

2007

Selected U.S. Radio Frequency Allocations from 30 MHz to 300 GHz

Application	30 MHz to 400 MHz	400 MHz to 3000 MHz	3 GHz to 35 GHz	35 GHz to 300 GHz
218-219 MHz Radio Service (formerly Interactive Video and Data Service)	218-219			
700 MHz Public Safety Band		764-776, 794-806		
Access Broadband over Power Line (BPL)	30-80			
Advanced Wireless Services including 3G		1710-1755, 1915-1920, 1995-2000, 2020-2025, 2110-2155, 2155-2175, 2175-2180		
Aeronautical Communications and Radionavigation	72-73, 74.6-75.2, 108-137, 156.2475-157.0375, 328.6-335.4	849-851, 894-896, 960-1215, 1240-1350, 1435-1525, 1559-1660.5, 2310-2320, 2345-2395, 2700-2900	3.5-3.65, 4.2-4.4, 5.0-5.25, 5.35-5.46, 9.0-9.2, 9.3-9.5, 13.25-13.4, 15.4-15.7, 24.75-25.05, 31.8-33.4	
Amateur Radio	50-54, 144-148, 219-220, 222-225	420-450, 902-928, 1240-1300, 2300-2310, 2390-2450	3.3-3.5, 5.65-5.925, 10-10.5, 24-24.25	47-47.2, 76-81, 122.25-123, 134-141, 241-250, 275-300
Auditory Assistance Devices	72-73, 74.6-74.8, 75.2-76, 216.75-217			
Automatic Vehicle Identification Systems		2900-3000	3.0-3.26, 3.267-3.332, 3.339-3.3458, 3.358-3.6	
Auxiliary Broadcasting	54-72, 76-108, 152.855-154, 157.45-161.575, 161.625-161.775, 162.0125-173.2, 174-216	450-454, 455-456, 470-608, 614-806, 944-960, 2025-2110, 2450-2483.5	6.425-6.525, 6.875-7.125, 12.7-13.25, 17.7-18.3, 19.3-19.7	
Biomedical Telemetry Devices	174-216	470-668		
Broadband Radio Service/Educational Broadband Service		2495-2690		
Cable TV Relay		2025-2110	6.425-6.525, 6.875-7.125, 12.7-13.25, 17.7-18.3, 19.3-19.7	
Cellular Phone Service		824-849, 869-894		
Commercial Aviation Air-Ground Service		849-851, 894-896		
Dedicated Short-Range Communications			5.85-5.925	
Digital Audio Broadcasting		1452-1492, 2310-2360		
Differential GPS	108-117.975	1559-1610		
Family Radio Service		462.5625-467.7125		
Field Disturbance Sensors		902-928, 2435-2465	5.785-5.815, 10.500-10.550, 24.075-24.175	57-64
Fixed Microwave		928-929, 932-935, 941-960, 1850-2000, 2110-2180, 2450-2483.5	3.7-4.2, 5.925-6.875, 10.55-10.68, 10.7-11.7, 12.2-13.25, 17.7-18.3, 19.3-19.7, 21.2-23.6, 24.25-24.45, 25.05-25.25, 27.5-29.5, 31-31.3	37-39.5, 42-42.5, 71-76, 81-86, 92-94, 94.1-95
Fixed Satellite		1390-1392, 1430-1432	3.6-4.2, 4.5-4.8, 5.15-5.25, 5.85-7.075, 7.25-7.75, 7.9-8.4, 10.7-12.2, 12.7-13.25, 13.75-14.5, 15.43-15.63, 17.3-21.2, 24.75-25.25, 27.5-31	37.5-42, 42.5-45.5, 47.2-50.2, 50.4-51.4, 71-76, 81-86, 123-130, 158.5-164, 167-174.5, 209-226, 232-240, 265-275
FM Broadcasting	88-108			
General Aviation Air-Ground Service		454.675-454.975, 459.675-459.975		
General Mobile Radio Service		462.55-467.725		
Industrial/Business Radio Pool	30-50, 72-76, 150-174, 216-220	406-413, 421-430, 450-512, 800, 900		
Industrial Scientific and Medical (ISM)	40-42	902-928, 2400-2500	5.65-5.925, 24.0-24.25	59.3-64, 116-123, 241-248
Location and Monitoring Service		902-928		
Low Power Radio Service	216.75-217			
Maritime Communications and Radar	154-161.625, 161.775-173.2, 216-220	454-455, 456-460, 1525-1559, 1626.5-1660, 2900-3000	3.0-3.1, 5.47-5.65, 9.2-9.3, 14.0-14.2	
Medical Implant Communications Service		402-405		
Millimeter Wave 70-80 GHz Service				71-76, 81-86, 91-94, 94.1-95
Mobile Satellite	137-138, 148-150.05, 399.9-400	400-400.05, 400.15-401, 406-406.1, 1525-1559, 1610-1660.5, 2000-2020, 2180-2200, 2483.5-2500	7.25-7.75, 7.9-8.4, 14-14.5, 19.7-21.2, 29.5-31	39.5-41, 43.5-47, 50.4-51.4, 66-74, 81-84, 123-130, 158.5-164, 191.8-200, 252-265
Multiple Address Systems		928-960		
Multi-Use Radio Service	151.82, 151.88, 151.94, 154.57, 154.60			
Paging	35-36, 43-44, 152-159	454-460, 929, 931		
PCS Broadband		1850-1910, 1930-1990		
PCS Narrowband		901-902, 930-931, 940-941		
PCS Unlicensed		1920-1930		
Private and Public Land Mobile	30.56-32, 33-34, 35-36, 37-38, 39-46.6, 47-49.6, 72-73, 74.6-74.8, 75.2-76, 150.8-156.2475, 157.0375-173.4, 216-222	406.1-455, 456-462.5375, 462.7375-467.5375, 467.7375-512, 698-901, 902-930, 931-940, 941-960, 1427-1432, 2110-2180, 2450-2483.5, 2900-3000	3.0-3.7, 4.94-4.99, 5.25-5.65, 5.85-5.925, 10.0-10.55, 13.4-14, 15.7-17.3, 24.05-24.25, 33.4-35	35-36
Radio Astronomy	37.5-38.25, 73-74.6	406.1-410, 608-614, 1400-1427, 1610.6-1613.8, 1660-1670, 2655-2700	4.99-5, 10.68-10.7, 15.35-15.4, 22.21-22.5, 23.6-24, 31.3-31.8	42.5-43.5, 76-116, 123-158.5, 164-167, 182-185, 200-231.5, 241-275
Radio Control Radio Service	72-73, 75.4-76			
Space Operation and Space Research	137-138	400.15-402, 410-420, 1215-1300, 1400-1427, 1660.5-1668.4, 1755-1850, 2025-2110, 2200-2300, 2655-2700	3.1-3.3, 4.99-5.0, 5.25-5.57, 7.145-7.235, 8.4-8.5, 8.55-8.65, 9.5-9.8, 10.6-10.7, 13.25-14.2, 14.5-15.4, 16.6-17.1, 17.2-17.3, 18.6-18.8, 21.2-21.4, 22.21-22.5, 23.6-24.0, 25.5-27, 31.3-32.3, 34.2-34.7	35.5-38, 40.0-40.5, 50.2-50.4, 52.6-59.3, 65-66, 74-84, 86-92, 94.0-94.1, 100-102, 105.0-122.25, 148.5-151.5, 155.5-158.5, 164-167, 174.8-191.8, 200-209, 217-231.5, 235-238, 250-252
Standard Frequency and Time Signal Satellite		400.05-400.15	13.4-14.0, 20.2-21.2, 25.25-27, 30-31.3	
Television	54-72, 76-88, 174-216,	470-608, 614-764, 776-794, 2025-2110		
Ultra Wideband (UWB)		below 960	1.99-10.6 or 3.1-10.6	
Unlicensed National Information Infrastructure (U-NII) Devices			5.15-5.35, 5.47-5.825	
Vehicle Radar Systems			16.2-17.7, 22-29	46.7-46.9, 76-77
Weather Instruments/Radar/Satellites	137-138	400.15-406, 449, 460-470, 1668.4-1710, 2700-3000	5.6-5.65, 7.75-7.85, 8.175-8.215, 9.3-9.5, 10-10.025	
Wireless Medical Telemetry Service		608-614, 1395-1400, 1427-1432		
Wireless Microphones	54-72, 76-88, 169.445, 169.505, 170.245, 170.305, 171.045, 171.105, 171.845, 171.905, 174-216	470-608, 614-806		

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- References:**
1. FCC's Online Table of Frequency Allocations, 47 C.F.R., 2.106, revised on October 19, 2006, see the latest version of this table at the FCC Radio Spectrum Home Page, www.fcc.gov/oet/spectrum/.
 2. FCC Wireless Telecommunications Bureau, Wireless Services, see <http://wireless.fcc.gov/> and select "All Services".
 3. FCC 47 CFR Part 15. Updated August 14, 2006. See the latest version of this document on the FCC's Rules & Regulations Page, www.fcc.gov/oet/info/rules/.

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