FIXED MOBILE  S5.111 S5.199 S5.252 S5.254 S5.256		235-267 FIXED MOBILE  S5.111 S5.199 S5.256 G27 G100		235-267  S5.111 S5.199 S5.256	
267-272 FIXED MOBILE Space operation (space-to-Earth) S5.254 S5.257		267-322 FIXED MOBILE		267-322	
272-273 SPACE OPERATION (space-to-Earth) FIXED MOBILE S5.254					
273-312 FIXED MOBILE S5.254					
312-315 FIXED MOBILE Mobile-satellite (Earth-to-space) S5.254 S5.255		G27 G100			
See next page for 315-322 MHz					



## 322-410 MHz (UHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
315-322 FIXED MOBILE  S5.254			See previous page for 267-322 MHz		See previous page for 267-322 MHz
322-328.6 FIXED MOBILE RADIO ASTRONOMY  S5.149			322-328.6 FIXED MOBILE  S5.149 G27	322-328.6   S5.149	
328.6-335.4 AERONAUTICAL RADIONAVIGATION S5.258  S5.259			328.6-335.4 AERONAUTICAL RADIONAVIGATION S5.258		
335.4-387 FIXED MOBILE  S5.254			335.4-399.9 FIXED MOBILE   G27 G100	335.4-399.9	
387-390 FIXED MOBILE Mobile-satellite (space-to-Earth) S5.208A S5.254 S5.255					
390-399.9 FIXED MOBILE  S5.254					
399.9-400.05 MOBILE-SATELLITE (Earth-to-space) S5.209 A5.224A RADIONAVIGATION-SATELLITE S5.222 S5.224B S5.260  S5.220			399.9-400.05 MOBILE-SATELLITE (Earth-to-space) US319 US322 RADIONAVIGATION-SATELLITE  S5.260		
400.05-400.15 STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE (400.1 MHz)  S5.261 S5.262			400.05-400.15 STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE (400.1 MHz)  S5.261		

<p>400.15-401  METEOROLOGICAL AIDS  METEOROLOGICAL-SATELLITE (space-to-Earth)  MOBILE-SATELLITE (space-to-Earth) S5.208A S5.209  SPACE RESEARCH (space-to-Earth) S5.263  Space operation (space-to-Earth)</p> <p>S5.262 S5.264</p>	<p>400.15-401  METEOROLOGICAL AIDS  (radiosonde)  METEOROLOGICAL-SAT-  ELLITE (space-to-Earth)  MOBILE-SATELLITE  (space-to-Earth) 599B  US319 US320 US324  SPACE RESEARCH  (space-to-Earth) S5.263  Space operation  (space-to-Earth)</p> <p>647B US70</p>	<p>400.15-401  METEOROLOGICAL AIDS  (radiosonde)  MOBILE-SATELLITE  (space-to-Earth) 599B  US319 US320 US324  SPACE RESEARCH  (space-to-Earth) S5.263  Space operation  (space-to-Earth)</p> <p>647B US70</p>	<p>Satellite  Communications (25)</p>
<p>401-402  METEOROLOGICAL AIDS  SPACE OPERATION (space-to-Earth)  EARTH EXPLORATION-SATELLITE (Earth-to-space)  METEOROLOGICAL-SATELLITE (Earth-to-space)  Fixed  Mobile except aeronautical mobile</p>	<p>401-402  METEOROLOGICAL AIDS (radiosonde)  SPACE OPERATION (space-to-Earth)  Earth exploration-satellite (Earth-to-space)  Meteorological-satellite (Earth-to-space)</p> <p>US70</p>		
<p>402-403  METEOROLOGICAL AIDS  EARTH EXPLORATION-SATELLITE (Earth-to-space)  METEOROLOGICAL-SATELLITE (Earth-to-space)  Fixed  Mobile except aeronautical mobile</p>	<p>402-403  METEOROLOGICAL AIDS (radiosonde) US70  Earth exploration-satellite (Earth-to-space)  Meteorological-satellite (Earth-to-space)</p> <p>US345</p>		<p>Personal Radio (95)</p>
<p>403-406  METEOROLOGICAL AIDS  Fixed  Mobile except aeronautical mobile</p>	<p>403-406  METEOROLOGICAL AIDS  (radiosonde) US70</p> <p>US345 G6</p>	<p>403-406  METEOROLOGICAL AIDS  (radiosonde) US70</p> <p>US345</p>	
<p>406-406.1  MOBILE-SATELLITE (Earth-to-space)</p> <p>S5.266 S5.267</p>	<p>406-406.1  MOBILE-SATELLITE (Earth-to-space)</p> <p>S5.266 S5.267</p>		
<p>406.1-410  FIXED  MOBILE except aeronautical mobile  RADIO ASTRONOMY</p> <p>S5.149</p>	<p>406.1-410  FIXED  MOBILE  RADIO ASTRONOMY US74</p> <p>US13 US117 G5 G6</p>	<p>406.1-410  RADIO ASTRONOMY US74</p> <p>US13 US117</p>	

410-470 MHz (UHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
410-420 FIXED MOBILE except aeronautical mobile SPACE RESEARCH (space-to-space) S5.268			410-420 FIXED MOBILE SPACE RESEARCH (space-to-space) S5.268  US13 G5	410-420    US13	Note: In this manual a primary allocation has been added for SPACE RESEARCH (space-to-space). At this time, the FCC has not adopted this change.
420-430 FIXED MOBILE except aeronautical mobile Radiolocation S5.269 S5.270 S5.271			420-450 RADIOLOCATION G2      S5.286 US7 US87 US217 US228 US230 G8	420-450 Amateur      S5.282 S5.286 US7 US87 US217 US228 US230 NG135	Private Land Mobile (90) Amateur (97)
430-440 AMATEUR RADIOLOCATION S5.138 S5.271 S5.272 S5.273 S5.274 S5.275 S5.276 S5.277 S5.280 S5.281 S5.282 S5.283	430-440 RADIOLOCATION Amateur   S5.271 S5.276 S5.277 S5.278 S5.279 S5.281 S5.282				
440-450 FIXED MOBILE except aeronautical mobile Radiolocation S5.269 S5.270 S5.271 S5.284 S5.285 S5.286					
450-455 FIXED MOBILE   S5.209 S5.271 S5.286 S5.286A S5.286B S5.286C S5.286D S5.286E			450-454  S5.286 US87	450-454 LAND MOBILE  S5.286 US87 NG112 NG124	Auxiliary Broadcasting (74) Private Land Mobile (90)
			454-456	454-455 FIXED LAND MOBILE  NG12 NG112 NG148	Public Mobile (22) Maritime (80)
455-456 FIXED MOBILE  S5.209 S5.271 S5.286A S5.286B S5.286C S5.286E	455-456 FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) S5.286A S5.286B S5.286C S5.209	455-456 FIXED MOBILE  S5.209 S5.271 S5.286A S5.286B S5.286C S5.286E		455-456 LAND MOBILE	Auxiliary Broadcasting (74)

456-459 FIXED MOBILE S5.271 S5.287 S5.288			456-460  S5.288 669	456-460 FIXED LAND MOBILE  S5.288 669 NG112 NG124 NG148	Public Mobile (22) Maritime (80) Private Land Mobile (90)
459-460 FIXED MOBILE  S5.209 S5.271 S5.286A S5.286B S5.286C S5.286E	459-460 FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) S5.286A S5.286B S5.286C S5.209	459-460 FIXED MOBILE  S5.209 S5.271 S5.286A S5.286B S5.286C S5.286E			
460-470 FIXED MOBILE Meteorological-satellite (space-to-Earth)                    S5.287 S5.288 S5.289 S5.290			460-470 Meteorological-satellite (space-to-Earth)	460-462.5375 FIXED LAND MOBILE  S5.289 US201 US209 NG124	Private Land Mobile (90)
				462.5375-462.7375 LAND MOBILE  S5.289 US201	Personal Radio (95)
				462.7375-467.5375 FIXED LAND MOBILE  S5.289 669 US201 US209 US216 NG124	Private Land Mobile (90)
				467.5375-467.7375 LAND MOBILE  S5.289 669 US201	Personal Radio (95)
				467.7375-470 FIXED LAND MOBILE  S5.288 S5.289 US201 US216 NG124	Private Land Mobile (90)

## 470-849 MHz (UHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
470-790 BROADCASTING	470-512 BROADCASTING Fixed Mobile  S5.292 S5.293	470-585 FIXED MOBILE BROADCASTING  S5.291 S5.298	470-608	470-512 FIXED BROADCASTING LAND MOBILE  NG66 NG114 NG127 NG128 NG149	Public Mobile (22) Broadcast Radio (TV) (73) Auxiliary Broadcasting (74) Private Land Mobile (90)
	512-608 BROADCASTING			512-608 BROADCASTING	Broadcast Radio (TV) (73) Auxiliary Broadcasting (74)
	585-610 FIXED MOBILE BROADCASTING RADIONAVIGATION  S5.297	608-614 RADIO ASTRONOMY Mobile-satellite except aeronautical mobile-satellite (Earth-to-space)  S5.149 S5.305 S5.306 S5.307	608-614 LAND MOBILE US350 RADIO ASTRONOMY US74  US246	608-614 LAND MOBILE US350 RADIO ASTRONOMY US74	Personal (95)
	610-890 FIXED MOBILE BROADCASTING				614-890
	614-806 BROADCASTING Fixed Mobile			614-890	614-698 BROADCASTING  NG128 NG149

<p>S5.149 S5.291A S5.294 S5.296 S5.300 S5.302 S5.304 S5.306 S5.311 S5.312</p>				<p>746-764 FIXED MOBILE BROADCASTING  NG128 NG159</p>	<p>Wireless Communications (27) Broadcast Radio (TV) (73) Auxiliary Broadcasting (74) Private Land Mobile (90)</p>
<p>790-862 FIXED BROADCASTING</p>	<p>S5.293 S5.309 S5.311</p>			<p>764-776 FIXED MOBILE  NG128 NG158 NG159</p>	<p>Auxiliary Broadcasting (74) Private Land Mobile (90)</p>
<p>S5.312 S5.314 S5.315 S5.316 S5.319 S5.321</p>	<p>806-890 FIXED MOBILE BROADCASTING</p>			<p>776-794 FIXED MOBILE BROADCASTING  NG128 NG159</p>	<p>Wireless Communications (27) Broadcast Radio (TV) (73) Auxiliary Broadcast. (74) Private Land Mobile (90)</p>
<p>See next page for 862-890 MHz</p>				<p>794-806 FIXED MOBILE  NG128 NG158 NG159</p>	<p>Auxiliary Broadcasting (74) Private Land Mobile (90)</p>
<p>See next page for 862-890 MHz</p>	<p>S5.317 S5.318</p>	<p>S5.149 S5.305 S5.306 S5.307 S5.311 S5.320</p>		<p>806-821 FIXED LAND MOBILE  NG30 NG31 NG43 NG63</p>	<p>Public Mobile (22) Private Land Mobile (90)</p>
				<p>821-824 LAND MOBILE  NG30 NG43 NG63</p>	<p>Private Land Mobile (90)</p>
				<p>824-849 FIXED LAND MOBILE  NG30 NG43 NG63 NG151</p>	<p>Public Mobile (22)</p>
				<p>See next page for 849-894 MHz</p>	<p>See next page for 866-896 MHz</p>

849-941 MHz (UHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
See previous pages for 470-862 MHz	See previous pages for 614-890 MHz	See previous pages for 585-890 MHz	See previous pages for 614-890 MHz	See previous pages for 614-849 MHz	See previous pages for 614-849 MHz
862-890 FIXED MOBILE except aeronautical mobile BROADCASTING S5.322  S5.319 S5.323				849-851 AERONAUTICAL MOBILE  NG30 NG63	Public Mobile (22)
				851-866 FIXED LAND MOBILE  NG30 NG31 NG63	Public Mobile (22) Private Land Mobile (90)
				866-869 LAND MOBILE  NG30 NG63	Private Land Mobile (90)
890-942 FIXED MOBILE except aeronautical mobile BROADCASTING S5.322 Radiolocation  S5.323	890-902 FIXED MOBILE except aeronautical mobile Radiolocation  S5.318 S5.325	890-942 FIXED MOBILE BROADCASTING Radiolocation	890-902	869-894 FIXED LAND MOBILE	Public Mobile (22)
				US116 US268 NG30 NG63 NG151	
				894-896 AERONAUTICAL MOBILE  US116 US268	
				896-901 FIXED LAND MOBILE  US116 US268	Private Land Mobile (90)
				901-902 FIXED MOBILE	Personal Communications (24)
			US116 US268 G2	US116 US268	

	<p>902-928 FIXED Amateur Mobile except aeronautical mobile Radiolocation</p> <p>S5.150 S5.325 S5.326</p>	
	<p>928-942 FIXED MOBILE except aeronautical mobile Radiolocation</p>	
	S5.325	S5.327

<p>902-928 RADIOLOCATION G59</p> <p>S5.150 US215 US218 US267 US275 G11</p>	<p>902-928</p> <p>S5.150 US215 US218 US267 US275</p>	<p>ISM Equipment (18) Private Land Mobile (90) Amateur (97)</p>
<p>928-932</p>	<p>928-929 FIXED US116 US215 US268 NG120</p>	<p>Public Mobile (22) Private Land Mobile (90) Fixed Microwave (101)</p>
	<p>929-930 FIXED LAND MOBILE US116 US215 US268</p>	<p>Private Land Mobile (90)</p>
	<p>930-931 FIXED MOBILE US116 US215 US268</p>	<p>Personal Communications (24)</p>
<p>US116 US215 US268 G2</p>	<p>931-932 FIXED LAND MOBILE US116 US215 US268</p>	<p>Public Mobile (22)</p>
<p>932-935 FIXED US215 US268 G2</p>	<p>932-935 FIXED US215 US268 NG120</p>	<p>Public Mobile (22) Fixed Microwave (101)</p>
<p>935-940</p> <p>US116 US215 US268 G2</p>	<p>935-940 FIXED LAND MOBILE US116 US215 US268</p>	<p>Private Land Mobile (90)</p>
<p>940-941</p> <p>US116 US268 G2</p>	<p>940-941 FIXED MOBILE US116 US268</p>	<p>Personal Communications (24)</p>
	<p>See next page for 941-944 MHz</p>	<p>See next page for 941-944 MHz</p>



941-1429 MHz (UHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
See previous page for 890-942 MHz	See previous page for 928-942 MHz	See previous page for 890-942 MHz	941-944 FIXED	941-944 FIXED	Public Mobile (22) Fixed Microwave (101)
942-960 FIXED MOBILE except aeronautical mobile BROADCASTING S5.322	942-960 FIXED MOBILE	942-960 FIXED MOBILE BROADCASTING	US268 US301 US302 G2	US268 US301 US302 NG120	
S5.323		S5.320	944-960	944-960 FIXED  NG120	Public Mobile (22) International Fixed (23) Auxiliary Broadcast. (74) Fixed Microwave (101)
960-1215 AERONAUTICAL RADIONAVIGATION  S5.328			960-1215 AERONAUTICAL RADIONAVIGATION  S5.328 US224		Aviation (87)
1215-1240 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth) S5.329 SPACE RESEARCH (active)  S5.330 S5.331 S5.332			1215-1240 RADIOLOCATION S5.333 G56 RADIONAVIGATION-SATELLITE (space-to- Earth)	1215-1240   S5.333	
1240-1260 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth) S5.329 SPACE RESEARCH (active) Amateur  S5.330 S5.331 S5.332 S5.334 S5.335			1240-1300 RADIOLOCATION S5.333 G56	1240-1300 Amateur	Amateur (97)
1260-1300 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active) Amateur  S5.282 S5.330 S5.331 S5.332 S5.334 S5.335			S5.334	S5.282 S5.333 S5.334	

1300-1350 AERONAUTICAL RADIONAVIGATION S5.337 Radiolocation  S5.149		1300-1350 AERONAUTICAL RADIO- NAVIGATION S5.337 Radiolocation G2  S5.149	1300-1350 AERONAUTICAL RADIO- NAVIGATION S5.337  S5.149	Aviation (87)
1350-1400 FIXED MOBILE RADIOLOCATION   S5.149 S5.338 S5.339	1350-1400 RADIOLOCATION   S5.149 S5.334 S5.339	1350-1390 FIXED MOBILE RADIOLOCATION G2  S5.149 S5.334 S5.339 US311 G27 G114	1350-1390   S5.149 S5.334 S5.339	
		1390-1395 RADIOLOCATION G2 Fixed Mobile  S5.149 S5.339 US311 US351 G27 G114	1390-1395   S5.149 S5.339 US351	Note: 1390-1395 MHz became non-Federal Government exclusive spectrum in January 1999
		1395-1400 LAND MOBILE US350  S5.149 S5.339 US311 US351	1395-1400 LAND MOBILE US350  S5.149 S5.339 US311 US351	Personal (95)
1400-1427 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive)  S5.340 S5.341		1400-1427 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY US74 SPACE RESEARCH (passive)  S5.341 US246		
1427-1429 SPACE OPERATION (Earth-to-space) FIXED MOBILE except aeronautical mobile  S5.341		1427-1429 SPACE OPERATION (Earth-to-space) FIXED MOBILE except aeronautical mobile  S5.341 G30	1427-1429 SPACE OPERATION (Earth-to-space) Fixed (telemetry) Land mobile (telemetry and telecommand)  S5.341	Satellite Communications (25) Private Land Mobile (90)  Note: 1427-1429 MHz became non-Federal Government exclusive spectrum in January 1999

## 1429-1610 MHz (UHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
1429-1452 FIXED MOBILE except aeronautical mobile  S5.341 S5.342	1429-1452 FIXED MOBILE S5.343  S5.341		1429-1432 LAND MOBILE US350  S5.341 US352	1429-1432 LAND MOBILE US350 Fixed (telemetry) Land mobile (telemetry and telecommand)  S5.341 US352	Private Land Mobile (90) Personal (95)
			1432-1435 FIXED MOBILE  S5.341 G30	1432-1435 Fixed (telemetry) Land mobile (telemetry and telecommand)  S5.341	Private Land Mobile (90) Note: 1432-1435 MHz became mixed-use spectrum In January 1999.
			1435-1525 MOBILE (aeronautical telemetry)		Aviation (87)
1452-1492 FIXED MOBILE except aeronautical mobile BROADCASTING S5.345 S5.347 BROADCASTING- SATELLITE S5.345 S5.347  S5.341 S5.342	1452-1492 FIXED MOBILE S5.343 BROADCASTING S5.345 S5.347 BROADCASTING-SATELLITE S5.345 S5.347  S5.341 S5.344		S5.341 US78		
1492-1525 FIXED MOBILE except aeronautical mobile  S5.341 S5.342	1492-1525 FIXED MOBILE S5.343 MOBILE-SATELLITE (space-to-Earth) S5.348A  S5.341 S5.344 S5.348	1492-1525 FIXED MOBILE  S5.341 S5.348A			
1525-1530 SPACE OPERATION (space-to-Earth) FIXED MOBILE-SATELLITE (space-to-Earth) Earth exploration-satellite Mobile except aeronautical mobile S5.349  S5.341 S5.342 S5.350 S5.351 S5.352A S5.354	1525-1530 SPACE OPERATION (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) Earth exploration-satellite Fixed Mobile S5.343  S5.341 S5.351 S5.354	1525-1530 SPACE OPERATION (space-to-Earth) FIXED MOBILE-SATELLITE (space-to-Earth) Earth exploration-satellite Mobile S5.349  S5.341 S5.351 S5.352A S5.354	1525-1530 MOBILE-SATELLITE (space-to-Earth) Mobile (aeronautical telemetry)  S5.341 S5.351 US78		Satellite Communications (25) Aviation (87)

1530-1535 SPACE OPERATION (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) S5.353A Earth exploration-satellite Fixed Mobile except aeronautical mobile S5.341 S5.342 S5.351 S5.354	1530-1535 SPACE OPERATION (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) S5.353A Earth exploration-satellite Fixed Mobile S5.343  S5.341 S5.351 S5.354	1530-1535 MOBILE-SATELLITE (space-to-Earth) MARITIME MOBILE-SATELLITE (space-to-Earth) Mobile (aeronautical telemetry)  S5.341 S5.351 US78 US315		
1535-1559 MOBILE-SATELLITE (space-to-Earth)         S5.341 S5.351 S5.353A S5.354 S5.355 S5.356 S5.357 S5.357A S5.359 S5.362A		1535-1544 MOBILE-SATELLITE (space-to-Earth) MARITIME MOBILE-SATELLITE (space-to-Earth) S5.341 S5.351 US315	Satellite Communications (25) Maritime (80)	
		1544-1545 MOBILE-SATELLITE (space-to-Earth) S5.341 S5.356		Aviation (87)
		1545-1549.5 AERONAUTICAL MOBILE-SATELLITE (R) (space-to-Earth) Mobile-satellite (space-to-Earth) S5.341 S5.351 US308 US309		
		1549.5-1558.5 AERONAUTICAL MOBILE-SATELLITE (R) (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) S5.341 S5.351 US308 US309		
1559-1610 AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth)  S5.341 S5.355 S5.359 S5.363		1559-1610 AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth)  S5.341 US208 US260 G126	Note: Footnote G126 states that DGPS stations may be authorized on a primary basis in this band, but the FCC has not yet addressed this footnote.	

1610-1670 MHz (UHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
1610-1610.6 MOBILE-SATELLITE (Earth-to-space) AERONAUTICAL RADIONAVIGATION  S5.341 S5.355 S5.359 S5.363 S5.364 S5.366 S5.367 S5.368 S5.369 S5.371 S5.372	1610-1610.6 MOBILE-SATELLITE (Earth-to-space) AERONAUTICAL RADIONAVIGATION RADIODETERMINATION- SATELLITE (Earth-to- space)	1610-1610.6 MOBILE-SATELLITE (Earth-to-space) AERONAUTICAL RADIONAVIGATION Radiodetermination-Satellite (Earth-to-space)	1610-1610.6 MOBILE-SATELLITE (Earth-to-space) US319 AERONAUTICAL RADIONAVIGATION US260 RADIODETERMINATION-SATELLITE(Earth-to-space)		Satellite Communications (25) Aviation (87)
1610.6-1613.8 MOBILE-SATELLITE (Earth-to-space) RADIO ASTRONOMY AERONAUTICAL RADIONAVIGATION  S5.149 S5.341 S5.355 S5.359 S5.363 S5.364 S5.366 S5.367 S5.368 S5.369 S5.371 S5.372	1610.6-1613.8 MOBILE-SATELLITE (Earth-to-space) RADIO ASTRONOMY AERONAUTICAL RADIONAVIGATION RADIODETERMINATION- SATELLITE (Earth-to- space)	1610.6-1613.8 MOBILE-SATELLITE (Earth-to-space) RADIO ASTRONOMY AERONAUTICAL RADIONAVIGATION Radiodetermination-satellite (Earth-to-space)	1610.6-1613.8 MOBILE-SATELLITE (Earth-to-space) US319 RADIO ASTRONOMY AERONAUTICAL RADIONAVIGATION US260 RADIODETERMINATION-SATELLITE (Earth-to-space)		
1613.8-1626.5 MOBILE-SATELLITE (Earth-to-space) AERONAUTICAL RADIONAVIGATION Mobile-satellite (space-to-Earth)	1613.8-1626.5 MOBILE-SATELLITE (Earth-to-space) AERONAUTICAL RADIONAVIGATION RADIODETERMINATION- SATELLITE (Earth-to- space) Mobile-satellite (space-to- Earth)	1613.8-1626.5 MOBILE-SATELLITE (Earth-to-space) AERONAUTICAL RADIONAVIGATION Mobile-satellite (space-to- Earth) Radiodetermination- satellite (Earth-to-space)	1613.8-1626.5 MOBILE-SATELLITE (Earth-to-space) US319 AERONAUTICAL RADIONAVIGATION US260 RADIODETERMINATION-SATELLITE (Earth-to-space) Mobile-satellite (space-to-Earth)		
1626.5-1660 MOBILE-SATELLITE (Earth-to-space)			1626.5-1645.5 MOBILE-SATELLITE (Earth-to-space) MARITIME MOBILE-SATELLITE (Earth-to-space)		Satellite Communications (25) Maritime (80)

	1645.5-1646.5 MOBILE-SATELLITE (Earth-to-space)	
	S5.341 S5.375	
	1646.5-1651 AERONAUTICAL MOBILE-SATELLITE (R) (Earth-to-space) Mobile-satellite (Earth-to-space)	Aviation (87)
	S5.341 S5.351 US308 US309	
	1651-1660 MOBILE-SATELLITE (Earth-to-space) AERONAUTICAL MOBILE-SATELLITE (R) (Earth-to-space)	
S5.341 S5.351 S5.353A S5.354 S5.355 S5.357A S5.359 S5.362A S5.374 S5.375 S5.376	S5.341 S5.351 US308 US309	
1660-1660.5 MOBILE-SATELLITE (Earth-to-space) RADIO ASTRONOMY	1660-1660.5 AERONAUTICAL MOBILE-SATELLITE (R) (Earth-to-space) RADIO ASTRONOMY	
S5.149 S5.341 S5.351 S5.354 S5.362A S5.376A	S5.149 S5.341 S5.351 US308 US309	
1660.5-1668.4 RADIO ASTRONOMY SPACE RESEARCH (passive) Fixed Mobile except aeronautical mobile	1660.5-1668.4 RADIO ASTRONOMY US74 SPACE RESEARCH (passive)	
S5.149 S5.341 S5.379 S5.379A	S5.341 US246	
1668.4-1670 METEOROLOGICAL AIDS FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY	1668.4-1670 METEOROLOGICAL AIDS (radiosonde) RADIO ASTRONOMY US74	
S5.149 S5.341	S5.149 S5.341 US99	

## 1670-2110 MHz (UHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
1670-1675 METEOROLOGICAL AIDS FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE S5.380 S5.341			1670-1675 METEOROLOGICAL AIDS (radiosonde) METEOROLOGICAL-SATELLITE (space-to-Earth)  S5.341 US211		Note: 1670-1675 MHz became mixed-use spectrum in January 1999
1675-1690 METEOROLOGICAL AIDS FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile S5.341	1675-1690 METEOROLOGICAL AIDS FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile MOBILE-SATELLITE (Earth-to-space) S5.341 S5.377	1675-1690 METEOROLOGICAL AIDS FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile S5.341	1675-1700 METEOROLOGICAL AIDS (radiosonde) METEOROLOGICAL-SATELLITE (space-to-Earth)		
1690-1700 METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (space-to-Earth) Fixed Mobile except aeronautical mobile S5.289 S5.341 S5.382	1690-1700 METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (Earth-to-space) S5.289 S5.341 S5.377 S5.381	1690-1700 METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (space-to-Earth) S5.289 S5.341 S5.381	S5.289 S5.341 US211		
1700-1710 FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile S5.289 S5.341	1700-1710 FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile MOBILE-SATELLITE (Earth-to-space) S5.289 S5.341 S5.377	1700-1710 FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile S5.289 S5.341 S5.384	1700-1710 FIXED G118 METEOROLOGICAL-SATELLITE (space-to-Earth) S5.289 S5.341	1700-1710 METEOROLOGICAL-SATELLITE (space-to-Earth) Fixed S5.289 S5.341	
1710-1930 FIXED MOBILE S5.380			1710-1755 FIXED MOBILE S5.341 US256	1710-1755 S5.341 US256	Note: Proceeds from the auction of the 1710-1755 MHz mixed-use band are to be deposited not later than September 30, 2002.

			1755-1850 FIXED MOBILE G42	1755-1850	
S5.149 S5.341 S5.385 S5.386 S5.387 S5.388			1850-1990	1850-1990 FIXED MOBILE	RF Devices (15) Personal Communications (24) Fixed Microwave (101)
1930-1970 FIXED MOBILE  S5.388	1930-1970 FIXED MOBILE Mobile-satellite (Earth-to-space)  S5.388	1930-1970 FIXED MOBILE  S5.388			
1970-1980 FIXED MOBILE  S5.388					
1980-2010 FIXED MOBILE MOBILE-SATELLITE (Earth-to-space)  S5.388 S5.389A S5.389B S5.389F			1990-2025	1990-2025 MOBILE-SATELLITE (Earth-to-space)	Satellite Communications (25)
2010-2025 FIXED MOBILE  S5.388	2010-2025 FIXED MOBILE MOBILE-SATELLITE (Earth-to-space)  S5.388 S5.389C S5.389D S5.389E S5.390	2010-2025 FIXED MOBILE  S5.388		NG156	
2025-2110 SPACE OPERATION (Earth-to-space) (space-to-space) EARTH EXPLORATION-SATELLITE (Earth-to-space) (space-to-space) FIXED MOBILE S5.391 SPACE RESEARCH (Earth-to-space) (space-to-space)  S5.392			2025-2110 SPACE OPERATION (Earth-to-space) (space-to-space) EARTH EXPLORATION- SATELLITE (Earth-to- space) (space-to-space) SPACE RESEARCH (Earth- to-space) (space-to-space)  S5.391 S5.392 US90 US222 US346 US347	2025-2110 FIXED NG23 NG118 MOBILE S5.391        S5.392 US90 US222 US346 US347	TV Auxiliary Broadcasting (74F) Cable TV Relay (78) Local TV Transmission (101J)



2110-2345 MHz (UHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
2110-2120 FIXED MOBILE SPACE RESEARCH (deep space) (Earth-to-space)  S5.388			2110-2120   US252	2110-2150 FIXED NG23 MOBILE   US252 NG153	Public Mobile (22) Fixed Microwave (101)  Note: 2110-2150 MHz must be auctioned by September 30, 2002.
2120-2160 FIXED MOBILE   S5.388	2120-2160 FIXED MOBILE Mobile-satellite (space-to-Earth)   S5.388	2120-2160 FIXED MOBILE   S5.388	2120-2200          US252 NG153		
2160-2170 FIXED MOBILE   S5.388 S5.392A	2160-2170 FIXED MOBILE MOBILE-SATELLITE (space-to-Earth)  S5.388 S5.389C S5.389D S5.389E S5.390	2160-2170 FIXED MOBILE   S5.388	2150-2160 FIXED NG23          NG153	2160-2165 FIXED NG23 MOBILE  NG153	Domestic Public Fixed (21) Fixed Microwave (101)  Domestic Public Fixed (21) Public Mobile (22) Fixed Microwave (101)
2170-2200 FIXED MOBILE MOBILE-SATELLITE (space-to-Earth)  S5.388 S5.389A S5.389F S5.392A				2165-2200 MOBILE-SATELLITE (space-to-Earth)          NG23 NG168	Satellite Communications (25)
2200-2290 SPACE OPERATION (space-to-Earth) (space-to-space) EARTH EXPLORATION-SATELLITE (space-to-Earth) (space-to-space) FIXED MOBILE S5.391 SPACE RESEARCH (space-to-Earth) (space-to-space)			2200-2290 SPACE OPERATION (space-to-Earth) (space-to-space) EARTH EXPLORATION- SATELLITE (space-to- Earth) (space-to-space)  FIXED (line-of-sight only)	2200-2290	

		MOBILE (line-of-sight only including aeronautical telemetry, but excluding flight testing of manned aircraft) SPACE RESEARCH (space-to-Earth) (space-to-space)			
S5.392		S5.392 US303	US303		
2290-2300 FIXED MOBILE except aeronautical mobile SPACE RESEARCH (deep space) (space-to-Earth)		2290-2300 FIXED MOBILE except aeronautical mobile SPACE RESEARCH (deep space) (space-to-Earth)	2290-2300 SPACE RESEARCH (deep space) (space-to-Earth)		
2300-2450 FIXED MOBILE Amateur Radiolocation	2300-2450 FIXED MOBILE RADIOLOCATION Amateur	2300-2305  G123	2300-2305 Amateur	Amateur (97) Note: 2300-2305 MHz became non-Federal Government exclusive spectrum in August 1995	
		2305-2310  US338 G123	2305-2310 FIXED MOBILE except aeronautical mobile RADIOLOCATION Amateur  US338	Wireless Communications (27) Amateur (97)	
		2310-2360 Fixed Mobile US339 Radiolocation G2	2310-2320 FIXED MOBILE US339 RADIOLOCATION BROADCASTING-SATELLITE US327 S5.396 US338	2310-2320 FIXED MOBILE US339 RADIOLOCATION BROADCASTING-SATELLITE US327 S5.396 US338	Wireless Communications (27)
			2320-2345 BROADCASTING-SATELLITE US327 Mobile US276 US328 S5.396		
		S5.150 S5.282 S5.395	S5.150 S5.282 S5.393 S5.394 S5.396	S5.396 US327 US328 G120 See next page	See next page for 2345-2450 MHz

2345-2655 MHz (UHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
See previous page for 2300-2450 MHz			See previous page for 2310-2360 MHz	2345-2360 FIXED MOBILE US339 RADIOLOCATION BROADCASTING- SATELLITE US327 S5.396	Wireless Communications (27)
			2360-2385 MOBILE US276 RADIOLOCATION G2 Fixed G120	2360-2385 MOBILE US276	
			2385-2390 MOBILE US276 RADIOLOCATION G2 Fixed G120	2385-2390 MOBILE US276	Note: 2385-2390 MHz will become non-Federal Government exclusive spectrum in January 2005
			2390-2400 G122	2390-2400 AMATEUR	RF Devices (15) Amateur (97)
			2400-2402 S5.150 G123	2400-2402 Amateur S5.150 S5.282	ISM Equipment (18) Amateur (97)
			2402-2417 S5.150 G122	2402-2417 AMATEUR S5.150 S5.282	RF Devices (15) ISM Equipment (18) Amateur (97)
			2417-2450 Radiolocation G2 S5.150 G124	2417-2450 Amateur S5.150 S5.282	ISM Equipment (18) Amateur (97)
			2450-2483.5 FIXED MOBILE Radiolocation S5.150 S5.397	2450-2483.5 FIXED MOBILE RADIOLOCATION S5.150 S5.394	2450-2483.5 S5.150 US41

<p>2483.5-2500 FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) Radiolocation</p> <p>S5.150 S5.371 S5.397 S5.398 S5.399 S5.400 S5.402</p>	<p>2483.5-2500 FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) RADIOLOCATION RADIODETERMINATION- SATELLITE (space-to- Earth) S5.398</p> <p>S5.150 S5.402</p>	<p>2483.5-2500 FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) RADIOLOCATION Radiodetermination-satellite (space-to-Earth) S5.398</p> <p>S5.150 S5.400 S5.402</p>	<p>2483.5-2500 MOBILE-SATELLITE (space-to-Earth) US319 RADIODETERMINATION- SATELLITE (space-to- Earth) S5.398</p> <p>S5.150 753F US41</p>	<p>2483.5-2500 MOBILE-SATELLITE (space-to-Earth) US319 RADIODETERMINATION- SATELLITE (space-to- Earth) S5.398</p> <p>S5.150 753F US41 NG147</p>	<p>ISM Equipment (18) Satellite Communications (25) Private Land Mobile (90) Fixed Microwave (101)</p>
<p>2500-2520 FIXED S5.409 S5.410 S5.411 MOBILE except aeronautical mobile MOBILE-SATELLITE (space-to-Earth) S5.403</p> <p>S5.405 S5.407 S5.408 S5.412 S5.414</p>	<p>2500-2520 FIXED S5.409 S5.411 FIXED-SATELLITE (space-to-Earth) S5.415 MOBILE except aeronautical mobile MOBILE-SATELLITE (space-to-Earth) S5.403</p> <p>S5.404 S5.407 S5.414 S5.415A</p>		<p>2500-2655</p>	<p>2500-2655 FIXED S5.409 S5.411 US205 FIXED-SATELLITE (space-to-Earth) NG102 BROADCASTING- SATELLITE NG101</p>	<p>Domestic Public Fixed (21) Auxiliary Broadcasting (74)</p>
<p>2520-2655 FIXED S5.409 S5.410 S5.411 MOBILE except aeronautical mobile BROADCASTING- SATELLITE S5.413 S5.416</p> <p>S5.339 S5.403 S5.405 S5.408 S5.412 S5.417 S5.418</p>	<p>2520-2655 FIXED S5.409 S5.411 FIXED-SATELLITE (space-to-Earth) S5.415 MOBILE except aeronautical mobile BROADCASTING- SATELLITE S5.413 S5.416</p> <p>S5.339 S5.403</p>	<p>2520-2535 FIXED S5.409 S5.411 FIXED-SATELLITE (space-to-Earth) S5.415 MOBILE except aeronautical mobile BROADCASTING- SATELLITE S5.413 S5.416</p> <p>S5.403 S5.415A</p> <p>2535-2655 FIXED S5.409 S5.411 MOBILE except aeronautical mobile BROADCASTING- SATELLITE S5.413 S5.416</p> <p>S5.339 S5.418</p>	<p>S5.339 US205 US269</p>	<p>S5.339 US269</p>	

## 2655-3700 MHz (UHF/SHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
2655-2670 FIXED S5.409 S5.410 S5.411 MOBILE except aeronautical mobile BROADCASTING-SATELLITE S5.413 S5.416 Earth exploration-satellite (passive) Radio astronomy Space research (passive)  S5.149 S5.412 S5.417 S5.420	2655-2670 FIXED S5.409 S5.411 FIXED-SATELLITE (Earth-to-space) (space-to-Earth) S5.415 MOBILE except aeronautical mobile BROADCASTING-SATELLITE S5.413 S5.416 Earth exploration-satellite (passive) Radio astronomy Space research (passive)  S5.149 S5.420	2655-2670 FIXED S5.409 S5.411 FIXED-SATELLITE (Earth-to-space) S5.415 MOBILE except aeronautical mobile BROADCASTING-SATELLITE S5.413 S5.416 Earth exploration-satellite (passive) Radio astronomy Space research (passive)  S5.149 S5.420	2655-2690 Earth exploration-satellite (passive) Radio astronomy Space research (passive)	2655-2690 FIXED US205 NG47 FIXED-SATELLITE (Earth-to-space) NG102 BROADCASTING-SATELLITE NG101 Earth exploration-satellite (passive) Radio astronomy Space research (passive)	
2670-2690 FIXED S5.409 S5.410 S5.411 MOBILE except aeronautical mobile MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (passive) Radio astronomy Space research (passive)  S5.149 S5.419 S5.420	2670-2690 FIXED S5.409 S5.411 FIXED-SATELLITE (Earth-to-space) (space-to-Earth) S5.415 MOBILE except aeronautical mobile MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (passive) Radio astronomy Space research (passive)  S5.149 S5.419 S5.420	2670-2690 FIXED S5.409 S5.411 FIXED-SATELLITE (Earth-to-space) S5.415 MOBILE except aeronautical mobile MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (passive) Radio astronomy Space research (passive)  S5.149 S5.419 S5.420 S5.420A	US205 US269	US269	
2690-2700 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive)  S5.340 S5.421 S5.422			2690-2700 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY US74 SPACE RESEARCH (passive)  US246		
2700-2900 AERONAUTICAL RADIONAVIGATION S5.337 Radiolocation  S5.423 S5.424			2700-2900 AERONAUTICAL RADIO-NAVIGATION S5.337 METEOROLOGICAL AIDS Radiolocation G2  S5.423 US18 G15	2700-2900  S5.423 US18	

2900-3100 RADIONAVIGATION S5.426 Radiolocation  S5.425 S5.427		2900-3100 MARITIME RADIONAVIGATION Radiolocation G56  S5.427 US44 US316	2900-3100 MARITIME RADIONAVIGATION Radiolocation  S5.5427 US44 US316	Maritime (80)	
3100-3300 RADIOLOCATION Earth exploration-satellite (active) Space research (active)  S5.149 S5.428		3100-3300 RADIOLOCATION S5.333 US110 G59  S5.149	3100-3300 Radiolocation S5.333 US110  S5.149	Private Land Mobile (90)	
3300-3400 RADIOLOCATION  S5.149 S5.429 S5.430	3300-3400 RADIOLOCATION Amateur Fixed Mobile  S5.149 S5.430	3300-3400 RADIOLOCATION Amateur  S5.149 S5.429	3300-3500 RADIOLOCATION US108 G31  S5.149	3300-3500 Amateur Radiolocation US108  S5.149 S5.282	Private Land Mobile (90) Amateur (97)
3400-3600 FIXED FIXED-SATELLITE (space-to-Earth) Mobile Radiolocation  S5.431	3400-3500 FIXED FIXED-SATELLITE (space-to-Earth) Amateur Mobile Radiolocation S5.433  S5.282 S5.432		3500-3650 RADIOLOCATION US110 G59 AERONAUTICAL RADIONAVIGATION (ground-based) G110  US245	3500-3600 Radiolocation US110  3600-3650 FIXED-SATELLITE (space-to-Earth) US245 Radiolocation US110	
	3500-3700 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile Radiolocation S5.433  S5.435		3650-3700 RADIOLOCATION US110 G59 AERONAUTICAL RADIONAVIGATION (ground-based) G110 US245 US348 US349	3650-3700 FIXED-SATELLITE (space-to-Earth) US245 Radiolocation US110  US245 US348 US349	Note: 3650-3700 MHz became mixed-use spectrum in January 1999
3600-4200 FIXED FIXED-SATELLITE (space-to-Earth) Mobile	See next page for 3700-4200 MHz		See next page for 3700-4200 MHz		

## 3700-5650 MHz (SHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
See previous page for 3600-4200 MHz	3700-4200 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile		3700-4200	3700-4200 FIXED NG41 FIXED-SATELLITE (space-to-Earth)	International Fixed (23) Satellite Communications (25) Fixed Microwave (101)
4200-4400 AERONAUTICAL RADIONAVIGATION S5.438  S5.437 S5.439 S5.440			4200-4400 AERONAUTICAL RADIONAVIGATION  S5.440 US261		Aviation (87)
4400-4500 FIXED MOBILE			4400-4500 FIXED MOBILE	4400-4500	
4500-4800 FIXED FIXED-SATELLITE (space-to-Earth) S5.441 MOBILE			4500-4800 FIXED MOBILE  US245	4500-4800 FIXED-SATELLITE (space-to-Earth) 792A US245	
4800-4990 FIXED MOBILE S5.442 Radio astronomy			4800-4940 FIXED MOBILE  S5.149 US203	4800-4940  S5.149 US203	
S5.149 S5.339 S5.443			4940-4990 FIXED MOBILE  S5.149 S5.339 US257	4940-4990  S5.149 S5.339 US257	Note: 4940-4990 MHz became non-Federal Government exclusive spectrum in March 1999
4990-5000 FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY Space research (passive)  S5.149			4990-5000 RADIO ASTRONOMY US74 Space research (passive)  US246		
5000-5150 AERONAUTICAL RADIONAVIGATION  S5.367 S5.444 S5.444A			5000-5250 AERONAUTICAL RADIONAVIGATION US260		Satellite Communications (25) Aviation (87)

5150-5250 AERONAUTICAL RADIONAVIGATION FIXED-SATELLITE (Earth-to-space) S5.447A  S5.446 S5.447 S5.447B S5.447C			Note: Footnote G126 states that DGPS stations may be authorized on a primary basis in this band, but the FCC has not yet addressed this footnote.
5250-5255 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH S5.447D  S5.448 S5.448A	5250-5350 RADIOLOCATION S5.333 US110 G59	5250-5350 Radiolocation S5.333 US110	
5255-5350 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active) S5.448 S5.448A	5350-5460 AERONAUTICAL RADIO- NAVIGATION S5.449 RADIOLOCATION G56  US48	5350-5460 AERONAUTICAL RADIO- NAVIGATION S5.449 Radiolocation  US48	Aviation (87)
5460-5470 RADIONAVIGATION S5.449 Radiolocation	5460-5470 RADIONAVIGATION S5.449 Radiolocation G56  US49 US65	5460-5470 RADIONAVIGATION S5.449 Radiolocation  US49 US65	
5470-5650 MARITIME RADIONAVIGATION Radiolocation   S5.450 S5.451 S5.452	5470-5600 MARITIME RADIONAVIGATION Radiolocation G56  US50 US65	5470-5600 MARITIME RADIONAVIGATION Radiolocation  US50 US65	Maritime (80)
	5600-5650 MARITIME RADIONAVIGATION METEOROLOGICAL AIDS Radiolocation US51 G56  S5.452 US65	5600-5650 MARITIME RADIONAVIGATION METEOROLOGICAL AIDS Radiolocation US51  S5.452 US65	



## 5650-7250 MHz (SHF)

International Table			United States Table		Remarks	
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government		
5650-5725 RADIOLOCATION Amateur Space research (deep space)  S5.282 S5.451 S5.453 S5.454 S5.455			5650-5925 RADIOLOCATION G2	5650-5830 Amateur	ISM Equipment (18) Amateur (97)	
5725-5830 FIXED-SATELLITE (Earth-to-space) RADIOLOCATION Amateur  S5.150 S5.451 S5.453 S5.455 S5.456	5725-5830 RADIOLOCATION Amateur  S5.150 S5.453 S5.455					S5.150 S5.282
5830-5850 FIXED-SATELLITE (Earth-to-space) RADIOLOCATION Amateur Amateur-satellite (space-to-Earth)  S5.150 S5.451 S5.453 S5.455 S5.456	5830-5850 RADIOLOCATION Amateur Amateur-satellite (space-to-Earth)  S5.150 S5.453 S5.455					5830-5850 Amateur Amateur-satellite (space-to-Earth)  S5.150
5850-5925 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE  S5.150	5850-5925 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Amateur Radiolocation  S5.150	5850-5925 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Radiolocation  S5.150				5850-5925 FIXED-SATELLITE (Earth-to-space) US245 MOBILE NG160 Amateur  S5.150
5925-6700 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE			5925-6425	5925-6425 FIXED NG41 FIXED-SATELLITE (Earth-to-space)	International Fixed (23) Satellite Communications (25) Fixed Microwave (101)	
			6425-6525  S5.440 S5.458	6425-6525 FIXED-SATELLITE (Earth-to-space) MOBILE  S5.440 S5.458	Auxiliary Broadcasting (74) Cable TV Relay (78) Fixed Microwave (101)	

S5.149 S5.440 S5.458	6525-6875	6525-6875 FIXED FIXED-SATELLITE (Earth-to-space) 792A	Satellite Communications (25) Fixed Microwave (101)
6700-7075 FIXED FIXED-SATELLITE (Earth-to-space) (space-to-Earth) S5.441 MOBILE	S5.458	S5.458	
S5.458 S5.458A S5.458B S5.458C	6875-7125	6875-7075 FIXED FIXED-SATELLITE (Earth-to-space) 792A MOBILE  S5.458 NG118	Auxiliary Broadcasting (74) Cable TV Relay (78)
7075-7250 FIXED MOBILE	S5.458	7075-7125 FIXED MOBILE  S5.458 NG118	
	7125-7190 FIXED	7125-7190	
	S5.458 US252 G116	S5.458 US252	
	7190-7235 FIXED SPACE RESEARCH (Earth-to-space)	7190-7250	
	S5.458		
	7235-7250 FIXED		
S5.458 S5.459 S5.460	S5.458	S5.458	

## 7250-8215 MHz (SHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
7250-7300 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE			7250-7300 FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) Fixed	7250-8025	
S5.461			G117		
7300-7450 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile			7300-7450 FIXED FIXED-SATELLITE (space-to-Earth) Mobile-satellite (space-to-Earth)		
S5.461			G117		
7450-7550 FIXED FIXED-SATELLITE (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile			7450-7550 FIXED FIXED-SATELLITE (space-to-Earth) METEOROLOGICAL-SAT- ELLITE (space-to-Earth) Mobile-satellite (space-to-Earth)		
S5.461A			G104 G117		
7550-7750 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile			7550-7750 FIXED FIXED-SATELLITE (space-to-Earth) Mobile-satellite (space-to-Earth)		
			G117		
7750-7850 FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) S5.461B MOBILE except aeronautical mobile			7750-7900 FIXED		
7850-7900 FIXED MOBILE except aeronautical mobile					

<p>7900-8025 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE</p> <p>S5.461</p>	<p>7900-8025 FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Fixed</p> <p>G117</p>		
<p>8025-8175 EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) MOBILE S5.463</p> <p>S5.462A</p>	<p>8025-8175 EARTH EXPLORATION- SATELLITE (space-to- Earth) FIXED FIXED-SATELLITE (Earth-to-space) Mobile-satellite (Earth-to- space) (no airborne transmissions)</p> <p>US258 G117</p>	<p>8025-8175</p> <p>US258</p>	
<p>8175-8215 EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) METEOROLOGICAL-SATELLITE (Earth-to-space) MOBILE S5.463</p> <p>S5.462A</p>	<p>8175-8215 EARTH EXPLORATION- SATELLITE (space-to- Earth) FIXED FIXED-SATELLITE (Earth-to-space) METEOROLOGICAL-SAT- ELLITE (Earth-to-space) Mobile-satellite (Earth-to- space) (no airborne transmissions)</p> <p>US258 G104 G117</p>	<p>8175-8215</p>	

## 8215-10000 MHz (SHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
8215-8400 EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) MOBILE S5.463  S5.462A			8215-8400 EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) Mobile-satellite (Earth-to-space) (no airborne transmissions)  US258 G117	8215-8400      US258	
8400-8500 FIXED MOBILE except aeronautical mobile SPACE RESEARCH (space-to-Earth) S5.465 S5.466  S5.467			8400-8450 FIXED SPACE RESEARCH (space-to-Earth) (deep space only)	8400-88450	
8500-8550 RADIOLOCATION S5.468 S5.469			8450-8500 FIXED SPACE RESEARCH (space-to-Earth)	8450-8500 SPACE RESEARCH (space-to-Earth)	
8550-8650 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active)  S5.468 S5.469 S5.469A			8500-9000 RADIOLOCATION S5.333 US110 G59	8500-9000 Radiolocation S5.333 US110	
8650-8750 RADIOLOCATION  S5.468 S5.469					
8750-8850 RADIOLOCATION AERONAUTICAL RADIONAVIGATION S5.470  S5.471					

8850-9000 RADIOLOCATION MARITIME RADIONAVIGATION S5.472  S5.473	US53	US53	
9000-9200 AERONAUTICAL RADIONAVIGATION S5.337 Radiolocation  S5.471	9000-9200 AERONAUTICAL RADIO- NAVIGATION S5.337 Radiolocation G2  US48 US54 G19	9000-9200 AERONAUTICAL RADIO- NAVIGATION S5.337 Radiolocation  US48 US54	Aviation (87)
9200-9300 RADIOLOCATION MARITIME RADIONAVIGATION S5.472  S5.473 S5.474	9200-9300 MARITIME RADIO- NAVIGATION S5.472 Radiolocation US110 G59  S5.474	9200-9300 MARITIME RADIO- NAVIGATION S5.472 Radiolocation US110  S5.474	
9300-9500 RADIONAVIGATION S5.476 Radiolocation  S5.427 S5.474 S5.475	9300-9500 RADIONAVIGATION S5.476 US66 Radiolocation US51 G56 Meteorological aids  S5.427 S5.474 US67 US71	9300-9500 RADIONAVIGATION S5.476 US66 Radiolocation US51 Meteorological aids  S5.427 S5.474 US67 US71	
9500-9800 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION SPACE RESEARCH (active)  S5.476A	9500-10000 RADIOLOCATION S5.333 US110	9500-10000 Radiolocation S5.333 US110	
9800-10000 RADIOLOCATION Fixed S5.477 S5.478 S5.479	S5.479	S5.479	

## 10-12.7 GHz (SHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
10-10.45 FIXED MOBILE RADIOLOCATION Amateur  S5.479	10-10.45 RADIOLOCATION Amateur  S5.479 S5.480	10-10.45 FIXED MOBILE RADIOLOCATION Amateur  S5.479	10-10.45 RADIOLOCATION   S5.479 US58 US108 G32	10-10.45 Radiolocation Amateur  S5.479 US58 US108 NG42	Private Land Mobile (90) Amateur (97)
10.45-10.5 RADIOLOCATION Amateur Amateur-satellite  S5.481			10.45-10.5 RADIOLOCATION   US58 US108 G32	10.45-10.5 Radiolocation Amateur Amateur-satellite  US58 US108 NG42 NG134	
10.5-10.55 FIXED MOBILE Radiolocation	10.5-10.55 FIXED MOBILE RADIOLOCATION		10.5-10.55 RADIOLOCATION  US59		Private Land Mobile (90)
10.55-10.6 FIXED MOBILE except aeronautical mobile Radiolocation			10.55-10.6	10.55-10.6 FIXED	Fixed Microwave (101)
10.6-10.68 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY SPACE RESEARCH (passive) Radiolocation  S5.149 S5.482			10.6-10.68 EARTH EXPLORATION-SATELLITE (passive) SPACE RESEARCH (passive)  US265 US277	10.6-10.68 EARTH EXPLORATION-SATELLITE (passive) FIXED SPACE RESEARCH (passive)  US265 US277	
10.68-10.7 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive)  S5.340 S5.483			10.68-10.7 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY US74 SPACE RESEARCH (passive)  US246		
10.7-11.7 FIXED FIXED-SATELLITE (space-to-Earth) S5.441 S5.484A (Earth-to-space) S5.484 MOBILE except aeronautical mobile	10.7-11.7 FIXED FIXED-SATELLITE (space-to-Earth) S5.441 S5.484A MOBILE except aeronautical mobile		10.7-11.7   US211	10.7-11.7 FIXED NG41 FIXED-SATELLITE (space-to-Earth) S5.441 US211 NG104	International Fixed (23) Satellite Communications (25) Fixed Microwave (101)

11.7-12.5 FIXED MOBILE except aeronautical mobile BROADCASTING BROADCASTING- SATELLITE	11.7-12.1 FIXED S5.486 FIXED-SATELLITE (space-to-Earth) S5.484A Mobile except aeronautical mobile S5.485 S5.488	11.7-12.2 FIXED MOBILE except aeronautical mobile BROADCASTING BROADCASTING- SATELLITE	11.7-12.1	11.7-12.2 FIXED-SATELLITE (space- to-Earth) NG143 NG145 Mobile except aeronautical mobile	Satellite Communications (25) Fixed Microwave (101)
	12.1-12.2 FIXED-SATELLITE (space-to-Earth) S5.484A S5.485 S5.488 S5.489		S5.486		
	S5.487 S5.487A S5.492	12.2-12.7 FIXED MOBILE except aeronautical mobile BROADCASTING BROADCASTING- SATELLITE	12.2-12.5 FIXED MOBILE except aeronautical mobile BROADCASTING S5.484A S5.487 S5.491	12.2-12.7	12.2-12.7 FIXED BROADCASTING- SATELLITE
12.5-12.75 FIXED-SATELLITE (space-to-Earth) S5.484A (Earth-to-space)	S5.487A S5.488 S5.490 S5.492 See next page for 12.7-12.75 GHz	12.5-12.75 FIXED FIXED-SATELLITE (space-to-Earth) S5.484A MOBILE except aeronautical mobile BROADCASTING- SATELLITE S5.493	S5.490	S5.488 S5.490	See next page for 12.7-12.75 GHz
S5.494 S5.495 S5.496		See next page for 12.7-12.75 GHz	See next page for 12.7-12.75 GHz	See next page for 12.7-12.75 GHz	



12.7-14.5 GHz (SHF)					
International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
See previous page for 12.5-12.75 GHz	12.7-12.75 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE except aeronautical mobile	See previous page for 12.5-12.75 GHz	12.7-12.75	12.7-12.75 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE  NG53 NG118	Auxiliary Broadcasting (74) Cable TV Relay (78) Fixed Microwave (101)
12.75-13.25 FIXED FIXED-SATELLITE (Earth-to-space) S5.441 MOBILE Space research (deep space) (space-to-Earth)			12.75-13.25  US251	12.75-13.25 FIXED FIXED-SATELLITE (Earth- to-space) S5.441 NG104 MOBILE  US251 NG53 NG118	
13.25-13.4 EARTH EXPLORATION-SATELLITE (active) AERONAUTICAL RADIONAVIGATION S5.497 SPACE RESEARCH (active)  S5.498A S5.499			13.25-13.4 AERONAUTICAL RADIONAVIGATION S5.497 Space research (Earth-to-space)		Aviation (87)
13.4-13.75 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH S5.501A Standard frequency and time signal-satellite (Earth-to-space)  S5.499 S5.500 S5.501 S5.501B			13.4-13.75 RADIOLOCATION S5.333 US110 G59 Space research Standard frequency and time signal-satellite (Earth-to-space)	13.4-13.75 Radiolocation S5.333 US110 Space research Standard frequency and time signal-satellite (Earth-to-space)	Private Land Mobile (90)
13.75-14 FIXED-SATELLITE (Earth-to-space) S5.484A RADIOLOCATION Standard frequency and time signal-satellite (Earth-to-space) Space research  S5.499 S5.500 S5.501 S5.502 S5.503 S5.503A			13.75-14 RADIOLOCATION US110 G59 Standard frequency and time signal-satellite (Earth-to-space) Space research US337  S5.502 S5.503 S5.503A	13.75-14 FIXED-SATELLITE (Earth-to-space) US337 Radiolocation US110 Standard frequency and time signal-satellite (Earth-to-space) Space research  S5.502 S5.503 S5.503A	Satellite Communications (25) Private Land Mobile (90)

14-14.25 FIXED-SATELLITE (Earth-to-space) S5.484A S5.506 RADIONAVIGATION S5.504 Mobile-satellite (Earth-to-space) except aeronautical mobile-satellite Space research  S5.505			14-14.2 RADIONAVIGATION US292 Space research	14-14.2 FIXED-SATELLITE (Earth-to-space) RADIONAVIGATION US292 Land mobile-satellite (Earth-to-space) Space research	Satellite Communications (25) Maritime (80) Aviation (87)
14.25-14.3 FIXED-SATELLITE (Earth-to-space) S5.484A S5.506 RADIONAVIGATION S5.504 Mobile-satellite (Earth-to-space) except aeronautical mobile-satellite Space research  S5.505 S5.508 S5.509			14.2-14.4	14.2-14.4 FIXED-SATELLITE (Earth-to-space) Land mobile-satellite (Earth-to-space) Mobile except aeronautical mobile	Satellite Communications (25) Fixed Microwave (101)
14.3-14.4 FIXED FIXED-SATELLITE (Earth- to- space) S5.484A S5.506 MOBILE except aeronautical mobile Mobile-satellite (Earth- space) except aeronautical mobile-satellite Radionavigation-satellite	14.3-14.4 FIXED-SATELLITE (Earth- to-space) S5.484A S5.506 Mobile-satellite (Earth- space) except aeronautical mobile-satellite Radionavigation-satellite	14.3-14.4 FIXED FIXED-SATELLITE (Earth- to-space) S5.484A S5.506 MOBILE except aeronautical mobile Mobile-satellite (Earth- space) except aeronautical mobile-satellite Radionavigation-satellite			
14.4-14.47 FIXED FIXED-SATELLITE (Earth-to-space) S5.484A S5.506 MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) except aeronautical mobile-satellite Space research (space-to-Earth)			14.4-14.47 Fixed Mobile	14.4-14.47 FIXED-SATELLITE (Earth-to-space) Land mobile-satellite (Earth-to-space)	Satellite Communications (25)
14.47-14.5 FIXED FIXED-SATELLITE (Earth-to-space) S5.484A S5.506 MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) except aeronautical mobile-satellite Radio astronomy  S5.149			14.47-14.5 Fixed Mobile  S5.149 US203	14.47-14.5 FIXED-SATELLITE (Earth-to-space) Land mobile-satellite (Earth-to-space)  S5.149 US203	

14.5-18.3 GHz (SHF)					
International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
14.5-14.8 FIXED FIXED-SATELLITE (Earth-to-space) S5.510 MOBILE Space research			14.5-14.7145 FIXED Mobile Space research	14.5-15.1365	
			14.7145-15.1365 MOBILE Fixed Space research	14.7145-15.1365	
14.8-15.35 FIXED MOBILE Space research			US310	US310	
S5.339			15.1365-15.35 FIXED Mobile Space research S5.339 US211	15.1365-15.35 S5.339 US211	
15.35-15.4 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) S5.340 S5.511			15.35-15.4 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY US74 SPACE RESEARCH (passive) US246		
15.4-15.43 AERONAUTICAL RADIONAVIGATION S5.511D			15.4-15.7 AERONAUTICAL RADIONAVIGATION US260		Aviation (87)
15.43-15.63 FIXED SATELLITE (space-to-Earth) (Earth-to-space) S5.511A AERONAUTICAL RADIONAVIGATION S5.511C					
15.63-15.7 AERONAUTICAL RADIONAVIGATION S5.511D			733 797 US211		
15.7-16.6 RADIOLOCATION S5.512 S5.513			15.7-16.6 RADIOLOCATION US110 G59	15.7-17.2 Radiolocation US110	Private Land Mobile (90)

16.6-17.1 RADIOLOCATION Space research (deep space) (Earth-to-space)  S5.512 S5.513			16.6-17.1 RADIOLOCATION US110 G59 Space research (deep space) (Earth-to-space)		
17.1-17.2 RADIOLOCATION  S5.512 S5.513			17.1-17.2 RADIOLOCATION US110 G59		
17.2-17.3 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active)  S5.512 S5.513 S5.513A			17.2-17.3 RADIOLOCATION US110 G59 Earth exploration-satellite (active) Space research (active)	17.2-17.3 Radiolocation US110 Earth exploration-satellite (active) Space research (active)	
17.3-17.7 FIXED-SATELLITE (Earth-to-space) S5.516 Radiolocation  S5.514	17.3-17.7 FIXED-SATELLITE (Earth-to-space) S5.516 BROADCASTING- SATELLITE Radiolocation  S5.514 S5.515 S5.517	17.3-17.7 FIXED-SATELLITE (Earth-to-space) S5.516 Radiolocation  S5.514	17.3-17.7 Radiolocation US259 G59	17.3-17.7 FIXED-SATELLITE (Earth-to-space) US271 BROADCASTING- SATELLITE NG163  US259	Satellite Communications (25) Direct Broadcast Satellite (100)
17.7-18.1 FIXED FIXED-SATELLITE (space-to-Earth) S5.484A (Earth-to-space) S5.516 MOBILE	17.7-17.8 FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space) S5.516 BROADCASTING- SATELLITE Mobile S5.518  S5.515 S5.517	17.7-18.1 FIXED FIXED-SATELLITE (space-to-Earth) S5.484A (Earth-to-space) S5.516 MOBILE	17.7-17.8	17.7-17.8 FIXED FIXED-SATELLITE (Earth-to-space) US271  NG144	Satellite Communications (25) Auxiliary Broadcasting (74) Cable TV Relay (78) Fixed Microwave (101)
	17.8-18.1 FIXED FIXED-SATELLITE (space-to-Earth) S5.484A (Earth-to-space) S5.516 MOBILE			17.8-18.3 FIXED-SATELLITE (space-to-Earth) G117	
18.1-18.4 FIXED FIXED-SATELLITE (space-to-Earth) S5.484A (Earth-to-space) S5.520 MOBILE  S5.519 S5.521			S5.519 US334  See next page for 18.3-18.6 GHz	S5.519 US334 NG144  See next page for 18.3-18.58 GHz	See next page for 18.3-18.58 GHz

18.3-22.5 GHz (SHF)					
International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
See previous page for 18.1-18.4 GHz			18.3-18.6 FIXED-SATELLITE (space-to-Earth) G117	18.3-18.58 FIXED FIXED-SATELLITE (space- to-Earth) NG164	Satellite Communications (25) Auxiliary Broadcast. (74) Cable TV Relay (78) Fixed Microwave (101)
18.4-18.6 FIXED FIXED-SATELLITE (space-to-Earth) S5.484A MOBILE				US334 NG144	
			US334	18.58-18.6 FIXED-SATELLITE (space- to-Earth) NG164	Satellite Communications (25)
				US334 NG144	
18.6-18.8 FIXED FIXED-SATELLITE (space-to-Earth) S5.523 MOBILE except aeronautical mobile Earth exploration-satellite (passive) Space research (passive)	18.6-18.8 EARTH EXPLORATION- SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) S5.523 MOBILE except aeronautical mobile SPACE RESEARCH (passive)	18.6-18.8 FIXED FIXED-SATELLITE (space-to-Earth) S5.523 MOBILE except aeronautical mobile Space research (passive)	18.6-18.8 EARTH EXPLORATION- SATELLITE (passive) FIXED-SATELLITE (space-to-Earth) US255 G117 SPACE RESEARCH (passive)	18.6-18.8 EARTH EXPLORATION- SATELLITE (passive) FIXED-SATELLITE (space-to-Earth) US255 NG164 SPACE RESEARCH (passive)	
S5.522	S5.222	S5.522	US254 US334	US254 US334 NG144	
18.8-19.3 FIXED FIXED-SATELLITE (space-to-Earth) S5.523A MOBILE			18.8-20.2 FIXED-SATELLITE (space-to-Earth) G117	18.8-19.3 FIXED-SATELLITE (space-to-Earth) NG165	
				US334 NG144	
19.3-19.7 FIXED FIXED-SATELLITE (space-to-Earth) (Earth-space) S5.523B S5.523C S5.523D S5.523E MOBILE				19.3-19.7 FIXED FIXED-SATELLITE (space- to-Earth) NG166	Satellite Communications (25) Auxiliary Broadcast (74) Cable TV Relay (78) Fixed Microwave (101)
				US334 NG144	
19.7-20.1 FIXED-SATELLITE (space-to-Earth) S5.484A Mobile-satellite (space-to-Earth)	19.7-20.1 FIXED-SATELLITE (space-to-Earth) S5.484A MOBILE-SATELLITE (space-to-Earth)	19.7-20.1 FIXED-SATELLITE (space-to-Earth) S5.484A Mobile-satellite (space-to-Earth)		19.7-20.1 FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth)	Satellite Communications (25)
S5.524	S5.524 S5.525 S5.526 S5.527 S5.528 S5.529	S5.524		S5.525 S5.526 S5.527 S5.528 S5.529 US334	

20.1-20.2 FIXED-SATELLITE (space-to-Earth) S5.484A MOBILE-SATELLITE (space-to-Earth)  S5.524 S5.525 S5.526 S5.527 S5.528			20.1-20.2 FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth)  S5.525 S5.526 S5.527 S5.528 US334	
20.2-21.2 FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) Standard frequency and time signal-satellite (space-to-Earth)  S5.524			20.2-21.2 FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) Standard frequency and time signal-satellite (space-to-Earth)  G117	
21.2-21.4 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)			21.2-21.4 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)  US263	Fixed Microwave (101)
21.4-22 FIXED MOBILE BROADCASTING- SATELLITE S5.530	21.4-22 FIXED MOBILE	21.4-22 FIXED MOBILE BROADCASTING- SATELLITE S5.530  S5.531	21.4-22 FIXED MOBILE	
22-22.21 FIXED MOBILE except aeronautical mobile  S5.149			22-22.21 FIXED MOBILE except aeronautical mobile  S5.149	
22.21-22.5 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY SPACE RESEARCH (passive)  S5.149 S5.532			22.21-22.5 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY SPACE RESEARCH (passive)  S5.149 US263	

## 22.5-27.5 GHz (SHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
22.5-22.55 FIXED MOBILE			22.5-22.55 FIXED MOBILE  US211		Fixed Microwave (101)
22.55-23.55 FIXED INTER-SATELLITE MOBILE  S5.149			22.55-23.55 FIXED INTER-SATELLITE MOBILE  S5.149 US278		Satellite Communications (25) Fixed Microwave (101)
23.55-23.6 FIXED MOBILE			23.55-23.6 FIXED MOBILE		Fixed Microwave (101)
23.6-24 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive)  S5.340			23.6-24 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY US74 SPACE RESEARCH (passive)  US246		
24-24.05 AMATEUR AMATEUR-SATELLITE  S5.150			24-24.05   S5.150 US211	24-24.05 AMATEUR AMATEUR-SATELLITE  S5.150 US211	ISM Equipment (18) Amateur (97)
24.05-24.25 RADIOLOCATION Amateur Earth exploration-satellite (active)  S5.150			24.05-24.25 RADIOLOCATION US110 G59 Earth exploration-satellite (active)  S5.150	24.05-24.25 Radiolocation US110 Amateur Earth exploration-satellite (active)  S5.150	ISM Equipment (18) Private Land Mobile (90) Amateur (97)
24.25-24.45 FIXED	24.25-24.45 RADIONAVIGATION	24.25-24.45 RADIONAVIGATION FIXED MOBILE	24.25-24.45	24.25-24.45 FIXED	Fixed Microwave (101)
24.45-24.75 FIXED INTER-SATELLITE	24.45-24.65 INTER-SATELLITE RADIONAVIGATION  S5.533	24.45-24.65 FIXED INTER-SATELLITE MOBILE RADIONAVIGATION  S5.533	24.45-24.65 INTER-SATELLITE RADIONAVIGATION  S5.533		Satellite Communications (25)

	24.65-24.75 INTER-SATELLITE RADIOLOCATION-SATELLITE (Earth-to-space)	24.65-24.75 FIXED INTER-SATELLITE MOBILE  S5.533 S5.534	24.65-24.75 INTER-SATELLITE RADIOLOCATION-SATELLITE (Earth-to-space)		
24.75-25.25 FIXED	24.75-25.25 FIXED-SATELLITE (Earth-to-space) S5.535	24.75-25.25 FIXED FIXED-SATELLITE (Earth-to-space) S5.535 MOBILE  S5.534	24.75-25.05 RADIONAVIGATION	24.75-25.05 FIXED-SATELLITE (Earth-to-space) NG167 RADIONAVIGATION	Satellite Communications (25) Aviation (87)
			25.05-25.25	25.05-25.25 FIXED-SATELLITE (Earth-to-space) NG167 FIXED	Satellite Communications (25) Fixed Microwave (101)
25.25-25.5 FIXED INTER-SATELLITE S5.536 MOBILE Standard frequency and time signal-satellite (Earth-to-space)		25.25-25.5 FIXED INTER-SATELLITE S5.536 MOBILE Standard frequency and time signal-satellite (Earth-to- space)		25.25-27 Standard frequency and time signal-satellite (Earth-to- space) Earth exploration-satellite (space-to-space)	Note: In this manual a primary allocation has been added for the inter- satellite service in the bands 25.25-25.5, 25.5.-27 and 27-27.5 GHz. The footnote S5.536 changes the direction indicator for the earth-exploration satellite service allocation in the 25.5-27 GHz band from space-to-space to space-to-Earth. At this time, the FCC has not adopted these changes.
25.5-27 EARTH EXPLORATION-SATELLITE (space-to-Earth) S5.536A S5.536B FIXED INTER-SATELLITE S5.536 MOBILE Standard frequency and time signal-satellite (Earth-to-space)		25.5-27 FIXED INTER-SATELLITE S5.536 MOBILE Earth exploration-satellite (space-to-Earth) Standard frequency and time signal-satellite (Earth-to- space)			
27-27.5 FIXED INTER-SATELLITE S5.536 MOBILE	27-27.5 FIXED FIXED-SATELLITE (Earth-to-space) INTER-SATELLITE S5.536 S5.537 MOBILE	27-27.5 FIXED INTER-SATELLITE S5.536 MOBILE		27-27.5 Earth exploration-satellite (space-to-space)	



27.5-32 GHz (SHF/EHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
27.5-28.5 FIXED FIXED-SATELLITE (Earth-to-space) S5.484A S5.539 MOBILE  S5.538 S5.540			27.5-30	27.5-29.5 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE	Satellite Communications (25) Fixed Microwave (101)
28.5-29.1 FIXED FIXED-SATELLITE (Earth-to-space) S5.484A S5.523A S5.539 MOBILE Earth exploration-satellite (Earth-to-space) S5.541  S5.540					
29.1-29.5 FIXED FIXED-SATELLITE (Earth-to-space) S5.523C S5.523E S5.535A S5.539 S5.541A MOBILE Earth exploration-satellite (Earth-to-space) S5.541  S5.540					
29.5-29.9 FIXED-SATELLITE (Earth-to-space) S5.484A S5.539 Earth exploration-satellite (Earth-to-space) S5.541 Mobile-satellite (Earth-to-space)  S5.540 S5.542	29.5-29.9 FIXED-SATELLITE (Earth-to-space) S5.484A S5.539 MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space) S5.541  S5.525 S5.526 S5.527 S5.529 S5.540 S5.542	29.5-29.9 FIXED-SATELLITE (Earth-to-space) S5.484A S5.539 Earth exploration-satellite (Earth-to-space) S5.541 Mobile-satellite (Earth-to-space)  S5.540 S5.542	29.5-29.9	FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space)  S5.525 S5.526 S5.527 S5.529	Satellite Communications (25)
29.9-30 FIXED-SATELLITE (Earth-to-space) S5.484A S5.539 MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space) S5.541 S5.543  S5.525 S5.526 S5.527 S5.538 S5.540 S5.542					
				29.9-30 FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space)  S5.525 S5.526 S5.527 S5.543	

30-31 FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Standard frequency and time signal-satellite (space-to-Earth)  S5.542			30-31 FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Standard frequency and time signal-satellite (space-to- Earth)	30-31 Standard frequency and time signal-satellite (space-to- Earth)	
31-31.3 FIXED MOBILE Standard frequency and time signal-satellite (space-to-Earth) Space research S5.544 S5.545  S5.149			31-31.3 Standard frequency and time signal-satellite (space-to- Earth)	31-31.3 FIXED MOBILE Standard frequency and time signal-satellite (space- to-Earth)	Fixed Microwave (101)
31.3-31.5 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive)  S5.340			31.3-31.8 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY US74 SPACE RESEARCH (passive)		
31.5-31.8 EARTH EXPLORATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) Fixed Mobile except aeronautical mobile  S5.149 S5.546	31.5-31.8 EARTH EXPLORATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive)  S5.340	31.5-31.8 EARTH EXPLORATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) Fixed Mobile except aeronautical mobile  S5.149	US246		
31.8-32 FIXED S5.547A RADIONAVIGATION SPACE RESEARCH (deep space) (space-to-Earth)  S5.547 S5.547B S5.548			31.8-32 RADIONAVIGATION US69 SPACE RESEARCH (deep space)(space-to-Earth) US262  S5.548 US211	31.8-32 SPACE RESEARCH (deep space)(space-to-Earth) US262  S5.548 US211	

32-40 GHz (EHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
32-32.3 FIXED S5.547A INTER-SATELLITE RADIONAVIGATION SPACE RESEARCH (deep space) (space-to-Earth)  S5.547 S5.547C S5.548			32-32.3 INTER-SATELLITE US278 RADIONAVIGATION US69 SPACE RESEARCH (deep space)(space-to-Earth) US262	32-32.3 INTER-SATELLITE US278 SPACE RESEARCH (deep space)(space-to-Earth) US262	
32.3-33 FIXED S5.547A INTER-SATELLITE RADIONAVIGATION  S5.547 S5.547D S5.548			32.3-33 INTER-SATELLITE US278 RADIONAVIGATION US69  S5.548		
33-33.4 FIXED S5.547A RADIONAVIGATION  S5.547 S5.547E			33-33.4 RADIONAVIGATION US69  US360 G117		
33.4-34.2 RADIOLOCATION  S5.549			33.4-36 RADIOLOCATION US110 G34	33.4-36 Radiolocation US110	Private Land Mobile (90)
34.2-34.7 RADIOLOCATION SPACE RESEARCH (deep space) (Earth-to-space)  S5.549					
34.7-35.2 RADIOLOCATION Space research S5.550  S5.549					
35.2-35.5 METEOROLOGICAL AIDS RADIOLOCATION  S5.549					

<p>35.5-36 METEOROLOGICAL AIDS EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active)</p> <p>S5.549 S5.551A</p>	<p>S5.551 US252 US360 G117</p>	<p>S5.551 US252 US360</p>	
<p>36-37 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)</p> <p>S5.149</p>	<p>36-37 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)</p> <p>US263 US342</p>		
<p>37-37.5 FIXED MOBILE SPACE RESEARCH (space-to-Earth)</p>	<p>37-38 FIXED MOBILE SPACE RESEARCH (space-to-Earth)</p>	<p>37-37.6 FIXED MOBILE</p>	
<p>37.5-38 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE SPACE RESEARCH (space-to-Earth) Earth exploration-satellite (space-to-Earth)</p>		<p>37.6-38.6 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE</p>	<p>Satellite Communications (25)</p>
<p>38-39.5 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE Earth exploration-satellite (space-to-Earth)</p>	<p>38-38.6 FIXED MOBILE</p>	<p>38.6-39.5 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE</p> <p>US291</p>	<p>Auxiliary Broadcasting (74) Fixed Microwave (101)</p>
<p>39.5-40 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE MOBILE-SATELLITE (space-to-Earth) Earth exploration-satellite (space-to-Earth)</p>	<p>39.5-40 FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth)</p> <p>US291 G117</p>	<p>39.5-40 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE MOBILE-SATELLITE (space-to-Earth)</p> <p>US291</p>	

## 40-50.2 GHz (EHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
40-40.5 EARTH EXPLORATION-SATELLITE (Earth-to-space) FIXED FIXED-SATELLITE (space-to-Earth) MOBILE MOBILE-SATELLITE (space-to-Earth) SPACE RESEARCH (Earth-to-space) Earth exploration-satellite (space-to-Earth)			40-40.5 EARTH EXPLORATION-SATELLITE (Earth-to- space) FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) SPACE RESEARCH (Earth-to-space) Earth exploration-satellite (space-to-Earth)  G117	40-40.5 FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth)	Satellite Communications (25)
40.5-42.5 FIXED BROADCASTING BROADCASTING-SATELLITE Mobile	40.5-42.5 FIXED FIXED-SATELLITE (space-to-Earth) S5.551B S5.551E BROADCASTING BROADCASTING-SATELLITE Mobile		40.5-42.5	40.5-41 FIXED-SATELLITE (space-to-Earth) BROADCASTING BROADCASTING-SATELLITE Mobile Fixed  US211	
S5.551B S5.551D	S5.551C S5.551F		US211	41-42.5 FIXED BROADCASTING BROADCASTING-SATELLITE MOBILE	
42.5-43.5 FIXED FIXED-SATELLITE (Earth-to-space) S5.552 MOBILE except aeronautical mobile RADIO ASTRONOMY			42.5-43.5 FIXED FIXED-SATELLITE (Earth- to-space) MOBILE except aeronautical mobile RADIO ASTRONOMY	42.5-43.5 RADIO ASTRONOMY	
S5.149			US342	US342	

43.5-47 MOBILE S5.553 MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE	43.5-45.5 FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space)	43.5-45.5	
	G117		
	45.5-46.9 MOBILE MOBILE-SATELLITE (Earth-to-space) RADIONAVIGATION-SATELLITE		
S5.554	46.9-47 MOBILE MOBILE-SATELLITE (Earth-to-space) RADIONAVIGATION-SATELLITE	46.9-47 MOBILE MOBILE-SATELLITE (Earth-to-space) RADIONAVIGATION-SATELLITE FIXED	
	S5.554	S5.554	
47-47.2 AMATEUR AMATEUR-SATELLITE	47-48.2	47-47.2 AMATEUR AMATEUR-SATELLITE	Amateur (97)
47.2-50.2 FIXED FIXED-SATELLITE (Earth-to-space) S5.552 MOBILE		47.2-48.2 FIXED FIXED-SATELLITE (Earth-to-space) US297 MOBILE US264	
S5.149 S5.340 S5.552A S5.555	48.2-50.2 FIXED FIXED-SATELLITE (Earth-to-space) US297 MOBILE US264		Satellite Communications (25)
	S5.555 US342		

## 50.2-65 GHz (EHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
50.2-50.4 EARTH EXPLORATION-SATELLITE (passive) SPACE RESEARCH (passive)  S5.340 S5.555A			50.2-50.4 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)  US263		
50.4-51.4 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Mobile-satellite (Earth-to-space)			50.4-51.4 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE MOBILE-SATELLITE (Earth-to-space)  G117	50.4-51.4 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE MOBILE-SATELLITE (Earth-to-space)	
51.4-52.6 FIXED MOBILE  S5.547 S5.556			51.4-54.25 EARTH EXPLORATION-SATELLITE (passive) SPACE RESEARCH (passive) RADIO ASTRONOMY		
52.6-54.25 EARTH EXPLORATION-SATELLITE (passive) SPACE RESEARCH (passive)  S5.340 S5.556			US246		
54.25-55.78 EARTH EXPLORATION-SATELLITE (passive) INTER-SATELLITE S5.556A SPACE RESEARCH (passive)  S5.556B			54.25-58.2 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE MOBILE 909 SPACE RESEARCH (passive)		
55.78-56.9 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE S5.556A MOBILE S5.558 SPACE RESEARCH (passive)  S5.547 S5.557					

<p>56.9-57 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE S5.558A MOBILE S5.558 SPACE RESEARCH (passive)</p> <p>S5.547 S5.557</p>		
<p>57-58.2 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE S5.556A MOBILE S5.558 SPACE RESEARCH (passive)</p> <p>S5.547 S5.557</p>	US263	
<p>58.2-59 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)</p> <p>S5.547 S5.556</p>	<p>58.2-59 EARTH EXPLORATION-SATELLITE (passive) SPACE RESEARCH (passive) RADIO ASTRONOMY</p> <p>US246</p>	
<p>59-59.3 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE S5.556A MOBILE S5.558 RADIOLOCATION S5.559 SPACE RESEARCH (passive)</p>	<p>59-64 FIXED INTER-SATELLITE MOBILE 909 RADIOLOCATION</p>	<p>RF Devices (15) ISM Equipment (18)</p>
<p>59.3-64 FIXED INTER-SATELLITE MOBILE S5.558 RADIOLOCATION S5.559</p> <p>S5.138</p>	S5.138	
<p>64-65 FIXED INTER-SATELLITE MOBILE except aeronautical mobile</p> <p>S5.547 S5.556</p>	<p>64-65 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive)</p> <p>US246</p>	



## 65-95 GHz (EHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
65-66 EARTH EXPLORATION-SATELLITE FIXED INTER-SATELLITE MOBILE except aeronautical mobile SPACE RESEARCH S5.547			65-66 EARTH EXPLORATION-SATELLITE SPACE RESEARCH Fixed Mobile		
66-71 INTER-SATELLITE MOBILE S5.553 S5.558 MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE S5.554			66-71 MOBILE S5.553 MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE S5.554		
71-74 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE MOBILE-SATELLITE (Earth-to-space) S5.149 S5.556			71-74 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE MOBILE-SATELLITE (Earth-to-space) US270		
74-75.5 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Space research (space-to-Earth)			74-75.5 FIXED FIXED-SATELLITE (Earth-to-space) US297 MOBILE		
75.5-76 AMATEUR AMATEUR-SATELLITE Space research (space-to-Earth)			75.5-76	75.5-76 AMATEUR AMATEUR-SATELLITE	Amateur (97)
76-81 RADIOLOCATION Amateur Amateur-satellite Space research (space-to-Earth)			76-81 RADIOLOCATION	76-77 RADIOLOCATION Amateur	RF Devices (15)
				77-77.5 RADIOLOCATION Amateur Amateur-satellite	Amateur (97)

S5.560		77.5-78 RADIOLOCATION AMATEUR AMATEUR-SATELLITE	
81-84 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE MOBILE-SATELLITE (space-to-Earth) Space research (space-to-Earth)	S5.560	78-81 RADIOLOCATION Amateur Amateur-satellite	
84-86 FIXED MOBILE BROADCASTING BROADCASTING-SATELLITE	81-84 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE MOBILE-SATELLITE (space-to-Earth)	84-86 FIXED MOBILE BROADCASTING BROADCASTING-SATELLITE	
86-92 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive)	S5.561	S5.561 US211	
92-94 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE RADIOLOCATION	S5.561 US211	S5.561 US211	
94-94.1 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active)	S5.561 US211	S5.561 US211	
See next page for 94.1-95 GHz	S5.561 US211		

## 95-150 GHz (EHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
94.1-95 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE RADIOLOCATION			See previous page for 92-95 GHz		See previous page for 92-95 GHz
95-100 MOBILE S5.553 MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE Radiolocation  S5.149 S5.554 S5.555			95-100 MOBILE S5.553 MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE Radiolocation  S5.149 S5.554		
100-102 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)  S5.341			100-102 EARTH EXPLORATION-SATELLITE (passive) SPACE RESEARCH (passive)  S5.341 US246		
102-105 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE  S5.341			102-105 FIXED FIXED-SATELLITE (space-to-Earth)  S5.341 US211		
105-116 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive)  S5.340 S5.341			105-116 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY US74 SPACE RESEARCH (passive)  S5.341 US246		
116-119.98 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE MOBILE S5.558 SPACE RESEARCH (passive)  S5.341			116-119.98 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE MOBILE S5.558 SPACE RESEARCH (passive)  S5.341 US211 US263		

119.98-120.02 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE MOBILE S5.558 SPACE RESEARCH (passive) Amateur S5.341	119.98-120.02 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE MOBILE S5.558 SPACE RESEARCH (passive) Amateur S5.341 US211 US263	
120.02-126 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE MOBILE S5.558 SPACE RESEARCH (passive) S5.138	120.02-126 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE MOBILE S5.558 SPACE RESEARCH (passive) S5.138 US211 US263	ISM Equipment (18)
126-134 FIXED INTER-SATELLITE MOBILE S5.558 RADIOLOCATION S5.559	126-134 FIXED INTER-SATELLITE MOBILE 909 RADIOLOCATION S5.559	
134-142 MOBILE S5.553 MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE Radiolocation S5.149 S5.340 S5.554 S5.555	134-142 MOBILE S5.553 MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE Radiolocation S5.149 S5.554 S5.555 917	
142-144 AMATEUR AMATEUR-SATELLITE	142-144	142-144 AMATEUR AMATEUR-SATELLITE
144-149 RADIOLOCATION Amateur Amateur-satellite S5.149 S5.555	144-149 RADIOLOCATION S5.149 S5.555	144-149 RADIOLOCATION Amateur Amateur-satellite S5.149 S5.555
149-150 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE	149-150 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE	

## 150-202 GHz (EHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
150-151 EARTH EXPLORATION-SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) MOBILE SPACE RESEARCH (passive)  S5.149 S5.385			150-151 EARTH EXPLORATION-SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) MOBILE SPACE RESEARCH (passive)  S5.149 S5.385 US263		
151-156 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE			151-164 FIXED FIXED-SATELLITE (space-to-Earth)		
156-158 EARTH EXPLORATION-SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) MOBILE					
158-164 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE			US211		
164-168 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive)			164-168 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive)  US246		
168-170 FIXED MOBILE			168-170 FIXED MOBILE		
170-174.5 FIXED INTER-SATELLITE MOBILE S5.558  S5.149 S5.385			170-174.5 FIXED INTER-SATELLITE MOBILE 909  S5.149 S5.385		

174.5-176.5 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE MOBILE S5.558 SPACE RESEARCH (passive)  S5.149 S5.385	174.5-176.5 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE MOBILE 909 SPACE RESEARCH (passive)  S5.149 S5.385 US263	
176.5-182 FIXED INTER-SATELLITE MOBILE S5.558  S5.149 S5.385	176.5-182 FIXED INTER-SATELLITE MOBILE 909  S5.149 S5.385 US211	
182-185 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive)  S5.340 S5.563	182-185 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive)  US246	
185-190 FIXED INTER-SATELLITE MOBILE S5.558  S5.149 S5.385	185-190 FIXED INTER-SATELLITE MOBILE 909  S5.149 S5.385 US211	
190-200 MOBILE S5.553 MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE  S5.341 S5.554	190-200 MOBILE S5.553 MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE  S5.341 S5.554	
200-202 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)  S5.341	200-202 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)  S5.341 US263	

## 202-400 GHz (EHF)

International Table			United States Table		Remarks
Region 1	Region 2	Region 3	Federal Government	Non-Federal Government	
202-217 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE S5.341			202-217 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE S5.341		
217-231 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) S5.340 S5.341			217-231 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY US74 SPACE RESEARCH (passive) S5.341 US246		
231-235 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE Radiolocation			231-235 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE Radiolocation US211		
235-238 EARTH EXPLORATION-SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) MOBILE SPACE RESEARCH (passive)			235-238 EARTH EXPLORATION-SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) MOBILE SPACE RESEARCH (passive) US263		
238-241 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE Radiolocation			238-241 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE Radiolocation		
241-248 RADIOLOCATION Amateur Amateur-satellite S5.138			241-248 RADIOLOCATION S5.138	241-248 RADIOLOCATION Amateur Amateur-satellite S5.138	ISM Equipment (18) Amateur (97)

248-250 AMATEUR AMATEUR-SATELLITE	248-250	248-250 AMATEUR AMATEUR-SATELLITE	Amateur (97)
250-252 EARTH EXPLORATION-SATELLITE (passive) SPACE RESEARCH (passive)  S5.149 S5.555	250-252 EARTH EXPLORATION-SATELLITE (passive) SPACE RESEARCH (passive)  S5.149 S5.555		
252-265 MOBILE S5.553 MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE  S5.149 S5.385 S5.554 S5.555 S5.564	252-265 MOBILE S5.553 MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE  S5.149 S5.385 S5.554 S5.555 US211		
265-275 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE RADIO ASTRONOMY  S5.149	265-275 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE RADIO ASTRONOMY  S5.149		
275-400 (Not Allocated) S5.565	275-300 FIXED MOBILE  S5.565		
	300-400 (Not allocated)  S5.565		Amateur (97)