

Forestry-Conservation Radio Service Frequency Table (8000)

No. 9 Sept. 1995

which are explained in paragraph (c) of this section:

*Forestry-Conservation Radio Service
Frequency Table*

Frequency or band	Class of station(s)	Limitations
Kilohertz:		
2212	Base or mobile	1
2226	do	1
2236	do	1
2244	do	1
Megahertz:		
30.66	do	2
30.90	do	2
30.94	do	2
30.98	do	2
31.02	do	2
31.06	do	2, 3, 4
31.10	do	2, 3, 4
31.14	do	2, 3, 4
31.18	do	3, 4
31.22	do	3, 4
31.26	do	3, 4
31.30	do	3, 4
31.34	do	3, 4
31.38	do	3, 4
31.42	do	3, 4
31.46	do	3, 4
31.50	do	3, 4
31.54	do	3, 4
31.58	do	3, 4
31.62	do	3, 4
31.66	do	3, 4
31.70	do	3, 4
31.74	do	3, 4
31.78	do	3, 4
31.82	do	3, 4
31.86	do	3, 4
31.90	do	3, 4
31.94	do	3, 4
31.98	do	3, 4
44.64	do	.....
44.68	do	.....
44.72	do	.....
44.76	do	.....
44.80	do	.....
44.84	do	.....
44.88	do	.....
44.92	do	.....
44.96	do	.....
45.00	do	.....
45.04	do	.....
72.00 to 78.00	Operational fixed	5
150-170	Base or mobile	22
151.145	do	6
151.160	do	6
151.175	do	6
151.190	do	6
151.205	do	6
151.220	do	6
151.235	do	6
151.250	do	6
151.265	do	6
151.280	do	6
151.295	do	6
151.310	do	6
151.325	do	6
151.340	do	6
151.355	do	6
151.370	do	6
151.385	do	6
151.400	do	6

§ 90.25 Forestry-Conservation Radio Service.

(a) *Eligibility.* Any territory, possession, State, county, city, town, and similar governmental entity, or persons or organizations charged with specific forestry-conservation activities are eligible to hold authorizations in the Forestry-Conservation Radio Service to operate radio stations for transmission of communications essential to official forestry-conservation activities of the licensee. Application from persons or organizations other than governmental entities must be accompanied by a statement from the governmental entity having legal jurisdiction over the area to be served, supporting the request.

(b) *Frequencies available.* The following table indicates frequencies available for assignment to stations in the Forestry-Conservation Radio Service, together with the class of station(s) to which they are normally assigned and the specific assignment limitations

Forestry-Conservation Radio Service
Frequency Table—Continued

Frequency or band	Class of station(s)	Limitations
151,415	..do	6
151,430	..do	6
151,445	..do	6
151,460	..do	6
151,475	..do	6
151,490	..do	6, 7
159,225	..do	8
159,240	..do	8
159,255	..do	8
159,270	..do	8
159,285	..do	8
159,300	..do	8
159,315	..do	8
159,330	..do	8
159,345	..do	8
159,360	..do	8
159,375	..do	8
159,390	..do	8
159,405	..do	8
159,420	..do	8
159,435	..do	8
159,450	..do	8
159,465	..do	8
169-172	Mobile	20
170,425	Base or mobile	4, 9, 10
170,475	..do	4, 9, 11
170,575	..do	4, 9, 10
171,425	..do	4, 9, 11
171,475	..do	4, 10, 12
171,575	..do	4, 9, 11
172,225	..do	4, 9, 10
172,275	..do	4, 11, 12
172,375	..do	4, 9, 10
220 to 222	Base and mobile	(23)
450-470	Fixed	13
453,050	Base or mobile	14
453,100	..do	14
453,150	..do	14
453,200	..do	14
453,250	..do	14
453,300	..do	14
453,350	..do	14
453,400	..do	14
453,450	..do	14
453,500	..do	14
453,550	..do	14
453,600	..do	14
453,650	..do	14
453,700	..do	14
453,750	..do	14
453,800	..do	14
453,850	..do	14
453,900	..do	14
453,950	..do	14
458,050	Mobile	14
458,100	..do	14
458,150	..do	14
458,200	..do	14
458,250	..do	14
458,300	..do	14
458,350	..do	14
458,400	..do	14
458,450	..do	14
458,500	..do	14
458,550	..do	14
458,600	..do	14
458,650	..do	14
458,700	..do	14
458,750	..do	14
458,800	..do	14

Forestry-Conservation Radio Service
Frequency Table—Continued

Frequency or band	Class of station(s)	Limitations
458,850	..do	14
458,900	..do	14
458,950	..do	14
470-512	Base or mobile	15
806 to 824	Mobile	16
851 to 869	Base or mobile	18
928 and above	Operational-fixed	17
929 to 930	Base only	21
1427 to 1435	Operational-fixed, base or mobile	18
2450 to 2500	Base or mobile	19
10,550 to 10,607	..do	8

*The frequencies in the band 10.55-10.68 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 support but current licenses will be renewed.

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

(1) The use of this frequency is on a secondary basis to any Canadian station.

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

(3) This frequency is available for assignment only in accordance with a geographical assignment plan. This frequency may be used for conservation activities on a secondary basis to any station using the frequency for forest fire prevention, detection, and suppression.

(4) This frequency is reserved primarily for assignment to state licensees. Assignments to other licensees will be made only where the frequency is required for coordinated operation with the State system to which the frequency is assigned. Any request for such assignment must be supported by a statement from the State system concerned, indicating that the assignment is necessary for coordination of activities.

(5) The frequencies available for use at operational-fixed stations in the band 72-76 MHz are listed in §90.257(a)(1). These frequencies are shared with other services and are available only in accordance with the provisions of §90.257.

(6) This frequency is not available for assignment to stations in this service located in Puerto Rico or the Virgin Islands.

(7) This frequency is shared with stations in the Special Industrial Radio

Service and evidence of interservice coordination is required.

(8) This frequency is shared with the Special Industrial Radio Service in Puerto Rico and the Virgin Islands. All applications for the assignment of a new frequency or to change existing facilities in such a manner as to require frequency coordination as specified in § 90.175 for stations in Puerto Rico or the Virgin Islands, shall be accompanied by evidence of interservice frequency coordination.

(9) This frequency will be assigned only to licensees directly responsible for the prevention, detection, and suppression of forest fires, on a secondary basis to any U.S. Government station.

(10) This frequency will be assigned for use only in areas west of the Mississippi River.

(11) This frequency will be assigned for use only in areas east of the Mississippi.

(12) In addition to agencies responsible for forest fire prevention, detection, and suppression, this frequency may be assigned to conservation agencies which do not have forest fire responsibilities on a secondary basis to any U.S. Government stations. *Provided*, That such assignment is necessary to permit mobile relay operation by such agencies.

(13) The requirements for secondary fixed use of frequencies in this band are set forth in § 90.261.

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

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

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

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

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

(19) 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.

(20) Frequencies in this band will be assigned for low power wireless microphones in accordance with the provisions of § 90.265.

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

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

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

(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 frequencies 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) Frequencies in the 25-50 MHz, 150-170 MHz, and 450-512 MHz bands, and the frequency bands 903-904 MHz, 904-912 MHz, 918-925 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.

(3) 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.

(4) A licensee in the Forestry-Conservation Radio Service may use, without a specific authorization from the Commission, transmitters on the frequencies indicated below in connection with wildlife tracking and/or telemetry and in connection with official forestry-conservation activities, provided that such use shall be on a secondary basis and shall not cause harmful interference to services of other licensees operating on regularly assigned frequencies. The provisions of §§ 90.203, 90.425, and 90.429 of this part shall not apply to transmitters complying with this subparagraph. To be eligible for operations in this manner, the transmitter must comply with all of the following requirements.

(1) The carrier frequency shall be within the bands of:

(MHz)	
31.17 to 31.19	31.57 to 31.59
31.21 to 31.23	31.61 to 31.63
31.25 to 31.27	31.65 to 31.67
31.29 to 31.31	31.69 to 31.71
31.33 to 31.35	31.73 to 31.75
31.37 to 31.39	31.77 to 31.79
31.41 to 31.43	31.81 to 31.83
31.45 to 31.47	31.85 to 31.87
31.49 to 31.51	31.89 to 31.91
31.53 to 31.55	31.93 to 31.95

31.97 to 31.99	44.87 to 44.89
44.63 to 44.65	44.91 to 44.93
44.67 to 44.69	44.95 to 44.97
44.71 to 44.73	44.99 to 45.01
44.75 to 44.77	45.03 to 45.05
44.79 to 44.81	151.145 to 151.475
44.83 to 44.85	159.225 to 159.465

The carrier frequency must be maintained within 0.005 percent of the frequency of operation. Use on assigned channel center frequencies is not required.

(2) The emitted signal shall be non-voice modulation (A1D, A2D, F1D, or F2D emission).

(3) The maximum occupied bandwidth, containing 99 percent of the radiated power, shall not exceed 0.25 kHz.

(4) The transmitter output power shall not exceed a mean power of 5 mW nor shall any peak exceed 100 mW peak power, as measured into a permanently attached antenna; or if the transmitter and antenna combination are contained in a sealed unit, the field strength of the fundamental signal of the transmitter and antenna combination shall not exceed 0.29 V/m mean or 1.28 V/m peak when measured at a distance of 3 meters.

(5) The requirements of § 90.175 regarding frequency coordination apply.

(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); 47 U.S.C. 154(i) and 303)

[43 FR 54791, Nov. 22, 1978]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 90.25, see the List of CFR Sections Affected in the Finding Aids section of this volume.

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