

U.S. Spectrum Allocations 300 - 3000 MHz

**A Vertical Bar Chart With Frequency
Bands Shown Approximately To
Scale¹**

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¹ Small bands have been enlarged slightly for legibility. This chart is optimized for printing on legal size paper with a color printer. Services and footnotes in the expanded chart were transferred directly from the FCC's online Allocation Table (Revised as of September 25, 2001) and are believed to be complete and accurate, but have not been cross-checked. Some errors are therefore possible. The official FCC Table of Frequency Allocations is the one published in the Federal Register. The text of footnotes has not been included in this chart but is available on the FCC's website. The "Special Categories" columns and general service names shown on the index page and on certain bands in the expanded chart are the author's own derivations and do not necessarily correspond to official FCC terminology. Please direct all comments, questions or corrections to the author at jwilliam@fcc.gov.

UNITED STATES SPECTRUM ALLOCATIONS 300 - 3000 MHz

BAND	BANDWIDTH (MHz)	SPECIAL CATEGORIES OF USE									GENERAL SERVICE DESCRIPTION (SEE INDICATED PAGE FOR AN EXPANDED VIEW WITH SERVICE NAMES AND FOOTNOTES FROM THE FCC'S ALLOCATION TABLE NOTE: Service names used on this page are the author's own derivations and not FCC terminology.)		
		CORE BROADCASTING	FLEXIBLE	TRANSFER BANDS	BEING CONSIDERED FOR 3G	SHARED LICENSING (PLMRS)	GUARD BAND MANAGER	GPS	CONSIDERED FOR MSS - FLEX	SOON TO BE AUCTIONED			
300-310											GOVERNMENT		
310-320											NON-GOVERNMENT		
320-330											GOVERNMENT AND NON-GOVERNMENT		
330-340											TRANSFER		
340-350											UNLICENSED		
350-400	64.5										FIXED, MOBILE, SATELLITE, NAVIGATION, WEATHER AIDS (322-450 MHz)	Page 1 (322 - 512 MHz)	
400-450	30										PRIVATE LAND MOBILE (450-470 MHz)		
450-500	42	42				42							
500-600	96	96											
600-700	84	84											
700-800	48								48				
800-900	15								15				
900-1000	12								12				
1000-1100	12								12				
1100-1200	25		25										
1200-1300	25		25										
1300-1400	26												
1400-1500	15								15				
1500-1600	15								15				
1600-1700	255												
1700-1800	25								25				
1800-1900	60												
1900-2000	60												
2000-2100	50												
2100-2200	40								40				
2200-2300	27												
2300-2400	90												
2400-2500	8												
2500-2600	51								51				
2600-2700	19												
2700-2800	19												
2800-2900	25												
2900-3000	45			45	45								
3000-3100	95				95								
3100-3200	60		60										
3200-3300	20				20								
3300-3400	60		60										
3400-3500	35				35			35					
3500-3600	85												
3600-3700	40				40								
3700-3800	35				35			35					
3800-3900	90												
3900-4000	15												
4000-4100	15												
4100-4200	25												
4200-4300	15												
4300-4400	25												
4400-4500	15												
4500-4600	33												
4600-4700	33.5												
4700-4800	15.5												
4800-5000	155				155								
5000-5100	35				35								
5100-5200	200												
5200-5300	200												
5300-5400	200												
5400-5500	200												
5500-5600	200												
5600-5700	200												
5700-5800	200												
5800-5900	200												
5900-6000	200												
6000-6100	200												
6100-6200	200												
6200-6300	200												
6300-6400	200												
6400-6500	200												
6500-6600	200												
6600-6700	200												
6700-6800	200												
6800-6900	200												
6900-7000	200												
7000-7100	200												
7100-7200	200												
7200-7300	200												
7300-7400	200												
7400-7500	200												
7500-7600	200												
7600-7700	200												
7700-7800	200												
7800-7900	200												
7900-8000	200												
8000-8100	200												
8100-8200	200												
8200-8300	200												
8300-8400	200												
8400-8500	200												
8500-8600	200												
8600-8700	200												
8700-8800	200												
8800-8900	200												
8900-9000	200												
9000-9100	200												
9100-9200	200												
9200-9300	200												
9300-9400	200												
9400-9500	200												
9500-9600	200												
9600-9700	200												
9700-9800	200												
9800-9900	200												
9900-10000	200												
COLUMN TOTALS	2778	222	200	70	485	123.47	6	116	70	78			
% OF TOTAL	100.0	8.0	7.2	2.5	17.5	4.4	0.2	4.2	2.5	2.8			

UNITED STATES SPECTRUM ALLOCATIONS

300 - 3000 MHz
(Shown Approximately To Scale)

BAND		BANDWIDTH	RADIO SERVICES FROM FCC'S ONLINE ALLOCATION TABLE Revised as of September 25, 2001
GOVERNMENT			
NON-GOVERNMENT			
GOVERNMENT AND NON-GOVERNMENT			
TRANSFER			
UNLICENSED			
322-328.6	6.6	FIXED, MOBILE, G27, S5.149.	
328.6-335.4	6.8	AERONAUTICAL RADIONAVIGATION, S5.258.	
335.4-399.9	64.5	FIXED,MOBILE, G27, G100.	
399.9-400.05	0.15	MOBILE-SATELLITE (Earth-to-space), RADIONAVIGATION-SATELLITE, S5.260, US319, US322.	
400.05-400.15	0.1	STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE (400.1 MHz), S5.261	
400.15-401	0.85	METEOROLOGICAL AIDS (radiosonde), METEOROLOGICAL-SATELLITE (space-to-Earth), MOBILE-SATELLITE (space-to-Earth), SPACE RESEARCH (space-to-Earth), Space operation (space-to-Earth), S5.263, 647B, 599B, US319, US320, US324, US70	
401-402	1	METEOROLOGICAL AIDS (radiosonde), SPACE OPERATION (space-to-Earth), Earth exploration-satellite (Earth-to-space), Meteorological-satellite (Earth-to-space), US70.	
402-403	1	METEOROLOGICAL AIDS (radiosonde), Earth exploration-satellite (Earth-to-space), Meteorological-satellite (Earth-to-space), US70, US345. <i>Personal Radio (95).</i>	
403-406	3	METEOROLOGICAL AIDS (radiosonde), US70, US345, G6.	
406-406.1	0.1	MOBILE-SATELLITE (Earth-to-space), S5.266, S5.267.	
406.1-410	3.9	FIXED,MOBILE, RADIO ASTRONOMY, US74, US13, US117, G5, G6.	
410-420	10	FIXED, MOBILE, US13, G5.	
420-450	30	RADIOLOCATION,, Amateur, S5.286, US7, US87, US217, S5.282, US228, US230, G8, G2, NG135. <i>Private Land Mobile (90), Amateur (97).</i>	
450-454	4	LAND MOBILE, S5.286, US87, NG112, NG124. <i>Auxiliary Broadcasting (74),Private Land Mobile (90).</i>	
454-455	1	FIXED, LAND MOBILE, NG12, NG112, NG148. <i>Public Mobile (22), Maritime (80).</i>	
455-456	1	LAND MOBILE. <i>Auxiliary Broadcasting (74).</i>	
456-460	4	FIXED, LAND MOBILE, S5.288, 669, NG112, NG124, NG148. <i>Public Mobile (22), Maritime (80), Private Land Mobile (90).</i>	
460-462.5375	2.53	FIXED, LAND MOBILE, S5.288, S5.289, 669, US201,US209, US216, NG124. <i>Private Land Mobile (90).</i>	
462.5375-462.7375	0.1925	LAND MOBILE, S5.288, S5.289, 669, US201,US209, US216. <i>Personal Radio (95).</i>	
462.7375-467.5375	4.79	FIXED, LAND MOBILE, S5.288, S5.289, 669, US201,US209, US216, NG124. <i>Private Land Mobile (90).</i>	
467.5375-467.7375	0.1925	LAND MOBILE, S5.288, S5.289, 669, US201,US209, US216. <i>Personal Radio (95).</i>	
467.7375-470	2.26	FIXED, LAND MOBILE, S5.288, S5.289, 669, US201,US209, US216, NG124. <i>Private Land Mobile (90).</i>	
470-512	42	FIXED, BROADCASTING, LAND MOBILE, NG66, NG114, NG127, NG128, NG149. <i>Public Mobile (22), Broadcast Radio (TV) (73), Auxiliary Broadcasting (74), Private Land Mobile (90).</i> CORE TV BAND Channels 14 - 21.	

512-608	96	BROADCASTING, NG128, NG149. <i>Broadcast Radio (TV)(73), Auxiliary Broadcasting (74)</i> . CORE TV BAND Channels 15 - 36.
608-614	6	LAND MOBILE, RADIO ASTRONOMY, US74, US246, US350. Personal (95)
614-698	84	BROADCASTING, NG128, NG149. <i>Broadcast Radio (TV) (73), Auxiliary Broadcast. (74)</i> . CORE TV BAND Channels 38 - 51.
698-746	48	FIXED, MOBILE, BROADCASTING, NG128, NG149. <i>Wireless Communications (27), Broadcast Radio (TV) (73), Auxiliary Broadcast (74), Private Land Mobile (90)</i> . FLEXIBLE

Expanded Chart

746-747	1	FIXED, MOBILE, BROADCASTING, NG128, NG159. <i>Wireless Communications (27), Broadcast Radio (TV) (73), Auxiliary Broadcast (74), Private Land Mobile (90)</i> . GUARD BAND MANAGER
747-762	15	FIXED, MOBILE, BROADCASTING, NG128, NG159. <i>Wireless Communications (27), Broadcast Radio (TV) (73), Auxiliary Broadcast (74), Private Land Mobile (90)</i> . FLEXIBLE
762-764	2	FIXED, MOBILE, BROADCASTING, NG128, NG159. <i>Wireless Communications (27), Broadcast Radio (TV) (73), Auxiliary Broadcast (74), Private Land Mobile (90)</i> . GUARD BAND MANAGER
764-776	12	FIXED, MOBILE, NG128, NG158, NG159. <i>Auxiliary Broadcasting (74), Private Land Mobile (90)</i> . PUBLIC SAFETY
776-777	1	FIXED, MOBILE, BROADCASTING, NG128, NG159. <i>Wireless Communications (27), Broadcast Radio (TV) (73), Auxiliary Broadcast (74), Private Land Mobile (90)</i> . GUARD BAND MANAGER
777-792	15	FIXED, MOBILE, BROADCASTING, NG128, NG159. <i>Wireless Communications (27), Broadcast Radio (TV) (73), Auxiliary Broadcast (74), Private Land Mobile (90)</i> . FLEXIBLE
792-794	2	FIXED, MOBILE, BROADCASTING. <i>Wireless Communications (27), Broadcast Radio (TV) (73), Auxiliary Broadcast (74), Private Land Mobile (90)</i> . GUARD BAND MANAGER
794-806	12	FIXED, MOBILE, NG128, NG158, NG159. <i>Auxiliary Broadcasting (74), Private Land Mobile (90)</i> . PUBLIC SAFETY
806-809.75	3.75	FIXED, LAND MOBILE, NG30, NG31, NG43, NG63. <i>Public Mobile (22), Private Land Mobile (90)</i> . SMR
809.75-816	6.25	FIXED, LAND MOBILE, NG30, NG31, NG43, NG63. <i>Public Mobile (22), Private Land Mobile (90)</i> . PLMRS AND SMR (INTERLEAVED)
816-821	5	FIXED, LAND MOBILE, NG30, NG31, NG43, NG63. <i>Public Mobile (22), Private Land Mobile (90)</i> . SMR
821-824	3	LAND MOBILE, NG30, NG43, NG63. <i>Private Land Mobile (90)</i> . PUBLIC SAFETY
824-849	25	FIXED, LAND MOBILE. NG30, NG43, NG63, NG151, <i>Public Mobile (22)</i> . CELLULAR
849-851	2	AERONAUTICAL MOBILE, NG30, NG63. <i>Public Mobile (22)</i> .
851-854.75	3.75	FIXED, LAND MOBILE, NG30, NG31, NG63. <i>Public Mobile (22), Private Land Mobile (90)</i> . SMR
854.75-861	6.25	FIXED, LAND MOBILE, NG30, NG31, NG63. <i>Public Mobile (22), Private Land Mobile (90)</i> . PLMRS AND SMR (INTERLEAVED)
861-866	5	FIXED, LAND MOBILE, NG30, NG31, NG63. <i>Public Mobile (22), Private Land Mobile (90)</i> . SMR
866-869	3	LAND MOBILE, NG30, NG63. <i>Private Land Mobile (90)</i> .
869-894	25	FIXED, LAND MOBILE, US116, US268, NG30, NG63, NG151. <i>Public Mobile (22)</i> .
894-896	2	AERONAUTICAL MOBILE, US116, US268. <i>Public Mobile (22)</i> .
896-901	5	FIXED, LAND MOBILE, US116, US268, G2. <i>Private Land Mobile (90)</i> .
901-902	1	FIXED, MOBILE, US116, US268, G2. <i>Personal Communications (24)</i> .
902-928	26	RADIOLOCATION, G59, S5.150, US215, US218, US267, US275, G11. <i>ISM Equipment (18), Private Land Mobile (90), Amateur (97)</i> .
928-929	1	FIXED, US116, US215, US268, NG120, G2. <i>Public Mobile (22), Private Land Mobile (90), Fixed Microwave (101)</i>
929-930	1	FIXED, LAND MOBILE, US116, US215, US268, G2. <i>Private Land Mobile (90)</i> .
930-931	1	FIXED, LAND MOBILE, US116, US215, US268, G2. <i>Personal Communications (24)</i> .
931-932	1	FIXED, LAND MOBILE, US116, US215, US268, G2. <i>Public Mobile (22)</i> .
932-935	3	FIXED, US215, US268, G2, NG120. <i>Public Mobile (22), Fixed Microwave (101)</i> .
935-940	5	FIXED, LAND MOBILE, US116, US215, US268, G2. <i>Private Land Mobile (90)</i>
940-941	1	FIXED, MOBILE, US116, US268, G2. <i>Personal Communications (24)</i> .
941-944	3	FIXED, US268, US301, US302, G2, NG120. <i>Public Mobile (22), Fixed Microwave (101)</i> .
944-960	16	FIXED, NG120. <i>Public Mobile (22), International Fixed (23), Auxiliary Broadcast (74), Fixed Microwave (101)</i> .

960-1215

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AERONAUTICAL RADIONAVIGATION, S5.328, US224. *Aviation (87)*.

1215-1240	25	RADIOLOCATION, RADIONAVIGATION-SATELLITE (space-to-Earth), S5.333, G56, GPS BAND
1240-1300	60	RADIOLOCATION, Amateur, S5.333. Amateur (97)
1300-1350	50	AERONAUTICAL RADIONAVIGATION, Radiolocation, G2, S5.149
1350-1390	40	FIXED, MOBILE, RADIOLOCATION, G2, S5.149, S5.334, S5.339, US311, G27, G114
1390-1395	5	RADIOLOCATION, Fixed, Mobile, G2, S5.149, S5.339, US311, US351, G27, G114. Note: 1390-1395 MHz became non-Federal Government exclusive spectrum in January 1999.
1395-1400	5	LAND MOBILE, US350, S5.149, US5.339, US311, US351. Personal (95)
1400-1427	27	EARTH EXPLORATION-SATELLITE (passive), RADIO ASTRONOMY, SPACE RESEARCH (passive), S5.341, US74, US246
1427-1429	2	SPACE OPERATION (Earth-to-space), FIXED, MOBILE except aeronautical mobile, 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.
1429-1432	3	LAND MOBILE, Fixed (telemetry), Land mobile (telemetry and telecommand), US350, S5.341, US352. Private Land Mobile (90), Personal (95).
1432-1435	3	FIXED, MOBILE, Fixed (telemetry), Land mobile (telemetry and telecommand), S5.341, G30. Private Land Mobile (90), Note: 1432-1435 MHz became mixed-use spectrum in January 1999.

Expanded Chart

1435-1525	90	MOBILE (aeronautical telemetry), S5.341, US78. Aviation (87)
1525-1530	5	MOBILE-SATELLITE (space-to-Earth), Mobile (aeronautical telemetry), S5.341, S5.351, US78. <i>Satellite Communications (25), Aviation (87).</i>
1530-1535	5	MOBILE-SATELLITE (space-to-Earth), MARITIME MOBILE-SATELLITE (space-to-Earth), Mobile (aeronautical telemetry), S5.341, S5.351, US78, US315.
1535-1544	9	MOBILE-SATELLITE (space-to-Earth), MARITIME MOBILE-SATELLITE (space-to-Earth), S5.341, S5.351, US315. <i>Satellite Communications (25), Maritime (80)</i>
1544-1545	1	MOBILE-SATELLITE (space-to-Earth), S5.341, S5.356. <i>Satellite Communications (25), Maritime (80)</i>
1545-1549.5	4.5	AERONAUTICAL MOBILE-SATELLITE (R) (space-to-Earth), Mobile-satellite (space-to-Earth), S5.341, S5.351, US308, US309. <i>Aviation (87).</i>
1549.5-1558.5	9	AERONAUTICAL MOBILE-SATELLITE (R) (space-to-Earth), MOBILE-SATELLITE (space-to-Earth), S5.341, S5.351, US308, US309. <i>Aviation (87)</i>
1558.5-1559	0.5	AERONAUTICAL MOBILE-SATELLITE (R) (space-to-Earth), S5.341, S5.351, US308, US309. <i>Aviation (87).</i>
1559-1610	51	AERONAUTICAL RADIONAVIGATION, RADIONAVIGATION-SATELLITE (space-to-Earth), S5.341, US208, US260. <i>Aviation (87), Note: The NTIA Manual (footnote G126) states that differential GPS stations may be authorized in the 1559-1610 MHz band, but the FCC has not yet addressed this footnote.</i>
1610-1610.6	0.6	MOBILE-SATELLITE (Earth-to-space), AERONAUTICAL RADIONAVIGATION, RADIODETERMINATION-SATELLITE (Earth-to-space), US319, US260. <i>Satellite Communications (25), Aviation (87).</i>
1610.6-1613.8	3.2	MOBILE-SATELLITE (Earth-to-space), RADIO ASTRONOMY, AERONAUTICAL RADIONAVIGATION, RADIODETERMINATION-SATELLITE (Earth-to-space), US319, US260, S5.341, S5.364, S5.366, S5.367, S5.368, S5.372, US208. <i>Satellite Communications (25), Aviation (87).</i>
1613.8-1626.5	12.7	MOBILE-SATELLITE (Earth-to-space), AERONAUTICAL RADIONAVIGATION, RADIODETERMINATION-SATELLITE (Earth-to-space), Mobile-satellite (space-to-Earth), US319, US260, S5.341, S5.364, S5.365, S5.366, S5.367, S5.368, S5.372, US208. <i>Satellite Communications (25), Aviation (87).</i>
1626.5-1645.5	19	MOBILE-SATELLITE (Earth-to-space), MARITIME MOBILE-SATELLITE (Earth-to-space), S5.341, S5.351, US315. <i>Satellite Communications (25), Maritime (80).</i>
1645.5-1646.5	1	MOBILE-SATELLITE (Earth-to-space), S5.341, S5.375.
1646.5-1651	4.5	AERONAUTICAL MOBILE-SATELLITE (R) (Earth-to-space), Mobile-satellite (Earth-to-space), S5.341, S5.351, US308, US309. <i>Aviation (87)</i>
1651-1660	9	MOBILE-SATELLITE (Earth-to-space), AERONAUTICAL MOBILE-SATELLITE (R) (Earth-to-space), S5.341, S5.351, US308, US309.
1660-1660.5	0.5	AERONAUTICAL MOBILE-SATELLITE (R) (Earth-to-space), RADIO ASTRONOMY, S5.149, S5.341, S5.351, US308, US309.
1660.5-1668.4	7.9	RADIO ASTRONOMY, SPACE RESEARCH (passive), S5.341, US246.
1668.4-1670	1.6	METEOROLOGICAL AIDS (radiosonde), RADIO ASTRONOMY, US74, S5.149, S5.341, US99.
1670-1675	5	METEOROLOGICAL AIDS (radiosonde), METEOROLOGICAL-SATELLITE (space-to-Earth), S5.341, US211. <i>Note: 1670-1675 MHz became mixed-use spectrum in January 1999.</i>

1675-1700	25	METEOROLOGICAL AIDS (radiosonde), METEOROLOGICAL-SATELLITE (space-to-Earth), S5.289, S5.341, US211.
1700-1710	10	FIXED, METEOROLOGICAL-SATELLITE (space-to-Earth), Fixed, G118, S5.289, S5.341.
1710-1755	45	FIXED, MOBILE, 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	95	FIXED, MOBILE, G42.
1850-1910	60	FIXED, MOBILE. <i>Personal Communications (24). Fixed Microwave (101).</i>
1910-1930	20	FIXED, MOBILE. <i>RF Devices (15)</i>

1930-1990	60	FIXED, MOBILE. <i>Personal Communications (24). Fixed Microwave (101).</i>
1990-2025	35	MOBILE-SATELLITE (Earth-to-space), NG156. <i>Satellite Communications (25)</i>
2025-2110	85	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), FIXED, MOBILE, S5.391, S5.392, US90, US222, US346, US347, NG23, NG118, S5.391, S5.392, US90, US222, US346, US347. <i>TV Auxiliary Broadcasting (74F), Cable TV Relay (78), Local TV Transmission (101J).</i>
2110-2150	40	FIXED, MOBILE, US252, NG23. <i>Public Mobile (22), Fixed Microwave (101), Note: 2110-2150 MHz must be auctioned by September 30, 2002.</i>
2150-2160	10	FIXED, NG23. <i>Domestic Public Fixed (21), Fixed Microwave (101).</i>
2160-2165	5	FIXED, MOBILE, NG153, NG23. <i>Domestic Public Fixed (21), Public Mobile (22), Fixed Microwave (101).</i>

2165-2200	35	MOBILE-SATELLITE (space-to-Earth), NG23, NG168. Satellite Communications (25).
2200-2290	90	SPACE OPERATION (space-to-Earth) (space-to-space), EARTH EXPLORATION-SATELLITE (space-to-Earth) (space-to-space), FIXED (line-of-sight only), MOBILE (line-of-sight only including aeronautical tele-metry, but excluding flight testing of manned aircraft), SPACE RESEARCH (space-to-Earth) (space-to-space), S5.392 US303.
2290-2300	10	FIXED, MOBILE except aeronautical mobile, SPACE RESEARCH (deep space) (space-to-Earth).
2300-2305	5	Amateur, G123. Amateur (97), Note: 2300-2305 MHz became non-Federal Government exclusive spectrum in August 1995.
2305-2310	5	FIXED, MOBILE except aeronautical mobile, RADIOLOCATION, Amateur, US338, G123. Wireless Communications (27), Amateur (97).
2310-2320	10	FIXED, MOBILE, RADIOLOCATION, BROADCASTING-SATELLITE, Fixed, Mobile, Radiolocation, US339, US328, US327, S5.396, G120, US338. Wireless Communications (27).
2320-2345	25	BROADCASTING-SATELLITE, Fixed, Mobile, Radiolocation, US327, US276, US328, S5.396
2345-2360	15	FIXED, MOBILE, RADIOLOCATION, BROADCASTING-SATELLITE, Fixed, Mobile, Radiolocation, US339, US328, US327, S5.396, G120, US338. Wireless Communications (27).
2360-2385	25	MOBILE, RADIOLOCATION, Fixed, G2, G120, US276.
2385-2390	5	MOBILE, RADIOLOCATION, Fixed, MOBILE, US276 US276, G2, G120. Note: 2385-2390 MHz will become non-Federal Government exclusive spectrum in January 2005.

2390-2400	10	AMATEUR, G122. RF Devices (15), Amateur (97)
2400-2402	2	Amateur, S5.150, G123, S5.282. ISM Equipment (18), Amateur (97).
2402-2417	15	AMATEUR, S5.150, S5.282, G122. RF Devices (15), ISM Equipment (18), Amateur (97).
2417-2450	33	Radiolocation, Amateur, S5.150, S5.282, G2, G124. ISM Equipment (18), Amateur (97)
2450-2483.5	33.5	FIXED, MOBILE, Radiolocation, S5.150, US41. ISM Equipment (18), Private Land Mobile (90), Fixed Microwave (101).
2483.5-2500	16.5	MOBILE-SATELLITE (space-to-Earth), RADIODETERMINATION-SATELLITE (space-to-Earth), MOBILE-SATELLITE (space-to-Earth), RADIODETERMINATION-SATELLITE (space-to-Earth), S5.398, S5.150, S5.402, US319, US41, NG147. ISM Equipment (18), Satellite Communications (25), Private Land Mobile (90), Fixed Microwave (101).
2500-2655	155	FIXED, FIXED-SATELLITE (space-to-Earth), MOBILE except aeronautical mobile, BROADCASTING-SATELLITE, S5.409, S5.411, US205, NG101, NG102. Domestic Public Fixed (21), Auxiliary Broadcasting (74)

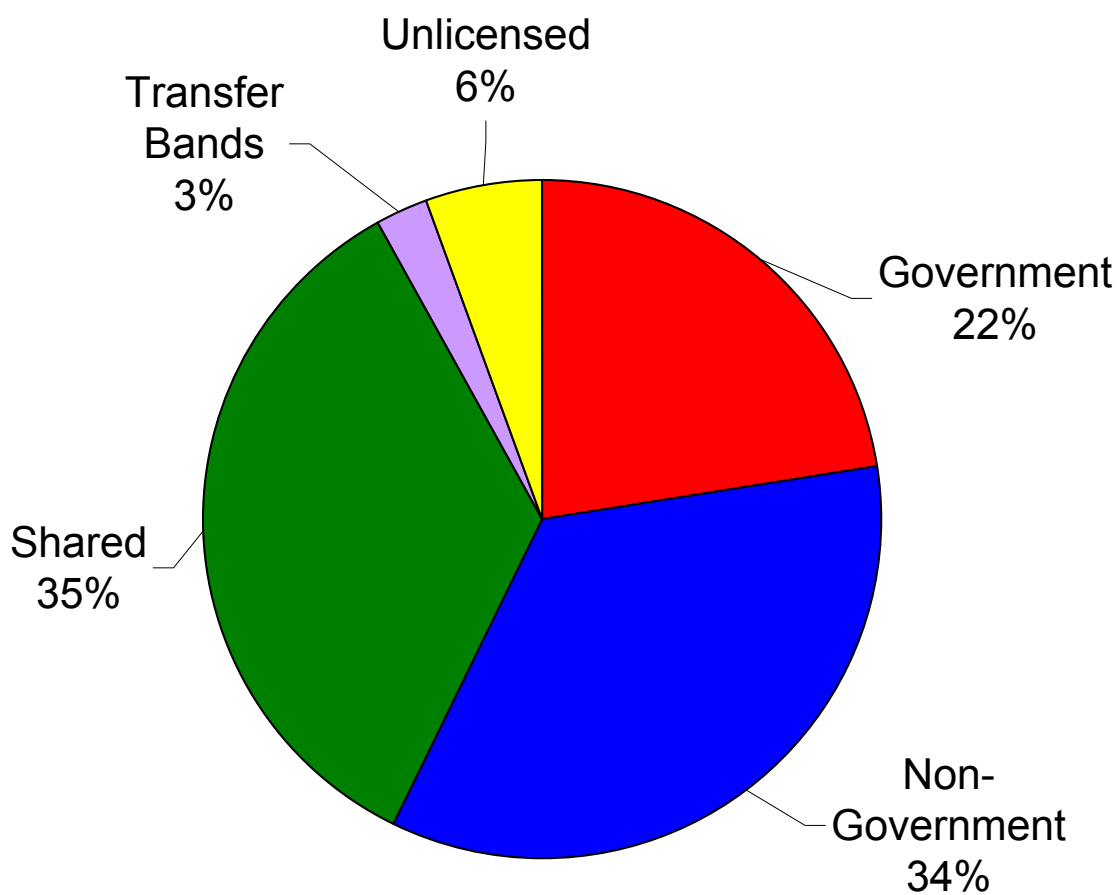
2655-2690	35	FIXED, FIXED-SATELLITE (Earth-to-space), MOBILE except aeronautical mobile, BROADCASTING-SATELLITE, Earth exploration-satellite (passive), Radio astronomy, Space research (passive), US205, NG101, NG102. Domestic Public Fixed (21), Auxiliary Broadcasting (74).
2690-2700	10	EARTH EXPLORATION-SATELLITE (passive), RADIO ASTRONOMY, SPACE RESEARCH (passive), US74, US246.
2700-2900	200	AERONAUTICAL RADIO-NAVIGATION, METEOROLOGICAL AIDS, Radiolocation, G2, S5.337, S5.423, US18, G15

2900-3100 200 MARITIME RADIONAVIGATION, Radiolocation, G56, S5.427, US44, US316. *Maritime (80), Private Land Mobile (90).*

300-3000 MHz

Division of Spectrum Between Government and Non-Government

	G	NG	G/NG	T	UL
MHz	621.6	964.97	965.4	70	156
%	22.38	34.74	34.75	2.52	5.62
Total	2778				



United States Spectrum Allocations 300-3000 MHz

BANDS LISTED IN FCC ALLOCATION TABLE IN THE RANGE 322 - 3100 MHz	DESCRIPTION OF SERVICES FROM FCC ALLOCATION TABLE AND OTHER RULES	
	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="width: 15px; height: 10px; background-color: red; margin-bottom: 2px;"></div> GOVERNMENT <div style="width: 15px; height: 10px; background-color: blue; margin-bottom: 2px;"></div> NON-GOVERNMENT <div style="width: 15px; height: 10px; background-color: green; margin-bottom: 2px;"></div> SHARED <div style="width: 15px; height: 10px; background-color: purple; margin-bottom: 2px;"></div> TRANSFER BAND <div style="width: 15px; height: 10px; background-color: yellow; margin-bottom: 2px;"></div> UNLICENSED </div>	<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center; margin: 0;">TEXT CODING:</p> <p style="margin: 0;">ALL CAPS - PRIMARY ALLOCATION</p> <p style="margin: 0;">FIRST LETTER CAPS - Secondary Allocation</p> <p style="margin: 0;">RED - GOVERNMENT</p> <p style="margin: 0;">BLUE - NON-GOVERNMENT</p> <p style="margin: 0;">GREEN - GOVERNMENT AND NON-GOVERNMENT</p> <p style="margin: 0;"><i>ITALICS</i> - FCC Service Name and (R/le Part No).</p> <p style="margin: 0;">BLACK - FOOTNOTES AND OTHER INFORMATION</p> </div>
322-328.6		FIXED, MOBILE, <i>G27, S5.149.</i>
328.6-335.4		AERONAUTICAL RADIONAVIGATION, S5.258.
335.4-399.9		FIXED, MOBILE, <i>G27, G100.</i>
399.9-400.05		MOBILE-SATELLITE (Earth-to-space), RADIONAVIGATION-SATELLITE, S5.260, US319, US322.
400.05-400.15		STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE (400.1 MHz), S5.261
400.15-401		METEOROLOGICAL AIDS (radiosonde), METEOROLOGICAL-SATELLITE (space-to-Earth), MOBILE-SATELLITE (space-to-Earth), SPACE RESEARCH (space-to-Earth), Space operation (space-to-Earth), S5.263, 647B,
401-402		METEOROLOGICAL AIDS (radiosonde), SPACE OPERATION (space-to-Earth), Earth exploration-satellite (Earth-to-space), Meteorological-satellite (Earth-to-space), US70.
402-403		METEOROLOGICAL AIDS (radiosonde), Earth exploration-satellite (Earth-to-space), Meteorological-satellite (Earth-to-space), US70, US345. <i>Personal Radio (95)</i> .
403-406		METEOROLOGICAL AIDS (radiosonde), US70, US345, G6.
406-406.1		MOBILE-SATELLITE (Earth-to-space), S5.266, S5.267.
406.1-410		FIXED, MOBILE, RADIO ASTRONOMY, US74, US13, US117, G5, G6.
410-420		FIXED, MOBILE, US13, G5.
420-450		RADIOLOCATION, Amateur, S5.286, US7, US87, US217, S5.282, US228, US230, G8, G2, NG135. <i>Private Land Mobile (90), Amateur (97)</i> .
450-454		LAND MOBILE, S5.286, US87, NG112, NG124. <i>Auxiliary Broadcasting (74), Private Land Mobile (90)</i> .
454-455		FIXED, LAND MOBILE, NG12, NG112, NG148. <i>Public Mobile (22), Maritime (80)</i> .
455-456		LAND MOBILE. <i>Auxiliary Broadcasting (74)</i> .
456-460		FIXED, LAND MOBILE, S5.288, 669, NG112, NG124, NG148. <i>Public Mobile (22), Maritime (80), Private Land Mobile (90)</i> .
460-462.5375		FIXED, LAND MOBILE, S5.288, S5.289, 669, US201, US209, US216, NG124. <i>Private Land Mobile (90)</i> .
462.5375-462.7375		LAND MOBILE, S5.288, S5.289, 669, US201, US209, US216. <i>Personal Radio (95)</i> .
462.7375-467.5375		FIXED, LAND MOBILE, S5.288, S5.289, 669, US201, US209, US216, NG124. <i>Private Land Mobile (90)</i> .
467.5375-467.7375		LAND MOBILE, S5.288, S5.289, 669, US201, US209, US216. <i>Personal Radio (95)</i> .
467.7375-470		FIXED, LAND MOBILE, S5.288, S5.289, 669, US201, US209, US216, NG124. <i>Private Land Mobile (90)</i> .
470-512		FIXED, BROADCASTING, LAND MOBILE, NG66, NG114, NG127, NG128, NG149. <i>Public Mobile (22), Broadcast Radio (TV) (73), Auxiliary Broadcasting (74), Private Land Mobile (90)</i> . CORE TV BAND
512-608		BROADCASTING, NG128, NG149. <i>Broadcast Radio (TV) (73), Auxiliary Broadcasting (74)</i> . CORE TV BAND
608-614		LAND MOBILE, RADIO ASTRONOMY, US74, US246, US350. <i>Personal (95)</i>
614-698		BROADCASTING, NG128, NG149. <i>Broadcast Radio (TV) (73), Auxiliary Broadcast. (74)</i> . CORE TV BAND
698-746		FIXED, MOBILE, BROADCASTING, NG128, NG149. <i>Wireless Communications (27), Broadcast Radio (TV) (73), Auxiliary Broadcast (74), Private Land Mobile (90)</i> . FLEXIBLE
746-747		FIXED, MOBILE, BROADCASTING, NG128, NG159. <i>Wireless Communications (27), Broadcast Radio (TV) (73), Auxiliary Broadcast (74), Private Land Mobile (90)</i> . GUARD BAND MANAGER
747-762		FIXED, MOBILE, BROADCASTING, NG128, NG159. <i>Wireless Communications (27), Broadcast Radio (TV) (73), Auxiliary Broadcast (74), Private Land Mobile (90)</i> . FLEXIBLE
762-764		FIXED, MOBILE, BROADCASTING, NG128, NG159. <i>Wireless Communications (27), Broadcast Radio (TV) (73), Auxiliary Broadcast (74), Private Land Mobile (90)</i> . GUARD BAND MANAGER
764-776		FIXED, MOBILE, NG128, NG158, NG159. <i>Auxiliary Broadcasting (74), Private Land Mobile (90)</i> . PUBLIC SAFETY
776-777		FIXED, MOBILE, BROADCASTING, NG128, NG159. <i>Wireless Communications (27), Broadcast Radio (TV) (73), Auxiliary Broadcast (74), Private Land Mobile (90)</i> . GUARD BAND MANAGER
777-792		FIXED, MOBILE, BROADCASTING, NG128, NG159. <i>Wireless Communications (27), Broadcast Radio (TV) (73), Auxiliary Broadcast (74), Private Land Mobile (90)</i> . FLEXIBLE
792-794		FIXED, MOBILE, BROADCASTING. <i>Wireless Communications (27), Broadcast Radio (TV) (73), Auxiliary Broadcast (74), Private Land Mobile (90)</i> . GUARD BAND MANAGER
794-806		FIXED, MOBILE, NG128, NG158, NG159. <i>Auxiliary Broadcasting (74), Private Land Mobile (90)</i> . PUBLIC SAFETY
806-809.75		FIXED, LAND MOBILE, NG30, NG31, NG43, NG63. <i>Public Mobile (22), Private Land Mobile (90)</i> . SMR
809.75-816		FIXED, LAND MOBILE, NG30, NG31, NG43, NG63. <i>Public Mobile (22), Private Land Mobile (90)</i> . PLMRS AND SMR (INTERLEAVED)
816-821		FIXED, LAND MOBILE, NG30, NG31, NG43, NG63. <i>Public Mobile (22), Private Land Mobile (90)</i> . SMR
821-824		LAND MOBILE, NG30, NG43, NG63. <i>Private Land Mobile (90)</i> . PUBLIC SAFETY
824-849		FIXED, LAND MOBILE, NG30, NG43, NG63, NG151, <i>Public Mobile (22)</i> . CELLULAR
849-851		AERONAUTICAL MOBILE, NG30, NG63. <i>Public Mobile (22)</i> .
851-854.75		FIXED, LAND MOBILE, NG30, NG31, NG63. <i>Public Mobile (22), Private Land Mobile (90)</i> . SMR
854.75-861		FIXED, LAND MOBILE, NG30, NG31, NG63. <i>Public Mobile (22), Private Land Mobile (90)</i> . PLMRS AND SMR (INTERLEAVED)
861-866		FIXED, LAND MOBILE, NG30, NG31, NG63. <i>Public Mobile (22), Private Land Mobile (90)</i> . SMR
866-869		LAND MOBILE, NG30, NG63. <i>Private Land Mobile (90)</i> .
869-894		FIXED, LAND MOBILE, US116, US268, NG30, NG63, NG151. <i>Public Mobile (22)</i> .
894-896		AERONAUTICAL MOBILE, US116, US268. <i>Public Mobile (22)</i> .
896-901		FIXED, LAND MOBILE, US116, US268, G2. <i>Private Land Mobile (90)</i> .
901-902		FIXED, MOBILE, US116, US268, G2. <i>Personal Communications (24)</i> .
902-928		RADIOLOCATION, G59, S5.150, US215, US218, US267, US275, G11. <i>ISM Equipment (18), Private Land Mobile (90), Amateur (97)</i> .
928-929		FIXED, US116, US215, US288, NG120, G2. <i>Public Mobile (22), Private Land Mobile (90), Fixed Microwave (101)</i>
929-930		FIXED, LAND MOBILE, US116, US215, US268, G2. <i>Private Land Mobile (90)</i> .
930-931		FIXED, LAND MOBILE, US116, US215, US268, G2. <i>Personal Communications (24)</i> .
931-932		FIXED, LAND MOBILE, US116, US215, US268, G2. <i>Public Mobile (22)</i> .
932-935		FIXED, US215, US268, G2, NG120. <i>Public Mobile (22), Fixed Microwave (101)</i> .
935-940		FIXED, LAND MOBILE, US116, US215, US268, G2. <i>Private Land Mobile (90)</i> .
940-941		FIXED, MOBILE, US116 US268 G2. <i>Personal Communications (24)</i> .
941-944		FIXED, US268, US301, US302, G2, NG120. <i>Public Mobile (22), Fixed Microwave (101)</i> .
944-960		FIXED, NG120. <i>Public Mobile (22), International Fixed (23), Auxiliary Broadcast. (74), Fixed Microwave (101)</i> .
960-1215		AERONAUTICAL RADIONAVIGATION, S5.328, US224. <i>Aviation (87)</i> .
1215-1240		RADIOLOCATION, RADIONAVIGATION-SATELLITE (space-to-Earth), S5.333, G56, GPS BAND
1240-1300		RADIOLOCATION, Amateur, S5.333. <i>Amateur (97)</i>
1300-1350		AERONAUTICAL RADIONAVIGATION, Radiolocation, G2, S5.149
1350-1390		FIXED, MOBILE, RADIOLOCATION, G2, S5.149, S5.334, S5.339, US311, G27, G114
1390-1395		RADIOLOCATION, Fixed, Mobile, G2, S5.149, S5.339, US311, US351, G27, G114. <i>Note: 1390-1395 MHz became non-Federal Government exclusive spectrum in January 1999.</i>
1395-1400		LAND MOBILE, US350, S5.149, US5.339, US311, US351. <i>Personal (95)</i>
1400-1427		EARTH EXPLORATION-SATELLITE (passive), RADIO ASTRONOMY, SPACE RESEARCH (passive), S5.341, US74, US246
1427-1429		SPACE OPERATION (Earth-to-space), FIXED, MOBILE except aeronautical mobile, Fixed (telemetry), Land mobile (telemetry and telecommand), S5.341. <i>Satellite Communications (25), Private Land Mobile (90), Note: 1427-</i>
1429-1432		LAND MOBILE, Fixed (telemetry), Land mobile (telemetry and telecommand), US350, S5.341, US352. <i>Private Land Mobile (90), Personal (95)</i> .
1432-1435		FIXED, MOBILE, Fixed (telemetry), Land mobile (telemetry and telecommand), S5.341, G30. <i>Private Land Mobile (90), Note: 1432-1435 MHz became mixed-use spectrum in January</i>
1435-1525		MOBILE (aeronautical telemetry), S5.341, US78. <i>Aviation (87)</i>
1525-1530		MOBILE-SATELLITE (space-to-Earth), Mobile (aeronautical telemetry), S5.341, S5.351, US78. <i>Satellite Communications (25), Aviation (87)</i> .
1530-1535		MOBILE-SATELLITE (space-to-Earth), MARITIME MOBILE-SATELLITE (space-to-Earth), Mobile (aeronautical telemetry), S5.341, S5.351, US78, US315.
1535-1544		MOBILE-SATELLITE (space-to-Earth), MARITIME MOBILE-SATELLITE (space-to-Earth), S5.341, S5.351, US315. <i>Satellite Communications (25), Maritime (80)</i>
1544-1545		MOBILE-SATELLITE (space-to-Earth), S5.341, S5.356. <i>Satellite Communications (25), Maritime (80)</i>
1545-1549.5		AERONAUTICAL MOBILE-SATELLITE (R) (space-to-Earth), Mobile-satellite (space-to-Earth), S5.341, S5.351, US308, US309. <i>Aviation (87)</i> .
1549.5-1558.5		AERONAUTICAL MOBILE-SATELLITE (R) (space-to-Earth), MOBILE-SATELLITE (space-to-Earth), S5.341, S5.351, US308, US309. <i>Aviation (87)</i>
1558.5-1559		AERONAUTICAL MOBILE-SATELLITE (R) (space-to-Earth), S5.341, S5.351, US308, US309. <i>Aviation (87)</i> .
1559-1610		AERONAUTICAL RADIONAVIGATION, RADIONAVIGATION-SATELLITE (space-to-Earth), S5.341, US208, US260. <i>Aviation (87), Note: The NTIA Manual (footnote G126) states that differential GPS stations may be authorized</i>
1610-1610.6		MOBILE-SATELLITE (Earth-to-space), AERONAUTICAL RADIONAVIGATION, RADIODETERMINATION-SATELLITE (Earth-to-space), US319, US260. <i>Satellite Communications (25), Aviation (87)</i> .
1610.6-1613.8		MOBILE-SATELLITE (Earth-to-space), RADIO ASTRONOMY, AERONAUTICAL RADIONAVIGATION, RADIODETERMINATION-SATELLITE (Earth-to-space), US319, US260, S5.341, S5.364, S5.366, S5.367, S5.368, S5.372.
1613.8-1626.5		MOBILE-SATELLITE (Earth-to-space), AERONAUTICAL RADIONAVIGATION, RADIODETERMINATION-SATELLITE (Earth-to-space), Mobile-satellite (space-to-Earth), US319, US216, US260,
1626.5-1645.5		MOBILE-SATELLITE (Earth-to-space), MARITIME MOBILE-SATELLITE (Earth-to-space), S5.341, S5.351, US315. <i>Satellite Communications (25)</i> ,
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), S5.341, S5.351, US308, US309. <i>Aviation (87)</i>
1651-1660		MOBILE-SATELLITE (Earth-to-space), AERONAUTICAL MOBILE-SATELLITE (R) (Earth-to-space), S5.341, S5.351, US308, US309.
1660-1660.5		AERONAUTICAL MOBILE-SATELLITE (R) (Earth-to-space), RADIO ASTRONOMY, S5.149, S5.341, S5.351, US308, US309.
1660.5-1668.4		RADIO ASTRONOMY, SPACE RESEARCH (passive), S5.341, US246.
1668.4-1670		METEOROLOGICAL AIDS (radiosonde), RADIO ASTRONOMY, US74, S5.149, S5.341, US99.
1670-1675		METEOROLOGICAL AIDS (radiosonde), METEOROLOGICAL-SATELLITE (space-to-Earth), S5.341, US211. <i>Note: 1670-1675 MHz became mixed-use spectrum in January 1999.</i>
1675-1700		METEOROLOGICAL AIDS (radiosonde)
1700-1710		FIXED, METEOROLOGICAL-SATELLITE (space-to-Earth), Fixed, G118, S5.289, S5.341.
1710-1755		FIXED, MOBILE, S5.341, US256. <i>Note: Proceeds from the auction of the 1710-1755 MHz mixed-use band are to be deposited not later than September 30, 2002.</i>
1755-1850		FIXED, MOBILE, G42.
1850-1910		FIXED, MOBILE. <i>Personal Communications (24), Fixed Microwave (101)</i> .
1910-1930		FIXED, MOBILE. <i>RF Devices (15)</i>
1930-1990		FIXED, MOBILE. <i>Personal Communications (24), Fixed Microwave (101)</i> .
1990-2025		MOBILE-SATELLITE (Earth-to-space), NG156. <i>Satellite Communications (25)</i>
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), FIXED, MOBILE, S5.391, S5.392,
2110-2150		FIXED, MOBILE, US252, NG23. <i>Public Mobile (22), Fixed Microwave (101), Note: 2110-2150 MHz must be auctioned by</i>
2150-2160		FIXED, NG23. <i>Domestic Public Fixed (21), Fixed Microwave (101)</i> .
2160-2165		FIXED, MOBILE, NG153, NG23. <i>Domestic Public Fixed (21), Public Mobile (22), Fixed Microwave (101)</i> .
2165-2200		MOBILE-SATELLITE (space-to-Earth), NG23, NG168. <i>Satellite Communications (25)</i> .
2200-2290		SPACE OPERATION (space-to-Earth) (space-to-space), EARTH EXPLORATION-SATELLITE (space-to-Earth) (space-to-space), FIXED (line-of-sight only), MOBILE (line-of-sight only including aeronautical tele-metry, but
2290-2300		FIXED, MOBILE except aeronautical mobile, SPACE RESEARCH (deep space) (space-to-Earth).
2300-2305		Amateur, G123. <i>Amateur (97), Note: 2300-2305 MHz became non-Federal Government exclusive spectrum in August 1995.</i>
2305-2310		FIXED, MOBILE except aeronautical mobile, RADIOLOCATION, Amateur, US338, G123. <i>Wireless Communications (27), Amateur (97)</i> .
2310-2320		FIXED, MOBILE, RADIOLOCATION, BROADCASTING-SATELLITE, Fixed, Mobile, Radiolocation, US339, US328, US327, S5.396, G120, US338. <i>Wireless Communications (27)</i> .
2320-2345		BROADCASTING-SATELLITE, Fixed, Mobile, Radiolocation, US327, US276, US328, S5.396
2345-2360		FIXED, MOBILE, RADIOLOCATION, BROADCASTING-SATELLITE, Fixed, Mobile, Radiolocation, US339, US328, US327, S5.396, G120, US338. <i>Wireless Communications (27)</i> .
2360-2385		MOBILE, RADIOLOCATION, Fixed, G2, G120, US276.
2385-2390		MOBILE, RADIOLOCATION, Fixed, MOBILE, US276 US276, G2, G120. <i>Note: 2385-2390 MHz will become non-Federal Government exclusive spectrum in January 2005.</i>
2390-2400		AMATEUR, G122. <i>RF Devices (15), Amateur (97)</i>
2400-2402		Amateur, S5.150, G123, S5.282. <i>ISM Equipment (18), Amateur (97)</i> .
2402-2417		AMATEUR, S5.150, S5.282, G122. <i>RF Devices (15), ISM Equipment (18), Amateur (97)</i> .
2417-2450		Radiolocation, Amateur, S5.150, S5.282, G2, G124. <i>ISM Equipment (18), Amateur (97)</i>
2450-2483.5		FIXED, MOBILE, Radiolocation, S5.150, US41. <i>ISM Equipment (18), Private Land Mobile (90), Fixed Microwave (101)</i> .
2483.5-2500		MOBILE-SATELLITE (space-to-Earth), RADIODETERMINATION-SATELLITE (space-to-
2500-2655		FIXED, FIXED-SATELLITE (space-to-Earth), MOBILE except aeronautical mobile, BROADCASTING-SATELLITE, S5.409, S5.411, US205, NG101, NG102. <i>Domestic Public Fixed</i>
2655-2690		FIXED, FIXED-SATELLITE (Earth-to-space), MOBILE except aeronautical mobile, BROADCASTING-SATELLITE, Earth exploration-satellite (passive), Radio astronomy, Space research (passive), US74, US246.
2690-2700		EARTH EXPLORATION-SATELLITE (passive), RADIO ASTRONOMY, SPACE RESEARCH (passive), US74, US246.
2700-2900		AERONAUTICAL RADIONAVIGATION, METEOROLOGICAL AIDS, Radiolocation, G2, S5.337, S5.423, US18, G15
2900-3100		MARITIME RADIONAVIGATION, Radiolocation, G56, S5.427, US44, US316. <i>Maritime (80), Private Land Mobile (90)</i> .