

FEDERAL COMMUNICATIONS COMMISSION

47 CFR Part 90

[WT Docket No. 99–87; RM–9332; FCC 03–34]

Implementation of Sections 309(j) and 337 of the Communications Act of 1934 as Amended and Promotion of Spectrum Efficient Technologies on Certain Part 90 Frequencies

AGENCY: Federal Communications Commission.

ACTION: Final rule.

SUMMARY: In this document the Federal Communications Commission (FCC) amends its rules to include a long-term schedule for the migration of Private Land Mobile Radio (PLMR) systems, using frequencies in the 150–174 MHz and 421–512 MHz bands, to narrowband technology. Review of the FCC's equipment certification rules and the record revealed a slower pace to narrowband technology than is desired. Therefore, the FCC amended its rules to encourage spectral efficiency in the shared PLMR bands and to facilitate timely transition to narrowband technology in the shared PLMR bands. These amendments to the FCC's rules are intended to produce more efficient use of PLMR spectrum in the 150–174 MHz and 421–512 MHz bands.

DATES: Effective September 15, 2003.

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SUPPLEMENTARY INFORMATION: This is a summary of the FCC's *Report and Order*, FCC 03–34, adopted on February 25, 2003, and released on February 12, 2003. The full text of this document is available for inspection and copying during normal business hours in the FCC Reference Center, 445 12th Street, SW., Washington, DC 20554. The complete text may be purchased from the FCC's copy contractor, Qualex International, 445 12th Street, SW., Room CY–B402, Washington, DC 20554. The full text may also be downloaded at: www.fcc.gov. Alternative formats are available to persons with disabilities by contacting Brian Millin at (202) 418–7426 or TTY (202) 418–7365 or at bmillin@fcc.gov.

1. The major decisions adopted in the Order are as follows. The Order:

- Prohibits the filing of applications for new operations using 25 kHz

channels, beginning six months after publication of the Order in the **Federal Register**.

- Prohibits any modification applications that expand the authorized contour of an existing station if the bandwidth for transmissions specified in the modification application is greater than 12.5 kHz, beginning six months after publication of the Order in the **Federal Register**.

- Prohibits the certification of any equipment capable of operating at one voice path per 25 kHz of spectrum, *i.e.* equipment that includes a 25 kHz mode, beginning January 1, 2005.

- Prohibits the manufacture and importation of any 150–174 MHz and 421–512 MHz band equipment that can operate on a 25 kHz bandwidth, beginning January 1, 2008.

- Imposes deadlines for migration to 12.5 kHz technology for PLMRS systems operating in the 150–174 MHz and 421–512 MHz bands. The deadlines are: January 1, 2013 for non-public safety systems, and January 1, 2018 for public safety systems.

Procedural Matters

A. Regulatory Flexibility Act Analyses

2. As required by the Regulatory Flexibility Act (RFA), *see* 5 U.S.C. 604, the FCC has prepared a Final Regulatory Flexibility Analysis of the possible impact of the rule changes contained in this Order on small entities. The Final Regulatory Flexibility Act analysis is set forth further. The FCC's Consumer Information Bureau, Reference Information Center, will send a copy of this Order including the Final to the Chief Counsel for Advocacy of the Small Business Administration.

B. Paperwork Reduction Act of 1995 Analysis

3. This Order does not contain any new or modified information collection. Therefore, it is not subject to the requirements for a paperwork reduction analysis, and we have not performed one.

Final Regulatory Flexibility Analysis

4. As required by the Regulatory Flexibility Act (RFA), an Initial Regulatory Flexibility Analysis (IRFA) was incorporated in the Order in WT Docket 99–87. This present Final Regulatory Flexibility Analysis (FRFA) conforms to the RFA.

A. Reason for, and Objectives of, the Order

5. The Order adopts rules to promote the transition to narrowband technology in bands 150–174 MHz and 421–512 MHz. Specifically, the FCC amends its

rules to impose a deadline for migration to 2.5 kHz technology for non-public safety PLMRS systems operating on those bands, beginning January 1, 2013 and for public safety systems operating on those bands, beginning January 1, 2018. In addition, the FCC amends its rules to prohibit the certification of any equipment capable of operating at one voice path per 25 kHz of spectrum, *i.e.*, multi-mode equipment that includes a 25 kHz mode, beginning January 1, 2005. The FCC also prohibits the manufacture and importation of 25 kHz equipment (including multi-mode equipment that can operate on a 25 kHz bandwidth) beginning January 1, 2008. The FCC amends its rules to prohibit any applications for new operations using 25 kHz channels beginning six months after notice of the Order is published in the **Federal Register**. Further, the FCC amends its rules to prohibit any modification applications that expand the authorized contour of an existing licensee if the bandwidth subject to the modification application is greater than 12.5 kHz, beginning six months after notice of the Order is published in the **Federal Register**. These actions will effect a transition to a narrowband channel plan. The resulting gain in efficiency will ease congestion on the PLMRS channels in these bands.

B. Summary of Significant Issues Raised by Public Comments in Response to the IRFA

6. No comments or reply comments were filed in direct response to the IRFA. The FCC has, however, reviewed the general comments that may impact small businesses. Much of the potential impact on small businesses arises from the mandatory migration to 12.5 kHz technology beginning on January 1, 2013, the ban on importation and manufacture of 25 kHz equipment after January 1, 2008 and the freeze on new 25 kHz applications. The costs associated with replacement of current systems were cited in opposition to mandatory conversion proposals.

C. Description and Estimate of the Number of Small Entities to Which the Rules Apply

7. The RFA directs agencies to provide a description of and, where feasible, an estimate of the number of small entities that may be affected by the rules adopted. The RFA generally defines the term “small entity” as having the same meaning as the terms “small business,” “small organization,” and “small governmental jurisdiction.” In addition, the term “small business” has the same meaning as the term

“small business concern” under the Small Business Act. A small business concern is one which: (1) Is independently owned and operated; (2) is not dominant in its field of operation; and (3) satisfies any additional criteria established by the Small Business Administration (SBA). A small organization is generally “any not-for-profit enterprise which is independently owned and operated and is not dominant in its field.” Nationwide, as of 1992, there were approximately 275,801 small organizations.

8. The rule changes effectuated by this Order apply to licensees and applicants of private land mobile frequencies in the 150–174 MHz and 421–512 MHz bands, and to manufactures of radio equipment.

9. *Private Land Mobile Radio.* PLMR systems serve an essential role in a vast range of industrial, business, land transportation and public service activities. These radios are used by companies of all sizes that operate in all U.S. business categories. Because of the vast array of PLMR users, the FCC had not developed, nor would it be possible to develop, a definition of small entities specifically applicable to PLMR users. For the purpose of determining whether a licensee is a small business as defined by the Small Business Administration (SBA), each licensee would need to be evaluated within its own business area. The FCC’s fiscal year 1994 annual report indicates that, at the end of fiscal year 1994, there were 1,087,276 licensees operating 12,481,989 transmitters in the PLMR bands below 512 MHz. Further, because any entity engaged in a commercial activity is eligible to hold a PLMR license, these rules could potentially impact every small business in the U.S.

10. *Public Safety.* Public safety radio services include police, fire, local governments, forestry conservation, highway maintenance, and emergency medical services. The SBA rules contain a definition for small radiotelephone (wireless) companies, which encompass business entities engaged in radiotelephone communications employing no more than 1,500 persons. There are a total of approximately 127,540 licensees within these services. Governmental entities as well as private businesses comprise the licensees for these services. The RFA also includes small governmental entities as a part of the regulatory flexibility analysis. “Small governmental jurisdiction” generally means “governments of cities, counties, towns, townships, villages, school districts, or special districts, with a population of less than 50,000.” As of 1992, there were approximately 85,006

such jurisdictions in the United States. This number includes 38,978 counties, cities and towns; of these, 37,566, or 96 percent, have populations of fewer than 50,000. The Census Bureau estimates that this ratio is approximately accurate for all governmental entities. Thus, of the 85,006 governmental entities, the FCC estimates that 81,600 (96 percent) are small entities.

11. *Equipment Manufacturers.* We anticipate that at least six radio equipment manufacturers will be affected by our decisions in this proceeding. According to the SBA’s regulations, a radio and television broadcasting and communications equipment manufacturer must have 750 or fewer employees in order to qualify as a small business concern. Census Bureau data indicate that there are 858 U.S. firms that manufacture radio and television broadcasting and communications equipment, and that 778 of these firms have fewer than 750 employees and would therefore be classified as small entities.

D. Description of Projected Reporting, Recordkeeping and Other Compliance Requirements

12. This Order adopts rules to promote the transition to narrowband technology for private land mobile licensees, in the 150–174 MHz and 421–512 MHz bands. In particular, applications for operations on 25 kHz equipment will no longer be accepted six months after publication of this item in the **Federal Register**. Additionally, modification applications that expand the authorized contour of an existing licensee if the bandwidth subject to the modification application is greater than 12.5 kHz will be prohibited beginning six months after publication of this item in the **Federal Register**. On January 1, 2005, certification will not be afforded any equipment capable of operating at one voice path per 25 kHz of spectrum. Further, this Order amends the FCC’s current rules to prohibit the importation or manufacture of 25 kHz-only equipment beginning on January 1, 2008. All equipment utilized in non-public safety systems on or after January 1, 2018 must utilize a maximum channel bandwidth of 12.5 kHz. Lastly, all equipment utilized in public safety systems on or after January 1, 2018 must utilize a maximum channel bandwidth of 12.5 kHz.

E. Steps Taken To Minimize Significant Economic Impact on Small Entities and Significant Alternatives Considered

13. The RFA requires an agency to describe any significant alternatives that it has considered in reaching its

proposed approach, which may include the following four alternatives (among others): (1) The establishment of differing compliance or reporting requirements or timetables that take into account the resources available to small entities; (2) the clarification, consolidation, or simplification of compliance or reporting requirements under the rule for small entities; (3) the use of performance, rather than design, standards; and (4) an exemption from coverage of the rule, or any part thereof, for small entities.

14. The FCC adopted rules in this Order upon consideration of the economic burden on small businesses. For instance, many commenters supported adoption of rules that would require conversion to 12.5 kHz equipment as early as January 1, 2005. Such a proposal fails to give any consideration to the amortization and life-span of current equipment and the resources available to small entities. Rather than require small business licensees to convert its system to 12.5 kHz or equivalent technology beginning on January 1, 2005, the FCC delays mandatory migration to 12.5 kHz or equivalent technology until January 1, 2013 for non-public safety PLMR systems and until January 1, 2018 for public safety systems. Similarly, the rule changes permit modification to existing licensees, while the comments did not reflect such a consideration. The Order rejected a phased approach that would have burdened licensees to determine which market and which date applied to them. Although the FCC also takes intermediary steps to promote migration to 12.5 kHz equipment, it notes that none of the intermediary steps require the incumbent to immediately cease use of 25 kHz equipment. Exemption from coverage of the rule changes for small businesses would frustrate the purpose of the rule, *i.e.*, migration to more efficient spectrum use, and facilitate continued inefficient use of spectrum.

15. *Report to Congress:* The FCC will send a copy of this Order, including this FRFA, in a report to be sent to Congress pursuant to the Small Business Regulatory Enforcement Fairness Act of 1996, *see* 5 U.S.C. 801(a)(1)(A). In addition, the FCC will send another copy of the Order, including the FRFA, to the Chief Counsel for Advocacy of the Small Business Administration. A copy of the Order and FRFA (or summaries thereof) will also be published in the **Federal Register**. *See* 5 U.S.C. 604(b).

Ordering Clauses

16. Accordingly, pursuant to sections 1, 2, 4(i), 5(c), 7(a), 11(b), 301, 302, 303,

307, 308, 309(j), 310, 312a, 316, 319, 323, 324, 332, 333, 336, 337, and 351 of the Communications Act of 1934, as amended, 47 U.S.C. 151, 152, 154(i), 155(c), 157(a), 161(b), 301, 302, 303, 307, 308, 309(j), 310, 312a, 316, 319, 323, 324, 332, 333, 336, 337, and 351, the Balanced Budget Act of 1997, Public Law Number 105–33, Title III, 111 Stat. 251 (1997), and §§ 1.421 and 1.425 of the FCC's rules, 47 CFR 1.421 and 1.425, it is ordered that the *Second Report and Order* is hereby adopted.

17. It is further ordered that part 90 of the FCC's rule is amended as set forth in the rule changes, and that these rules shall be effective September 15, 2003.

18. The Motion to Accept Supplemental Comments submitted by

Industrial Telecommunications Association, Inc. is granted.

List of Subjects in 47 CFR Part 90

Communications equipment, Radio, Reporting and recordkeeping requirements.

Federal Communications Commission.

Marlene H. Dortch,
Secretary.

Rule Changes

■ For the reasons discussed in the preamble the FCC proposes to amend 47 CFR part 90 as follows:

PART 90—PRIVATE LAND MOBILE RADIO SERVICES

■ The authority citation for part 90 continues to read as follows:

Authority: Sections 4(i), 11, 303(g), 303(r) and 332(c)(7) of the Communications Act of 1934, as amended, 47 U.S.C. 154(i), 161, 303(g), 303(r), 332(c)(7).

■ 1. Section 90.20 is amended by removing limitation 27 in the table of paragraph (c)(3) from the following frequencies and by revising paragraphs (d)(27) and (d)(30) to read as follows:

§ 90.20 Public Safety Pool.

* * * * *

(c) * * *

(3) * * *

PUBLIC SAFETY POOL FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations	Coordinator
* * *	* * *	* * *	* * *
150.7825do	do	do	PM
* * *	* * *	* * *	* * *
151.0025do	do	28	PH
* * *	* * *	* * *	* * *
151.0175do	do	28	PH
* * *	* * *	* * *	* * *
151.0325do	do	28	PH
* * *	* * *	* * *	* * *
151.0475do	do	28	PH
* * *	* * *	* * *	* * *
151.0625do	do	28	PH
* * *	* * *	* * *	* * *
151.0775do	do	28	PH
* * *	* * *	* * *	* * *
151.0925do	do	28	PH
* * *	* * *	* * *	* * *
151.1075do	do	28	PH
* * *	* * *	* * *	* * *
151.1225do	do	28	PH
* * *	* * *	* * *	* * *
151.1375do	do	28, 80	PH
* * *	* * *	* * *	* * *
151.1525do	do	28	PO
* * *	* * *	* * *	* * *
151.1675do	do	28	PO
* * *	* * *	* * *	* * *
151.1825do	do	28	PO
* * *	* * *	* * *	* * *
151.1975do	do	28	PO
* * *	* * *	* * *	* * *
151.2125do	do	28	PO
* * *	* * *	* * *	* * *
151.2275do	do	28	PO
* * *	* * *	* * *	* * *
151.2425do	do	28	PO
* * *	* * *	* * *	* * *
151.2575do	do	28	PO
* * *	* * *	* * *	* * *
151.2725do	do	28	PO
* * *	* * *	* * *	* * *
151.2875do	do	28	PO
* * *	* * *	* * *	* * *
151.3025do	do	28	PO
* * *	* * *	* * *	* * *
151.3175do	do	28	PO
* * *	* * *	* * *	* * *
151.3325do	do	28	PO
* * *	* * *	* * *	* * *
151.3475do	do	28	PO

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
* * * * *	* * * * *	* * * * *	* * * * *
151.3625do	do	28	PO
* * * * *	* * * * *	* * * * *	* * * * *
151.3775do	do	28	PO
* * * * *	* * * * *	* * * * *	* * * * *
151.3925do	do	28	PO
* * * * *	* * * * *	* * * * *	* * * * *
151.4075do	do	28	PO
* * * * *	* * * * *	* * * * *	* * * * *
151.4225do	do	28	PO
* * * * *	* * * * *	* * * * *	* * * * *
151.4375do	do	28	PO
* * * * *	* * * * *	* * * * *	* * * * *
151.4525do	do	28	PO
* * * * *	* * * * *	* * * * *	* * * * *
151.4675do	do	28	PO
* * * * *	* * * * *	* * * * *	* * * * *
151.4825do	do	28	PO
* * * * *	* * * * *	* * * * *	* * * * *
151.4975do	do	7, 28	PO
* * * * *	* * * * *	* * * * *	* * * * *
153.7475do	do	do	PX
* * * * *	* * * * *	* * * * *	* * * * *
153.7625do	do	do	PX
* * * * *	* * * * *	* * * * *	* * * * *
153.7775do	do	do	PF
* * * * *	* * * * *	* * * * *	* * * * *
153.7925do	do	do	PX
* * * * *	* * * * *	* * * * *	* * * * *
153.8075do	do	do	PX
* * * * *	* * * * *	* * * * *	* * * * *
153.8225do	do	do	PX
* * * * *	* * * * *	* * * * *	* * * * *
153.8375do	do	31	PF
* * * * *	* * * * *	* * * * *	* * * * *
153.8525do	do	do	PX
* * * * *	* * * * *	* * * * *	* * * * *
153.8675do	do	do	PX
* * * * *	* * * * *	* * * * *	* * * * *
153.8825do	do	do	PX
* * * * *	* * * * *	* * * * *	* * * * *
153.8975do	do	do	PX
* * * * *	* * * * *	* * * * *	* * * * *
153.9125do	do	do	PX
* * * * *	* * * * *	* * * * *	* * * * *
153.9275do	do	do	PX
* * * * *	* * * * *	* * * * *	* * * * *
153.9425do	do	do	PX
* * * * *	* * * * *	* * * * *	* * * * *
153.9575do	do	do	PF
* * * * *	* * * * *	* * * * *	* * * * *
153.9725do	do	do	PX
* * * * *	* * * * *	* * * * *	* * * * *
153.9875do	do	do	PX
* * * * *	* * * * *	* * * * *	* * * * *
154.0025do	do	do	PX
* * * * *	* * * * *	* * * * *	* * * * *
154.0175do	do	do	PX
* * * * *	* * * * *	* * * * *	* * * * *
154.0325do	do	do	PX
* * * * *	* * * * *	* * * * *	* * * * *
154.0475do	do	28	PX
* * * * *	* * * * *	* * * * *	* * * * *
154.0625do	do	28	PX
* * * * *	* * * * *	* * * * *	* * * * *
154.0775do	do	28	PF
* * * * *	* * * * *	* * * * *	* * * * *
154.0925do	do	28	PX
* * * * *	* * * * *	* * * * *	* * * * *
154.1075do	do	28	PX
* * * * *	* * * * *	* * * * *	* * * * *
154.1225do	do	28	PX

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
* * * * *	* * * * *	* * * * *	*
154.1375do	do	28	PF
* * * * *	* * * * *	* * * * *	*
154.1525do	do	28	PF
* * * * *	* * * * *	* * * * *	*
154.1675do	do	28	PF
* * * * *	* * * * *	* * * * *	*
154.1825do	do	28	PF
* * * * *	* * * * *	* * * * *	*
154.1975do	do	28	PF
* * * * *	* * * * *	* * * * *	*
154.2125do	do	28	PF
* * * * *	* * * * *	* * * * *	*
154.2275do	do	28	PF
* * * * *	* * * * *	* * * * *	*
154.2425do	do	28	PF
* * * * *	* * * * *	* * * * *	*
154.2575do	do	28	PF
* * * * *	* * * * *	* * * * *	*
154.2725do	do	19, 28	PF
* * * * *	* * * * *	* * * * *	*
154.2875do	do	19, 28	PF
* * * * *	* * * * *	* * * * *	*
154.3025do	do	19, 28	PF
* * * * *	* * * * *	* * * * *	*
154.3175do	do	28	PF
* * * * *	* * * * *	* * * * *	*
154.3325do	do	28	PF
* * * * *	* * * * *	* * * * *	*
154.3475do	do	28	PF
* * * * *	* * * * *	* * * * *	*
154.3625do	do	28	PF
* * * * *	* * * * *	* * * * *	*
154.3775do	do	28	PF
* * * * *	* * * * *	* * * * *	*
154.3925do	do	28	PF
* * * * *	* * * * *	* * * * *	*
154.4075do	do	28	PF
* * * * *	* * * * *	* * * * *	*
154.4225do	do	28	PF
* * * * *	* * * * *	* * * * *	*
154.4375do	do	28	PF
* * * * *	* * * * *	* * * * *	*
154.4525do	do	28, 80	PF
* * * * *	* * * * *	* * * * *	*
154.6575do	do	do	PP
* * * * *	* * * * *	* * * * *	*
154.6725do	do	16	PP
* * * * *	* * * * *	* * * * *	*
154.6875do	do	16	PP
* * * * *	* * * * *	* * * * *	*
154.7025do	do	16	PP
* * * * *	* * * * *	* * * * *	*
154.7175do	do	do	PP
* * * * *	* * * * *	* * * * *	*
154.7325do	do	do	PP
* * * * *	* * * * *	* * * * *	*
154.7475do	do	do	PP
* * * * *	* * * * *	* * * * *	*
154.7625do	do	do	PP
* * * * *	* * * * *	* * * * *	*
154.7775do	do	do	PP
* * * * *	* * * * *	* * * * *	*
154.7925do	do	do	PP
* * * * *	* * * * *	* * * * *	*
154.8075do	do	do	PP
* * * * *	* * * * *	* * * * *	*
154.8225do	do	do	PP
* * * * *	* * * * *	* * * * *	*
154.8375do	do	do	PP
* * * * *	* * * * *	* * * * *	*
154.8525do	do	do	PP

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
* * * * *	* * * * *	* * * * *	* * * * *
154.8675do	do	do	PP *
* * * * *	* * * * *	* * * * *	* * * * *
154.8825do	do	do	PP *
* * * * *	* * * * *	* * * * *	* * * * *
154.8975do	do	do	PP *
* * * * *	* * * * *	* * * * *	* * * * *
154.9125do	do	16do	PP *
* * * * *	* * * * *	* * * * *	* * * * *
154.9275do	do	16do	PP *
* * * * *	* * * * *	* * * * *	* * * * *
154.9425do	do	16do	PP *
* * * * *	* * * * *	* * * * *	* * * * *
154.9575do	do	do	PP *
* * * * *	* * * * *	* * * * *	* * * * *
154.9725do	do	do	PX *
* * * * *	* * * * *	* * * * *	* * * * *
154.9875do	do	do	PX *
* * * * *	* * * * *	* * * * *	* * * * *
155.0025do	do	do	PX *
* * * * *	* * * * *	* * * * *	* * * * *
155.0175do	do	do	PP *
* * * * *	* * * * *	* * * * *	* * * * *
155.0325do	do	do	PX *
* * * * *	* * * * *	* * * * *	* * * * *
155.0475do	do	do	PX *
* * * * *	* * * * *	* * * * *	* * * * *
155.0625do	do	do	PX *
* * * * *	* * * * *	* * * * *	* * * * *
155.0775do	do	do	PP *
* * * * *	* * * * *	* * * * *	* * * * *
155.0925do	do	do	PX *
* * * * *	* * * * *	* * * * *	* * * * *
155.1075do	do	do	PX *
* * * * *	* * * * *	* * * * *	* * * * *
155.1225do	do	do	PX *
* * * * *	* * * * *	* * * * *	* * * * *
155.1375do	do	do	PP *
* * * * *	* * * * *	* * * * *	* * * * *
155.1525do	do	do	PX *
* * * * *	* * * * *	* * * * *	* * * * *
155.1675do	do	10do	PS *
* * * * *	* * * * *	* * * * *	* * * * *
155.1825do	do	10do	PS *
* * * * *	* * * * *	* * * * *	* * * * *
155.1975do	do	do	PP *
* * * * *	* * * * *	* * * * *	* * * * *
155.2125do	do	10do	PS *
* * * * *	* * * * *	* * * * *	* * * * *
155.2275do	do	10do	PS *
* * * * *	* * * * *	* * * * *	* * * * *
155.2425do	do	10do	PS *
* * * * *	* * * * *	* * * * *	* * * * *
155.2575do	do	do	PP *
* * * * *	* * * * *	* * * * *	* * * * *
155.2725do	do	10do	PS *
* * * * *	* * * * *	* * * * *	* * * * *
155.2875do	do	10do	PS *
* * * * *	* * * * *	* * * * *	* * * * *
155.3025do	do	10do	PS *
* * * * *	* * * * *	* * * * *	* * * * *
155.3175do	do	do	PP *
* * * * *	* * * * *	* * * * *	* * * * *
155.3325do	do	38, 39do	PM *
* * * * *	* * * * *	* * * * *	* * * * *
155.3475do	do	39, 40do	PM *
* * * * *	* * * * *	* * * * *	* * * * *
155.3625do	do	38, 39do	PM *
* * * * *	* * * * *	* * * * *	* * * * *
155.3775do	do	do	PP *
* * * * *	* * * * *	* * * * *	* * * * *
155.3925do	do	38, 39do	PM

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
* * * * *	* * * * *	* * * * *	* * * * *
155.4075do	do	38, 39	PM
* * * * *	* * * * *	* * * * *	* * * * *
155.4225do	do		PP
* * * * *	* * * * *	* * * * *	* * * * *
155.4375do	do		PP
* * * * *	* * * * *	* * * * *	* * * * *
155.4525do	do	16	PP
* * * * *	* * * * *	* * * * *	* * * * *
155.4675do	do	16	PP
* * * * *	* * * * *	* * * * *	* * * * *
155.4825do	do	41	PP
* * * * *	* * * * *	* * * * *	* * * * *
155.4975do	do		PP
* * * * *	* * * * *	* * * * *	* * * * *
155.5125do	do	16	PP
* * * * *	* * * * *	* * * * *	* * * * *
155.5275dof	dof		PP
* * * * *	* * * * *	* * * * *	* * * * *
155.5425do	do		PP
* * * * *	* * * * *	* * * * *	* * * * *
155.5575do	do		PP
* * * * *	* * * * *	* * * * *	* * * * *
155.5725do	do		PP
* * * * *	* * * * *	* * * * *	* * * * *
155.5875do	do		PP
* * * * *	* * * * *	* * * * *	* * * * *
155.6025do	do		PP
* * * * *	* * * * *	* * * * *	* * * * *
155.6175do	do		PP
* * * * *	* * * * *	* * * * *	* * * * *
155.6325do	do		PP
* * * * *	* * * * *	* * * * *	* * * * *
155.6475do	do		PP
* * * * *	* * * * *	* * * * *	* * * * *
155.6625do	do		PP
* * * * *	* * * * *	* * * * *	* * * * *
155.6775do	do		PP
* * * * *	* * * * *	* * * * *	* * * * *
155.6925do	do		PP
* * * * *	* * * * *	* * * * *	* * * * *
155.7075do	do		PP
* * * * *	* * * * *	* * * * *	* * * * *
155.7225do	do		PX
* * * * *	* * * * *	* * * * *	* * * * *
155.7375do	do		PP
* * * * *	* * * * *	* * * * *	* * * * *
155.7525do	do	80, 83	PX
* * * * *	* * * * *	* * * * *	* * * * *
155.7675do	do		PX
* * * * *	* * * * *	* * * * *	* * * * *
155.7825do	do		PX
* * * * *	* * * * *	* * * * *	* * * * *
155.7975do	do		PP
* * * * *	* * * * *	* * * * *	* * * * *
155.8125do	do		PX
* * * * *	* * * * *	* * * * *	* * * * *
155.8275do	do		PX
* * * * *	* * * * *	* * * * *	* * * * *
155.8425do	do		PX
* * * * *	* * * * *	* * * * *	* * * * *
155.8575do	do		PP
* * * * *	* * * * *	* * * * *	* * * * *
155.8725do	do		PX
* * * * *	* * * * *	* * * * *	* * * * *
155.8875do	do		PX
* * * * *	* * * * *	* * * * *	* * * * *
155.9025do	do		PX
* * * * *	* * * * *	* * * * *	* * * * *
155.9175do	do		PP
* * * * *	* * * * *	* * * * *	* * * * *
155.9325do	do		PX

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
* * * * *	* * * * *	* * * * *	*
155.9475do	do	do	PX *
* * * * *	* * * * *	* * * * *	*
155.9625do	do	do	PX *
* * * * *	* * * * *	* * * * *	*
155.9775do	do	do	PP *
* * * * *	* * * * *	* * * * *	*
155.9925do	do	do	PX *
* * * * *	* * * * *	* * * * *	*
156.0075do	do	do	PX *
* * * * *	* * * * *	* * * * *	*
156.0225do	do	do	PX *
* * * * *	* * * * *	* * * * *	*
156.0375do	do	do	PP *
* * * * *	* * * * *	* * * * *	*
156.0525do	do	do	PH *
* * * * *	* * * * *	* * * * *	*
156.0675do	do	do	PH *
* * * * *	* * * * *	* * * * *	*
156.0825do	do	do	PH *
* * * * *	* * * * *	* * * * *	*
156.0975do	do	do	PP *
* * * * *	* * * * *	* * * * *	*
156.1125do	do	do	PH *
* * * * *	* * * * *	* * * * *	*
156.1275do	do	do	PH *
* * * * *	* * * * *	* * * * *	*
156.1425do	do	do	PH *
* * * * *	* * * * *	* * * * *	*
156.1575do	do	do	PP *
* * * * *	* * * * *	* * * * *	*
156.1725do	do	do	PH *
* * * * *	* * * * *	* * * * *	*
156.1875do	do	do	PH *
* * * * *	* * * * *	* * * * *	*
156.2025do	do	do	PH *
* * * * *	* * * * *	* * * * *	*
156.2175do	do	do	PP *
* * * * *	* * * * *	* * * * *	*
156.2325do	do	do	PH *
* * * * *	* * * * *	* * * * *	*
158.7375do	do	do	PP *
* * * * *	* * * * *	* * * * *	*
158.7525do	do	do	PX *
* * * * *	* * * * *	* * * * *	*
158.7675do	do	do	PX *
* * * * *	* * * * *	* * * * *	*
158.7825do	do	do	PX *
* * * * *	* * * * *	* * * * *	*
158.7975do	do	do	PP *
* * * * *	* * * * *	* * * * *	*
158.8125do	do	do	PX *
* * * * *	* * * * *	* * * * *	*
158.8275do	do	do	PX *
* * * * *	* * * * *	* * * * *	*
158.8425do	do	do	PX *
* * * * *	* * * * *	* * * * *	*
158.8575do	do	do	PP *
* * * * *	* * * * *	* * * * *	*
158.8725do	do	do	PX *
* * * * *	* * * * *	* * * * *	*
158.8875do	do	do	PX *
* * * * *	* * * * *	* * * * *	*
158.9025do	do	do	PX *
* * * * *	* * * * *	* * * * *	*
158.9175do	do	do	PP *
* * * * *	* * * * *	* * * * *	*
158.9325do	do	do	PX *
* * * * *	* * * * *	* * * * *	*
158.9475do	do	do	PX *
* * * * *	* * * * *	* * * * *	*
158.9625do	do	do	PX

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
* * * * *	* * * * *	* * * * *	*
158.9775do	do	do	PP
* * * * *	* * * * *	* * * * *	*
158.9925do	do	do	PH
* * * * *	* * * * *	* * * * *	*
159.0075do	do	do	PH
* * * * *	* * * * *	* * * * *	*
159.0225do	do	do	PH
* * * * *	* * * * *	* * * * *	*
159.0375do	do	do	PP
* * * * *	* * * * *	* * * * *	*
159.0525do	do	do	PH
* * * * *	* * * * *	* * * * *	*
159.0675do	do	do	PH
* * * * *	* * * * *	* * * * *	*
159.0825do	do	do	PH
* * * * *	* * * * *	* * * * *	*
159.0975do	do	do	PP
* * * * *	* * * * *	* * * * *	*
159.1125do	do	43do	PH
* * * * *	* * * * *	* * * * *	*
159.1275do	do	43do	PH
* * * * *	* * * * *	* * * * *	*
159.1425do	do	43do	PH
* * * * *	* * * * *	* * * * *	*
159.1575do	do	do	PP
* * * * *	* * * * *	* * * * *	*
159.1725do	do	43do	PH
* * * * *	* * * * *	* * * * *	*
159.1875do	do	do	PH
* * * * *	* * * * *	* * * * *	*
159.2025do	do	do	PH
* * * * *	* * * * *	* * * * *	*
159.2175do	do	do	PP
* * * * *	* * * * *	* * * * *	*
159.2325do	do	do	PO
* * * * *	* * * * *	* * * * *	*
159.2475do	do	46do	PO
* * * * *	* * * * *	* * * * *	*
159.2625do	do	46do	PO
* * * * *	* * * * *	* * * * *	*
159.2775do	do	46do	PO
* * * * *	* * * * *	* * * * *	*
159.2925do	do	46do	PO
* * * * *	* * * * *	* * * * *	*
159.3075do	do	46do	PO
* * * * *	* * * * *	* * * * *	*
159.3225do	do	46do	PO
* * * * *	* * * * *	* * * * *	*
159.3375do	do	46do	PO
* * * * *	* * * * *	* * * * *	*
159.3525do	do	46do	PO
* * * * *	* * * * *	* * * * *	*
159.3675do	do	46do	PO
* * * * *	* * * * *	* * * * *	*
159.3825do	do	46do	PO
* * * * *	* * * * *	* * * * *	*
159.3975do	do	46do	PO
* * * * *	* * * * *	* * * * *	*
159.4125do	do	46do	PO
* * * * *	* * * * *	* * * * *	*
159.4275do	do	46do	PO
* * * * *	* * * * *	* * * * *	*
159.4425do	do	46do	PO
* * * * *	* * * * *	* * * * *	*
159.4575do	do	do	PO
* * * * *	* * * * *	* * * * *	*
159.4725do	do	80do	PO
* * * * *	* * * * *	* * * * *	*

* * * * *

(d) * * *

(27) In the 450–470 MHz band, secondary telemetry operations pursuant to § 90.238(e) will be authorized on this frequency.

* * * * *

(30) This frequency will be authorized a channel bandwidth of 25 kHz notwithstanding §§ 90.203 and 90.209.

■ 2. Section 90.35 is amended by removing limitation 30 in the table of paragraph (b)(3) from the following frequencies, by adding in numerical order the following frequencies 151.820,

151.880 and 151.940 and by revising paragraphs (c)(29) and (c)(30) to read as follows:

§ 90.35 Industrial/Business Pool.

* * * * *

(b) * * *

(3) * * *

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations	Coordinator
* * * * *	* * * * *	* * * * *	* * * * *
150.8525	do		LA *
150.8675	do		LA *
150.8825	do		LA *
150.8975	do		LA *
150.9425	do		LA *
150.9575	do		LA *
150.9725	do		LA *
150.9875	do	8	IP *
151.0025	do	31.	* *
151.0175	do	31.	* *
151.0325	do	31.	* *
151.0475	do	31.	* *
151.0925	do	31.	* *
151.1075	do	31.	* *
151.1225	do	31.	* *
151.1375	do	31.	* *
151.1525	do	31.	* *
151.1675	do	31.	* *
151.2125	do	31.	* *
151.2275	do	31.	* *
151.2425	do	31.	* *
151.2575	do	31.	* *
151.2725	do	31.	* *
151.2875	do	31.	* *
151.3325	do	31.	* *
151.3475	do	31.	* *
151.3625	do	31.	* *
151.3775	do	31.	* *
151.3925	do	31.	* *
151.4075	do	31.	* *
151.4225	do	31.	* *

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
* * * * *	* * * * *	* * * * *	* * * * *
151.4375do	31.		
* * * * *	* * * * *	* * * * *	* * * * *
151.4525do	31.		
* * * * *	* * * * *	* * * * *	* * * * *
151.4675do	31.		
* * * * *	* * * * *	* * * * *	* * * * *
151.4825do	31.		
* * * * *	* * * * *	* * * * *	* * * * *
151.4975do	32.		
* * * * *	* * * * *	* * * * *	* * * * *
151.5125do	17.		
* * * * *	* * * * *	* * * * *	* * * * *
151.5275do			
* * * * *	* * * * *	* * * * *	* * * * *
151.5425do			
* * * * *	* * * * *	* * * * *	* * * * *
151.5575do			
* * * * *	* * * * *	* * * * *	* * * * *
151.5725do			
* * * * *	* * * * *	* * * * *	* * * * *
151.5875do			
* * * * *	* * * * *	* * * * *	* * * * *
151.6025do			
* * * * *	* * * * *	* * * * *	* * * * *
151.6475do			
* * * * *	* * * * *	* * * * *	* * * * *
151.6625do			
* * * * *	* * * * *	* * * * *	* * * * *
151.670do			
* * * * *	* * * * *	* * * * *	* * * * *
151.6775do			
* * * * *	* * * * *	* * * * *	* * * * *
151.700do	10, 34.		
* * * * *	* * * * *	* * * * *	* * * * *
151.7225do			
151.730do			
151.7375do			
* * * * *	* * * * *	* * * * *	* * * * *
151.760do			
* * * * *	* * * * *	* * * * *	* * * * *
151.7825do			
151.790do			
151.7975do			
* * * * *	* * * * *	* * * * *	* * * * *
151.820do	12, 14, 35		
* * * * *	* * * * *	* * * * *	* * * * *
151.8425do			
151.850do			
151.8575do			
* * * * *	* * * * *	* * * * *	* * * * *
151.880do	12, 14, 35		
* * * * *	* * * * *	* * * * *	* * * * *
151.9025do			
151.910do			
151.9175do			
* * * * *	* * * * *	* * * * *	* * * * *
151.940do	12, 14, 35		
* * * * *	* * * * *	* * * * *	* * * * *
151.9625do			
151.970do			
151.9775do			
* * * * *	* * * * *	* * * * *	* * * * *
151.2775do			
* * * * *	* * * * *	* * * * *	* * * * *
151.2925do			
* * * * *	* * * * *	* * * * *	* * * * *
152.3075do			
* * * * *	* * * * *	* * * * *	* * * * *
152.3225do			
* * * * *	* * * * *	* * * * *	* * * * *
152.3375do			
* * * * *	* * * * *	* * * * *	* * * * *
152.3525do	6.		

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
* * * * *	* * * * *	* * * * *	*
152.3675do	do	6.	*
* * * * *	* * * * *	* * * * *	*
152.3825do	do	6.	*
* * * * *	* * * * *	* * * * *	*
152.3975do	do	6.	*
* * * * *	* * * * *	* * * * *	*
152.4125do	do	6.	*
* * * * *	* * * * *	* * * * *	*
152.4275do	do	6.	*
* * * * *	* * * * *	* * * * *	*
152.4425do	do	6.	*
* * * * *	* * * * *	* * * * *	*
152.4575do	do	6.	*
* * * * *	* * * * *	* * * * *	*
152.8775do	do	* * * * *	*
* * * * *	* * * * *	* * * * *	*
152.8925do	do	* * * * *	*
* * * * *	* * * * *	* * * * *	*
152.9075do	do	* * * * *	*
* * * * *	* * * * *	* * * * *	*
152.9225do	do	* * * * *	*
* * * * *	* * * * *	* * * * *	*
152.9375do	do	* * * * *	*
* * * * *	* * * * *	* * * * *	*
152.9525do	do	* * * * *	*
* * * * *	* * * * *	* * * * *	*
152.9675do	do	* * * * *	*
* * * * *	* * * * *	* * * * *	*
152.9825do	do	* * * * *	*
* * * * *	* * * * *	* * * * *	*
152.9975do	do	* * * * *	*
* * * * *	* * * * *	* * * * *	*
153.0125do	do	* * * * *	*
* * * * *	* * * * *	* * * * *	*
153.0275do	do	* * * * *	*
* * * * *	* * * * *	* * * * *	*
153.0425do	do	* * * * *	*
* * * * *	* * * * *	* * * * *	*
153.0575do	do	4, 7	IP
* * * * *	* * * * *	* * * * *	*
153.0725do	do	* * * * *	IP
* * * * *	* * * * *	* * * * *	*
153.0875do	do	4, 7	IP
* * * * *	* * * * *	* * * * *	*
153.1025do	do	80	IP
* * * * *	* * * * *	* * * * *	*
153.1175do	do	4, 7	IP
* * * * *	* * * * *	* * * * *	*
153.1325do	do	* * * * *	IP
* * * * *	* * * * *	* * * * *	*
153.1475do	do	4, 7	IP
* * * * *	* * * * *	* * * * *	*
153.1625do	do	* * * * *	IP
* * * * *	* * * * *	* * * * *	*
153.1775do	do	4, 7	IP
* * * * *	* * * * *	* * * * *	*
153.1925do	do	* * * * *	IP
* * * * *	* * * * *	* * * * *	*
153.2075do	do	4, 7	IP
* * * * *	* * * * *	* * * * *	*
153.2225do	do	* * * * *	IP
* * * * *	* * * * *	* * * * *	*
153.2375do	do	4, 7	IP
* * * * *	* * * * *	* * * * *	*
153.2525do	do	* * * * *	IP
* * * * *	* * * * *	* * * * *	*
153.2675do	do	4, 7	IP
* * * * *	* * * * *	* * * * *	*
153.2825do	do	* * * * *	IP
* * * * *	* * * * *	* * * * *	*
153.2975do	do	4, 7	IP

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
* * *	* * *	* *	*
153.3125do	do	do	IP
* * *	* * *	* *	*
153.3275do	do	4, 7	IP
* * *	* * *	* *	*
153.3425do	do	do	IP
* * *	* * *	* *	*
153.3575do	do	4, 7	IP
* * *	* * *	* *	*
153.3725do	do	do	IP
* * *	* * *	* *	*
153.3875do	do	do	IP
* * *	* * *	* *	*
153.4025do	do	do	IP
* * *	* * *	* *	*
153.4175do	do	do	IW
* * *	* * *	* *	*
153.4325do	do	80	IP, IW
* * *	* * *	* *	*
153.4475do	do	80	IP, IW
* * *	* * *	* *	*
153.4625do	do	80	IP, IW
* * *	* * *	* *	*
153.4775do	do	do	IW
* * *	* * *	* *	*
153.4925do	do	80	IP, IW
* * *	* * *	* *	*
153.5075do	do	80	IP, IW
* * *	* * *	* *	*
153.5225do	do	80	IP, IW
* * *	* * *	* *	*
153.5375do	do	do	IW
* * *	* * *	* *	*
153.5525do	do	80	IP, IW
* * *	* * *	* *	*
153.5675do	do	80	IP, IW
* * *	* * *	* *	*
153.5825do	do	80	IP, IW
* * *	* * *	* *	*
153.5975do	do	do	IW
* * *	* * *	* *	*
153.6125do	do	80	IP, IW
* * *	* * *	* *	*
153.6275do	do	80	IP, IW
* * *	* * *	* *	*
153.6425do	do	80	IP, IW
* * *	* * *	* *	*
153.6575do	do	do	IW
* * *	* * *	* *	*
153.6725do	do	80	IP, IW
* * *	* * *	* *	*
153.6875do	do	80	IP, IW
* * *	* * *	* *	*
153.7025do	do	do	IW
* * *	* * *	* *	*
153.7175do	do	do	IW
* * *	* * *	* *	*
153.7325do	do	do	IW
* * *	* * *	* *	*
154.4825do	Base or Mobile	do	*
* * *	* * *	* *	*
154.4975do	do	do	*
154.505do	do	do	*
* * *	* * *	* *	*
154.5275do	Mobile	10, 34.	*
* * *	* * *	* *	*
154.5475do	do	do	*
* * *	* * *	* *	*
154.640do	Base	36, 37, 48.	*
* * *	* * *	* *	*
157.4775do	do	12	LA
* * *	* * *	* *	*
157.4925do	do	12	LA

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
* * * * *	* * * * *	* * * * *	* * * * *
157.5075do	12	LA	*
* * * * *	* * * * *	* * * * *	* * * * *
157.5225do	12	LA	*
* * * * *	* * * * *	* * * * *	* * * * *
157.5375do	6.	*	*
* * * * *	* * * * *	* * * * *	* * * * *
157.5525do	6.	*	*
* * * * *	* * * * *	* * * * *	* * * * *
157.5675do	6.	*	*
* * * * *	* * * * *	* * * * *	* * * * *
157.5825do	6.	*	*
* * * * *	* * * * *	* * * * *	* * * * *
157.5975do	6.	*	*
* * * * *	* * * * *	* * * * *	* * * * *
157.6125do	6.	*	*
* * * * *	* * * * *	* * * * *	* * * * *
157.6275do	6.	*	*
* * * * *	* * * * *	* * * * *	* * * * *
157.6425do	6.	*	*
* * * * *	* * * * *	* * * * *	* * * * *
157.6575do	6.	*	*
* * * * *	* * * * *	* * * * *	* * * * *
157.6725do	6.	*	*
* * * * *	* * * * *	* * * * *	* * * * *
157.6875do	6.	*	*
* * * * *	* * * * *	* * * * *	* * * * *
157.7025do	6.	*	*
* * * * *	* * * * *	* * * * *	* * * * *
157.7175do	6.	*	*
* * * * *	* * * * *	* * * * *	* * * * *
158.1375do		IW	*
* * * * *	* * * * *	* * * * *	* * * * *
158.1525do		IP, IW	*
* * * * *	* * * * *	* * * * *	* * * * *
158.1675do		IP, IW	*
* * * * *	* * * * *	* * * * *	* * * * *
158.1825do	81	IP, IW	*
* * * * *	* * * * *	* * * * *	* * * * *
158.1975do		IW	*
* * * * *	* * * * *	* * * * *	* * * * *
158.2125do	81	IP, IW	*
* * * * *	* * * * *	* * * * *	* * * * *
158.2275do	81	IP, IW	*
* * * * *	* * * * *	* * * * *	* * * * *
158.2425do	81	IP, IW	*
* * * * *	* * * * *	* * * * *	* * * * *
158.2575do		IW	*
* * * * *	* * * * *	* * * * *	* * * * *
158.2725do	81	IP, IW	*
* * * * *	* * * * *	* * * * *	* * * * *
158.2875do		IP	*
* * * * *	* * * * *	* * * * *	* * * * *
158.3025do		IP	*
* * * * *	* * * * *	* * * * *	* * * * *
158.3175do	4, 7	IP	*
* * * * *	* * * * *	* * * * *	* * * * *
158.3325do		IP	*
* * * * *	* * * * *	* * * * *	* * * * *
158.3475do		*	*
* * * * *	* * * * *	* * * * *	* * * * *
158.3625do		IP	*
* * * * *	* * * * *	* * * * *	* * * * *
158.3775do	4, 7	IP	*
* * * * *	* * * * *	* * * * *	* * * * *
158.3925do		*	*
* * * * *	* * * * *	* * * * *	* * * * *
158.4075do	17.	*	*
* * * * *	* * * * *	* * * * *	* * * * *
158.4225do		IP	*
* * * * *	* * * * *	* * * * *	* * * * *
158.4375do	4, 7	IP	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
* * * * *	* * * * *	* * * * *	* * * * *
159.4875do	8	IP	
* * * * *	* * * * *	* * * * *	* * * * *
159.5025do			
* * * * *	* * * * *	* * * * *	* * * * *
159.5175do			
* * * * *	* * * * *	* * * * *	* * * * *
159.5325do			
* * * * *	* * * * *	* * * * *	* * * * *
159.5475do			
* * * * *	* * * * *	* * * * *	* * * * *
159.5625do			
* * * * *	* * * * *	* * * * *	* * * * *
159.5775do			
* * * * *	* * * * *	* * * * *	* * * * *
159.5925do			
* * * * *	* * * * *	* * * * *	* * * * *
159.6075do			
* * * * *	* * * * *	* * * * *	* * * * *
159.6225do			
* * * * *	* * * * *	* * * * *	* * * * *
159.6375do			
* * * * *	* * * * *	* * * * *	* * * * *
159.6525do			
* * * * *	* * * * *	* * * * *	* * * * *
159.6675do			
* * * * *	* * * * *	* * * * *	* * * * *
159.6825do			
* * * * *	* * * * *	* * * * *	* * * * *
159.6975do			
* * * * *	* * * * *	* * * * *	* * * * *
159.7125do			
* * * * *	* * * * *	* * * * *	* * * * *
159.7275do			
* * * * *	* * * * *	* * * * *	* * * * *
159.7425do			
* * * * *	* * * * *	* * * * *	* * * * *
159.7575do			
* * * * *	* * * * *	* * * * *	* * * * *
159.7725do			
* * * * *	* * * * *	* * * * *	* * * * *
159.7875do			
* * * * *	* * * * *	* * * * *	* * * * *
159.8025do			
* * * * *	* * * * *	* * * * *	* * * * *
159.8175do			
* * * * *	* * * * *	* * * * *	* * * * *
159.8325do			
* * * * *	* * * * *	* * * * *	* * * * *
159.8475do			
* * * * *	* * * * *	* * * * *	* * * * *
159.8625do			
* * * * *	* * * * *	* * * * *	* * * * *
159.8775do			
* * * * *	* * * * *	* * * * *	* * * * *
159.8925do			
* * * * *	* * * * *	* * * * *	* * * * *
159.9075do			
* * * * *	* * * * *	* * * * *	* * * * *
159.9225do			
* * * * *	* * * * *	* * * * *	* * * * *
159.9375do			
* * * * *	* * * * *	* * * * *	* * * * *
159.9525do			
* * * * *	* * * * *	* * * * *	* * * * *
159.9675do			
* * * * *	* * * * *	* * * * *	* * * * *
159.9825do			
* * * * *	* * * * *	* * * * *	* * * * *
159.9975do			
* * * * *	* * * * *	* * * * *	* * * * *
160.0125do			

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
* * * * *	* * * * *	* * * * *	*
160.0275do	*	*	*
* * * * *	* * * * *	* * * * *	*
160.0425do	*	*	*
* * * * *	* * * * *	* * * * *	*
160.0575do	*	*	*
* * * * *	* * * * *	* * * * *	*
160.0725do	*	*	*
* * * * *	* * * * *	* * * * *	*
160.0875do	*	*	*
* * * * *	* * * * *	* * * * *	*
160.1025do	*	*	*
* * * * *	* * * * *	* * * * *	*
160.1175do	*	*	*
* * * * *	* * * * *	* * * * *	*
160.1325do	*	*	*
* * * * *	* * * * *	* * * * *	*
160.1475do	*	*	*
* * * * *	* * * * *	* * * * *	*
160.1625do	*	*	*
* * * * *	* * * * *	* * * * *	*
160.1775do	*	*	*
* * * * *	* * * * *	* * * * *	*
160.1925do	*	*	*
* * * * *	* * * * *	* * * * *	*
160.2075do	*	*	*
* * * * *	* * * * *	* * * * *	*
160.2225do	*	50	LR
* * * * *	* * * * *	* * * * *	*
160.2375do	*	50	LR
* * * * *	* * * * *	* * * * *	*
160.2525do	*	50	LR
* * * * *	* * * * *	* * * * *	*
160.2675do	*	50	LR
* * * * *	* * * * *	* * * * *	*
160.2825do	*	50	LR
* * * * *	* * * * *	* * * * *	*
160.2975do	*	50	LR
* * * * *	* * * * *	* * * * *	*
160.3125do	*	50	LR
* * * * *	* * * * *	* * * * *	*
160.3275do	*	50	LR
* * * * *	* * * * *	* * * * *	*
160.3425do	*	50	LR
* * * * *	* * * * *	* * * * *	*
160.3575do	*	50	LR
* * * * *	* * * * *	* * * * *	*
160.3725do	*	50	LR
* * * * *	* * * * *	* * * * *	*
160.3875do	*	50	LR
* * * * *	* * * * *	* * * * *	*
160.4025do	*	50	LR
* * * * *	* * * * *	* * * * *	*
160.4175do	*	50	LR
* * * * *	* * * * *	* * * * *	*
160.4325do	*	50, 52	LR
* * * * *	* * * * *	* * * * *	*
160.4475do	*	50, 52	LR
* * * * *	* * * * *	* * * * *	*
160.4625do	*	50, 52	LR
* * * * *	* * * * *	* * * * *	*
160.4775do	*	50, 52	LR
* * * * *	* * * * *	* * * * *	*
160.4925do	*	50, 52	LR
* * * * *	* * * * *	* * * * *	*
160.5075do	*	50, 52	LR
* * * * *	* * * * *	* * * * *	*
160.5225do	*	50, 52	LR
* * * * *	* * * * *	* * * * *	*
160.5375do	*	50, 52	LR
* * * * *	* * * * *	* * * * *	*
160.5525do	*	50, 52	LR

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
* * * * *	* * * * *	* * * * *	*
160.5675do	do	50, 52	LR
* * * * *	* * * * *	* * * * *	*
160.5825do	do	50, 52	LR
* * * * *	* * * * *	* * * * *	*
160.5975do	do	50, 52	LR
* * * * *	* * * * *	* * * * *	*
160.6125do	do	50, 52	LR
* * * * *	* * * * *	* * * * *	*
160.6275do	do	50	LR
* * * * *	* * * * *	* * * * *	*
160.6425do	do	50	LR
* * * * *	* * * * *	* * * * *	*
160.6575do	do	50	LR
* * * * *	* * * * *	* * * * *	*
160.6725do	do	50	LR
* * * * *	* * * * *	* * * * *	*
160.6875do	do	50	LR
* * * * *	* * * * *	* * * * *	*
160.7025do	do	50	LR
* * * * *	* * * * *	* * * * *	*
160.7175do	do	50	LR
* * * * *	* * * * *	* * * * *	*
160.7325do	do	50	LR
* * * * *	* * * * *	* * * * *	*
160.7475do	do	50	LR
* * * * *	* * * * *	* * * * *	*
160.7625do	do	50	LR
* * * * *	* * * * *	* * * * *	*
160.7775do	do	50	LR
* * * * *	* * * * *	* * * * *	*
160.7925do	do	50	LR
* * * * *	* * * * *	* * * * *	*
160.8075do	do	50	LR
* * * * *	* * * * *	* * * * *	*
160.8225do	do	50	LR
* * * * *	* * * * *	* * * * *	*
160.8375do	do	50	LR
* * * * *	* * * * *	* * * * *	*
160.8525do	do	50	LR
* * * * *	* * * * *	* * * * *	*
160.8675do	do	50, 51	LR
* * * * *	* * * * *	* * * * *	*
160.8825do	do	50, 51	LR
* * * * *	* * * * *	* * * * *	*
160.8975do	do	50, 51	LR
* * * * *	* * * * *	* * * * *	*
160.9125do	do	50, 51	LR
* * * * *	* * * * *	* * * * *	*
160.9275do	do	50, 51	LR
* * * * *	* * * * *	* * * * *	*
160.9425do	do	50, 51	LR
* * * * *	* * * * *	* * * * *	*
160.9575do	do	50, 51	LR
* * * * *	* * * * *	* * * * *	*
160.9725do	do	50, 51	LR
* * * * *	* * * * *	* * * * *	*
160.9875do	do	50, 51	LR
* * * * *	* * * * *	* * * * *	*
161.0025do	do	50, 51	LR
* * * * *	* * * * *	* * * * *	*
161.0175do	do	50, 51	LR
* * * * *	* * * * *	* * * * *	*
161.0325do	do	50, 51	LR
* * * * *	* * * * *	* * * * *	*
161.0475do	do	50, 51	LR
* * * * *	* * * * *	* * * * *	*
161.0625do	do	50, 51	LR
* * * * *	* * * * *	* * * * *	*
161.0775do	do	50, 51	LR
* * * * *	* * * * *	* * * * *	*
161.0925do	do	50, 51	LR

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
* * *	* * *	* * *	*
161.1075do	do	50, 51	LR
* * *	* * *	* * *	*
161.1225do	do	50, 51	LR
* * *	* * *	* * *	*
161.1375do	do	50, 51	LR
* * *	* * *	* * *	*
161.1525do	do	50, 51	LR
* * *	* * *	* * *	*
161.1675do	do	50, 51	LR
* * *	* * *	* * *	*
161.1825do	do	50, 51	LR
* * *	* * *	* * *	*
161.1975do	do	50, 51	LR
* * *	* * *	* * *	*
161.2125do	do	50, 51	LR
* * *	* * *	* * *	*
161.2275do	do	50, 51	LR
* * *	* * *	* * *	*
161.2425do	do	50, 51	LR
* * *	* * *	* * *	*
161.2575do	do	50, 51	LR
* * *	* * *	* * *	*
161.2725do	do	50, 51	LR
* * *	* * *	* * *	*
161.2875do	do	50, 51	LR
* * *	* * *	* * *	*
161.3025do	do	50, 51	LR
* * *	* * *	* * *	*
161.3175do	do	50, 51	LR
* * *	* * *	* * *	*
161.3325do	do	50, 51	LR
* * *	* * *	* * *	*
161.3475do	do	50, 51	LR
* * *	* * *	* * *	*
161.3625do	do	50, 51	LR
* * *	* * *	* * *	*
161.3775do	do	50, 51	LR
* * *	* * *	* * *	*
161.3925do	do	50, 52	LR
* * *	* * *	* * *	*
161.4075do	do	50, 52	LR
* * *	* * *	* * *	*
161.4225do	do	50, 52	LR
* * *	* * *	* * *	*
161.4375do	do	50, 52	LR
* * *	* * *	* * *	*
161.4525do	do	50, 52	LR
* * *	* * *	* * *	*
161.4675do	do	50, 52	LR
* * *	* * *	* * *	*
161.4825do	do	50, 52	LR
* * *	* * *	* * *	*
161.4975do	do	50, 52	LR
* * *	* * *	* * *	*
161.5125do	do	50, 52	LR
* * *	* * *	* * *	*
161.5275do	do	50, 52	LR
* * *	* * *	* * *	*
161.5425do	do	50, 52	LR
* * *	* * *	* * *	*
161.5575do	do	50, 52	LR
* * *	* * *	* * *	*

(c) * * *

(29) Except when limited elsewhere, one-way paging transmitters on this frequency may operate with an output power of 350 watts.

(30) In the 450–470 MHz band, secondary telemetry operations pursuant to § 90.238(e) will be authorized on this frequency.

* * * * *

■ 3. Section 90.203 is amended by revising paragraph (j)(4)(ii) and removing paragraphs (j)(4)(iii) and (4)(iv) and adding paragraph (j)(10) to read as follows:

§ 90.203 Certification required.

* * * * *

(j) * * *
(4) * * *

(ii) 12.5 kHz for multi-bandwidth mode equipment with a maximum channel bandwidth of 12.5 kHz if it is capable of operating on channels of 6.25 kHz or less.

* * * * *

(10) Transmitters designed to operate in the 150–174 MHz and 421–512 MHz bands that are not equipped with a single-mode or multi-mode function permitting operation with a maximum channel bandwidth of 12.5 kHz or do not meet a spectrum efficiency standard of one voice channel per 12.5 kHz of channel bandwidth shall not be manufactured in, or imported into, the United States after January 1, 2008.

* * * * *

■ 4. Section 90.209 is amended by revising the entries to frequency bands in the table located in paragraph (b)(5) and adding paragraph (b)(6) to read as follows:

§ 90.209 Bandwidth limitations.

* * * * *

(b) * * *

(5) * * *

STANDARD CHANNEL SPACING/
BANDWIDTH

Frequency band (MHz)	Channel spacing (kHz)	Authorized bandwidth (kHz)
* 150–174 ..	* 17.5	* 1 ³ 20/11.25/6
* 421–512 ²	* 16.25	* 1 ³ 20/11.25/6
*	*	*

¹ For stations authorized on or after August 18, 1995.

² Bandwidths for radiolocation stations in the 420–450 MHz band and for stations operating in bands subject to this footnote will be reviewed and authorized on a case-by-case basis.

³ Operations using equipment designed to operate with a 12.5 kHz channel bandwidth will be authorized an 11.25 kHz bandwidth. Operations using equipment designed to operate with a 6.25 kHz channel bandwidth will be authorized a 6 kHz bandwidth. All non-public safety stations must operate on channels with a bandwidth of 12.5 kHz or less beginning January 1, 2013. All public safety stations must operate on channels with a bandwidth of 12.5 kHz or less beginning January 1, 2018.

* * * * *

(6) No new applications for the 150–174 MHz and/or 421–512 MHz bands will be acceptable for filing if the applicant utilizes channels with a bandwidth exceeding 11.25 kHz beginning January 13, 2004. For stations licensed or applied for prior to January 13, 2004, the licensee may transfer, assign, renew and modify the authorization consistent with the current rules. No modification applications for stations in the 150–174 MHz and/or 421–512 MHz bands that increase the station’s authorized interference contour will be acceptable for filing if the applicant utilizes channels with a bandwidth exceeding 11.25 kHz, beginning January 13, 2004. See § 90.187(b)(2)(iii) and (iv) of this chapter for interference contour designations and calculations. Applications submitted pursuant to this paragraph must comply with frequency coordination requirements of § 90.175 of this chapter.

* * * * *

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