

# 2007

# Selected European Radio Frequency Allocations from 30 MHz to 300 GHz

Application	30 MHz to 300 MHz	300 MHz to 3000 MHz	3 GHz to 30 GHz	30 GHz to 300 GHz
Wireless Applications in Healthcare	30.0-37.5	402-405		
Radio Microphones	29.7-47.0, 174-216	470-862, 863-865, 1785-1800		
Defense Systems	29.7-74.8, 75.2-87.5, 138-144, 230-242.95, 243.055-312	312-328.65, 335.4-399.9, 790-890, 915-935, 1215-1452, 1492-1525, 1660.5-1670, 1675-1710, 2025-2110, 2200-2290, 2520-2655, 2900-3000	3.00-3.40, 4.40-5.00, 5.25-5.85, 7.25-8.40, 13.75-14, 14.50-15.35, 15.7-17.7, 24.05-24.25, 26.5-27.5	33.4-39.5, 43.50-45.50, 59.0-64.0, 71-74, 81-84
Analog/Digital Land Mobile Radio PMR/PAMR (Professional Mobile Radio/Public Access Mobile Radio)	30.01-40.66, 40.7-74.8, 75.2-87.5, 146-156, 157.45-160.60, 160.975-161.475, 162.05-174.0	385-390, 395.0-399.9, 406.1-430, 440-470, 870-876, 915-921		
Radio Astronomy	37.50-38.25, 70.45-74.80, 150.05-153.0	406.1-410, 608-614, 1300-1400, 1610.6-1613.8, 1660-1670, 2200-2290, 2655-2690	4.80-5.03, 8.215-8.40, 10.6-10.7, 14.47-15.4, 22.21-23.55, 23.6-24.0	31.0-31.8, 36-37, 42.5-43.5, 48.54-49.44, 76-94, 94.1-105, 109.5-116.0, 114.25-116.0, 130-134, 136-148.5, 151.5-158.5, 200-202, 209-217, 226.0-231.5, 235-238, 241-248, 252-265
Industrial, Scientific And Medical Applications (ISM)	40.66-40.70	433.05-434.79, 2400-2500	5.725-5.925, 24.0-24.25	59.3-62.0
Non-Specific Short Range Device (SRD)	40.66-40.70, 48.5-50	433.05-434.79, 863-870, 2400.0-2483.5	5.725-5.925, 24.0-24.25	61.0-61.5, 122.02-123.0, 244-246
Wind Profiler Radar	44-68	440-450, 470-608, 1270-1300		
On-Site Paging	47.0-47.25	440-470		
Amateur Applications	50-52, 144-146	430-440, 1240-1300, 2300-2450	3.4-3.5, 5.650-5.830, 10.0-10.5, 24.0-24.25	47.0-47.2, 75.5-77.5, 81.0-81.5, 122.25-123.0, 134-141, 241-250
Aeronautical Radionavigation	74.8-75.2, 108-117.975	328.5-335.4, 960-1215, 2700-3100	4.2-4.4, 5.00-5.15, 8.50-10.0, 13.25-13.75	
FM Radio Broadcasting	87.5-108.0			
Wireless Audio Applications	87.5-108	863-870, 1795-1800		
Mobile Applications	137-144	1785-1800, 2290-2400, 2483.5-2500.0	3.50-3.60, 4.40-5.0, 8.025-8.215	
Low Earth Orbiting Satellite	137-138, 148.0-150.05	400.15-401.0		
Meteorology (includes satellite)	137-138	400.15-406, 1668.4-1710.0	7.45-7.55, 7.75-7.85, 18.1-18.3	
Mobile Satellite	137-138, 148-150.05	399.9-400.05, 400.15-401, 406-406.1, 1518-1559, 1610-1660.5, 1668-1675, 1980-2010, 2170-2200, 2483.5-2500.0	7.25-7.45, 7.9-8.025, 14.0-14.50, 19.70-21.20, 29.5-30	30-31, 39.5-40.5, 43.5-47, 66-74, 158.5-164, 191.8-200
Amateur Satellite	144-146	434.79-438.0, 1260-1270, 2400-2450	5.650-5.725, 5.830-5.850, 10.45-10.5, 24.0-24.05	47.0-47.2, 75.5-77.5, 81.0-81.5, 122.25-123.0, 134-141, 241-250
Distress Signals	156.5125-156.5375, 156.7625-156.8375	1544-1545		
TV Broadcasting	174-230	470-862		
Terrestrial Digital Audio Broadcasting (TDAB)	174-230	1452-1479.5		
Public Cellular Networks, GSM		455-470, 880-915, 925-960, 1710-1785, 1805-1880		
Services Ancillary to Programming/Broadcasting (SAP/SAB)		470-862, 2025-2110, 2200-2290, 2300-2400, 2483.5-2500, 2520-2670	3.40-3.50, 10.0-10.68, 22.0-23.6, 24.0-24.5	47.2-50.2
Railway Applications		876-880, 921-925, 2446-2454		
Radar and Navigation Systems		1164-1350, 1559-1610, 2700-3000	3.0-3.1, 5.0-5.03	
Passive Sensors (satellite)		1400-1427, 2690-2700	4.2-4.4, 4.80-4.99, 6.425-7.250, 10.6-10.7, 13.75-14.0, 15.35-15.40, 18.60-18.80, 21.20-21.40, 22.0-22.5, 23.60-24.0	31.3-31.8, 36-37, 50.2-50.4, 52.6-59.3, 86-92, 100-102, 116.0-122.25, 148.5-158.5, 164-167, 174.8-191.8, 200-209, 226.0-231.5, 235-238, 250-252
Satellite Digital Audio Broadcasting (S-DAB)		1479.5-1492		
Digital Enhanced Cordless Telephony System (DECT)		1880-1900		
IMT-2000 (International Mobile Telecommunications)/UMTS		1900-1980, 2010-2025, 2110-2170, 2500-2690		
UMTS/IMT-2000 (International Mobile Telecommunications Satellite Component)		1980-2010, 2170-2200		
Fixed Links		2025-2110, 2200-2290, 2483.5-2500.0, 2520-2670	5.925-8.5, 10.15-10.30, 10.45-10.68, 10.7-11.7, 12.75-13.25, 14.5-15.35, 17.7-19.7, 22.0-22.6, 23.0-23.6, 24.5-26.5, 27.5-29.5	31.0-31.3, 31.5-31.8, 37-39.5, 48.2-50.2, 55.78-59, 64-66, 71-76, 81-86
Radio Frequency Identification (RFID)		865-868, 2446-2454		
Wideband Data Transmission Systems		2400-2483.5	5.150-5.350, 5.470-5.725, 17.10-17.30	
Equipment for Detecting Movement and Alert		2400.0-2483.5	9.20-10.0, 10.50-10.60, 13.40-14.0, 24.05-24.25	
Fixed Satellite			3.4-4.2, 4.5-4.8, 5.725-7.075, 10.7-11.7, 12.5-13.25, 13.75-14.5, 15.43-15.63, 17.3-21.2, 27.5-30.0	30-31, 37.5-43.5, 47.2-50.2, 50.4-51.4, 123-130, 158.5-164, 167-174.5, 209-226, 232-240, 265-275
Satellite Feeder Links			5.15-5.25, 6.925-7.075, 17.3-18.4, 27.50-29.50	47.20-49.44
Active Sensors (satellite)		432-438, 1215-1300	3.1-3.3, 5.250-5.570, 8.55-8.65, 9.5-9.8, 13.25-13.75, 24.05-24.25	35.2-36
Position Fixing			5.250-5.725	
Shipborne and VTS Radar			5.250-5.725	
Weather Radars			5.250-5.850, 9.3-9.5	
Ultra Wide Band (UWB)			5.925-8.500	
Satellite TV			11.7-12.5, 21.4-22	
VSAT/SNG Applications (Very Small Aperture Terminal/ Satellite News Gathering)			12.5-12.75, 14.0-14.50	
Multimedia Wireless Systems				40.5-43.5
Broadband Mobile Systems				40.0-40.5, 42.5-43.5, 62-63, 65-66
Automotive Short Range Radar (SRR)			21.65-26.65	76-81

**Notes:** This wall chart represents a partial listing of the data provided in the draft revised ERC Report 25, "The European Table of Frequency Allocations and Utilisations in the Frequency Range 9 kHz to 275 GHz," published by the European Radiocommunications Office (ERO) within the European Conference of Postal Telecommunications Administrations (CEPT). The frequency listings shown here reflect ongoing efforts by the CEPT to harmonize frequency assignments throughout Europe. For the complete and most up-to-date version of the report, see [www.ero.dk](http://www.ero.dk) or [www.efis.dk](http://www.efis.dk).

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