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Urbanized area	North latitude	West longitude
Los Angeles-Long Beach, CA .....	34-03-15.0	118-14-31.3
Chicago, IL .....	41-52-28.1	87-38-22.2
Philadelphia, PA-NJ .....	39-56-58.4	75-09-19.6
Detroit, MI .....	42-19-48.1	83-02-56.7
San Francisco-Oakland, CA .....	37-46-38.7	122-24-43.9
Boston, MA .....	42-21-24.4	71-03-23.2
Washington, DC-MD-VA .....	38-53-51.4	77-00-31.9
Cleveland, OH .....	41-29-51.2	81-41-49.5
St Louis, MO-IL .....	38-37-45.2	90-12-22.4
Pittsburgh, PA .....	40-26-19.2	79-59-59.2
Minneapolis-St Paul, MN .....	44-58-56.9	93-15-43.8
Houston, TX .....	29-45-26.8	95-21-37.8
Baltimore, MD .....	39-17-26.4	76-36-43.9
Dallas, TX .....	32-47-09.5	96-47-38.0
Milwaukee, WI .....	43-02-19.0	87-54-15.3
Seattle-Everett, WA .....	47-36-31.4	122-20-16.5
Miami, FL .....	25-46-38.4	80-11-31.2
San Diego, CA .....	32-42-53.2	117-09-24.1
Atlanta, GA .....	33-45-10.4	84-23-36.7
Cincinnati, OH-KY .....	39-06-7.2	84-30-34.8
Kansas City, MO-KS .....	39-04-56.0	94-35-20.8
Buffalo, NY .....	42-52-52.2	78-52-20.1
Denver, CO .....	39-44-58.0	104-59-23.9

[63 FR 68959, Dec. 14, 1998, as amended at 64 FR 36262, July 6, 1999; 65 FR 60874, Oct. 13, 2000]

**Subpart C—Industrial/Business Radio Pool**

SOURCE: 62 FR 18874, Apr. 17, 1997, unless otherwise noted.

**§ 90.31 Scope.**

The Industrial/Business Radio Pool covers the licensing of the radio communications of entities engaged in commercial activities, engaged in clergy activities, operating educational, philanthropic, or ecclesiastical institutions, or operating hospitals, clinics, or medical associations. Rules as to eligibility for licensing, frequencies available, permissible communications and classes and number of stations, and any special requirements are set forth in the following sections.

**§ 90.33 General eligibility.**

(a) In addition to the eligibility shown in the Industrial/Business Pool, eligibility is also provided for any corporation proposing to furnish nonprofit radiocommunication service to its parent corporation, to another subsidiary of the same parent, or to its own subsidiary. This corporate eligibility is

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not subject to the cooperative use provision of § 90.179.

(b) Eligibility is also provided for a nonprofit corporation or association that is organized for the purpose of furnishing a radiocommunications service to persons who meet the eligibility requirements of the Industrial/Business Pool. Such use is subject to the cooperative use provisions of § 90.179.

**§ 90.35 Industrial/Business Pool.**

(a) *Eligibility.* Persons primarily engaged in any of the following activities are eligible to hold authorizations in the Industrial/Business Pool to provide commercial mobile radio service as defined in part 20 of this chapter or to operate stations for transmission of communications necessary to such activities of the licensee:

- (1) The operation of a commercial activity;
- (2) The operation of educational, philanthropic, or ecclesiastical institutions;
- (3) Clergy activities; or
- (4) The operation of hospitals, clinics, or medical associations.

(5) Public Safety Pool eligibles are eligible for Industrial/Business Pool spectrum only to the extent that they are engaged in activities listed in paragraphs (a)(1) through (4) of this section. Industrial/Business Pool spectrum may not be utilized for the purposes set forth in § 90.20(a).

(b) *Industrial/Business Pool frequencies.*

(1) The following table indicates frequencies available for assignment to Industrial/Business Pool stations, together with the class of station(s) to which they are normally assigned, the specific assignment limitations which are explained in paragraph (b) of this section, and the certified frequency coordinator for each frequency:

(2) Unless otherwise specified, coordination of frequencies in the Industrial/Business pool must be done in accordance with the following:

(i) Unless specified elsewhere in this part, frequencies without any coordinator specified in the Coordinator column of paragraph (b)(3) of this section may be coordinated by any frequency coordinator certified in the Industrial/Business Pool.

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(ii) A letter symbol in the Coordinator column of the frequency table in paragraph (b)(3) of this section designates the mandatory certified frequency coordinator for the associated frequency in the table. However, any coordinator certified in the Industrial/Business Pool may coordinate applications on such frequencies provided the prior written consent of the designated coordinator is obtained. Frequencies for which two coordinators are listed may be coordinated by either of the listed coordinators.

(iii) For frequencies above 150 MHz, applications for new or modified facilities on frequencies shared prior to radio service consolidation by the former Manufacturers Radio Service, the Forest Products Radio Service, the Power Radio Service, the Petroleum Radio Service, the Motor Carrier Radio Service, the Railroad Radio Service, the Telephone Maintenance Radio Service and the Automobile Emergency Radio Service may be coordinated by any certified Industrial/Business Pool coordinator. However, in the event that the interference contour of a proposed station would overlap the service contour of an existing station licensed on one of these previously shared frequencies, the written concurrence of the coordinator associated with the industry for which the existing station license was issued, or the written concurrence of the licensee of the existing station, shall be obtained. For the purposes of this §90.35, the service contour for UHF stations is the 39 dBu contour; and the interference contour for UHF stations is the 21 dBu contour; the service contour for VHF stations is the 37 dBu contour; and the interference contour for VHF stations is the 19 dBu contour.

(iv) The letter symbols listed in the Coordinator column of the frequency table in paragraph (b)(3) of this section refer to specific frequency coordinators as follows:

- IP—Petroleum Coordinator
- IW—Power Coordinator
- LR—Railroad Coordinator
- LA—Automobile Emergency Coordinator

(3) Frequencies.

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations	Coordinator
Kilohertz			
2000 to 25,000	Fixed, base or mobile.	1, 90 .....	
2292 .....	Base or mobile	4, 5, 7.	
2398 .....	.....do .....	5, 7.	
4637.5 .....	.....do .....	5, 7.	
Megahertz			
25.02 .....	.....do .....	3, 4 .....	IP
25.04 .....	.....do .....	8 .....	IP
25.06 .....	.....do .....	3, 4 .....	IP
25.08 .....	.....do .....	8, 9 .....	IP
25.10 .....	.....do .....	3, 4, 9 .....	IP
25.12 .....	.....do .....	9 .....	IP
25.14 .....	.....do .....	3, 4, 9 .....	IP
25.16 .....	.....do .....	9 .....	IP
25.18 .....	.....do .....	3, 4, 9 .....	IP
25.20 .....	.....do .....	9 .....	IP
25.22 .....	.....do .....	4, 7 .....	IP
25.24 .....	.....do .....	.....	IP
25.26 .....	.....do .....	4, 7 .....	IP
25.28 .....	.....do .....	.....	IP
25.30 .....	.....do .....	4, 7 .....	IP
25.32 .....	.....do .....	.....	IP
27.43 .....	.....do .....	.....	
27.45 .....	.....do .....	.....	
27.47 .....	.....do .....	.....	
27.49 .....	.....do .....	10.	
27.51 .....	Mobile .....	11.	
27.53 .....	.....do .....	11.	
27.555 .....	Base or mobile	89	
27.615 .....	.....do .....	89	
27.635 .....	.....do .....	89	
27.655 .....	.....do .....	89	
27.765 .....	.....do .....	89	
27.86 .....	Base or mobile	89	
29.71 .....	.....do .....	.....	
29.73 .....	.....do .....	.....	
29.75 .....	.....do .....	.....	
29.77 .....	.....do .....	.....	
29.79 .....	.....do .....	.....	
30.58 .....	.....do .....	.....	
30.60 .....	.....do .....	.....	
30.62 .....	.....do .....	.....	
30.64 .....	.....do .....	.....	
30.66 .....	.....do .....	4, 7.	
30.68 .....	.....do .....	.....	
30.70 .....	.....do .....	4, 7 .....	IP
30.72 .....	.....do .....	.....	
30.74 .....	.....do .....	4, 7.	
30.76 .....	.....do .....	.....	
30.78 .....	.....do .....	4, 7 .....	IP
30.80 .....	.....do .....	.....	
30.82 .....	.....do .....	4, 7.	
30.84 .....	Mobile .....	11, 12.	
30.86 .....	Base or mobile	13	
30.88 .....	.....do .....	.....	
30.90 .....	.....do .....	13.	
30.92 .....	.....do .....	.....	
30.94 .....	.....do .....	13.	
30.96 .....	.....do .....	.....	
30.98 .....	.....do .....	13.	
31.00 .....	.....do .....	.....	
31.02 .....	.....do .....	13.	
31.04 .....	.....do .....	.....	
31.06 .....	.....do .....	13.	
31.08 .....	.....do .....	.....	
31.10 .....	.....do .....	13.	
31.12 .....	.....do .....	.....	

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INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
31.14	.....do	13.	
31.16	.....do		
31.20	.....do		
31.24	.....do		
31.28	.....do		
31.32	.....do		
31.36	.....do		
31.40	.....do		
31.44	.....do		
31.48	.....do		
31.52	.....do		
31.56	.....do		
31.60	.....do		
31.64	.....do		
31.68	.....do		
31.72	.....do		
31.76	.....do		
31.80	.....do		
31.84	.....do		
31.88	.....do		
31.92	.....do		
31.96	.....do		
33.12	Mobile	11	
33.14	Mobile	11, 12.	
33.16	Base or mobile		
33.18	.....do		IP
33.20	.....do		IP
33.22	.....do		IP
33.24	.....do		IP
33.26	.....do		IP
33.28	.....do		IP
33.30	.....do		IP
33.32	.....do		IP
33.34	.....do		IP
33.36	.....do		IP
33.38	.....do		IP
33.40	Mobile	12, 14.	
35.02	.....do	11, 12, 13.	
35.04	Base or Mobile	10.	
35.06	.....do		
35.08	.....do		
35.10	.....do		
35.12	.....do		
35.14	.....do		
35.16	.....do		
35.18	.....do		
35.28	.....do		
35.32	.....do		
35.36	.....do		
35.40	.....do		
35.44	.....do		
35.48	.....do		
35.52	.....do		
35.70	.....do		
35.72	.....do		
35.74	.....do		
35.76	.....do		
35.78	.....do		
35.80	.....do		
35.82	.....do		
35.84	.....do		
35.86	.....do		
35.88	.....do		
35.90	.....do		
35.92	.....do		
35.94	.....do		
35.96	.....do		
35.98	.....do		
36.25	.....do	15	IP
37.44	.....do		

Frequency or band	Class of station(s)	Limitations	Coordinator
37.46	.....do		IW
37.48	.....do		IW
37.50	.....do		IW
37.52	.....do		IW
37.54	.....do		IW
37.56	.....do		IW
37.58	.....do		IW
37.60	Base, mobile, or operational fixed.	16	IW
37.62	Base or mobile		IW
37.64	.....do		IW
37.66	.....do		IW
37.68	.....do		IW
37.70	.....do		IW
37.72	.....do		IW
37.74	.....do		IW
37.76	.....do		IW
37.78	.....do		IW
37.80	.....do		IW
37.82	.....do		IW
37.84	Base, mobile, or operational fixed.	16	IW
37.86	Base or mobile		IW
37.88	.....do		
41.71	.....do	15	IP
42.96	.....do		
42.98	Mobile	11, 12.	
43.00	Base or mobile		
43.02	.....do		
43.04	.....do	17.	
43.06	.....do		
43.08	.....do		
43.10	.....do		
43.12	.....do		
43.14	.....do		
43.16	Mobile.		
43.18	Base or mobile.		
43.28	.....do		
43.32	.....do		
43.36	.....do		
43.40	.....do		
43.44	.....do		
43.48	.....do		
43.52	.....do		
43.70	.....do		
43.72	.....do	18.	
43.74	.....do	18.	
43.76	.....do		
43.78	.....do		
43.80	.....do		
43.82	.....do	18.	
43.84	.....do	18.	
43.86	.....do	19.	
43.88	.....do	19.	
43.90	.....do	19.	
43.92	.....do	18, 19.	
43.94	.....do	19.	
43.96	.....do	18.	
43.98	.....do		
44.00	.....do		
44.02	.....do		
44.04	.....do		
44.06	.....do		
44.08	.....do		
44.10	.....do	20.	
44.12	.....do	18.	
44.14	.....do		
44.16	.....do	18.	

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INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
44.18	.....do	18.	
44.20	.....do	18, 21.	
44.22	.....do		
44.24	.....do		
44.26	.....do		
44.28	.....do		
44.30	.....do		
44.32	.....do	18.	
44.34	.....do		
44.36	.....do	18, 19.	
44.38	.....do	19.	
44.40	.....do	18, 19.	
44.42	.....do	19.	
44.44	.....do	19.	
44.46	.....do	18.	
44.48	.....do	18.	
44.50	.....do		
44.52	.....do		
44.54	.....do		
44.56	.....do		
44.58	.....do		
44.60	.....do		
47.44	.....do		
47.48	.....do		
47.52	.....do		
47.56	.....do		
47.60	.....do		
47.64	.....do		
47.68	.....do		
47.70	.....do		IW
47.72	.....do		IW
47.74	.....do		IW
47.76	.....do		IW
47.78	.....do		IW
47.80	.....do		IW
47.82	.....do		IW
47.84	.....do		IW
47.86	.....do		IW
47.88	.....do		IW
47.90	.....do		IW
47.92	.....do		IW
47.94	.....do		IW
47.96	.....do		IW
47.98	.....do		IW
48.00	.....do		IW
48.02	.....do		IW
48.04	.....do		IW
48.06	.....do		IW
48.08	.....do		IW
48.10	.....do		IW
48.12	.....do		IW
48.14	.....do		IW
48.16	.....do		IW
48.18	.....do		IW
48.20	.....do		IW
48.22	.....do		IW
48.24	.....do		IW
48.26	.....do		IW
48.28	.....do		IW
48.30	.....do		IW
48.32	.....do		IW
48.34	.....do		IW
48.36	.....do		IW
48.38	.....do		IW
48.40	.....do		IW
48.42	.....do		IW
48.44	.....do		IW
48.46	.....do		IW
48.48	.....do		IW
48.50	.....do		IW

Frequency or band	Class of station(s)	Limitations	Coordinator
48.52	.....do		IW
48.54	.....do		IW
48.56	.....do		
48.58	.....do		
48.60	.....do		
48.62	.....do		
48.64	.....do		
48.66	.....do		
48.68	.....do		
48.70	.....do		
48.72	.....do		
48.74	.....do		
48.76	.....do	18.	
48.78	.....do		
48.80	.....do		
48.82	.....do		
48.84	.....do	18.	
48.86	.....do	18.	
48.88	.....do		
48.90	.....do		
48.92	.....do	18.	
48.94	.....do		
48.96	.....do		
48.98	.....do		
49.00	.....do		
49.02	.....do	18.	
49.04	.....do		
49.06	.....do		
49.08	.....do	18.	
49.10	.....do	18.	
49.12	.....do		
49.14	.....do		
49.16	.....do	18.	
49.18	.....do		
49.20	.....do	18.	
49.22	.....do		
49.24	.....do	18.	
49.26	.....do	18.	
49.28	.....do	18.	
49.30	.....do		
49.32	.....do		
49.34	.....do		
49.36	.....do	18.	
49.38	.....do		
49.40	.....do	18.	
49.42	.....do		
49.44	.....do		
49.46	.....do	18.	
49.48	.....do		
49.50	.....do	18.	
49.52	.....do		
49.54	.....do		
49.56	.....do		
49.58	.....do		
72 to 76	Operational fixed.	22.	
72.02	Mobile	23, 24.	
72.04	.....do	23, 24.	
72.06	.....do	23, 24.	
72.08	.....do	23, 24, 25.	
72.10	.....do	23, 24.	
72.12	.....do	23, 24.	
72.14	.....do	23, 24.	
72.16	.....do	23, 24, 25.	
72.18	.....do	23, 24.	
72.20	.....do	23, 24.	
72.22	.....do	23, 24.	
72.24	.....do	23, 24, 25.	
72.26	.....do	23, 24.	
72.28	.....do	23, 24.	

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TABLE—Continued

INDUSTRIAL/BUSINESS POOL FREQUENCY  
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Frequency or band	Class of station(s)	Limitations	Coordinator
72.30	.....do	23, 24.	
72.32	.....do	23, 24, 25.	
72.34	.....do	23, 24.	
72.36	.....do	23, 24.	
72.38	.....do	23, 24.	
72.40	.....do	23, 24, 25.	
72.44	.....do	13, 24, 77.	
72.48	.....do	13, 24, 77.	
72.52	.....do	13, 24, 77.	
72.56	.....do	13, 24, 77.	
72.60	.....do	13, 24, 77.	
74.61	.....do	26, 77.	
74.63	.....do	26, 77.	
74.65	.....do	26, 77.	
74.67	.....do	26, 77.	
74.69	.....do	26, 77.	
74.71	.....do	26, 77.	
74.73	.....do	26, 77.	
74.75	.....do	26, 77.	
74.77	.....do	26, 77.	
74.79	.....do	26, 77.	
75.21	.....do	26, 77.	
75.23	.....do	26, 77.	
75.25	.....do	26, 77.	
75.27	.....do	26, 77.	
75.29	.....do	26, 77.	
75.31	.....do	26, 77.	
75.33	.....do	26, 77.	
75.35	.....do	26, 77.	
75.37	.....do	26, 77.	
75.39	.....do	26, 77.	
75.44	.....do	13, 24, 77.	
75.48	.....do	13, 24, 77.	
75.52	.....do	13, 24, 77.	
75.56	.....do	13, 24, 77.	
75.60	.....do	13, 24, 77.	
150 to 170	Base or mobile	27.	
150.815	.....do		LA
150.830	.....do	28, 29	LA
150.845	.....do		LA
150.8525	.....do	30	LA
150.860	.....do		LA
150.8675	.....do	30	LA
150.875	.....do		LA
150.8825	.....do	30	LA
150.890	.....do		LA
150.8975	.....do	30	LA
150.905	.....do		LA
150.920	.....do	28, 29	LA
150.935	.....do		LA
150.9425	.....do	30	LA
150.950	.....do		LA
150.9575	.....do	30	LA
150.965	.....do		LA
150.9725	.....do	30	LA
150.980	.....do	8	IP
150.9875	.....do	8, 30	IP
150.995	.....do	31.	
151.0025	.....do	30, 31	
151.010	.....do	31.	
151.0175	.....do	30, 31	
151.025	.....do	31.	
151.0325	.....do	30, 31	
151.040	.....do	31.	
151.0475	.....do	3031	
151.055	.....do	31.	
151.070	Base	28, 29, 31.	
151.085	Base or mobile	31.	
151.0925	.....do	30, 31	
151.100	.....do	31.	

Frequency or band	Class of station(s)	Limitations	Coordinator
151.1075	.....do	30, 31	
151.115	.....do	31.	
151.1225	.....do	30, 31	
151.130	.....do	31.	
151.1375	.....do	30, 31	
151.145	.....do	31.	
151.1525	.....do	30, 31	
151.160	.....do	31.	
151.1675	.....do	30, 31	
151.175	.....do	31.	
151.190	Base	28, 29, 31.	
151.205	Base or mobile	31.	
151.2125	.....do	30, 31	
151.220	.....do	31.	
151.2275	.....do	30, 31	
151.235	.....do	31.	
151.2425	.....do	30, 31	
151.250	.....do	31.	
151.2575	.....do	30, 31	
151.265	.....do	31.	
151.2725	.....do	30, 31	
151.280	.....do	31.	
151.2875	.....do	30, 31	
151.295	.....do	31.	
151.310	Base	28, 29, 31.	
151.325	Base or mobile	31.	
151.3325	.....do	30, 31	
151.340	.....do	31.	
151.3475	.....do	30, 31	
151.355	.....do	31.	
151.3625	.....do	30, 31	
151.370	.....do	31.	
151.3775	.....do	30, 31	
151.385	.....do	31.	
151.3925	.....do	30, 31	
151.400	.....do	31.	
151.4075	.....do	30, 31	
151.415	.....do	31.	
151.4225	.....do	30, 31	
151.430	.....do	31.	
151.4375	.....do	30, 31	
151.445	.....do	31.	
151.4525	.....do	30, 31	
151.460	.....do	31.	
151.4675	.....do	30, 31	
151.475	.....do	31.	
151.4825	.....do	30, 31	
151.490	.....do	13, 32.	
151.4975	.....do	30, 32	
151.505	.....do	17.	
151.5125	.....do	30, 17	
151.520	.....do		
151.5275	.....do	30	
151.535	.....do		
151.5425	.....do	30	
151.550	.....do		
151.5575	.....do	30	
151.565	.....do		
151.5725	.....do	30	
151.580	.....do		
151.5875	.....do	30	
151.595	.....do		
151.6025	.....do	30	
151.625	.....do	10.	
151.640	.....do	10, 33.	
151.6475	.....do	30	
151.655	.....do		
151.6625	.....do	30	
151.670	.....do	30	
151.6775	.....do	30	

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TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
151.685	.....do.		
151.700	.....do	10, 30, 34.	
151.715	.....do.		
151.7225	.....do	30	
151.730	.....do	30	
151.7375	.....do	30	
151.745	.....do.		
151.760	.....do	10, 30, 34.	
151.775	.....do.		
151.7825	.....do	30	
151.790	.....do	30	
151.7975	.....do	30	
151.805	.....do.		
151.835	Base or mobile.		
151.8425	.....do	30	
151.850	.....do	30	
151.8575	.....do	30	
151.865	.....do.		
151.895	.....do		
151.9025	.....do	30	
151.910	.....do	30	
151.9175	.....do	30	
151.925	.....do.		
151.955	.....do		
151.9625	.....do	30	
151.970	.....do	30	
151.9775	.....do	30	
151.985	.....do.		
152.2625	.....do	33.	
152.270	.....do	6.	
152.2775	.....do	6, 30	
152.285	.....do	6.	
152.2925	.....do	6, 30	
152.300	.....do	6.	
152.3075	.....do	6, 30	
152.315	.....do	6.	
152.3225	.....do	6, 30	
152.330	.....do	6.	
152.3375	.....do	6, 30	
152.345	.....do	6.	
152.3525	.....do	6, 30	
152.360	.....do	6.	
152.3675	.....do	6, 30	
152.375	.....do	6.	
152.3825	.....do	6, 30	
152.390	.....do	6.	
152.3975	.....do	6, 30	
152.405	.....do	6.	
152.4125	.....do	6, 30	
152.420	.....do	6.	
152.4275	.....do	6, 30	
152.435	.....do	6.	
152.4425	.....do	6, 30	
152.450	.....do	6.	
152.4575	.....do	6, 30	
152.465	.....do	79.	
152.480	.....do	29, 36, 37, 38.	
152.8625	.....do	33.	
152.870	.....do		
152.8775	.....do	30	
152.885	.....do.		
152.8925	.....do	30	
152.900	.....do.		
152.9075	.....do	30	
152.915	.....do.		
152.9225	.....do	30	
152.930	.....do.		
152.9375	.....do	30	
152.945	.....do.		

INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
152.9525	.....do	30	
152.960	.....do.		
152.9675	.....do	30	
152.975	.....do.		
152.9825	.....do	30	
152.990	.....do.		
152.9975	.....do	30	
153.005	.....do.		
153.0125	.....do	30	
153.020	.....do		
153.0275	.....do	30	
153.035	.....do		IP
153.0425	.....do	30.	
153.050	.....do	4, 7	IP
153.0575	.....do	4, 7, 30.	
153.065	.....do		IP
153.0725	.....do	30.	
153.080	.....do	4, 7	IP
153.0875	.....do	4, 7, 30.	
153.095	.....do		IP
153.1025	.....do	30, 80.	
153.110	.....do	4, 7	IP
153.1175	.....do	4, 7, 30.	
153.125	.....do		IP
153.1325	.....do	30.	
153.140	.....do	4, 7	IP
153.1475	.....do	4, 7, 30.	
153.155	.....do		IP
153.1625	.....do	30.	
153.170	.....do	4, 7	IP
153.1775	.....do	4, 7, 30.	
153.185	.....do		IP
153.1925	.....do	30.	
153.200	.....do	4, 7	IP
153.2075	.....do	4, 7, 30.	
153.215	.....do		IP
153.2225	.....do	30.	
153.230	.....do	4, 7	IP
153.2375	.....do	4, 7, 30.	
153.245	.....do		IP
153.2525	.....do	30.	
153.260	.....do	4, 7	IP
153.2675	.....do	4, 7, 30.	
153.275	.....do		IP
153.2825	.....do	30.	
153.290	.....do	4, 7	IP
153.2975	.....do	4, 7, 30.	
153.305	.....do		IP
153.3125	.....do	30.	
153.320	.....do	4, 7	IP
153.3275	.....do	4, 7, 30.	
153.335	.....do		IP
153.3425	.....do	30.	
153.350	.....do	4, 7	IP
153.3575	.....do	4, 7, 30.	
153.365	.....do		IP
153.3725	.....do	30.	
153.380	.....do		IP
153.3875	.....do	30.	
153.395	.....do		IP
153.4025	.....do	30.	
153.410	.....do		IW
153.4175	.....do	30	IW
153.425	.....do	80	IP, IW
153.4325	.....do	30, 80	IP, IW
153.440	.....do	80	IP, IW
153.4475	.....do	30, 80	IP, IW
153.455	.....do	80	IP, IW
153.4625	.....do	30, 80	IP, IW
153.470	.....do		IW

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TABLE—Continued

INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
153.4775	.....do	30	IW
153.485	.....do	80	IP, IW
153.4925	.....do	30, 80	IP, IW
153.500	.....do	80	IP, IW
153.5075	.....do	30, 80	IP, IW
153.515	.....do	80	IP, IW
153.5225	.....do	30, 80	IP, IW
153.530	.....do		IW
153.5375	.....do	30	IW
153.545	.....do	80	IP, IW
153.5525	.....do	30, 80	IP, IW
153.560	.....do	30, 80	IP, IW
153.5675	.....do	30, 80	IP, IW
153.575	.....do	80	IP, IW
153.5825	.....do	30, 80	IP, IW
153.590	.....do		IW
153.5975	.....do	30	IW
153.605	.....do	80	IP, IW
153.6125	.....do	30, 80	IP, IW
153.620	.....do	80	IP, IW
153.6275	.....do	30, 80	IP, IW
153.635	.....do	80	IP, IW
153.6425	.....do	30, 80	IP, IW
153.650	.....do		IW
153.6575	.....do	30	IW
153.665	.....do	80	IP, IW
153.6725	.....do	30, 80	IP, IW
153.680	.....do	80	IP, IW
153.6875	.....do	30, 80	IP, IW
153.695	.....do		IW
153.7025	.....do	30	IW
153.710	.....do		IW
153.7175	.....do	30	IW
153.725	.....do		IW
153.7325	.....do	30	IW
154.45625	Fixed or mobile	39, 40, 41, 42	
154.46375	.....do	39, 40, 43	
154.47125	.....do	39, 40, 41, 44	
154.47875	.....do	39, 40, 41, 42	
154.4825	Base or mobile	30	
154.490	.....do		
154.4975	.....do	30	
154.505	.....do	30	
154.515	.....do		
154.5275	Mobile	10, 30, 34	
154.540	.....Base or mobile		
154.5475	.....do	30	
154.555	.....do	33	
154.585	Mobile	8, 46	IP
154.610	Base or mobile	33	
154.625	.....do	36, 37, 48	
154.640	Base	36, 37, 48	
157.470	Base or mobile	12	LA
157.4775	.....do	12, 30	LA
157.485	.....do	12	LA
157.4925	.....do	12, 30	LA
157.500	.....do	12	LA
157.5075	.....do	12, 30	LA
157.515	.....do	12	LA
157.5225	.....do	12, 30	LA
157.530	Mobile	6	
157.5375	.....do	6, 30	
157.545	.....do	6	
157.5525	.....do	6, 30	
157.560	Base or mobile	6	
157.5675	.....do	6, 30	

Frequency or band	Class of station(s)	Limitations	Coordinator
157.575	Mobile	6	
157.5825	.....do	6, 30	
157.590	.....do	6	
157.5975	.....do	6, 30	
157.605	.....do	6	
157.6125	.....do	6, 30	
157.620	Base or mobile	6	
157.6275	.....do	6, 30	
157.635	Mobile	6	
157.6425	.....do	6, 30	
157.650	.....do	6	
157.6575	.....do	6, 30	
157.665	.....do	6	
157.6725	.....do	6, 30	
157.680	.....do	6	
157.6875	.....do	6, 30	
157.695	.....do	6	
157.7025	.....do	6, 30	
157.710	.....do	6	
157.7175	.....do	6, 30	
157.725	Base or mobile	79	
157.740	.....do	29, 36, 37, 38	
158.1225	.....do	33	IW
158.130	.....do		IW
158.1375	.....do	6, 30	IW
158.145	.....do		IP, IW
158.1525	.....do	6, 30	IP, IW
158.160	.....do		IP, IW
158.1675	.....do	6, 30	IP, IW
158.175	.....do	81	IP, IW
158.1825	.....do	30, 81	IP, IW
158.190	.....do		IW
158.1975	.....do	30	IW
158.205	.....do	81	IP, IW
158.2125	.....do	30, 81	IP, IW
158.220	.....do	81	IP, IW
158.2275	.....do	30, 81	IP, IW
158.235	.....do	81	IP, IW
158.2425	.....do	30, 81	IP, IW
158.250	.....do		IW
158.2575	.....do	30	IW
158.265	.....do	81	IP, IW
158.2725	.....do	30, 81	IP, IW
158.280	.....do		IP
158.2875	.....do	30	IP
158.295	.....do		IP
158.3025	.....do	30	IP
158.310	.....do	4, 7	IP
158.3175	.....do	4, 7, 30	IP
158.325	.....do		IP
158.3325	.....do	30	IP
158.340	Mobile		
158.3475	.....do	30	
158.355	Base or mobile		IP
158.3625	.....do	30	IP
158.370	.....do	4, 7	IP
158.3775	.....do	4, 7, 30	IP
158.385	.....do		
158.3925	.....do	30	
158.400	.....do	17	
158.4075	.....do	17, 30	
158.415	.....do		IP
158.4225	.....do	30	IP
158.430	.....do	4, 7	IP
158.4375	.....do	4, 7, 30	IP
158.445	Mobile	8, 49	IP
158.460	Base or mobile	29, 36, 37, 38, 48	
159.480	.....do	8, 82	IP

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INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
159.4875	.....do	8, 30	IP
159.495	.....do		
159.5025	.....do	30	
159.510	.....do		
159.5175	.....do	30	
159.525	.....do		
159.5325	.....do	30	
159.540	.....do		
159.5475	.....do	30	
159.555	.....do		
159.5625	.....do	30	
159.570	.....do		
159.5775	.....do	30	
159.585	.....do		
159.5925	.....do	30	
159.600	.....do		
159.6075	.....do	30	
159.615	.....do		
159.6225	.....do	30	
159.630	.....do		
159.6375	.....do	30	
159.645	.....do		
159.6525	.....do	30	
159.660	.....do		
159.6675	.....do	30	
159.675	.....do		
159.6825	.....do	30	
159.690	.....do		
159.6975	.....do	30	
159.705	.....do		
159.7125	.....do	30	
159.720	.....do		
159.7275	.....do	30	
159.735	.....do		
159.7425	.....do	30	
159.750	.....do		
159.7575	.....do	30	
159.765	.....do		
159.7725	.....do	30	
159.780	.....do		
159.7875	.....do	30	
159.795	.....do		
159.8025	.....do	30	
159.810	.....do		
159.8175	.....do	30	
159.825	.....do		
159.8325	.....do	30	
159.840	.....do		
159.8475	.....do	30	
159.855	.....do		
159.8625	.....do	30	
159.870	.....do		
159.8775	.....do	30	
159.885	.....do		
159.8925	.....do	30	
159.900	.....do		
159.9075	.....do	30	
159.915	.....do		
159.9225	.....do	30	
159.930	.....do		
159.9375	.....do	30	
159.945	.....do		
159.9525	.....do	30	
159.960	.....do		
159.9675	.....do	30	
159.975	.....do		
159.9825	.....do	30	
159.990	.....do		
159.9975	.....do	30	
160.005	.....do		

INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
160.0125	.....do	30	
160.020	.....do		
160.0275	.....do	30	
160.035	.....do		
160.0425	.....do	30	
160.050	.....do		
160.0575	.....do	30	
160.065	.....do		
160.0725	.....do	30	
160.080	.....do		
160.0875	.....do	30	
160.095	.....do		
160.1025	.....do	30	
160.110	.....do		
160.1175	.....do	30	
160.125	.....do		
160.1325	.....do	30	
160.140	.....do		
160.1475	.....do	30	
160.155	.....do		
160.1625	.....do	30	
160.170	.....do		
160.1775	.....do	30	
160.185	.....do		
160.1925	.....do	30	
160.200	.....do		
160.2075	.....do	30	
160.215	.....do	50	LR
160.2225	.....do	30, 50	LR
160.230	.....do	50	LR
160.2375	.....do	30, 50	LR
160.245	.....do	50	LR
160.2525	.....do	30, 50	LR
160.260	.....do	50	LR
160.2675	.....do	30, 50	LR
160.275	.....do	50	LR
160.2825	.....do	30, 50	LR
160.290	.....do	50	LR
160.2975	.....do	30, 50	LR
160.305	.....do	50	LR
160.3125	.....do	30, 50	LR
160.320	.....do	50	LR
160.3275	.....do	30, 50	LR
160.335	.....do	50	LR
160.3425	.....do	30, 50	LR
160.350	.....do	50	LR
160.3575	.....do	30, 50	LR
160.365	.....do	50	LR
160.3725	.....do	30, 50	LR
160.380	.....do	50	LR
160.3875	.....do	30, 50	LR
160.395	.....do	50	LR
160.4025	.....do	30, 50	LR
160.410	.....do	50, 52	LR
160.4175	.....do	30, 50, 52	LR
160.425	.....do	50, 52	LR
160.4325	.....do	30, 50, 52	LR
160.440	.....do	50, 52	LR
160.4475	.....do	30, 50, 52	LR
160.455	.....do	50, 52	LR
160.4625	.....do	30, 50, 52	LR
160.470	.....do	50, 52	LR
160.4775	.....do	30, 50, 52	LR
160.485	.....do	50, 52	LR
160.4925	.....do	30, 50, 52	LR
160.500	.....do	50, 52	LR
160.5075	.....do	30, 50, 52	LR
160.515	.....do	50, 52	LR
160.5225	.....do	30, 50, 52	LR
160.530	.....do	50, 52	LR



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TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
160.5375	.....do	30, 50, 52	LR
160.545	.....do	50, 52	LR
160.5525	.....do	30, 50, 52	LR
160.560	.....do	50, 52	LR
160.5675	.....do	30, 50, 52	LR
160.575	.....do	50, 52	LR
160.5825	.....do	30, 50, 52	LR
160.590	.....do	50, 52	LR
160.5975	.....do	30, 50, 52	LR
160.605	.....do	50, 52	LR
160.6125	.....do	30, 50, 52	LR
160.620	.....do	50	LR
160.6275	.....do	30, 50	LR
160.635	.....do	50	LR
160.6425	.....do	30, 50	LR
160.650	.....do	50	LR
160.6575	.....do	30, 50	LR
160.665	.....do	50	LR
160.6725	.....do	30, 50	LR
160.680	.....do	50	LR
160.6875	.....do	30, 50	LR
160.695	.....do	50	LR
160.7025	.....do	30, 50	LR
160.710	.....do	50	LR
160.7175	.....do	30, 50	LR
160.725	.....do	50	LR
160.7325	.....do	30, 50	LR
160.740	.....do	50	LR
160.7475	.....do	30, 50	LR
160.755	.....do	50	LR
160.7625	.....do	30, 50	LR
160.770	.....do	50	LR
160.7775	.....do	30, 50	LR
160.785	.....do	50	LR
160.7925	.....do	30, 50	LR
160.800	.....do	50	LR
160.8075	.....do	30, 50	LR
160.815	.....do	50	LR
160.8225	.....do	30, 50	LR
160.830	.....do	50	LR
160.8375	.....do	30, 50	LR
160.845	.....do	50	LR
160.8525	.....do	30, 50	LR
160.860	.....do	50, 51	LR
160.8675	.....do	30, 50, 51	LR
160.875	.....do	50, 51	LR
160.8825	.....do	30, 50, 51	LR
160.890	.....do	50, 51	LR
160.8975	.....do	30, 50, 51	LR
160.905	.....do	50, 51	LR
160.9125	.....do	30, 50, 51	LR
160.920	.....do	50, 51	LR
160.9275	.....do	30, 50, 51	LR
160.935	.....do	50, 51	LR
160.9425	.....do	30, 50, 51	LR
160.950	.....do	50, 51	LR
160.9575	.....do	30, 50, 51	LR
160.965	.....do	50, 51	LR
160.9725	.....do	30, 50, 51	LR
160.980	.....do	50, 51	LR
160.9875	.....do	30, 50, 51	LR
160.995	.....do	50, 51	LR
161.0025	.....do	30, 50, 51	LR
161.010	.....do	50, 51	LR
161.0175	.....do	30, 50, 51	LR
161.025	.....do	50, 51	LR
161.0325	.....do	30, 50, 51	LR
161.040	.....do	50, 51	LR
161.0475	.....do	30, 50, 51	LR
161.055	.....do	50, 51	LR

INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
161.0625	.....do	30, 50, 51	LR
161.070	.....do	50, 51	LR
161.0775	.....do	30, 50, 51	LR
161.085	.....do	50, 51	LR
161.0925	.....do	30, 50, 51	LR
161.100	.....do	50, 51	LR
161.1075	.....do	30, 50, 51	LR
161.115	.....do	50, 51	LR
161.1225	.....do	30, 50, 51	LR
161.130	.....do	50, 51	LR
161.1375	.....do	30, 50, 51	LR
161.145	.....do	50, 51	LR
161.1525	.....do	30, 50, 51	LR
161.160	.....do	50, 51	LR
161.1675	.....do	30, 50, 51	LR
161.175	.....do	50, 51	LR
161.1825	.....do	30, 50, 51	LR
161.190	.....do	50, 51	LR
161.1975	.....do	30, 50, 51	LR
161.205	.....do	50, 51	LR
161.2125	.....do	30, 50, 51	LR
161.220	.....do	50, 51	LR
161.2275	.....do	30, 50, 51	LR
161.235	.....do	50, 51	LR
161.2425	.....do	30, 50, 51	LR
161.250	.....do	50, 51	LR
161.2575	.....do	30, 50, 51	LR
161.265	.....do	50, 51	LR
161.2725	.....do	30, 50, 51	LR
161.280	.....do	50, 51	LR
161.2875	.....do	30, 50, 51	LR
161.295	.....do	50, 51	LR
161.3025	.....do	30, 50, 51	LR
161.310	.....do	50, 51	LR
161.3175	.....do	30, 50, 51	LR
161.325	.....do	50, 51	LR
161.3325	.....do	30, 50, 51	LR
161.340	.....do	50, 51	LR
161.3475	.....do	30, 50, 51	LR
161.355	.....do	50, 51	LR
161.3625	.....do	30, 50, 51	LR
161.370	.....do	50, 51	LR
161.3775	.....do	30, 50, 51	LR
161.385	.....do	50, 52	LR
161.3925	.....do	30, 50, 52	LR
161.400	.....do	50, 52	LR
161.4075	.....do	30, 50, 52	LR
161.415	.....do	50, 52	LR
161.4225	.....do	30, 50, 52	LR
161.430	.....do	50, 52	LR
161.4375	.....do	30, 50, 52	LR
161.445	.....do	50, 52	LR
161.4525	.....do	30, 50, 52	LR
161.460	.....do	50, 52	LR
161.4675	.....do	30, 50, 52	LR
161.475	.....do	50, 52	LR
161.4825	.....do	30, 50, 52	LR
161.490	.....do	50, 52	LR
161.4975	.....do	30, 50, 52	LR
161.505	.....do	50, 52	LR
161.5125	.....do	30, 50, 52	LR
161.520	.....do	50, 52	LR
161.5275	.....do	30, 50, 52	LR
161.535	.....do	50, 52	LR
161.5425	.....do	30, 50, 52	LR
161.550	.....do	50, 52	LR
161.5575	.....do	30, 50, 52	LR
161.565	.....do	50, 52	LR
161.610	.....do	78	LR
169 to 172	Mobile, operational fixed.	53.	

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INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
173.20375	Fixed or mobile	39, 40, 41, 44.	IP, IW
173.210	.....do .....	40, 41, 44, 54.	
173.225	Base or mobile.	39, 40, 41, 42.	
173.2375	Fixed or mobile		
173.250	Base or mobile	39, 40, 41, 42.	
173.2625	Fixed or mobile		
173.275	Base or mobile.	39, 40, 41, 42.	
173.2875	Fixed or mobile		
173.300	Base or mobile	39, 40, 41, 42.	
173.3125	Fixed or mobile		
173.325	Base or mobile.	39, 40, 41, 42.	
173.3375	Fixed or mobile		
173.350	Base or mobile	39, 40, 41, 42.	
173.3625	Fixed or mobile		
173.375	Base or mobile.	40, 41, 44, 54.	
173.390	Fixed or mobile		
173.39625	.....do .....	39, 40, 41, 44.	
216 to 217	Base or mobile	55	IP, IW
217 to 220	Base, mobile, or operational fixed.	55	
220 to 222	Base or mobile	53.	
406 to 416	Operational fixed.		
450 to 470	Fixed, base, or mobile.	27, 57.	
451.01875	Base or mobile	33	IW
451.025	.....do .....	.....do .....	IW
451.03125	.....do .....	33	IW
451.0375	.....do .....	30	IW
451.04375	.....do .....	33	IW
451.050	.....do .....	.....do .....	IW
451.05625	.....do .....	33	IW
451.0625	.....do .....	30	IW
451.06875	.....do .....	33	IW
451.075	.....do .....	.....do .....	IW
451.08125	.....do .....	33	IW
451.0875	.....do .....	30	IW
451.09375	.....do .....	33	IW
451.100	.....do .....	.....do .....	IW
451.10625	.....do .....	33	IW
451.1125	.....do .....	30	IW
451.11875	.....do .....	33	IW
451.125	.....do .....	.....do .....	IW
451.13125	.....do .....	33	IW
451.1375	.....do .....	30	IW
451.14375	.....do .....	33	IW
451.150	.....do .....	.....do .....	IW
451.15625	.....do .....	33	IW
451.1625	.....do .....	30	IW
451.16875	.....do .....	33	IW
451.175	do .....	.....do .....	IP, IW
451.18125	.....do .....	33, 84.	IP
451.1875	.....do .....	30, 84.	
451.19375	.....do .....	33, 84.	
451.200	.....do .....	.....do .....	IW
451.20625	.....do .....	33	IW
451.2125	.....do .....	30	IW
451.21875	.....do .....	33	IW
451.225	do .....	.....do .....	IP, IW

Frequency or band	Class of station(s)	Limitations	Coordinator
451.23125	.....do .....	33, 84.	IP, IW
451.2375	.....do .....	30, 84.	
451.24375	.....do .....	33, 84.	
451.250	.....do .....	.....do .....	
451.25625	.....do .....	33	
451.2625	.....do .....	30	
451.26875	.....do .....	33	
451.275	.....do .....	.....do .....	
451.28125	.....do .....	33, 84.	
451.2875	.....do .....	30, 84.	
451.29375	.....do .....	33, 84.	
451.300	.....do .....	.....do .....	
451.30625	.....do .....	33, 84.	
451.3125	.....do .....	30, 84.	
451.31875	.....do .....	33, 84.	
451.325	.....do .....	.....do .....	
451.33125	.....do .....	33, 84.	
451.3375	.....do .....	30, 84.	
451.34375	.....do .....	33, 84.	
451.350	.....do .....	.....do .....	
451.35625	.....do .....	33, 84.	
451.3625	.....do .....	30, 84.	
451.36875	.....do .....	33, 84.	
451.375	.....do .....	.....do .....	
451.38125	.....do .....	33, 84.	
451.3875	.....do .....	30, 84.	
451.39375	.....do .....	33, 84.	
451.400	.....do .....	.....do .....	
451.40625	.....do .....	33, 84.	
451.4125	.....do .....	30, 84.	
451.41875	.....do .....	33, 84.	
451.425	.....do .....	.....do .....	
451.43125	.....do .....	33, 84.	
451.4375	.....do .....	30, 84.	
451.44375	.....do .....	33, 84.	
451.450	.....do .....	.....do .....	
451.45625	.....do .....	33, 84.	
451.4625	.....do .....	30, 84.	
451.46875	.....do .....	33, 84.	
451.475	.....do .....	.....do .....	
451.48125	.....do .....	33, 84.	
451.4875	.....do .....	30, 84.	
451.49375	.....do .....	33, 84.	
451.500	.....do .....	.....do .....	
451.50625	.....do .....	33, 84.	
451.5125	.....do .....	30, 84.	
451.51875	.....do .....	33, 84.	
451.525	.....do .....	.....do .....	
451.53125	.....do .....	33, 84.	
451.5375	.....do .....	30, 84.	
451.54375	.....do .....	33, 84.	
451.550	.....do .....	4, 7	
451.55625	.....do .....	4, 7, 33, 84.	
451.5625	.....do .....	4, 7, 30, 84.	
451.56875	.....do .....	4, 7, 33, 84.	
451.575	.....do .....	.....do .....	
451.58125	.....do .....	33, 84.	
451.5875	.....do .....	30, 84.	
451.59375	.....do .....	33, 84.	
451.600	.....do .....	4, 7	
451.60625	.....do .....	4, 7, 33, 84.	
451.6125	.....do .....	4, 7, 30, 84.	
451.61875	.....do .....	4, 7, 33, 84.	
451.625	.....do .....	.....do .....	

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INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
451.63125	.....do	33, 84.	
451.6375	.....do	30, 84.	
451.64375	.....do	33, 84.	
451.650	.....do	4, 7	IP
451.65625	.....do	4, 7, 33, 84.	
451.6625	.....do	4, 7, 30, 84.	
451.66875	.....do	4, 7, 33, 84.	
451.675	.....do		IP, IW
451.68125	.....do	33, 84.	
451.6875	.....do	30, 84.	
451.69375	.....do	33, 84.	
451.700	.....do	4, 7	IP
451.70625	.....do	4, 7, 33, 84.	
451.7125	.....do	4, 7, 30, 84.	
451.71875	.....do	4, 7, 33, 84.	
451.725	.....do		
451.73125	.....do	33, 84.	
451.7375	.....do	30, 84.	
451.74375	.....do	33, 84.	
451.750	.....do	4, 7	IP
451.75625	.....do	4, 7, 33, 84.	
451.7625	.....do	4, 7, 30, 84.	
451.76875	.....do	4, 7, 33, 84.	
451.775	.....do		
451.78125	.....do	33.	
451.7875	.....do	30.	
451.79375	.....do	33.	
451.800	Base, mobile, or operational fixed.	17, 58.	
451.80625	.....do	17, 33, 58.	
451.8125	.....do	17, 30, 58.	
451.81875	.....do	17, 33, 58.	
451.825	Base or mobile.		
451.83125	.....do	33.	
451.8375	.....do	30.	
451.84375	.....do	33.	
451.850	.....do		
451.85625	.....do	33.	
451.8625	.....do	30.	
451.86875	.....do	33.	
451.875	.....do		
451.88125	.....do	33.	
451.8875	.....do	30.	
451.89375	.....do	33.	
451.900	.....do		
451.90625	.....do	33.	
451.9125	.....do	30.	
451.91875	.....do	33.	
451.925	.....do		
451.93125	.....do	33.	
451.9375	.....do	30.	
451.94375	.....do	33.	
451.950	.....do		
451.95625	.....do	33.	
451.9625	.....do	30.	
451.96875	.....do	33.	
451.975	.....do		
451.98125	.....do	33.	
451.9875	.....do	30.	
451.99375	.....do	33.	

Frequency or band	Class of station(s)	Limitations	Coordinator
452.000	.....do		
452.00625	.....do	33.	
452.0125	.....do	30.	
452.01875	.....do	33.	
452.025	.....do		
452.03125	.....do	33, 84.	
452.0375	.....do	30, 84.	
452.04375	.....do	33, 84.	
452.050	.....do		
452.05625	.....do	33, 84.	
452.0625	.....do	30, 84.	
452.06875	.....do	33, 84.	
452.075	.....do		
452.08125	.....do	33, 84.	
452.0875	.....do	30, 84.	
452.09375	.....do	33, 84.	
452.100	.....do		
452.10625	.....do	33, 84.	
452.1125	.....do	30, 84.	
452.11875	.....do	33, 84.	
452.125	.....do		
452.13125	.....do	33, 84.	
452.1375	.....do	30, 84.	
452.14375	.....do	33, 84.	
452.150	.....do		
452.15625	.....do	33, 84.	
452.1625	.....do	30, 84.	
452.16875	.....do	33, 84.	
452.175	.....do		
452.18125	.....do	33, 84.	
452.1875	.....do	30, 84.	
452.19375	.....do	33, 84.	
452.200	.....do		
452.20625	.....do	33.	
452.2125	.....do	30.	
452.21875	.....do	33.	
452.225	.....do		
452.23125	.....do	33.	
452.2375	.....do	30.	
452.24375	.....do	33.	
452.250	.....do		
452.25625	.....do	33.	
452.2625	.....do	30.	
452.26875	.....do	33.	
452.275	.....do		
452.28125	.....do	33, 84.	
452.2875	.....do	30, 84.	
452.29375	.....do	33, 84.	
452.300	.....do		
452.30625	.....do	33, 84.	
452.3125	.....do	30, 84.	
452.31875	.....do	33, 84.	
452.325	.....do		LR
452.33125	.....do	33.	
452.3375	.....do	30.	
452.34375	.....do	33.	
452.350	.....do		
452.35625	.....do	33.	
452.3625	.....do	30.	
452.36875	.....do	33.	
452.375	.....do		LR
452.38125	.....do	33.	
452.3875	.....do	30.	
452.39375	.....do	33.	
452.400	.....do		
452.40625	.....do	33, 84.	
452.4125	.....do	30, 84.	
452.41875	.....do	33, 84.	
452.425	do		LR
452.43125	.....do	33.	

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INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
452.4375	.....do	30.	
452.44375	.....do	33.	
452.450	.....do		
452.45625	.....do	33.	
452.4625	.....do	30.	
452.46875	.....do	33.	
452.475	.....do		LR
452.48125	.....do	33, 84.	
452.4875	.....do	30, 84.	
452.49375	.....do	33, 84.	
452.500	.....do		
452.50625	.....do	33, 84.	
452.5125	.....do	30, 84.	
452.51875	.....do	33, 84.	
452.525	.....do		LA
452.53125	.....do	33, 84	LA
452.5375	.....do	30, 84	LA
452.54375	.....do	33, 84	LA
452.550	.....do		LA
452.55625	.....do	33	LA
452.5625	.....do	30	LA
452.56875	.....do	33	LA
452.575	.....do		LA
452.58125	.....do	33	LA
452.5875	.....do	30	LA
452.59375	.....do	33	LA
452.600	.....do		LA
452.60625	.....do	33	LA
452.6125	.....do	30	LA
452.61875	.....do	33	LA
452.625	.....do		
452.63125	.....do	33, 84.	
452.6375	.....do	30, 84.	
452.64375	.....do	33, 84.	
452.650	.....do		
452.65625	.....do	33, 84.	
452.6625	.....do	30, 84.	
452.66875	.....do	33, 84.	
452.675	.....do		
452.68125	.....do	33, 84.	
452.6875	.....do	30, 84.	
452.69375	.....do	33, 84.	
452.700	.....do		
452.70625	.....do	33, 84.	
452.7125	.....do	30, 84.	
452.71875	.....do	33, 84.	
452.725	.....do		
452.73125	.....do	33.	
452.7375	.....do	30.	
452.74375	.....do	33.	
452.750	.....do		
452.75625	.....do	33, 84.	
452.7625	.....do	30, 84.	
452.76875	.....do	33, 84.	
452.775	.....do		LR
452.78125	.....do	33, 84.	
452.7875	.....do	30, 84.	
452.79375	.....do	33, 84.	
452.800	.....do		
452.80625	.....do	33, 84.	
452.8125	.....do	30, 84.	
452.81875	.....do	33, 84.	
452.825	.....do		LR
452.83125	.....do	33, 84.	
452.8375	.....do	30, 84.	
452.84375	.....do	33, 84.	
452.850	.....do		
452.85625	.....do	33, 84.	
452.8625	.....do	30, 84.	
452.86875	.....do	33, 84.	

INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
452.875	.....do		LR
452.88125	.....do	33, 84.	
452.8875	.....do	30, 84.	
452.89375	.....do	33, 84.	
452.900	.....do		LR
452.90625	.....do	33	LR
452.9125	.....do	30	LR
452.91875	.....do	33	LR
452.925	.....do	59	LR
452.93125	.....do	33, 59	LR
452.9375	.....do	30, 59	LR
452.94375	.....do	33, 59	LR
452.950	.....do	59	LR
452.95625	.....do	33, 59	LR
452.9625	.....do	30, 59	LR
452.96875	.....do	33, 59	LR
452.975	.....do		
452.98125	.....do	33, 84.	
452.9875	.....do	30, 84.	
452.99375	.....do	33, 84.	
453.000	.....do		
453.00625	.....do	33.	
453.0125	.....do	30.	
453.01875	.....do	33.	
454.000	.....do	8	IP
456.01875	.....do	33	IW
456.025	.....do	Mobile	IW
456.03125	.....do	33	IW
456.0375	.....do	30	IW
456.04375	.....do	33	IW
456.050	.....do		IW
456.05625	.....do	33	IW
456.0625	.....do	30	IW
456.06875	.....do	33	IW
456.075	.....do		IW
456.08125	.....do	33	IW
456.0875	.....do	30	IW
456.09375	.....do	33	IW
456.100	.....do		IW
456.10625	.....do	33	IW
456.1125	.....do	30	IW
456.11875	.....do	33	IW
456.125	.....do		IW
456.13125	.....do	33	IW
456.1375	.....do	30	IW
456.14375	.....do	33	IW
456.150	.....do		IW
456.15625	.....do	33	IW
456.1625	.....do	30	IW
456.16875	.....do	33	IW
456.175	.....do		IP, IW
456.18125	.....do	33, 84.	
456.1875	.....do	30, 84.	
456.19375	.....do	33, 84.	
456.200	.....do		IW
456.20625	.....do	33	IW
456.2125	.....do	30	IW
456.21875	.....do	33	IW
456.225	.....do		IP, IW
456.23125	.....do	33, 84.	
456.2375	.....do	30, 84.	
456.24375	.....do	33, 84.	
456.250	.....do		IW
456.25625	.....do	33	IW
456.2625	.....do	30	IW
456.26875	.....do	33	IW
456.275	.....do		IP, IW
456.28125	.....do	33, 84.	
456.2875	.....do	30, 84.	
456.29375	.....do	33, 84.	

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INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
456.300	.....do.		
456.30625	.....do	33, 84.	
456.3125	.....do	30, 84.	
456.31875	.....do	33, 84.	
456.325	.....do.		
456.33125	.....do	33, 84.	
456.3375	.....do	30, 84.	
456.34375	.....do	33, 84.	
456.350	.....do.		
456.35625	.....do	33, 84.	
456.3625	.....do	30, 84.	
456.36875	.....do	33, 84.	
456.375	.....do		IP, IW
456.38125	.....do	33, 84.	
456.3875	.....do	30, 84.	
456.39375	.....do	33, 84.	
456.400	.....do.		
456.40625	.....do	33, 84.	
456.4125	.....do	30, 84.	
456.41875	.....do	33, 84.	
456.425	.....do		IP, IW
456.43125	.....do	33, 84.	
456.4375	.....do	30, 84.	
456.44375	.....do	33, 84.	
456.450	.....do.		
456.45625	.....do	33, 84.	
456.4625	.....do	30, 84.	
456.46875	.....do	33, 84.	
456.475	.....do		IP, IW
456.48125	.....do	33, 84.	
456.4875	.....do	30, 84.	
456.49375	.....do	33, 84.	
456.500	.....do.		
456.50625	.....do	33, 84.	
456.5125	.....do	30, 84.	
456.51875	.....do	33, 84.	
456.525	.....do		IP, IW
456.53125	.....do	33, 84.	
456.5375	.....do	30, 84.	
456.54375	.....do	33, 84.	
456.550	.....do		IP
456.55625	.....do	33, 84.	
456.5625	.....do	30, 84.	
456.56875	.....do	33, 84.	
456.575	.....do		IP, IW
456.58125	.....do	33, 84.	
456.5875	.....do	30, 84.	
456.59375	.....do	33, 84.	
456.600	.....do		IP
456.60625	.....do	33, 84.	
456.6125	.....do	30, 84.	
456.61875	.....do	33, 84.	
456.625	.....do		IP, IW
456.63125	.....do	33, 84.	
456.6375	.....do	30, 84.	
456.64375	.....do	33, 84.	
456.650	.....do		IP
456.65625	.....do	33, 84.	
456.6625	.....do	30, 84.	
456.66875	.....do	33, 84.	
456.675	.....do		IP, IW
456.68125	.....do	33, 84.	
456.6875	.....do	30, 84.	
456.69375	.....do	33, 84.	
456.700	.....do		IP
456.70625	.....do	33, 84.	
456.7125	.....do	30, 84.	
456.71875	.....do	33, 84.	
456.725	.....do.		
456.73125	.....do	33, 84.	

Frequency or band	Class of station(s)	Limitations	Coordinator
456.7375	.....do	30, 84.	
456.74375	.....do	33, 84.	
456.750	.....do		IP
456.75625	.....do	33, 84.	
456.7625	.....do	30, 84.	
456.76875	.....do	33, 84.	
456.775	.....do.		
456.78125	.....do	33.	
456.7875	.....do	30.	
456.79375	.....do	33.	
456.800	.....do	17, 58.	
	Base, mobile, or operational fixed.		
456.80625	.....do	17, 33, 58.	
456.8125	.....do	17, 30, 58.	
456.81875	.....do	17, 33, 58.	
456.825	.....do		Mobile.
456.83125	.....do	33.	
456.8375	.....do	30.	
456.84375	.....do	33.	
456.850	.....do.		
456.85625	.....do	33.	
456.8625	.....do	30.	
456.86875	.....do	33.	
456.875	.....do.		
456.88125	.....do	33.	
456.8875	.....do	30.	
456.89375	.....do	33.	
456.900	.....do.		
456.90625	.....do	33.	
456.9125	.....do	30.	
456.91875	.....do	33.	
456.925	.....do.		
456.93125	.....do	33.	
456.9375	.....do	30.	
456.94375	.....do	33.	
456.950	.....do.		
456.95625	.....do	33.	
456.9625	.....do	30.	
456.96875	.....do	33.	
456.975	.....do.		
456.98125	.....do	33.	
456.9875	.....do	30.	
456.99375	.....do	33.	
457.000	.....do.		
457.00625	.....do	33.	
457.0125	.....do	30.	
457.01875	.....do	33.	
457.025	.....do.		
457.03125	.....do	33, 84.	
457.0375	.....do	30, 84.	
457.04375	.....do	33, 84.	
457.050	.....do.		
457.05625	.....do	33, 84.	
457.0625	.....do	30, 84.	
457.06875	.....do	33, 84.	
457.075	.....do.		
457.08125	.....do	33, 84.	
457.0875	.....do	30, 84.	
457.09375	.....do	33, 84.	
457.100	.....do.		
457.10625	.....do	33, 84.	
457.1125	.....do	30, 84.	
457.11875	.....do	33, 84.	
457.125	.....do.		
457.13125	.....do	33, 84.	
457.1375	.....do	30, 84.	
457.14375	.....do	33, 84.	
457.150	.....do.		
457.15625	.....do	33, 84.	

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TABLE—Continued

INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
457.1625	.....do	30, 84.	
457.16875	.....do	33, 84.	
457.175	.....do		
457.18125	.....do	33, 84.	
457.1875	.....do	30, 84.	
457.19375	.....do	33, 84.	
457.200	.....do		
457.20625	.....do	33.	
457.2125	.....do	30.	
457.21875	.....do	33.	
457.225	.....do		
457.23125	.....do	33.	
457.2375	.....do	30.	
457.24375	.....do	33.	
457.250	.....do		
457.25625	.....do	33.	
457.2625	.....do	30.	
457.26875	.....do	33.	
457.275	.....do		
457.28125	.....do	33, 84.	
457.2875	.....do	30, 84.	
457.29375	.....do	33, 84.	
457.300	.....do		
457.30625	.....do	33, 84.	
457.3125	.....do	30, 84.	
457.31875	.....do	33, 84.	
457.325	.....do		LR
457.33125	.....do	33.	
457.3375	.....do	30.	
457.34375	.....do	33.	
457.350	.....do		
457.35625	.....do	33.	
457.3625	.....do	30.	
457.36875	.....do	33.	
457.375	.....do		LR
457.38125	.....do	33.	
457.3875	.....do	30.	
457.39375	.....do	33.	
457.400	.....do		
457.40625	.....do	33, 84.	
457.4125	.....do	30, 84.	
457.41875	.....do	33, 84.	
457.425	.....do		LR
457.43125	.....do	33.	
457.4375	.....do	30.	
457.44375	.....do	33.	
457.450	.....do		
457.45625	.....do	33.	
457.4625	.....do	30.	
457.46875	.....do	33.	
457.475	.....do		LR
457.48125	.....do	33, 84.	
457.4875	.....do	30, 84.	
457.49375	.....do	33, 84.	
457.500	.....do		
457.50625	.....do	33, 84.	
457.5125	.....do	30, 84.	
457.51875	.....do	33, 84.	
457.525	.....do	12, 47, 60.	
457.53125	.....do	11, 12, 33, 47, 60.	
457.5375	.....do	11, 12, 30, 47, 60.	
457.54375	.....do	11, 12, 33, 47, 60.	
457.550	.....do	12, 47, 60.	
457.55625	.....do	11, 12, 33, 47, 60.	
457.5625	.....do	12, 30, 47, 60.	

Frequency or band	Class of station(s)	Limitations	Coordinator
457.56875	.....do	11, 12, 33, 47, 60.	
457.575	.....do	12, 47, 60.	
457.58125	.....do	11, 12, 33, 47, 60.	
457.5875	.....do	12, 30, 47, 60.	
457.59375	.....do	11, 12, 33, 47, 60.	
457.600	.....do	12, 47, 60.	
457.60625	.....do	11, 12, 33, 47, 60.	
457.6125	.....do	12, 30, 47, 60.	
457.61875	.....do	11, 12, 33, 47, 60.	
457.625	.....do		
457.63125	.....do	33, 84.	
457.6375	.....do	30, 84.	
457.64375	.....do	33, 84.	
457.650	.....do		
457.65625	.....do	33, 84.	
457.6625	.....do	30, 84.	
457.66875	.....do	33, 84.	
457.675	.....do		
457.68125	.....do	33, 84.	
457.6875	.....do	30, 84.	
457.69375	.....do	33, 84.	
457.700	.....do		
457.70625	.....do	33, 84.	
457.7125	.....do	30, 84.	
457.71875	.....do	33, 84.	
457.725	.....do		
457.73125	.....do	33.	
457.7375	.....do	30.	
457.74375	.....do	33.	
457.750	.....do		
457.75625	.....do	33.	
457.7625	.....do	30.	
457.76875	.....do	33.	
457.775	.....do		LR
457.78125	.....do	33, 84.	
457.7875	.....do	30, 84.	
457.79375	.....do	33, 84.	
457.800	.....do		
457.80625	.....do	33, 84.	
457.8125	.....do	30, 84.	
457.81875	.....do	33, 84.	
457.825	.....do		LR
457.83125	.....do	33, 84.	
457.8375	.....do	30, 84.	
457.84375	.....do	33, 84.	
457.850	.....do		
457.85625	.....do	33, 84.	
457.8625	.....do	30, 84.	
457.86875	.....do	33, 84.	
457.875	.....do		LR
457.88125	.....do	33, 84.	
457.8875	.....do	30, 84.	
457.89375	.....do	33, 84.	
457.900	.....do		LR
457.90625	.....do	33	LR
457.9125	.....do	30	LR
457.91875	.....do	33	LR
457.925	.....do	59	LR
457.93125	.....do	33, 59	LR
457.9375	.....do	30, 59	LR
457.94375	.....do	33, 59	LR
457.950	.....do	59	LR
457.95625	.....do	33, 59	LR

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TABLE—Continued

INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
457.9625	.....do	30, 59	LR
457.96875	.....do	33, 59	LR
457.975	.....do		
457.98125	.....do	33, 84.	
457.9875	.....do	30, 84.	
457.99375	.....do	33, 84.	
458.000	.....do		
458.00625	.....do	33.	
458.0125	.....do	30.	
458.01875	.....do	33.	
459.000	Base or mobile	8	IP
460.650	.....do	61, 62.	
460.65625	.....do	33, 61, 62.	
460.6625	.....do	30, 61, 62, 69.	
460.66875	.....do	33, 61, 62.	
460.675	.....do	61, 62.	
460.68125	.....do	33, 61, 62.	
460.6875	.....do	30, 61, 62, 69.	
460.69375	.....do	33, 61, 62.	
460.700	.....do	61, 62.	
460.70625	.....do	33, 61, 62.	
460.7125	.....do	30, 61, 62, 69.	
460.71875	.....do	33, 61, 62.	
460.725	.....do	61, 62.	
460.73125	.....do	33, 61, 62.	
460.7375	.....do	30, 61, 62, 69.	
460.74375	.....do	33, 61, 62.	
460.750	.....do	61, 62.	
460.75625	.....do	33, 61, 62.	
460.7625	.....do	30, 61, 62, 69.	
460.76875	.....do	33, 61, 62.	
460.775	.....do	61, 62.	
460.78125	.....do	33, 61, 62.	
460.7875	.....do	30, 61, 62, 69.	
460.79375	.....do	33, 61, 62.	
460.800	.....do	61, 62.	
460.80625	.....do	33, 61, 62.	
460.8125	.....do	30, 61, 62, 69.	
460.81875	.....do	33, 61, 62.	
460.825	.....do	61, 62.	
460.83125	.....do	33, 61, 62.	
460.8375	.....do	30, 61, 62, 69.	
460.84375	.....do	33, 61, 62.	
460.850	.....do	61, 62.	
460.85625	.....do	33, 61, 62.	
460.8625	.....do	30, 61, 62, 69.	
460.86875	.....do	33, 61, 62.	
460.875	.....do	61, 62.	
460.88125	.....do	33, 61, 62.	
460.8875	.....do	30, 61, 62, 69.	
460.89375	.....do	33, 61, 62.	
460.900	.....do	63, 64, 65.	
460.90625	.....do	33, 63, 65, 87.	
460.9125	.....do	63, 65, 83, 87.	
460.91875	.....do	33, 63, 65, 87.	
460.925	.....do	63, 64, 65.	
460.93125	.....do	33, 63, 65, 87.	

Frequency or band	Class of station(s)	Limitations	Coordinator
460.9375	.....do	63, 65, 83, 87.	
460.94375	.....do	33, 63, 65, 87.	
460.950	.....do	63, 64, 65.	
460.95625	.....do	33, 63, 65, 87.	
460.9625	.....do	63, 65, 83, 87.	
460.96875	.....do	33, 63, 65, 87.	
460.975	.....do	64, 65, 66	
460.98125	.....do	33, 65, 66, 87.	
460.9875	.....do	65, 66, 83, 87.	
460.99375	.....do	33, 65, 66, 87.	
461.000	.....do	64, 65, 66.	
461.00625	.....do	33, 65, 66, 87.	
461.0125	.....do	65, 66, 83, 87.	
461.01875	.....do	33, 65, 66, 87.	
461.025	.....do	62.	
461.03125	.....do	33, 86.	
461.0375	.....do	83, 86.	
461.04375	.....do	33, 86.	
461.050	.....do	62.	
461.05625	.....do	33, 86.	
461.0625	.....do	83, 86.	
461.06875	.....do	33, 86.	
461.075	.....do	62.	
461.08125	.....do	33, 86.	
461.0875	.....do	83, 86.	
461.09375	.....do	33, 86.	
461.100	.....do	62.	
461.10625	.....do	33, 86.	
461.1125	.....do	83, 86.	
461.11875	.....do	33, 86.	
461.125	.....do	62.	
461.13125	.....do	33, 86.	
461.1375	.....do	83, 86.	
461.14375	.....do	33, 86.	
461.150	.....do	62.	
461.15625	.....do	33, .	
461.1625	.....do	83, 86.	
461.16875	.....do	33, 86.	
461.175	.....do	62.	
461.18125	.....do	33, 86.	
461.1875	.....do	83, 86.	
461.19375	.....do	33, 86.	
461.200	.....do	62.	
461.20625	.....do	33, 86.	
461.2125	.....do	83, 86.	
461.21875	.....do	33, 86.	
461.225	.....do	62.	
461.23125	.....do	33, 86.	
461.2375	.....do	83, 86.	
461.24375	.....do	33, 86.	
461.250	.....do	62.	
461.25625	.....do	33, 86.	
461.2625	.....do	83, 86.	
461.26875	.....do	33, 86.	
461.275	.....do	62.	
461.28125	.....do	33, 86.	
461.2875	.....do	83, 86.	
461.29375	.....do	33, 86.	
461.300	.....do	62.	

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TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
461.30625	.....do	33, 86.	
461.3125	.....do	83, 86.	
461.31875	.....do	33, 86.	
461.325	.....do	62.	
461.33125	.....do	33, 86.	
461.3375	.....do	83, 86.	
461.34375	.....do	33, 86.	
461.350	.....do	62.	
461.35625	.....do	33, 86.	
461.3625	.....do	83, 86.	
461.36875	.....do	33, 86.	
461.375	.....do	62.	
461.38125	.....do	33, 62.	
461.3875	.....do	30, 62.	
461.39375	.....do	33, 62.	
461.400	.....do	62.	
461.40625	.....do	33, 62.	
461.4125	.....do	30, 62.	
461.41875	.....do	33, 62.	
461.425	.....do	62.	
461.43125	.....do	33, 62.	
461.4375	.....do	30, 62.	
461.44375	.....do	33, 62.	
461.450	.....do	62.	
461.45625	.....do	33, 62.	
461.4625	.....do	30, 62.	
461.46875	.....do	33, 62.	
461.475	.....do	62.	
461.48125	.....do	33, 62.	
461.4875	.....do	30, 62.	
461.49375	.....do	33, 62.	
461.500	.....do	62.	
461.50625	.....do	33, 62.	
461.5125	.....do	30, 62.	
461.51875	.....do	33, 62.	
461.525	.....do	62.	
461.53125	.....do	33, 62.	
461.5375	.....do	30, 62.	
461.54375	.....do	33, 62.	
461.550	.....do	62.	
461.55625	.....do	33, 62.	
461.5625	.....do	30, 62.	
461.56875	.....do	33, 62.	
461.575	.....do	62.	
461.58125	.....do	33, 62.	
461.5875	.....do	30, 62.	
461.59375	.....do	33, 62.	
461.600	.....do	62.	
461.60625	.....do	33, 62.	
461.6125	.....do	30, 62.	
461.61875	.....do	33, 62.	
461.625	.....do	62.	
461.63125	.....do	33, 62.	
461.6375	.....do	30, 62.	
461.64375	.....do	33, 62.	
461.650	.....do	62.	
461.65625	.....do	33, 62.	
461.6625	.....do	30, 62.	
461.66875	.....do	33, 62.	
461.675	.....do	62.	
461.68125	.....do	33, 62.	
461.6875	.....do	30, 62.	
461.69375	.....do	33, 62.	
461.700	.....do	62.	
461.70625	.....do	33, 62.	
461.7125	.....do	30, 62.	
461.71875	.....do	33, 62.	
461.725	.....do	62.	
461.73125	.....do	33, 62.	
461.7375	.....do	30, 62.	

INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
461.74375	.....do	33, 62.	
461.750	.....do	62.	
461.75625	.....do	33, 62.	
461.7625	.....do	30, 62.	
461.76875	.....do	33, 62.	
461.775	.....do	62.	
461.78125	.....do	33, 62.	
461.7875	.....do	30, 62.	
461.79375	.....do	33, 62.	
461.800	.....do	62.	
461.80625	.....do	33, 62.	
461.8125	.....do	30, 62.	
461.81875	.....do	33, 62.	
461.825	.....do	62.	
461.83125	.....do	33, 62.	
461.8375	.....do	30, 62.	
461.84375	.....do	33, 62.	
461.850	.....do	62.	
461.85625	.....do	33, 62.	
461.8625	.....do	30, 62.	
461.86875	.....do	33, 62.	
461.875	.....do	62.	
461.88125	.....do	33, 62.	
461.8875	.....do	30, 62.	
461.89375	.....do	33, 62.	
461.900	.....do	62.	
461.90625	.....do	33, 62.	
461.9125	.....do	30, 62.	
461.91875	.....do	33, 62.	
461.925	.....do	62.	
461.93125	.....do	33, 62.	
461.9375	.....do	30, 62.	
461.94375	.....do	33, 62.	
461.950	.....do	62.	
461.95625	.....do	33, 62.	
461.9625	.....do	30, 62.	
461.96875	.....do	33, 62.	
461.975	.....do	62.	
461.98125	.....do	33, 62.	
461.9875	.....do	30, 62.	
461.99375	.....do	33, 62.	
462.000	.....do	62.	
462.00625	.....do	33, 62.	
462.0125	.....do	30, 62.	
462.01875	.....do	33, 62.	
462.025	.....do	62.	
462.03125	.....do	33, 62.	
462.0375	.....do	30, 62.	
462.04375	.....do	33, 62.	
462.050	.....do	62.	
462.05625	.....do	33, 62.	
462.0625	.....do	30, 62.	
462.06875	.....do	33, 62.	
462.075	.....do	62.	
462.08125	.....do	33, 62.	
462.0875	.....do	30, 62.	
462.09375	.....do	33, 62.	
462.100	.....do	62.	
462.10625	.....do	33, 62.	
462.1125	.....do	30, 62.	
462.11875	.....do	33, 62.	
462.125	.....do	62.	
462.13125	.....do	33, 62.	
462.1375	.....do	30, 62.	
462.14375	.....do	33, 62.	
462.150	.....do	62.	
462.15625	.....do	33, 62.	
462.1625	.....do	30, 62.	
462.16875	.....do	33, 62.	
462.175	.....do	62.	



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INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
462.18125	.....do	33, 84.	
462.1875	.....do	83, 84.	
462.19375	.....do	33, 84.	
462.200	.....do		
462.20625	.....do	33, 85.	
462.2125	.....do	83, 85.	
462.21875	.....do	33, 85.	
462.225	.....do		
462.23125	.....do	33, 85.	
462.2375	.....do	83, 85.	
462.24375	.....do	33, 85.	
462.250	.....do		
462.25625	.....do	33, 85.	
462.2625	.....do	83, 85.	
462.26875	.....do	33, 85.	
462.275	.....do		
462.28125	.....do	33, 85.	
462.2875	.....do	83, 85.	
462.29375	.....do	33, 85.	
462.300	.....do		
462.30625	.....do	33, 85.	
462.3125	.....do	83, 85.	
462.31875	.....do	33, 85.	
462.325	.....do		
462.33125	.....do	33, 85.	
462.3375	.....do	83, 85.	
462.34375	.....do	33, 85.	
462.350	.....do		
462.35625	.....do	33, 85.	
462.3625	.....do	83, 85.	
462.36875	.....do	33, 85.	
462.375	.....do		
462.38125	.....do	33, 85.	
462.3875	.....do	83, 85.	
462.39375	.....do	33, 85.	
462.400	.....do		
462.40625	.....do	33, 85.	
462.4125	.....do	83, 85.	
462.41875	.....do	33, 85.	
462.425	.....do		
462.43125	.....do	33, 85.	
462.4375	.....do	83, 85.	
462.44375	.....do	33, 85.	
462.450	.....do		
462.45625	.....do	33, 84.	
462.4625	.....do	83, 84.	
462.46875	.....do	33, 84.	
462.475	.....do	.....	IP, IW
462.48125	.....do	33, 84.	
462.4875	.....do	83, 84.	
462.49375	.....do	84.	
462.500	.....do		
462.50625	.....do	33, 84.	
462.5125	.....do	83, 84.	
462.51875	.....do	33, 84.	
462.525	.....do	.....	IP, IW
462.53125	.....do	33.	
462.750	Base	29, 36.	
462.7625	Mobile	67, 86.	
462.775	Base	29, 36.	
462.7875	Mobile	67, 86.	
462.800	Base	29, 36.	
462.8125	Mobile	67, 86.	
462.825	Base	29, 36.	
462.8375	Mobile	67, 86.	
462.850	Base	29, 36.	
462.8625	Mobile	67, 86.	
462.875	Base	29, 36.	
462.8875	Mobile	67, 86.	
462.900	Base	29, 36.	

Frequency or band	Class of station(s)	Limitations	Coordinator
462.9125	Mobile	67, 86.	
462.925	Base	29, 36.	
462.9375	Mobile	88	
462.94375	Base or mobile	33.	
463.200	.....do	62.	
463.20625	.....do	33, 62.	
463.2125	.....do	30, 62.	
463.21875	.....do	33, 62.	
463.225	.....do	62.	
463.23125	.....do	33, 62.	
463.2375	.....do	30, 62.	
463.24375	.....do	33, 62.	
463.250	.....do	62.	
463.25625	.....do	33, 62.	
463.2625	.....do	30, 62.	
463.26875	.....do	33, 62.	
463.275	.....do	62.	
463.28125	.....do	33, 62.	
463.2875	.....do	30, 62.	
463.29375	.....do	33, 62.	
463.300	.....do	62.	
463.30625	.....do	33, 62.	
463.3125	.....do	30, 62.	
463.31875	.....do	33, 62.	
463.325	.....do	62.	
463.33125	.....do	33, 62.	
463.3375	.....do	30, 62.	
463.34375	.....do	33, 62.	
463.350	.....do	62.	
463.35625	.....do	33, 62.	
463.3625	.....do	30, 62.	
463.36875	.....do	33, 62.	
463.375	.....do	62.	
463.38125	.....do	33, 62.	
463.3875	.....do	30, 62.	
463.39375	.....do	33, 62.	
463.400	.....do	62.	
463.40625	.....do	33, 62.	
463.4125	.....do	30, 62.	
463.41875	.....do	33, 62.	
463.425	.....do	62.	
463.43125	.....do	33, 62.	
463.4375	.....do	30, 62.	
463.44375	.....do	33, 62.	
463.450	.....do	62.	
463.45625	.....do	33, 62.	
463.4625	.....do	30, 62.	
463.46875	.....do	33, 62.	
463.475	.....do	62.	
463.48125	.....do	33, 62.	
463.4875	.....do	30, 62.	
463.49375	.....do	33, 62.	
463.500	.....do	62.	
463.50625	.....do	33, 62.	
463.5125	.....do	30, 62.	
463.51875	.....do	33, 62.	
463.525	.....do	62.	
463.53125	.....do	33, 62.	
463.5375	.....do	30, 62.	
463.54375	.....do	33, 62.	
463.550	.....do	62.	
463.55625	.....do	33, 62.	
463.5625	.....do	30, 62.	
463.56875	.....do	33, 62.	
463.575	.....do	62.	
463.58125	.....do	33, 62.	
463.5875	.....do	30, 62.	
463.59375	.....do	33, 62.	
463.600	.....do	62.	
463.60625	.....do	33, 62.	

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TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
463.6125	.....do	30, 62.	
463.61875	.....do	33, 62.	
463.625	.....do	62.	
463.63125	.....do	33, 62.	
463.6375	.....do	30, 62.	
463.64375	.....do	33, 62.	
463.650	.....do	62.	
463.65625	.....do	33, 62.	
463.6625	.....do	30, 62.	
463.66875	.....do	33, 62.	
463.675	.....do	62.	
463.68125	.....do	33, 62.	
463.6875	.....do	30, 62.	
463.69375	.....do	33, 62.	
463.700	.....do	62.	
463.70625	.....do	33, 62.	
463.7125	.....do	30, 62.	
463.71875	.....do	33, 62.	
463.725	.....do	62.	
463.73125	.....do	33, 62.	
463.7375	.....do	30, 62.	
463.74375	.....do	33, 62.	
463.750	.....do	62.	
463.75625	.....do	33, 62.	
463.7625	.....do	30, 62.	
463.76875	.....do	33, 62.	
463.775	.....do	62.	
463.78125	.....do	33, 62.	
463.7875	.....do	30, 62.	
463.79375	.....do	33, 62.	
463.800	.....do	62.	
463.80625	.....do	33, 62.	
463.8125	.....do	30, 62.	
463.81875	.....do	33, 62.	
463.825	.....do	62.	
463.83125	.....do	33, 62.	
463.8375	.....do	30, 62.	
463.84375	.....do	33, 62.	
463.850	.....do	62.	
463.85625	.....do	33, 62.	
463.8625	.....do	30, 62.	
463.86875	.....do	33, 62.	
463.875	.....do	62.	
463.88125	.....do	33, 62.	
463.8875	.....do	30, 62.	
463.89375	.....do	33, 62.	
463.900	.....do	62.	
463.90625	.....do	33, 62.	
463.9125	.....do	30, 62.	
463.91875	.....do	33, 62.	
463.925	.....do	62.	
463.93125	.....do	33, 62.	
463.9375	.....do	30, 62.	
463.94375	.....do	33, 62.	
463.950	.....do	62.	
463.95625	.....do	33, 62.	
463.9625	.....do	30, 62.	
463.96875	.....do	33, 62.	
463.975	.....do	62.	
463.98125	.....do	33, 62.	
463.9875	.....do	30, 62.	
463.99375	.....do	33, 62.	
464.000	.....do	62.	
464.00625	.....do	33, 62.	
464.0125	.....do	30, 62.	
464.01875	.....do	33, 62.	
464.025	.....do	62.	
464.03125	.....do	33, 62.	
464.0375	.....do	30, 62.	
464.04375	.....do	33, 62.	

INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
464.050	.....do	62.	
464.05625	.....do	33, 62.	
464.0625	.....do	30, 62.	
464.06875	.....do	33, 62.	
464.075	.....do	62.	
464.08125	.....do	33, 62.	
464.0875	.....do	30, 62.	
464.09375	.....do	33, 62.	
464.100	.....do	62.	
464.10625	.....do	33, 62.	
464.1125	.....do	30, 62.	
464.11875	.....do	33, 62.	
464.125	.....do	62.	
464.13125	.....do	33, 62.	
464.1375	.....do	30, 62.	
464.14375	.....do	33, 62.	
464.150	.....do	62.	
464.15625	.....do	33, 62.	
464.1625	.....do	30, 62.	
464.16875	.....do	33, 62.	
464.175	.....do	62.	
464.18125	.....do	33, 62.	
464.1875	.....do	30, 62.	
464.19375	.....do	33, 62.	
464.200	.....do	62.	
464.20625	.....do	33, 62.	
464.2125	.....do	30, 62.	
464.21875	.....do	33, 62.	
464.225	.....do	62.	
464.23125	.....do	33, 62.	
464.2375	.....do	30, 62.	
464.24375	.....do	33, 62.	
464.250	.....do	62.	
464.25625	.....do	33, 62.	
464.2625	.....do	30, 62.	
464.26875	.....do	33, 62.	
464.275	.....do	62.	
464.28125	.....do	33, 62.	
464.2875	.....do	30, 62.	
464.29375	.....do	33, 62.	
464.300	.....do	62.	
464.30625	.....do	33, 62.	
464.3125	.....do	30, 62.	
464.31875	.....do	33, 62.	
464.325	.....do	62.	
464.33125	.....do	33, 62.	
464.3375	.....do	30, 62.	
464.34375	.....do	33, 62.	
464.350	.....do	62.	
464.35625	.....do	33, 62.	
464.3625	.....do	30, 62.	
464.36875	.....do	33, 62.	
464.375	.....do	62.	
464.38125	.....do	33, 62.	
464.3875	.....do	30, 62.	
464.39375	.....do	33, 62.	
464.400	.....do	62.	
464.40625	.....do	33, 62.	
464.4125	.....do	30, 62.	
464.41875	.....do	33, 62.	
464.425	.....do	62.	
464.43125	.....do	33, 62.	
464.4375	.....do	30, 62.	
464.44375	.....do	33, 62.	
464.450	.....do	62.	
464.45625	.....do	33, 62.	
464.4625	.....do	30, 62.	
464.46875	.....do	33, 62.	
464.475	.....do	62.	
464.48125	.....do	33, 86.	

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INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
464.4875	.....do	83, 86.	
464.500	.....do	10, 34.	
464.5125	.....do	83, 86.	
464.51875	.....do	33, 86.	
464.525	.....do	62.	
464.53125	.....do	33, 86.	
464.5375	.....do	83, 86.	
464.550	.....do	10, 34.	
464.5625	.....do	83, 86.	
464.56875	.....do	33, 62.	
464.575	.....do	62.	
464.58125	.....do	33, 62.	
464.5875	.....do	30, 62.	
464.59375	.....do	33, 62.	
464.600	.....do	62.	
464.60625	.....do	33, 62.	
464.6125	.....do	30, 62.	
464.61875	.....do	33, 62.	
464.625	.....do	62.	
464.63125	.....do	33, 62.	
464.6375	.....do	30, 62.	
464.64375	.....do	33, 62.	
464.650	.....do	62.	
464.65625	.....do	33, 62.	
464.6625	.....do	30, 62.	
464.66875	.....do	33, 62.	
464.675	.....do	62.	
464.68125	.....do	33, 62.	
464.6875	.....do	30, 62.	
464.69375	.....do	33, 62.	
464.700	.....do	62.	
464.70625	.....do	33, 62.	
464.7125	.....do	30, 62.	
464.71875	.....do	33, 62.	
464.725	.....do	62.	
464.73125	.....do	33, 62.	
464.7375	.....do	30, 62.	
464.74375	.....do	33, 62.	
464.750	.....do	62.	
464.75625	.....do	33, 62.	
464.7625	.....do	30, 62.	
464.76875	.....do	33, 62.	
464.775	.....do	62.	
464.78125	.....do	33, 62.	
464.7875	.....do	30, 62.	
464.79375	.....do	33, 62.	
464.800	.....do	62.	
464.80625	.....do	33, 62.	
464.8125	.....do	30, 62.	
464.81875	.....do	33, 62.	
464.825	.....do	62.	
464.83125	.....do	33, 62.	
464.8375	.....do	30, 62.	
464.84375	.....do	33, 62.	
464.850	.....do	62.	
464.85625	.....do	33, 62.	
464.8625	.....do	30, 62.	
464.86875	.....do	33, 62.	
464.875	.....do	62.	
464.88125	.....do	33, 62.	
464.8875	.....do	30, 62.	
464.89375	.....do	33, 62.	
464.900	.....do	62.	
464.90625	.....do	33, 62.	
464.9125	.....do	30, 62.	
464.91875	.....do	33, 62.	
464.925	.....do	62.	
464.93125	.....do	33, 62.	
464.9375	.....do	30, 62.	
464.94375	.....do	33, 62.	

INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
464.950	.....do	62.	
464.95625	.....do	33, 62.	
464.9625	.....do	30, 62.	
464.96875	.....do	33, 62.	
464.975	.....do	62.	
464.98125	.....do	33, 62.	
464.9875	Mobile	67.	
465.000	Base	29, 34, 36.	
465.0125	Mobile	88.	
465.01875	.....do	33, 34.	
465.650	.....do	62, 68.	
465.65625	.....do	33, 62, 68.	
465.6625	.....do	30, 62, 68, 69.	
465.66875	.....do	33, 62, 68.	
465.675	.....do	62, 68.	
465.68125	.....do	33, 62, 68.	
465.6875	.....do	30, 62, 68, 69.	
465.69375	.....do	33, 62, 68.	
465.700	.....do	62, 68.	
465.70625	.....do	33, 62, 68.	
465.7125	.....do	30, 62, 68, 69.	
465.71875	.....do	33, 62, 68.	
465.725	.....do	62, 68.	
465.73125	.....do	33, 62, 68.	
465.7375	.....do	30, 62, 68, 69.	
465.74375	.....do	33, 62, 68.	
465.750	.....do	62, 68.	
465.75625	.....do	33, 62, 68.	
465.7625	.....do	30, 62, 68, 69.	
465.76875	.....do	33, 62, 68.	
465.775	.....do	62, 68.	
465.78125	.....do	33, 62, 68.	
465.7875	.....do	30, 62, 68, 69.	
465.79375	.....do	33, 62, 68.	
465.800	.....do	62, 68.	
465.80625	.....do	33, 62, 68.	
465.8125	.....do	30, 62, 68, 69.	
465.81875	.....do	33, 62, 68.	
465.825	.....do	62, 68.	
465.83125	.....do	33, 62, 68.	
465.8375	.....do	30, 62, 68, 69.	
465.84375	.....do	33, 62, 68.	
465.850	.....do	62, 68.	
465.85625	.....do	33, 62, 68.	
465.8625	.....do	30, 62, 68, 69.	
465.86875	.....do	33, 62, 68.	
465.875	.....do	62, 68.	
465.88125	.....do	33, 62, 68.	
465.8875	.....do	30, 62, 68, 69.	
465.89375	.....do	33, 62, 68.	
465.900	.....do	63, 64.	
465.90625	.....do	33, 63, 87.	
465.9125	.....do	63, 83, 87.	
465.91875	.....do	33, 63, 87.	
465.925	.....do	63, 64.	
465.93125	.....do	33, 63, 87.	
465.9375	.....do	63, 83, 87.	
465.94375	.....do	33, 63, 87.	
465.950	.....do	63, 64.	
465.95625	.....do	33, 63, 87.	

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INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
465.9625	.....do	63, 83, 87.	
465.96875	.....do	33, 63, 64.	
465.975	.....do	64, 66.	
465.98125	.....do	33, 66, 87.	
465.9875	.....do	66, 83, 87.	
465.99375	.....do	33, 66, 87.	
466.000	.....do	64, 66.	
466.00625	.....do	33, 66, 87.	
466.0125	.....do	66, 69, 83, 87.	
466.01875	.....do	33, 66, 87.	
466.025	.....do	62.	
466.03125	.....do	33, 86.	
466.0375	.....do	83, 86.	
466.04375	.....do	33, 86.	
466.050	.....do	62.	
466.05625	.....do	33, 86.	
466.0625	.....do	83, 86.	
466.06875	.....do	33, 86.	
466.075	.....do	62.	
466.08125	.....do	33, 86.	
466.0875	.....do	83, 86.	
466.09375	.....do	33, 86.	
466.100	.....do	62.	
466.10625	.....do	33, 86.	
466.1125	.....do	83, 86.	
466.11875	.....do	33, 86.	
466.125	.....do	62.	
466.13125	.....do	33, 86.	
466.1375	.....do	83, 86.	
466.14375	.....do	33, 86.	
466.150	.....do	62.	
466.15625	.....do	33, 86.	
466.1625	.....do	83, 86.	
466.16875	.....do	33, 86.	
466.175	.....do	62.	
466.18125	.....do	33, 84.	
466.1875	.....do	83, 84.	
466.19375	.....do	33, 84.	
466.200	.....do	62.	
466.20625	.....do	33, 85.	
466.2125	.....do	83, 85.	
466.21875	.....do	33, 85.	
466.225	.....do	62.	
466.23125	.....do	33, 85.	
466.2375	.....do	83, 85.	
466.24375	.....do	33, 85.	
466.250	.....do	62.	
466.25625	.....do	33, 85.	
466.2625	.....do	83, 85.	
466.26875	.....do	33, 85.	
466.275	.....do	62.	
466.28125	.....do	33, 85.	
466.2875	.....do	83, 85.	
466.29375	.....do	33, 85.	
466.300	.....do	62.	
466.30625	.....do	33, 85.	
466.3125	.....do	83, 85.	
466.31875	.....do	33, 85.	
466.325	.....do	62.	
466.33125	.....do	33, 85.	
466.3375	.....do	83, 85.	
466.34375	.....do	33, 85.	
466.350	.....do	62.	
466.35625	.....do	33, 85.	
466.3625	.....do	83, 85.	
466.36875	.....do	33, 85.	
466.375	.....do	62.	
466.38125	.....do	33, 85.	
466.3875	.....do	83, 85.	

INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
466.39375	.....do	33, 85.	
466.400	.....do	62.	
466.40625	.....do	33, 85.	
466.4125	.....do	83, 85.	
466.41875	.....do	33, 85.	
466.425	.....do	62.	
466.43125	.....do	33, 85.	
466.4375	.....do	83, 85.	
466.44375	.....do	33, 85.	
466.450	.....do	62.	
466.45625	.....do	33, 84.	
466.4625	.....do	83, 84.	
466.46875	.....do	33, 84.	
466.475	.....do	62.	
466.48125	.....do	33, 84.	
466.4875	.....do	83, 84.	
466.49375	.....do	33, 84.	
466.500	.....do	62.	
466.50625	.....do	33, 84.	
466.5125	.....do	83, 84.	
466.51875	.....do	33, 84.	
466.525	.....do	62.	
466.53125	.....do	33, 62.	
466.5375	.....do	30, 62.	
466.54375	.....do	33, 62.	
466.550	.....do	62.	
466.55625	.....do	33, 62.	
466.5625	.....do	30, 62.	
466.56875	.....do	33, 62.	
466.575	.....do	62.	
466.58125	.....do	33, 62.	
466.5875	.....do	30, 62.	
466.59375	.....do	33, 62.	
466.600	.....do	62.	
466.60625	.....do	33, 62.	
466.6125	.....do	30, 62.	
466.61875	.....do	33, 62.	
466.625	.....do	62.	
466.63125	.....do	33, 62.	
466.6375	.....do	30, 62.	
466.64375	.....do	33, 62.	
466.650	.....do	62.	
466.65625	.....do	33, 62.	
466.6625	.....do	30, 62.	
466.66875	.....do	33, 62.	
466.675	.....do	62.	
466.68125	.....do	33, 62.	
466.6875	.....do	30, 62.	
466.69375	.....do	33, 62.	
466.700	.....do	62.	
466.70625	.....do	33, 62.	
466.7125	.....do	30, 62.	
466.71875	.....do	33, 62.	
466.725	.....do	62.	
466.73125	.....do	33, 62.	
466.7375	.....do	30, 62.	
466.74375	.....do	33, 62.	
466.750	.....do	62.	
466.75625	.....do	33, 62.	
466.7625	.....do	30, 62.	
466.76875	.....do	33, 62.	
466.775	.....do	62.	
466.78125	.....do	33, 62.	
466.7875	.....do	30, 62.	
466.79375	.....do	33, 62.	
466.800	.....do	62.	
466.80625	.....do	33, 62.	
466.8125	.....do	30, 62.	
466.81875	.....do	33, 62.	
466.825	.....do	62.	

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TABLE—Continued

INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
466.83125	.....do	33, 62.	
466.8375	.....do	30, 62.	
466.84375	.....do	33, 62.	
466.850	.....do	62.	
466.85625	.....do	33, 62.	
466.8625	.....do	67, 86.	
466.86875	.....do	33, 62.	
466.875	.....do	62.	
466.88125	.....do	33, 62.	
466.8875	.....do	67, 86.	
466.89375	.....do	33, 62.	
466.900	.....do	62.	
466.90625	.....do	33, 62.	
466.9125	.....do	67, 86.	
466.91875	.....do	33, 62.	
466.925	.....do	62.	
466.93125	.....do	33, 62.	
466.9375	.....do	88.	
466.94375	.....do	33, 62.	
466.950	.....do	62.	
466.95625	.....do	33, 62.	
466.9625	.....do	30, 62.	
466.96875	.....do	33, 62.	
466.975	.....do	62.	
466.98125	.....do	33, 62.	
466.9875	.....do	30, 62.	
466.99375	.....do	33, 62.	
467.000	.....do	62.	
467.00625	.....do	33, 62.	
467.0125	.....do	30, 62.	
467.01875	.....do	33, 62.	
467.025	.....do	62.	
467.03125	.....do	33, 62.	
467.0375	.....do	30, 62.	
467.04375	.....do	33, 62.	
467.050	.....do	62.	
467.05625	.....do	33, 62.	
467.0625	.....do	30, 62.	
467.06875	.....do	33, 62.	
467.075	.....do	62.	
467.08125	.....do	33, 62.	
467.0875	.....do	30, 62.	
467.09375	.....do	33, 62.	
467.100	.....do	62.	
467.10625	.....do	33, 62.	
467.1125	.....do	30, 62.	
467.11875	.....do	33, 62.	
467.125	.....do	62.	
467.13125	.....do	33, 62.	
467.1375	.....do	30, 62.	
467.14375	.....do	33, 62.	
467.150	.....do	62.	
467.15625	.....do	33, 62.	
467.1625	.....do	30, 62.	
467.16875	.....do	33, 62.	
467.175	.....do	62.	
467.18125	.....do	33, 62.	
467.1875	.....do	30, 62.	
467.19375	.....do	33, 62.	
467.200	.....do		
467.20625	.....do	33.	
467.2125	.....do	30.	
467.21875	.....do	33.	
467.225	.....do		
467.23125	.....do	33.	
467.2375	.....do	30.	
467.24375	.....do	33.	
467.250	.....do		
467.25625	.....do	33.	
467.2625	.....do	30.	

Frequency or band	Class of station(s)	Limitations	Coordinator
467.26875	.....do	33.	
467.275	.....do		
467.28125	.....do	33.	
467.2875	.....do	30.	
467.29375	.....do	33.	
467.300	.....do		
467.30625	.....do	33.	
467.3125	.....do	30.	
467.31875	.....do	33.	
467.325	.....do		
467.33125	.....do	33.	
467.3375	.....do	30.	
467.34375	.....do	33.	
467.350	.....do		
467.35625	.....do	33.	
467.3625	.....do	30.	
467.36875	.....do	33.	
467.375	.....do		
467.38125	.....do	33.	
467.3875	.....do	30.	
467.39375	.....do	33.	
467.400	.....do		
467.40625	.....do	33.	
467.4125	.....do	30.	
467.41875	.....do	33.	
467.425	.....do		
467.43125	.....do	33.	
467.4375	.....do	30.	
467.44375	.....do	33.	
467.450	.....do		
467.45625	.....do	33.	
467.4625	.....do	30.	
467.46875	.....do	33.	
467.475	.....do		IP, IW
467.48125	.....do	33.	
467.4875	.....do	30.	
467.49375	.....do	33.	
467.500	.....do		
467.50625	.....do	33.	
467.5125	.....do	30.	
467.51875	.....do	33.	
467.525	.....do		IP, IW
467.53125	.....do	33.	
467.74375	.....do	33, 62.	
467.750	.....do	11, 12, 35, 60.	
467.75625	.....do	11, 12, 33, 35, 60.	
467.7625	.....do	11, 12, 30, 35, 60.	
467.76875	.....do	11, 12, 33, 35, 60.	
467.775	.....do	11, 12, 35, 60.	
467.78125	.....do	11, 12, 33, 35, 60.	
467.7875	.....do	11, 12, 30, 35, 60.	
467.79375	.....do	11, 12, 33, 35, 60.	
467.800	.....do	11, 12, 35, 60.	
467.80625	.....do	11, 12, 33, 35, 60.	
467.8125	.....do	11, 12, 30, 35, 60.	
467.81875	.....do	11, 12, 33, 35, 60.	
467.825	.....do	11, 12, 35, 60.	

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TABLE—Continued

INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
467.83125	.....do	11, 12, 33, 35, 60.	
467.8375	.....do	11, 12, 30, 35, 60.	
467.850	.....do	11, 12, 35.	
467.8625	.....do	67.	
467.875	.....do	11, 12, 35.	
467.8875	.....do	67.	
467.900	.....do	11, 12, 35.	
467.9125	.....do	67.	
467.925	.....do	11, 12, 35.	
467.93125	.....do	33.	
467.9375	.....do	30, 67.	
467.94375	.....do	33.	
468.200	.....do	62.	
468.20625	.....do	33, 62.	
468.2125	.....do	30, 62.	
468.21875	.....do	33, 62.	
468.225	.....do	62.	
468.23125	.....do	33, 62.	
468.2375	.....do	30, 62.	
468.24375	.....do	33, 62.	
468.250	.....do	62.	
468.25625	.....do	33, 62.	
468.2625	.....do	30, 62.	
468.26875	.....do	33, 62.	
468.275	.....do	62.	
468.28125	.....do	33, 62.	
468.2875	.....do	30, 62.	
468.29375	.....do	33, 62.	
468.300	.....do	62.	
468.30625	.....do	33, 62.	
468.3125	.....do	30, 62.	
468.31875	.....do	33, 62.	
468.325	.....do	62.	
468.33125	.....do	33, 62.	
468.3375	.....do	30, 62.	
468.34375	.....do	33, 62.	
468.350	.....do	62.	
468.35625	.....do	33, 62.	
468.3625	.....do	30, 62.	
468.36875	.....do	33, 62.	
468.375	.....do	62.	
468.38125	.....do	33, 62.	
468.3875	.....do	30, 62.	
468.39375	.....do	33, 62.	
468.400	.....do	62.	
468.40625	.....do	33, 62.	
468.4125	.....do	30, 62.	
468.41875	.....do	33, 62.	
468.425	.....do	62.	
468.43125	.....do	33, 62.	
468.4375	.....do	30, 62.	
468.44375	.....do	33, 62.	
468.450	.....do	62.	
468.45625	.....do	33, 62.	
468.4625	.....do	30, 62.	
468.46875	.....do	33, 62.	
468.475	.....do	62.	
468.48125	.....do	33, 62.	
468.4875	.....do	30, 62.	
468.49375	.....do	33, 62.	
468.500	.....do	62.	
468.50625	.....do	33, 62.	
468.5125	.....do	30, 62.	
468.51875	.....do	33, 62.	
468.525	.....do	62.	
468.53125	.....do	33, 62.	
468.5375	.....do	30, 62.	
468.54375	.....do	33, 62.	

Frequency or band	Class of station(s)	Limitations	Coordinator
468.550	.....do	62.	
468.55625	.....do	33, 62.	
468.5625	.....do	30, 62.	
468.56875	.....do	33, 62.	
468.575	.....do	62.	
468.58125	.....do	33, 62.	
468.5875	.....do	30, 62.	
468.59375	.....do	33, 62.	
468.600	.....do	62.	
468.60625	.....do	33, 62.	
468.6125	.....do	30, 62.	
468.61875	.....do	33, 62.	
468.625	.....do	62.	
468.63125	.....do	33, 62.	
468.6375	.....do	30, 62.	
468.64375	.....do	33, 62.	
468.650	.....do	62.	
468.65625	.....do	33, 62.	
468.6625	.....do	30, 62.	
468.66875	.....do	33, 62.	
468.675	.....do	62.	
468.68125	.....do	33, 62.	
468.6875	.....do	30, 62.	
468.69375	.....do	33, 62.	
468.700	.....do	62.	
468.70625	.....do	33, 62.	
468.7125	.....do	30, 62.	
468.71875	.....do	33, 62.	
468.725	.....do	62.	
468.73125	.....do	33, 62.	
468.7375	.....do	30, 62.	
468.74375	.....do	33, 62.	
468.750	.....do	62.	
468.75625	.....do	33, 62.	
468.7625	.....do	30, 62.	
468.76875	.....do	33, 62.	
468.775	.....do	62.	
468.78125	.....do	33, 62.	
468.7875	.....do	30, 62.	
468.79375	.....do	33, 62.	
468.800	.....do	62.	
468.80625	.....do	33, 62.	
468.8125	.....do	30, 62.	
468.81875	.....do	33, 62.	
468.825	.....do	62.	
468.83125	.....do	33, 62.	
468.8375	.....do	30, 62.	
468.84375	.....do	33, 62.	
468.850	.....do	62.	
468.85625	.....do	33, 62.	
468.8625	.....do	30, 62.	
468.86875	.....do	33, 62.	
468.875	.....do	62.	
468.88125	.....do	33, 62.	
468.8875	.....do	30, 62.	
468.89375	.....do	33, 62.	
468.900	.....do	62.	
468.90625	.....do	33, 62.	
468.9125	.....do	30, 62.	
468.91875	.....do	33, 62.	
468.925	.....do	62.	
468.93125	.....do	33, 62.	
468.9375	.....do	30, 62.	
468.94375	.....do	33, 62.	
468.950	.....do	62.	
468.95625	.....do	33, 62.	
468.9625	.....do	30, 62.	
468.96875	.....do	33, 62.	
468.975	.....do	62.	
468.98125	.....do	33, 62.	

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INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
468.9875	.....do	30, 62.	
468.99375	.....do	33, 62.	
469.000	.....do	62.	
469.00625	.....do	33, 62.	
469.0125	.....do	30, 62.	
469.01875	.....do	33, 62.	
469.025	.....do	62.	
469.03125	.....do	33, 62.	
469.0375	.....do	30, 62.	
469.04375	.....do	33, 62.	
469.050	.....do	62.	
469.05625	.....do	33, 62.	
469.0625	.....do	30, 62.	
469.06875	.....do	33, 62.	
469.075	.....do	62.	
469.08125	.....do	33, 62.	
469.0875	.....do	30, 62.	
469.09375	.....do	33, 62.	
469.100	.....do	62.	
469.10625	.....do	33, 62.	
469.1125	.....do	30, 62.	
469.11875	.....do	33, 62.	
469.125	.....do	62.	
469.13125	.....do	33, 62.	
469.1375	.....do	30, 62.	
469.14375	.....do	33, 62.	
469.150	.....do	62.	
469.15625	.....do	33, 62.	
469.1625	.....do	30, 62.	
469.16875	.....do	33, 62.	
469.175	.....do	62.	
469.18125	.....do	33, 62.	
469.1875	.....do	30, 62.	
469.19375	.....do	33, 62.	
469.200	.....do	62.	
469.20625	.....do	33, 62.	
469.2125	.....do	30, 62.	
469.21875	.....do	33, 62.	
469.225	.....do	62.	
469.23125	.....do	33, 62.	
469.2375	.....do	30, 62.	
469.24375	.....do	33, 62.	
469.250	.....do	62.	
469.25625	.....do	33, 62.	
469.2625	.....do	30, 62.	
469.26875	.....do	33, 62.	
469.275	.....do	62.	
469.28125	.....do	33, 62.	
469.2875	.....do	30, 62.	
469.29375	.....do	33, 62.	
469.300	.....do	62.	
469.30625	.....do	33, 62.	
469.3125	.....do	30, 62.	
469.31875	.....do	33, 62.	
469.325	.....do	62.	
469.33125	.....do	33, 62.	
469.3375	.....do	30, 62.	
469.34375	.....do	33, 62.	
469.350	.....do	62.	
469.35625	.....do	33, 62.	
469.3625	.....do	30, 62.	
469.36875	.....do	33, 62.	
469.375	.....do	62.	
469.38125	.....do	33, 62.	
469.3875	.....do	30, 62.	
469.39375	.....do	33, 62.	
469.400	.....do	62.	
469.40625	.....do	33, 62.	
469.4125	.....do	30, 62.	
469.41875	.....do	33, 62.	

Frequency or band	Class of station(s)	Limitations	Coordinator
469.425	.....do	62.	
469.43125	.....do	33, 62.	
469.4375	.....do	30, 62.	
469.44375	.....do	33, 62.	
469.450	.....do	62.	
469.45625	.....do	33, 62.	
469.4625	.....do	30, 62.	
469.46875	.....do	33, 62.	
469.475	.....do	62.	
469.48125	.....do	33, 86.	
469.4875	.....do	83, 86.	
469.500	.....do	10, 34.	
469.5125	.....do	83, 86.	
469.51875	.....do	33, 86.	
469.525	.....do	62.	
469.53125	.....do	33, 86.	
469.5375	.....do	83, 86.	
469.550	.....do	10, 34.	
469.5625	.....do	83, 86.	
469.56875	.....do	33, 86.	
469.575	.....do	62.	
469.58125	.....do	33, 62.	
469.5875	.....do	30, 62.	
469.59375	.....do	33, 62.	
469.600	.....do	62.	
469.60625	.....do	33, 62.	
469.6125	.....do	30, 62.	
469.61875	.....do	33, 62.	
469.625	.....do	62.	
469.63125	.....do	33, 62.	
469.6375	.....do	30, 62.	
469.64375	.....do	33, 62.	
469.650	.....do	62.	
469.65625	.....do	33, 62.	
469.6625	.....do	30, 62.	
469.66875	.....do	33, 62.	
469.675	.....do	62.	
469.68125	.....do	33, 62.	
469.6875	.....do	30, 62.	
469.69375	.....do	33, 62.	
469.700	.....do	62.	
469.70625	.....do	33, 62.	
469.7125	.....do	30, 62.	
469.71875	.....do	33, 62.	
469.725	.....do	62.	
469.73125	.....do	33, 62.	
469.7375	.....do	30, 62.	
469.74375	.....do	33, 62.	
469.750	.....do	62.	
469.75625	.....do	33, 62.	
469.7625	.....do	30, 62.	
469.76875	.....do	33, 62.	
469.775	.....do	62.	
469.78125	.....do	33, 62.	
469.7875	.....do	30, 62.	
469.79375	.....do	33, 62.	
469.800	.....do	62.	
469.80625	.....do	33, 62.	
469.8125	.....do	30, 62.	
469.81875	.....do	33, 62.	
469.825	.....do	62.	
469.83125	.....do	33, 62.	
469.8375	.....do	30, 62.	
469.84375	.....do	33, 62.	
469.850	.....do	62.	
469.85625	.....do	33, 62.	
469.8625	.....do	30, 62.	
469.86875	.....do	33, 62.	
469.875	.....do	62.	
469.88125	.....do	33, 62.	

INDUSTRIAL/BUSINESS POOL FREQUENCY  
TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
469.8875 .....	.....do .....	30, 62.	
469.89375 .....	.....do .....	33, 62.	
469.900 .....	.....do .....	62.	
469.90625 .....	.....do .....	33, 62.	
469.9125 .....	.....do .....	30, 62.	
469.91875 .....	.....do .....	33, 62.	
469.925 .....	.....do .....	62.	
469.93125 .....	.....do .....	33, 62.	
469.9375 .....	.....do .....	30, 62.	
469.94375 .....	.....do .....	33, 62.	
469.950 .....	.....do .....	62.	
469.95625 .....	.....do .....	33, 62.	
469.9625 .....	.....do .....	30, 62.	
469.96875 .....	.....do .....	33, 62.	
469.975 .....	.....do .....	62.	
469.98125 .....	.....do .....	33, 62.	
470 to 512 .....	Base or mobile	70.	
809 to 824 .....	Mobile	71 .....	
854 to 869 .....	Base or mobile	71 .....	
896 to 901 .....	Mobile	71.	
928 and above	Operational fixed.	72.	
929 to 930 .....	Base only	73.	
935 to 940 .....	Base or mobile	71.	
1427 to 1432 .....	Base, mobile or operational fixed..	55	
2,450 to 2,500	Base or mobile	74.	
5850-5925 .....	.....do .....	90, 91 .....	Not applicable.
10,550 to 10,680.	.....do .....	76.	

(c) Explanation of assignment limitations appearing in the frequency table of paragraph (b)(3) of this section:

(1) Use of this frequency is permitted as follows:

(i) Only entities engaged in the following activities are eligible to use this spectrum, and then only in accordance with §90.266:

(A) Prospecting for petroleum, natural gas or petroleum products;

(B) Distribution of electric power or the distribution by pipeline of fuels or water;

(C) Exploration, its support services, and the repair of pipelines; or

(D) The repair of telecommunications circuits.

(ii) Except as provided in this part, licensees may not use these frequencies in the place of other operational circuits permitted by the Commission's rules. Circuits operating on these frequencies may be used only for the following purposes:

(A) Providing standby backup communications for circuits which have been disrupted and which directly affect the safety of life, property, or the

national interest or are used for coordinating inter-utility, intra-utility, and power pool distribution of electric power;

(B) Providing operational circuits during exploration;

(C) Coordinating the repair of inter-utility, intra-utility, and power pool electric power distribution networks, or the repair of pipelines;

(D) Exploratory efforts in mining for solid fuels, minerals, and metals important to the national interest;

(E) Repair of pipelines used for the transmission of fuel or water;

(F) Services supporting the exploration for energy or mineral resources important to the national interest, without which such exploration cannot be conducted; or

(G) Coordinating the repair of wireline or point-to-point microwave circuits.

(2) [Reserved]

(3) This frequency is available for assignment only to stations utilized for geophysical purposes.

(4) Geophysical operations may use tone or impulse signaling for purposes other than indicating failure of equipment or abnormal conditions on this frequency. All such tone or impulse signaling shall be on a secondary basis and subject to the following limitations:

(i) Maximum duration of a single non-voice transmission may not exceed 3 minutes;

(ii) The bandwidth utilized for secondary tone or impulse signaling shall not exceed that authorized to the licensee for voice emission on the frequency concerned;

(iii) Frequency loading resulting from the use of secondary tone or impulse signaling will not be considered in whole or in part, as a justification for authorizing additional frequencies in the licensee's mobile service system; and

(iv) The maximum transmitter output power for tone or impulse transmissions shall not exceed 50 watts.

(5) Frequencies below 25 MHz will be assigned to base or mobile stations only upon a satisfactory showing that, from a safety of life standpoint, frequencies above 25 MHz will not meet



the operational requirements of the applicant.

(6) Frequencies may be assigned in pairs with the separation between base and mobile transmit frequencies being 5.26 MHz. A mobile station may be assigned the frequency which would normally be assigned to a base station for single frequency operation. However, this single-frequency operation may be subject to interference that would not occur to a two-frequency system. Base or mobile stations operating wholly within Standard Metropolitan Areas having 50,000 or more population (1950 Census) must be operated in the half-duplex mode.

(7) This frequency is available for assignment to geophysical stations on a secondary basis to other licensees. Geophysical stations must cease operations on this frequency immediately upon receiving notice that interference is being caused to mobile service stations.

(8) This frequency is primarily available for oil spill containment and cleanup operations and for training and drills essential in the preparations for the containment and cleanup of oil spills. It is secondarily available for general base-mobile operations on a noninterference basis. Secondary users of this frequency are required to forego its use should oil spill containment and cleanup activities be present in their area of operation or upon notice by the Commission or a primary user that harmful interference is being caused to oil spill containment or cleanup activities in other areas.

(9) Operation on this frequency is secondary to stations in the maritime mobile service operating in accordance with the International table of frequency allocations.

(10) This frequency will be assigned only to stations used in itinerant operations, except within 56 km (35 miles) of Detroit, Mich., where it may be assigned for either itinerant or permanent area operations (*i.e.*, general use).

(11) Operation on this frequency is limited to a maximum output power of 2 watts; and each station authorized will be classified and licensed as a mobile station. Any units of such a station, however, may provide the operational functions of a base or fixed sta-

tion on a secondary basis to mobile service operations. Provided, that the separation between the control point and the center of the radiating portion of the antenna of any units so used does not exceed 8 m (25 ft.).

(12) This frequency may not be used aboard aircraft in flight.

(13) This frequency is shared with the Public Safety Pool.

(14) Operation on this frequency is limited to a maximum output power of 1 watt and each station authorized will be classified and licensed as a mobile station. Any units of such a station, however, may provide the operational functions of a base or fixed station on a secondary basis to mobile service operations, provided that the separation between the control point and the center of the radiating portion of the antenna of any units so used does not exceed 8m (25 ft.).

(15) This Government frequency is available for shared Government/non-Government use by stations engaged in oil spill containment and cleanup operations and for training and drills essential in the preparation for containment and cleanup of oil spills. Such use will be confined to inland and coastal waterways.

(16) This frequency may be assigned only to stations operating in an interconnected or coordinated utility system in accordance with an operational communications plan which sets forth all points of communications. Authorizations at variance with an established operational communications plan will be made only on a secondary basis.

(17) This frequency will be assigned only to stations used in itinerant operations.

(18) This frequency is also used on a secondary basis for cordless telephones under part 15 of this chapter.

(19) In addition to single frequency operation, this frequency is available to base and mobile stations for the paired frequency mode of operation. For two frequency systems, the separation between base and mobile transmit frequencies is 500 kHz with the base stations transmitting on the higher of the two frequencies.

(20) In the State of Alaska only, the frequency 44.10 MHz is available for assignment on a primary basis to stations in the Common Carrier Rural Radio Service utilizing meteor burst communications. The frequency may be used by private radio stations for meteor burst communications on a secondary, non-interference basis. Usage shall be in accordance with parts 22 and 90 of this chapter. Stations utilizing meteor burst communications shall not cause harmful interference to stations of other radio services operating in accordance with the allocation table.

(21) In the State of Alaska only, the frequency 44.20 MHz is available for assignment on a primary basis to private land mobile radio stations utilizing meteor burst communications. The frequency may be used by common carrier stations for meteor burst communications on a secondary, non-interference basis. Usage shall be in accordance with parts 22 and 90 of this chapter. Stations utilizing meteor burst communications shall not cause harmful interference to stations of other radio services operating in accordance with the allocation table.

(22) 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. Seismic telemetry transmitters certificated with 1 watt or less power and a frequency tolerance not exceeding  $\pm 0.005\%$  may be used as temporary operational fixed stations.

(23) This frequency is shared with fixed stations in other services and is subject to no protection from interference.

(24) All operations on this frequency are subject to the provisions of § 90.257(b).

(25) This frequency is shared with the Radio Control (R/C) Service, of the part 95 Personal Radio Services, where it is used solely for the radio control of models.

(26) Pulsed modulations will not be authorized on this frequency.

(27) Assignment of frequencies in this band are subject to the provisions of § 90.173. In the 150-170 MHz band, licens-

ees as of August 18, 1995 who operate systems that are 2.5 kHz removed from regularly assignable frequencies may continue to operate on a secondary, non-interference basis after August 1, 2003.

(28) In Puerto Rico and the Virgin Islands this frequency is subject to the following:

(i) This frequency is assigned only for one-way paging communications to mobile receivers. Only A1D, A2D, A3E, F1D, F2D, F3E, or G3E emissions may be authorized. Licensees may provide one-way paging communications on this frequency to individuals, persons eligible for licensing under subparts B or C of this part, to representatives of Federal Government agencies, and foreign governments and their representatives; and

(ii) This frequency will not be assigned to stations for use at temporary locations.

(29) This frequency will be authorized a channel bandwidth of 25 kHz. Except when limited elsewhere, one-way paging transmitters on this frequency may operate with an output power of 350 watts.

(30) This frequency will be assigned with an authorized bandwidth not to exceed 11.25 kHz. In the 450-470 MHz band, secondary telemetry operations pursuant to § 90.238(e) will be authorized on this frequency.

(31) Use of this frequency is limited to stations located in Puerto Rico and the Virgin Islands.

(32) This frequency is not available to stations located in Puerto Rico and the Virgin Islands.

(33) This frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(34) Operation on this frequency is limited to a maximum output power of 35 watts.

(35) This frequency may be used for mobile operation for radio remote control and telemetering functions. A1D, A2D, F1D, or F2D emission may be authorized and mobile stations used to control remote objects or devices may be operated on the continuous carrier transmit mode.

(36) This frequency is assigned only for one-way paging communications to mobile receivers. Only A1D, A2D, A3E,

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F1D, F2D, F3E, or G3E emissions may be authorized. Licensees may provide one-way paging communications on this frequency to individuals, persons eligible for licensing under subparts B or C of this part, to representatives of Federal Government agencies, and foreign governments and their representatives.

(37) This frequency is available on a secondary basis to one-way paging communications.

(38) This frequency will not be assigned to stations for use at temporary locations.

(39) For FM transmitters the sum of the highest modulating frequency and the amount of frequency deviation may not exceed 2.8 kHz and the maximum frequency deviation may not exceed 2.5 kHz. For AM transmitters the highest modulating frequency may not exceed 2.0 kHz. The carrier frequency must be maintained within 0.0005 percent, and the authorized bandwidth may not exceed 6 kHz.

(40) This frequency is shared with the Public Safety Pool for remote control and telemetry operations.

(41) 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 receiving locations separated by 160 deg. of azimuth.

(42) 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 the ground. All such operation is on a secondary basis to adjacent channel land mobile operations.

(43) This frequency is available for the following:

(i) Assignment to multiple address fixed stations employing omnidirectional antennas used for power utility peak load shaving and shedding and to mobile stations used for the remote control of objects and devices. The maximum power that may be authorized to fixed stations is 300 watts output, and the maximum power that may be authorized for mobile stations is 1 watt output. This frequency may also be assigned to operational fixed

stations employing directional antenna systems (front-to-back ratio of 20 dB) when such stations are located at least 120 km. (75 mi.) from the boundaries of any urbanized area of 200,000 or more population. (U.S. Census of Population, 1960). The maximum power output of the transmitter for such fixed stations may not exceed 50 watts. A1A, A1D, A2B, A2D, F1B, F1D, F2B, F2D, G1B, G1D, G2B, or G2D emission may be authorized; or

(ii) On a secondary basis for remote control and telemetry operations, subject to paragraphs (c)(41), (42), (43), (46), and (47) of this section.

(44) The maximum output power of the transmitter may not exceed 50 watts for fixed stations and 1 watt for mobile stations. A1A, A1D, A2B, A2D, F1B, F1D, F2B, F2D, G1B, G1D, G2B, or G2D emission may be authorized, and mobile stations used to control remote objects and devices may be operated in the continuous transmit mode.

(45) [Reserved]

(46) This frequency is limited to a maximum power of 20 watts.

(47) This frequency may be used for mobile operation for remote control and telemetering functions. A1D, A2D, F1D, or F2D emission may be authorized. The use of the continuous carrier transmit mode for these purposes is permitted only for stations authorized and continuously licensed since before May 21, 1971.

(48) Operation on this frequency is limited to a maximum output power of 20 watts.

(49) Operation on this frequency is limited to a maximum output power of 75 watts.

(50) This frequency may also be used for the transmission of tone or voice communications, including such communications when prerecorded, for purposes of automatically indicating abnormal conditions of trackage and railroad rolling stock when in motion, on a secondary basis to other stations on this frequency. All such operations shall be subject to the following:

(i) The output power shall not exceed 30 watts;

(ii) The bandwidth used shall not exceed that authorized to the licensee for voice transmissions on the frequency concerned;

(iii) The station shall be so designed and installed that it can normally be activated only by its associated automatic control equipment and, in addition, it shall be equipped with a time delay or clock device which will deactivate the station within three (3) minutes following activation by the last car in the train; and

(iv) Stations authorized pursuant to the provisions of this paragraph are exempt from the station identification requirements of § 90.425.

(51) In Puerto Rico and the Virgin Islands only, this frequency is available on a shared basis with remote pickup broadcast stations.

(52) In Puerto Rico and the Virgin Islands only, this frequency is available to all stations operating in the Industrial/Business Pool and may be coordinated by any frequency coordinator certified in the Industrial/Business Pool.

(53) Frequencies in this band will be assigned only for transmitting hydrological or meteorological data or for low power wireless microphones in accordance with the provisions of § 90.265.

(54) For FM transmitters the sum of the highest modulating frequency and the amount of frequency deviation may not exceed 1.7 kHz and the maximum deviation may not exceed 1.2 kHz. For AM transmitters the highest modulating frequency may not exceed 1.2 kHz. The carrier frequency must be maintained within 0.0005 percent and the authorized bandwidth may not exceed 3 kHz.

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

(56) Subpart T of this part contains rules for assignment of frequencies in the 220–222 MHz band.

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

(58) Operational fixed assignments on this frequency will only be made to an itinerant fixed control or relay station on a secondary basis to land-mobile stations in the Industrial/Business Pool, provided that the fixed relay or control station is to be associated with base and mobile facilities authorized to use other frequencies available for

itinerant operation in the Industrial/Business Pool. All such use of these frequencies for fixed systems is limited to locations 161 or more km. (100 mi.) from the center of any urbanized area of 200,000 or more population, except that the distance may be 120 km. (75 mi.) if the output power does not exceed 20 watts. All such fixed systems are limited to a maximum of two frequencies and must employ directional antennas with a front-to-back ratio of at least 15 dB. The centers of urbanized areas of 200,000 or more population are determined from the appendix, page 226, of the U.S. Commerce publication, "Air Line Distance Between Cities in the United States." Urbanized areas of 200,000 or more population are defined in the U.S. Census of Population, 1960, volume 1, table 23, page 1–50.

(59) This frequency may be assigned primarily for stations used for the purpose of controlling slave locomotives that are placed within a train to assist the lead locomotive by providing, among other functions, auxiliary starting, pulling, and braking actions. Additionally, on a secondary basis this frequency may be assigned for remote control of all types of locomotives and, within a railroad yard or terminal area, for remote control of cab indicator devices placed with a locomotive to give visual signals to the operator of the locomotive. (A1, A2, F1 or F2 emissions may be authorized.)

(60)(i) This frequency is available for voice or non-voice communications concerned with cargo handling from a dock or cargo handling facility, a vessel alongside the dock, or cargo handling facility. The effective radiated power (ERP) shall not exceed 2 watts. Mobile relay stations may be temporarily installed on vessels located at or in the vicinity of a dock or cargo handling facility. The center of the radiating system of the mobile relay shall be located no more than 3 meters (10 feet) above the vessel's highest working dock.

(ii) This frequency is also available for low power non-cargo handling operations, both voice and non-voice, on a secondary basis to cargo handling communications. Such operations are not subject to the power limitations in paragraph (c)(60)(i) of this section on

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the following frequencies: 457.525 MHz, 457.550 MHz, 457.5625 MHz, 457.575 MHz, 457.5875 MHz, 457.600 MHz, and 457.6125 MHz. This frequency will not be assigned for non-cargo handling operations at temporary locations.

(iii) For mobile relay operations under paragraph (c)(60)(i) of this section, frequency pairing is as follows:

Mobile relay (MHz) <sup>1</sup>	Mobile (MHz)
457.525	467.750
457.53125	467.75625
457.5375	467.7625
457.54375	467.76875
457.550	467.775
457.55625	467.78125
457.5625	467.7875
457.56875	467.79375
457.575	467.800
457.58125	467.80625
457.5875	467.8125
457.59375	467.81875
457.600	467.825
457.60625	467.83125
457.6125	
457.61875	

<sup>1</sup> The mobile relay frequencies may also be used for single frequency simplex.

(61) This frequency is available for assignment as follows:

(i) To persons furnishing commercial air transportation service or, pursuant to § 90.179, to an entity furnishing radio communications service to persons so engaged, for stations located on or near

the airports listed in paragraph (c)(61)(iv) of this section. Stations will be authorized on a primary basis and may be used only in connection with servicing and supplying of aircraft. Operation on this frequency is limited to a maximum effective radiated power (ERP) of 100 watts at locations within 16 km (10 miles) of the coordinates of the listed airports.

(ii) To stations in the Industrial/Business Pool for secondary use at locations 80 km (approximately 50 miles) or more from the coordinates of the listed airports. Operation will be limited to a maximum ERP of 300 watts.

(iii) To stations in the Industrial/Business Pool for secondary use at locations greater than 16 km (approximately 10 miles) but less than 80 km (approximately 50 miles) from the coordinates of the listed airports. Operation will be limited to a maximum ERP of 10 watts. Use of this frequency is restricted to the confines of an industrial complex or manufacturing yard area. Stations licensed prior to April 25, 2005, may continue to operate with facilities authorized as of that date.

(iv) The airports and their respective reference coordinates are (coordinates are referenced to North American Datum 1983 (NAD83)):

City and airport	Reference coordinates	
	N. Latitude	W. Longitude
Aberdeen, SD: Aberdeen Regional (ABR)	45°26'56.6"	98°25'18.6"
Agana, GU: Guam International (GUM)	13°29'00.4"	144°47'45.5" E
Akron, OH: Akron-Canton Regional (CAK)	40°54'58.7"	81°26'32.9"
Alamosa, CO: San Luis Valley Regional/Bergman Field (ALS)	37°26'05.7"	105°51'59.6"
Albany, NY: Albany Int'l (ALB)	42°44'53.2"	73°48'10.7"
Albuquerque, NM: Albuquerque International Sunport (ABQ)	35°02'24.8"	106°36'33.1"
Allentown-Bethlehem, PA: Lehigh Valley Int'l (ABE)	40°39'08.5"	75°26'25.5"
Amarillo, TX: Amarillo International (AMA)	35°13'09.7"	101°42'21.3"
Anchorage, AK: Ted Stevens Anchorage International (ANC)	61°10'27.6"	149°59'46.3"
Appleton, WI: Outagamie County Regional (ATW)	44°15'26.7"	88°31'10.1"
Aspen, CO: Aspen-Pitkin County/Sardy Field (ASE)	39°13'23.4"	106°52'07.9"
Atlanta, GA:		
Atlanta International (ATL)	33°38'25.6"	84°25'37.0"
DeKalb-Peachtree (PDK)	33°52'32.2"	84°18'07.1"
Fulton County (FTY)	33°46'44.9"	84°31'16.9"
Austin, TX: Austin Bergstrom International (AUS)	30°11'40.3"	97°40'11.5"
Bakersfield, CA: Meadows Field (BFL)	35°26'00.9"	119°03'24.4"
Baltimore, MD: Baltimore-Washington Int'l (BWI)	39°10'31.5"	76°40'05.5"
Baton Rouge, LA: Baton Rouge Metropolitan (BTR)	30°31'59.4"	91°08'58.7"
Billings, MT: Billings Logan International (BIL)	45°48'27.6"	108°32'34.3"
Birmingham, AL: Birmingham Int'l (BHM)	33°33'46.6"	86°45'12.8"
Bismarck, ND: Bismarck Municipal (BIS)	46°46'21.8"	100°44'44.7"
Boise, ID: Boise Air Terminal (BOI)	43°33'52.0"	116°13'22.0"
Boston, MA: Logan International (BOS)	42°21'51.7"	71°00'18.7"
Bozeman, MT: Gallatin Field (BZN)	45°46'36.8"	111°09'10.8"
Bridgeport, CT: Sikorsky Memorial (BDR)	41°09'48.5"	73°07'34.2"
Buffalo, NY: Buffalo Niagara Int'l (BUF)	42°56'25.9"	78°43'55.8"
Burlington, VT: Burlington Int'l (BTV)	44°28'18.7"	73°09'11.8"

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City and airport	Reference coordinates	
	N. Latitude	W. Longitude
Cedar Rapids, IA: The Eastern Iowa (CID) .....	41°53'04.5"	91°42'39.1"
Charleston, SC: Charleston AFB/International (CHS) .....	32°53'55.1"	80°02'25.8"
Charlotte, NC: Charlotte-Douglas Int'l (CLT) .....	35°12'50.4"	80°56'35.3"
Chattanooga, TN: Lovell (CHA) .....	35°02'06.9"	85°12'13.6"
Chicago, IL-Northwest, IN:		
Chicago-Wheeling-Palwaukee (PWK) .....	42°06'51.1"	87°54'05.3"
Meigs (CGX) .....	41°51'31.8"	87°36'28.5"
South Bend Regional (SBN) .....	41°42'32.2"	86°19'06.5"
Midway (MDW) .....	41°47'09.5"	87°45'08.7"
O'Hare International (ORD) .....	41°58'46.5"	87°54'16.1"
West Chicago-Dupage (DPE) .....	41°54'24.8"	88°14'54.3"
Cincinnati, OH:		
Cincinnati-Blue Ash (ISZ) .....	39°14'48.1"	84°23'20.3"
Lunken (LUK) .....	39°06'12.0"	84°25'07.0"
Cleveland, OH:		
Burke Lakefront (BKL) .....	41°31'03.0"	81°41'00.0"
Cuyahoga County (CGF) .....	41°33'54.5"	81°29'10.9"
Hopkins International (CLE) .....	41°24'39.2"	81°50'57.8"
Columbia, SC: Columbia Metropolitan (CAE) .....	33°56'19.8"	81°07'10.3"
Columbus, GA: Columbus Metropolitan (CSG) .....	32°30'58.8"	84°56'19.9"
Columbus, OH:		
Port Columbus Int'l (CMH) .....	39°59'52.8"	82°53'30.8"
Rickenbacker International (LCK) .....	39°48'49.5"	82°55'40.3"
Corpus Christi, TX: Corpus Christi International (CRP) .....	27°46'13.3"	97°30'04.4"
Covington/Cincinnati, KY: Cincinnati/Northern Kentucky Int'l (CVG) .....	39°02'46.1"	84°39'43.8"
Crescent City, CA: Jack McNamara Field (CEC) .....	41°46'48.6"	124°14'11.5"
Dallas, TX:		
Addison (ADS) .....	32°58'06.8"	96°50'11.2"
Dallas-Ft. Worth Int'l (DFW) .....	32°53'45.4"	97°02'13.9"
Dallas-Love Field (DAL) .....	32°50'49.6"	96°51'06.4"
Red Bird (RBD) .....	32°40'51.1"	96°52'05.5"
Davenport, IA (Rock Island, Moline, IL):		
Davenport Municipal (DVN) .....	41°36'37.0"	90°35'18.0"
Quad City (MLI) .....	41°26'54.7"	90°30'27.1"
Dayton, OH: Dayton International (DAY) .....	39°54'08.6"	84°13'09.8"
Denver, CO:		
Centennial (APA) .....	39°34'12.5"	104°50'57.5"
Colorado Springs Municipal (COS) .....	38°48'20.9"	104°42'00.9"
Jeffco (BJC) .....	39°54'31.6"	105°07'01.9"
Denver International (DEN) .....	39°51'30.3"	104°40'01.2"
Des Moines, IA: Des Moines Int'l (DSM) .....	41°32'05.8"	93°39'38.5"
Detroit, MI:		
Detroit City (DET) .....	42°24'33.1"	83°00'35.5"
Detroit Metro-Wayne County (DTW) .....	42°12'43.4"	83°20'55.8"
Oakland-Pontiac (PTK) .....	42°39'54.7"	83°25'07.4"
Willow Run (YIP) .....	42°14'16.5"	83°31'49.5"
Duluth, MN: Duluth International (DLH) .....	46°50'31.5"	92°11'37.1"
Durango, CO: Durango-La Plata County (DRO) .....	37°09'05.5"	107°45'13.6"
Eagle, CO: Eagle County Regional (EGE) .....	39°38'33.2"	106°55'03.7"
El Paso, TX: El Paso International (ELP) .....	31°48'24.0"	106°22'40.1"
Eugene, OR: Mahlon Sweet Field (EUG) .....	44°07'23.7"	123°13'07.3"
Eureka, CA: Eureka Municipal (033) .....	40°46'51.4"	124°12'44.2"
Fargo, ND: Hector International (FAR) .....	46°55'09.7"	96°48'53.9"
Flint, MI: Bishop (FNT) .....	42°57'55.8"	83°44'36.4"
Ft. Lauderdale-Hollywood, FL:		
Ft. Lauderdale Executive (FXE) .....	26°11'50.2"	80°10'14.6"
Ft. Lauderdale-Hollywd Int'l (FLL) .....	26°04'21.3"	80°09'09.9"
Ft. Meyers, FL: Page Field (FMY) .....	26°35'11.8"	81°51'47.7"
Ft. Meyers, FL: Southwest Florida International (RSW) .....	26°32'10.2"	81°45'18.6"
Ft. Wayne, IN: Fort Wayne International (FWA) .....	40°58'42.5"	85°11'42.5"
Ft. Worth, TX:		
Fort Worth Alliance (AFW) .....	32°59'12.5"	97°19'07.7"
Meacham (FTW) .....	32°49'11.2"	97°21'44.8"
Fresno, CA:		
Fresno-Chandler Downtown (FCH) .....	36°43'56.5"	119°49'11.6"
Fresno Yosemite Int'l (FAT) .....	36°46'34.3"	119°43'05.3"
Gainesville, FL: Gainesville Regional (GNV) .....	29°41'24.2"	82°16'18.4"
Grand Forks, ND: Grand Forks International (GFK) .....	47°56'57.3"	97°10'34.0"
Grand Rapids, MI: Gerald R. Ford Int'l (GRR) .....	42°52'51.0"	85°31'22.1"
Great Falls, MT: Great Falls International (GTF) .....	47°28'55.2"	111°22'14.5"
Green Bay, WI: Austin Straubel Int'l (GRB) .....	44°29'06.3"	88°07'46.5"
Greensboro, NC: Piedmont Tirad International (GSO) .....	36°05'51.9"	79°56'14.3"

City and airport	Reference coordinates	
	N. Latitude	W. Longitude
Greer, SC: Greenville-Spartanburg Int'l (GSP) .....	34°53'44.4"	82°13'07.9"
Gunnison, CO: Gunnison County (GUC) .....	38°32'02.2"	106°55'58.9"
Hana, HI: Hana (HNM) .....	20°47'44.3"	156°00'52.0"
Harlingen, TX: Valley International (HRL) .....	26°13'42.6"	97°39'15.8"
Harrisburg, PA:		
Capital City (CXY) .....	40°13'01.7"	76°51'05.3"
Harrisburg Int'l (MDT) .....	40°11'36.6"	76°45'48.3"
Hartford, CT (Windsor Locks):		
Bradley Int'l (BDL) .....	41°56'20.0"	72°40'59.6"
Hartford-Brainard (HFD) .....	41°44'10.6"	72°39'00.8"
Hayden, CO: Yampa Valley (HDN) .....	40°28'52.2"	107°13'03.6"
Hilo, HI: Hilo Int'l (ITO) .....	19°43'12.9"	155°02'54.5"
Honolulu, HI: Honolulu International (HNL) .....	21°19'07.3"	157°55'20.7"
Houston, TX:		
W.P. Hobby (HOU) .....	29°38'43.5"	95°16'44.0"
D.W. Hooks Memorial (DWH) .....	30°03'42.7"	95°33'10.0"
George Bush Intercontinental (IAH) .....	29°58'49.7"	95°20'23.0"
Indianapolis, IN: Indianapolis Int'l (IND) .....	39°43'02.4"	86°17'39.8"
Jackson Hole, WY: Jackson Hole (JAC) .....	43°36'26.4"	110°44'15.9"
Jacksonville, FL:		
Craig Municipal (CRG) .....	30°20'10.8"	81°30'52.0"
Jacksonville Int'l (JAX) .....	30°29'38.6"	81°41'16.3"
Kalamazoo, MI: Kalamazoo/Battle Creek International (AZO) .....	42°14'05.5"	85°33'07.4"
Kalispell, MT: Glacier Park International (FCA) .....	48°18'41.1"	114°15'18.2"
Kansas City, MO-KS:		
Kansas City Int'l (MCI) .....	39°17'51.4"	94°42'50.1"
Kansas City Municipal Dntn (MKC) .....	39°07'23.7"	94°35'33.9"
Kauna Kakai, HI: Molokai (MKK) .....	21°09'10.4"	157°05'46.5"
Knoxville, TN: McGhee Tyson (TYS) .....	35°48'44.9"	83°59'34.3"
Lacrosse, WI: Lacrosse Municipal (LSE) .....	43°52'46.5"	91°15'24.6"
Lansing, MI: Capital City (LAN) .....	42°46'43.3"	84°35'14.5"
Las Vegas, NV: McCarran Int'l (LAS) .....	36°04'49.3"	115°09'08.4"
Lihue, HI: Lihue (LIH) .....	21°58'33.5"	159°20'20.3"
Lincoln, NE: Lincoln Municipal (LNK) .....	40°51'03.5"	96°45'33.3"
Little Rock, AR: Adams Field (LIT) .....	34°43'48.8"	92°13'27.3"
Los Angeles, CA:		
Burbank-Glendale-Pasadena (BUR) .....	34°12'02.2"	118°21'30.6"
Catalina (AVX) .....	33°24'17.8"	118°24'57.1"
Long Beach-Daugherty Field (LGB) .....	33°49'03.8"	118°09'05.8"
Los Angeles Int'l (LAX) .....	33°56'33.1"	118°24'29.1"
Ontario Int'l (ONT) .....	34°03'21.6"	117°36'04.3"
Santa Ana-John Wayne-Orange City (SNA) .....	33°40'32.4"	117°52'05.6"
Louisville, KY: Louisville Int'l-Standiford Field (SDF) .....	38°10'27.8"	85°44'09.6"
Lubbock, TX: Lubbock International (LBB) .....	33°39'49.1"	101°49'22.0"
Lynchburg, VA: Lynchburg Regional-Preston Glen Field (LYH) .....	37°19'36.1"	79°12'01.6"
Madison, WI: Dane County Regional-Truax Field (MSN) .....	43°08'23.5"	89°20'15.1"
Manchester, NH: Manchester (MHT) .....	42°56'04.3"	71°26'13.4"
Memphis, TN: Memphis Int'l (MEM) .....	35°02'32.7"	89°58'36.0"
Miami, FL:		
Miami Int'l (MIA) .....	25°47'35.7"	80°17'26.0"
Opa Locka (OPF) .....	25°54'25.2"	80°16'42.2"
Kendall-Tamiami Executive (TMB) .....	25°38'52.4"	80°25'58.0"
Milwaukee, WI: General Mitchell Int'l (MKE) .....	42°56'50.0"	87°53'47.7"
Minneapolis-St. Paul, MN: Minneapolis-St. Paul Int'l (MSP) .....	44°52'49.9"	93°13'00.9"
Minot, ND: Minot International (MOT) .....	48°15'33.8"	101°16'49.2"
Missoula, MT: Missoula International (MSO) .....	46°54'58.7"	114°05'26.0"
Mobile, AL: Mobile Regional (MOB) .....	30°41'29.1"	88°14'34.2"
Modesto, CA: Modesto City-County (MOD) .....	37°37'32.9"	120°57'15.9"
Monterey, CA: Monterey Peninsula (MRJ) .....	36°35'13.1"	121°50'34.6"
Montrose, CO: Montrose Regional (MTJ) .....	38°30'31.9"	107°53'37.8"
Nashville, TN: Nashville Int'l (BNA) .....	36°07'28.1"	86°40'41.5"
New Haven, CT: Tweed-New Haven Municipal (HVN) .....	41°15'50.0"	72°53'13.6"
New Orleans, LA:		
Lakefront (NEW) .....	30°02'32.7"	90°01'41.7"
New Orleans Int'l (MYS) .....	29°59'36.2"	90°15'28.9"
Newburgh, NY: Stewart International (SWF) .....	41°30'14.7"	74°06'17.4"
Newport News-Hampton, VA: Newport News/Williamsburg (PHF) .....	37°07'54.8"	76°29'34.8"
New York-Northeast, NJ:		
Republic (FRG) .....	40°43'43.6"	73°24'48.3"
JFK International (JFK) .....	40°38'23.1"	73°46'44.1"
LaGuardia (LGA) .....	40°46'38.1"	73°52'21.4"
Long Island-McArthur (ISP) .....	40°47'42.8"	73°06'00.8"

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City and airport	Reference coordinates	
	N. Latitude	W. Longitude
Morristown Municipal (NJ) (MMU) .....	40°47'57.7"	74°24'53.5"
Newark Int'l (FWR) .....	40°41'32.9"	74°10'07.2"
Teterboro (NJ) (TEB) .....	40°51'00.4"	74°03'39.0"
Norfolk, VA: Norfolk Int'l (ORF) .....	36°53'40.6"	76°12'04.4"
Oklahoma City, OK:		
Wiley Post (PWA) .....	35°32'04.4"	97°38'49.9"
Will Rogers World (OKC) .....	35°23'35.1"	97°36'02.6"
Omaha, NE: Eppley Airfield (OMA) .....	41°18'09.1"	95°53'39.0"
Orlando, FL:		
Orlando Executive (ORL) .....	28°32'43.7"	81°19'58.6"
Orlando Int'l (MCO) .....	28°25'44.0"	81°18'57.7"
Palm Springs, CA: Palm Springs International (PSP) .....	33°49'46.8"	116°30'24.1"
Peoria, IL: Greater Peoria Regional (PIA) .....	40°39'51.3"	89°41'35.9"
Philadelphia, PA-NJ:		
Northeast Philadelphia (PNE) .....	40°04'55.0"	75°00'38.1"
Philadelphia Int'l (PHL) .....	39°52'19.0"	75°14'28.1"
Phoenix, AZ:		
Phoenix-Sky Harbor Int'l (PHX) .....	33°26'03.0"	112°00'29.0"
Scottsdale (SDL) .....	33°37'22.3"	111°54'37.9"
Pittsburgh, PA:		
Allegheny County (AGC) .....	40°21'15.9"	79°55'48.9"
Pittsburgh Int'l (PIT) .....	40°29'29.3"	80°13'58.3"
Portland, ME: Portland International Jetport (PWM) .....	43°38'46.2"	70°18'31.5"
Portland, OR:		
Portland-Hillsboro (HIO) .....	45°32'25.4"	122°56'59.4"
Portland International (PDX) .....	45°35'19.4"	122°35'51.0"
Portland-Troutdale (TTD) .....	45°32'57.7"	122°24'04.5"
Providence-Pawtucket, RI-MA:		
North Central State (SFZ) .....	41°55'14.7"	71°29'29.0"
T.F. Green State (PVD) .....	41°43'26.4"	71°25'41.6"
Pueblo, CO: Pueblo Memorial (PUB) .....	38°17'20.7"	104°29'47.7"
Raleigh/Durham, NC: Raleigh-Durham International (RDU) .....	35°52'39.5"	78°47'14.9"
Rapid City, SD: Rapid City Regional (RAP) .....	44°02'43.2"	103°03'26.5"
Reno, NV: Reno/Tahoe International (RNO) .....	39°29'54.8"	119°46'05.0"
Richmond, VA: Richmond International (RIC) .....	37°30'18.6"	77°19'10.8"
Roanoke, VA: Roanoke Regional/Woodrum Field (ROA) .....	37°19'31.7"	79°58'31.5"
Rochester, MN: Rochester International (RST) .....	43°54'26.0"	92°29'56.4"
Rochester, NY: Greater Rochester Int'l (ROC) .....	43°07'07.9"	77°40'20.6"
Sacramento, CA:		
Sacramento Executive (SAC) .....	38°30'45.1"	121°29'36.5"
Sacramento Int'l (SMF) .....	38°41'43.5"	121°35'26.8"
Saginaw, MI: MBS International (MBS) .....	43°31'58.5"	84°04'46.7"
Saipan Isl., CQ: Saipan International (GSN) .....	15°07'08.4"	145°43'45.7"
St. Louis, MO-IL:		
Spirit of St. Louis (SUS) .....	38°39'42.7"	90°39'04.4"
St. Louis-Lambert Int'l (STC) .....	38°44'51.7"	90°21'35.9"
St. Petersburg, FL:		
Albert Whitted Municipal (SPG) .....	27°45'54.4"	82°37'37.1"
St. Petersburg Clearwater Int'l (PIE) .....	27°54'38.8"	82°41'14.9"
Salt Lake City, UT: Salt Lake City Int'l (SLC) .....	40°47'18.2"	111°58'39.9"
San Antonio, TX: San Antonio Int'l (SAT) .....	29°32'01.3"	98°28'11.2"
San Diego, CA: San Diego Lindbergh Int'l (SAN) .....	32°44'00.8"	117°11'22.8"
San Francisco-Oakland, CA:		
Metropolitan Oakland Int'l (OAK) .....	37°43'16.7"	122°13'14.6"
San Francisco Int'l (SFO) .....	37°37'08.4"	122°22'29.4"
San Jose, CA: San Jose Int'l (SJC) .....	37°21'42.7"	121°55'44.4"
San Juan, PR: Luis Munoz (SJU) .....	18°26'21.9"	66°00'06.6"
Santa Barbara, CA: Santa Barbara Municipal (SBA) .....	34°25'34.4"	119°50'25.3"
Santa Fe, NM: Santa Fe Municipal (SAF) .....	35°37'00.4"	106°05'17.3"
Sarasota, FL: Sarasota/Bradenton International (SRQ) .....	27°23'43.2"	82°33'14.8"
Savannah, GA: Savannah International (SAV) .....	32°07'39.3"	81°12'07.7"
Seattle, WA:		
Boeing/King County Int'l (BFI) .....	47°26'47.9"	122°18'33.5"
Seattle-Tacoma Int'l (SEA) .....	47°26'56.3"	122°18'33.5"
Shreveport, LA:		
Shreveport Downtown (DTN) .....	32°32'24.8"	93°44'42.1"
Shreveport Regional (SHV) .....	32°26'47.9"	93°49'32.2"
Sioux City, IA: Sioux Gateway (SUX) .....	42°24'09.4"	96°23'03.7"
Sioux Falls, SD: Joe Foss Field (FSD) .....	43°34'52.9"	96°44'30.1"
South Bend, IN: South Bend Regional (SBN) .....	41°42'32.2"	86°19'06.5"
Spokane, WA:		
Grant County Int'l (MWH) .....	47°12'27.5"	119°19'12.7"



City and airport	Reference coordinates	
	N. Latitude	W. Longitude
Spokane Int'l (GEG) .....	47°37'11.5"	117°32'01.8"
Springfield, MA:		
Barnes Municipal (BAF) .....	42°09'27.8"	72°42'56.2"
Westover ARB/Metropolitan (CEF) .....	42°11'53.8"	72°32'03.3"
Springfield, MO: Springfield-Branson Regional (SGF) .....	37°14'39.6"	93°23'12.7"
Syracuse, NY: Syracuse-Hancock Int'l (SYR) .....	43°06'40.3"	76°06'22.7"
Tacoma, WA: Tacoma Narrows (TIW) .....	47°16'04.6"	122°34'41.2"
Tallahassee, FL: Tallahassee Regional (TLH) .....	30°23'47.5"	84°21'01.2"
Tampa, FL: Tampa Int'l (TPA) .....	27°58'31.7"	82°31'59.7"
Telluride, CO: Telluride Regional (TEX) .....	37°57'13.5"	107°54'30.5"
Toledo, OH: Toledo Express (TOL) .....	41°35'12.5"	83°48'28.2"
Trenton, NJ-PA: Trenton Mercer (TTN) .....	40°16'36.1"	74°48'48.5"
Tucson, AZ: Tucson Int'l (TUS) .....	32°06'57.9"	110°56'27.7"
Tulsa, OK:		
R.L. Jones, Jr. (RVS) .....	36°02'22.7"	95°59'04.7"
Tulsa Int'l (TUL) .....	36°11'54.1"	95°53'17.7"
Washington, DC:		
Dulles International (IAD) .....	38°56'40.3"	77°27'20.9"
Ronald Reagan National (DCA) .....	38°51'07.5"	77°02'15.8"
Waterloo, IA: Waterloo Municipal (ALO) .....	42°33'25.5"	92°24'01.2"
West Palm Beach, FL: Palm Beach International (PBI) .....	26°40'59.4"	80°05'44.1"
White Plains, NY: Westchester County (HPN) .....	41°04'01.1"	73°42'27.3"
Wichita, KS: Mid-Continent (ICT) .....	37°38'59.9"	97°25'58.9"
Scranton, PA: Wilkes-Barre/Scranton Int'l (AVP) .....	41°20'17.3"	75°43'27.4"
Wilmington, DE: New Castle County (ILG) .....	39°40'43.4"	75°36'23.5"
Worcester, MA: Worcester Regional (ORH) .....	42°16'02.4"	71°52'32.6"
Youngstown-Warren, OH-PA: Youngstown-Warren Regional (YNG) .....	41°15'38.7"	80°40'44.8"

<sup>1</sup> Coordinates followed by an "E" are east longitude.

(62) This frequency may be assigned to fixed stations in the Industrial/Business Pool in accordance with the provisions of § 90.261.

(63) Within the boundaries of urbanized areas of 200,000 or more population, defined in the United States Census of Population, 1960, vol. 1, table 23, page 1-50, this frequency may be used only by persons rendering a central station commercial protection service within the service area of the radio station utilizing the frequency and may be used only for communications pertaining to safety of life and property, and for maintenance or testing of the protection facilities. Central Station commercial protection service is defined as an electrical protection and supervisory service rendered to the public from and by a central station accepted and certified by one or more of the recognized rating agencies, or the Underwriters Laboratories' (UL), or Factory Mutual System. Other stations in the Industrial/Business Pool may be licensed on this frequency only when all base, mobile relay and control stations are located at least 120 km (75 miles) from the city center or centers of the specified urbanized areas of 200,000 or more population. With re-

spect to combination urbanized areas containing more than one city, 120 km (75 mile) separation shall be maintained from each city center which is included in the urbanized area. The locations of centers of cities are determined from appendix, page 226, of the U.S. Commerce publication "Air Line Distance Between Cities in the United States."

(64) Persons who render a central station commercial protection service are authorized to operate fixed stations on this frequency for the transmission of tone or impulse signals on a secondary, noninterference base-to-base/mobile operations subject to the following conditions and limitations:

(i) Secondary fixed operations may be used only for the following purposes:

(A) Indication of equipment malfunction;

(B) Actuation of a device to indicate the presence of an intruder, fire, or other hazardous condition on the property under the protection of the licensee;

(C) Indication of an abnormal condition in facilities under the protection of the licensee that, if not promptly reported, would result in danger to human life;

(D) Transmission, as may be necessary, to verify status of equipment; adjust operating conditions; or correct any abnormal condition; or

(E) Confirmation of status, or that an operation or correction has been accomplished.

(ii) The maximum duration of any one non-voice signal may not exceed 2 seconds and shall not be transmitted more than three times.

(iii) Systems employing automatic interrogation shall be limited to non-voice techniques and shall not be activated for this purpose more than 10 seconds out of any 60-second period. This 10-second frame includes both transmit and response times.

(iv) The bandwidth shall not exceed that authorized to the licensee for the primary operation on the frequency concerned.

(v) Frequency loading resulting from the use of secondary signaling will not be considered in whole or in part as a justification for authorizing additional frequencies in the licensee's mobile system.

(vi) A mobile service frequency may not be used exclusively for secondary signaling.

(vii) The output power shall not exceed 30 watts (at the remote site).

(viii) A1D, A2D, F1D, or F2D emission may be authorized.

(ix) The transmitter shall be designed to deactivate automatically after 3 minutes of continuous carrier radiation.

(x) Operational fixed stations authorized under this paragraph are exempt from the requirements of §§90.137(b), 90.429(d), 90.425 and 90.433.

(xi) On these frequencies, base, mobile relay or mobile stations may transmit secondary tone or impulse signals to receivers, as provided in this section.

(65) Licensees providing a central station commercial protection service may communicate with police or fire stations, or vehicles, on this frequency, and may install licensed transmitting units which operate on this frequency at police or fire stations, or in police or fire vehicles, if the frequency's primary use is in a base/mobile system for a central station commercial protection service.

(66) This frequency may be assigned only to persons rendering a central station commercial protection service, which is defined in paragraph (c)(63) of this section, within the service area of the radio station utilizing the frequency.

(67) Medical telemetry operations are authorized on this frequency on a secondary basis. Medical telemetry operations are subject to the provisions of §90.267(h)(2).

(68) Each station authorized on this frequency will be classified and licensed as a mobile station. Any units of such a station, however, may provide the operational functions of a base station on a secondary basis to mobile service operations provided that the vertical separation between control point or ground level and the center of the radiating portion of the antenna of any units so used does not exceed 8 meters (approximately 25 feet). This frequency is available for assignment as follows:

(i) To persons furnishing commercial air transportation service or, pursuant to §90.179, to an entity furnishing radio communications service to persons so engaged, for stations located on or near the airports listed in paragraph (c)(61)(iv) of this section. Stations will be authorized on a primary basis and may be used only in connection with servicing and supplying of aircraft. Operation on this frequency is limited to a maximum effective radiated power (ERP) of 40 watts at locations within 16 km (approximately 10 miles) of the coordinates of the listed airports.

(ii) To stations in the Industrial/Business Pool for secondary use at locations 80 km (approximately 50 miles) or more from the coordinates of the listed airports. Operation will be limited to a maximum ERP of 120 watts. Wide area operation will not be permitted. The area of normal, day-to-day operations will be described in the application.

(iii) To stations in the Industrial/Business Pool for secondary use at locations greater than 16 km (approximately 10 miles) but less than 80 km (approximately 50 miles) from the coordinates of the listed airports. Operation will be limited to a maximum ERP of 6 watts. Use of this frequency is

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restricted to the confines of an industrial complex or manufacturing yard area. Stations licensed prior to April 25, 2005, may continue to operate with facilities authorized as of that date.

(69) This frequency may be used on a secondary, non-interference basis by a hospital or health care institution holding a license to operate a radio station under this part to operate a medical radio telemetry device with an output power not to exceed 20 milliwatts without specific authorization from the Commission.

(70) Subpart L of this part contains rules for assignment of frequencies in the 470–512 MHz band.

(71) Subpart S of this part contains rules for assignment of frequencies in the 806–821/851–866 and 896–901/935–940 MHz bands.

(72) Assignment of frequencies above 928 MHz for operational-fixed stations is governed by part 101 of this chapter.

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

(74) 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 band 2483.5–2500 MHz, 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, and licensees whose initial applications were filed on or before July 25, 1985, are grandfathered and their operations are on a co-primary basis with the mobile-satellite and radiodetermination-satellite services, and in the segment 2495–2500 MHz, their operations are also on a co-primary basis with part 27 fixed and mobile except aeronautical mobile service operations.

(75) [Reserved]

(76) 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 Service. No new licenses will be issued under this subpart but current licenses will be renewed.

(77) All communications on this frequency must be conducted within the boundaries or confines of the licensee's business premises.

(78) Base and mobile stations authorized as of April 1, 1968, may continue to be authorized for such operation on a secondary basis to the Maritime Mobile Service. The licensees of such stations may renew, modify, reinstate, or assign their licenses in those cases where such assignment accompanies a change of ownership of the licensee's business to the assignee, and may expand existing systems when using that frequency; however, they will not be authorized to establish any new systems.

(79) Frequencies may be assigned in pairs with the separation between base and mobile transmit frequencies being 5.26 MHz. A mobile station may be assigned the frequency which would normally be assigned to a base station for single frequency operation. However, this single-frequency operation may be subject to interference that would not occur to a two-frequency system. Base or mobile stations located 80.5 km (50 miles) or less from the center or any urbanized area of 600,000 or more population (U.S. Census of Population, 1970) must be operated in the half-duplex mode.

(80) Concurrence from the Petroleum Coordinator is required only for applications for this frequency that request authorization for transmitters in Arkansas, Louisiana, Oklahoma, or Texas.

(81) Concurrence from the Petroleum Coordinator is required only for applications for this frequency that request authorization for transmitters in Arkansas, Louisiana, Oklahoma, Oregon, Texas, or Washington.

(82) After December 7, 2000 new stations will only be licensed with an authorized bandwidth not to exceed 11.25 kHz. Licensees authorized prior to December 7, 2000 may continue to use bandwidths wider than 11.25 kHz on a co-primary basis until January 1, 2005. After January 1, 2005, all stations operating with an authorized bandwidth greater than 11.25 kHz will be secondary to adjacent channel public safety interoperability operations. (See § 90.20(c)(3)).

(83) Telemetry operations on this frequency will be authorized pursuant to § 90.267.

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(84) Operation on this frequency is subject to the low power provisions of §90.267. This frequency is assigned to Group A in the low power pool.

(85) Operation on this frequency is subject to the low power provisions of §90.267. This frequency is assigned to Group B in the low power pool.

(86) Operation on this frequency is subject to the low power provisions of §90.267. This frequency is assigned to Group C in the low power pool.

(87) Operation on this frequency is subject to the low power provisions of §90.267. This frequency is assigned to Group D in the low power pool.

(88) Use of this frequency is on a secondary basis limited to 2 watts output power and subject to the provisions of §90.267(h)(1), (h)(2), (h)(3) and (h)(4).

(89) The frequency may be assigned only to entities meeting the definition of a forest product licensee (*see* §90.7). Operations are on a secondary basis to Federal Government operations including experimental stations, will not exceed 150 watts output power, and are limited to the states of Washington, Oregon, Maine, North Carolina, South Carolina, Tennessee, Georgia, Florida, Alabama, Mississippi, Louisiana, and Texas (eastern portion).

(90) As of March 25, 2007, the FCC will cease to issue licenses for new stations in the fixed and mobile services in the following bands: 5900–5950 kHz, 7300–7350 kHz, 9400–9500 kHz, 11600–11650 kHz, 12050–12100 kHz, 13800–13870 kHz, and 15600–15800 kHz. As of March 29, 2009, the FCC will cease to issue licenses for new stations in the fixed and mobile services in the band 7350–7400 kHz and, in the U.S. Pacific insular areas in Region 3, the band 7400–7450 kHz. Stations licensed as of March 25, 2007 in the bands 5900–5950 kHz, 7300–7350 kHz, 9400–9500 kHz, 11600–11650 kHz, 12050–12100 kHz, 13800–13870 kHz, and 15600–15800 kHz and as of March 29, 2009 for the band 7350–7400 kHz in Region 2 and the band 7350–7450 kHz in Region 3 shall:

(1) Be limited to communications only within the United States and its insular areas;

(2) Not cause harmful interference to the broadcasting service;

(3) Be limited to the minimum power needed to achieve communications; and

(4) Take account of the seasonal use of frequencies by the broadcasting service published in accordance with Article 12 of the ITU Radio Regulations.

(91) Subpart M of this part contains rules for assignment of frequencies in the 5850–5925 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) Frequencies may be substituted for those available below 25 MHz in accordance with the provisions of §90.263.

(2) Frequencies in the band 73.0–74.6 MHz may be assigned to stations authorized 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).

(3) 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.

(4) The following frequencies are available only in Puerto Rico and the Virgin Islands. These “Base and Mobile” and “Mobile only” frequencies are available on a shared basis with the Public Safety Pool. These “Mobile only” frequencies may be assigned to a control station associated with a mobile relay system if it is also assigned to the associated mobile station.

Base and mobile	Mobile only
159.240 .....	160.410
159.2475 .....	160.4175
159.255 .....	160.425
159.2625 .....	160.4325
159.270 .....	160.440
159.2775 .....	160.4475
159.285 .....	160.455
159.2925 .....	160.4625
159.300 .....	160.470
159.3075 .....	160.4775
159.315 .....	160.485
159.3225 .....	160.4925
159.330 .....	160.500
159.3375 .....	160.5075
159.345 .....	160.515
159.3525 .....	160.5225
159.360 .....	160.530
159.3675 .....	160.5375
159.375 .....	160.545
159.3825 .....	160.5525
159.390 .....	160.560
159.3975 .....	160.5675
159.405 .....	160.575
159.4125 .....	160.5825

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Base and mobile	Mobile only
159.420 .....	160.590
159.4275 .....	160.5975
159.435 .....	160.605
159.4425 .....	160.6125

(5) Low power mobile stations of 100 mw or less output power used for one-way, non-voice medical telemetry operations in hospitals or in medical convalescent centers are subject to the provisions of § 90.238.

(6) [Reserved]

(7) A railroad licensee, i.e., a licensee eligible for frequencies listed in § 90.35(b)(3) of this section that are coordinated by the railroad coordinator (LR), may operate radio units at fixed locations and in moving railroad locomotives/cars that transmit on the frequency 24.10 GHz, both unmodulated continuous wave radio signals and modulated FM digital signals for the purpose of alerting motorists to the presence of an approaching train. Unattended and continuous operation of such transmitters will be permitted without additional authorization from the Commission, provided type accepted equipment or equipment authorized pursuant to §§ 90.203(b)(4) and (b)(5) of this part is used, and all other rule provisions are satisfied.

(e) *Limitation on number of frequencies assignable.* Normally only one frequency, or pair 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 operation of mobile repeaters in accordance with § 90.247 notwithstanding this limitation.

(2) [Reserved]

(3) Frequencies in the 25–50 MHz, 150–170 MHz, 450–512 MHz and 902–928 MHz bands may be assigned for the operation of Location and Monitoring Service (LMS) systems in accordance with the provisions of subpart M of this part, notwithstanding this limitation.

(4) Authorizations for multiple frequencies for geophysical operations will be granted on the frequencies gov-

erned by the limitations in paragraphs (c)(3) and (c)(4) of this section. However, each geophysical exploration party may use a maximum of four frequencies at any one time.

(5) Authorization for more than one mobile frequency in the band 72–76 MHz will be issued notwithstanding this limitation.

(6) This limitation shall not apply to paragraph (c)(1) of this section.

(7) Frequencies in the 457 and 467 MHz bands may be assigned collectively as provided by paragraph (c)(60) of this section notwithstanding this limitation.

(f) *Limitation on itinerant operation.* Base or mobile stations being utilized in itinerant operation will be authorized only on base or mobile frequencies designated for itinerant operation under paragraphs (c)(10) or (c)(17) of this section, or on other frequencies not designated for permanent use.

(g) The frequencies 9–490 kHz are used to operate electric utility Power Line Carrier (PLC) systems on power transmission lines for communications essential to the reliability and security of electric service to the public, in accordance with part 15 of this chapter. Any electric utility that generates, transmits, or distributes electrical energy for use by the general public or by the members of a cooperative organization may operate PLC systems and shall supply to a Federal Communications Commission/National Telecommunications and Information Administration recognized industry-operated entity, information on all existing, changes to existing, and proposed systems for inclusion in a data base. Such information shall include the frequency, power, location of transmitter(s), location of receivers and other technical and operational parameters, which would characterize the system's potential both to interfere with authorized radio users, and to receive harmful interference from these users. In an agreed upon format, the industry-operated entity shall inform the FCC and the NTIA of these system characteristics prior to implementation of any proposed PLC system and shall provide monthly or periodic lists with supplements of PLC systems. The FCC and NTIA will supply appropriate

application and licensing information to the notification activity regarding authorized radio stations operating in the band. PLC systems in this band operate on a non-interference basis to radio systems assigned frequencies by the NTIA or licensed by the FCC and are not protected from interference due to these radio operations.

[62 FR 18874, Apr. 17, 1997]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 90.35, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at [www.fdsys.gov](http://www.fdsys.gov).

EFFECTIVE DATE NOTE: At 64 FR 36262, July 6, 1999, § 90.35 was amended by revising entries in the table in paragraph (b)(3) and by adding paragraphs (c)(80) and (c)(81), effective Aug. 5, 1999. At 64 FR 50467, Sept. 17, 1999, paragraphs (c)(80), (c)(81), and the following entries in the table in paragraph (b)(3) were stayed:

153.035 MHz through 153.4025 MHz, 153.4025 MHz through 153.4625 MHz, 153.485 MHz through 153.5225 MHz, 153.545 MHz through 153.5825 MHz, 153.605 MHz through 153.6425 MHz, 153.665 MHz through 153.6675 MHz, 158.145 MHz through 158.1825 MHz, 158.205 MHz through 158.2425 MHz, 158.265 MHz through 158.3325 MHz, 158.355 MHz through 158.3775 MHz, 158.415 MHz through 158.4375 MHz, 173.250 MHz, 173.300 MHz, 173.350 MHz, 451.175 MHz, 451.225 MHz, 451.275 MHz, 451.375 MHz, 451.425 MHz, 451.475 MHz, 451.525 MHz, 451.550 MHz, 451.575 MHz, 451.600 MHz, 451.625 MHz, 451.650 MHz, 451.675 MHz, 451.700 MHz, 451.750 MHz, 452.325 MHz, 452.375 MHz, 452.425 MHz, 452.475 MHz, 452.775 MHz, 452.825 MHz, 452.875 MHz, 456.175 MHz, 456.225 MHz, 456.275 MHz, 456.375 MHz, 456.425 MHz, 456.475 MHz, 456.525 MHz, 456.550 MHz, 456.575 MHz, 456.600 MHz, 456.625 MHz, 456.650 MHz, 456.675 MHz, 456.700 MHz, 456.750 MHz, 457.325 MHz, 457.375 MHz, 457.425 MHz, 457.475 MHz, 457.775 MHz, 457.825 MHz, 457.875 MHz, 462.475 MHz, 462.525 MHz, 467.475 MHz, and 467.525 MHz

**Subparts D–E [Reserved]**

**Subpart F—Radiolocation Service**

**§ 90.101 Scope.**

The Radiolocation Service accommodates the use of radio methods for determination of direction, distance, speed, or position for purposes other than navigation. Rules as to eligibility for licensing, permissible communications, frequency available, and any special requirements are set forth in

§ 90.103. Provisions for the Location and Monitoring Service (LMS) are contained in subpart M of this part.

[60 FR 15252, Mar. 23, 1995]

**§ 90.103 Radiolocation Service.**

(a) *Eligibility.* The following persons are eligible for authorizations in the Radiolocation Service to operate stations to determine distance, direction, speed, or position by means of radiolocation devices, for purposes other than navigation:

(1) Any person engaged in a commercial, industrial, scientific, educational, or local government activity

(2) A corporation or association that will furnish radiolocation service to other persons.

(3) A corporation that will furnish a nonprofit radio communication service to its parent corporation, to another subsidiary of the same parent, or to its own subsidiary where the party to be served is regularly engaged in any of the eligibility activities set forth in this paragraph.

(b) *Frequencies available.* The following table indicates frequencies available for assignment to stations in the Radiolocation 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:

**RADIOLOCATION SERVICE FREQUENCY TABLE**

Frequency or band	Class of station(s)	Limitation
<b>Kilohertz</b>		
70 to 90 .....	Radiolocation land or mobile.	1
90 to 110 .....	Radiolocation land .....	2
110 to 130 .....	Radiolocation land or mobile.	1
1705 to 1715 .....	.....do .....	4, 5, 6
1715 to 1750 .....	.....do .....	5, 6
1750 to 1800 .....	.....do .....	5, 6
1900 to 1950 .....	.....do .....	6, 25, 26, 27 and 28
1950 to 2000 .....	.....do .....	6, 25, 27 and 28
3230 to 3400 .....	.....do .....	6, 8
<b>Megahertz</b>		
420 to 450 .....	.....do .....	21
2450 to 2500 .....	.....do .....	9, 22, 23
2900 to 3100 .....	.....do .....	10, 11
3100 to 3300 .....	.....do .....	12
3300 to 3500 .....	.....do .....	12, 13
3500 to 3650 .....	.....do .....	12