

# Local Government Radio Service Frequency Table (8000)

No. 9 Sept. 1995

or a park district or authority except as provided for in §90.242, is eligible to hold authorizations in the Local Government Radio Service to operate radio stations for transmission of communications essential to official activities of the licensee.

(b) Frequencies available. The following table indicates frequencies available for assignment to stations in the Local Government Radio Service, together with the class of station(s) to which they are normally assigned and the specific assignment limitations which are explained in paragraph (c) of this section.

Local Government Radio Service Frequency Table

§ 90.15 Scope.

The Public Safety Radio Services include the Local Government, Police, Fire, Highway Maintenance and Forestry-Conservation Radio Services. Rules as to eligibility for licensing, frequencies available, and any special requirements as to each of these radio services are set forth in the following sections.

§ 90.16 Public Safety National Plan.

The Commission has established a National Plan which specifies special policies and procedures governing the Public Safety Radio Services and the Special Emergency Radio Service. The National Plan is contained in the Report and Order in General Docket No. 87-112. The principal spectrum resource for the National Plan is the 821-824 MHz and the 866-869 MHz bands. The National plan establishes planning regions covering all parts of the United States, Puerto Rico, and the U.S. Virgin Islands. No assignments will be made in the 821-824 MHz and 866-869 MHz bands until a regional plan for the area has been accepted by the Commission.

(53 FR 1023, Jan. 15, 1988)

§ 90.17 Local Government Radio Service.

(a) Eligibility. Any territory, possession, state, city, county, town or similar governmental entity, including a district and an authority, but not including a school district or authority

Frequency or band	Class of station(s)	Limitations
<b>Kilohertz:</b>		
530	Base (T.I.S.)	23
540-1700	.....do	23
2725	Base or mobile	1
2000 to 10,000	Base or mobile	25
<b>Megahertz:</b>		
37.10	.....do	2
37.16	.....do	2
37.26	.....do	2
39.06	Mobile	2, 1
39.10	Base or mobile	2
39.18	.....do	2
39.50	.....do	2
39.58	.....do	2
39.82	.....do	2
39.90	.....do	2
39.98	.....do	2
45.08	.....do	.....
45.12	.....do	.....
45.16	.....do	.....
45.20	.....do	.....
45.24	.....do	.....
45.28	.....do	.....
45.32	.....do	.....
45.36	.....do	.....
45.40	.....do	.....
45.44	.....do	.....
45.48	.....do	.....
45.52	.....do	.....
45.56	.....do	.....
45.60	.....do	.....
45.64	.....do	.....
45.68	.....do	.....
45.72	.....do	.....
45.76	.....do	.....
45.80	.....do	.....
45.84	.....do	.....
45.88	.....do	.....
45.92	.....do	.....
45.96	.....do	.....
72.00 to 76.00	Operational fixed	6
150-170	Base or mobile	24
153.740	Mobile	.....
153.755	.....do	.....
153.786	.....do	.....
153.800	.....do	.....
153.815	.....do	.....
153.845	.....do	.....
153.860	.....do	.....
153.875	.....do	.....
153.905	.....do	.....
153.920	.....do	.....
153.935	.....do	.....

Local Government Radio Service Frequency Table—Continued

Frequency or band	Class of station(s)	Limitations
153.965	do	
153.980	do	
153.995	do	
154.025	Base or mobile	
154.040	do	5
154.055	do	5
154.085	do	5
154.100	do	5
154.115	do	5
154.45625	Fixed or mobile	9, 20, 21, 22
154.46375	do	7, 19, 20, 21, 22
154.47125	do	7, 20, 21, 22
154.47875	do	9, 20, 21, 22
154.965	Base or mobile	
154.980	do	
154.995	do	
155.025	do	
155.040	do	
155.055	do	
155.085	do	
155.100	do	
155.115	do	
155.145	do	
155.715	do	
155.745	do	
155.760	do	
155.775	do	
155.805	do	
155.820	do	
155.835	do	
155.865	do	
155.880	do	
155.895	do	
155.925	do	
155.940	do	
155.955	do	
155.985	Mobile	
156.000	do	
156.015	do	
158.745	Base and mobile	
158.760	do	
158.775	do	
158.805	do	
158.820	do	
158.835	do	
158.865	Mobile	
158.880	do	
158.895	do	
158.925	do	
158.940	do	
158.955	do	
169-172	do	27
173.20375	Fixed or mobile	7, 20, 21, 22
173.2100	do	7, 8, 21, 22
173.2375	do	9, 20, 21, 22
173.2625	do	9, 20, 21, 22
173.2875	do	9, 20, 21, 22
173.3125	do	9, 20, 21, 22
173.3375	do	9, 20, 21, 22
173.3625	do	9, 20, 21, 22
173.3900	do	7, 8, 21, 22
173.39625	do	7, 20, 21, 22
220 to 222	Base and mobile	(4)
450 to 470	Fixed	10

Local Government Radio Service Frequency Table—Continued

Frequency or band	Class of station(s)	Limitations
453.175	Central control, fixed	11
453.200	Base or mobile	12
453.225	do	
453.250	do	12
453.275	do	
453.300	do	12
453.325	do	
453.350	do	12
453.375	do	
453.400	do	12
453.425	do	
453.450	do	12
453.475	do	
453.500	do	12
453.525	do	
453.550	do	12
453.575	do	
453.600	Base or mobile	12
453.625	do	
453.650	do	12
453.675	do	
453.700	do	12
453.725	do	
453.750	do	12
453.775	do	
453.800	do	12
453.825	do	
453.850	do	12
453.875	do	
453.900	do	12
453.925	do	
453.950	do	12
453.975	do	
458.025	Radio call boxes, fixed.	11, 13
458.050	Mobile	12
458.075	Radio call boxes, fixed.	11, 13
458.100	Mobile	12
458.125	Radio call boxes, fixed.	11, 13
458.150	Mobile	12
458.175	Radio call boxes, fixed.	13
458.200	Mobile	12
458.225	do	
458.250	do	12
458.275	do	
458.300	do	12
458.325	do	
458.350	do	12
458.375	do	
458.400	do	12
458.425	do	
458.450	do	12
458.475	do	
458.500	do	12
458.525	do	
458.550	do	12
458.575	do	
458.600	do	12
458.625	do	
458.650	do	12
458.675	do	
458.700	do	12

Local Government Radio Service Frequency Table—Continued

Frequency or band	Class of station(s)	Limitations
458.875	.....do	.....
458.900	.....do	12
458.925	.....do	.....
458.950	.....do	12
458.975	.....do	.....
470 to 512	Base or mobile	14
806 to 824	Mobile	15
851 to 869	Base or mobile	15
928 and above	Operational-fixed	16
929 to 930	Base only	26
1427 to 1435	Operational-fixed, base or mobile	17
2450 to 2500	Base or mobile	18
10,550 to 10,607	.....do	.....

\*The frequencies in the band 10.55-10.60 GHz are available for Digital Termination Systems and for associated intermodal links in the Point-to-Point Microwave Radio Service. No new licenses will be issued under this subpart but current licenses will be renewed.

(c) Explanation of assignment limitations appearing in the frequency table of paragraph (b) of this section:

(1) This frequency is shared with the Special Emergency Radio Services and is available for assignment to the official state guard or comparable organization of a State, territory, possession, or the District of Columbia which is shown to be duly created by law and subject to the control of the highest official of the governmental entity involved, and may be used for emergency communications and for essential communications related to training and maintenance of an efficient organization. In addition to base and mobile stations, this frequency may be assigned to fixed stations on a secondary basis to base or mobile stations. Upon a showing of need, the use of a second frequency in the band 2505-3500 kHz may be made available to these organizations through appropriate arrangements with Government agencies for restricted area use on a shared basis with maximum power output, emission, and hours of operation determined on the basis of the technical conditions involved in using the selected frequency in the particular area.

(2) This frequency is shared with the Police Radio Service.

(3) The maximum output power of any transmitter authorized to operate on this frequency shall not exceed 2 watts.

(4) Subpart T contains rules for assignment of frequencies in the 220-222 MHz band.

(5) This frequency is not available for assignment in this service in Puerto Rico or the Virgin Islands.

(6) Assignment and use of frequencies in the band 72-76 MHz are governed by §90.257 for operational-fixed stations and by §90.241 for emergency call box operations. Specific frequencies are listed at §90.257(a)(1).

(7) The maximum power output of the transmitter may not exceed 50 watts for fixed stations and 1 watt for mobile stations. A1A, A1D, A2B, A2D, F1B, F1D, F2D, G1B, G1D, G2B, or G2D emission may be authorized.

(8) For FM transmitters, the sum of the highest modulating frequency in hertz and the amount of the frequency deviation or swing in hertz may not exceed 1700 Hz and the maximum deviation may not exceed 1.2 kHz. For AM transmitters, the highest modulating frequency may not exceed 1200 Hz. The carrier frequency must be maintained within .0005 percent of the center of the frequency band, and the authorized bandwidth may not exceed 3 kHz.

(9) The maximum effective radiated power (ERP) may not exceed 20 watts for fixed stations and 2 watts for mobile stations. The height of the antenna system may not exceed 15.24 meters (50 ft.) above ground. All such operation is on a secondary basis to adjacent channel land mobile operations.

(10) The requirements for secondary fixed use of frequencies in this band are set forth in §90.251.

(11) This frequency is available for systems first licensed prior to March 31, 1980, for radio call box communications related to safety on highways in accordance with the provisions of §90.241(c). No new systems will be authorized of this nature after March 31, 1980, but prior authorized systems may be modified, expanded, and renewed. Also, effective March 31, 1980, this frequency is shared for medical paging systems as authorized in accordance with §90.53 in the Special Emergency Radio Service.

(12) This frequency is available in this service on a shared basis with all other Public-Safety Radio Services.

(13) Available for medical services mobile operations in the Special Emergency Radio Service in accordance with §90.53(b)(13).

(14) Subpart L contains rules for assignment of frequencies in the 470-512 MHz band.

(15) Subpart S contains rules for assignment of frequencies in the 806-824 MHz and 851-869 MHz bands.

(16) Assignment of frequencies above 928 MHz for operational-fixed stations is governed by part 94 of this Chapter.

(17) This frequency band is available to stations in this service subject to the provisions of § 90.259.

(18) Available only on a shared basis with stations in other services, and subject to no protection from interference due to the operation of industrial, scientific, or medical (ISM) devices. In the 2483.5-2500 MHz band, no applications for new stations or modification to existing stations to increase the number of transmitters will be accepted. Existing licensees as of July 25, 1985, or on a subsequent date following as a result of submitting an application for license on or before July 25, 1985, are grandfathered and their operation is co-primary with the Radiodetermination Satellite Service.

(19) Use of this frequency is limited to stations located at least 120.7 km (75 miles) from the center of any urbanized area of 200,000 or more population (U.S. Census of Population 1970). Operation is on a secondary basis to that of the Power Radio Service.

(20) For FM transmitters, the sum of the highest modulating frequency in Hertz and the amount of the frequency deviation or swing in Hertz may not exceed 2890 Hz and the maximum deviation may not exceed 2.5 kHz. For AM transmitters, the highest modulation frequency may not exceed 2000 Hz. The carrier frequency must be maintained within .0005 percent of the center of the frequency band, and the authorized bandwidth may not exceed 6 kHz.

(21) This frequency is available on a shared basis with the Power, Petroleum, Forest Products, Special Industrial, Business, and Manufacturers Radio Services for remote control and telemetry operations.

(22) Operational fixed stations must employ directional antennas having a front-to-back ratio of at least 20 dB. Omnidirectional antennas having unity gain may be employed for stations communicating with at least three re-

ceiving locations separated by 160° of azimuth.

(23) This frequency is available for use by Travelers' Information Stations in accordance with § 90.242.

(24) Rules concerning the use of this band for narrowband operations are set forth in § 90.271.

(25) Only the central governments of the fifty individual States, the District of Columbia, and the insular areas of the Commonwealth of the Northern Mariana Islands, the Commonwealth of Puerto Rico, and the unincorporated territories of American Samoa, Guam and the United States Virgin Islands are eligible to be licensed to use this spectrum, and then only for disaster communications purposes. Licensees may not use this spectrum to provide operational communications circuits. See also, § 90.264.

(26) Frequencies in this band are available only for one-way paging operations in accordance with § 90.494.

(27) Frequencies in this band will be assigned for low power wireless microphones in accordance with the provisions of § 90.255.

(d) *Additional frequencies available.* In addition to the frequencies shown in the frequency table of this section, the following frequencies are available in this service. (See also § 90.253.)

(1) Substitution of frequencies available below 25 MHz may be made in accordance with the provisions of § 90.263.

(2) [Reserved]

(3) Frequencies in the band 73.0-74.6 MHz may be assigned to stations authorized their use on or before December 1, 1961, but no new stations will be authorized in this band, nor will expansion of existing systems be permitted. See also § 90.257.

(4) The frequency bands 31.99 to 32.00 MHz, 33.00 to 33.01 MHz, 33.99 to 34.00 MHz, 37.93 to 38.00 MHz, 39.00 to 39.01 MHz, 39.99 to 40.00 MHz and 42.00 to 42.01 MHz, are available for assignment for developmental operation subject to the provisions of subpart Q.

(5) Frequencies in the 421-430 MHz band are available in the Detroit, Cleveland, and Buffalo areas in accordance with the rules in §§ 90.273 through 90.281.

(e) *Limitation on number of frequencies assignable.* Normally only two fre-

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quencies or pairs of frequencies in the paired frequency mode of operation will be assigned for mobile service operations by a single applicant in a given area. The assignment of an additional frequency or pair of frequencies will be made only upon a satisfactory showing of need, except that:

(1) Additional frequencies above 25 MHz may be assigned in connection with the operation of mobile repeaters in accordance with §90.247 notwithstanding this limitation.

(2) The frequency 39.06 MHz may be assigned notwithstanding this limitation.

(3) Frequencies in the 25-50 MHz, 150-170 MHz, and 450-512 MHz bands, and the frequency bands 903-904 MHz, 904-912 MHz, 918-926 MHz, and 926-927 MHz may be assigned for the operation of Automatic Vehicle Monitoring (AVM) systems in accordance with §90.239, notwithstanding this limitation.

(4) A licensee of a radio station in this service may operate radio units for the purpose of determining distance, direction, speed, or position by means of a radiolocation device on any frequency available for radiolocation purposes without specific authorization from the Commission, provided type accepted equipment or equipment authorized pursuant to §90.203(b) (4) and (5) is used and all other rule requirements are satisfied.

(Secs. 4, 303, 307, 48 Stat., as amended, 1066, 1082, 1083; 47 U.S.C. 154, 303, 307; secs. 4(i) and 303(r), Communications Act of 1934, as amended, §§0.131 and 0.331 of the Commission's Rules and 5 U.S.C. 553 (b)(3)(B) and (d)(3))

[43 FR 54791, Nov. 22, 1978]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting §90.17, see the List of CFR Sections Affected in the Finding Aids section of this volume.

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