FEDERAL COMMUNICATIONS COMMISSION

47 CFR Part 90

[PR Docket No. 92–235, FCC 95–255]

Private Land Mobile Radio Services

AGENCY: Federal Communications Commission.

ACTION: Final rule.

SUMMARY: The Commission has adopted a *Report and Order* which resolves many of the technical issues which have inhibited private land mobile radio (PLMR) users from employing the most spectrally-efficient technologies. Specifically, the frequency bands affected by these changes are the 150–174 MHz VHF band and the 421–430, 450–470, and 470–512 MHz UHF bands. The rules establish a new channelling plan, provide technical flexibility which will enable private wireless users to make equipment investment decisions to accommodate their diverse needs, and mandate consolidation and suggest an initial framework for the PLMR services. Finally, the Commission has decided not to replace 47 CFR part 90, with 47 CFR part 88 at this time. These amendments were necessary in order to ensure that the quality of communications in the PLMR bands below 800 MHz does not deteriorate to the point of endangering public safety and the national economy.

EFFECTIVE DATE: August 18, 1995.

FOR FURTHER INFORMATION CONTACT: Ira Keltz of the Wireless Telecommunications Bureau at (202) 418–0680.

SUPPLEMENTARY INFORMATION: This is a summary of the Commission's *Report and Order*, adopted June 15, 1995, and released June 23, 1995. The full text of this action is available for inspection and copying during normal business hours in the FCC Reference Center, Room 239, 1919 M Street, N.W., Washington, D.C. The complete text may be purchased from the Commission's copy contractor, ITS, Inc., (202) 857–3800, 2100 M Street, N.W., Suite 140, Washington, D.C. 20037.

Summary of Report and Order

1. In this action the Commission adopts rule changes to promote efficient use of the Private Land Mobile Radio (PLMR) services below 800 MHz. Specifically, the Commission adopts extensive rule changes to the PLMR services below 800 MHz which will promote highly effective and efficient use of the PLMR spectrum and facilitate the introduction of advanced technologies into the private mobile services. Foremost among the changes, the Commission establishes a new narrowband channelling plan, establishes transition dates for the type acceptance of increasingly efficient equipment, and requires consolidation of the Private Land Mobile Radio Services. The Commission has also made changes to technical rules to support the above mentioned changes and to promote more efficient use of the PLMR spectrum.

2. The new channelling plan which the Commission adopts is based on current channel centers and narrowband (NB) channels. This ''on-channel'' approach, which is important to current licensees, will provide a simple migration path and minimize confusion in the transition to narrowband technologies by allowing users to remain on their current licensed frequency. In general, channel spacings are as follows: in the 72–76 MHz band, the existing channel spacings will be maintained; in the 150–174 MHz VHF band channels will be listed every 7.5 kHz; and in the 421–512 MHz UHF band channels will be listed every 6.25 kHz. Specifically, for frequencies (channels) authorized in the 150–174 MHz band, the Commission is generally adopting 6.25 kHz wide channels that are spaced every 7.5 kHz. Within each individual radio service allocation, interleaved channels are created by assigning channels every 7.5 kHz higher in frequency than each existing channel. Similarly, in the 421–512 MHz band the Commission is establishing 6.25 kHz wide channels. Within each individual radio service allocation, interleaved channels are created by assigning channels every 6.25 kHz higher in frequency than each existing channel. Each interleaved channel will have the same limitation restrictions, except in certain cases for authorized bandwidth, as the channel which is immediately below it. In cases where an existing channel is shared by two or more radio services, the interleaved channel will also be shared among those same services. Where an existing channel is assigned to a single radio service, the interleaved channel will be allocated to only that radio service. In the few instances where currently available PLMR channels are adjacent to allocations for other radio service (e.g. maritime mobile radio service), one interleaved channel is created by assigning a channel in the same frequency pool as the currently available adjacent channel that is higher in frequency.

3. Flexibility is provided by allowing users to aggregate up to the equivalent of four narrowband channels. This approach allows users to satisfy their individual communication needs by utilizing equipment designed to operate with either 5, 6.25, 12.5, or 25 kHz channel bandwidths. This approach does not favor any particular type of land mobile technology, but adopts rules that permit the use of new spectrum efficient technologies. This provides technical flexibility by removing current barriers to allow entry of new technology into the private land mobile marketplace for a large, diverse community of users. By adopting a NB channelization plan, the Commission sets the direction for the industry to meet a long term goal of increasing the efficiency of the PLMR frequency bands.

4. An essential element of the channelization plan is the transition period in which it must be implemented. Rather than issuing a comprehensive set of dates mandating strict manufacturing and licensing requirements, the Commission will manage the transition to more spectrum efficient use of the PLMR frequency bands through the type acceptance process. This transition plan does not require current licensees to purchase new equipment, instead future equipment must meet increasingly efficient standards over the next ten years. The transition dates for the type acceptance are: August 1, 1996—New type accepted equipment must be designed to operate on channels of 12.5 kHz or less or on 25 kHz channels if the narrowband efficiency standard is met (multi-mode equipment that operates on 25 kHz channels will be allowed if it is also capable of operating on 12.5 kHz and/or narrower channels); and January 1, 2005—New type accepted equipment must be designed to operate on channels of 6.25 kHz or less or on channels up to 25 kHz if the narrowband efficiency standard is met (multi-mode equipment that operates on 25 kHz and/or 12.5 kHz channels will be allowed if it is also capable of operating on 6.25 kHz or narrower channels).

5. This transition plan provides users immediate flexibility in equipment decisions and provides a period for the development of new technologies. It allows each licensee the freedom to choose equipment and a transition schedule that best fulfills their needs while balancing technical capabilities and financial considerations. As systems wear out, and new radios are bought, users, will have a natural inducement, without a Government mandate, to use the narrower bandwidth of the multi-mode radios in order to avoid excessive adjacent channel interference. This will allow a natural

transition to more efficient systems as new equipment is bought within each users normal replacement cycle. The Commission also believes that a natural inducement exists for all users, especially those located in congested areas, to migrate to narrowband equipment as it becomes available.

6. Ten years affords PLMR users and manufacturers sufficient time to develop technical standards for narrowband radios and to design and test such radios. Further, this time period will provide ample time for different modulation techniques to be studied for compatibility and interference effects.

7. The Commission's type acceptance rules provide some flexibility by which manufacturers can continue to support their existing equipment through upgrades and modifications. Wideband equipment can continue to be produced, but these radios must include a multi-mode feature. With respect to this rule part and proceeding, a grant of type acceptance will be required for new multi-mode, or narrowband equipment. The new grant of type acceptance may cover a new transmitter design and/or upgraded units. Existing wideband (25 kHz) units that have the inherent capability for either multi-mode or narrowband operation may have the current grant of type acceptance modified to show the additional capability by filing a modification request which demonstrates that the original unit complies with the new technical requirements applicable to multi-mode or narrowband operation.

8. In cases where manufacturers have developed a conversion kit to retrofit existing wideband equipment and cause the modified unit to conform to the new technical requirements for new multi-mode or narrowband operation, the Commission will allow field modifications to add multi-mode or narrowband capability to equipment currently installed. So that this equipment can be recognized as having the revised capability, the modifying party, typically the manufacturer or its representative, must replace the existing FCC ID label with a new label that corresponds to the FCC ID of the associated new transmitter which was type accepted with the multi-mode or narrowband capability.

9. Another aspect of this plan concerns licensing on some of the new channels in the 150–174 and 421–512 MHz bands. License applications will not be accepted until one year after the effective date of the rules adopted in this proceeding for channels 7.5 kHz removed from VHF channels or for channels 6.25 kHz removed from UHF channels that are currently listed in 47 CFR Part 90 Subparts B, C, D, and E. This date will permit manufacturers sufficient time to obtain type acceptance for equipment that complies with the new technical requirements. The time lapse between adoption of the new rules and licensing on these new frequencies will also permit frequency coordinators time to establish proper coordination procedures for these frequencies.

10. The third major change to the Commission's rules is the consolidation of the PLMR radio services. The Commission believes that consolidation of the twenty current PLMR radio services into 2–4 radio services is essential to increasing efficiency and providing for more flexible spectrum use by ensuring more efficient distribution of the additional channels created as a result of the transition to narrowband technology. Consolidation will permit licensees to utilize technologically innovative and efficient equipment. Further, maintaining the 20 radio services is administratively burdensome; consolidation will lead to greater operational efficiency for users and promote more flexible use of the spectrum. Also, it is the Commission's intention to create competition in the frequency coordination function by allowing users in the newly created service groups to use the services of any recognized frequency coordinator. The Commission will give the PLMR community a further opportunity to submit a proposal that reflects their interests and needs and is mutually agreeable, reasonable, and workable. The Commission is asking the users and frequency coordinators to provide guidance in their consolidation proposal on how this can best be accomplished. Also, the consolidation proposal should explore creating and implementing a national real time database to ensure fair competition among all of the frequency coordinators by reflecting frequency assignments as expeditiously as possible. Further, coordination fees should be discussed in the consolidation proposal filed with the Commission.

11. The Commission takes this approach because it believes that maintaining the existing number of services is outmoded and no longer works as efficiently as when the discrete services were first developed and the spectrum was less heavily utilized. It is hoped that by encouraging PLMR user input, the concerns of all parties will be considered. The Commission recognizes the importance of the different services, particularly Public Safety, and encourages users to develop a proposal which includes a Public Safety pool. Further, the Commission recommends that users provide clear guidelines as to the requirements necessary for inclusion in the Public Safety pool to prevent overcrowding and to maintain the critical functions of the users included within this pool. Additionally, the Commission recommends that users consider whether a single coordinator or multiple coordinators should be used for public safety users. These changes can work to improve the efficiency of the spectrum environment.

12. Achieving a consensus on a consolidation plan is the ultimate objective. Although a consensus proposal would be ideal, the Commission is not at this time establishing an advisory committee under the Federal Advisory Committee Act, 5 U.S.C. App. 2, or a negotiated rule making committee, P.L. No. 101–648, 105 Stat. 4969 (1990), 5 U.S.C. §§ 581–590; rather, the Commission is merely encouraging the PLMR community, together with the frequency coordinators, to submit their further views. Therefore, the Commission is postponing issuing a plan at this time. The PLMR community will have the opportunity to negotiate and submit a comprehensive consensus plan for consolidation to the Commission within 3 months of the effective date of this *Report and Order.* The Commission will issue final rule amendments on this subject based on the record without further notice. These rule amendments will incorporate the PLMR community's consensus plan, if consensus is achieved within the rubric of this *Report and Order.*

13. Many additional changes to the Commission's rules which support the major decisions outlined above were also made in this proceeding. One of these changes deals with the secondary use of low-power operations on frequencies offset 12.5 kHz from assigned channels in the 450–470 MHz band. Under the new channelization plan, the current offset channels will no longer be offsets, but will be regularly assignable channels available in the various radio services. This will create instances where a channel that is currently available as an offset in more than one radio service will now be assignable in only one radio service. Therefore, licensees whose frequencies are no longer available in the radio service in which they are licensed will be grandfathered on their current frequency and will be permitted to modify, expand, and renew their systems. Also, since it is apparent that there is a continuing need for licensees to use low-power operations, the frequency coordinator for each radio service, as part of the coordination

transition plan, will be permitted to designate specific channels for low-power use. In order to promote flexibility for regions with differing communications requirements, these designations can be varied by specific geographic region. Each coordinating entity will be required to maintain and supply to the public upon request, information on frequencies it designates for low-power use and the areas in which these frequencies are designated for such use.

14. Current licensees of 12.5 kHz offset frequencies, in addition to being subject to the same transition schedule as high-power users, will have several options: 1) they may remain on the frequencies for which they are licensed; or, 2) move to frequencies designated specifically for low-power use. Users who choose to remain on their current frequency may achieve primary status by raising their output power, and by supplying their station coordinates (latitude and longitude) to the Commission through the appropriate frequency coordinator. Users who wish to invoke this option must provide justification for raising their output power. Licensees on the offset frequencies who wish to remain at low-power on their current frequency will be secondary to new high-power operations on these frequencies. Users who choose to move to designated low-power frequencies will be given primary status on those frequencies after submitting their station coordinates to the Commission through the appropriate frequency coordinator.

15. Since the current use of low-power operations offset frequencies has been beneficial to private land mobile operations, the Commission adopts a similar structure consistent with the new narrowband channeling plan. Narrowband low-power offset channels will be available 3.125 kHz removed from most regularly assignable frequencies. These frequencies will be authorized on a secondary, non-interference basis and will be subject to all frequency coordination requirements.

16. Additionally to permit increased channel reuse, the Commission adopts limits in the 150–174 and 450–470 MHz bands on allowable effective radiated power/antenna height combinations for new stations, i.e., one which is not functionally integrated with an earlier-installed system, based on each stations service area. This overall approach will increase channel reuse, reduce the incidence of over-powered systems, reduce background noise, and provide technical flexibility to PLMR licensees. Finally, the transmitter power/antenna height limits that the Commission is adopting are sufficiently well defined to avoid placing a significant administrative burden on applicants, licensees, frequency coordinators, and the Commission.

17. The level of interference protection provided by the frequency separation between current assignments and new assignments using frequencies resulting from channel splitting may not be sufficient to permit same-area high-power operation. Thus, in order to not degrade communications quality below that presently afforded land mobile licensees in these bands, in some situations it may be necessary to place certain restrictions on the operation of new adjacent channel assignments, such as requiring a geographic separation or operation at substantially reduced power. Specific restrictions will depend on a number of system parameters such as transmitter power, antenna height, and distance between stations, all of which may vary considerably between systems. The Commission believes that there is not a sufficient record in the comments on which to base specific adjacent channel station separation requirements with respect to the new channelization plan. The Commission also believes that the frequency coordinators, with their knowledge of user requirements and local conditions, are in a better position than the Commission to determine separation distances needed in each case. Accordingly, the Commission is not adopting any specific mileage separation requirements at this time. The current separation requirements in 47 CFR § 90.173 will remain in effect until August 18, 1995. After this date the Commission will require the appropriate frequency coordinators to review applications for adjacent channel usage and determine appropriate separation distances based upon the technical characteristics of proposed and existing station(s).

18. The Commission adopts, for equipment designed to operate with a 12.5 kHz channel bandwidth in the 150–174 MHz and 421–512 MHz bands, a mask which incorporates the best attributes of the masks suggested by Ericsson and TIA. This adopted mask has the flat top characteristic of the Ericsson suggested mask, which will permit the use of wideband modulations, such as QPSK, and the roll off characteristic for the skirt region of the TIA suggested mask, which provides acceptable adjacent channel interference. Regarding the narrowband emission mask, there was no opposition to either the proposed mask or one suggested by TIA. The TIA mask is slightly less restrictive than the proposed mask by incorporating a slightly wider flat top region in order to accommodate a 9600 bps CQPSK modulation signal. Therefore, the Commission adopts the mask suggested by TIA for equipment that operates with a 6.25 kHz bandwidth in the 150–174 MHz and 421–512 MHz bands.

19. Regarding instrumentation and procedures to be used when measuring equipment emissions, general requirements are specified to provide guidance to manufacturers. With the broad range of equipment modulations and system requirements that may be encountered, however, the Commission will permit applicants for equipment type acceptance to utilize alternate procedures provided prior Commission approval is obtained.

20. Additionally, frequency deviation limits, which are applicable only to frequency modulation (FM), will no longer be specified for equipment designed to operate in the refarming bands. The new emission mask requirements make the need for a frequency deviation limit superfluous for FM equipment, and irrelevant for non-FM equipment. Therefore, because no comments opposed this proposal, the Commission is eliminating references to frequency deviation limits for equipment operating in the 150–174 MHz and 421–512 MHz bands.

21. Similar to the emission mask, narrower channel spacing increases the importance of frequency stability to reduce adjacent channel interference. TIA suggested frequency stability requirements for 12.5 kHz equipment are based on the performance of equipment that has been operating for a number of years in Europe and Asia in the same frequency bands. These stability requirements coupled with the emission masks, will provide adequate adjacent channel interference protection. Accordingly, the Commission adopts the frequency stabilities as proposed by TIA for base and mobile stations designed for operation with either a 12.5 kHz or 6.25 kHz bandwidth in the 150–174 MHz and 421–512 MHz bands.

22. Although frequency stability requirements were proposed for the 150–220 MHz band, the decision herein does not include the 216–220 MHz band. Operation in this band is secondary to Federal Government operations, and equipment operating in the 216–220 MHz band is required to comply with Federal Government technical standards. Therefore, the current base and mobile station frequency stabilities in the 220–222 MHz band are being retained.

23. In order to promote greater spectral efficiency, the Commission adopts efficiency standards for new radios. Although different efficiency standards were proposed for the VHF and UHF bands, the Commission adopts a common standard for all the refarming bands. In accordance with the transition dates for equipment in the 150–174 MHz VHF and 421–512 MHz UHF bands, the Commission adopts a spectrum efficiency standard of one voice channel per 12.5 kHz of channel bandwidth for equipment type accepted after August 1, 1996, and a spectrum efficiency standard of one voice channel per 6.25 kHz for equipment type accepted after January 1, 2005. Additionally, after August 1, 1996, equipment designed for data operation that uses more than a 6.25 kHz channel bandwidth, must meet a minimum efficiency standard of at least 0.768 bits per second per Hertz. At the chosen standard of 0.768 bps/Hz, the 6.25 kHz equipment will have a data rate of 4800 bps, and the 12.5 kHz equipment will have a data rate of 9600 bps. These are standard data rates. This standard will be incorporated into the type acceptance process by having equipment manufacturers certify as part of their application for type acceptance that their equipment meets the spectrum efficiency standard.

24. The Commission, in order to promote low-cost and low-power entry level communications, is making six additional frequencies in the 150 MHz band available to the Business Radio Service for low-power and itinerant operations. These are: 151.700 MHz, 151.760 MHz, and 154.5275 for itinerant use, and 151.820 MHz, 151.880 MHz, and 151.940 MHz for low-power use. Operation on these new low power frequencies will be limited to a maximum channel bandwidth of 12.5 kHz and a maximum output power of 1 watt. Also, after January 1, 2005, the Commission will continue to allow type acceptance of 12.5 kHz single mode radios that are designed to only operate on any of the low power and itinerant frequencies and have an output power of less than 2 watts.

25. Radio transmitters, when keyed on, require a very short period of time (in milliseconds) to ''warm-up'' and attain their designed operating frequency. During this short period of off-frequency operation, noise ''chirps'' are transmitted. A similar transient frequency behavior occurs when the transmitter is keyed off. Transmitters designed for digital transmissions produce in-band signals very close to an adjacent channel. Thus, noise ''chirps'' can cause interference to adjacent channel operations. The Commission proposed certain criteria to limit the amplitude of this type of noise. The comments indicate support for limiting these emissions. In order to assure that ''chirps'' do not cause excessive interfere to other land mobile licensees and to television receivers operating in adjacent bands, manufacturers must limit ''chirps'' in their equipment. Therefore, the Commission is adopting standards similar to those used by industry for transient frequency behavior for equipment designed to operate on 25, 12.5, or 6.25 kHz channel bandwidths.

26. The Commission also adopts several miscellaneous technical changes to 47 CFR Part 90. The Commission will allow the licensees in the Police Radio Service to use direct sequence spread spectrum during covert operations in addition to the currently allowed frequency hopping spread spectrum. Also, the Commission adopts new out-of-band emission limitations for transmitters licensed in the Business Radio Service that do not exceed 120 milliwatts in output power that are otherwise exempt from some of the technical standards of 47 CFR Part 90.

27. The rules are set forth at the end of this document.

28. The rules contained herein have been analyzed with respect to the Paperwork Reduction Act of 1980, 44 U.S.C. 3501 et seq., and found to contain no new or modified form, information collection, and/or record keeping, labeling, disclosure, or record retention requirements and will not increase or decrease burden hours imposed on the public.

29. This *Report and Order* is issued under the authority of sections 4(i) and 303(r) of the Communications Act of 1934 as amended, 47 U.S.C. 154(i) and 303(r).

Final Regulatory Flexibility Analysis

Need and Purpose of This Action

This *Report and Order* amends Part 90 of the Commission's rules governing the PLMR services. Specifically, this *Report and Order:* 1) increases channel efficiency by splitting existing channels between 150 and 512 MHz; 2) provides users technical flexibility to convert to narrowband technology; 3) introduces new power/antenna height limitations that will permit advanced technologies and reduce interference; 4) specifies new technical standards for emission masks, frequency stability, and spectrum efficiency. These actions will reduce congestion, meet future communications capacity needs and generally permit, facilitate and encourage licensees to be spectrum efficient. These proposals will not unduly burden the public or increase administrative costs.

Summary of Issues Raised by Public Comments in Response to the Initial Regulatory Flexibility Analysis

No party addressed the Initial Regulatory Flexibility Analysis (IRFA), although several parties, including AAR and ATA, produced higher per unit estimates of the cost of reducing transmitter power and deviation.

Significant Alternatives Considered and Rejected

Several proposals were suggested by commenters regarding the appropriate *channelization plan, transition period,* and *transmitter power/antenna heights.* One alternative which received strong support from the user community was to adopt a 12.5 kHz channelization plan. Another alternative presented the view that narrowband is more efficient than 12.5 kHz technology and recommended that the Commission convert to this technology to make the most gains in relieving spectrum congestion. Based on the record before us, we adopt a flexible channelization plan which is a combination of the above plans and considers the needs and concerns of users. The plan gives users the option of converting directly to narrowband technology or allowing users to first use 12.5 kHz equipment and thereafter migrate to narrowband technology. The Commission also reviewed varying proposals from users, ranging from 10 to 26 years, regarding the appropriate transition period for implementation of the channelization plan. We again adopt a flexible approach which permits users to amortize existing investments over standard equipment life cycles. The rules adopted impose minimal hardship on users, as they consider the significant costs users have already expended in imbedded equipment. The Commission also considered reducing the number of radio services. Generally, commenters did not agree on how many radio services should exist, which is a central issue in this debate. Therefore, in this document, because of the outstanding debate on this issue and several other issues, which need further discussion, we will not consolidate the radio services in this Report and Order. We believe that the move toward consolidation has merit and frequency coordinators of the radio services can greatly assist in the efficient implementation of the changes within this document. Consequently, we will allow frequency coordinators to submit a consolidation plan to the Commission

within three months of the effective date of this item. Finally, we also considered the ''safe-harbor'' power approach recommended by LMCC, and found it to contain significant merit. We are adopting a modified version of LMCC's plan. Power will remain grandfathered until the licensed system is essentially replaced. Furthermore, most existing licensees meet the revised power limitations.

List of Subjects in 47 CFR Part 90

Communications equipment, Radio.

Federal Communications Commission

William F. Caton,

Acting Secretary.

Final Rule

Part 90 of chapter I of title 47 of the Code of Federal Regulations is amended as follows:

PART 90—PRIVATE LAND MOBILE RADIO SERVICES

1. The authority citation for part 90 is revised to read as follows:

Authority: 47 U.S.C. 154, 302, 303, and 332, unless otherwise noted.

2. Section 90.17 is amended by revising the table of frequencies in paragraph (b), revising limitations (13) and (24), and adding limitations (28), (29), and (30) in paragraph (c), and revising paragraph (e)(3) to read as follows:

§ 90.17 Local Government Radio Service.

* * * * *

(b) * * *

LOCAL GOVERNMENT RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Kilohertz:		
530	Base (T.I.S.)	23
1610	.....do	23
2726	Base or mobile	1
2000 to 10,000	Fixed, base or mobile	25
Megahertz:		
37.10	Base or mobile	2
37.18	.....do	2
37.26	.....do	2
39.06	Mobile	2, 3
39.10	Base or mobile	2
39.18	.....do	2
39.50	.....do	2
39.58	.....do	2
39.82	.....do	2
39.90	.....do	2
39.98	.....do	2
45.08	.....do	
45.12	.....do	
45.16	.....do	
45.20	.....do	
45.24	.....do	
45.28	.....do	
45.32	.....do	
45.36	.....do	
45.40	.....do	
45.44	.....do	
45.48	.....do	
45.52	.....do	
45.56	.....do	
45.60	.....do	
45.64	.....do	
46.52	.....do	
46.54	.....do	
46.56	.....do	
46.58	.....do	
72.00 to 76.00	Operational fixed	6
150 to 170	Base or mobile	29
153.740	Mobile	
153.7475	.....do	24
153.755	.....do	
153.7625	.....do	24
153.785	.....do	
153.7925	.....do	24
153.800	.....do	
153.8075	.....do	24
153.815	.....do	
153.8225	.....do	24
153.845	.....do	
153.8525	.....do	24
153.860	.....do	
153.8675	.....do	24
153.875	.....do	
153.8825	.....do	24
153.905	.....do	
153.9125	.....do	24

LOCAL GOVERNMENT RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
153.920	do	
153.9275	do	24
153.935	do	
153.9425	do	24
153.965	do	
153.9725	do	24
153.980	do	
153.9875	do	24
153.995	do	
154.0025	do	24
154.025	Base or mobile	
154.0325	do	24
154.040	do	5
154.0475	do	5, 24
154.055	do	5
154.0625	do	5, 24
154.085	do	5
154.0925	do	5, 24
154.100	do	5
154.1075	do	5, 24
154.115	do	5
154.1225	do	5, 24
154.45625	Fixed or mobile	9, 20, 21, 22
154.46375	do	7, 19, 20, 21, 22
154.47125	do	7, 20, 21, 22
154.47875	do	19, 20, 21, 22
154.965	Base or mobile	
154.9725	do	24
154.980	do	
154.9875	do	24
154.995	do	
155.0025	do	24
155.025	do	
155.0325	do	24
155.040	do	
155.0475	do	24
155.055	do	
155.0625	do	24
155.085	do	
155.0925	do	24
155.100	do	
155.1075	do	24
155.115	do	
155.1225	do	24
155.145	do	
155.1525	do	24
155.715	do	
155.7225	do	24
155.745	do	
155.7525	do	24
155.760	do	
155.7675	do	24
155.775	do	
155.7825	do	24
155.805	do	
155.8125	do	24
155.820	do	
155.8275	do	24
155.835	do	
155.8425	do	24
155.865	do	
155.8725	do	24
155.880	do	
155.8875	do	24
155.895	do	
155.9025	do	24
155.925	do	
155.9325	do	24
155.940	do	
155.9475	do	24
155.955	do	
155.9625	do	24

LOCAL GOVERNMENT RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
155.985	Mobile	
155.9925	.....do	24
156.000	.....do	
156.0075	.....do	24
156.015	.....do	
156.0225	.....do	24
158.745	Base and mobile	
158.7525	.....do	24
158.760	.....do	
158.7675	.....do	24
158.775	.....do	
158.7825	.....do	24
158.805	.....do	
158.8125	.....do	24
158.820	.....do	
158.8275	.....do	24
158.835	.....do	
158.8425	.....do	24
158.865	Mobile	
158.8725	.....do	24
158.880	.....do	
158.8875	.....do	24
158.895	.....do	
158.9025	.....do	24
158.925	.....do	
158.9325	.....do	24
158.940	.....do	
158.9475	.....do	24
158.955	.....do	
158.9625	.....do	24
169–172	.....do	27
173.20375	Fixed or mobile	7, 20, 21, 22
173.2100	.....do	7, 8, 21, 22
173.2375	.....do	9, 20, 21, 22
173.2625	.....do	9, 20, 21, 22
173.2875	.....do	9, 20, 21, 22
173.3125	.....do	9, 20, 21, 22
173.3375	.....do	9, 20, 21, 22
173.3625	.....do	9, 20, 21, 22
173.3900	.....do	7, 8, 21, 22
173.39625	.....do	7, 20, 21, 22
220 to 222	Base and mobile	4
450 to 470	Fixed, base, or mobile	10, 29
453.0125	Mobile	30
453.025	Central control, fixed	11
453.0375	Base or mobile	24
453.050	.....do	12
453.05625	.....do	12, 28
453.06250	.....do	12, 24
453.06875	.....do	12, 28
453.075	Central control, fixed	11
453.0875	Base or mobile	24
453.100	.....do	12
453.10625	.....do	12, 28
453.11250	.....do	12, 24
453.11875	.....do	12, 28
453.125	Central control, fixed	11
453.1375	Base or mobile	24
453.150	.....do	12
453.15625	.....do	12, 28
453.16250	.....do	12, 24
453.16875	.....do	12, 28
453.175	Central control, fixed	11
453.1875	Base or mobile	24
453.200	.....do	12
453.20625	.....do	12, 28
453.21250	.....do	12, 24
453.21875	.....do	12, 28
453.225	.....do	
453.23125	.....do	28
453.23750	.....do	24
453.24375	.....do	28

LOCAL GOVERNMENT RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
453.250	do	12
453.25625	do	12, 28
453.26250	do	12, 24
453.26875	do	12, 28
453.275	do	
453.28125	do	28
453.28750	do	24
453.29375	do	28
453.300	do	12
453.30625	do	12, 28
453.31250	do	12, 24
453.31875	do	12, 28
453.325	do	
453.33125	do	28
453.33750	do	24
453.34375	do	28
453.350	do	12
453.35625	do	12, 28
453.36250	do	12, 24
453.36875	do	12, 28
453.375	do	
453.38125	do	28
453.38750	do	24
453.39375	do	28
453.400	do	12
453.40625	do	12, 28
453.41250	do	12, 24
453.41875	do	12, 28
453.425	do	
453.43125	do	28
453.43750	do	24
453.44375	do	28
453.450	do	12
453.45625	do	12, 28
453.46250	do	12, 24
453.46875	do	12, 28
453.475	do	
453.48125	do	28
453.48750	do	24
453.49375	do	28
453.500	do	12
453.50625	do	12, 28
453.51250	do	12, 24
453.51875	do	12, 28
453.525	do	
453.53125	do	28
453.53750	do	24
453.54375	do	28
453.550	do	12
453.55625	do	12, 28
453.56250	do	12, 24
453.56875	do	12, 28
453.575	do	
453.58125	do	28
453.58750	do	24
453.59375	do	28
453.600	Base or mobile	12
453.60625	do	12, 28
453.61250	do	12, 24
453.61875	do	12, 28
453.625	do	
453.63125	do	28
453.63750	do	24
453.64375	do	28
453.650	do	12
453.65625	do	12, 28
453.66250	do	12, 24
453.66875	do	12, 28
453.675	do	
453.68125	do	28
453.68750	do	24
453.69375	do	28

LOCAL GOVERNMENT RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
453.700	do	12
453.70625	do	12, 28
453.71250	do	12, 24
453.71875	do	12, 28
453.725	do	
453.73125	do	28
453.73750	do	24
453.74375	do	28
453.750	do	12
453.75625	do	12, 28
453.76250	do	12, 24
453.76875	do	12, 28
453.775	do	
453.78125	do	28
453.78750	do	24
453.79375	do	28
453.800	do	12
453.80625	do	12, 28
453.81250	do	12, 24
453.81875	do	12, 28
453.825	do	
453.83125	do	28
453.83750	do	24
453.84375	do	28
453.850	do	12
453.85625	do	12, 28
453.86250	do	12, 24
453.86875	do	12, 28
453.875	do	
453.88125	do	28
453.88750	do	24
453.89375	do	28
453.900	do	12
453.90625	do	12, 28
453.91250	do	12, 24
453.91875	do	12, 28
453.925	do	
453.93125	do	28
453.93750	do	24
453.94375	do	28
453.950	do	12
453.95625	do	12, 28
453.96250	do	12, 24
453.96875	do	12, 28
453.975	do	
453.98125	do	28
453.98750	do	24
453.99375	do	28
458.025	Radio call boxes, fixed	11, 13
458.03750	Mobile	24
458.050	do	12
458.05625	do	12, 28
458.06250	do	12, 24
458.06875	do	12, 28
458.075	Radio call boxes, fixed	11, 13
458.08750	Mobile	24
458.100	do	12
458.10625	do	12, 28
458.11250	do	12, 24
458.11875	do	12, 28
458.125	Radio call boxes, fixed	11, 13
458.13750	Mobile	24
458.150	do	12
458.15625	do	12, 28
458.16250	do	12, 24
458.16875	do	12, 28
458.175	Radio call boxes, fixed	11, 13
458.18750	Mobile	24
458.200	do	12
458.20625	do	12, 28
458.21250	do	12, 24
458.21875	do	12, 28

LOCAL GOVERNMENT RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
458.225	do	
458.23125	do	28
458.23750	do	24
458.24375	do	28
458.250	do	12
458.25625	do	12, 28
458.26250	do	12, 24
458.26875	do	12, 28
458.275	do	
458.28125	do	28
458.28750	do	24
458.29375	do	28
458.300	do	12
458.30625	do	12, 28
458.31250	do	12, 24
458.31875	do	12, 28
458.325	do	
458.33125	do	28
458.33750	do	24
458.34375	do	28
458.350	do	12
458.35625	do	12, 28
458.36250	do	12, 24
458.36875	do	12, 28
458.375	do	
458.38125	do	28
458.38750	do	24
458.39375	do	28
458.400	do	12
458.40625	do	12, 28
458.41250	do	12, 24
458.41875	do	12, 28
458.425	do	
458.43125	do	28
458.43750	do	24
458.44375	do	28
458.450	do	12
458.45625	do	12, 28
458.46250	do	12, 24
458.46875	do	12, 28
458.475	do	
458.48125	do	28
458.48750	do	24
458.49375	do	28
458.500	do	12
458.50625	do	12, 28
458.51250	do	12, 24
458.51875	do	12, 28
458.525	do	
458.53125	do	28
458.53750	do	24
458.54375	do	28
458.550	do	12
458.55625	do	12, 28
458.56250	do	12, 24
458.56875	do	12, 28
458.575	do	
458.58125	do	28
458.58750	do	24
458.59375	do	28
458.600	do	12
458.60625	do	12, 28
458.61250	do	12, 24
458.61875	do	12, 28
458.625	do	
458.63125	do	28
458.63750	do	24
458.64375	do	28
458.650	do	12
458.65625	do	12, 28
458.66250	do	12, 24
458.66875	do	12, 28

LOCAL GOVERNMENT RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
458.675	do	
458.68125	do	28
458.68750	do	24
458.69375	do	28
458.700	do	12
458.70625	do	12, 28
458.71250	do	12, 24
458.71875	do	12, 28
458.725	do	
458.73125	do	28
458.73750	do	24
458.74375	do	28
458.750	do	12
458.75625	do	12, 28
458.76250	do	12, 24
458.76875	do	12, 28
458.775	do	
458.78125	do	28
458.78750	do	24
458.79375	do	28
458.800	do	12
458.80625	do	12, 28
458.81250	do	12, 24
458.81875	do	12, 28
458.825	do	
458.83125	do	28
458.83750	do	24
458.84375	do	28
458.850	do	12
458.85625	do	12, 28
458.86250	do	12, 24
458.86875	do	12, 28
458.875	do	
458.88125	do	28
458.88750	do	24
458.89375	do	28
458.900	do	12
458.90625	do	12, 28
458.91250	do	12, 24
458.91875	do	12, 28
458.925	do	
458.93125	do	28
458.93750	do	24
458.94375	do	28
458.950	do	12
458.95625	do	12, 28
458.96250	do	12, 24
458.96875	do	12, 28
458.975	do	
458.98125	do	28
458.98750	do	24
458.99375	do	28
470 to 512	Base or mobile	14
806 to 824	Mobile	15
851 to 869	Base or mobile	15
928 and above	Operational-fixed	16
929–930	Base only	26
1427 to 1435	Operational fixed, base or mobile	17
2450 to 2500	Base or mobile	18
10,550 to 10,680*	do	

*The frequencies in the band 10.55–10.68 GHz are available for Digital Termination Systems and for associated internodal links in the Point-to-Point Microwave Radio Service. No new licenses will be issued under this subpart but current licenses will be renewed.

(c) * * *

(13) Available for medical services mobile operations in the Emergency Medical Radio Service in accordance with § 90.27(c)(22).

* * * * *

(24) This frequency is not available in the 150–170 MHz band until August 18, 1996. 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.

* * * * *

(28) This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned

with an authorized bandwidth not to exceed 6 kHz.

(29) Assignment of frequencies in this band are subject to the provisions of § 90.173.

(30) This frequency is available for systems first licensed prior to August 18, 1995. No new systems will be authorized after August 18, 1995, but prior authorized systems may be modified, expanded, and renewed.

* * * * *

(e) * * *

(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.

* * * * *

3. Section 90.19 is amended by revising the table of frequencies in paragraph (d), removing and reserving limitation (19), revising limitation (26), and adding limitations (32), (33), and (34) in paragraph (e), amending paragraph (f)(5)(ii) by removing the entries for frequency ranges 460.0125–465.5125 MHz and 465.0125–460.5125 MHz and adding in its place 460.0125–460.5125 MHz and 465.0125–465.5125 MHz respectively, adding paragraph (g)(3)(iii), and revising paragraph (g)(5) to read as follows:

§ 90.19 Police Radio Service.

* * * * *

(d) * * *

POLICE RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Kilohertz:		
851 to 856	Base or Mobile	22
928 and above	Operational fixed	23
929 to 930	Base only	27
1427 to 1435	Operational fixed, base or mobile	24
1722	.....do	2, 3
1730	.....do	2, 3
2366	.....do	1, 2
2382	.....do	2
2390	.....do	1, 2
2406	.....do	2
2430	.....do	2
2442	.....do	2
2450	.....do	2
2458	.....do	2
2482	.....do	2
2490	.....do	2, 3
Megahertz:		
37.02	Mobile	
37.04	Base or mobile	
37.06	.....do	
37.08	.....do	
37.10	.....do	9
37.12	.....do	
37.14	.....do	
37.16	.....do	
37.18	.....do	9
37.20	.....do	
37.22	.....do	
37.24	.....do	
37.26	.....do	9
37.28	.....do	
37.30	.....do	
37.32	.....do	
37.34	Mobile	
37.36	Base or mobile	
37.38	Mobile	
37.40	Base or mobile	
37.42	Mobile	
39.02	Base or mobile	
39.04	.....do	
39.06	.....do	9, 10
39.08	.....do	
39.10	.....do	9
39.12	.....do	
39.14	.....do	
39.16	.....do	
39.18	.....do	9
39.20	.....do	
39.22	.....do	
39.24	.....do	
39.26	Mobile	
39.28	Base or mobile	
39.30	Mobile	
39.32	Base or mobile	
39.34	Mobile	
39.36	Base or mobile	

POLICE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
39.38	Mobile	
39.40	Base or mobile	
39.42	.....do	
39.44	.....do	
39.46	.....do	11
39.48	.....do	
39.50	.....do	9
39.52	.....do	
39.54	.....do	
39.56	.....do	
39.58	.....do	9
39.60	.....do	
39.62	.....do	
39.64	.....do	
39.66	Mobile	
39.68	Base or mobile	
39.70	Mobile	
39.72	Base or mobile	
39.74	Mobile	
39.76	Base or mobile	
39.78	Mobile	
39.80	Base or mobile	
39.82	.....do	9
39.84	.....do	
39.86	.....do	
39.88	.....do	
39.90	.....do	9
39.92	.....do	
39.94	.....do	
39.96	.....do	
39.98	.....do	9
42.02	.....do	2, 3, 12
42.04	.....do	2, 3, 12
42.06	.....do	2, 3, 12
42.08	.....do	2, 3, 12
42.10	.....do	2, 3, 12
42.12	.....do	2, 3, 12
42.14	.....do	2, 3, 12
42.16	.....do	2, 3, 12
42.18	Mobile	2, 12
42.20	.....do	2, 12
42.22	.....do	2, 12
42.24	.....do	2, 12
42.26	.....do	2, 12
42.28	.....do	2, 12
42.30	.....do	2, 12
42.32	Base or mobile	2, 3, 12
42.34	.....do	2, 3, 12
42.36	.....do	2, 3, 12
42.38	.....do	2, 3, 12
42.40	.....do	2, 3, 12, 28
42.42	.....do	2, 3, 12
42.44	.....do	2, 3, 12
42.46	.....do	2, 3, 12
42.48	.....do	2, 3, 12
42.50	.....do	2, 3, 12
42.52	.....do	2, 3, 12
42.54	.....do	2, 3, 12
42.56	.....do	2, 3, 12
42.58	.....do	2, 3, 12
42.60	.....do	2, 3, 12
42.62	.....do	2, 3, 12
42.64	.....do	2, 3, 12
42.66	Mobile	2, 12
42.68	.....do	2, 12
42.70	.....do	2, 12
42.72	.....do	2, 12
42.74	.....do	2, 12
42.76	.....do	2, 12
42.78	.....do	2, 12
42.80	Base or mobile	2, 3, 12
42.82	.....do	2, 3, 12

POLICE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
42.84	.....do	2, 3, 12
42.86	.....do	2, 3, 12
42.88	.....do	2, 3, 12
42.90	.....do	2, 3, 12
42.92	.....do	2, 3, 12
42.94	.....do	2, 3, 12
44.62	.....do	2, 3, 12
44.66	.....do	2, 3, 12
44.70	.....do	2, 3, 12
44.74	.....do	2, 3, 12
44.78	Mobile	2, 12
44.82	.....do	2, 12
44.86	.....do	2, 12
44.90	.....do	2, 12
44.94	Base or mobile	2, 3, 12
44.98	.....do	2, 3, 12
45.02	.....do	2, 3, 12
45.06	.....do	2, 3, 12
45.10	.....do	
45.14	.....do	
45.18	.....do	
45.22	.....do	
45.26	Mobile	
45.30	.....do	
45.34	.....do	
45.38	.....do	
45.42	Base or mobile	
45.46	.....do	
45.50	.....do	
45.54	.....do	
45.58	.....do	
45.62	.....do	
45.66	.....do	
45.70	.....do	
45.74	Mobile	
45.78	.....do	
45.82	.....do	
45.86	Base or mobile	11
45.90	.....do	29
45.94	.....do	
45.98	.....do	
46.02	.....do	
72.00–76.00	Operational fixed	13
150 to 170	Base or mobile	33
154.650	Mobile	
154.6575	.....do	26
154.665	Base or mobile	12
154.6725	.....do	12, 26
154.680	.....do	12
154.6875	.....do	12, 26
154.695	.....do	12
154.7025	.....do	12, 26
154.710	Mobile	
154.7175	.....do	26
154.725	Base or mobile	
154.7325	.....do	26
154.740	.....do	
154.7475	.....do	26
154.755	.....do	
154.7625	.....do	26
154.770	Mobile	
154.7775	.....do	26
154.785	Base or mobile	
154.7925	.....do	26
154.800	.....do	
154.8075	.....do	26
154.815	.....do	
154.8225	.....do	26
154.830	Mobile	
154.8375	.....do	26
154.845	Base or mobile	
154.8525	.....do	26

POLICE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
154.860	do	
154.8675	do	26
154.875	do	
154.8825	do	26
154.890	Mobile	
154.8975	do	26
154.905	Base or mobile	12
154.9125	do	12, 26
154.920	do	12
154.9275	do	12, 26
154.935	do	12
154.9425	do	12, 26
154.950	Mobile	
154.9575	do	26
155.01	Base or mobile	
155.0175	do	26
155.07	do	
155.0775	do	26
155.13	do	
155.1375	do	26
155.19	do	
155.1975	do	26
155.25	do	
155.2575	do	26
155.31	do	
155.3175	do	26
155.370	do	
155.3775	do	26
155.415	do	
155.4225	do	26
155.430	do	
155.4375	do	26
155.445	do	12
155.4525	do	12, 26
155.460	do	12
155.4675	do	12, 26
155.475	do	14
155.4825	do	14, 26
155.490	do	
155.4975	do	26
155.505	do	12
155.5125	do	12, 26
155.520	do	
155.5275	do	26
155.535	do	
155.5425	do	26
155.550	do	
155.5575	do	26
155.565	do	
155.5725	do	26
155.580	do	
155.5875	do	26
155.595	do	
155.6025	do	26
155.610	do	
155.6175	do	26
155.625	do	
155.6325	do	26
155.640	do	
155.6475	do	26
155.655	do	
155.6625	do	26
155.670	do	
155.6775	do	26
155.685	do	
155.6925	do	26
155.700	do	
155.7075	do	26
155.730	do	
155.7375	do	26
155.79	do	
155.7975	do	26

POLICE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
155.85	Mobile	
155.8575	.....do	26
155.91	.....do	
155.9175	.....do	26
155.97	.....do	
155.9775	.....do	26
156.03	.....do	
156.0375	.....do	26
156.09	.....do	
156.0975	.....do	26
156.15	.....do	
156.1575	.....do	26
156.210	Base or mobile	
156.2175	.....do	26
158.7225	.....do	32
158.730	.....do	
158.7375	.....do	26
158.790	.....do	
158.7975	.....do	26
158.850	.....do	
158.8575	.....do	26
158.910	Mobile	
158.9175	.....do	26
158.970	.....do	
158.9775	.....do	26
159.030	.....do	
159.0375	.....do	26
159.090	Base or mobile	
159.0975	.....do	26
159.150	.....do	
159.1575	.....do	26
159.210	.....do	
159.2175	.....do	26
169–172	Mobile	30
173.075	Base or mobile	31
220–222	Base and mobile	4
450–470	Fixed, base, or mobile	15, 33
453.0375	Mobile	34
453.050	Base or mobile	16
453.05625	.....do	16, 32
453.06250	.....do	16, 26
453.06875	.....do	16, 32
453.0875	Mobile	34
453.100	Base or mobile	16
453.10625	.....do	16, 32
453.11250	.....do	16, 26
453.11875	.....do	16, 32
453.1375	Mobile	34
453.150	Base or mobile	16
453.15625	.....do	16, 32
453.16250	.....do	16, 26
453.16875	.....do	16, 32
453.1875	Mobile	34
453.200	Base or mobile	16
453.20625	.....do	16, 32
453.21250	.....do	16, 26
453.21875	.....do	16, 32
453.2375	Mobile	34
453.250	Base or mobile	16
453.25625	.....do	16, 32
453.26250	.....do	16, 26
453.26875	.....do	16, 32
453.2875	Mobile	34
453.300	Base or mobile	16
453.30625	.....do	16, 32
453.31250	.....do	16, 26
453.31875	.....do	16, 32
453.3375	Mobile	34
453.350	Base or mobile	16
453.35625	.....do	16, 32
453.36250	.....do	16, 26
453.36875	.....do	16, 32

POLICE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
453.3875	Mobile	34
453.400	Base or mobile	16
453.40625	.....do	16, 32
453.41250	.....do	16, 26
453.41875	.....do	16, 32
453.4375	Mobile	34
453.450	Base or mobile	16
453.45625	.....do	16, 32
453.46250	.....do	16, 26
453.46875	.....do	16, 32
453.4875	Mobile	34
453.500	Base or mobile	16
453.50625	.....do	16, 32
453.51250	.....do	16, 26
453.51875	.....do	16, 32
453.5375	Mobile	34
453.550	Base or mobile	16
453.55625	.....do	16, 32
453.56250	.....do	16, 26
453.56875	.....do	16, 32
453.5875	Mobile	34
453.600	Base or mobile	16
453.60625	.....do	16, 32
453.61250	.....do	16, 26
453.61875	.....do	16, 32
453.6375	Mobile	34
453.650	Base or mobile	16
453.65625	.....do	16, 32
453.66250	.....do	16, 26
453.66875	.....do	16, 32
453.6875	Mobile	34
453.700	Base of mobile	16
453.70625	.....do	16, 32
453.71250	.....do	16, 26
453.71875	.....do	16, 32
453.7375	Mobile	34
453.750	Base or mobile	16
453.75625	.....do	16, 32
453.76250	.....do	16, 26
453.76875	.....do	16, 32
453.7875	Mobile	34
453.800	Base or mobile	16
453.80625	.....do	16, 32
453.81250	.....do	16, 26
453.81875	.....do	16, 32
453.8375	Mobile	34
453.850	Base or mobile	16
453.85625	.....do	16, 32
453.86250	.....do	16, 26
453.86875	.....do	16, 32
453.8875	Mobile	34
453.900	Base or mobile	16
453.90625	.....do	16, 32
453.91250	.....do	16, 26
453.91875	.....do	16, 32
453.9375	Mobile	34
453.950	Base or mobile	16
453.95625	.....do	16, 32
453.96250	.....do	16, 26
453.96875	.....do	16, 32
458.0375	Mobile	34
458.050	.....do	16
458.05625	.....do	16, 32
458.06250	.....do	16, 26
458.06875	.....do	16, 32
458.0875	.....do	34
458.100	.....do	16
458.10625	.....do	16, 32
458.11250	.....do	16, 26
458.11875	.....do	16, 32
458.1375	.....do	34
458.150	.....do	16

POLICE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
458.15625	do	16, 32
458.16250	do	16, 26
458.16875	do	16, 32
458.1875	do	34
458.200	do	16
458.20625	do	16, 32
458.21250	do	16, 26
458.21875	do	16, 32
458.2375	do	34
458.250	do	16
458.25625	do	16, 32
458.26250	do	16, 26
458.26875	do	16, 32
458.2875	do	34
458.300	do	16
458.30625	do	16, 32
458.31250	do	16, 26
458.31875	do	16, 32
458.3375	do	34
458.350	do	16
458.35625	do	16, 32
458.36250	do	16, 26
458.36875	do	16, 32
458.3875	do	34
458.400	do	16
458.40625	do	16, 32
458.41250	do	16, 26
458.41875	do	16, 32
458.4375	do	34
458.450	do	16
458.45625	do	16, 32
458.46250	do	16, 26
458.46875	do	16, 32
458.4875	do	34
458.500	do	16
458.50625	do	16, 32
458.51250	do	16, 26
458.51875	do	16, 32
458.5375	do	34
458.550	do	16
458.55625	do	16, 32
458.56250	do	16, 26
458.56875	do	16, 32
458.5875	do	34
458.600	do	16
458.60625	do	16, 32
458.61250	do	16, 26
458.61875	do	16, 32
458.6375	do	34
458.650	do	16
458.65625	do	16, 32
458.66250	do	16, 26
458.66875	do	16, 32
458.6875	do	34
458.700	do	16
458.70625	do	16, 32
458.71250	do	16, 26
458.71875	do	16, 32
458.7375	do	34
458.750	do	16
458.75625	do	16, 32
458.76250	do	16, 26
458.76875	do	16, 32
458.7875	do	34
458.800	do	16
458.80625	do	16, 32
458.81250	do	16, 26
458.81875	do	16, 32
458.8375	do	34
458.850	do	16
458.85625	do	16, 32
458.86250	do	16, 26

POLICE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
458.86875	do	16, 32
458.8875	do	34
458.900	do	16
458.90625	do	16, 32
458.91250	do	16, 26
458.91875	do	16, 32
458.9375	do	34
458.950	do	16
458.95625	do	16, 32
458.96250	do	16, 26
458.96875	do	16, 32
460.0125	do	34
460.01875	Base or mobile	32
460.025	do	
460.03125	do	32
460.03750	do	26
460.04375	do	32
460.050	do	
460.05626	do	32
460.06250	do	26
460.06875	do	32
460.075	do	
460.08125	do	32
460.08750	do	26
460.09375	do	32
460.100	do	
460.10625	do	32
460.11250	do	26
460.11875	do	32
460.125	do	
460.13125	do	32
460.13750	do	26
460.14375	do	32
460.150	do	
460.15625	do	32
460.16250	do	26
460.16875	do	32
460.175	do	
460.18125	do	32
460.18750	do	26
460.19375	do	32
460.200	do	
460.20625	do	32
460.21250	do	26
460.21875	do	32
460.225	do	
460.23125	do	32
460.23750	do	26
460.24375	do	32
460.250	do	
460.25625	do	32
460.26250	do	26
460.26875	do	32
460.275	do	
460.28125	do	32
460.28750	do	26
460.29375	do	32
460.300	do	
460.30625	do	32
460.31250	do	26
460.31875	do	32
460.325	do	
460.33125	do	32
460.33750	do	26
460.34375	do	32
460.350	do	
460.35625	do	32
460.36250	do	26
460.36875	do	32
460.375	do	
460.38125	do	32
460.38750	do	26

POLICE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
460.39375	do	32
460.400	do	
460.40625	do	32
460.41250	do	26
460.41875	do	32
460.425	do	
460.43125	do	32
460.43750	do	26
460.44375	do	32
460.450	do	
460.45625	do	32
460.46250	do	26
460.46875	do	32
460.475	do	
460.48125	do	32
460.48750	do	26
460.49375	do	32
460.500	do	
460.50625	do	32
460.51250	do	26
460.51875	do	32
460.525	do	17
460.53125	do	17, 32
460.53750	do	17, 26
460.54375	do	17, 32
460.550	do	17
460.55625	do	17, 32
460.56250	do	17, 26
460.56875	do	17, 32
465.0125	Mobile	34
465.025	do	
465.03125	do	32
465.03750	do	26
465.04375	do	32
465.050	do	
465.05625	do	32
465.06250	do	26
465.06875	do	32
465.075	do	
465.08125	do	32
465.08750	do	26
465.09375	do	32
465.100	do	
465.10625	do	32
465.11250	do	26
465.11875	do	32
465.125	do	
465.13125	do	32
465.13750	do	26
465.14375	do	32
465.150	do	
465.15625	do	32
465.16250	do	26
465.16875	do	32
465.175	do	
465.18125	do	32
465.18750	do	26
465.19375	do	32
465.200	do	
465.20625	do	32
465.21250	do	26
465.21875	do	32
465.225	do	
465.23125	do	32
465.23750	do	26
465.24375	do	32
465.250	do	
465.25625	do	32
465.26250	do	26
465.26875	do	32
465.275	do	
465.28125	do	32

POLICE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
465.28750	do	26
465.29375	do	32
465.300	do	
465.30625	do	32
465.31250	do	26
465.31875	do	32
465.325	do	
465.33125	do	32
465.33750	do	26
465.34375	do	32
465.350	do	
465.35625	do	32
465.36250	do	26
465.36875	do	32
465.375	do	
465.38125	do	32
465.38750	do	26
465.39375	do	32
465.400	do	
465.40625	do	32
465.41250	do	26
465.41875	do	32
465.425	do	
465.43125	do	32
465.43750	do	26
465.44375	do	32
465.450	do	
465.45625	do	32
465.46250	do	26
465.46875	do	32
465.475	do	
465.48125	do	32
465.48750	do	26
465.49375	do	32
465.500	do	
465.50626	do	32
465.51250	do	26
465.51875	do	32
465.525	do	17
465.53125	do	17, 32
465.53750	do	17, 26
465.54375	do	17, 32
465.550	Base or mobile	17
465.55625	do	17, 32
465.56250	do	17, 26
465.56875	do	17, 32
470–512	do	21
806–824	Mobile	22
851–869	Base or mobile	22
928 and above	Operational-fixed	23
929—930	Base only	27
1427 to 1435	Operational fixed, base or mobile	24
2450 to 2500	Base or mobile	25
10,550 to 10,680*	do	

*The frequencies in the band 10.55–10.68 GHz are available for Digital Termination Systems and for associated internodal links in the Point-to-Point Microwave Radio Service. No new licenses will be issued under this Subpart but current licenses will be renewed.

(e) * * *

(19) [Reserved]

* * * * *

(26) This frequency is not available in the 150–170 MHz band until August 18, 1996. 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.

* * * * *

(32) This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(33) Assignment of frequencies in this band are subject to the provisions of § 90.173

(34) This frequency is available for systems first licensed prior to August 18, 1995. No new systems will be authorized after August 18, 1995, but prior authorized systems may be modified, expanded, and renewed.

* * * * *

(g) * * *

(3) * * *

(iii) The use of direct sequence spread spectrum equipment is also permitted.

Equipment must meet the technical standards of 47 CFR 15.247.

* * * * *

(5) 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. Section 90.21 is amended by revising the table of frequencies in paragraph (b), revising limitation (16), and adding limitations (20), (21), and (22) in paragraph (c), and revising paragraph (e)(3) to read as follows:

§ 90.21 Fire Radio Service.

* * * * *

(b) * * *

FIRE RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Kilohertz		
1630	Base or mobile	
Megahertz:		
33.42	Mobile or fixed	1
33.44	Base or mobile	
33.46	Mobile	
33.48	Base or mobile	
33.50	Mobile	
33.52	Base or mobile	
33.54	Mobile	
33.56	Base or mobile	
33.58	Mobile	
33.60	Base or mobile	
33.62	Mobile	
33.64	Base or mobile	
33.66	Mobile	
33.68	Base or mobile	
33.70	.....do	
33.72	.....do	
33.74	.....do	
33.76	.....do	
33.78	.....do	
33.80	.....do	
33.82	.....do	
33.84	.....do	
33.86	.....do	
33.88	.....do	
33.90	.....do	
33.92	.....do	
33.94	.....do	
33.96	.....do	
33.98	.....do	
45.88	.....do	2
46.06	.....do	
46.08	.....do	
46.10	.....do	
46.12	.....do	
46.14	.....do	
46.16	.....do	
46.18	.....do	
46.20	.....do	
46.22	Mobile	
46.24	.....do	
46.26	.....do	
46.28	.....do	
46.30	Mobile or fixed	1
46.32	Mobile	
46.34	.....do	
46.36	Base or mobile	
46.38	.....do	
46.40	.....do	
46.42	.....do	
46.44	.....do	
46.46	.....do	
46.48	.....do	
46.50	.....do	
72.00 to 76.00	Operational fixed	3
72.44	Mobile	19
72.48	.....do	19
72.52	.....do	19
72.56	.....do	19
72.60	.....do	19
75.44	.....do	19

FIRE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
75.48	.....do	19
75.52	.....do	19
75.56	.....do	19
75.60	.....do	19
150 to 170	Base or mobile	21
153.77	Mobile	
153.7775	.....do	16
153.83	Mobile	18
153.8375	.....do	18, 16
153.890	Mobile	
153.8975	.....do	16
153.950	.....do	
153.9575	.....do	16
154.010	.....do	
154.0175	.....do	16
154.070	.....do	4
154.0775	.....do	4, 16
154.130	Base or mobile	4
154.1375	.....do	4, 16
154.145	.....do	4
154.1525	.....do	4, 16
154.160	.....do	4
154.1675	.....do	4, 16
154.175	.....do	4
154.1825	.....do	4, 16
154.190	.....do	4
154.1975	.....do	4, 16
154.205	.....do	4
154.2125	.....do	4, 16
154.220	.....do	4
154.2275	.....do	4, 16
154.235	.....do	4
154.2425	.....do	4, 16
154.250	.....do	4
154.2575	.....do	4, 16
154.265	.....do	2, 4
154.2725	.....do	2, 4, 16
154.280	.....do	2, 4
154.2875	.....do	2, 4, 16
154.295	.....do	2, 4
154.3025	.....do	2, 4, 16
154.310	.....do	4
154.3175	.....do	4, 16
154.325	.....do	4
154.3325	.....do	4, 16
154.340	.....do	4
154.3475	.....do	4, 16
154.355	.....do	4
154.3625	.....do	4, 26
154.370	.....do	4
154.3775	.....do	4, 16
154.385	.....do	4
154.3925	.....do	4, 16
154.400	.....do	4
154.4075	.....do	4, 16
154.415	.....do	4
154.4225	.....do	4, 16
154.430	.....do	4
154.4375	.....do	4, 16
154.445	.....do	4
154.4525	.....do	4, 16
166.250	.....do	5
169–172	Mobile	14
170.150	Base or mobile	5
220–222	Base and mobile	17
450–470	Fixed, base, or mobile	6, 21
453.0375	Mobile	22
453.050	Base or mobile	7
453.05625	.....do	20
453.06250	.....do	16
453.06875	.....do	20
453.0875	Mobile	22

FIRE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
453.100	Base or mobile	7
453.10625	.....do	7, 20
453.11250	.....do	7, 16
453.11875	.....do	7, 20
453.1375	Mobile	22
453.150	Base or mobile	7
453.15625	.....do	7, 20
453.16250	.....do	7, 16
453.16875	.....do	7, 20
453.1875	Mobile	22
453.200	Base or mobile	7
453.20625	.....do	7, 20
453.21250	.....do	7, 16
453.21875	.....do	7, 20
453.2375	Mobile	22
453.250	Base or mobile	7
453.25625	.....do	7, 20
453.26250	.....do	7, 16
453.26875	.....do	7, 20
453.2875	Mobile	22
453.300	Base or mobile	7
453.30625	.....do	7, 20
453.31250	.....do	7, 16
453.31875	.....do	7, 20
453.3375	Mobile	22
453.350	Base or mobile	7
453.35625	.....do	7, 20
453.36250	.....do	7, 16
453.36875	.....do	7, 20
453.3875	Mobile	22
453.400	Base or mobile	7
453.40625	.....do	7, 20
453.41250	.....do	7, 16
453.41875	.....do	7, 20
453.4375	Mobile	22
453.450	Base or mobile	7
453.45625	.....do	7, 20
453.46250	.....do	7, 16
453.46875	.....do	7, 20
453.4875	Mobile	22
453.500	Base or mobile	7
453.50625	.....do	7, 20
453.51250	.....do	7, 16
453.51875	.....do	7, 20
453.5375	Mobile	22
453.550	Base or mobile	7
453.55625	.....do	7, 20
453.56250	.....do	7, 16
453.56875	.....do	7, 20
453.5875	Mobile	22
453.600	Base or mobile	7
453.60625	.....do	7, 20
453.61250	.....do	7, 16
453.61875	.....do	7, 20
453.6375	Mobile	22
453.650	Base or mobile	7
453.65625	.....do	7, 20
453.66250	.....do	7, 16
453.66875	.....do	7, 20
453.6875	Mobile	22
453.700	Base or mobile	7
453.70625	.....do	7, 20
453.71250	.....do	7, 16
453.71875	.....do	7, 20
453.7375	Mobile	22
453.750	Base or mobile	7
453.75625	.....do	7, 20
453.76250	.....do	7, 16
453.76875	.....do	7, 20
453.7875	Mobile	22
453.800	Base or mobile	7
453.80625	.....do	7, 20

FIRE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
453.81250	.....do	7, 16
453.81875	.....do	7, 20
453.8375	Mobile	7, 22
453.850	Base or mobile	7
453.85625	.....do	7, 20
453.86250	.....do	7, 16
453.86875	.....do	7, 20
453.8875	Mobile	22
453.900	Base or mobile	7
453.90625	.....do	7, 20
453.91250	.....do	7, 16
453.91875	.....do	7, 20
453.9375	Mobile	22
453.950	Base or mobile	7
453.95625	.....do	7, 20
453.96250	.....do	7, 16
453.96875	.....do	7, 20
458.0375	Mobile	22
458.050	.....do	7
458.05625	.....do	7, 20
458.06250	.....do	7, 16
458.06875	.....do	7, 20
458.0875	.....do	22
458.100	.....do	7
458.10625	.....do	7, 20
458.11250	.....do	7, 16
458.11875	.....do	7, 20
458.1375	.....do	22
458.150	.....do	7
458.15625	.....do	7, 20
458.16250	.....do	7, 16
458.16875	.....do	7, 20
458.1875	.....do	22
458.200	.....do	7
458.20625	.....do	7, 20
458.21250	.....do	7, 16
458.21875	.....do	7, 20
458.2375	.....do	22
458.250	.....do	7
458.25625	.....do	7, 20
458.26250	.....do	7, 16
458.26875	.....do	7, 20
458.2875	.....do	22
458.300	.....do	7
458.30625	.....do	7, 20
458.31250	.....do	7, 16
458.31875	.....do	7, 20
458.3375	.....do	22
458.350	.....do	7
458.35625	.....do	7, 20
458.36250	.....do	7, 16
458.36875	.....do	7, 20
458.3875	.....do	22
458.400	.....do	7
458.40625	.....do	7, 20
458.41250	.....do	7, 16
458.41875	.....do	7, 20
458.4375	.....do	22
458.450	.....do	7
458.45625	.....do	7, 20
458.46250	.....do	7, 16
458.46875	.....do	7, 20
458.4875	.....do	22
458.500	.....do	7
458.50625	.....do	7, 20
458.51250	.....do	7, 16
458.51875	.....do	7, 20
458.5375	.....do	22
458.550	.....do	7
458.55625	.....do	7, 20
458.56250	.....do	7, 16
458.56875	.....do	7, 20

FIRE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
458.5875	do	22
458.600	do	7
458.60625	do	7, 20
458.61250	do	7, 16
458.61875	do	7, 20
458.6375	do	22
458.650	do	7
458.65625	do	7, 20
458.66250	do	7, 16
458.66875	do	7, 20
458.6875	do	22
458.700	do	7
458.70625	do	7, 20
458.71250	do	7, 16
458.71875	do	7, 20
458.7375	do	22
458.750	do	7
458.75625	do	7, 20
458.76250	do	7, 16
458.76875	do	7, 20
458.7875	do	22
458.800	do	7
458.80625	do	7, 20
458.81250	do	7, 16
458.81875	do	7, 20
458.8375	do	22
458.850	do	7
458.85625	do	7, 20
458.86250	do	7, 16
458.86875	do	7, 20
458.8875	do	22
458.900	do	7
458.90625	do	7, 20
458.91250	do	7, 16
458.91875	do	7, 20
458.9375	do	22
458.950	do	7
458.95625	do	7, 20
458.96250	do	7, 16
458.96875	do	7, 20
460.5125	Mobile	22
460.525	Base or mobile	8
460.53125	do	8, 20
460.53750	do	8, 16
460.54375	do	8, 20
460.550	do	8
460.55625	do	8, 20
460.56250	do	8, 16
460.56875	do	8, 20
460.575	do	
460.58125	do	20
460.58750	do	16
460.59375	do	20
460.600	do	
460.60625	do	20
460.61250	do	16
460.61875	do	20
460.625	do	
460.63125	do	20
460.63750	do	16
460.64375	do	20
465.5125	Mobile	22
465.525	do	8
465.53125	do	8, 20
465.53750	do	8, 16
465.54375	do	8, 20
465.550	do	8
465.55625	do	8, 20
465.56250	do	8, 16
465.56875	do	8, 20
465.575	do	
465.58125	do	20

FIRE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
465.58750	.....do	16
465.59375	.....do	20
465.600	.....do	
465.60625	.....do	20
465.61250	.....do	16
465.61875	.....do	20
465.625	.....do	
465.63125	.....do	20
465.63750	.....do	16
465.64375	.....do	20
470–512	Base or mobile	9
806–824	Mobile	10
851–869	Base or mobile	10
928 and above	Operational fixed	11
929–930	Base only	15
1427 to 1435	Operational fixed, base or mobile	12
2450 to 2500	Base or mobile	13
10,550 to 10,680*	.....do	

*The frequencies in the band 10.55–1068 GHz are available for Digital Termination Systems and for associated internodal links in the Point-to-Point Microwave Radio Service. No new licenses will be issued under this subpart but current licenses will be renewed.

(c) * * *

(16) This frequency is not available in the 150–170 MHz band until August 18, 1996. 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.

* * * * *

(20) This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(21) Assignment of frequencies in this band are subject to the provisions of § 90.173

(22) This frequency is available for systems first licensed prior to August 18, 1995. No new systems will be authorized after August 18, 1995, but prior authorized systems may be modified, expanded, and renewed.

* * * * *

(e) * * *

(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.

* * * * *

5. Section 90.23 is amended by revising the table of frequencies in paragraph (b), revising limitation (18), and adding limitations (20), (21), (22), and (23) in paragraph (c), and revising paragraph (e)(2) to read as follows:

§ 90.23 Highway Maintenance Radio Service.

* * * * *

(b) * * *

HIGHWAY MAINTENANCE RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Megahertz:		
33.02	Base or mobile	1
33.06	.....do	1
33.10	.....do	1
37.90	.....do	1
37.92	.....do	
37.94	.....do	1
37.96	.....do	
37.98	.....do	1
45.68	.....do	
45.72	.....do	
45.76	.....do	
45.80	.....do	
45.84	.....do	
47.02	.....do	2, 17
47.04	.....do	2, 17
47.06	.....do	2, 17
47.08	.....do	2, 17
47.10	.....do	2, 17
47.12	.....do	2, 17
47.14	.....do	2, 17
47.16	.....do	2, 17
47.18	.....do	2, 17
47.20	.....do	2, 17
47.22	.....do	2, 17
47.24	.....do	2, 17
47.26	.....do	2, 17

HIGHWAY MAINTENANCE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
47.28	.....do	2, 17
47.30	.....do	2, 17
47.32	.....do	2, 17
47.34	.....do	2, 17
47.36	.....do	2, 17
47.38	.....do	2, 17
47.40	.....do	2, 17
72.00 to 76.00	Operational fixed	3
150 to 170	Base or mobile	21
150.995	.....do	4
151.0025	.....do	4, 18
151.010	.....do	4
151.0175	.....do	4, 18
151.025	.....do	4
151.0325	.....do	4, 18
151.040	.....do	4
151.0475	.....do	4, 18
151.055	.....do	4
151.070	.....do	4, 22
151.085	.....do	4
151.0925	.....do	4, 18
151.100	.....do	4
151.1075	.....do	4, 18
151.115	.....do	4
151.1225	.....do	4, 18
151.130	.....do	4
151.1375	.....do	4, 18
156.045	Mobile	14
156.0525	.....do	14, 18
156.060	.....do	14
156.0675	.....do	14, 18
156.075	.....do	
156.0825	.....do	18
156.105	Base or mobile	
156.1125	.....do	18
156.120	.....do	
156.1275	.....do	18
156.135	.....do	
156.1425	.....do	18
156.165	.....do	5, 14
156.1725	.....do	5, 14, 18
156.180	.....do	5, 14
156.1875	.....do	5, 14, 18
156.195	.....do	5
156.2025	.....do	5, 18
156.225	.....do	5
156.2325	.....do	5, 18
156.240	.....do	5
156.2475	.....do	5, 20
158.985	Mobile	5
158.9925	.....do	5, 18
159.000	.....do	5
159.0075	.....do	5, 18
159.015	.....do	5
159.0225	.....do	5, 18
159.045	.....do	5
159.0525	.....do	5, 18
159.060	.....do	5
159.0675	.....do	5, 18
159.075	.....do	5
159.0825	.....do	5, 18
159.105	Base or mobile	5
159.1125	.....do	5, 18
159.120	.....do	5
159.1275	.....do	5, 18
159.135	.....do	5
159.1425	.....do	5, 18
159.165	.....do	5
159.1725	.....do	5, 18
159.180	.....do	
159.1875	.....do	18
159.195	.....do	

HIGHWAY MAINTENANCE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
159.2025	.....do	18
169–172	Mobile	15
220–222	Base and mobile	19
450–470	Fixed, base, or mobile	7, 21
453.0375	Mobile	23
453.050	Base or mobile	8
453.05625	.....do	8, 20
453.06250	.....do	8, 18
453.06875	.....do	8, 20
453.0875	Mobile	23
453.100	Base or mobile	8
453.10625	.....do	8, 20
453.11250	.....do	8, 18
453.11875	.....do	8, 20
453.1375	Mobile	23
453.150	Base or mobile	8
453.15625	.....do	8, 20
453.16250	.....do	8, 18
453.16875	.....do	8, 20
453.1875	Mobile	23
453.200	Base or mobile	8
453.20625	.....do	8, 20
453.21250	.....do	8, 18
453.21875	.....do	8, 20
453.2375	Mobile	23
453.250	Base or mobile	8
453.25625	.....do	8, 20
453.26250	.....do	8, 18
453.26875	.....do	8, 20
453.2875	Mobile	23
453.300	Base or mobile	8
453.30625	.....do	8, 20
453.31250	.....do	8, 18
453.31875	.....do	8, 20
453.3375	Mobile	23
453.350	Base or mobile	8
453.35625	.....do	8, 20
453.36250	.....do	8, 18
453.36875	.....do	8, 20
453.3875	Mobile	23
453.400	Base or mobile	8
453.40625	.....do	8, 20
453.41250	.....do	8, 18
453.41875	.....do	8, 20
453.4375	Mobile	23
453.450	Base or mobile	8
453.45625	.....do	8, 20
453.46250	.....do	8, 18
453.46875	.....do	8, 20
453.4875	Mobile	23
453.500	Base or mobile	8
453.50625	.....do	8, 20
453.51250	.....do	8, 18
453.51875	.....do	8, 20
453.5375	Mobile	23
453.550	Base or mobile	8
453.55625	.....do	8, 20
453.56250	.....do	8, 18
453.56875	.....do	8, 20
453.5875	Mobile	23
453.600	Base or mobile	8
453.60625	.....do	8, 20
453.61250	.....do	8, 18
453.61875	.....do	8, 20
453.6375	Mobile	23
453.650	Base or mobile	8
453.65625	.....do	8, 20
453.66250	.....do	8, 18
453.66875	.....do	8, 20
453.6875	Mobile	23
453.700	Base or mobile	9
453.70625	.....do	9, 20

HIGHWAY MAINTENANCE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
453.71250	.....do	9, 18
453.71875	.....do	9, 20
453.7375	Mobile	23
453.750	Base or mobile	8
453.75625	.....do	8, 20
453.76250	.....do	8, 18
453.76875	.....do	8, 20
453.7875	Mobile	23
453.800	Base or mobile	8
453.80625	.....do	8, 20
453.81250	.....do	8, 18
453.81875	.....do	8, 20
453.8375	Mobile	23
453.850	Base or mobile	8
453.85625	.....do	8, 20
453.86250	.....do	8, 18
453.86875	.....do	8, 20
453.8875	Mobile	23
453.900	Base or mobile	8
453.90625	.....do	8, 20
453.91250	.....do	8, 18
453.91875	.....do	8, 20
453.9375	Mobile	23
453.950	Base or mobile	8
453.95625	.....do	8, 20
453.96250	.....do	8, 18
453.96875	.....do	8, 20
458.0375	Mobile	23
458.050	.....do	8
458.05625	.....do	8, 20
458.06250	.....do	8, 18
458.06875	.....do	8, 20
458.0875	.....do	23
458.100	.....do	8
458.10625	.....do	8, 20
458.11250	.....do	8, 18
458.11875	.....do	8, 20
458.1375	.....do	23
458.150	.....do	8
458.15625	.....do	8, 20
458.16250	.....do	8, 18
458.16875	.....do	8, 20
458.1875	.....do	23
458.200	.....do	8
458.20625	.....do	8, 20
458.21250	.....do	8, 18
458.21875	.....do	8, 20
458.2375	.....do	23
458.250	.....do	8
458.25625	.....do	8, 20
458.26250	.....do	8, 18
458.26875	.....do	8, 20
458.2875	.....do	23
458.300	.....do	8
458.30625	.....do	8, 20
458.31250	.....do	8, 18
458.31875	.....do	8, 20
458.3375	.....do	23
458.350	.....do	8
458.35625	.....do	8, 20
.		
458.36250	.....do	8, 18
458.36875	.....do	8, 20
458.3875	.....do	23
458.400	.....do	8
458.40625	.....do	8, 20
458.41250	.....do	8, 18
458.41875	.....do	8, 20
458.4375	.....do	23
458.450	.....do	8
458.45625	.....do	8, 20
458.46250	.....do	8, 18

HIGHWAY MAINTENANCE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
458.46875	do	8, 20
458.4875	do	23
458.500	do	8
458.50625	do	8, 20
458.51250	do	8, 18
458.51875	do	8, 20
458.5375	do	23
458.550	do	8
458.55625	do	8, 20
458.56250	do	8, 18
458.56875	do	8, 20
458.5875	do	23
458.600	do	8
458.60625	do	8, 20
458.61250	do	8, 18
458.61875	do	8, 20
458.6375	do	23
458.650	do	8
458.65625	do	8, 20
458.66250	do	8, 18
458.66875	do	8, 20
458.6875	do	23
458.700	do	8
458.70625	do	8, 20
458.71250	do	8, 18
458.71875	do	8, 20
458.7375	do	23
458.750	do	8
458.75625	do	8, 20
458.76250	do	8, 18
458.76875	do	8, 20
458.7875	do	23
458.800	do	8
458.80625	do	8, 20
458.81250	do	8, 18
458.81875	do	8, 20
458.8375	do	23
458.850	do	8
458.85625	do	8, 20
458.86250	do	8, 18
458.86875	do	8, 20
458.8875	do	23
458.900	do	8
458.90625	do	8, 20
458.91250	do	8, 18
458.91875	do	8, 20
458.9375	do	23
458.950	do	8
458.95625	do	8, 20
458.96250	do	8, 18
458.96875	do	8, 20
470–512	Base or mobile	9
806–824	Mobile	10
851–869	Base or mobile	10
928 and above	Operational-fixed	11
929–930	Base only	16
1427–1435	Operational fixed, base or mobile	12
2450–2500	Base or mobile	13
10,550 to 10,680	do	

*The frequencies in the band 10.55–10.68 GHz are available for Digital Termination Systems and for associated internodal links in the Point-to-Point Microwave Radio Service. No new licenses will be issued under this Subpart but current licenses will be renewed.

(c) * * *

(18) This frequency is not available in the 150–170 MHz band until August 18, 1996. 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.

* * * * *

(20) This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(21) Assignment of frequencies in this band are subject to the provisions of § 90.173.

(22) This frequency will be authorized a channel bandwidth of 25 kHz.

(23) This frequency is available for systems first licensed prior to August 18, 1995. No new systems will be authorized after August 18, 1995, but prior authorized systems may be modified, expanded, and renewed.

* * * * *

(e) * * *

(2) 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.

* * * * *

6. Section 90.25 is amended by revising the table of frequencies in paragraph (b), revising limitation (22), and adding limitations (24), (25), (26), and (27) in paragraph (c), and revising paragraph (e)(2) to read as follows:

§ 90.25 Forestry-Conservation Radio Service.

* * * * *

(b) * * *

FORESTRY-CONSERVATION RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Kilohertz:		
2212	Base or mobile	1
2226	do	1
2236	do	1
2244	do	1
Megahertz:		
30.86	do	2
30.90	do	2
30.94	do	2
30.98	do	2
31.02	do	2
31.06	do	2, 3, 4
31.10	do	2, 3, 4
31.14	do	2, 3, 4
31.18	do	3, 4
31.22	do	3, 4
31.26	do	3, 4
31.30	do	3, 4
31.34	do	3, 4
31.38	do	3, 4
31.42	do	3, 4
31.46	do	3, 4
31.50	do	3, 4
31.54	do	3, 4
31.58	do	3, 4
31.62	do	3, 4
31.66	do	3, 4
31.70	do	3, 4
31.74	do	3, 4
31.78	do	3, 4
31.82	do	3, 4
31.86	do	3, 4
31.90	do	3, 4
31.94	do	3, 4
31.98	do	3, 4
44.64	do	
44.68	do	
44.72	do	
44.76	do	
44.80	do	
44.84	do	
44.88	do	
44.92	do	
44.96	do	
45.00	do	
45.04	do	
72.00 to 76.00	Operational fixed	5
150 to 170	Base or mobile	25
151.145	do	6
151.1525	do	6, 22
151.160	do	6
151.1675	do	6, 22
151.175	do	6
151.190	do	6, 26
151.205	do	6
151.2125	do	6, 22
151.220	do	6
151.2275	do	6, 22
151.235	do	6
151.2425	do	6, 22

FORESTRY-CONSERVATION RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
151.250	do	6
151.2575	do	6, 22
151.265	do	6
151.2725	do	6, 22
151.280	do	6
151.2875	do	6, 22
151.295	do	6
151.310	do	6, 26
151.325	do	6
151.3325	do	6, 22
151.340	do	6
151.3475	do	6, 22
151.355	do	6
151.3625	do	6, 22
151.370	do	6
151.3775	do	6, 22
151.385	do	6
151.3925	do	6, 22
151.400	do	6
151.4075	do	6, 22
151.415	do	6
151.4225	do	6, 22
151.430	do	6
151.4375	do	6, 22
151.445	do	6
151.4525	do	6, 22
151.460	do	6
151.4675	do	6, 22
151.475	do	6
151.4825	do	6, 22
151.490	do	6, 7
151.4975	do	6, 7, 22
159.225	do	
159.2325	do	22
159.240	do	8
159.2475	do	8, 22
159.255	do	8
159.2625	do	8, 22
159.270	do	8
159.2775	do	8, 22
159.285	do	8
159.2925	do	8, 22
159.300	do	8
159.3075	do	8, 22
159.315	do	8
159.3225	do	8, 22
159.330	do	8
159.3375	do	8, 22
159.345	do	8
159.3525	do	8, 22
159.360	do	8
159.3675	do	8, 22
159.375	do	8
159.3825	do	8, 22
159.390	do	8
159.3975	do	8, 22
159.405	do	8
159.4125	do	8, 22
159.420	do	8
159.4275	do	8, 22
159.435	do	8
159.4425	do	8, 22
159.450	do	
159.4575	do	22
159.465	do	
159.4725	do	22
169–172	Mobile	20
170.425	Base or mobile	4, 9, 10
170.475	do	4, 9, 11
170.575	do	4, 9, 10
171.425	do	4, 9, 11
171.475	do	4, 10, 12

FORESTRY-CONSERVATION RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
171.575	.....do	4, 9, 11
172.225	.....do	4, 9, 10
172.275	.....do	4, 11, 12
172.375	.....do	4, 9, 10
220–222	Base and mobile	23
450–470	Fixed, base or mobile	13, 25
453.0375	Mobile	27
453.050	Base or mobile	14
453.05625	.....do	14, 24
453.06250	.....do	14, 22
453.06875	.....do	14, 24
453.0875	Mobile	27
453.100	Base or mobile	14
453.10625	.....do	14, 24
453.11250	.....do	14, 22
453.11875	.....do	14, 24
453.1375	Mobile	27
453.150	Based or mobile	14
453.15625	.....do	14, 24
453.16250	.....do	14, 22
453.16875	.....do	14, 24
453.1875	Mobile	27
453.200	Base or mobile	14
453.20625	.....do	14, 24
453.21250	.....do	14, 22
453.21875	.....do	14, 24
453.2375	Mobile	27
453.250	Base or mobile	14
453.25625	.....do	14, 24
453.26250	.....do	14, 22
453.26875	.....do	14, 24
453.2875	Mobile	27
453.300	Base or mobile	14
453.30625	.....do	14, 24
453.31250	.....do	14, 22
453.31875	.....do	14, 24
453.3375	Mobile	27
453.350	Base or mobile	14
453.35625	.....do	14, 24
453.36250	.....do	14, 22
453.36875	.....do	14, 24
453.3875	Mobile	27
453.400	Base or mobile	14
453.40625	.....do	14, 24
453.41250	.....do	14, 22
453.41875	.....do	14, 24
453.4375	Mobile	27
453.450	Base or mobile	14
453.45625	.....do	14, 24
453.46250	.....do	14, 22
453.46875	.....do	14, 24
453.4875	Mobile	27
453.500	Base or mobile	14
453.50625	.....do	14, 24
453.51250	.....do	14, 22
453.51875	.....do	14, 24
453.5375	Mobile	27
453.550	Base or mobile	14
453.55625	.....do	14, 24
453.56250	.....do	14, 22
453.56875	.....do	14, 24
453.5875	Mobile	27
453.600	Base or mobile	14
453.60625	.....do	14, 24
453.61250	.....do	14, 22
453.61875	.....do	14, 24
453.6375	Mobile	27
453.650	Base or mobile	14
453.65625	.....do	14, 24
453.66250	.....do	14, 22
453.66875	.....do	14, 24
453.6875	Mobile	27

FORESTRY-CONSERVATION RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
453.700	Base or mobile	14
453.70625	.....do	14, 24
453.71250	.....do	14, 22
453.71875	.....do	14, 24
453.7375	Mobile	27
453.750	Base or mobile	14
453.75625	.....do	14, 24
453.76250	.....do	14, 22
453.76875	.....do	14, 24
453.7875	Mobile	27
453.800	Base or mobile	14
453.80625	.....do	14, 24
453.81250	.....do	14, 22
453.81875	.....do	14, 24
453.8375	Mobile	27
453.850	Base or mobile	14
453.85625	.....do	14, 24
453.86250	.....do	14, 22
453.86875	.....do	14, 24
453.8875	Mobile	27
453.900	Base or mobile	14
453.90625	.....do	14, 24
453.91250	.....do	14, 22
453.91875	.....do	14, 24
453.9375	Mobile	27
453.950	Base or mobile	14
453.95625	.....do	14, 24
453.96250	.....do	14, 22
453.96875	.....do	14, 24
458.0375	Mobile	27
458.050	.....do	14
458.05625	.....do	14, 24
458.06250	.....do	14, 22
458.06875	.....do	14, 24
458.0875	.....do	27
458.100	.....do	14
458.10625	.....do	14, 24
458.11250	.....do	14, 22
458.11875	.....do	14, 24
458.1375	.....do	27
458.150	.....do	14
458.15625	.....do	14, 24
458.16250	.....do	14, 22
458.16875	.....do	14, 24
458.1875	.....do	27
458.200	.....do	14
458.20625	.....do	14, 24
458.21250	.....do	14, 22
458.21875	.....do	14, 24
458.2375	.....do	27
458.250	.....do	14
458.25625	.....do	14, 24
458.26250	.....do	14, 22
458.26875	.....do	14, 24
458.2875	.....do	27
458.300	.....do	14
458.30625	.....do	14, 24
458.31250	.....do	14, 22
458.31875	.....do	14, 24
458.3375	.....do	27
458.350	.....do	14
458.35625	.....do	14, 24
458.36250	.....do	14, 22
458.36875	.....do	14, 24
458.3875	.....do	27
458.400	.....do	14
458.40625	.....do	14, 24
458.41250	.....do	14, 22
458.41875	.....do	14, 24
458.4375	.....do	27
458.450	.....do	14
458.45625	.....do	14, 24

FORESTRY-CONSERVATION RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
458.46250	do	14, 22
458.46875	do	14, 24
458.4875	do	27
458.500	do	14
458.50625	do	14, 24
458.51250	do	14, 22
458.51875	do	14, 24
458.5375	do	27
458.550	do	14
458.55625	do	14, 24
458.56250	do	14, 22
458.56875	do	14, 24
458.5875	do	27
458.600	do	14
458.60625	do	14, 24
458.61250	do	14, 22
458.61875	do	14, 24
458.6375	do	27
458.650	do	14
458.65625	do	14, 24
458.66250	do	14, 22
458.66875	do	14, 24
458.6875	do	27
458.700	do	14
458.70625	do	14, 24
458.71250	do	14, 22
458.71875	do	14, 24
458.7375	do	27
458.750	do	14
458.75625	do	14, 24
458.76250	do	14, 22
458.76875	do	14, 24
458.7875	do	27
458.800	do	14
458.80625	do	14, 24
458.81250	do	14, 22
458.81875	do	14, 24
458.8375	do	27
458.850	do	14
458.85625	do	14, 24
458.86250	do	14, 22
458.86875	do	14, 24
458.8875	do	27
458.900	do	14
458.90625	do	14, 24
458.91250	do	14, 22
458.91875	do	14, 24
458.9375	do	27
458.950	do	14
458.95625	do	14, 24
458.96250	do	14, 22
458.96875	do	14, 24
470 to 512	Base or mobile	15
806 to 824	Mobile	16
851 to 869	Base or Mobile	16
928 and above	Operational fixed	17
929 to 930	Base only	21
1427 to 1435	Operational fixed, base or mobile	18
2450 to 2500	Base or mobile	19
10,550 to 10,680*	do	

*The frequencies in the band 10.55–10.68 GHz are available for Digital Termination Systems and for associated internodal links in the Point-to-Point Microwave Radio Service. No new licenses will be issued under this Subpart but current licenses will be renewed.

(c) * * *

(22) This frequency is not available in the 150–170 MHz band until August 18, 1996. 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.

* * * * *

(24) This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(25) Assignment of frequencies in this band are subject to the provisions of § 90.173.

(26) This frequency will be authorized a channel bandwidth of 25 kHz.

(27) This frequency is available for systems first licensed prior to August 18, 1995. No new systems will be authorized after August 18, 1995, but prior authorized systems may be modified, expanded, and renewed.

* * * * *

(e) * * *

(2) 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.

* * * * *

7. Section 90.27 is amended by revising the table of frequencies in paragraph (b), revising limitation (2) and (11), removing and reserving limitation (12), revising the introductory text and paragraphs (i) and (ii) of limitation (13), and adding limitations (27) and (28) in paragraph (c) to read as follows:

§ 90.27 Emergency Medical Radio Service.

* * * * *

(b) * * *

EMERGENCY MEDICAL RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Megahertz:		
72.00 to 76.00	Operational fixed	1
150 to 170	Base or mobile	28
150.775	Mobile.	
150.7825	.....do	2
150.790	.....do	
150.7975	.....do	
150.805	.....do	
155.325	Base or mobile	3, 4
155.3325	.....do	2, 3, 4
155.340	.....do	4, 5
155.3475	.....do	2, 4, 5
155.355	.....do	3, 4
155.3625	.....do	2, 3, 4
155.385	.....do	3, 4
155.3925	.....do	2, 3, 4
155.400	.....do	3, 4
155.4075	.....do	2, 3, 4
169–172	Mobile	6
220.9025	Base	25
220.9075	.....do	25
220.9125	.....do	25
220.9175	.....do	25
220.9225	.....do	25
221.9025	Mobile	25
221.9075	.....do	25
221.9125	.....do	25
221.9175	.....do	25
221.9225	.....do	25
450 to 470	Fixed, base, or mobile	7, 28
453.025	Base	9, 19, 22, 26
453.03125	.....do	9, 19, 22, 26, 27
453.03750	.....do	2, 9, 19, 22, 26
453.04375	.....do	9, 19, 22, 26, 27
453.050	Base or mobile	8
453.05625	.....do	8, 27
453.06250	.....do	2, 8
453.06875	.....do	8, 27
453.075	Base	9, 19, 22, 26
453.08125	.....do	9, 19, 22, 26, 27
453.08750	.....do	2, 9, 19, 22, 26
453.09375	.....do	9, 19, 22, 26, 27
453.100	Base or mobile	8
453.10625	.....do	8, 27
453.11250	.....do	2, 8
453.11875	.....do	8, 27
453.125	Base	9, 19, 22, 26
453.13125	.....do	9, 19, 22, 26, 27
453.13750	.....do	2, 9, 19, 22, 26
453.14375	.....do	9, 19, 22, 26, 27
453.150	Base or mobile	8
453.15625	.....do	8, 27
453.16250	.....do	2, 8
453.16875	.....do	8, 27
453.175	Base	9, 19, 22, 26
453.18125	.....do	9, 19, 22, 26, 27
453.18750	.....do	2, 9, 19, 22, 26
453.19375	.....do	9, 19, 22, 26, 27
453.200	Base or mobile	8
453.20625	.....do	8, 27

EMERGENCY MEDICAL RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
453.21250	do	2, 8
453.21875	do	8, 27
453.250	do	8
453.25625	do	8, 27
453.26250	do	2, 8
453.26875	do	8, 27
453.300	do	8
453.30625	do	8, 27
453.31250	do	2, 8
453.31875	do	8, 27
453.350	do	8
453.35625	do	8, 27
453.36250	do	2, 8
453.36875	do	8, 27
453.400	do	8
453.40625	do	8, 27
453.41250	do	2, 8
453.41875	do	8, 27
453.450	do	8
453.45625	do	8, 27
453.46250	do	2, 8
453.46875	do	8, 27
453.500	do	8
453.50625	do	8, 27
453.51250	do	2, 8
453.51875	do	8, 27
453.550	do	8
453.55625	do	8, 27
453.56250	do	2, 8
453.56875	do	8, 27
453.600	do	8
453.60625	do	8, 27
453.61250	do	2, 8
453.61875	do	8, 27
453.650	do	8
453.65625	do	8, 27
453.66250	do	2, 8
453.66875	do	8, 27
453.700	do	8
453.70625	do	8, 27
453.71250	do	2, 8
453.71875	do	8, 27
453.750	do	8
453.75625	do	8, 27
453.76250	do	2, 8
453.76875	do	8, 27
453.800	do	8
453.80625	do	8, 27
453.81250	do	2, 8
453.81875	do	8, 27
453.850	do	8
453.85625	do	8, 27
453.86250	do	2, 8
453.86875	do	8, 27
453.900	do	8
453.90625	do	8, 27
453.91250	do	2, 8
453.91875	do	8, 27
453.950	do	8
453.95625	do	8, 27
453.96250	do	2, 8
453.96875	do	8, 27
458.025	Mobile	9, 22, 26
458.03125	do	9, 22, 26, 27
458.03750	do	2, 9, 22, 26
458.04375	do	9, 22, 26, 27
458.050	do	8
458.05625	do	8, 27
458.06250	do	2, 8
458.06875	do	8, 27
458.075	do	9, 22, 26
458.08125	do	9, 22, 26, 27

EMERGENCY MEDICAL RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
458.08750	do	2, 9, 22, 26
458.09375	do	9, 22, 26, 27
458.100	do	8
458.10625	do	8, 27
458.11250	do	2, 8
458.11875	do	8, 27
458.125	do	9, 22, 26
458.13125	do	9, 22, 26, 27
458.13750	do	2, 9, 22, 26
458.14375	do	9, 22, 26, 27
458.150	do	8
458.15625	do	8, 27
458.16250	do	2, 8
458.16875	do	8, 27
458.175	do	9, 22, 26
458.18125	do	9, 22, 26, 27
458.18750	do	2, 9, 22, 26
458.19375	do	9, 22, 26, 27
458.200	do	8
458.20625	do	8, 27
458.21250	do	2, 8
458.21875	do	8, 27
458.250	do	8
458.25625	do	8, 27
458.26250	do	2, 8
458.26875	do	8, 27
458.300	do	8
458.30625	do	8, 27
458.31250	do	2, 8
458.31875	do	8, 27
458.350	do	8
458.35625	do	8, 27
458.36250	do	2, 8
458.36875	do	8, 27
458.400	do	8
458.40625	do	8, 27
458.41250	do	2, 8
458.41875	do	8, 27
458.450	do	8
458.45625	do	8, 27
458.46250	do	2, 8
458.46875	do	8, 27
458.500	do	8
458.50625	do	8, 27
458.51250	do	2, 8
458.51875	do	8, 27
458.550	do	8
458.55625	do	8, 27
458.56250	do	2, 8
458.56875	do	8, 27
458.600	do	8
458.60625	do	8, 27
458.61250	do	2, 8
458.61875	do	8, 27
458.650	do	8
458.65625	do	8, 27
458.66250	do	2, 8
458.66875	do	8, 27
458.700	do	8
458.70625	do	8, 27
458.71250	do	2, 8
458.71875	do	8, 27
458.750	do	8
458.75625	do	8, 27
458.76250	do	2, 8
458.76875	do	8, 27
458.800	do	8
458.80625	do	8, 27
458.81250	do	2, 8
458.81875	do	8, 27
458.850	do	8
458.85625	do	8, 27

EMERGENCY MEDICAL RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
458.86250	do	2, 8
458.86875	do	8, 27
458.900	do	8
458.90625	do	8, 27
458.91250	do	2, 8
458.91875	do	8, 27
458.950	do	8
458.95625	do	8, 27
458.96250	do	2, 8
458.96875	do	8, 27
460.525	Base or mobile	10
460.53125	do	10, 27
460.53750	do	2, 10
460.54375	do	10, 27
460.550	do	10
460.55625	do	10, 27
460.56250	do	2, 10
460.56875	do	10, 27
462.950	do	3, 11
462.95625	do	3, 11, 27
462.96250	do	2, 3, 11
462.96875	do	3, 11, 27
462.975	do	3, 11
462.98125	do	3, 11, 27
462.98750	do	2, 3, 11
462.99375	do	3, 11, 27
463.000	do	9, 13, 20
463.00625	do	9, 13, 20, 27
463.01250	do	2, 9, 13, 20
463.01875	do	9, 13, 20, 27
463.025	do	9, 13, 20
463.03125	do	9, 13, 20, 27
463.03750	do	2, 9, 13, 20
463.04375	do	9, 13, 20, 27
463.050	do	9, 13, 20
463.05625	do	9, 13, 20, 27
463.06250	do	2, 9, 13, 20
463.06875	do	9, 13, 20, 27
463.075	do	9 ,13, 21
463.08125	do	9, 13, 21, 27
463.08750	do	2, 9, 13, 21
463.09375	do	9, 13, 21, 27
463.100	do	9, 13, 21
463.10625	do	9, 13, 21, 27
463.11250	do	2, 9, 13, 21
463.11875	do	9, 13, 21, 27
463.125	do	9, 13, 21
463.13125	do	9, 13, 21, 27
463.13750	do	2, 9, 13, 21
463.14375	do	9, 13, 21, 27
463.150	do	9, 13, 21
463.15625	do	9, 13, 21, 27
463.16250	do	2, 9, 13, 21
463.16875	do	9, 13, 21, 27
463.175	do	9, 13, 21
463.18125	do	9, 13, 21, 27
463.18750	do	2, 9, 13, 21
463.19375	do	9, 13, 21, 27
465.525	Mobile	10
465.53125	do	10, 27
465.53750	do	2, 10
465.54375	do	10, 27
465.550	do	10
465.55625	do	10, 27
465.56250	do	2, 10
465.56875	do	10, 27
467.950	do	3, 11
467.95625	do	3, 11, 27
467.96250	do	2, 3, 11
467.96875	do	3, 11, 27
467.975	do	3, 11
467.98125	do	3, 11, 27

EMERGENCY MEDICAL RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
467.98750	.....do	2, 3, 11
467.99375	.....do	3, 11, 27
468.000	.....do	9, 13, 20
468.00625	.....do	9, 13, 20, 27
468.01250	.....do	2, 9, 13, 20
468.01875	.....do	9, 13, 20, 27
468.025	.....do	9, 13, 20
468.03125	.....do	9, 13, 20, 27
468.03750	.....do	2, 9, 13, 20
468.04375	.....do	9, 13, 20, 27
468.050	.....do	9, 13, 20
468.05625	.....do	9, 13, 20, 27
468.06250	.....do	2, 9, 13, 20
468.06875	.....do	9, 13, 20, 27
468.075	.....do	9, 13, 21
468.08125	.....do	9, 13, 21, 27
468.08750	.....do	2, 9, 13, 21
468.09375	.....do	9, 13, 21, 27
468.100	.....do	9, 13, 21
468.10625	.....do	9, 13, 21, 27
468.11250	.....do	2, 9, 13, 21
468.11875	.....do	9, 13, 21, 27
468.125	.....do	9, 13, 21
468.13125	.....do	9, 13, 21, 27
468.13750	.....do	2, 9, 13, 21
468.14375	.....do	9, 13, 21, 27
468.150	.....do	9, 13, 21
468.15625	.....do	9, 13, 21, 27
468.16250	.....do	2, 9, 13, 21
468.16875	.....do	9, 13, 21, 27
468.175	.....do	9, 13, 21
468.18125	.....do	9, 13, 21, 27
468.18750	.....do	2, 9, 13, 21
468.19375	.....do	9, 13, 21, 27
470 to 512	Base or Mobile	14
806 to 824	Mobile	15
851 to 869	Base or Mobile	15
928 and above	Operational fixed	16
929 to 930	Base only	24
1427 to 1435	Operational fixed base or mobile	17
2450 to 2500	Base or Mobile	18
10,550 to 10,680	.....do	23

(c) * * *

(2) This frequency is not available in the 150–170 MHz band until August 18, 1996. 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.

* * * * *

(11) This frequency is primarily authorized for use in the dispatch of medical care vehicles and personnel for the rendition or delivery of medical services. This frequency may also be assigned for intra-system and inter-system mutual assistance purposes. For uniformity in usage these frequency pairs may be referred to by channel name as follows:

Frequencies base and mobile (Megahertz)	Mobile only (MHz)	Channel name
462.950	467.950	MED–9
462.95625	467.95625	
462.9625	467.9625	
462.96875	467.96875	
462.975	467.975	MED–10
462.98125	467.98125	
462.9875	467.9875	
462.99375	467.99375	

(12) [Reserved]

(13) For applications for new radio systems received after August 15, 1974, the thirty-two frequency pairs listed in paragraph (c)(13)(i) of this section will be assigned in a block for shared operation under § 90.27(a) subject to the following:

(i) For uniformity in usage, these frequency pairs may be referred to by channel name as follows:

Frequencies base and mobile (Megahertz)	Mobile only (MHz)	Channel name
463.000	468.000	MED–1
463.00625	468.00625	MED–A
463.0125	468.0125	MED–B
463.01875	468.01875	MED–C
463.025	468.025	MED–2
463.03125	468.03125	MED–D
463.0375	468.0375	MED–E
463.04375	468.04375	MED–F
463.050	468.050	MED–3
463.05625	468.05625	MED–G
463.0625	468.0625	MED–H
463.06875	468.06875	MED–I
46.075	46.075	MED–4
463.08125	468.08125	MED–J
463.0875	468.0875	MED–K
463.09375	468.09375	MED–L
463.100	468.100	MED–5
463.10625	468.10625	MED–M
463.1125	468.1125	MED–N
463.11875	468.11875	MED–O
463.125	468.125	MED–6
463.13125	468.13125	MED–P

Frequencies base and mobile (Megahertz)	Mobile only (MHz)	Channel name
463.1375	468.1375	MED–Q
463.14375	468.14375	MED–R
463.150	468.150	MED–7
463.15625	468.15625	MED–S
463.1625	468.1625	MED–T
463.16875	468.16875	MED–U
463.175	468.175	MED–8
463.18125	468.18125	MED–V
463.1875	468.1875	MED–W
463.19375	468.19375	MED–X

(ii) Except as provided in paragraphs (c)(13) (iii) and (iv) of this section, mobile or portable stations must employ equipment that is both wired and equipped to transmit/receive, respectively, on each of these

MED frequency pairs with transmitters operated on the 468 MHz frequencies.

* * * * *

(27) This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(28) Assignment of frequencies in this band are subject to the provisions of § 90.173.

8. Section 90.53 is amended by revising the table of frequencies in paragraph (a), revising limitation (30), and adding limitations (35), (36), (37), and (38) in paragraph (b), and revising paragraph (d)(5) to read as follows:

§ 90.53 Frequencies available.

(a) * * *

SPECIAL EMERGENCY SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Kilohertz:		
2000–3000	Fixed	
2726	Base or mobile	2
3201	.....do	
Megahertz:		
33.02	.....do	3, 25
33.04	.....do	25
33.06	.....do	3, 25
33.08	.....do	25
33.10	.....do	3, 25
35.02	Mobile	27
35.64	Base	4
35.68	.....do	4
37.90	Base or mobile	3, 25
37.94	.....do	3, 25
37.98	.....do	3, 25
43.64	Base	4, 28
43.68	.....do	4
45.92	Base or mobile	25
45.96	.....do	25
46.00	.....do	25
46.04	.....do	25
47.42	.....do	5, 25
47.46	.....do	25
47.50	.....do	25
47.54	.....do	25
47.58	.....do	25
47.62	.....do	25
47.66	.....do	25
72.00 to 76.00	Operational fixed	6
150 to 170	Base or mobile	36
152.0075	Base	4, 31, 37
155.160	Base or mobile	25
155.1675	.....do	25, 30
155.175	.....do	25
155.1825	.....do	25, 30
155.205	.....do	25
155.2125	.....do	25, 30
155.220	.....do	25
155.2275	.....do	25, 30
155.235	.....do	25
155.2425	.....do	25, 30
155.265	.....do	25
155.2725	.....do	25, 30
155.280	.....do	25
155.2875	.....do	25, 30
155.295	.....do	25
155.3025	.....do	25, 30
157.450	.....do	4, 11, 37
163.250	.....do	4, 37
169–172	Mobile	33
450–470	Fixed, base, or mobile	12, 36
453.0125	Mobile	38
453.025	Base	26
453.03125	.....do	26, 35
453.03750	.....do	26, 30

SPECIAL EMERGENCY SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
453.04375	.....do	26, 35
453.075	.....do	26
453.08125	.....do	26, 35
453.08750	.....do	26, 30
453.09375	.....do	26, 35
453.125	.....do	26
453.13125	.....do	26, 35
453.13750	.....do	26, 30
453.14375	.....do	26, 35
453.175	.....do	26
453.18125	.....do	26, 35
453.18750	.....do	26, 30
453.19375	.....do	26, 35
458.0375	Mobile	38
458.0625	.....do	38
458.0875	.....do	38
458.1125	.....do	38
458.1375	.....do	38
458.1625	.....do	38
458.1875	.....do	38
460.5125	.....do	38
460.5375	.....do	38
460.5625	.....do	38
462.9375	.....do	38
462.9625	.....do	38
462.9875	.....do	38
462.0125	.....do	38
462.0375	.....do	38
462.0625	.....do	38
462.0875	.....do	38
462.1125	.....do	38
462.1375	.....do	38
462.1625	.....do	38
462.1775	.....do	38
465.5125	.....do	38
465.5375	.....do	38
465.5625	.....do	38
467.9375	.....do	38
467.9625	.....do	38
467.9875	.....do	38
467.0125	.....do	38
467.0375	.....do	38
467.0625	.....do	38
467.0875	.....do	38
467.1125	.....do	38
467.1375	.....do	38
467.1625	.....do	38
467.1875	.....do	38
806 to 824	Mobile	21
851 to 869	Base or mobile	21
928 and above	Operational fixed	22
929 to 930	Base only	7
1427 to 1435	Operational fixed, base or mobile	23
2450 to 2500	Base or mobile	24
10,550 to 10,680	.....do	9

(b) * * *

(30) This frequency is not available in the 150–170 MHz band until August 18, 1996. 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.

* * * * *

(35) This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(36) Assignment of frequencies in this band are subject to the provisions of § 90.173.

(37) This frequency will be authorized a channel bandwidth of 25 kHz.

(38) This frequency is available for systems first licensed prior to August 18, 1995. No new systems will be authorized after August 18, 1995, but prior authorized systems may be modified, expanded, and renewed.

* * * * *

(d) * * *

(5) 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.

9. Section 90.63 is amended by revising the table of frequencies in paragraph (c), revising limitation (24), and adding limitations (28), (29) and (30) in paragraph (d), and revising paragraph (f)(3) to read as follows:

§ 90.63 Power Radio Service.

* * * * *

(c) * * *

POWER RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Kilohertz:		
2000 to 25,000	Fixed, base or mobile	1
2292	Base or mobile	1
2398	do	1
4637.5	do	1
Megahertz:		
37.46	do	
37.48	do	
37.50	do	
37.52	do	
37.54	do	
37.56	do	
37.58	do	
37.60	Base, mobile or operational fixed	2
37.62	Base or mobile	
37.64	do	
37.66	do	
37.68	do	
37.70	do	
37.72	do	
37.74	do	
37.76	do	
37.78	do	
37.80	do	
37.82	do	
37.84	Operational fixed, base or mobile	2
37.86	Base or mobile	
47.70	do	
47.72	do	
47.74	do	
47.76	do	
47.78	do	
47.80	do	
47.82	do	
47.84	do	
47.86	do	
47.88	do	
47.90	do	
47.92	do	
47.94	do	
47.96	do	
47.98	do	
48.00	do	
48.02	do	
48.04	do	
48.06	do	
48.08	do	
48.10	do	
48.12	do	
48.14	do	
48.16	do	
48.18	do	
48.20	do	
48.22	do	
48.24	do	
48.26	do	
48.28	do	
48.30	do	
48.32	do	
48.34	do	
48.36	do	
48.38	do	
48.40	do	
48.42	do	
48.44	do	
48.46	do	
48.48	do	
48.50	do	

POWER RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
48.52	.....do	
48.54	.....do	
72.00 to 76.00	Operational fixed	3
74.61	Mobile	27
74.63	.....do	27
74.65	.....do	27
74.67	.....do	27
74.69	.....do	27
74.71	.....do	27
74.73	.....do	27
74.75	.....do	27
74.77	.....do	27
74.79	.....do	27
75.21	.....do	27
75.23	.....do	27
75.25	.....do	27
75.27	.....do	27
75.29	.....do	27
75.31	.....do	27
75.33	.....do	27
75.35	.....do	27
75.37	.....do	27
75.39	.....do	27
150 to 170	Base or mobile	29
153.410	.....do	
153.4175	.....do	24
153.425	.....do	4
153.4325	.....do	4, 24
153.440	.....do	5
153.4475	.....do	5, 24
153.455	.....do	4
153.4625	.....do	4, 24
153.470	.....do	
153.4775	.....do	24
153.485	.....do	4
153.4925	.....do	4, 24
153.500	.....do	5
153.5075	.....do	5, 24
153.515	.....do	4
153.5225	.....do	4, 24
153.530	.....do	
153.5375	.....do	24
153.545	.....do	4
153.5525	.....do	4, 24
153.560	.....do	5
153.5675	.....do	5, 24
153.575	.....do	4
153.5825	.....do	4, 24
153.590	.....do	
153.5975	.....do	24
153.605	.....do	4
153.6125	.....do	4, 24
153.620	.....do	5
153.6275	.....do	5, 24
153.635	.....do	4
153.6425	.....do	4, 24
153.650	.....do	
153.6575	.....do	24
153.665	.....do	4
153.6725	.....do	4, 24
153.680	.....do	5
153.6875	.....do	5, 24
153.695	.....do	
153.7025	.....do	24
153.710	.....do	
153.7175	.....do	24
153.725	.....do	
153.7325	.....do	24
154.45625	Fixed or mobile	7, 21, 22, 23
154.46375	.....do	6, 7, 21
154.47125	.....do	7, 11, 21, 22
154.47875	.....do	7, 21, 22, 23

POWER RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
158.1225	Base or mobile	28
158.130	do	
158.1375	do	24
158.145	do	8
158.1525	do	8, 24
158.160	do	9
158.1675	do	9, 24
158.175	do	8
158.1825	do	8, 24
158.190	do	
158.1975	do	24
158.205	do	8, 24
158.2125	do	8
158.220	do	9, 24
158.2275	do	9
158.235	do	8, 24
158.2425	do	8
158.250	do	
158.2575	do	24
158.265	do	8
158.2725	do	8, 24
169–172	Mobile, operational fixed	10
173.20375	Fixed or mobile	7, 11, 21, 22
173.2100	do	11, 12, 21, 22
173.2375	do	7, 21, 22, 23
173.250	Base or mobile	9
173.2625	Fixed or mobile	7, 21, 22, 23
173.2875	do	7, 21, 22, 23
173.300	Base or mobile	9
173.3125	Fixed or mobile	7, 21, 22, 23
173.3375	do	7, 21, 22, 23
173.350	Base or mobile	9
173.3625	Fixed or mobile	7, 21, 22, 23
173.3900	do	11, 12, 21, 22
173.39625	do	7, 11, 21, 22
216–220	Base and mobile	13
220–222	Base and mobile	26
406–413	Operational fixed	10
450–470	Fixed, base, or mobile	14, 29
451.01875	Base or mobile	28
451.025	do	
451.03125	do	28
451.03750	do	24
451.04375	do	28
451.050	do	
451.05625	do	28
451.06250	do	24
451.06875	do	28
451.075	do	
451.08125	do	28
451.08750	do	24
451.09375	do	28
451.100	do	
451.10625	do	28
451.11250	do	24
451.11875	do	28
451.125	do	
451.13125	do	28
451.13750	do	24
451.14375	do	28
451.150	do	
451.15625	do	28
451.16250	do	24
451.16875	do	28
451.175	do	15
451.18125	do	15, 28
451.18750	do	15, 24
451.19375	do	15, 28
451.200	do	
451.20625	do	28
451.21250	do	24
451.21875	do	28

POWER RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
451.225	.....do	15
451.23125	.....do	15, 28
451.23750	.....do	15, 24
451.24375	.....do	15, 28
451.250	.....do	
451.25625	.....do	28
451.26250	.....do	24
451.26875	.....do	28
451.275	.....do	15
451.28125	.....do	15, 28
451.28750	.....do	15, 24
451.29375	.....do	15, 28
451.3625	Mobile	30
451.375	Base and mobile	15
451.38125	.....do	28
451.38750	.....do	24
.		
451.39375	.....do	28
451.4125	Mobile	30
451.425	Base or mobile	15
451.431251	.....do	15, 28
451.43750	.....do	15, 24
451.44375	.....do	15, 28
451.4625	Mobile	30
451.475	Base or mobile	15
451.48125	.....do	28
451.48750	.....do	24
451.49375	.....do	28
451.5125	Mobile	30
451.525	Base or mobile	15
451.53125	.....do	15, 28
451.53750	.....do	15, 24
451.54375	.....do	15, 28
451.5625	Mobile	30
451.575	Base or mobile	15
451.58125	.....do	15, 28
451.58750	.....do	15, 24
451.59375	.....do	15, 28
451.6125	Mobile	30
451.625	Base or mobile	15
451.63125	.....do	15, 28
451.63750	.....do	15, 24
451.64375	.....do	15, 28
451.6625	Mobile	30
451.675	Base or mobile	15
451.68125	.....do	15, 28
451.68750	.....do	15, 24
451.69375	.....do	15, 28
456.01875	.....do	28
456.025	Mobile	
456.03125	.....do	28
456.03750	.....do	24
456.04375	.....do	28
456.050	.....do	
456.05625	.....do	28
456.06250	.....do	24
456.06875	.....do	28
456.075	.....do	
456.08125	.....do	28
456.08750	.....do	24
456.09375	.....do	28
456.100	.....do	
456.10625	.....do	28
456.11250	.....do	24
456.11875	.....do	28
456.125	.....do	
456.13125	.....do	28
456.13750	.....do	24
456.14375	.....do	28
456.150	.....do	
456.15625	.....do	28
456.16250	.....do	24

POWER RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
456.16875	do	28
456.175	do	15
456.18125	do	15, 28
456.18750	do	15, 24
456.19375	do	15, 28
456.200	do	
456.20625	do	28
456.21250	do	24
456.21875	do	28
456.225	do	15
456.23125	do	15, 28
456.23750	do	15, 24
456.24375	do	15, 28
456.250	do	
456.25625	do	28
456.26250	do	24
456.26875	do	28
456.275	do	15
456.28125	do	15, 28
456.28750	do	15, 24
456.29375	do	15, 28
456.3625	Mobile	30
456.375	do	15
456.38125	do	15, 28
456.38750	do	15, 24
456.39375	do	15, 28
456.4125	do	30
456.425	do	15
456.43125	do	15, 28
456.43750	do	15, 24
456.44375	do	15, 28
456.4625	do	30
456.475	do	15
456.48125	do	15, 28
456.48750	do	15, 24
456.49375	do	15, 28
456.5125	do	30
456.525	do	15
456.53125	do	15, 28
456.53750	do	15, 24
456.54375	do	15, 28
456.5625	do	30
456.575	do	15
456.58125	do	15, 28
456.58750	do	15, 24
456.59375	do	15, 28
456.6125	do	30
456.625	do	15
456.63125	do	15, 28
456.63750	do	15, 24
456.64375	do	15, 28
456.6625	do	30
456.675	do	15
456.68125	do	15, 28
456.68750	do	15, 24
456.69375	do	15, 28
462.4625	do	30
462.475	Base or mobile	15
462.48125	do	15, 28
462.48750	do	15, 24
462.49375	do	15, 28
462.5125	Mobile	30
462.525	Base or mobile	15
462.53125	do	15, 28
467.4625	Mobile	30
467.475	do	15
467.48125	do	15, 28
467.48750	do	15, 24
467.49375	do	15, 28
467.5125	do	30
467.525	do	15
467.53125	do	15, 28

POWER RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
470 to 512	Base or mobile	16
806 to 821	Mobile	17
851 to 866	Base or mobile	17
896 to 901	Mobile	17
928 and above	Operational fixed	18
929–930	Base only	25
935 to 940	Base or mobile	17
1427 to 1435	Base, mobile or operational fixed	13
2450 to 2500	Base or mobile	19
8400 to 8500	.....do	20
10,550 to 10,680*	.....do	

*The frequencies in the band 10.55–10.68 GHz are available for Digital Termination Systems and for associated internodal links in the Point-to-Point Microwave Radio Service. No new licenses will be issued under this Subpart but current licenses will be renewed.

(d) * * *

(24) This frequency is not available in the 150–170 MHz band until August 18, 1996. 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.

* * * * *

(28) This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(29) Assignment of frequencies in this band are subject to the provisions of § 90.173.

(30) This frequency is available for systems first licensed prior to August 18, 1995. No new systems will be authorized after August 18, 1995, but prior authorized systems may be modified, expanded, and renewed.

* * * * *

(f) * * *

(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.

* * * * *

10. Section 90.65 is amended by revising the table of frequencies in paragraph (b), revising limitation (41), and adding limitations (45), (46) and (47) in paragraph (c), and revising paragraph (e)(4) to read as follows:

§ 90.65 Petroleum Radio Service.

* * * * *

(b) * * *

PETROLEUM RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Kilohertz:		
1614	Base or mobile	1, 2, 3, 4
1628	.....do	1, 2, 3, 4
1652	.....do	1, 2, 3, 4
1676	.....do	1, 2, 3, 4
1700	.....do	1, 2, 3, 4
2000 to 25,000	Fixed, base or mobile	1
2292	Base or mobile	1, 2, 4, 5
2398	.....do	1, 2, 4, 5
4637.5	.....do	1, 2, 4, 5
Megahertz:		
25.02	.....do	3, 4
25.04	.....do	6
25.06	.....do	3, 4
25.08	.....do	6, 7
25.10	.....do	3, 4, 7
25.12	.....do	
25.14	.....do	3, 4
25.16	.....do	
25.18	.....do	3, 4
25.20	.....do	
25.22	.....do	4, 5
25.24	.....do	
25.26	.....do	4, 5
25.28	.....do	
25.30	.....do	4, 5
25.32	.....do	
30.66	.....do	4, 5, 8
30.70	.....do	4, 5
30.74	.....do	4, 5, 8
30.78	.....do	4, 5
30.82	.....do	4, 5, 8
31.32	.....do	37
31.40	.....do	37
31.44	.....do	37

PETROLEUM RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
31.48	do	37
31.52	do	37
31.60	do	37
31.64	do	37
31.72	do	37
31.76	do	37
33.18	do	
33.20	do	
33.22	do	
33.24	do	
33.26	do	
33.28	do	
33.30	do	
33.32	do	
33.34	do	
33.36	do	
33.38	do	
35.48	do	37
36.25	do	9
41.71	do	9
48.56	do	10
48.58	do	10
48.60	do	10
48.62	do	10
48.64	do	10
48.66	do	10
48.68	do	10
48.70	do	10
48.72	do	10
48.74	do	10
48.76	do	10, 44
48.78	do	10
48.80	do	10
48.82	do	10
48.84	do	10, 44
48.86	do	10, 44
48.88	do	10
48.90	do	10
48.92	do	10, 44
48.94	do	10
48.96	do	10
48.98	do	10
49.00	do	10
49.02	do	10, 44
49.04	do	10
49.06	do	10
49.08	do	10, 44
49.10	do	10, 44
49.12	do	10
49.14	do	10
49.16	do	10, 44
49.18	do	10
49.20	do	10, 44
49.22	do	10
49.24	do	10, 44
49.26	do	10
49.28	do	10, 44
49.30	do	10
49.32	do	10
49.34	do	10
49.36	do	10, 44
49.38	do	10
49.40	do	10, 44
49.42	do	10
49.44	do	10
49.46	do	10,44
49.48	do	10
49.50	do	10,44
72.00 to 76.00	Operational fixed	11
74.61	Mobile	43
74.63	do	43
74.65	do	43

PETROLEUM RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
74.67	do	43
74.69	do	43
74.71	do	43
74.73	do	43
74.75	do	43
74.77	do	43
74.79	do	43
75.21	do	43
75.23	do	43
75.25	do	43
75.27	do	43
75.29	do	43
75.31	do	43
75.33	do	43
75.35	do	43
75.37	do	43
75.39	do	43
150 to 170	Base or mobile	45
150.980	do	6
150.9875	do	6, 41
153.035	do	12
153.0425	do	12, 41
153.050	do	4, 5, 13, 38, 40
153.0575	do	4, 5, 13, 38, 40, 41
153.0650	do	4, 5, 13, 38, 40
153.065	do	13
153.0725	do	13, 41
153.080	do	4, 5, 13
153.0875	do	4, 5, 13, 41
153.095	do	13
153.1025	do	13, 14
153.110	do	4, 5, 13
153.1175	do	4, 5, 13, 41
153.125	do	13, 38, 40
153.1325	do	13, 38, 40, 41
153.140	do	4, 5, 13
153.1475	do	4, 5, 13, 41
153.155	do	13
153.1625	do	13, 41
153.170	do	4, 5, 13
153.1775	do	4, 5, 13, 41
153.185	do	13
153.1925	do	13, 41
153.200	do	4, 5, 13
153.2075	do	4, 5, 13, 41
153.215	do	13
153.2225	do	13, 41
153.230	do	4, 5, 13
153.2375	do	4, 5, 13, 41
153.245	do	13
153.2525	do	13, 41
153.260	do	4, 5, 13
153.2675	do	4, 5, 13, 41
153.275	do	13
153.2825	do	13, 41
153.290	do	4, 5, 13
153.2975	do	4, 5, 13, 41
153.305	do	13
153.3125	do	13, 41
153.320	do	4, 5, 13
153.3275	do	4, 5, 13, 41
153.335	do	13, 38
153.3425	do	13, 38, 41
153.350	do	4, 5, 13, 38
153.3575	do	4, 5, 13, 38, 41
153.365	do	13, 38
153.3725	do	13, 38, 41
153.380	do	13, 38
153.3875	do	13, 38, 41
153.395	do	13, 38
153.4025	do	13, 38, 41
153.425	do	14

PETROLEUM RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
153.4325	.....do	14, 41
153.440	.....do	10, 15
153.4475	.....do	10, 15, 41
153.455	.....do	14
153.4625	.....do	14, 41
153.485	.....do	14
153.4925	.....do	14, 41
153.500	.....do	10, 15
153.5075	.....do	10, 15, 41
153.515	.....do	14
153.5225	.....do	14, 41
153.545	.....do	14
153.5525	.....do	14, 41
153.560	.....do	10, 15
153.5675	.....do	10, 15, 41
153.575	.....do	14
153.5825	.....do	14, 41
153.605	.....do	14
153.6125	.....do	14, 41
153.620	.....do	10, 15
153.6275	.....do	10, 15, 41
153.635	.....do	14
153.6425	.....do	14, 41
153.665	.....do	14
153.6725	.....do	14, 41
153.680	.....do	10, 15
153.6875	.....do	10, 15, 41
154.45625	Fixed or mobile	16, 18, 24, 34
154.46375	.....do	16, 18, 24, 35, 36
154.47125	.....do	16, 18, 24, 35
154.47875	.....do	16, 18, 24, 34
154.585	Mobile	6, 19
158.145	Base or mobile	20
158.1525	.....do	20, 41
158.160	.....do	10, 21
158.1675	.....do	10, 21, 41
158.175	.....do	20
158.1825	.....do	20, 41
158.205	.....do	20
158.2125	.....do	20, 41
158.220	.....do	10,21
158.2275	.....do	20, 21, 41
158.235	.....do	20
158.2425	.....do	20, 41
158.265	.....do	20
158.2725	.....do	20, 41
158.280	.....do	13
158.2875	.....do	13, 41
158.295	.....do	13
158.3025	.....do	13, 41
158.310	.....do	4, 5, 13
158.3175	.....do	4, 5, 13, 41
158.325	.....do	13, 38, 40
158.3325	.....do	13, 38, 40, 41
158.355	.....do	10, 39
158.3625	.....do	10, 39, 41
158.370	.....do	4, 5, 10
158.3775	.....do	4, 5, 10, 41
158.415	.....do	13, 38, 40
158.4225	.....do	13, 38, 40, 41
158.430	.....do	4, 5, 13
158.4375	.....do	4, 5, 13, 41
158.445	Mobile	6, 22
159.480	Based or mobile	6
159.4875	.....do	6, 41
169–172	Mobile, operational fixed	23
173.20375	Fixed or mobile	16, 18, 24, 35
173.2100	.....do	16, 24, 25, 35
173.2375	.....do	16, 18, 24, 34
173.250	Base or mobile	10, 21
173.2625	Fixed or mobile	16, 18, 24, 34
173.2875	.....do	16, 18, 24, 34

PETROLEUM RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
173.300	Base or mobile	10, 21
173.3125	Fixed or mobile	16, 18, 24, 34
173.3375	do	16, 18, 24, 34
173.350	Base or mobile	10, 21
173.3625	Fixed or mobile	16, 18, 24, 34
173.3900	do	16, 24, 25, 35
173.39625	do	16, 18, 24, 35
216–220	Base or mobile	26
220–222	Base or mobile	17
406–413	Operational fixed	23
450–470	Fixed, base, or mobile	27, 45
451.1625	Mobile	46
451.175	Base or mobile	28
451.18125	do	28, 47
451.18750	do	28, 41
451.19375	do	28, 47
451.2125	Mobile	46
451.225	Base or mobile	28
451.23125	do	28, 47
451.23750	do	28, 41
451.24375	do	28, 47
451.2625	Mobile	46
451.275	Base or mobile	28
451.28125	do	28, 47
451.28750	do	28, 41
451.29375	do	28, 47
451.3625	Mobile	46
451.375	Base or mobile	28
451.38125	do	28, 47
451.38750	do	28, 41
451.39375	do	28, 47
451.4125	Mobile	46
451.425	Base or mobile	28
451.43125	do	28, 47
451.43750	do	28, 41
451.44375	do	28, 47
451.4625	Mobile	46
451.475	Base or mobile	28
451.48125	do	28, 47
451.48750	do	28, 41
451.49375	do	28, 47
451.5125	Mobile	46
451.525	Base or mobile	28
451.53125	do	28, 47
451.53750	do	28, 41
451.54375	do	28, 47
451.550	do	4, 5, 10
451.55625	do	4, 5, 10, 47
451.56250	do	4, 5, 10, 41
451.56875	do	4, 5, 10, 47
451.575	do	28
451.58125	do	28, 47
451.58750	do	28, 41
451.59375	do	28, 47
451.600	do	4, 5, 10
451.60625	do	4, 5, 10, 47
451.61250	do	4, 5, 10, 41
451.61875	do	4, 5, 10, 47
451.625	do	28
451.63125	do	28, 47
451.63750	do	28, 41
451.64375	do	28, 47
451.650	do	4, 5, 10
451.65625	do	4, 5, 10, 47
451.66250	do	4, 5, 10, 41
451.66875	do	4, 5, 10, 47
451.675	do	28
451.68125	do	28, 47
451.68750	do	28, 41
451.69375	do	28, 47
451.700	do	4, 5, 10
451.70625	do	4, 5, 10, 47

PETROLEUM RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
451.71250	.....do	4, 5, 10, 41
451.71875	.....do	4, 5, 10, 47
451.7375	Mobile	46
451.750	Base or mobile	4, 5, 10
451.75625	.....do	4, 5, 10, 47
451.76250	.....do	4, 5, 10, 41
451.76875	.....do	4, 5, 10, 47
454.000	.....do	6
456.1625	Mobile	46
456.175	.....do	28
456.18125	.....do	28, 47
456.18750	.....do	28, 41
456.19375	.....do	28, 47
456.2125	.....do	46
456.225	.....do	28
456.23125	.....do	28, 47
456.23750	.....do	28, 41
456.24375	.....do	28, 47
456.2625	.....do	46
456.275	.....do	28
456.28125	.....do	28, 47
456.28750	.....do	28, 41
456.29375	.....do	28, 47
456.3625	.....do	46
456.375	.....do	28
456.38125	.....do	28, 47
456.38750	.....do	28, 41
456.39375	.....do	28, 47
456.4125	.....do	46
456.425	.....do	28
456.43125	.....do	28, 47
456.43750	.....do	28, 41
456.44375	.....do	28, 47
456.4625	.....do	46
456.475	.....do	28
456.48125	.....do	28, 47
456.48750	.....do	28, 41
456.49375	.....do	28, 47
456.5125	.....do	46
456.525	.....do	28
456.53125	.....do	28, 47
456.53750	.....do	28, 41
456.54375	.....do	28, 47
456.550	.....do	10
456.55625	.....do	10, 47
456.56250	.....do	10, 41
456.56875	.....do	10, 47
456.575	.....do	28
456.58125	.....do	28, 47
456.58750	.....do	28, 41
456.59375	.....do	28, 47
456.600	.....do	10
456.60625	.....do	10, 47
456.61250	.....do	10, 41
456.61875	.....do	10, 47
456.625	.....do	28
456.525	Base or mobile	28
456.63125	.....do	28, 47
456.63750	.....do	28, 41
456.64375	.....do	28, 47
456.650	.....do	10
456.65625	.....do	10, 47
456.66250	.....do	10, 41
456.66875	.....do	10, 47
456.675	.....do	28
456.68125	.....do	28, 47
456.68750	.....do	28, 41
456.69375	.....do	28, 47
456.700	.....do	10
456.70625	.....do	10, 47
456.71250	.....do	10, 41
456.71875	.....do	10, 47

PETROLEUM RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
456.750	.....do	10
456.75625	.....do	10, 47
456.76250	.....do	10, 41
456.76875	.....do	10, 47
459.000	Base or mobile	6
462.4625	Mobile	46
462.475	Base or mobile	28
462.48125	.....do	28, 47
462.48750	.....do	28, 41
462.49375	.....do	28, 47
462.5125	Mobile	46
462.53125	.....do	28, 47
467.4625	Mobile	46
467.475	.....do	28, 41
467.48125	.....do	28, 47
467.48750	.....do	28
467.49375	.....do	28, 47
467.5125	.....do	46
467.525	.....do	28, 41
467.53125	.....do	28, 47
470 to 512	Base or mobile	29
806–821	Mobile only	30
851–866	Base or mobile	30
896 to 901	Mobile	30
928 and above	Operational fixed	31
929–930	Base only	42
935 to 940	Base or mobile	30
1427 to 1435	Operational fixed, base or mobile	26
2450 to 2500	Base or mobile	32
8400 to 8500	.....do	33
10,550 to 10,680*	.....do	

* The frequencies in the band 10.55–10.68 GHz are available for Digital termination Systems and for associated internodal links in the Point-to-Point Microwave Radio Service. No new licenses will be issued under this Subpart but current licenses will be renewed.

(c) * * *

(41) This frequency is not available in the 150–170 MHz band until August 18, 1996. 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.

* * * * *

(45) Assignment of frequencies in this band are subject to the provisions of § 90.173.

(46) This frequency is available for systems first licensed prior to August 18, 1995. No new systems will be authorized after August 18, 1995, but prior authorized systems may be modified, expanded, and renewed.

(47) This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

* * * * *

(e) * * *

(4) 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.

11. Section 90.67 is amended by revising the table of frequencies in paragraph (b), revising limitation (36), and adding limitations (39), (40), (41), and (42) in paragraph (c), and revising paragraph (e)(3) to read as follows:

§ 90.67 Forest Products Radio Service.

* * * * *

(b) * * *

FOREST PRODUCTS RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Kilohertz:		
1676	Base or mobile	1
1700	.....do	1
2398	.....do	1
Megahertz:		
29.71	.....do	
29.73	.....do	
29.75	.....do	
29.77	.....do	
29.79	.....do	
30.68	.....do	
30.72	.....do	
31.48	.....do	30
31.52	.....do	30

FOREST PRODUCTS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
31.64	do	30
31.72	do	30
31.76	do	30
37.44	do	
37.88	do	
43.02	do	30
43.28	do	30
43.36	do	30
43.40	do	30
43.52	do	30
48.56	do	2
48.58	do	2
48.60	do	2
48.62	do	2
48.64	do	2
48.66	do	2
48.68	do	2
48.70	do	2
48.72	do	2
48.74	do	2
48.76	do	2, 38
48.78	do	2
48.80	do	2
48.82	do	2
48.84	do	2, 38
48.86	do	2, 38
48.88	do	2
48.90	do	2
48.92	do	2, 38
48.94	do	2
48.96	do	2
48.98	do	2
49.00	do	2
49.02	do	2, 38
49.04	do	2
49.06	do	2
49.08	do	2, 38
49.10	do	2, 38
49.12	do	2
49.14	do	2
49.16	do	2, 38
49.18	do	2
49.20	do	2, 38
49.22	do	2
49.24	do	2, 38
49.26	do	2
49.28	do	2, 38
49.30	do	2
49.32	do	2
49.34	do	2
49.36	do	2, 38
49.38	do	2
49.40	do	2, 38
49.42	do	2
49.44	do	2
49.46	do	2, 38
49.48	do	2
49.50	do	2, 38
49.54	do	3
49.58	do	3
72.00 to 76.00	Operational fixed	4
72.44	Mobile	34
72.48	do	34
72.52	do	34
72.56	do	34
72.60	do	34
75.44	do	34
75.48	do	34
75.52	do	34
75.56	do	34
75.60	do	34
150 to 170	Base or mobile	39

FOREST PRODUCTS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
152.465	do	29
152.480	do	5, 40
153.050	do	6, 31, 33
153.0575	do	6, 31, 33, 36
153.065	do	6
153.0725	do	6, 36
153.080	do	6
153.0875	do	6, 36
153.095	do	6
153.1025	do	6, 36
153.110	do	6
153.1175	do	6, 36
153.125	do	6, 31, 33
153.1325	do	6, 31, 33, 36
153.140	do	6
153.1475	do	6, 36
153.155	do	6
153.1625	do	6, 36
153.170	do	6
153.1775	do	6, 36
153.185	do	6
153.1925	do	6, 36
153.200	do	6
153.2075	do	6, 36
153.215	do	6
153.2225	do	6, 36
153.230	do	6
153.2375	do	6, 36
153.245	do	6
153.2525	do	6, 36
153.260	do	6
153.2675	do	6, 36
153.275	do	6
153.2825	do	6, 36
153.290	do	6
153.2975	do	6, 36
153.305	do	6
153.3125	do	6, 36
153.320	do	6
153.3275	do	6, 36
153.335	do	6, 31
153.3425	do	6, 31, 36
153.350	do	6, 31
153.3575	do	6, 31, 36
153.365	do	6, 31
153.3725	do	6, 31, 36
153.380	do	6, 31
153.3875	do	6, 31, 36
153.395	do	6, 31
153.4025	do	6, 31, 36
153.425	do	7
153.4325	do	7, 36
153.440	do	2, 8
153.4475	do	2, 8, 36
153.455	do	7
153.4625	do	7, 36
153.485	do	7
153.4925	do	7, 36
153.500	do	2, 8
153.5075	do	2, 8, 36
153.515	do	7
153.5225	do	7, 36
153.545	do	7
153.5525	do	7, 36
153.560	do	2, 8
153.5675	do	2, 8, 36
153.575	do	7
153.5825	do	7, 36
153.605	do	7
153.6125	do	7, 36
153.620	do	2, 8
153.6275	do	2, 8, 36

FOREST PRODUCTS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
153.635	.....do	7
153.6425	.....do	7, 36
153.665	.....do	7
153.6725	.....do	7, 36
153.680	.....do	2, 8
153.6875	.....do	2, 8, 36
154.45625	Fixed or mobile	13, 14, 25, 27
154.46375	.....do	13, 14, 24, 25, 26
154.47125	.....do	13, 14, 24, 25
154.47875	.....do	13, 14, 25, 27
154.570	Mobile	9
154.600	.....do	9
154.625	Base or mobile	5, 40
154.640	.....do	5, 36
157.725	.....do	29
157.740	.....do	5, 40
158.145	.....do	10
158.1525	.....do	10, 36
158.160	.....do	2, 11
158.1675	.....do	2, 11, 36
158.175	.....do	10
158.1825	.....do	10, 36
158.205	.....do	10
158.2125	.....do	10, 36
158.220	.....do	2, 11
158.2275	.....do	2, 11, 36
158.235	.....do	10
158.2425	.....do	10, 36
158.265	.....do	10
158.2725	.....do	10, 36
158.280	.....do	6
158.2875	.....do	6, 36
158.295	.....do	6
158.3025	.....do	6, 36
158.310	.....do	6
158.3175	.....do	6, 36
158.325	.....do	6, 31, 33
158.3325	.....do	6, 31, 33, 36
158.355	.....do	2, 32
158.3625	.....do	2, 32, 36
158.370	.....do	2
158.3775	.....do	2, 36
158.415	.....do	6, 31, 33
158.4225	.....do	6, 31, 33, 36
158.430	.....do	6
158.4375	.....do	6, 36
158.460	.....do	5, 40
169–172	Mobile, operational fixed	12
173.20375	Fixed or mobile	13, 14, 24, 25
173.2100	.....do	13, 15, 24, 25
173.2375	.....do	13, 14, 25, 27
173.250	Base or mobile	2, 11
173.2625	Fixed or mobile	13, 14, 25, 27
173.2875	.....do	13, 14, 25, 27
173.300	Base or mobile	2, 11
173.3125	Fixed or mobile	13, 14, 25, 27
173.3375	.....do	13, 14, 25, 27
173.350	Base or mobile	2, 11
173.3625	Fixed or mobile	13, 14, 25, 27
173.3900	.....do	13, 15, 24, 25
173.39625	.....do	13, 14, 24, 25
216–220	Base or mobile	16
220–222	Base and mobile	37
406–413	Operational fixed	12
450–470	Fixed, base, or mobile	17, 39
451.1625	Mobile	41
451.175	Base or mobile	18
451.18125	.....do	18, 42
.		
451.18750	.....do	18, 36
451.19375	.....do	18, 42
451.2125	Mobile	41

FOREST PRODUCTS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
451.225	Base or mobile	18
451.23125	.....do	18, 42
451.23750	.....do	18, 36
451.24375	.....do	18, 42
451.2625	Mobile	41
451.275	Base or mobile	18
451.28125	.....do	18, 42
451.28750	.....do	18, 36
451.29375	.....do	18, 42
451.3625	Mobile	41
451.375	Base or mobile	18
451.38125	.....do	18, 42
451.38750	.....do	18, 36
451.39375	.....do	18, 42
451.4125	Mobile	41
451.425	Base or mobile	18
451.43125	.....do	18, 42
451.43750	.....do	18, 36
451.44375	.....do	18, 42
451.4625	Mobile	41
451.475	Base or mobile	18
451.48125	.....do	18, 42
451.48750	.....do	18, 36
451.49375	.....do	18, 42
451.5125	Mobile	41
451.525	Base or mobile	18
451.53125	.....do	18, 42
451.53750	.....do	18, 36
451.54375	.....do	18, 42
451.550	.....do	2
451.55625	.....do	2, 42
451.56250	.....do	2, 36
451.56875	.....do	2, 42
451.575	.....do	18
451.58125	.....do	18, 42
451.58750	.....do	18, 36
451.59375	.....do	18, 42
451.600	.....do	2
451.60625	.....do	2, 42
451.61250	.....do	2, 36
451.61875	.....do	2, 42
451.625	.....do	18
451.63125	.....do	18, 42
451.63750	.....do	18, 36
451.64375	.....do	18, 42
451.650	.....do	2
451.65625	.....do	2, 42
451.66250	.....do	2, 36
451.66875	.....do	2, 42
451.675	.....do	18
451.68125	.....do	18, 42
451.68750	.....do	18, 36
451.69375	.....do	18, 42
451.700	.....do	2
451.70625	.....do	2, 42
451.71250	.....do	2, 36
451.71875	.....do	2, 42
451.7375	Mobile	41
451.750	Base or mobile	2
451.75625	.....do	2, 42
451.76250	.....do	2, 36
451.76875	.....do	2, 42
452.100	.....do	28
452.10625	.....do	28, 42
452.11250	.....do	28, 36
452.11875	.....do	28, 42
452.200	.....do	28
452.20625	.....do	28, 42
452.21250	.....do	28, 36
452.21875	.....do	28, 42
452.225	.....do	28
452.23125	.....do	28, 42

FOREST PRODUCTS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
452.23750	do	28, 36
452.24375	do	28, 42
452.250	do	28
452.25625	do	28, 42
452.26250	do	28, 36
452.26875	do	28, 42
452.275	do	28
452.28125	do	28, 42
452.28750	do	28, 36
452.29375	do	28, 42
452.350	do	28
452.35625	do	28, 42
452.36250	do	28, 36
452.36875	do	28, 42
452.400	do	28
452.40625	do	28, 42
452.41250	do	28, 36
452.41875	do	28, 42
452.450	do	28
452.45625	do	28, 42
452.46250	do	28, 36
452.46875	do	28, 42
456.1625	Mobile	41
456.175	do	18
456.18125	do	18, 42
456.18750	do	18, 36
456.19375	do	18, 42
456.2125	do	41
456.225	do	18
456.23125	do	18, 42
456.23750	do	18, 36
456.24375	do	18, 42
456.2625	do	41
456.275	do	18
456.28125	do	18, 42
456.28750	do	18, 36
456.29375	do	18, 42
456.3625	do	41
456.375	do	18
456.38125	do	18, 42
456.38750	do	18, 36
456.39375	do	18, 42
456.4125	do	41
456.425	do	18
456.43125	do	18, 42
456.43750	do	18, 36
456.44375	do	18, 42
456.4625	do	41
456.475	do	18
456.48125	do	18, 42
456.48750	do	18, 36
456.49375	do	18, 42
456.5125	do	41
456.525	do	18
456.53125	do	18, 42
456.53750	do	18, 36
456.54375	do	18, 42
456.550	do	2
456.55625	do	2, 42
456.56250	do	2, 36
456.56875	do	2, 42
456.575	do	18
456.58125	do	18, 42
456.58750	do	18, 36
456.59375	do	18, 42
456.600	do	2
456.60625	do	2, 42
456.61250	do	2, 36
456.61875	do	2, 42
456.625	do	18
456.63125	do	18, 42
456.63750	do	18, 36

FOREST PRODUCTS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
456.64375	do	18, 42
456.650	do	2
456.65625	do	2, 42
456.66250	do	2, 36
456.66875	do	2, 42
456.675	do	18
456.68125	do	18, 42
456.68750	do	18, 36
456.69375	do	18, 42
456.700	do	2
456.70625	do	2, 42
456.71250	do	2, 36
456.71875	do	2, 42
456.7375	do	41
456.750	do	2
456.75625	do	2, 42
456.76250	do	2, 36
456.76875	do	2, 42
457.100	do	28
457.10625	do	28, 42
457.11250	do	28, 36
457.11875	do	28, 42
457.200	do	28
457.20625	do	28, 42
457.21250	do	28, 36
457.21875	do	28, 42
457.225	do	28
457.23125	do	28, 42
457.23750	do	28, 36
457.24375	do	28, 42
457.250	do	28
457.25625	do	28, 42
457.26250	do	28, 36
457.26875	do	28, 42
457.275	do	28
457.28125	do	28, 42
457.28750	do	28, 36
457.29375	do	28, 42
457.350	do	28
457.35625	do	28, 42
457.36250	do	28, 36
457.36875	do	28, 42
457.400	do	28
457.40625	do	28, 42
457.41250	do	28, 36
457.41875	do	28, 42
457.450	do	28
457.45625	do	28, 42
457.46250	do	28, 36
457.46875	do	28, 42
462.4625	do	41
462.475	Base or mobile	18
462.48125	do	18, 42
462.48750	do	18, 36
462.49375	do	18, 42
462.5125	do	41
462.525	Base or mobile	18
462.53125	do	18, 42
467.4625	Mobile	41
467.475	do	18
467.48125	do	18, 42
467.48750	do	18, 36
467.49375	do	18, 42
467.5125	do	41
467.525	do	18
467.53125	do	18, 42
470–512	Base or mobile	19
806–821	Mobile only	20
851–866	Base or mobile	20
896–901	Mobile	20
928 and above	Operational fixed	21
929–930	Base only	35

FOREST PRODUCTS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
935–940	Base or mobile	20
1427–1435	Operational fixed, base or mobile	16
2450–2500	Base or mobile	22
8400–8500	.....do	23
10,550–10,680*	.....do	

*The frequencies in the band 10.55–10.68 GHz are available for Digital Termination Systems and for associated internodal links in the Point-to-Point Microwave Radio Service. No new licenses will be issued under this Subpart but current licenses will be renewed.

(c) * * *

(36) This frequency is not available in the 150–170 MHz band until August 18, 1996. 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.

* * * * *

(39) Assignment of frequencies in this band are subject to the provisions of § 90.173.

(40) This frequency will be authorized a channel bandwidth of 25 kHz.

(41) This frequency is available for systems first licensed prior to August 18, 1995. No new systems will be authorized after August 18, 1995, but prior authorized systems may be modified, expanded, and renewed.

(42) This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

* * * * *

(e) * * *

(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.

12. Section 90.69 is amended by revising the table of frequencies in paragraph (b), revising limitation (12), and adding limitations (14) and (15) in paragraph (c), and revising paragraph (e)(3) to read as follows:

§ 90.69 Film and Video Production Radio Service.

* * * * *

(b) * * *

FILM AND VIDEO PRODUCTION RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Kilohertz:		
1628	Base or mobile	1
1652	.....do	1
2292	.....do	1
2398	.....do	1
4637.5	.....do	1
Megahertz:		
72 to 76	Operational fixed	2
150 to 170	Base or mobile	15
152.8625	.....do	3, 14
152.87	.....do	3
152.8775	.....do	3, 12
152.90	.....do	3
152.9075	.....do	3, 12
152.93	.....do	3
152.9375	.....do	3, 12
152.96	.....do	3
152.9675	.....do	3, 12
152.99	.....do	3
152.9975	.....do	3, 12
153.02	.....do	3
153.0275	.....do	3, 12
169–172	Mobile	11
173.225	Base or mobile	4
173.275	.....do	4
173.325	.....do	4
173.375	.....do	4
220–222	Base and mobile	13
806 to 821	Mobile	5
851 to 866	Base or mobile	5
896 to 901	Mobile	5
928 and above	Operational fixed	6
929–930	Base only	10
935 to 940	Base or mobile	5
1427 to 1435	Base, mobile or operational fixed	7
2450 to 2500	Base or mobile	8
8400 to 8500	.....do	9

FILM AND VIDEO PRODUCTION RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
10,550 to 10,680*	.....do	

*The frequencies in the band 10.55–10.68 GHz are available for Digital Termination Systems and for associated internodal links in the Point-to-Point Microwave Radio Service. No new licenses will be issued under this subpart but current licenses will be renewed.

(c) * * *

(12) This frequency is not available in the 150–170 MHz band until August 18, 1996. 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.

* * * * *

(14) This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(15) Assignment of frequencies in this band are subject to the provisions of § 90.173

* * * * *

(e) * * *

(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.

13. Section 90.71 is amended by revising the table of frequencies in paragraph (b) and adding limitations (12), (13), (14), and (15) in paragraph (c), and revising paragraph (e)(3) to read as follows:

§ 90.71 Relay Press Radio Service.

* * * * *

(b) * * *

RELAY PRESS RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Megahertz:		
72.0 to 76.0	Operational fixed	1
169–172	Mobile	8
173.225	Base or mobile	2
173.275	.....do	2
173.325	.....do	2
173.375	.....do	2
220–222	Base and mobile	10
450–470	Fixed or mobile	11, 14
452.9625	Mobile	15
452.975	Fixed or mobile	
452.98125	.....do	13
452.98750	.....do	12
452.99375	.....do	13
453.000	.....do	
453.00625	.....do	13
453.01250	.....do	12
453.01875	.....do	13
457.9625	Mobile	15
457.975	.....do	
457.98125	.....do	13
457.98750	.....do	12
457.99375	.....do	13
458.000	.....do	
458.00625	.....do	13
458.01250	.....do	12
458.01875	.....do	13
806 to 821	.....do	3
851 to 866	Base or mobile	3
896 to 901	Mobile	3
929–930	Base only	9
928 and above	Operational fixed	4
935 to 940	Base or mobile	3
1427 to 1435	Operational fixed, base or mobile	5
2450 to 2500	Base or mobile	6
8400 to 8500	.....do	7
10,550 to 10,680*	.....do	

*The frequencies in the band 10.55–10.68 GHz are available for Digital Termination Systems and for associated internodal links in the Point-to-Point Microwave Radio Service. No new licenses will be issued under this Subpart but current licenses will be renewed.

(c) * * *

(12) This frequency is not available in the 150–170 MHz band until August 18, 1996. 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.

(13) This frequency is not available until August 18, 1996. After August 18,

1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(14) Assignment of frequencies in this band are subject to the provisions of § 90.173

(15) This frequency is available for systems first licensed prior to August 18, 1995. No new systems will be authorized after August 18, 1995, but prior authorized systems may be modified, expanded, and renewed.

* * * * *

(e) * * *

(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.

14. Section 90.73 is amended by revising the table of frequencies in paragraph (c), revising limitation (35) and adding limitations (38), (39), (40), and (41) in paragraph (d), revising the table in paragraph (e)(4), and revising paragraph (f)(4) to read as follows:

§ 90.73 Special Industrial Radio Service.

* * * * *

(c) * * *

SPECIAL INDUSTRIAL RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Kilohertz:		
2,000 to 25,000	Fixed, base or mobile	1
2292	Base or mobile	1, 34
2398	do	1, 34
4637.5	do	1, 34
Megahertz:		
30.58	do	2
30.60	do	2
30.62	do	2
30.64	do	34
31.28	do	34
31.32	do	29, 34
31.36	do	34
31.40	do	29, 34
31.44	do	29, 34
31.48	do	29, 31, 34
31.52	do	29, 31, 34
31.56	do	34
31.60	do	29, 34
31.64	do	29, 31, 34
31.68	do	34
31.72	do	29, 31, 34
31.76	do	29, 31, 34
31.80	do	34
31.84	do	34
31.88	do	34
31.92	do	34
31.96	do	34
33.12	do	3, 34
35.28	Base or mobile	34
35.32	do	34
35.36	do	34
35.40	do	34
35.44	do	34
35.48	do	29, 34
35.52	do	34
35.74	do	2
35.76	do	2
35.78	do	2
35.80	do	2
35.82	do	2
35.84	do	2
35.86	do	2
43.02	do	31, 34
43.04	do	4
43.06	do	34
43.08	do	34
43.10	do	34
43.12	do	34
43.14	do	34
43.18	do	2
43.28	do	31, 34
43.32	do	34
43.36	do	31, 34
43.40	do	31, 34
43.44	do	34
43.48	do	34
43.52	do	31, 34
47.44	do	2

SPECIAL INDUSTRIAL RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
47.48	do	2
47.52	do	2
47.56	do	32
47.60	do	2
47.64	do	2
47.68	do	2
49.52	do	34
49.54	do	5, 34
49.56	do	2
49.58	do	5, 34
72–76	Operational fixed	6
72.44	Mobile	7
72.48	do	7
72.52	do	7
72.56	do	7
72.60	do	7
75.44	do	7
75.48	do	7
75.52	do	7
75.56	do	7
75.60	do	7
150 to 170	Base or mobile	39
151.490	do	2, 8
151.4975	do	2, 8, 35
151.505	do	4
151.5125	do	4, 35
151.520	do	2
151.5275	do	2, 35
151.535	do	2
151.5425	do	2, 35
151.550	do	2
151.5575	do	2, 35
151.565	do	2
151.5725	do	2, 35
151.580	do	2
151.5875	do	2, 35
151.595	do	2
151.6025	do	2, 35
152.465	do	2, 28, 35
152.480	do	2, 9, 35, 40
152.8625	do	10, 34, 38
152.870	do	10, 34
152.8775	do	10, 34, 35
152.885	do	2
152.8925	do	2, 35
152.900	do	2, 10
152.9075	do	2, 10, 35
152.915	do	2
152.9225	do	2, 35
152.930	do	2, 10
152.9375	do	2, 10, 35
152.945	do	2
152.9525	do	2, 35
152.960	do	2, 10
152.9675	do	2, 10, 35
152.975	do	2
152.9825	do	2, 35
152.990	do	2, 10
152.9975	do	2, 10, 35
153.005	do	2
153.0125	do	2, 35
153.020	do	2, 10
153.0275	do	2, 10, 35
153.035	do	2, 11
153.0425	do	2, 11, 35
153.050	do	2, 30, 33
153.0575	do	2, 30, 33, 35
153.125	do	2, 30, 33
153.1325	do	2, 30, 33, 35
153.335	do	2, 30
153.3425	do	2, 30, 35
153.350	do	2, 30

SPECIAL INDUSTRIAL RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
153.3575	.....do	2, 30, 35
153.365	.....do	2, 30
153.3725	.....do	2, 30, 35
153.380	.....do	2, 30
153.3875	.....do	2, 30, 35
153.395	.....do	2, 30
153.4025	.....do	2, 30, 35
154.45625	Fixed or mobile	12, 13, 15, 25
154.46375	.....do	12, 13, 15, 26, 27
154.47125	.....do	12, 13, 15, 27
154.47875	.....do	12, 13, 15, 25
154.4825	Base or mobile	2, 35
154.490	.....do	2
154.4975	.....do	2, 35
154.505	.....do	2, 35
154.625	.....do	2, 9, 40
154.640	.....do	2, 9, 35
157.725	.....do	2, 28
157.740	.....do	2, 9, 40
158.325	.....do	2, 30, 33
158.3325	.....do	2, 30, 33, 35
158.355	.....do	2, 32
158.3625	.....do	2, 32, 35
158.385	.....do	2
158.3925	.....do	2, 35
158.400	.....do	4
158.4075	.....do	4, 35
158.415	.....do	2, 30, 33
158.4225	.....do	2, 30, 33, 35
158.460	.....do	2, 9, 40
169 to 172	Mobile, operational fixed	14
173.20375	Fixed or mobile	12, 13, 15, 27
173.2100	.....do	12, 15, 16, 27
173.2375	.....do	12, 13, 15, 25
173.2625	.....do	12, 13, 15, 25
173.2875	.....do	12, 13, 15, 25
173.3125	.....do	12, 13, 15, 25
173.3375	.....do	12, 13, 15, 25
173.3625	.....do	12, 13, 15, 25
173.3900	.....do	12, 15, 16, 27
173.39625	.....do	12, 13, 15, 27
216 to 220	Base or mobile	17
220–222	Base and mobile	37
406–413	Operational fixed	14
450 to 470	Fixed, base, or mobile	18, 39
451.7125	Mobile	41
451.725	Base or mobile	2
451.73125	.....do	2, 38
451.73750	.....do	2, 35
451.74375	.....do	2, 38
451.7625	Mobile	41
451.775	Base or mobile	2
451.78125	.....do	2, 38
451.78750	.....do	2, 35
451.79375	.....do	2, 38
451.800	Operational fixed, base or mobile	4, 19
451.80625	.....do	4, 19, 38
451.81250	.....do	4, 19, 35
451.81875	.....do	4, 19, 38
451.825	Base or mobile	2
451.83125	.....do	2, 38
451.83750	.....do	2, 35
451.84375	.....do	2, 38
451.850	.....do	2
451.85625	.....do	2, 38
451.86250	.....do	2, 35
451.86875	.....do	2, 38
451.875	.....do	2
451.88125	.....do	2, 38
451.88750	.....do	2, 35
451.89375	.....do	2, 38
451.900	.....do	2

SPECIAL INDUSTRIAL RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
451.90625	.....do	2, 38
451.91250	.....do	2, 35
451.91875	.....do	2, 38
451.925	.....do	2
451.93125	.....do	2, 38
451.93750	.....do	2, 35
451.94375	.....do	2, 38
451.950	.....do	2
451.95625	.....do	2, 38
451.96250	.....do	2, 35
451.96875	.....do	2, 38
451.975	.....do	2
451.98125	.....do	2, 38
451.98750	.....do	2, 35
451.99375	.....do	2, 38
452.000	.....do	2
452.00625	.....do	2, 38
452.01250	.....do	2, 35
452.01875	.....do	2, 38
452.025	.....do	2
452.03125	.....do	2, 38
452.03750	.....do	2, 35
452.04375	.....do	2, 38
452.0625	Mobile	41
452.075	Base or mobile	2
452.08125	.....do	2, 38
452.08750	.....do	2, 35
452.09375	.....do	2, 38
452.1125	Mobile	41
452.125	Base or mobile	2
452.13125	.....do	2, 38
452.13750	.....do	2, 35
452.14375	.....do	2, 38
452.1625	Mobile	41
452.175	Base or mobile	2
452.18125	.....do	2, 38
452.18750	.....do	2, 35
452.19375	.....do	2, 38
456.7125	Mobile	41
456.725	.....do	2
456.73125	.....do	2, 38
456.73750	.....do	2, 35
456.74375	.....do	2, 38
456.7625	.....do	41
456.775	.....do	2
456.78125	.....do	2, 38
456.78750	.....do	2, 35
456.79375	.....do	2, 38
456.800	Operational fixed, base or mobile	4, 19
456.80625	.....do	4, 19, 38
456.81250	.....do	4, 19, 35
456.81875	.....do	4, 19, 38
456.825	Mobile	2
456.83125	.....do	2, 38
456.83750	.....do	2, 35
456.84375	.....do	2, 38
456.850	.....do	2
456.85625	.....do	2, 38
456.86250	.....do	2, 35
456.86875	.....do	2, 38
456.875	.....do	2
456.88125	.....do	2, 38
456.88750	.....do	2, 35
456.89375	.....do	2, 38
456.900	.....do	2
456.90625	.....do	2, 38
456.91250	.....do	2, 35
456.91875	.....do	2, 38
456.925	.....do	2
456.93125	.....do	2, 38
456.93750	.....do	2, 35
456.94375	.....do	2, 38

SPECIAL INDUSTRIAL RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
456.950	do	2
456.95625	do	2, 38
456.96250	do	2, 35
456.96875	do	2, 38
456.975	do	2
456.98125	do	2, 38
456.98750	do	2, 35
456.99375	do	2, 38
457.000	do	2
457.00625	do	2, 38
457.01250	do	2, 35
457.01875	do	2, 38
457.025	do	2
457.03125	do	2, 38
457.03750	do	2, 35
457.04375	do	2, 38
457.0625	do	41
457.075	do	2
457.08125	do	2, 38
457.08750	do	2, 35
457.09375	do	2, 38
457.1125	do	41
457.125	do	2
457.13125	do	2, 38
457.13750	do	2, 35
457.14375	do	2, 38
457.1625	do	41
457.175	do	2
457.18125	do	2, 38
457.18750	do	2, 35
457.19375	do	2, 38
470 to 512	Base or mobile	20
806 to 821	Mobile	21
851 to 866	Base or mobile	21
896 to 901	Mobile	21
928 and above	Operational fixed	22
929–930	Base only	36
935 to 940	Base or mobile	21
1427 to 1435	Operational fixed, base or mobile	17
2450 to 2500	Base or mobile	23
8400 to 8500	do	24
10,550 to 10,680*	do	

*The frequencies in the band 10.55–10.68 GHz are available for Digital Termination Systems and for associated internodal links in the Point-to-Point Microwave Radio Service. No new licenses will be issued under this Subpart but current licenses will be renewed.

(d) * * *

(35) This frequency is not available in the 150–170 MHz band until August 18, 1996. 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.

* * * * *

(38) This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(39) Assignment of frequencies in this band are subject to the provisions of § 90.173.

(40) This frequency will be authorized a channel bandwidth of 25 kHz.

(41) This frequency is available for systems first licensed prior to August 18, 1995. No new systems will be authorized after August 18, 1995, but prior authorized systems may be modified, expanded, and renewed.

(e) * * *

(4) * * *

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
159.420	160.590
159.4275	160.5975
159.435	160.605
159.4425	160.6125

* * * * *

(f) * * *

(4) 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.

* * * * *

15. Section 90.75 is amended by revising the table of frequencies in paragraph (b), revising the table in limitation (23), revising limitation (24), removing and reserving limitation (38), adding limitations (46), (47), (48), (49), (50), and (51) in paragraph (c), and revising paragraphs (d)(4) and (e)(4) to read as follows:

§ 90.75 Business Radio Service.

* * * * *

(b) * * *

BUSINESS RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Megahertz:		
27.43	Base or Mobile	1, 2
27.45	.....do	1, 2
27.47	.....do	1, 2
27.49	.....do	1, 3
27.51	Mobile	4
27.53	.....do	4
30.76	Base or Mobile	1, 2
30.80	.....do	1, 2
30.84	Mobile	4, 22
30.88	Base or Mobile	1, 2
30.92	.....do	1, 2
30.96	.....do	1, 2
31.00	.....do	1, 2
31.04	.....do	1, 2
31.16	.....do	1, 2
31.20	.....do	1, 2
31.24	.....do	1, 2
33.14	Mobile	4, 22
33.16	Base or Mobile	1, 2
33.40	Mobile	6, 22
35.02	.....do	4, 5, 22
35.04	Base or Mobile	1, 3
35.06	.....do	1, 2
35.08	.....do	1, 2
35.10	.....do	1, 2
35.12	.....do	1, 2
35.14	.....do	1, 2
35.18	.....do	1, 2
35.70	.....do	2
35.72	.....do	2
35.88	.....do	1, 2
35.90	.....do	1, 2
35.92	.....do	1, 2
35.94	.....do	
35.96	.....do	
35.98	.....do	
42.96	.....do	1, 2
42.98	Mobile	4, 22
43.00	Base or Mobile	1, 2
72 to 76	Operational fixed	7
74.61	Mobile	45
74.63	.....do	45
74.65	.....do	45
74.67	.....do	45
74.69	.....do	45
74.71	.....do	45
74.73	.....do	45
74.75	.....do	45
74.77	.....do	45
74.79	.....do	45
75.21	.....do	45
75.23	.....do	45
75.25	.....do	45
75.27	.....do	45
75.29	.....do	45
75.31	.....do	45
75.33	.....do	45
75.35	.....do	45
75.37	.....do	45
75.39	.....do	45
150 to 170	Base or Mobile	48
150.815	Mobile	8
150.830	Base	8, 10, 12, 49
150.845	Base or Mobile	8

BUSINESS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
150.8525	do	8, 24
150.860	do	8
150.8675	do	8, 24
150.875	do	8
150.8825	do	8, 24
150.890	do	8
150.8975	do	8, 24
150.905	do	8
150.920	Base	8, 10, 12, 49
150.935	Base or Mobile	8
150.9425	do	8, 24
150.950	do	8
150.9575	do	8, 24
150.965	do	8
150.9725	do	8, 24
150.995	do	8
151.0025	do	8, 24
151.010	do	8
151.0175	do	8, 24
151.025	do	8
151.0325	do	8, 24
151.040	do	8
151.0475	do	8, 24
151.055	do	8
151.070	Base	8, 10, 12, 49
151.085	Base or Mobile	8
151.0925	do	8, 24
151.100	do	8
151.1075	do	8, 24
151.115	do	8
151.1225	do	8, 24
151.130	do	8
151.1375	do	8, 24
151.145	do	8
151.1525	do	8, 24
151.160	do	8
151.1675	do	8, 24
151.175	do	8
151.190	Base	8, 10, 12, 49
151.205	Base or Mobile	8
151.2125	do	8, 24
151.220	do	8
151.2275	do	8, 24
151.235	do	8
151.2425	do	8, 24
151.250	do	8
151.2575	do	8, 24
151.265	do	8
151.2725	do	8, 24
151.280	do	8
151.2875	do	8, 24
151.295	do	8
151.310	Base	8, 10, 12, 49
151.325	Base or Mobile	8
151.3325	do	8, 24
151.340	do	8
151.3475	do	8, 24
151.355	do	8
151.3625	do	8, 24
151.370	do	8
151.3775	do	8, 24
151.385	do	8
151.3925	do	8, 24
151.400	do	8
151.4075	do	8, 24
151.415	do	8
151.4225	do	8, 24
151.430	do	8
151.4375	do	8, 24
151.445	do	8
151.4525	do	8, 24
151.460	do	8

BUSINESS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
151.4675	.....do	8, 24
151.475	.....do	8
151.4825	.....do	8, 24
151.625	.....do	1, 3
151.640	.....do	1, 2, 46
151.6475	.....do	1, 2, 24
151.655	.....do	1, 2
151.6625	.....do	1, 2, 24
151.670	.....do	1, 2, 24
151.6775	.....do	1, 2, 24
151.685	.....do	1, 2
151.700	.....do	3, 30, 47
151.715	.....do	1, 2
151.7225	.....do	1, 2, 24
151.730	.....do	1, 2, 24
151.7375	.....do	1, 2, 24
151.745	.....do	1, 2
151.760	.....do	3, 30, 47
151.775	.....do	1, 2
151.7825	.....do	1, 2, 24
151.790	.....do	1, 2, 24
151.7975	.....do	1, 2, 24
151.805	.....do	1, 2
151.820	Mobile	13, 22, 47, 51
151.835	Base or Mobile	1, 2
151.8425	.....do	1, 2, 24
151.850	.....do	1, 2, 24
151.8575	.....do	1, 2, 24
151.865	.....do	1, 2
151.880	Mobile	13, 22, 47, 51
151.895	Base or Mobile	1, 2
151.9025	.....do	1, 2, 24
151.910	.....do	1, 2, 24
151.9175	.....do	1, 2, 24
151.925	.....do	
151.940	Mobile	13, 22, 47, 51
151.955	Base or Mobile	
151.9625	.....do	1, 2, 24
151.970	.....do	1, 2, 24
151.9775	.....do	1, 2, 24
152.300	.....do	9
152.3075	.....do	9, 24
152.315	.....do	1, 9
152.3225	.....do	1, 9, 24
152.345	.....do	1, 9
152.3525	.....do	1, 9, 24
152.360	.....do	9
152.3675	.....do	9, 24
152.375	.....do	1, 9
152.3825	.....do	1, 9, 24
152.405	.....do	1, 9
152.4125	.....do	1, 9, 24
152.420	.....do	9
152.4275	.....do	9, 24
152.480	Base	10, 11, 12, 49
154.45625	Mobile	18, 19, 36
154.46375	.....do	18, 19, 35, 37
154.47125	.....do	18, 19, 35
154.515	Base or Mobile	1, 2
154.5275	Mobile	3, 30, 47
154.540	Base or Mobile	1, 2
154.5475	.....do	1, 2, 24
154.555	.....do	1, 2, 46
154.570	Mobile	4, 13, 22
154.600	.....do	4, 14, 22
154.610	Base or Mobile	1, 2, 46
154.625	Base	10, 11, 15, 49
154.640	.....do	10, 11, 15, 24
157.560	Base or Mobile	9
157.5675	.....do	9, 24
157.575	Mobile	1, 9
157.5825	.....do	1, 9, 24

BUSINESS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
157.605	Mobile	1, 9
157.6125	.....do	1, 9, 24
157.620	Base or Mobile	9
157.6275	.....do	9, 24
157.635	Mobile	1, 9
157.6425	.....do	1, 9, 24
157.665	Mobile	1, 9
157.6725	.....do	1, 9, 24
157.680	.....do	9
157.6875	.....do	9, 24
157.740	Base	10, 11, 12, 49
158.460	.....do	10, 11, 12, 15, 49
169 to 172	Mobile, operational fixed	17
173.20375	Mobile	18, 19, 35
173.2100	.....do	18, 20, 35
173.2375	.....do	18, 19, 36
173.2625	.....do	18, 19, 36
173.2875	.....do	18, 19, 36
173.3125	.....do	18, 19, 36
173.3375	.....do	18, 19, 36
173.3625	.....do	18, 19, 36
173.3900	.....do	18, 20, 35
173.39625	.....do	18, 19, 35
216 to 220	Base or Mobile	21
220–222	Base and mobile	44
406 to 413	Operational fixed	17
450 to 470	Base or Mobile	48
457.5125	Mobile	50
457.525	.....do	4, 14, 22, 23
457.53125	.....do	4, 14, 22, 23, 46
457.53750	.....do	4, 14, 22, 23, 24
457.54375	.....do	4, 14, 22, 23, 46
457.550	.....do	4, 14, 22, 23
457.55625	.....do	4, 14, 22, 23, 46
457.56250	.....do	4, 14, 22, 23, 24
457.56875	.....do	4, 14, 22, 23, 46
457.575	.....do	4, 14, 22, 23
457.58125	.....do	4, 14, 22, 23, 46
457.58750	.....do	4, 14, 22, 23, 24
457.59375	.....do	4, 14, 22, 23, 46
457.600	.....do	4, 14, 22, 23
457.60625	.....do	4, 14, 22, 23, 46
457.61250	.....do	4, 14, 22, 23, 24
457.61875	.....do	4, 14, 22, 23, 46
460.650	Base or Mobile	2, 15, 25, 26
460.65625	.....do	2, 15, 25, 26, 46
460.66250	.....do	2, 15, 24, 25, 26
460.66875	.....do	2, 15, 25, 26, 46
460.675	.....do	2, 15, 25, 26
460.68125	.....do	2, 15, 25, 26, 46
460.68750	.....do	2, 15, 24, 25, 26
460.69375	.....do	2, 15, 25, 26, 46
460.700	.....do	2, 15, 25, 26
460.70625	.....do	2, 15, 25, 26, 46
460.71250	.....do	2, 15, 24, 25, 26
460.71875	.....do	2, 15, 25, 26, 46
460.725	.....do	2, 15, 25, 26
460.73125	.....do	2, 15, 25, 26, 46
460.73750	.....do	2, 15, 24, 25, 26
460.74375	.....do	2, 15, 25, 26, 46
460.750	.....do	2, 15, 25, 26
460.75625	.....do	2, 15, 25, 26, 46
460.76250	.....do	2, 15, 24, 25, 26
460.76875	.....do	2, 15, 25, 26, 46
460.775	.....do	2, 15, 25, 26
460.78125	.....do	2, 15, 25, 26, 46
460.78750	.....do	2, 15, 24, 25, 26
460.79375	.....do	2, 15, 25, 26, 46
460.800	.....do	2, 15, 25, 26
460.80625	.....do	2, 15, 25, 26, 46
460.81250	.....do	2, 15, 24, 25, 26
460.81875	.....do	2, 15, 25, 26, 46

BUSINESS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
460.825	do	2, 15, 25, 26
460.83125	do	2, 15, 25, 26, 46
460.83750	do	2, 15, 24, 25, 26
460.84375	do	2, 15, 25, 26, 46
460.850	do	2, 15, 25, 26
460.85625	do	2, 15, 25, 26, 46
460.86250	do	2, 15, 24, 25, 26
460.86875	do	2, 15, 25, 26, 46
460.875	do	2, 15, 25, 26
460.88125	do	2, 15, 25, 26, 46
460.88750	do	2, 15, 24, 25, 26
460.89375	do	2, 15, 25, 26, 46
460.900	do	1, 2, 27, 39, 40
460.90625	do	1, 2, 27, 39, 40, 46
460.91250	do	1, 2, 24, 27, 39, 40
460.91875	do	1, 2, 27, 39, 40, 46
460.925	do	1, 2, 27, 39, 40
460.93125	do	1, 2, 27, 39, 40, 46
460.93750	do	1, 2, 24, 27, 39, 40
460.94375	do	1, 2, 27, 39, 40, 46
460.950	do	1, 2, 27, 39, 40
460.95625	do	1, 2, 27, 39, 40, 46
460.96250	do	1, 2, 24, 27, 39, 40
460.96875	do	1, 2, 27, 39, 40, 46
460.975	do	1, 2, 28, 39, 40
460.98125	do	1, 2, 28, 39, 40, 46
460.98750	do	1, 2, 24, 28, 39, 40
460.99375	do	1, 2, 28, 39, 40, 46
461.000	do	1, 2, 28, 39, 40
461.00625	do	1, 2, 28, 39, 40, 46
461.01250	do	1, 2, 24, 28, 39, 40
461.01875	do	1, 2, 28, 39, 40, 46
461.025	do	1, 2, 26
461.03125	do	1, 2, 26, 46
461.03750	do	1, 2, 24, 26
461.04375	do	1, 2, 26, 46
461.050	do	1, 2, 26
461.05625	do	1, 2, 26, 46
461.06250	do	1, 2, 24, 26
461.06875	do	1, 2, 26, 46
461.075	do	1, 2, 26
461.08125	do	1, 2, 26, 46
461.08750	do	1, 2, 24, 26
461.09375	do	1, 2, 26, 46
461.100	do	1, 2, 26
461.10625	do	1, 2, 26, 46
461.11250	do	1, 2, 24, 26
461.11875	do	1, 2, 26, 46
461.125	do	1, 2, 26
461.13125	do	1, 2, 26, 46
461.13750	do	1, 2, 24, 26
461.14375	do	1, 2, 26, 46
461.150	do	1, 2, 26
461.15625	do	1, 2, 26, 46
461.16250	do	1, 2, 24, 26
461.16875	do	1, 2, 26, 46
461.175	do	1, 2, 26
461.18125	do	1, 2, 26, 46
461.18750	do	1, 2, 24, 26
461.19375	do	1, 2, 26, 46
461.200	do	1, 2, 26
461.20625	do	1, 2, 26, 46
461.21250	do	1, 2, 24, 26
461.21875	do	1, 2, 26, 46
461.225	do	1, 2, 26
461.23125	do	1, 2, 26, 46
461.23750	do	1, 2, 24, 26
461.24375	do	1, 2, 26, 46
461.250	do	1, 2, 26
461.25625	do	1, 2, 26, 46
461.26250	do	1, 2, 24, 26
461.26875	do	1, 2, 26, 46

BUSINESS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
461.275	do	1, 2, 26
461.28125	do	1, 2, 26, 46
461.28750	do	1, 2, 24, 26
461.29375	do	1, 2, 26, 46
461.300	do	1, 2, 26
461.30625	do	1, 2, 26, 46
461.31250	do	1, 2, 24, 26
461.31875	do	1, 2, 26, 46
461.325	do	1, 2, 26
461.33125	do	1, 2, 26, 46
461.33750	do	1, 2, 24, 26
461.34375	do	1, 2, 26, 46
461.350	do	1, 2, 26
461.35625	do	1, 2, 26, 46
461.36250	do	1, 2, 24, 26
461.36875	do	1, 2, 26, 46
461.375	do	1, 2, 26
461.38125	do	1, 2, 26, 46
461.38750	do	1, 2, 24, 26
461.39375	do	1, 2, 26, 46
461.400	do	1, 2, 26
461.40625	do	1, 2, 26, 46
461.41250	do	1, 2, 24, 26
461.41875	do	1, 2, 26, 46
461.425	do	1, 2, 26
461.43125	do	1, 2, 26, 46
461.43750	do	1, 2, 24, 26
461.44375	do	1, 2, 26, 46
461.450	do	1, 2, 26
461.45625	do	1, 2, 26, 46
461.46250	do	1, 2, 24, 26
461.46875	do	1, 2, 26, 46
461.475	do	1, 2, 26
461.48125	do	1, 2, 26, 46
461.48750	do	1, 2, 24, 26
461.49375	do	1, 2, 26, 46
461.500	do	1, 2, 26
461.50625	do	1, 2, 26, 46
461.51250	do	1, 2, 24, 26
461.51875	do	1, 2, 26, 46
461.525	do	1, 2, 26
461.53125	do	1, 2, 26, 46
461.53750	do	1, 2, 24, 26
461.54375	do	1, 2, 26, 46
461.550	do	1, 2, 26
461.55625	do	1, 2, 26, 46
461.56250	do	1, 2, 24, 26
461.56875	do	1, 2, 26, 46
461.575	do	1, 2, 26
461.58125	do	1, 2, 26, 46
461.58750	do	1, 2, 24, 26
461.59375	do	1, 2, 26, 46
461.600	do	1, 2, 26
461.60625	do	1, 2, 26, 46
461.61250	do	1, 2, 24, 26
461.61875	do	1, 2, 26, 46
461.625	do	1, 2, 26
461.63125	do	1, 2, 26, 46
461.63750	do	1, 2, 24, 26
461.64375	do	1, 2, 26, 46
461.650	do	1, 2, 26
461.65625	do	1, 2, 26, 46
461.66250	do	1, 2, 24, 26
461.66875	do	1, 2, 26, 46
461.675	do	1, 2, 26
461.68125	do	1, 2, 26, 46
461.68750	do	1, 2, 24, 26
461.69375	do	1, 2, 26, 46
461.700	do	1, 2, 26
461.70625	do	1, 2, 26, 46
461.71250	do	1, 2, 24, 26
461.71875	do	1, 2, 26, 46

BUSINESS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
461.725	do	1, 2, 26
461.73125	do	1, 2, 26, 46
461.73750	do	1, 2, 24, 26
461.74375	do	1, 2, 26, 46
461.750	do	1, 2, 26
461.75625	do	1, 2, 26, 46
461.76250	do	1, 2, 24, 26
461.76875	do	1, 2, 26, 46
461.775	do	1, 2, 26
461.78125	do	1, 2, 26, 46
461.78750	do	1, 2, 24, 26
461.79375	do	1, 2, 26, 46
461.800	do	1, 2, 26
461.80625	do	1, 2, 26, 46
461.81250	do	1, 2, 24, 26
461.81875	do	1, 2, 26, 46
461.825	do	1, 2, 26
461.83125	do	1, 2, 26, 46
461.83750	do	1, 2, 24, 26
461.84375	do	1, 2, 26, 46
461.850	do	1, 2, 26
461.85625	do	1, 2, 26, 46
461.86250	do	1, 2, 24, 26
461.86875	do	1, 2, 26, 46
461.875	do	1, 2, 26
461.88125	do	1, 2, 26, 46
461.88750	do	1, 2, 24, 26
461.89375	do	1, 2, 26, 46
461.900	do	1, 2, 26
461.90625	do	1, 2, 26, 46
461.91250	do	1, 2, 24, 26
461.91875	do	1, 2, 26, 46
461.925	do	1, 2, 26
461.93125	do	1, 2, 26, 46
461.93750	do	1, 2, 24, 26
461.94375	do	1, 2, 26, 46
461.950	do	1, 2, 26
461.95625	do	1, 2, 26, 46
461.96250	do	1, 2, 24, 26
461.96875	do	1, 2, 26, 46
461.975	do	1, 2, 26
461.98125	do	1, 2, 26, 46
461.98750	do	1, 2, 24, 26
461.99375	do	1, 2, 26, 46
462.000	do	1, 2, 26
462.00625	do	1, 2, 26, 46
462.01250	do	1, 2, 24, 26
462.01875	do	1, 2, 26, 46
462.025	do	1, 2, 26
462.03125	do	1, 2, 26, 46
462.03750	do	1, 2, 24, 26
462.04375	do	1, 2, 26, 46
462.050	do	1, 2, 26
462.05625	do	1, 2, 26, 46
462.06250	do	1, 2, 24, 26
462.06875	do	1, 2, 26, 46
462.075	do	1, 2, 26
462.08125	do	1, 2, 26, 46
462.08750	do	1, 2, 24, 26
462.09375	do	1, 2, 26, 46
462.100	do	1, 2, 26
462.10625	do	1, 2, 26, 46
462.11250	do	1, 2, 24, 26
462.11875	do	1, 2, 26, 46
462.125	do	1, 2, 26
462.13125	do	1, 2, 26, 46
462.13750	do	1, 2, 24, 26
462.14375	do	1, 2, 26, 46
462.150	do	1, 2, 26
462.15625	do	1, 2, 26, 46
462.16250	do	1, 2, 24, 26
462.16875	do	1, 2, 26, 46

BUSINESS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
462.175	.....do	1, 2, 26
462.18125	.....do	1, 2, 26, 46
462.18750	.....do	1, 2, 24, 26
462.19375	.....do	1, 2, 26, 46
462.750	Base	10, 49
462.7625	Mobile	50
462.775	Base	10, 49
462.7875	Mobile	50
462.800	Base	10, 49
462.8125	Mobile	50
462.825	Base	10, 49
462.8375	Mobile	50
462.850	Base	10, 49
462.8625	Mobile	50
462.875	Base	10, 49
462.8875	Mobile	50
462.900	Base	10, 49
462.9125	Mobile	50
462.925	Base	10, 49
462.93750	.....do	24, 49
462.94375	.....do	46
463.200	Base or Mobile	1, 2, 26
463.20625	.....do	1, 2, 26, 46
463.21250	.....do	1, 2, 24, 26
463.21875	.....do	1, 2, 26, 46
463.225	.....do	1, 2, 26
463.23125	.....do	1, 2, 26, 46
463.23750	.....do	1, 2, 24, 26
463.24375	.....do	1, 2, 26, 46
463.250	.....do	1, 2, 26
463.25625	.....do	1, 2, 26, 46
463.26250	.....do	1, 2, 24, 26
463.26875	.....do	1, 2, 26, 46
463.275	.....do	1, 2, 26
463.28125	.....do	1, 2, 26, 46
463.28750	.....do	1, 2, 24, 26
463.29375	.....do	1, 2, 26, 46
463.300	.....do	1, 2, 26
463.30625	.....do	1, 2, 26, 46
463.31250	.....do	1, 2, 24, 26
463.31875	.....do	1, 2, 26, 46
463.325	.....do	1, 2, 26
463.33125	.....do	1, 2, 26, 46
463.33750	.....do	1, 2, 24, 26
463.34375	.....do	1, 2, 26, 46
463.350	.....do	1, 2, 26
463.35625	.....do	1, 2, 26, 46
463.36250	.....do	1, 2, 24, 26
463.36875	.....do	1, 2, 26, 46
463.375	.....do	1, 2, 26
463.38125	.....do	1, 2, 26, 46
463.38750	.....do	1, 2, 24, 26
463.39375	.....do	1, 2, 26, 46
463.400	.....do	1, 2, 26
463.40625	.....do	1, 2, 26, 46
463.41250	.....do	1, 2, 24, 26
463.41875	.....do	1, 2, 26, 46
463.425	.....do	1, 2, 26
463.43125	.....do	1, 2, 26, 46
463.43750	.....do	1, 2, 24, 26
463.44375	.....do	1, 2, 26, 46
463.450	.....do	1, 2, 26
463.45625	.....do	1, 2, 26, 46
463.46250	.....do	1, 2, 24, 26
463.46875	.....do	1, 2, 26, 46
463.475	.....do	1, 2, 26
463.48125	.....do	1, 2, 26, 46
463.48750	.....do	1, 2, 24, 26
463.49375	.....do	1, 2, 26, 46
463.500	.....do	1, 2, 26
463.50625	.....do	1, 2, 26, 46
463.51250	.....do	1, 2, 24, 26

BUSINESS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
463.51875	do	1, 2, 26, 46
463.525	do	1, 2, 26
463.53125	do	1, 2, 26, 46
463.53750	do	1, 2, 24, 26
463.54375	do	1, 2, 26, 46
463.550	do	1, 2, 26
463.55625	do	1, 2, 26, 46
463.56250	do	1, 2, 24, 26
463.56875	do	1, 2, 26, 46
463.575	do	1, 2, 26
463.58125	do	1, 2, 26, 46
463.58750	do	1, 2, 24, 26
463.59375	do	1, 2, 26, 46
463.600	do	1, 2, 26
463.60625	do	1, 2, 26, 46
463.61250	do	1, 2, 24, 26
463.61875	do	1, 2, 26, 46
463.625	do	1, 2, 26
463.63125	do	1, 2, 26, 46
463.63750	do	1, 2, 24, 26
463.64375	do	1, 2, 26, 46
463.650	do	1, 2, 26
463.65625	do	1, 2, 26, 46
463.66250	do	1, 2, 24, 26
463.66875	do	1, 2, 26, 46
463.675	do	1, 2, 26
463.68125	do	1, 2, 26, 46
463.68750	do	1, 2, 24, 26
463.69375	do	1, 2, 26, 46
463.700	do	1, 2, 26
463.70625	do	1, 2, 26, 46
463.71250	do	1, 2, 24, 26
463.71875	do	1, 2, 26, 46
463.725	do	1, 2, 26
463.73125	do	1, 2, 26, 46
463.73750	do	1, 2, 24, 26
463.74375	do	1, 2, 26, 46
463.750	do	1, 2, 26
463.75625	do	1, 2, 26, 46
463.76250	do	1, 2, 24, 26
463.76875	do	1, 2, 26, 46
463.775	do	1, 2, 26
463.78125	do	1, 2, 26, 46
463.78750	do	1, 2, 24, 26
463.79375	do	1, 2, 26, 46
463.800	do	1, 2, 26
463.80625	do	1, 2, 26, 46
463.81250	do	1, 2, 24, 26
463.81875	do	1, 2, 26, 46
463.825	do	1, 2, 26
463.83125	do	1, 2, 26, 46
463.83750	do	1, 2, 24, 26
463.84375	do	1, 2, 26, 46
463.850	do	1, 2, 26
463.85625	do	1, 2, 26, 46
463.86250	do	1, 2, 24, 26
463.86875	do	1, 2, 26, 46
463.875	do	1, 2, 26
463.88125	do	1, 2, 26, 46
463.88750	do	1, 2, 24, 26
463.89375	do	1, 2, 26, 46
463.900	do	1, 2, 26
463.90625	do	1, 2, 26, 46
463.91250	do	1, 2, 24, 26
463.91875	do	1, 2, 26, 46
463.925	do	1, 2, 26
463.93125	do	1, 2, 26, 46
463.93750	do	1, 2, 24, 26
463.94375	do	1, 2, 26, 46
463.950	do	1, 2, 26
463.95625	do	1, 2, 26, 46
463.96250	do	1, 2, 24, 26

BUSINESS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
463.96875	do	1, 2, 26, 46
463.975	do	1, 2, 26
463.98125	do	1, 2, 26, 46
463.98750	do	1, 2, 24, 26
463.99375	do	1, 2, 26, 46
464.000	do	1, 2, 26
464.00625	do	1, 2, 26, 46
464.01250	do	1, 2, 24, 26
464.01875	do	1, 2, 26, 46
464.025	do	1, 2, 26
464.03125	do	1, 2, 26, 46
464.03750	do	1, 2, 24, 26
464.04375	do	1, 2, 26, 46
464.050	do	1, 2, 26
464.05625	do	1, 2, 26, 46
464.06250	do	1, 2, 24, 26
464.06875	do	1, 2, 26, 46
464.075	do	1, 2, 26
464.08125	do	1, 2, 26, 46
464.08750	do	1, 2, 24, 26
464.09375	do	1, 2, 26, 46
464.100	do	1, 2, 26
464.10625	do	1, 2, 26, 46
464.11250	do	1, 2, 24, 26
464.11875	do	1, 2, 26, 46
464.125	do	1, 2, 26
464.13125	do	1, 2, 26, 46
464.13750	do	1, 2, 24, 26
464.14375	do	1, 2, 26, 46
464.150	do	1, 2, 26
464.15625	do	1, 2, 26, 46
464.16250	do	1, 2, 24, 26
464.16875	do	1, 2, 26, 46
464.175	do	1, 2, 26
464.18125	do	1, 2, 26, 46
464.18750	do	1, 2, 24, 26
464.19375	do	1, 2, 26, 46
464.200	do	1, 2, 26
464.20625	do	1, 2, 26, 46
464.21250	do	1, 2, 24, 26
464.21875	do	1, 2, 26, 46
464.225	do	1, 2, 26
464.23125	do	1, 2, 26, 46
464.23750	do	1, 2, 24, 26
464.24375	do	1, 2, 26, 46
464.250	do	1, 2, 26
464.25625	do	1, 2, 26, 46
464.26250	do	1, 2, 24, 26
464.26875	do	1, 2, 26, 46
464.275	do	1, 2, 26
464.28125	do	1, 2, 26, 46
464.28750	do	1, 2, 24, 26
464.29375	do	1, 2, 26, 46
464.300	do	1, 2, 26
464.30625	do	1, 2, 26, 46
464.31250	do	1, 2, 24, 26
464.31875	do	1, 2, 26, 46
464.325	do	1, 2, 26, 29
464.33125	do	1, 2, 26, 29, 46
464.33750	do	1, 2, 24, 26, 29
464.34375	do	1, 2, 26, 29, 46
464.350	do	1, 2, 26
464.35625	do	1, 2, 26, 46
464.36250	do	1, 2, 24, 26
464.36875	do	1, 2, 26, 46
464.375	do	1, 2, 26, 29
464.38125	do	1, 2, 26, 29, 46
464.38750	do	1, 2, 24, 26, 29
464.39375	do	1, 2, 26, 29, 46
464.400	do	1, 2, 26
464.40625	do	1, 2, 26, 46
464.41250	do	1, 2, 24, 26

BUSINESS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
464.41875	do	1, 2, 26, 46
464.425	do	1, 2, 26, 29
464.43125	do	1, 2, 26, 29, 46
464.43750	do	1, 2, 24, 26, 29
464.44375	do	1, 2, 26, 29, 46
464.450	do	1, 2, 26
464.45625	do	1, 2, 26, 46
464.46250	do	1, 2, 24, 26
464.46875	do	1, 2, 26, 46
464.475	do	1, 2, 26, 29
464.48125	do	1, 2, 26, 29, 46
464.4875	do	1, 2, 26, 29, 46
464.500	do	3, 30
464.5125	do	1, 2, 26, 29, 46
464.51875	do	1, 2, 26, 29, 46
464.525	do	1, 2, 26, 29
464.53125	do	1, 2, 26, 29, 46
464.5375	do	1, 2, 26, 29, 46
464.550	do	3, 30
464.5625	do	1, 2, 26, 29, 46
464.56875	do	1, 2, 26, 29, 46
464.575	do	1, 2, 26, 29
464.58125	do	1, 2, 26, 29, 46
464.58750	do	1, 2, 24, 26, 29
464.59375	do	1, 2, 26, 29, 46
464.600	do	1, 26
464.60625	do	1, 26, 46
464.61250	do	1, 24, 26
464.61875	do	1, 26, 46
464.625	do	1, 26
464.63125	do	1, 26, 46
464.63750	do	1, 24, 26
464.64375	do	1, 26, 46
464.650	do	1, 26
464.65625	do	1, 26, 46
464.66250	do	1, 24, 26
464.66875	do	1, 26, 46
464.675	do	1, 2, 26, 29
464.68125	do	1, 2, 26, 29, 46
464.68750	do	1, 2, 24, 26, 29
464.69375	do	1, 2, 26, 29, 46
464.700	do	1, 26
464.70625	do	1, 26, 46
464.71250	do	1, 24, 26
464.71875	do	1, 26, 46
464.725	do	1, 26
464.73125	do	1, 26, 46
464.73750	do	1, 24, 26
464.74375	do	1, 26, 46
464.750	do	1, 26
464.75625	do	1, 26, 46
464.76250	do	1, 24, 26
464.76875	do	1, 26, 46
464.775	do	1, 2, 26, 29
464.78125	do	1, 2, 26, 29, 46
464.78750	do	1, 2, 24, 26, 29
464.79375	do	1, 2, 26, 29, 46
464.800	do	1, 2, 26
464.80625	do	1, 2, 26, 46
464.81250	do	1, 2, 24, 26
464.81875	do	1, 2, 26, 46
464.825	do	1, 2, 26, 29
464.83125	do	1, 2, 26, 29, 46
464.83750	do	1, 2, 24, 26, 29
464.84375	do	1, 2, 26, 29, 46
464.850	do	1, 2, 26
464.85625	do	1, 2, 26, 46
464.86250	do	1, 2, 24, 26
464.86875	do	1, 2, 26, 46
464.875	do	1, 2, 26, 29
464.88125	do	1, 2, 26, 29, 46
464.88750	do	1, 2, 24, 26, 29

BUSINESS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
464.89375	.....do	1, 2, 26, 29, 46
464.900	.....do	1, 2, 26
464.90625	.....do	1, 2, 26, 46
464.91250	.....do	1, 2, 24, 26
464.91875	.....do	1, 2, 26, 46
464.925	.....do	1, 2, 26, 29
464.93125	.....do	1, 2, 26, 29, 46
464.93750	.....do	1, 2, 24, 26, 29
464.94375	.....do	1, 2, 26, 29, 46
464.950	.....do	1, 2, 26
464.95625	.....do	1, 2, 26, 46
464.96250	.....do	1, 2, 24, 26
464.96875	.....do	1, 2, 26, 46
464.975	.....do	1, 2, 26, 29
464.98125	.....do	1, 2, 26, 29, 46
464.98750	.....do	1, 2, 24, 26, 29
465.000	Base	10, 30, 49
465.01250	.....do	24, 30
465.01875	.....do	30, 46
465.650	Mobile	2, 4, 25, 26, 31
465.65625	.....do	2, 4, 25, 26, 31, 46
465.66250	.....do	2, 4, 24, 25, 26, 31
465.66875	.....do	2, 4, 25, 26, 31, 46
465.675	.....do	2, 4, 25, 26, 31
465.68125	.....do	2, 4, 25, 26, 31, 46
465.68750	.....do	2, 4, 24, 25, 26, 31
465.69375	.....do	2, 4, 25, 26, 31, 46
465.700	.....do	2, 4, 25, 26, 31
465.70625	.....do	2, 4, 25, 26, 31, 46
465.71250	.....do	2, 4, 24, 25, 26, 31
465.71875	.....do	2, 4, 25, 26, 31, 46
465.725	.....do	2, 4, 25, 26, 31
465.73125	.....do	2, 4, 25, 26, 31, 46
465.73750	.....do	2, 4, 24, 25, 26, 31
465.74375	.....do	2, 4, 25, 26, 31, 46
465.750	.....do	2, 4, 25, 26, 31
465.75625	.....do	2, 4, 25, 26, 31, 46
465.76250	.....do	2, 4, 24, 25, 26, 31
465.76875	.....do	2, 4, 25, 26, 31, 46
465.775	.....do	2, 4, 25, 26, 31
465.78125	.....do	2, 4, 25, 26, 31, 46
465.78750	.....do	2, 4, 24, 25, 26, 31
465.79375	.....do	2, 4, 25, 26, 31, 46
465.800	.....do	2, 4, 25, 26, 31
465.80625	.....do	2, 4, 25, 26, 31, 46
465.81250	.....do	2, 4, 24, 25, 26, 31
465.81875	.....do	2, 4, 25, 26, 31, 46
465.825	.....do	2, 4, 25, 26, 31
465.83125	.....do	2, 4, 25, 26, 31, 46
465.83750	.....do	2, 4, 24, 25, 26, 31
465.84375	.....do	2, 4, 25, 26, 31, 46
465.850	.....do	2, 4, 25, 26, 31
465.85625	.....do	2, 4, 25, 26, 31, 46
465.86250	.....do	2, 4, 24, 25, 26, 31
465.86875	.....do	2, 4, 25, 26, 31, 46
465.875	.....do	2, 4, 25, 26, 31
465.88125	.....do	2, 4, 25, 26, 31, 46
465.88750	.....do	2, 4, 24, 25, 26, 31
465.89375	.....do	2, 4, 25, 26, 31, 46
465.900	.....do	1, 2, 27, 39
465.90625	.....do	1, 2, 27, 39, 46
465.91250	.....do	1, 2, 24, 27, 39
465.91875	.....do	1, 2, 27, 39, 46
465.925	.....do	1, 2, 27, 39
465.93125	.....do	1, 2, 27, 39, 46
465.93750	.....do	1, 2, 24, 27, 39
465.94375	.....do	1, 2, 27, 39, 46
465.950	.....do	1, 2, 27, 39
465.95625	.....do	1, 2, 27, 39, 46
465.96250	.....do	1, 2, 24, 27, 39
465.96875	.....do	1, 2, 27, 39, 46
465.975	.....do	1, 2, 28, 39

BUSINESS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
465.98125	do	1, 2, 28, 39, 46
465.98750	do	1, 2, 24, 28, 39
465.99375	do	1, 2, 28, 39, 46
466.000	do	1, 2, 28, 39
466.00625	do	1, 2, 28, 39, 46
466.01250	do	1, 2, 24, 28, 39
466.01875	do	1, 2, 28, 39, 46
466.025	do	1, 2, 26
466.03125	do	1, 2, 26, 46
466.03750	do	1, 2, 24, 26
466.04375	do	1, 2, 26, 46
466.050	do	1, 2, 26
466.05625	do	1, 2, 26, 46
466.06250	do	1, 2, 24, 26
466.06875	do	1, 2, 26, 46
466.075	do	1, 2, 26
466.08125	do	1, 2, 26, 46
466.08750	do	1, 2, 24, 26
466.09375	do	1, 2, 26, 46
466.100	do	1, 2, 26
466.10625	do	1, 2, 26, 46
466.11250	do	1, 2, 24, 26
466.11875	do	1, 2, 26, 46
466.125	do	1, 2, 26
466.13125	do	1, 2, 26, 46
466.13750	do	1, 2, 24, 26
466.14375	do	1, 2, 26, 46
466.150	do	1, 2, 26
466.15625	do	1, 2, 26, 46
466.16250	do	1, 2, 24, 26
466.16875	do	1, 2, 26, 46
466.175	do	1, 2, 26
466.18125	do	1, 2, 26, 46
466.18750	do	1, 2, 24, 26
466.19375	do	1, 2, 26, 46
466.200	do	1, 2, 26
466.20625	do	1, 2, 26, 46
466.21250	do	1, 2, 24, 26
466.21875	do	1, 2, 26, 46
466.225	do	1, 2, 26
466.23125	do	1, 2, 26, 46
466.23750	do	1, 2, 24, 26
466.24375	do	1, 2, 26, 46
466.250	do	1, 2, 26
466.25625	do	1, 2, 26, 46
466.26250	do	1, 2, 24, 26
466.26875	do	1, 2, 26, 46
466.275	do	1, 2, 26
466.28125	do	1, 2, 26, 46
466.28750	do	1, 2, 24, 26
466.29375	do	1, 2, 26, 46
466.300	do	1, 2, 26
466.30625	do	1, 2, 26, 46
466.31250	do	1, 2, 24, 26
466.31875	do	1, 2, 26, 46
466.325	do	1, 2, 26
466.33125	do	1, 2, 26, 46
466.33750	do	1, 2, 24, 26
466.34375	do	1, 2, 26, 46
466.350	do	1, 2, 26
466.35625	do	1, 2, 26, 46
466.36250	do	1, 2, 24, 26
466.36875	do	1, 2, 26, 46
466.375	do	1, 2, 26
466.38125	do	1, 2, 26, 46
466.38750	do	1, 2, 24, 26
466.39375	do	1, 2, 26, 46
466.400	do	1, 2, 26
466.40625	do	1, 2, 26, 46
466.41250	do	1, 2, 24, 26
466.41875	do	1, 2, 26, 46
466.425	do	1, 2, 26

BUSINESS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
466.43125	do	1, 2, 26, 46
466.43750	do	1, 2, 24, 26
466.44375	do	1, 2, 26, 46
466.450	do	1, 2, 26
466.45625	do	1, 2, 26, 46
466.46250	do	1, 2, 24, 26
466.46875	do	1, 2, 26, 46
466.475	do	1, 2, 26
466.48125	do	1, 2, 26, 46
466.48750	do	1, 2, 24, 26
466.49375	do	1, 2, 26, 46
466.500	do	1, 2, 26
466.50625	do	1, 2, 26, 46
466.51250	do	1, 2, 24, 26
466.51875	do	1, 2, 26, 46
466.525	do	1, 2, 26
466.53125	do	1, 2, 26, 46
466.53750	do	1, 2, 24, 26
466.54375	do	1, 2, 26, 46
466.550	do	1, 2, 26
466.55625	do	1, 2, 26, 46
466.56250	do	1, 2, 24, 26
466.56875	do	1, 2, 26, 46
466.575	do	1, 2, 26
466.58125	do	1, 2, 26, 46
466.58750	do	1, 2, 24, 26
466.59375	do	1, 2, 26, 46
466.600	do	1, 2, 26
466.60625	do	1, 2, 26, 46
466.61250	do	1, 2, 24, 26
466.61875	do	1, 2, 26, 46
466.625	do	1, 2, 26
466.63125	do	1, 2, 26, 46
466.63750	do	1, 2, 24, 26
466.64375	do	1, 2, 26, 46
466.650	do	1, 2, 26
466.65625	do	1, 2, 26, 46
466.66250	do	1, 2, 24, 26
466.66875	do	1, 2, 26, 46
466.675	do	1, 2, 26
466.68125	do	1, 2, 26, 46
466.68750	do	1, 2, 24, 26
466.69375	do	1, 2, 26, 46
466.700	do	1, 2, 26
466.70625	do	1, 2, 26, 46
466.71250	do	1, 2, 24, 26
466.71875	do	1, 2, 26, 46
466.725	do	1, 2, 26
466.73125	do	1, 2, 26, 46
466.73750	do	1, 2, 24, 26
466.74375	do	1, 2, 26, 46
466.750	do	1, 2, 26
466.75625	do	1, 2, 26, 46
466.76250	do	1, 2, 24, 26
466.76875	do	1, 2, 26, 46
466.775	do	1, 2, 26
466.78125	do	1, 2, 26, 46
466.78750	do	1, 2, 24, 26
466.79375	do	1, 2, 26, 46
466.800	do	1, 2, 26
466.80625	do	1, 2, 26, 46
466.81250	do	1, 2, 24, 26
466.81875	do	1, 2, 26, 46
466.825	do	1, 2, 26
466.83125	do	1, 2, 26, 46
466.83750	do	1, 2, 24, 26
466.84375	do	1, 2, 26, 46
466.850	do	1, 2, 26
466.85625	do	1, 2, 26, 46
466.86250	do	1, 2, 24, 26
466.86875	do	1, 2, 26, 46
466.875	do	1, 2, 26

BUSINESS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
466.88125	do	1, 2, 26, 46
466.88750	do	1, 2, 24, 26
466.89375	do	1, 2, 26, 46
466.900	do	1, 2, 26
466.90625	do	1, 2, 26, 46
466.91250	do	1, 2, 24, 26
466.91875	do	1, 2, 26, 46
466.925	do	1, 2, 26
466.93125	do	1, 2, 26, 46
466.93750	do	1, 2, 24, 26
466.94375	do	1, 2, 26, 46
466.950	do	1, 2, 26
466.95625	do	1, 2, 26, 46
466.96250	do	1, 2, 24, 26
466.96875	do	1, 2, 26, 46
466.975	do	1, 2, 26
466.98125	do	1, 2, 26, 46
466.98750	do	1, 2, 24, 26
466.99375	do	1, 2, 26, 46
467.000	do	1, 2, 26
467.00625	do	1, 2, 26, 46
467.01250	do	1, 2, 24, 26
467.01875	do	1, 2, 26, 46
467.025	do	1, 2, 26
467.03125	do	1, 2, 26, 46
467.03750	do	1, 2, 24, 26
467.04375	do	1, 2, 26, 46
467.050	do	1, 2, 26
467.05625	do	1, 2, 26, 46
467.06250	do	1, 2, 24, 26
467.06875	do	1, 2, 26, 46
467.075	do	1, 2, 26
467.08125	do	1, 2, 26, 46
467.08750	do	1, 2, 24, 26
467.09375	do	1, 2, 26, 46
467.100	do	1, 2, 26
467.10625	do	1, 2, 26, 46
467.11250	do	1, 2, 24, 26
467.11875	do	1, 2, 26, 46
467.125	do	1, 2, 26
467.13125	do	1, 2, 26, 46
467.13750	do	1, 2, 24, 26
467.14375	do	1, 2, 26, 46
467.150	do	1, 2, 26
467.15625	do	1, 2, 26, 46
467.16250	do	1, 2, 24, 26
467.16875	do	1, 2, 26, 46
467.175	do	1, 2, 26
467.18125	do	1, 2, 26, 46
467.18750	do	1, 2, 24, 26
467.19375	do	1, 2, 26, 46
467.74375	do	1, 2, 26, 46
467.750	do	4, 13, 22, 23
467.75625	do	4, 13, 22, 23, 46
467.76250	do	4, 13, 22, 23, 24
467.76875	do	4, 13, 22, 23, 46
467.775	do	4, 13, 22, 23
467.78125	do	4, 13, 22, 23, 46
467.78750	do	4, 13, 22, 23, 24
467.79375	do	4, 13, 22, 23, 46
467.800	do	4, 13, 22, 23
467.80625	do	4, 13, 22, 23, 46
467.81250	do	4, 13, 22, 23, 24
467.81875	do	4, 13, 22, 23, 46
467.825	do	4, 13, 22, 23
467.83125	do	4, 13, 22, 23, 46
467.8375	do	4, 13, 22, 23, 46
467.850	do	4, 13, 22
467.8625	do	50
467.875	do	4, 13, 22
467.8875	do	50
467.900	do	4, 13, 22

BUSINESS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
467.9125	do	50
467.925	do	4, 13, 22
467.93125	do	1, 2, 46
467.94375	do	1, 2, 46
468.200	do	1, 2, 26
468.20625	do	1, 2, 26, 46
468.21250	do	1, 2, 24, 26
468.21875	do	1, 2, 26, 46
468.225	do	1, 2, 26
468.23125	do	1, 2, 26, 46
468.23750	do	1, 2, 24, 26
468.24375	do	1, 2, 26, 46
468.250	do	1, 2, 26
468.25625	do	1, 2, 26, 46
468.26250	do	1, 2, 24, 26
468.26875	do	1, 2, 26, 46
468.275	do	1, 2, 26
468.28125	do	1, 2, 26, 46
468.28750	do	1, 2, 24, 26
468.29375	do	1, 2, 26, 46
468.300	do	1, 2, 26
468.30625	do	1, 2, 26, 46
468.31250	do	1, 2, 24, 26
468.31875	do	1, 2, 26, 46
468.325	do	1, 2, 26
468.33125	do	1, 2, 26, 46
468.33750	do	1, 2, 24, 26
468.34375	do	1, 2, 26, 46
468.350	do	1, 2, 26
468.35625	do	1, 2, 26, 46
468.36250	do	1, 2, 24, 26
468.36875	do	1, 2, 26, 46
468.375	do	1, 2, 26
468.38125	do	1, 2, 26, 46
468.38750	do	1, 2, 24, 26
468.39375	do	1, 2, 26, 46
468.400	do	1, 2, 26
468.40625	do	1, 2, 26, 46
468.41250	do	1, 2, 24, 26
468.41875	do	1, 2, 26, 46
468.425	do	1, 2, 26
468.43125	do	1, 2, 26, 46
468.43750	do	1, 2, 24, 26
468.44375	do	1, 2, 26, 46
468.450	do	1, 2, 26
468.45625	do	1, 2, 26, 46
468.46250	do	1, 2, 24, 26
468.46875	do	1, 2, 26, 46
468.475	do	1, 2, 26
468.48125	do	1, 2, 26, 46
468.48750	do	1, 2, 24, 26
468.49375	do	1, 2, 26, 46
468.500	do	1, 2, 26
468.50625	do	1, 2, 26, 46
468.51250	do	1, 2, 24, 26
468.51875	do	1, 2, 26, 46
468.525	do	1, 2, 26
468.53125	do	1, 2, 26, 46
468.53750	do	1, 2, 24, 26
468.54375	do	1, 2, 26, 46
468.550	do	1, 2, 26
468.55625	do	1, 2, 26, 46
468.56250	do	1, 2, 24, 26
468.56875	do	1, 2, 26, 46
468.575	do	1, 2, 26
468.58125	do	1, 2, 26, 46
468.58750	do	1, 2, 24, 26
468.59375	do	1, 2, 26, 46
468.600	do	1, 2, 26
468.60625	do	1, 2, 26, 46
468.61250	do	1, 2, 24, 26
468.61875	do	1, 2, 26, 46

BUSINESS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
468.625	do	1, 2, 26
468.63125	do	1, 2, 26, 46
468.63750	do	1, 2, 24, 26
468.64375	do	1, 2, 26, 46
468.650	do	1, 2, 26
468.65625	do	1, 2, 26, 46
468.66250	do	1, 2, 24, 26
468.66875	do	1, 2, 26, 46
468.675	do	1, 2, 26
468.68125	do	1, 2, 26, 46
468.68750	do	1, 2, 24, 26
468.69375	do	1, 2, 26, 46
468.700	do	1, 2, 26
468.70625	do	1, 2, 26, 46
468.71250	do	1, 2, 24, 26
468.71875	do	1, 2, 26, 46
468.725	do	1, 2, 26
468.73125	do	1, 2, 26, 46
468.73750	do	1, 2, 24, 26
468.74375	do	1, 2, 26, 46
468.750	do	1, 2, 26
468.75625	do	1, 2, 26, 46
468.76250	do	1, 2, 24, 26
468.76875	do	1, 2, 26, 46
468.775	do	1, 2, 26
468.78125	do	1, 2, 26, 46
468.78750	do	1, 2, 24, 26
468.79375	do	1, 2, 26, 46
468.800	do	1, 2, 26
468.80625	do	1, 2, 26, 46
468.81250	do	1, 2, 24, 26
468.81875	do	1, 2, 26, 46
468.825	do	1, 2, 26
468.83125	do	1, 2, 26, 46
468.83750	do	1, 2, 24, 26
468.84375	do	1, 2, 26, 46
468.850	do	1, 2, 26
468.85625	do	1, 2, 26, 46
468.86250	do	1, 2, 24, 26
468.86875	do	1, 2, 26, 46
468.875	do	1, 2, 26
468.88125	do	1, 2, 26, 46
468.88750	do	1, 2, 24, 26
468.89375	do	1, 2, 26, 46
468.900	do	1, 2, 26
468.90625	do	1, 2, 26, 46
468.91250	do	1, 2, 24, 26
468.91875	do	1, 2, 26, 46
468.925	do	1, 2, 26
468.93125	do	1, 2, 26, 46
468.93750	do	1, 2, 24, 26
468.94375	do	1, 2, 26, 46
468.950	do	1, 2, 26
468.95625	do	1, 2, 26, 46
468.96250	do	1, 2, 24, 26
468.96875	do	1, 2, 26, 46
468.975	do	1, 2, 26
468.98125	do	1, 2, 26, 46
468.98750	do	1, 2, 24, 26
468.99375	do	1, 2, 26, 46
469.000	do	1, 2, 26
469.00625	do	1, 2, 26, 46
469.01250	do	1, 2, 24, 26
469.01875	do	1, 2, 26, 46
469.025	do	1, 2, 26
469.03125	do	1, 2, 26, 46
469.03750	do	1, 2, 24, 26
469.04375	do	1, 2, 26, 46
469.050	do	1, 2, 26
469.05625	do	1, 2, 26, 46
469.06250	do	1, 2, 24, 26
469.06875	do	1, 2, 26, 46

BUSINESS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
469.075	do	1, 2, 26
469.08125	do	1, 2, 26, 46
469.08750	do	1, 2, 24, 26
469.09375	do	1, 2, 26, 46
469.100	do	1, 2, 26
469.10625	do	1, 2, 26, 46
469.11250	do	1, 2, 24, 26
469.11875	do	1, 2, 26, 46
469.125	do	1, 2, 26
469.13125	do	1, 2, 26, 46
469.13750	do	1, 2, 24, 26
469.14375	do	1, 2, 26, 46
469.150	do	1, 2, 26
469.15625	do	1, 2, 26, 46
469.16250	do	1, 2, 24, 26
469.16875	do	1, 2, 26, 46
469.175	do	1, 2, 26
469.18125	do	1, 2, 26, 46
469.18750	do	1, 2, 24, 26
469.19375	do	1, 2, 26, 46
469.200	do	1, 2, 26
469.20625	do	1, 2, 26, 46
469.21250	do	1, 2, 24, 26
469.21875	do	1, 2, 26, 46
469.225	do	1, 2, 26
469.23125	do	1, 2, 26, 46
469.23750	do	1, 2, 24, 26
469.24375	do	1, 2, 26, 46
469.250	do	1, 2, 26
469.25625	do	1, 2, 26, 46
469.26250	do	1, 2, 24, 26
469.26875	do	1, 2, 26, 46
469.275	do	1, 2, 26
469.28125	do	1, 2, 26, 46
469.28750	do	1, 2, 24, 26
469.29375	do	1, 2, 26, 46
469.300	do	1, 2, 26
469.30625	do	1, 2, 26, 46
469.31250	do	1, 2, 24, 26
469.31875	do	1, 2, 26, 46
469.325	do	1, 2, 26
469.33125	do	1, 2, 26, 46
469.33750	do	1, 2, 24, 26
469.34375	do	1, 2, 26, 46
469.350	do	1, 2, 26
469.35625	do	1, 2, 26, 46
469.36250	do	1, 2, 24, 26
469.36875	do	1, 2, 26, 46
469.375	do	1, 2, 26
469.38125	do	1, 2, 26, 46
469.38750	do	1, 2, 24, 26
469.39375	do	1, 2, 26, 46
469.400	do	1, 2, 26
469.40625	do	1, 2, 26, 46
469.41250	do	1, 2, 24, 26
469.41875	do	1, 2, 26, 46
469.425	do	1, 2, 26
469.43125	do	1, 2, 26, 46
469.43750	do	1, 2, 24, 26
469.44375	do	1, 2, 26, 46
469.450	do	1, 2, 26
469.45625	do	1, 2, 26, 46
469.46250	do	1, 2, 24, 26
469.46875	do	1, 2, 26, 46
469.475	do	1, 2, 26
469.48125	do	1, 2, 26, 46
469.4875	do	1, 2, 26, 46
469.500	do	3, 30, 47
469.5125	do	1, 2, 26, 46
469.51875	do	1, 2, 26, 46
469.525	do	1, 2, 26
469.53125	do	1, 2, 26, 46

BUSINESS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
469.5375	do	1, 2, 26, 46
469.550	do	3, 30, 47
469.5625	do	1, 2, 26, 46
469.56875	do	1, 2, 26, 46
469.575	do	1, 2, 26
469.58125	do	1, 2, 26, 46
469.58750	do	1, 2, 24, 26
469.59375	do	1, 2, 26, 46
469.600	do	1, 26
469.60625	do	1, 26, 46
469.61250	do	1, 24, 26
469.61875	do	1, 26, 46
469.625	do	1, 26
469.63125	do	1, 26, 46
469.63750	do	1, 24, 26
469.64375	do	1, 26, 46
469.650	do	1, 26
469.65625	do	1, 26, 46
469.66250	do	1, 24, 26
469.66875	do	1, 26, 46
469.675	do	1, 2, 26
469.68125	do	1, 2, 26, 46
469.68750	do	1, 2, 24, 26
469.69375	do	1, 2, 26, 46
469.700	do	1, 26
469.70625	do	1, 26, 46
469.71250	do	1, 24, 26
469.71875	do	1, 26, 46
469.725	do	1, 26
469.73125	do	1, 26, 46
469.73750	do	1, 24, 26
469.74375	do	1, 26, 46
469.750	do	1, 26
469.75625	do	1, 26, 46
469.76250	do	1, 24, 26
469.76875	do	1, 26, 46
469.775	do	1, 2, 26
469.78125	do	1, 2, 26, 46
469.78750	do	1, 2, 24, 26
469.79375	do	1, 2, 26, 46
469.800	do	1, 2, 26
469.80625	do	1, 2, 26, 46
469.81250	do	1, 2, 24, 26
469.81875	do	1, 2, 26, 46
469.825	do	1, 2, 26
469.83125	do	1, 2, 26, 46
469.83750	do	1, 2, 24, 26
469.84375	do	1, 2, 26, 46
469.8625	do	50
469.875	do	1, 2, 26
469.88125	do	1, 2, 26, 46
469.88750	do	1, 2, 24, 26
469.89375	do	1, 2, 26, 46
469.900	do	1, 2, 26
469.90625	do	1, 2, 26, 46
469.91250	do	1, 2, 24, 26
469.91875	do	1, 2, 26, 46
469.925	do	1, 2, 26
469.93125	do	1, 2, 26, 46
469.93750	do	1, 2, 24, 26
469.94375	do	1, 2, 26, 46
469.950	do	1, 2, 26
469.95625	do	1, 2, 26, 46
469.96250	do	1, 2, 24, 26
469.96875	do	1, 2, 26, 46
469.975	do	1, 2, 26
469.98125	do	1, 2, 26, 46
470 to 512	Base or Mobile	32
806 to 821	Mobile	33
851 to 866	Base or Mobile	33
896 to 901	Mobile	33
928 and above	Operational fixed	34

BUSINESS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
929–930	Base only	42
935 to 940	Base or Mobile	33
1427 to 1435	Operational fixed, base or mobile	21
2450 to 2500	Base or Mobile	43
10,550 to 10,680*	Base or Mobile	

*The frequencies in the band 10.55–10.68 GHz are available for Digital Termination Systems and for associated internodal links in the Point-to-Point Microwave Radio Service. No new licenses will be issued under this Subpart but current licenses will be renewed.

(c) * * *

(23) * * *

Mobile relay (MHz)	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	.....

(24) This frequency is not available in the 150–170 MHz band until August 18, 1996. 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.

* * * * *

(38) [Reserved]

* * * * *

(46) This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(47) This frequency will be assigned with an authorized bandwidth not to exceed 11.25 kHz.

(48) Assignment of frequencies in this band are subject to the provisions of § 90.173.

(49) This frequency will be authorized a channel bandwidth of 25 kHz.

(50) This frequency is available for systems first licensed prior to August 18, 1995. No new systems will be authorized after August 18, 1995, but prior authorized systems may be modified, expanded, and renewed.

(51) 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 8 m (25 ft).

(d) * * *

(4) 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.

* * * * *

(e) * * *

(4) 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.

* * * * *

16. Section 90.79 is amended by revising the table of frequencies in paragraph (c), revising limitation (23), and adding limitations (29), (30), and (31) in paragraph (d), and revising paragraph (f)(3) to read as follows:

§ 90.79 Manufacturers Radio Service.

* * * * *

(c) * * *

MANUFACTURERS RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Megahertz:		
72–76	Operational fixed	25
72.02	Mobile	1, 2
72.04	.....do	1, 2
72.06	.....do	1, 2
72.08	.....do	1, 2, 3
72.10	.....do	1, 2
72.12	.....do	1, 2
72.14	.....do	1, 2
72.16	.....do	1, 2, 3
72.18	.....do	1, 2
72.20	.....do	1, 2
72.22	.....do	1, 2
72.24	.....do	1, 2, 3
72.26	.....do	1, 2
72.28	.....do	1, 2
72.30	.....do	1, 2
72.32	.....do	1, 2, 3
72.34	.....do	1, 2
72.36	.....do	1, 2
72.38	.....do	1, 2
72.40	.....do	1, 2, 3
72.44	.....do	2, 4

MANUFACTURERS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
72.48	do	2, 4
72.52	do	2, 4
72.56	do	2, 4
72.60	do	2, 4
74.61	do	28
74.63	do	28
74.65	do	28
74.67	do	28
74.69	do	28
74.71	do	28
74.73	do	28
74.75	do	28
74.77	do	28
74.79	do	28
75.21	do	28
75.23	do	28
75.25	do	28
75.27	do	28
75.29	do	28
75.31	do	28
75.33	do	28
75.35	do	28
75.37	do	28
75.39	do	28
75.44	do	2, 4
75.48	do	2, 4
75.52	do	2, 4
75.56	do	2, 4
75.60	do	2, 4
150 to 170	Base or mobile	30
153.050	do	5, 21, 22
153.0575	do	5, 21, 22, 23
153.065	do	5
153.0725	do	5, 23
153.080	do	5
153.0875	do	5, 23
153.095	do	5
153.1025	do	5, 23
153.110	do	5
153.1175	do	5, 23
153.125	do	5, 21, 22
153.1325	do	5, 21, 22, 23
153.140	do	5
153.1475	do	5, 23
153.155	do	5
153.1625	do	5, 23
153.170	do	5
153.1775	do	5, 23
153.185	do	5
153.1925	do	5, 23
153.200	do	5
153.2075	do	5, 23
153.215	do	5
153.2225	do	5, 23
153.230	do	5
153.2375	do	5, 23
153.245	do	5
153.2525	do	5, 23
153.260	do	5
153.2675	do	5, 23
153.275	do	5
153.2825	do	5, 23
153.290	do	5
153.2975	do	5, 23
153.305	do	5
153.3125	do	5, 23
153.320	do	5
153.3275	do	5, 23
153.335	do	5, 21
153.3425	do	5, 21, 23
153.350	do	5, 21
153.3575	do	5, 21, 23

MANUFACTURERS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
153.365	.....do	5, 21
153.3725	.....do	5, 21, 23
153.380	.....do	5, 21
153.3875	.....do	5, 21, 23
153.395	.....do	5, 21
153.4025	.....do	5, 21, 23
154.45625	Fixed or mobile	6, 9, 10, 19
154.46375	.....do	6, 7, 9, 10, 20
154.47125	.....do	6, 7, 9, 10
154.47875	.....do	6, 9, 10, 19
158.280	Base or mobile	5
158.2875	.....do	5, 23
158.295	.....do	5
158.3025	.....do	5, 23
158.310	.....do	5
158.3175	.....do	5, 23
158.325	.....do	5, 21, 22
158.3325	.....do	5, 21, 22, 23
158.415	.....do	5, 21, 22
158.4225	.....do	5, 21, 22, 23
158.430	.....do	5
158.4375	.....do	5, 23
169–172	Mobile	26
173.20375	Fixed or mobile	6, 7, 9, 10
173.2100	.....do	7, 8, 9, 10
173.2375	.....do	6, 9, 10, 19
173.2625	.....do	6, 9, 10, 19
173.2875	.....do	6, 9, 10, 19
173.3125	.....do	6, 9, 10, 19
173.3375	.....do	6, 9, 10, 19
173.3625	.....do	6, 9, 10, 19
173.3900	.....do	7, 8, 9, 10
173.39625	.....do	6, 7, 9, 10
216–220	Base or mobile	11
220–222	Base and mobile	27
450–470	Fixed, base, or mobile	12, 30
451.1625	Mobile	31
451.175	Base or mobile	13
451.18125	.....do	13, 29
451.18750	.....do	13, 23
451.19375	.....do	13, 29
451.2125	Mobile	31
451.225	Base or mobile	13
451.23125	.....do	13, 29
451.23750	.....do	13, 23
451.24375	.....do	13, 29
451.2625	Mobile	31
451.275	Base or mobile	13
451.28125	.....do	13, 29
451.28750	.....do	13, 23
451.29375	.....do	13, 29
451.3625	Mobile	31
451.375	Base or mobile	13
451.38125	.....do	13, 29
451.38750	.....do	13, 23
451.39375	.....do	13, 29
451.4125	Mobile	31
451.425	Base or mobile	13
451.43125	.....do	13, 29
451.43750	.....do	13, 23
451.44375	.....do	13, 29
451.4625	Mobile	31
451.475	Base or mobile	13
451.48125	.....do	13, 29
451.48750	.....do	13, 23
451.49375	.....do	13, 29
451.5125	Mobile	31
451.525	Base or mobile	13
451.53125	.....do	13, 29
451.53750	.....do	13, 23
451.54375	.....do	13, 29
451.5625	Mobile	31

MANUFACTURERS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
451.575	Base or mobile	13
451.58125	.....do	13, 29
451.58750	.....do	13, 23
451.59375	.....do	13, 29
451.6125	Mobile	31
451.625	Base or mobile	13
451.63125	.....do	13, 29
451.63750	.....do	13, 23
451.64375	.....do	13, 29
451.6625	Mobile	31
451.675	Base or mobile	13
451.68125	.....do	13, 29
451.68750	.....do	13, 23
451.69375	.....do	13, 29
456.1625	Mobile	31
456.175	.....do	13
456.18125	.....do	13, 29
456.18750	.....do	13, 23
456.19375	.....do	13, 29
456.2125	.....do	31
456.225	.....do	13
456.23125	.....do	13, 29
456.23750	.....do	13, 23
456.24375	.....do	13, 29
456.2625	.....do	31
456.275	.....do	13
456.28125	.....do	13, 29
456.28750	.....do	13, 23
456.29375	.....do	13, 29
456.3625	.....do	31
456.375	.....do	13
456.38125	.....do	13, 29
456.38750	.....do	13, 23
456.39375	.....do	13, 29
456.4125	.....do	31
456.425	.....do	13
456.43125	.....do	13, 29
456.43750	.....do	13, 23
456.44375	.....do	13, 29
456.4625	.....do	31
456.475	.....do	13
456.48125	.....do	13, 29
456.48750	.....do	13, 23
456.49375	.....do	13, 29
456.5125	.....do	31
456.525	.....do	13
456.53125	.....do	13, 29
456.53750	.....do	13, 23
456.54375	.....do	13, 29
456.5625	.....do	31
456.575	.....do	13
456.58125	.....do	13, 29
456.58750	.....do	13, 23
456.59375	.....do	13, 29
456.6125	.....do	31
456.625	.....do	13
456.63125	.....do	13, 29
456.63750	.....do	13, 23
456.64375	.....do	13, 29
456.6625	.....do	31
456.675	.....do	13
456.68125	.....do	13, 29
456.68750	.....do	13, 23
456.69375	.....do	13, 29
462.1875	.....do	31
462.200	Base or mobile	
462.20625	.....do	29
462.21250	.....do	23
462.21875	.....do	29
462.225	.....do	
462.23125	.....do	29
462.23750	.....do	23

MANUFACTURERS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
462.24375	do	29
462.250	do	
462.25625	do	29
462.26250	do	23
462.26875	do	29
462.275	do	
462.28125	do	29
462.28750	do	23
462.29375	do	29
462.300	do	
462.30625	do	29
462.31250	do	23
462.31875	do	29
462.325	do	
462.33125	do	29
462.33750	do	23
462.34375	do	29
462.350	do	
462.35625	do	29
462.36250	do	23
462.36875	do	29
462.375	do	
462.38125	do	29
462.38750	do	23
462.39375	do	29
462.400	do	
462.40625	do	29
462.41250	do	23
462.41875	do	29
462.425	do	
462.43125	do	29
462.43750	do	23
462.44375	do	29
462.450	do	
462.45625	do	29
462.46250	do	23
462.46875	do	29
462.475	do	13
462.48125	do	13, 29
462.48750	do	13, 23
462.49375	do	13, 29
462.500	do	
462.50625	do	29
462.51250	do	23
462.51875	do	29
462.525	do	13
462.53125	do	13, 29, 29
467.1875	Mobile	31
467.200	do	
467.20625	do	29
467.21250	do	23
467.21875	do	29
467.225	do	
467.23125	do	29
467.23750	do	23
467.24375	do	29
467.250	do	
467.25625	do	29
467.26250	do	23
467.26875	do	29
467.275	do	
467.28125	do	29
467.28750	do	23
467.29375	do	29
467.300	do	
467.30625	do	29
467.31250	do	23
467.31875	do	29
467.325	do	
467.33125	do	29
467.33750	do	23
467.34375	do	29

MANUFACTURERS RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
467.350	.....do	
467.35625	.....do	29
467.36250	.....do	23
467.36875	.....do	29
467.375	.....do	
467.38125	.....do	29
467.38750	.....do	23
467.39375	.....do	29
467.400	.....do	
467.40625	.....do	29
467.41250	.....do	23
467.41875	.....do	29
467.425	.....do	
467.43125	.....do	29
467.43750	.....do	23
467.44375	.....do	29
467.450	.....do	
467.45625	.....do	29
467.46250	.....do	23
467.46875	.....do	29
467.475	.....do	13
467.48125	.....do	13, 29
467.48750	.....do	13, 23
467.49375	.....do	13, 29
467.500	.....do	
467.50625	.....do	29
467.51250	.....do	23
467.51875	.....do	29
467.525	.....do	13
467.53125	.....do	13, 29
470 to 512	Base or mobile	14
806 to 821	Mobile	15
851 to 866	Base or mobile	15
896 to 901	Mobile	15
928 and above	Operational fixed	16
929 to 930	Base only	24
935 to 940	Base or mobile	15
1427 to 1435	Operational fixed, base or mobile	1
2450 to 2500	Base or mobile	17
8400 to 8500	.....do	18
10,550 to 10,680*	.....do	

*The frequencies in the band 10.55–10.68 GHz are available for Digital Termination Systems and for associated internodal links in the Point-to-Point Microwave Radio Service. No new licenses will be issued under this Subpart but current licenses will be renewed.

(d) * * *

(23) This frequency is not available in the 150–170 MHz band until August 18, 1996. 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.

* * * * *

(29) This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(30) Assignment of frequencies in this band are subject to the provisions of § 90.173.

(31) This frequency is available for systems first licensed prior to August 18, 1995. No new systems will be authorized after August 18, 1995, but prior authorized systems may be modified, expanded, and renewed.

* * * * *

(f) * * *

(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.

17. Section 90.81 is amended by revising the table of frequencies in paragraph (c), revising limitation (11), and adding limitations (16), (17), and (18) in paragraph (d), and revising paragraph (f)(3) to read as follows:

§ 90.81 Telephone Maintenance Radio Service.

* * * * *

(c) * * *

TELEPHONE MAINTENANCE RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Kilohertz:		
2,000 to 25,000	Fixed, base or mobile	14
Megahertz:		
35.16	Base or mobile	

TELEPHONE MAINTENANCE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
43.16	Mobile	
72–76	Operational fixed	13
150 to 170	Base or mobile	17
151.985	Base or mobile	
152.9925	.....do	16
158.34	Mobile	
158.3475	.....do	11
169–172	.....do	15
216 to 220	Base or mobile	2
220–222	Base and mobile	1
450 to 470	Fixed, base, or mobile	3, 17
451.1625	Mobile	18
451.175	Base or mobile	4
451.18125	.....do	4, 16
451.18750	.....do	4, 11
451.19375	.....do	4, 16
451.2125	Mobile	18
451.225	Base or mobile	4
451.23125	.....do	4, 16
451.23750	.....do	4, 11
451.24375	.....do	4, 16
451.2625	Mobile	18
451.275	Base or mobile	4
451.28125	.....do	4, 16
451.28750	.....do	4, 11
451.29375	.....do	4, 16
451.300	.....do.	
451.30625	.....do	16
451.31250	.....do	11
451.31875	.....do	16
451.325	.....do.	
451.33125	.....do	16
451.33750	.....do	11
451.34375	.....do	16
451.350	.....do.	
451.35625	.....do	16
451.36250	.....do	11
451.36875	.....do	16
451.375	.....do	4
451.38125	.....do	4, 16
451.38750	.....do	4, 11
451.39375	.....do	4, 16
451.400	.....do.	
451.40625	.....do	16
451.41250	.....do	11
451.41875	.....do	16
451.425	.....do	4
451.43125	.....do	4, 16
451.43750	.....do	4, 11
451.44375	.....do	4, 16
451.450	.....do.	
451.45625	.....do	16
451.46250	.....do	11
451.46875	.....do	16
451.475	.....do	4
451.48125	.....do	4, 16
451.48750	.....do	4, 11
451.49375	.....do	4, 16
451.500	.....do.	
451.50625	.....do	16
451.51250	.....do	11
451.51875	.....do	16
451.525	.....do	4
451.53125	.....do	4, 16
451.53750	.....do	4, 11
451.54375	.....do	4, 16
451.5625	Mobile	18
451.575	Base or mobile	4
451.58125	.....do	4, 16
451.58750	.....do	4, 11
451.59375	.....do	4, 16
451.6125	Mobile	18

TELEPHONE MAINTENANCE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
451.625	Base or mobile	4
451.63125	do	4, 16
451.63750	do	4, 11
451.64375	do	4, 16
451.6625	Mobile	18
451.675	Base or mobile	4
451.68125	do	4, 16
451.68750	do	4, 11
451.69375	do	4, 16
456.1625	Mobile	18
456.175	do	4
456.18125	do	4, 16
456.18750	do	4, 11
456.19375	do	4, 16
456.2125	do	18
456.225	do	4
456.23125	do	4, 16
456.23750	do	4, 11
456.24375	do	4, 16
456.2625	do	18
456.275	do	4
456.28125	do	4, 16
456.28750	do	4, 11
456.29375	do	4, 16
456.300	do	5
456.30625	do	5, 16
456.31250	do	5, 11
456.31875	do	5, 16
456.325	do	5
456.33125	do	5, 16
456.33750	do	5, 11
456.34375	do	5, 16
456.350	do	5
456.35625	do	5, 16
456.36250	do	5, 11
456.36875	do	5, 16
456.375	do	4
456.38125	do	4, 16
456.38750	do	4, 11
456.39375	do	4, 16
456.400	do	5
456.40625	do	5, 16
456.41250	do	5, 11
456.41875	do	5, 16
456.425	do	4
456.43125	do	4, 16
456.43750	do	4, 11
456.44375	do	4, 16
456.450	do	5
456.45625	do	5, 16
456.46250	do	5, 11
456.46875	do	5, 16
456.475	do	4
456.48125	do	4, 16
456.48750	do	4, 11
456.49375	do	4, 16
456.500	do	5
456.50625	do	5, 16
456.51250	do	5, 11
456.51875	do	5, 16
456.525	do	4
456.53125	do	4, 16
456.53750	do	4, 11
456.54375	do	4, 16
456.5625	do	18
456.575	do	4
456.58125	do	4, 16
456.58750	do	4, 11
456.59375	do	4, 16
456.6125	do	18
456.625	do	4
456.63125	do	4, 16

TELEPHONE MAINTENANCE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
456.63750	.....do	4, 11
456.64375	.....do	4, 16
456.6625	.....do	18
456.675	.....do	4
456.68125	.....do	4, 16
456.68750	.....do	4, 11
456.69375	.....do	4, 16
462.4625	.....do	18
462.475	Base or mobile	4
462.48125	.....do	4, 16
462.48750	.....do	4, 11
462.49375	.....do	4, 16
462.5125	Mobile	18
462.525	Base or mobile	4
462.53125	.....do	4, 16
467.4625	Mobile	18
467.475	.....do	4
467.48125	.....do	4, 16
467.48750	.....do	4, 11
467.49375	.....do	4, 16
467.5125	.....do	18
467.525	.....do	4
467.53125	.....do	4, 16
470 to 512	Base or mobile	6
806 to 821	Mobile	7
851 to 866	Base or mobile	7
896 to 901	Mobile	7
928 and above	Operational fixed	8
929–930	Base only	12
935 to 940	Base or mobile	7
1427 to 1435	Operational fixed, base or mobile	2
2450 to 2500	Base or mobile	9
8400 to 8500	.....do	10
10,550 to 10,680*	.....do	

*The frequencies in the band 10.55–10.68 GHz are available for Digital Termination Systems and for associated internodal links in the Point-to-Point Microwave Radio Service. No new licenses will be issued under this Subpart but current licenses will be renewed.

(d) * * *

(11) This frequency is not available in the 150–170 MHz band until August 18, 1996. 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.

* * * * *

(16) This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(17) Assignment of frequencies in this band are subject to the provisions of § 90.173.

(18) This frequency is available for systems first licensed prior to August 18, 1995. No new systems will be authorized after August 18, 1995, but prior authorized systems may be modified, expanded, and renewed.

* * * * *

(f) * * *

(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.

18. Section 90.89 is amended by revising the table of frequencies in paragraph (b), revising limitation (21), and adding limitations (24), (25), and (26) in paragraph (c), and revising paragraph (e)(2) to read as follows:

§ 90.89 Motor Carrier Radio Service.

* * * * *

(b) * * *

MOTOR CARRIER RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Megahertz:		
30.66	Base or mobile	1, 2
30.74	.....do	1, 2
30.82	.....do	1, 2
30.86	.....do	1, 3
30.90	.....do	1, 3
30.94	.....do	1, 3
30.98	.....do	1, 3
31.02	.....do	1, 3
31.06	.....do	1, 3
31.08	.....do	1

MOTOR CARRIER RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
31.10	do	1, 3
31.12	do	1
31.14	do	1, 3
43.70	do	4
43.72	do	4, 23
43.74	do	4, 23
43.76	do	4
43.78	do	4
43.80	do	4
43.82	do	4, 23
43.84	do	4, 23
43.86	do	5, 6
43.88	do	5, 6
43.90	do	5, 6
43.92	do	5, 6, 23
43.94	do	5, 6
43.96	do	5, 23
43.98	do	5
44.00	do	5
44.02	do	5
44.04	do	5
44.06	do	5
44.08	do	5
44.10	do	5, 19
44.12	do	5, 23
44.14	do	5
44.16	do	5, 23
44.18	do	5, 23
44.20	do	5, 20, 23
44.22	do	5
44.24	do	5
44.26	do	5
44.28	do	5
44.30	do	5
44.32	do	5, 23
44.34	do	5
44.36	do	5, 6, 23
44.38	do	5, 6
44.40	do	5, 6, 23
44.42	do	5, 6
44.44	do	5, 6
44.46	do	1, 23
44.48	do	1, 23
44.50	do	1
44.52	do	1
44.54	do	1
44.56	do	1
44.58	do	1
44.60	do	1
72.0–76.0	Operational fixed	7
150 to 170	Base or mobile	24
159.495	do	8
159.5025	do	8, 21
159.510	do	8
159.5175	do	8, 21
159.525	do	8
159.5325	do	8, 21
159.540	do	8
159.5475	do	8, 21
159.555	do	8
159.5625	do	8, 21
159.570	do	8
159.5775	do	8, 21
159.585	do	8
159.5925	do	8, 21
159.600	do	8
159.6075	do	8, 21
159.615	do	8
159.6225	do	8, 21
159.630	do	8
159.6375	do	8, 21
159.645	do	8

MOTOR CARRIER RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
159.6525	do	8, 21
159.660	do	8
159.6675	do	8, 21
159.675	do	8
159.6825	do	8, 21
159.690	do	8
159.6975	do	8, 21
159.705	do	8
159.7125	do	8, 21
159.720	do	8
159.7275	do	8, 21
159.735	do	8
159.7425	do	8, 21
159.750	do	8
159.7575	do	8, 21
159.765	do	8
159.7725	do	8, 21
159.780	do	8
159.7875	do	8, 21
159.795	do	8
159.8025	do	8, 21
159.810	do	8
159.8175	do	8, 21
159.825	do	8
159.8325	do	8, 21
159.840	do	8
159.8475	do	8, 21
159.855	do	8
159.8625	do	8, 21
159.870	do	8
159.8775	do	8, 21
159.885	do	8
159.8925	do	8, 21
159.900	do	8
159.9075	do	8, 21
159.915	do	8
159.9225	do	8, 21
159.930	do	8
159.9375	do	8, 21
159.945	do	8
159.9525	do	8, 21
159.960	do	8
159.9675	do	8, 21
159.975	do	8
159.9825	do	8, 21
159.990	do	8
159.9975	do	8, 21
160.005	do	8
160.0125	do	8, 21
160.020	do	8
160.0275	do	8, 21
160.035	do	8
160.0425	do	8, 21
160.050	do	8
160.0575	do	8, 21
160.065	do	8
160.0725	do	8, 21
160.080	do	8
160.0875	do	8, 21
160.095	do	8
160.1025	do	8, 21
160.110	do	8
160.1175	do	8, 21
160.125	do	8
160.1325	do	8, 21
160.140	do	8
160.1475	do	8, 21
160.155	do	8
160.1625	do	8, 21
160.170	do	8
160.1775	do	8, 21
160.185	do	8

MOTOR CARRIER RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
160.1925	.....do	8, 21
160.200	.....do	8
160.2075	.....do	8, 21
169–172	Mobile	17
220–222	Base and mobile	22
450–470	Fixed, base, or mobile	9, 24
452.3125	Mobile	25
452.325	Base or mobile	10
452.33125	.....do	10, 26
452.33750	.....do	10, 21
452.34375	.....do	10, 26
452.3625	Mobile	25
452.375	Base or mobile	10
452.38125	.....do	10, 26
452.38750	.....do	10, 21
452.39375	.....do	10, 26
452.4125	Mobile	25
452.425	Base or mobile	10
452.43125	.....do	10, 26
452.43750	.....do	10, 21
452.44375	.....do	10, 26
452.4625	Mobile	25
452.475	Base or mobile	10
452.48125	.....do	10, 26
452.48750	.....do	10, 21
452.49375	.....do	10, 26
452.6125	Mobile	25
452.625	Base or mobile	
452.63125	.....do	26
452.63750	.....do	21
452.64375	.....do	26
452.650	.....do	
452.65625	.....do	26
452.66250	.....do	21
452.66875	.....do	26
452.675	.....do	
452.68125	.....do	26
452.68750	.....do	21
452.69375	.....do	26
452.700	.....do	
452.70625	.....do	26
452.71250	.....do	21
452.71875	.....do	26
452.725	.....do	
452.73125	.....do	26
452.73750	.....do	21
452.74375	.....do	26
452.750	.....do	
452.75625	.....do	26
452.76250	.....do	21
452.76875	.....do	26
452.775	.....do	10
452.78125	.....do	10, 26
452.78750	.....do	10, 21
452.79375	.....do	10, 26
452.800	.....do	
452.80625	.....do	26
452.81250	.....do	21
452.81875	.....do	26
452.825	.....do	10
452.83125	.....do	10, 26
452.83750	.....do	10, 21
452.84375	.....do	10, 26
452.850	.....do	
452.85625	.....do	26
452.86250	.....do	21
452.86875	.....do	26
452.875	.....do	10
452.88125	.....do	10, 26
452.88750	.....do	10, 21
452.89375	.....do	10, 26
457.3125	Mobile	25

MOTOR CARRIER RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
457.325	do	10
457.33125	do	10, 26
457.33750	do	10, 21
457.34375	do	10, 26
457.3625	do	25
457.375	do	10
457.38125	do	10, 26
457.38750	do	10, 21
457.39375	do	10, 26
457.4125	do	25
457.425	do	10
457.43125	do	10, 26
457.43750	do	10, 21
457.44375	do	10, 26
457.4625	do	25
457.475	do	10
457.48125	do	10, 26
457.48750	do	10, 21
457.49375	do	10, 26
457.6125	do	25
457.625	do	
457.63125	do	26
457.63750	do	21
457.64375	do	26
457.650	do	
457.65625	do	26
457.66250	do	21
457.66875	do	26
457.675	do	
457.68125	do	26
457.68750	do	21
457.69375	do	26
457.700	do	
457.70625	do	26
457.71250	do	21
457.71875	do	26
457.725	do	
457.73125	do	26
457.73750	do	21
457.74375	do	26
457.750	do	
457.75625	do	26
457.76250	do	21
457.76875	do	26
457.775	do	10
457.78125	do	10, 26
457.78750	do	10, 21
457.79375	do	10, 26
457.800	do	
457.80625	do	26
457.81250	do	21
457.81875	do	26
457.825	do	10
457.83125	do	10, 26
457.83750	do	10, 21
457.84375	do	10, 26
457.850	do	
457.85625	do	26
457.86250	do	21
457.86875	do	26
457.875	do	10
457.88125	do	10, 26
457.88750	do	10, 21
457.89375	do	10, 26
470 to 512	Base or mobile	11
806 to 821	Mobile	12
851 to 866	Base or mobile	12
896 to 901	Mobile	12
928 and above	Operational fixed	13
929–930	Base only	18
935 to 940	Base or mobile	12
1427 to 1435	Operational fixed, base or mobile	14

MOTOR CARRIER RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
2450 to 2500	Base or mobile	15
8400 to 8500	.....do	16
10,550 to 10,680*	.....do	

*The frequencies in the band 10.55–10.68 GHz are available for Digital Termination Systems and for associated internodal links in the Point-to-Point Microwave Radio Service. No new licenses will be issued under this Subpart but current licenses will be renewed.

(c) * * *

(21) This frequency is not available in the 150–170 MHz band until August 18, 1996. 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.

* * * * *

(24) Licensing for frequencies in this band are subject to the provisions of § 90.173.

(25) This frequency is available for systems first licensed prior to August 18, 1995. No new systems will be authorized after August 18, 1995, but prior authorized systems may be modified, expanded, and renewed.

(26) This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

* * * * *

(e) * * *

(2) Frequencies in the 25–50, 150–170, 450–512, 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.

19. Section 90.91 is amended by revising the table of frequencies in paragraph (b), revising limitation (18), and adding limitations (22), (23), and (24) in paragraph (c), and revising paragraph (e)(2) to read as follows:

§ 90.91 Railroad Radio Service.

* * * * *

(b) * * *

RAILROAD RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Megahertz:		
72.0 to 76.0	Operational fixed	1
72.44	Mobile	2
72.48	.....do	2
72.52	.....do	2
72.56	.....do	2
72.60	.....do	2
74.61	.....do	21
74.63	.....do	21
74.65	.....do	21
74.67	.....do	21
74.69	.....do	21
74.71	.....do	21
74.73	.....do	21
74.75	.....do	21
74.77	.....do	21
74.79	.....do	21
75.21	.....do	21
75.23	.....do	21
75.25	.....do	21
75.27	.....do	21
75.29	.....do	21
75.31	.....do	21
75.33	.....do	21
75.35	.....do	21
75.37	.....do	21
75.39	.....do	21
75.44	.....do	2
75.48	.....do	2
75.52	.....do	2
75.56	.....do	2
75.60	.....do	2
150 to 170	Base or mobile	23
160.215	.....do	3, 4
160.2225	.....do	3, 4, 18
160.230	.....do	3, 4
160.2375	.....do	3, 4, 18
160.245	.....do	3, 4
160.2525	.....do	3, 4, 18
160.260	.....do	3, 4
160.2675	.....do	3, 4, 18
160.275	.....do	3, 4
160.2825	.....do	3, 4, 18

RAILROAD RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
160.290	do	3, 4
160.2975	do	3, 4, 18
160.305	do	3, 4
160.3125	do	3, 4, 18
160.320	do	3, 4
160.3275	do	3, 4, 18
160.335	do	3, 4
160.3425	do	3, 4, 18
160.350	do	3, 4
160.3575	do	3, 4, 18
160.365	do	3, 4
160.3725	do	3, 4, 18
160.380	do	3, 4
160.3875	do	3, 4, 18
160.395	do	3, 4
160.4025	do	3, 4, 18
160.410	do	3, 4, 5
160.4175	do	3, 4, 5, 18
160.425	do	3, 4, 5
160.4325	do	3, 4, 5, 18
160.440	do	3, 4, 5
160.4475	do	3, 4, 5, 18
160.455	do	3, 4, 5
160.4625	do	3, 4, 5, 18
160.470	do	3, 4, 5
160.4775	do	3, 4, 5, 18
160.485	do	3, 4, 5
160.4925	do	3, 4, 5, 18
160.500	do	3, 4, 5
160.5075	do	3, 4, 5, 18
160.515	do	3, 4, 5
160.5225	do	3, 4, 5, 18
160.530	do	3, 4, 5
160.5375	do	3, 4, 5, 18
160.545	do	3, 4, 5
160.5525	do	3, 4, 5, 18
160.560	do	3, 4, 5
160.5675	do	3, 4, 5, 18
160.575	do	3, 4, 5
160.5825	do	3, 4, 5, 18
160.590	do	3, 4, 5
160.5975	do	3, 4, 5, 18
160.605	do	3, 4, 5
160.6125	do	3, 4, 5, 18
160.620	do	3, 4
160.6275	do	3, 4, 18
160.635	do	3, 4
160.6425	do	3, 4, 18
160.650	do	3, 4
160.6575	do	3, 4, 18
160.665	do	3, 4
160.6725	do	3, 4, 18
160.680	do	3, 4
160.6875	do	3, 4, 18
160.695	do	3, 4
160.7025	do	3, 4, 18
160.710	do	3, 4
160.7175	do	3, 4, 18
160.725	do	3, 4
160.7325	do	3, 4, 18
160.740	do	3, 4
160.7475	do	3, 4, 18
160.755	do	3, 4
160.7625	do	3, 4, 18
160.770	do	3, 4
160.7775	do	3, 4, 18
160.785	do	3, 4
160.7925	do	3, 4, 18
160.800	do	3, 4
160.8075	do	3, 4, 18
160.815	do	3, 4
160.8225	do	3, 4, 18

RAILROAD RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
160.830	do	3, 4
160.8375	do	3, 4, 18
160.845	do	3, 4
160.8525	do	3, 4, 18
160.860	do	3, 4, 6
160.8675	do	3, 4, 6, 18
160.875	do	3, 4, 6
160.8825	do	3, 4, 6, 18
160.890	do	3, 4, 6
160.8975	do	3, 4, 6, 18
160.905	do	3, 4, 6
160.9125	do	3, 4, 6, 18
160.920	do	3, 4, 6
160.9275	do	3, 4, 6, 18
160.935	do	3, 4, 6
160.9425	do	3, 4, 6, 18
160.950	do	3, 4, 6
160.9575	do	3, 4, 6, 18
160.965	do	3, 4, 6
160.9725	do	3, 4, 6, 18
160.980	do	3, 4, 6
160.9875	do	3, 4, 6, 18
160.995	do	3, 4, 6
161.0025	do	3, 4, 6, 18
161.010	do	3, 4, 6
161.0175	do	3, 4, 6, 18
161.025	do	3, 4, 6
161.0325	do	3, 4, 6, 18
161.040	do	3, 4, 6
161.0475	do	3, 4, 6, 18
161.055	do	3, 4, 6
161.0625	do	3, 4, 6, 18
161.070	do	3, 4, 6
161.0775	do	3, 4, 6, 18
161.085	do	3, 4, 6
161.0925	do	3, 4, 6, 18
161.100	do	3, 4, 6
161.1075	do	3, 4, 6, 18
161.115	do	3, 4, 6
161.1225	do	3, 4, 6, 18
161.130	do	3, 4, 6
161.1375	do	3, 4, 6, 18
161.145	do	3, 4, 6
161.1525	do	3, 4, 6, 18
161.160	do	3, 4, 6
161.1675	do	3, 4, 6, 18
161.175	do	3, 4, 6
161.1825	do	3, 4, 6, 18
161.190	do	3, 4, 6
161.1975	do	3, 4, 6, 18
161.205	do	3, 4, 6
161.2125	do	3, 4, 6, 18
161.220	do	3, 4, 6
161.2275	do	3, 4, 6, 18
161.235	do	3, 4, 6
161.2425	do	3, 4, 6, 18
161.250	do	3, 4, 6
161.2575	do	3, 4, 6, 18
161.265	do	3, 4, 6
161.2725	do	3, 4, 6, 18
161.280	do	3, 4, 6
161.2875	do	3, 4, 6, 18
161.295	do	3, 4, 6
161.3025	do	3, 4, 6, 18
161.310	do	3, 4, 6
161.3175	do	3, 4, 6, 18
161.325	do	3, 4, 6
161.3325	do	3, 4, 6, 18
161.340	do	3, 4, 6
161.3475	do	3, 4, 6, 18
161.355	do	3, 4, 6
161.3625	do	3, 4, 6, 18

RAILROAD RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
161.370	.....do	3, 4, 6
161.3775	.....do	3, 4, 6, 18
161.385	.....do	3, 4, 7
161.3925	.....do	3, 4, 7, 18
161.400	.....do	3, 4, 7
161.4075	.....do	3, 4, 7, 18
161.415	.....do	3, 4, 7
161.4225	.....do	3, 4, 7, 18
161.430	.....do	3, 4, 7
161.4375	.....do	3, 4, 7, 18
161.445	.....do	3, 4, 7
161.4525	.....do	3, 4, 7, 18
161.460	.....do	3, 4, 7
161.4675	.....do	3, 4, 7, 18
161.475	.....do	3, 4, 7
161.4825	.....do	3, 4, 7, 18
161.490	.....do	3, 4, 7
161.4975	.....do	3, 4, 7, 18
161.505	.....do	3, 4, 7
161.5125	.....do	3, 4, 7, 18
161.520	.....do	3, 4, 7
161.5275	.....do	3, 4, 7, 18
161.535	.....do	3, 4, 7
161.5425	.....do	3, 4, 7, 18
161.550	.....do	3, 4, 7
161.5575	.....do	3, 4, 7, 18
161.565	.....do	3, 4, 7
169 to 172	Mobile, operational fixed	8
220–222	Base and mobile	20
406 to 413	Operational fixed	8
450 to 470	Fixed, base, or mobile	9, 23
452.3125	Mobile	24
452.325	Base or mobile	10
452.33125	.....do	10, 22
452.33750	.....do	10, 18
452.34375	.....do	10, 22
452.3625	Mobile	24
452.375	Base or mobile	10
452.38125	.....do	10, 22
452.38750	.....do	10, 18
452.39375	.....do	10, 22
452.4125	Mobile	24
452.425	Base or mobile	10
452.43125	.....do	10, 22
452.43750	.....do	10, 18
452.44375	.....do	10, 22
452.4625	Mobile	24
452.475	Base or mobile	10
452.48125	.....do	10, 22
452.48750	.....do	10, 18
452.49375	.....do	10, 22
452.7625	Mobile	24
452.775	Base or mobile	10
452.78125	.....do	10, 22
452.78750	.....do	10, 18
452.79375	.....do	10, 22
452.8125	Mobile	24
452.825	Base or mobile	10
452.83125	.....do	10, 22
452.83750	.....do	10, 18
452.84375	.....do	10, 22
452.8625	Mobile	24
452.875	Base or mobile	10
452.88125	.....do	10, 22
452.88750	.....do	10, 18
452.89375	.....do	10, 22
452.900	.....do	
452.90625	.....do	22
452.91250	.....do	18
452.91875	.....do	22
452.925	.....do	11
452.93125	.....do	11, 22

RAILROAD RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
452.93750	do	11, 18
452.94375	do	11, 22
452.950	do	11
452.95625	do	11, 22
452.96250	do	11, 18
452.96875	do	11, 22
457.3125	Mobile	24
457.325	do	10
457.33125	do	10, 22
457.33750	do	10, 18
457.34375	do	10, 22
457.3625	do	24
457.375	do	10
457.38125	do	10, 22
457.38750	do	10, 18
457.39375	do	10, 22
457.4125	do	24
457.425	do	10
457.43125	do	10, 22
457.43750	do	10, 18
457.44375	do	10, 22
457.4625	do	24
457.475	do	10
457.48125	do	10, 22
457.48750	do	10, 18
457.49375	do	10, 22
457.7625	do	24
457.775	do	10
457.78125	do	10, 22
457.78750	do	10, 18
457.79375	do	10, 22
457.8125	do	24
457.825	do	10
457.83125	do	10, 22
457.83750	do	10, 18
457.84375	do	10, 22
457.8625	do	24
457.875	do	10
457.88125	do	10, 22
457.88750	do	10, 18
457.89375	do	10, 22
457.900	do	
457.90625	do	22
457.91250	do	18
457.91875	do	22
457.925	do	11
457.93125	do	11, 22
457.93750	do	11, 18
457.94375	do	11, 22
457.950	do	11
457.95625	do	11, 22
457.96250	do	11, 18
457.96875	do	11, 22
470 to 512	Base or mobile	12
806 to 821	Mobile	13
851 to 866	Base or mobile	13
896 to 901	Mobile	13
928 and above	Operational fixed	14
929–930	Base only	19
935 to 940	Base or mobile	13
1427 to 1435	Operational fixed, base or mobile	15
2450 to 2500	Base or mobile	16
8400 to 8500	do	17
10,550 to 10,680*	do	

*The frequencies in the band 10.55–10.68 GHz are available for Digital Termination Systems and for associated internodal links in the Point-to-Point Microwave Radio Service. No new licenses will be issued under this Subpart but current licenses will be renewed.

(c) * * *

(18) This frequency is not available in the 150–170 MHz band until August 18, 1996. 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.

* * * * *

(22) This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(23) Assignment of frequencies in this band are subject to the provisions of § 90.173

(24) This frequency is available for systems first licensed prior to August 18, 1995. No new systems will be authorized after August 18, 1995, but prior authorized systems may be modified, expanded, and renewed.

* * * * *

(e) * * *

(2) 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.

20. Section 90.93 is amended by revising the table of frequencies in paragraph (b), revising limitation (15), and adding limitations (17), (18), and (19) in paragraph (c), and revising paragraph (d)(2) to read as follows:

§ 90.93 Taxicab Radio Service.

* * * * *

(b) * * *

TAXICAB RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Megahertz:		
72–76	Operational fixed	14
150 to 170	Base or mobile	18
152.2625	Base or mobile	17
152.270	do	
152.2775	do	15
152.285	do	
152.2925	do	15
152.300	do	1, 2
152.3075	do	1, 2, 15
152.315	do	1, 2
152.3225	do	1, 2, 15
152.330	do	
152.3375	do	15
152.345	do	1, 2
152.3525	do	1, 2, 15
152.360	do	1, 2
152.3675	do	1, 2, 15
152.375	do	1, 2
152.3825	do	1, 2, 15
152.390	do	
152.3975	do	15
152.405	do	1, 2
152.4125	do	1, 2, 15
152.420	do	1, 2
152.4275	do	1, 2, 15
152.435	do	
152.4425	do	15
152.450	do	
152.4575	do	15
152.465	do	11
157.530	Mobile	
157.5375	do	15
157.545	do	
157.5525	do	15
157.560	do	1, 2
157.5675	do	1, 2, 15
157.575	do	1, 2
157.5825	do	1, 2, 15
157.590	do	
157.5975	do	15
157.605	do	1, 2
157.6125	do	1, 2, 15
157.620	do	1, 2
157.6275	do	1, 2, 15
157.635	do	1, 2
157.6425	do	1, 2, 15
157.650	do	
157.6575	do	15
157.665	do	1, 2
157.6725	do	1, 2, 15
157.680	do	1, 2
157.6875	do	1, 2, 15
157.695	do	
157.7025	do	15
157.710	do	
157.7175	do	15

TAXICAB RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
157.725	.....do	11
169–172	.....do	12
220–222	Base and mobile	16
450 to 470	Fixed, base, or mobile	3, 18
452.0375	Mobile	19
452.050	Base or mobile	
452.05625	.....do	17
452.06250	.....do	15
452.06875	.....do	17
452.0875	Mobile	19
452.100	Base or mobile	10
452.10625	.....do	10, 17
452.11250	.....do	10, 15
452.11875	.....do	10, 17
452.1375	Mobile	19
452.150	Base or mobile	
452.15625	.....do	17
452.16250	.....do	15
452.16875	.....do	17
452.1875	Mobile	19
452.200	Base or mobile	10
452.20625	.....do	10, 17
452.21250	.....do	10, 15
452.21875	.....do	10, 17
452.225	.....do	10
452.23125	.....do	10, 17
452.23750	.....do	10, 15
452.24375	.....do	10, 17
452.250	.....do	10
452.25625	.....do	10, 17
452.26250	.....do	10, 15
452.26875	.....do	10, 17
452.275	.....do	10
452.28125	.....do	10, 17
452.28750	.....do	10, 15
452.29375	.....do	10, 17
452.300	.....do	
452.30625	.....do	17
452.31250	.....do	15
452.31875	.....do	17
452.3375	Mobile	19
452.350	Base or mobile	10
452.35625	.....do	10, 17
452.36250	.....do	10, 15
452.36875	.....do	10, 17
452.3875	Mobile	19
452.400	Base or mobile	10
452.40625	.....do	10, 17
452.41250	.....do	10, 15
452.41875	.....do	10, 17
452.4375	Mobile	19
452.450	Base or mobile	10
452.45625	.....do	10, 17
452.46250	.....do	10, 15
452.46875	.....do	10, 17
452.4875	Mobile	19
452.500	Base or mobile	
452.50625	.....do	17
452.51250	.....do	15
452.51875	.....do	17
457.0375	Mobile	19
457.050	.....do	
457.05625	.....do	17
457.06250	.....do	15
457.06875	.....do	17
457.0875	.....do	19
457.100	.....do	10
457.10625	.....do	10, 17
457.11250	.....do	10, 15
457.11875	.....do	10, 17
457.1375	.....do	19
457.150	.....do	

TAXICAB RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
457.15625	do	17
457.16250	do	15
457.16875	do	17
457.1875	do	19
457.200	do	10
457.20625	do	10, 17
457.21250	do	10, 15
457.21875	do	10, 17
457.225	do	10
457.23125	do	10, 17
457.23750	do	10, 15
457.24375	do	10, 17
457.250	do	10
457.25625	do	10, 17
457.26250	do	10, 15
457.26875	do	10, 17
457.275	do	10
457.28125	do	10, 17
457.28750	do	10, 15
457.29375	do	10, 17
457.300	do	
457.30625	do	17
457.31250	do	15
457.31875	do	17
457.3375	do	19
457.350	do	10
457.35625	do	10, 17
457.36250	do	10, 15
457.36875	do	10, 17
457.3875	do	19
457.400	do	10
457.40625	do	10, 17
457.41250	do	10, 15
457.41875	do	10, 17
457.4375	do	19
457.450	do	10
457.45625	do	10, 17
457.46250	do	10, 15
457.46875	do	10, 17
457.4875	do	19
457.500	do	
457.50625	do	17
457.51250	do	15
457.51875	do	17
470–512	Base or mobile	4
806 to 821	Mobile	5
851 to 866	Base or mobile	5
896 to 901	Mobile	5
928 and above	Operational fixed	6
929–930	Base only	13
935 to 940	Base or mobile	5
1427 to 1435	Base, mobile, or operational fixed	7
2450 to 2500	Base or mobile	8
8400 to 8500	do	9
10,550 to 10,680*	do	

*The frequencies in the band 10.55–10.68 GHz are available for Digital Termination Systems and for associated internodal links in the Point-to-Point Microwave Radio Service. No new licenses will be issued under this Subpart but current licenses will be renewed.

(c) * * *

(15) This frequency is not available in the 150–170 MHz band until August 18, 1996. 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.

* * * * *

(17) This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(18) Assignment of frequencies in this band are subject to the provisions of § 90.173

(19) This frequency is available for systems first licensed prior to August 18, 1995. No new systems will be authorized after August 18, 1995, but prior authorized systems may be modified, expanded, and renewed.

(d) * * *

(2) 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.

* * * * *

21. Section 90.95 is amended by revising the table of frequencies in paragraph (c), revising limitations (2), (6), and (18), and adding limitations (20), (21), (22), and (23) in paragraph (d), and revising paragraph (e)(2) to read as follows:

§ 90.95 Automobile Emergency Radio Service.

* * * * *

(c) * * *

AUTOMOBILE EMERGENCY RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Megahertz:		
72–76	Operational fixed	16
150 to 170	Base or mobile	21
150.815	.....do	1, 2, 3
150.830	.....do	1, 2, 3, 22
150.845	.....do	1, 2, 3
150.8525	.....do	1, 2, 3, 18
150.860	.....do	1, 2, 3
150.8675	.....do	1, 2, 3, 18
150.875	.....do	1, 2, 3
150.8825	.....do	1, 2, 3, 18
150.890	.....do	1, 2, 3
150.8975	.....do	1, 2, 3, 18
150.905	.....do	3, 4
150.920	.....do	3, 4, 22
150.935	.....do	3, 4
150.9425	.....do	3, 4, 18
150.950	.....do	3, 4
150.9575	.....do	3, 4, 18
150.965	.....do	3, 4
150.9725	.....do	3, 4, 18
157.470	.....do	5, 6
157.4775	.....do	5, 6, 18
157.485	.....do	5, 6
157.4925	.....do	5, 6, 18
157.500	.....do	5, 6
157.5075	.....do	5, 6, 18
157.515	.....do	5, 6
157.5225	.....do	5, 6, 18
169–172	Mobile	17
220–222	Base and mobile	19
450 to 470	Fixed, base, or mobile	7, 21
452.5125	Mobile	23
452.525	Base or mobile	8
452.53125	.....do	8, 20
452.53750	.....do	8, 18
452.54375	.....do	8, 20
452.550	.....do	8
452.55625	.....do	8, 20
452.56250	.....do	8, 18
452.56875	.....do	8, 20
452.575	.....do	8
452.58125	.....do	8, 20
452.58750	.....do	8, 18
452.59375	.....do	8, 20
452.600	.....do	8
452.60625	.....do	8, 20
452.61250	.....do	8, 18
452.61875	.....do	8, 20
470 to 512	.....do	9
806 to 821	Mobile	10
851 to 866	Base or mobile	10
896 to 901	Mobile	10
928 and above	Operational fixed	11
929–930	Base only	15
935 to 940	Base or mobile	10
1427 to 1435	Operational fixed, base, or mobile	12
2450 to 2500	Base or mobile	13
8400 to 8500	.....do	14
10,550 to 10,680*	.....do	

* The frequencies in the band 10.55–10.68 GHz are available for Digital Termination Systems and for associated internodal links in the Point-to-Point Microwave Radio Service. No new licenses will be issued under this subpart but current licenses will be renewed.

(d) * * *

(2) Only one of the frequencies 150.815, 150.8225, 150.830, 150.8375, 150.845, 150.8525, 150.860, 150.8675, 150.875, 150.8825, 150.890, or 150.8975 MHz may be assigned to the same licensee in a given area.

* * * * *

(6) Only one of the frequencies 157.470, 157.4775, 157.485, 157.4925, 157.500, 157.5075, 157.515, or 157.5225 MHz may be assigned to the same licensee in a given area.

* * * * *

(18) This frequency is not available in the 150–170 MHz band until August 18, 1996. 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.

* * * * *

(20) This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(21) Assignment of frequencies in this band are subject to the provisions of § 90.173

(22) This frequency will be authorized a channel bandwidth of 25 kHz.

(23) This frequency is available for systems first licensed prior to August 18, 1995. No new systems will be authorized after August 18, 1995, but prior authorized systems may be modified, expanded, and renewed.

(e) * * *

(2) 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.

* * * * *

22. Section 90.173 is amended by revising paragraph (f) and adding paragraphs (l) and (m) to read as follows:

§ 90.173 Policies governing the assignment of frequencies.

* * * * *

(f) After August 18, 1995, applications for stations in the 150–174 MHz and 421–512 MHz bands for operation on frequencies 15 kHz or less removed from existing stations in the same geographic area will be granted based upon a recommendation from the applicable frequency coordinator.

* * * * *

(l) In the 150–174 MHz band, authorizations for frequencies available prior to August 18, 1995 will be granted with channel bandwidths of 25 kHz or less. After August 18, 1995, authorizations for all other frequencies in this band will be granted with channel bandwidths of 12.5 kHz or less.

(m) In the 421–512 MHz band, authorizations for frequencies available prior to August 18, 1995 will be granted with channel bandwidths of 25 kHz or less. After August 18, 1995, new authorizations for frequencies 12.5 kHz removed from these frequencies will be made for channel bandwidths of 12.5 kHz or less, and authorizations for frequencies 6.25 kHz removed from these frequencies will be granted with channel bandwidths of 6.25 kHz or less.

23. Section 90.175 is amended by revising paragraph (a) to read as follows:

§ 90.175 Frequency coordination requirements.

* * * * *

(a) For frequencies between 25 and 470 MHz: A statement from the applicable frequency coordinator recommending the most appropriate frequency. The coordinator's recommendation may include comments on technical factors such as power, antenna height and gain, terrain and other factors which may serve to minimize potential interference. Until August 18, 1995, for PLMR frequencies between 150 and 470 MHz, the coordinator:

(1) must not recommend any adjacent channel frequency 15 kHz or less removed to existing stations which would result in a separation of less than 16 km (10 mi), or 12 km (7 mi) in the Taxicab Radio Service, unless written concurrence is received from the licensee of such station(s); and

(2) if the frequency recommended is in the 150–170 MHz band, and is 17.5 kHz or less removed from frequency which is available to another radio service, the coordinators statement must show that approval has been received from the coordinator for the other service. Frequencies in the 450–470 MHz band, when used for secondary fixed operations, shall be assigned and coordinated pursuant to § 90.261.

* * * * *

24. Section 90.203 is amended by adding paragraph (j) to read as follows:

§ 90.203 Type acceptance required.

* * * * *

(j) For transmitters operating on frequencies in the 150–174 MHz and 421–512 MHz bands:

(1) Prior to August 1, 1996, type acceptance will be granted for equipment with channel bandwidths up to 25 kHz.

(2) On or after August 1, 1996, type acceptance will only be granted for equipment with the following channel bandwidths:

(i) 12.5 kHz or less for single bandwidth mode equipment or multi-bandwidth mode equipment with a maximum channel bandwidth of 12.5 kHz.

(ii) 25 kHz for multi-bandwidth mode equipment with a maximum channel bandwidth of 25 kHz if it is capable of operating on channels of 12.5 kHz or less.

(iii) 25 kHz if the equipment meets the efficiency standard of paragraph (j)(3) of this section.

(3) On or after August 1, 1996, requests for Part 90 type acceptance of transmitters designed to operate on frequencies in the 150–174 MHz and 421–512 MHz bands must include a certification that the equipment meets a spectrum efficiency standard of one voice channel per 12.5 kHz of channel bandwidth. If the equipment is capable of transmitting data and has an overall bandwidth of 6.25 kHz or more, the equipment must be capable of supporting a minimum data rate of 4800 bits per second per 6.25 kHz of bandwidth.

(4) On or after January 1, 2005, except for hand-held transmitters with an output power of two watts or less, type acceptance will only be granted for equipment with the following channel bandwidths:

(i) 6.25 kHz or less for single bandwidth mode equipment.

(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.

(iii) 25 kHz for multi-bandwidth mode equipment with a maximum channel bandwidth of 25 kHz if it is capable of operating on channels of 6.25 kHz or less.

(iv) Up to 25 kHz if the equipment meets the efficiency standard of paragraph (j)(5) of this section.

(5) On or after January 1, 2005, requests for Part 90 type acceptance of transmitters designed to operate on frequencies in the 150–174 MHz and 421–512 MHz bands must include a certification that the equipment meets a spectrum efficiency standard of one voice channel per 6.25 kHz of channel bandwidth. If the equipment is capable of transmitting data and has an overall bandwidth of 6.25 kHz or more, the equipment must be capable of supporting a minimum data rate of 4800 bits per second per 6.25 kHz of bandwidth.

(6) The Commission's Equipment Authorization Division will not accept applications for modification or permissive changes of Type Acceptance grants for single bandwidth mode transmitters designed to operate on channel bandwidths wider than 12.5 kHz granted prior to August 1, 1996, except under the following conditions:

(i) Transmitters that have the inherent capability for multi-mode or narrowband operation allowed in paragraphs (j)(2) and (j)(4) of this section, may have their grant of Type Acceptance modified upon demonstrating that the original unit complies with the technical requirements for operation.

(ii) New FCC Identifiers will be needed to identify modified equipment that complies with the requirements of paragraphs (j)(2) and (j)(4) of this section.

(7) Transmitters designed for one-way paging operations will be type accepted with a 25 kHz channel bandwidth.

25. Section 90.205 is revised to read as follows:

§ 90.205 Power and antenna height limits.

Applicants for licenses must request and use no more power than the actual power necessary for satisfactory operation. Except where otherwise specifically provided for, the maximum power that will be authorized to applicants whose license applications for new stations are filed after August 18, 1995 is as follows:

(a) *Below 25 MHz*. For single sideband operations (J3E emission), the maximum transmitter peak envelope power is 1000 watts.

(b) *25–50 MHz*. The maximum transmitter output power is 300 watts.

(c) *72–76 MHz*. The maximum effective radiated power (ERP) for stations operating on fixed frequencies is 300 watts. Stations operating on mobile-only frequencies are limited to one watt transmitter output power.

(d) *150–174 MHz*. (1) The maximum allowable station ERP is dependent upon the station's antenna HAAT and required service area and will be authorized in accordance with Table 1. Applicants requesting an ERP in excess of that listed in Table 1 must submit an engineering analysis based upon generally accepted engineering practices and standards that includes coverage contours to demonstrate that the requested station parameters will not produce coverage in excess of that which the applicant requires.

(2) Applications for stations with ERPs higher than permitted in Table 1 will be submitted to the frequency coordinator accompanied by an technical analysis, based upon generally accepted engineering practices and standards, that demonstrates that the requested station parameters will not produce a signal strength in excess of 37 dBu at any point along the edge of the requested service area. The coordinator may then recommend any ERP appropriate to meet this condition.

(3) An applicant for a station with a service area radius greater than 40 km (25 mi) must justify the requested service area radius, which will be authorized only in accordance with Table 1, note 4. Base stations with a service area radius greater than 80 km (50 mi) will be authorized only on a secondary basis.

TABLE 1—150–174MHz—MAXIMUM ERP/REFERENCE HAAT FOR A SPECIFIC SERVICE AREA RADIUS

	Service area radius (km)									
	3	8	13	16	24	32	40	48 [4]	64 [4]	80 [4]
Maximum ERP (w) [1]	1	28	178	[2] 500	[2] 500	[2] 500	500	[2] 500	[2] 500	[2] 500
Up to reference HAAT (m) [3]	15	15	15	15	33	65	110	160	380	670

[1] Maximum ERP indicated provides for a 37 dBu signal strength at the edge of the service area per FCC Report R–6602, Fig. 19 (See § 73.699, Fig. 10).

[2] Maximum ERP of 500 watts allowed. Signal strength at the service area contour may be less than 37 dBu.

[3] When the actual antenna HAAT is greater than the reference HAAT, the allowable ERP will be reduced in accordance with the following equation: $ERP_{allow} = ERP_{max} \times (HAAT_{ref} / HAAT_{actual})^2$.

[4] Applications for this service area radius may be granted upon specific request with justification and must include a technical demonstration that the signal strength at the edge of the service area does not exceed 37 dBu.

(e) *220–222 MHz*. Limitations on power and antenna heights are specified in § 90.729.

(f) *421–430 MHz*. Limitations on power and antenna heights are specified in § 90.279.

(g) *450–470 MHz*.

(1) The maximum allowable station effective radiated power (ERP) is dependent upon the station's antenna HAAT and required service area and will be authorized in accordance with Table 2. Applicants requesting an ERP in excess of that listed in Table 2 must submit an engineering analysis based upon generally accepted engineering practices and standards that includes coverage contours to demonstrate that the requested station parameters will not produce coverage in excess of that which the applicant requires.

(2) Applications for stations with ERPs higher than permitted in Table 2 will be submitted to the frequency coordinator accompanied by an technical analysis, based upon generally accepted engineering practices and standards, that demonstrates that the requested station parameters will not produce a signal strength in excess of 39 dBu at any point along the edge of the requested service area. The coordinator may then recommend any ERP appropriate to meet this condition.

(3) An applicant for a station with a service area radius greater than 32 km (20 mi) must justify the requested service area radius, which may be authorized only in accordance with Table 2, note 4. Base stations with a service area radius greater than 80 km (50 mi) will be authorized only on a secondary basis.

TABLE 2.—450–470 MHz—MAXIMUM ERP/REFERENCE HAAT FOR A SPECIFIC SERVICE AREA RADIUS

	Service area radius (km)									
	3	8	13	16	24	32	40 [4]	48 [4]	64 [4]	80 [4]
Maximum ERP (w) [1]	2	100	[2] 500	[2] 500	[2] 500	[2] 500	[2] 500	[2] 500	[2] 500	[2] 500

TABLE 2.—450–470 MHZ—MAXIMUM ERP/REFERENCE HAAT FOR A SPECIFIC SERVICE AREA RADIUS—Continued

	Service area radius (km)									
	3	8	13	16	24	32	40 [4]	48 [4]	64 [4]	80 [4]
Up to reference HAAT (m) [3]	15	15	15	27	63	125	250	410	950	2700

[1] Maximum ERP indicated provides for a 39 dBu signal strength at the edge of the service area per FCC Report R–6602, Fig. 29 (See § 73.699, Fig. 10 b).
[2] Maximum ERP of 500 watts allowed. Signal strength at the service area contour may be less than 39 dBu.
[3] When the actual antenna HAAT is greater than the reference HAAT, the allowable ERP will be reduced in accordance with the following equation: $ERP_{allow} = ERP_{max} \times (HAAT_{ref} / HAAT_{actual})^2$.
[4] Applications for this service area radius may be granted upon specific request with justification and must include a technical demonstration that the signal strength at the edge of the service area does not exceed 39 dBu.

(h) *470–512 MHz.* Power and height limitations are specified in §§ 90.307 and 90.309.

(i) *806–824/851–869 MHz and 896–901/935–940 MHz.* Power and height limitations are specified in § 90.635.

(j) *902–928 MHz.* LMS systems operating pursuant to subpart M of this part in the 902–927.25 MHz band will be authorized a maximum of 30 watts ERP. LMS equipment operating in the 927.25–928 MHz band will be authorized a maximum of 300 watts ERP. ERP must be measured as peak envelope power. Antenna heights will be as specified in § 90.353(h).

(k) *929–930 MHz.* Limitations on power and antenna heights are specified in § 90.494.

(l) *2450–2483.5 MHz.* The maximum transmitter power is 5 watts.

(m) *All other frequency bands.* Requested transmitter power will be considered and authorized on a case by case basis.

26. Section 90.207 is amended by revising the introductory text, redesignating existing paragraphs (a) through (l) as (b) through (m) respectively, and adding a new paragraph (a) and (n) to read as follows:

§ 90.207 Types of emissions.

Unless specified elsewhere in this part, stations will be authorized emissions as provided for in paragraphs (b) through (n) of this section.

(a) *Explanation of emission symbols.* For a complete listing of emission symbols see § 2.201 of this chapter.

(1) The first symbol indicates the type of modulation on the transmitter carrier.

A—Amplitude modulation, double sideband with identical information on each sideband.

F—Frequency modulation.

G—Phase modulation.

J—Single sideband with suppressed carrier.

P—Unmodulated pulse.

(2) The second symbol indicates the type of signal modulating the transmitter carrier.

0—No modulation.

1—Digital modulation, no subcarrier.

2—Digital modulation, modulated subcarrier.

3—Analog modulation.

(3) The third symbol indicates the type of transmitted information.

A—Telegraphy for aural reception.

B—Telegraphy for machine reception.

C—Facsimile.

D—Data, telemetry, and telecommand.

E—Voice.

N—No transmitted information.

* * * * *

(n) *Other emissions.* Requests for emissions other than those listed in paragraphs (c) through (e) of this section will be considered on a case-by-case basis to ensure that the requested emission will not cause more interference than other currently permitted emissions.

27. Section 90.209 is revised to read as follows:

§ 90.209 Bandwidth limitations.

(a) Each authorization issued to a station licensed under this part will show an emission designator representing the class of emission authorized. The designator will be prefixed by a specified necessary bandwidth. This number does not necessarily indicate the bandwidth occupied by the emission at any instant. In those cases where § 2.202 of this chapter does not provide a formula for the computation of necessary bandwidth, the occupied bandwidth, as defined in Part 2 of this chapter, may be used in lieu of the necessary bandwidth.

(b) The maximum authorized single channel bandwidth of emission corresponding to the type of emission specified in § 90.207 is as follows:

(1) For A1A or A1B emissions, the maximum authorized bandwidth is 0.25 kHz. The maximum authorized bandwidth for type A3E emission is 8 kHz.

(2) For operations below 25 MHz utilizing J3E emission, the bandwidth occupied by the emission shall not exceed 3000 Hz. The assigned frequency will be specified in the authorization. The authorized carrier frequency will be 1400 Hz lower in frequency than the assigned frequency. Only upper sideband emission may be used. In the case of regularly available double sideband radiotelephone channels, an assigned frequency for J3E emissions is available either 1600 Hz below or 1400 Hz above the double sideband radiotelephone assigned frequency.

(3) For all other types of emissions, the maximum authorized bandwidth shall not be more than that normally authorized for voice operations.

(4) Where a frequency is assigned exclusively to a single licensee, more than a single emission may be used within the authorized bandwidth. In such cases, the frequency stability requirements of § 90.213 must be met for each emission.

(5) Unless specified elsewhere, channel spacings and bandwidths that will be authorized in the following frequency bands are given in the following Table.

STANDARD CHANNEL SPACING/BANDWIDTH

Frequency band (MHz)	Channel spacing (kHz)	Authorized bandwidth (kHz)
Below 25 [2]		
25–50	20	20
72–76	20	20
150–174	[1] 7.5	[1] [3] 20/11.25/6
220–222	5	4
421–512 [2]	[1] 6.25	[1] [3] 20/11.25/6
806–821/851–866	25	20
821–824/866–869	12.5	20
896–901/935–940	12.5	13.6
902–928 [4]		
929–930	25	20
1427–1435 [2]		
2450–2483.52 [2]		
Above 2500 [2]		

[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 25 kHz channel bandwidth will be authorized a 20 kHz bandwidth. Operations using equipment designed to operate with a 12.5 kHz channel bandwidth will be authorized a 11.25 kHz bandwidth. Operations using equipment designed to operate with a 6.25 kHz channel bandwidth will be authorized a 6 kHz bandwidth.

[4] The maximum authorized bandwidth shall be 12 MHz for non-multilateration LMS operations in the band 909.75–921.75 MHz and 2 MHz in the band 902.00–904.00 MHz. The maximum authorized bandwidth for multilateration LMS operations shall be 5.75 MHz in the 904.00–909.75 MHz band; 2 MHz in the 919.75–921.75 MHz band; 5.75 MHz in the 921.75–927.25 MHz band and its associated 927.25–927.50 MHz narrowband forward link; and 8.00 MHz if the 919.75–921.75 MHz and 921.75–927.25 MHz bands and their associated 927.25–927.50 MHz and 927.50–927.75 MHz narrowband forward links are aggregated.

28. Section 90.210 is added to read as follows:

§ 90.210 Emission masks.

Except as indicated elsewhere in this part, transmitters used in the radio services governed by this part must comply with the emission masks outlined in this section. Unless otherwise stated, per paragraphs (d)(4), (e)(4), and (l) of this section, measurements of emission power can be expressed in either peak or average values provided that emission powers are expressed with the same parameters used to specify the unmodulated transmitter carrier power. For transmitters that do not produce a full power unmodulated carrier, reference to the unmodulated transmitter carrier power refers to the total power contained in the channel bandwidth. Unless indicated elsewhere in this part, the Table in this section specifies the emission masks for equipment operating in the frequency bands governed under this part.

APPLICABLE EMISSION MASKS

Frequency band (MHz)	Mask for equipment with audio low pass filter	Mask for equipment without audio low pass filter
Below 25 [1]	A or B	A or C
25–50	B	C
72–76	B	C
150–174 [2]	B, D, or E	C, D, or E
150 Paging-only.	B	C
220–222	F	F
421–512 [2]	B, D, or E	C, D, or E
450 Paging-only.	B	G
806–821/851–866.	B	G
821–824/866–869.	B	H
896–901/935–940.	I	J
902–928	K	K
929–930	B	G
Above 940	B	C
All other bands.	B	C

[1] Equipment using single sideband J3E emission must meet the requirements of Emission Mask A. Equipment using other emissions must meet the requirements of Emission Mask B or C, as applicable.

[2] Equipment designed to operate with a 25 kHz channel bandwidth must meet the requirements of Emission Mask B or C, as applicable. Equipment designed to operate with a 12.5 kHz channel bandwidth must meet the requirements of Emission Mask D, and equipment designed to operate with a 6.25 kHz channel bandwidth must meet the requirements of Emission Mask E.

(a) *Emission Mask A.* For transmitters utilizing J3E emission, the carrier must be at least 40 dB below the peak envelope power and the power of emissions must be reduced below the output power (P in watts) of the transmitter as follows:

(1) On any frequency removed from the assigned frequency by more than 50 percent, but not more than 150 percent of the authorized bandwidth: At least 25 dB.

(2) On any frequency removed from the assigned frequency by more than 150 percent, but not more than 250 percent of the authorized bandwidth: At least 35 dB.

(3) On any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth: At least 43 + 10 log P dB.

(b) *Emission Mask B.* For transmitters that are equipped with an audio low-pass filter pursuant to § 90.211(a), the power of any emission must be below the unmodulated carrier power (P) as follows:

(1) On any frequency removed from the assigned frequency by more than 50 percent, but not more than 100 percent of the authorized bandwidth: At least 25 dB.

(2) On any frequency removed from the assigned frequency by more than 100 percent, but not more than 250 percent of the authorized bandwidth: At least 35 dB.

(3) On any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth: At least 43 + 10 log (P) dB.

(c) *Emission Mask C.* For transmitters that are not equipped with an audio low-pass filter pursuant to § 90.211(b), the power of any emission must be attenuated below the unmodulated carrier output power (P) as follows:

(1) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 5 kHz, but not more than 10 kHz: At least 83 log (f_d/5) dB;

(2) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 10 kHz, but not more than 250 percent of the authorized bandwidth: At least 29 log (f_d^2/11) dB or 50 dB, whichever is the lesser attenuation;

(3) On any frequency removed from the center of the authorized bandwidth by more than 250 percent of the authorized bandwidth: At least 43 + 10 log (P) dB.

(d) *Emission Mask D—12.5 kHz channel bandwidth equipment.* For transmitters designed to operate with a 12.5 kHz channel bandwidth, any emission must be attenuated below the power (P) of the highest emission contained within the authorized bandwidth as follows:

(1) On any frequency from the center of the authorized bandwidth f_0 to 5.625 kHz removed from f_0: Zero dB.

(2) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 5.625 kHz but no more than 12.5 kHz: At least 7.27(f_d − 2.88 kHz) dB.

(3) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 12.5 kHz: At least 50 + 10 log (P) dB or 70 dB, whichever is the lesser attenuation.

(4) The reference level for showing compliance with the emission mask shall be established using a resolution bandwidth sufficiently wide (usually two to three times the channel bandwidth) to capture the true peak emission of the equipment under test. In order to show compliance with the emissions mask up to and including 50 kHz removed from the edge of the authorized bandwidth, adjust the resolution bandwidth to 100 Hz with the measuring instrument in a peak hold mode. A sufficient number of sweeps must be measured to insure that the emission profile is developed. If video filtering is used, its bandwidth must not be less than the instrument resolution

bandwidth. For emissions beyond 50 kHz from the edge of the authorized bandwidth see paragraph (l) of this section. If it can be shown that use of the above instrumentation settings do not accurately represent the true interference potential of the equipment under test, then an alternate procedure may be used provided prior Commission approval is obtained.

(e) *Emission Mask E—6.25 kHz or less channel bandwidth equipment.* For transmitters designed to operate with a 6.25 kHz or less bandwidth, any emission must be attenuated below the power (P) of the highest emission contained within the authorized bandwidth as follows:

(1) On any frequency from the center of the authorized bandwidth f_0 to 3.0 kHz removed from f_0: Zero dB.

(2) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 3.0 kHz but no more than 4.6 kHz: At least 30 + 16.67(f_d − 3 kHz) or 55 + 10 log (P) or 65 dB, whichever is the lesser attenuation.

(3) On any frequency removed from the center of the authorized bandwidth by more than 4.6 kHz: At least 55 + 10 log (P) or 65 dB, whichever is the lesser attenuation.

(4) The reference level for showing compliance with the emission mask shall be established using a resolution bandwidth sufficiently wide (usually two to three times the channel bandwidth) to capture the true peak emission of the equipment under test. In order to show compliance with the emissions mask up to and including 50 kHz removed from the edge of the authorized bandwidth, adjust the resolution bandwidth to 100 Hz with the measuring instrument in a peak hold mode. A sufficient number of sweeps must be measured to insure that the emission profile is developed. If video filtering is used, its bandwidth must not be less than the instrument resolution bandwidth. For emissions beyond 50 kHz from the edge of the authorized bandwidth see paragraph (l) of this section. If it can be shown that use of the above instrumentation settings do not accurately represent the true interference potential of the equipment under test, then an alternate procedure may be used provided prior Commission approval is obtained.

(f) *Emission Mask F.* For transmitters operating in the 220–222 MHz frequency band, any emission must be attenuated below the power (P) of the highest emission contained within the authorized bandwidth as follows:

(1) On any frequency from the center of the authorized bandwidth f_o to the edge of the authorized bandwidth f_e: Zero dB.

(2) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 2 kHz up to and including 3.75 kHz: 30 + 20(f_d -2) dB or 55 + 10 log (P), or 65 dB, whichever is the lesser attenuation.

(3) On any frequency beyond 3.75 kHz removed from the center of the authorized bandwidth f_d: At least 55 + 10 log (P) dB.

(g) *Emission Mask G.* For transmitters that are not equipped with an audio low-pass filter pursuant to § 90.211(b), the power of any emission must be attenuated below the unmodulated carrier power (P) as follows:

(1) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 5 kHz, but no more than 10 kHz: At least 83 log (f_d/5) dB;

(2) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 10 kHz, but no more than 250 percent of the authorized bandwidth: At least 116 log (f_d/6.1) dB, or 50 + 10 log (P) dB, or 70 dB, whichever is the lesser attenuation;

(3) On any frequency removed from the center of the authorized bandwidth by more than 250 percent of the authorized bandwidth: At least 43 + 10 log (P) dB.

(h) *Emission Mask H.* For transmitters that are not equipped with an audio low-pass filter pursuant to § 90.211(b), the power of any emission must be attenuated below the unmodulated carrier power (P) as follows:

(1) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of 4 kHz or less: Zero dB.

(2) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 4 kHz, but no more than 8.5 kHz: At least 107 log (f_d/4) dB;

(3) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 8.5 kHz, but no more than 15 kHz: At least 40.5 log (f_d/1.16) dB;

(4) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 15 kHz, but no more than 25 kHz: At least 116 log (f_d/6.1) dB;

(5) On any frequency removed from the center of the authorized bandwidth by more than 25 kHz: At least 43 + log (P) dB.

(i) *Emission Mask I.* For transmitters that are equipped with an audio low pass filter pursuant to § 90.211(a), the power of any emission must be attenuated below the unmodulated carrier power of the transmitter (P) as follows:

(1) On any frequency removed from the center of the authorized bandwidth by a displacement frequency of more than 6.8 kHz, but no more than 9.0 kHz: At least 25 dB;

(2) On any frequency removed from the center of the authorized bandwidth by a displacement frequency of more than 9.0 kHz, but no more than 15 kHz: At least 35 dB;

(3) On any frequency removed from the center of the authorized bandwidth by a displacement frequency of more than 15 kHz: At least 43 + 10 log (P) dB, or 70 dB, whichever is the lesser attenuation.

(j) *Emission Mask J.* For transmitters that are not equipped with an audio low-pass filter pursuant to § 90.211(b), the power of any emission must be attenuated below the unmodulated carrier power of the transmitter (P) as follows:

(1) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 2.5 kHz, but no more than 6.25 kHz: At least 53 log (f_d/2.5) dB;

(2) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 6.25 kHz, but no more than 9.5 kHz: At least 103 log (f_d/3.9) dB;

(3) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 9.5 kHz: At least 157 log (f_d/5.3) dB, or 50 + 10 log (P) dB or 70 dB, whichever is the lesser attenuation.

(k) *Emission Mask K.* For transmitters authorized under Subpart M that operate in the 902–928 MHz band, the peak power of any emission shall be attenuated below the power of the highest emission contained within the licensee's LMS sub-band in accordance with the following schedule:

(1) On any frequency within the authorized bandwidth: Zero dB.

(2) On any frequency outside the licensee's LMS sub-band edges (as identified in paragraph (k)(5) of this section): 55 + 10 log(P) dB, where (P) is the highest emission (watts) of the transmitter inside the licensee's LMS sub-band.

(3) The resolution bandwidth of the instrumentation used to measure the emission power shall be 100 kHz. If a video filter is used, its bandwidth shall not be less than the resolution bandwidth.

(4) Emission power (P) shall be measured in peak values.

(5) The LMS sub-band edges for multilateration systems for which emissions must be attenuated are 904.00, 909.75, 919.75, 921.75, 927.50, 927.75 and 928.00 MHz. If the 919.75–921.75 and 921.75–927.25 MHz sub-bands are aggregated by a single licensee, the emission mask limitations at the band edges at 921.75 and 927.50 MHz may be ignored. The LMS sub-band edges for non-multilateration systems for which emissions must be attenuated are 902.00, 904.00, 909.75 and 921.75 MHz.

(l) *Other frequency bands.* Transmitters designed for operation under this part on frequencies other than listed in this section must meet the emission mask requirements of Emission Mask B. Equipment operating under this part on frequencies allocated to but shared with the Federal Government, must meet the applicable Federal Government technical standards.

(m) *Instrumentation.* The reference level for showing compliance with the emission mask shall be established, except as indicated in Sections 90.210 (d), (e), and (k), using standard engineering practices for the modulation characteristic used by the equipment under test. For measuring emissions up to and including 50 kHz from the edge of the authorized bandwidth, adjust the resolution bandwidth to 100 Hz with the measuring instrument in a peak hold mode. A sufficient number of sweeps must be measured to insure that the emission profile is developed. If video filtering is used, its bandwidth must not be less than the instrument resolution bandwidth. For frequencies more than 50 kHz removed from the edge of the authorized bandwidth a resolution of at least 10 kHz must be used for frequencies below 1000 MHz. Above 1000 MHz the resolution bandwidth of the instrumentation must be at least 1 MHz. If it can be shown that use of the above instrumentation settings do not accurately represent the true interference potential of the equipment under test, then an alternate procedure may be used provided prior Commission approval is obtained.

29. Section 90.211 is revised to read as follows:

§ 90.211 Modulation requirements.

Each transmitter must meet the requirements of either paragraph (a) or (b) of this section. The requirements of this paragraph do not apply to mobile stations that are authorized to operate with a maximum power output of 2 watts or less.

(a) Transmitters utilizing analog emissions that are equipped with an audio low-pass filter and must meet the emission limitations specified in § 90.210 under all possible conditions of operation.

(b) Transmitters utilizing digital or analog emissions without an audio low-pass filter must be tested for type acceptance using the digital or analog modulating signal or signals specified by the Part 2 of this chapter. The type acceptance application must contain such information as may be necessary to demonstrate that the transmitter complies with the emission limitations specified in § 90.210.

30. Section 90.213 is revised to read as follows:

§ 90.213 Frequency stability.

(a) Unless noted elsewhere, transmitters used in the services governed by this part must have a minimum frequency stability as specified in the following Table.

MINIMUM FREQUENCY STABILITY

[Parts per million (ppm)]

Frequency range (MHz)	Fixed and base stations	Mobile stations	
		Over 2 watts output power	2 watts or less output power
Below 25	[1 2 3] 100	100	200
25–50	20	20	50
72–76	5	.....	50
150–174	[5 11] 5	[6] 5	[4 6] 5
220–222	0.1	1.5	1.5
421–512	[7 11] 5	[8] 5	[8] 5
806–821	1.5	2.5	2.5
821–824	1.0	1.5	1.5
851–866	1.5	2.5	2.5
866–869	1.0	1.5	1.5
896–901	0.1	1.5	1.5
902–928	2.5	2.5	2.5
929–930	1.5	.....	.....
935–940	0.1	1.5	1.5
1427–1435	[9] 300	300	300
Above 2450 [10]	.....	.....	.....

[1] Fixed and base stations with over 200 watts transmitter power must have a frequency stability of 50 ppm except for equipment used in the Public Safety Radio Services where the frequency stability is 100 ppm.

[2] For single sideband operations below 25 MHz, the carrier frequency must be maintained within 50 Hz of the authorized carrier frequency.

[3] Travelers information station transmitters operating from 530–1700 kHz and transmitters exceeding 200 watts peak envelope power used for disaster communications and long distance circuit operations pursuant to §§ 90.242 and 90.264 must maintain the carrier frequency to within 20 Hz of the authorized frequency.

[4] Stations operating in the 154.45 to 154.49 MHz or the 173.2 to 173.4 MHz bands must have a frequency stability of 5 ppm.

[5] In the 150–174 MHz band, fixed and base stations with a 12.5 kHz channel bandwidth must have a frequency stability of 2.5 ppm. Fixed and base stations with a 6.25 kHz channel bandwidth must have a frequency stability of 1.0 ppm.

[6] In the 150–174 MHz band, mobile stations designed to operate with a 12.5 kHz channel bandwidth or designed to operate on a frequency specifically designated for itinerant use or designed for low-power operation of two watts or less, must have a frequency stability of 5 ppm. Mobile stations designed to operate with a 6.25 kHz channel bandwidth must have a frequency stability of 1.0 ppm.

[7] In the 421–512 MHz band, fixed and base stations with a 12.5 kHz channel bandwidth must have a frequency stability of 1.5 ppm. Fixed and base stations with a 6.25 kHz channel bandwidth must have a frequency stability of 0.1 ppm.

[8] In the 421–512 MHz band, mobile stations designed to operate with a 12.5 kHz channel bandwidth or designed to operate on a frequency specifically designated for itinerant use or designed for low-power operation of two watts or less, must have a frequency stability of 2.5 ppm. Mobile stations designed to operate with a 6.25 kHz channel bandwidth must have a frequency stability of 0.5 ppm.

[9] Fixed stations with output powers above 120 watts and necessary bandwidth less than 3 kHz must operate with a frequency stability of 100 ppm. Fixed stations with output powers less than 120 watts and using time-division multiplex, must operate with a frequency stability of 500 ppm.

[10] Frequency stability to be specified in the station authorization.

[11] Paging transmitters operating on paging-only frequencies must operate with frequency stability of 5 ppm in the 150–174 MHz band and 2.5 ppm in the 421–512 MHz band.

(b) For the purpose of determining the frequency stability limits, the power of a transmitter is considered to be the maximum rated output power as specified by the manufacturer.

31. Section 90.214 is added to read as follows:

§ 90.214 Transient Frequency Behavior.

In the 150–174 MHz and 421–512 MHz frequency bands, transient frequencies must be within the maximum frequency difference limits during the time intervals indicated:

TRANSIENT FREQUENCY BEHAVIOR FOR EQUIPMENT DESIGNED TO OPERATE ON 25 kHz CHANNELS

Time intervals [1, 2]	Maximum frequency difference [3] (kHz)	Frequency ranges (MHz)					
		Base stations and portable radios			Mobile radios		
		150 to 174 (ms)	450 to 500 (ms)	500 to 512 (ms)	150 to 174 (ms)	450 to 500 (ms)	500 to 512 (ms)
t_1 [4]	±25.0	5.0	10.0	20.0	5.0	10.0	5.0
t_2	±12.5	20.0	25.0	50.0	20.0	25.0	20.0
t_3 [4]	±25.0	5.0	10.0	10.0	5.0	10.0	5.0

TRANSIENT FREQUENCY BEHAVIOR FOR EQUIPMENT DESIGNED TO OPERATE ON 12.5 kHz CHANNELS

Time intervals [1, 2]	Maximum frequency difference [3] (kHz)	Frequency ranges (MHz) All equipment		
		150 to 174 (ms)	450 to 500 (ms)	500 to 512 (ms)
t_1 [4]	±12.5	5.0	10.0	20.0
t_2	±6.25	20.0	25.0	50.0
t_3 [4]	±12.5	5.0	10.0	10.0

TRANSIENT FREQUENCY BEHAVIOR FOR FQUIPMENT DESIGNED TO OPERATE ON 6.25 kHz CHANNELS

Time intervals [1, 2]	Maximum frequency difference [3] (kHz)	Frequency ranges (MHz) All equipment		
		150 to 174 (ms)	450 to 500 (ms)	500 to 512 (ms)
t_1 [4]	±6.25	5.0	10.0	20.0
t_2	±3.125	20.0	25.0	50.0
t_3 [4]	±6.25	5.0	10.0	10.0

[1] t_{on} is the instant when a 1 kHz test signal is completely suppressed, including any capture time due to phasing.
t_1 is the time period immediately following t_{on}.
t_2 is the time period immediately following t_1.
t_3 is the time period from the instant when the transmitter is turned off until t_{off}.
t_{off} is the instant when the 1 kHz test signal starts to rise.

[2] During the time from the end of t_2 to the beginning of t_3, the frequency difference must not exceed the limits specified in § 90.213.

[3] Difference between the actual transmitter frequency and the assigned transmitter frequency.

[4] If the transmitter carrier output power rating is 6 watts or less, the frequency difference during this time period may exceed the maximum frequency difference for this time period.

32. Section 90.217 is revised to read as follows:

§ 90.217 Exemption from technical standards.

Except as noted herein, transmitters used at stations licensed in the Business Radio Service which have an output power not exceeding 120 milliwatts are exempt from the technical requirements set out in this subpart, but must instead comply with the following:

(a) For equipment designed to operate with a 20 kHz channel bandwidth, the sum of the bandwidth occupied by the emitted signal plus the bandwidth required for frequency stability shall be adjusted so that any emission appearing on a frequency 40 kHz or more removed from the assigned frequency is attenuated at least 30 dB below the unmodulated carrier.

(b) For equipment designed to operate with a 12.5 kHz channel bandwidth, the sum of the bandwidth occupied by the emitted signal plus the bandwidth required for frequency stability shall be adjusted so that any emission appearing on a frequency 25 kHz or more removed from the assigned frequency is

attenuated at least 30 dB below the unmodulated carrier.

(c) For equipment designed to operate with a 6.25 kHz channel bandwidth, the sum of the bandwidth occupied by the emitted signal plus the bandwidth required for frequency stability shall be adjusted so that any emission appearing on a frequency 12.5 kHz or more removed from the assigned frequency is attenuated at least 30 dB below the unmodulated carrier.

(d) Transmitters may be operated in the continuous carrier transmit mode.

33. Section 90.238 is amended by revising paragraph (e) to read as follows:

§ 90.238 Telemetry operations.

* * * * *

(e) In the 450–470 MHz band, telemetry operations will be authorized on a secondary basis with a transmitter output power not to exceed 2 watts on frequencies subject to the limitations in the following sections:

90.17 (c)(24)
90.19 (c)(26)
90.21 (c)(16)
90.23 (c)(18)
90.25 (c)(22)
90.27 (c)(2)
90.53 (b)(30)
90.63 (d)(24)
90.65 (c)(41)
90.67 (c)(36)
90.69 (c)(12)
90.71 (c)(12)
90.73 (d)(35)
90.75 (c)(24)
90.79 (d)(23)
90.81 (d)(11)
90.89 (c)(21)
90.91 (c)(18)
90.93 (c)(15)
90.95 (d)(18)

* * * * *

34. Section 90.243 is amended by revising paragraph (b)(2) to read as follows:

§ 90.243 Mobile relay stations.

* * * * *

(b) * * *

(2) In the Business Radio Service, mobile relay stations may be authorized on frequencies below 450 MHz when those frequencies are reserved for low-power operation of 2 watts or less. Such stations will be authorized a maximum output power not to exceed one watt and the mobile relay antenna system may not be more than 13 m (40 ft) above the ground.

* * * * *

35. Section 90.257 is amended by revising the paragraph (b) introductory text to read as follows:

§ 90.257 Assignment and use of frequencies in the band 72–76 MHz.

* * * * *

(b) The following criteria governs the authorization and use of frequencies in the 72–76 MHz band by mobile stations in the Special Industrial, Manufacturers, Forest Products, Railroad, Power, Petroleum, and Business Radio Services.

* * * * *

36. Section 90.261 is amended by revising paragraph (f) to read as follows:

§ 90.261 Assignment and use of the frequencies in the band 450–470 MHz for fixed operations.

* * * * *

(f) Secondary fixed operations pursuant to paragraph (a) of this section will not be authorized on the following frequencies:

Frequencies (MHz)

451.800/456.800
451.80625/456.80625
451.8125/456.8125
451.81875/456.81875

452.525
452.53125
452.5375
452.54375
452.550
452.55625
452.5625
452.56875
452.575
452.58125
452.5875
452.59375
452.600
452.60625
452.6125
452.61875

452.925/457.925
452.93125/457.93125
452.9375/457.9375
452.94375/457.94375
452.950/457.950
452.95625/457.95625
452.9625/457.9625
452.96875/457.96875

453.025/458.025
453.03125/458.03125
453.0375/458.0375
453.04375/458.04375
453.075/458.075
453.08125/458.08125
453.0875/458.0875
453.09375/458.09375
453.125/458.125
453.13125/458.13125
453.1375/458.1375
453.14375/458.14375
453.175/458.175
453.18125/458.18125
453.1875/458.1875
453.19375/458.19375

454.000/459.000
454.00625/459.00625
454.0125/459.0125
454.01875/459.01875

462.950/467.950
462.95625/467.95625
462.9625/467.9625
462.96875/467.96875
462.975/467.975
462.98125/467.98125
462.9875/467.9875
462.99375/467.99375
463.000/468.000
463.00625/468.00625
463.0125/468.0125
463.01875/468.01875
463.025/468.025
463.03125/468.03125
463.0375/468.0375
463.04375/468.04375
463.050/468.050
463.05625/468.05625
463.0625/468.0625
463.06875/468.06875
463.075/468.075
463.08125/468.08125
463.0875/468.0875
463.09375/468.09375
463.100/468.100
463.10625/468.10625
463.1125/468.1125
463.11875/468.11875
463.125/468.125
463.13125/468.13125
463.1375/468.1375
463.14375/468.14375
463.150/468.150
463.15625/468.15625
463.1625/468.1625
463.16875/468.16875
463.175/468.175
463.18125/468.18125
463.1875/468.1875
463.19375/468.19375

37. Section 90.267 is revised to read as follows:

§ 90.267 Assignment and use of frequencies in the 450–470 MHz band for low-power use.

(a) Any regularly assignable frequency in the 450–470 MHz band listed in the tables in subparts B, C, D, and E of this part, may be designated as a low-power channel in a defined geographic area by the frequency coordinator of the service in which the frequency is available. These channels are subject to the following conditions.

(1) For channels available in more than one radio service, concurrence for low-power designation must be obtained from coordinators of all such services.

(2) For channels available in more than one radio service, the frequency coordination requirements in § 90.175 apply in all such services.

(3) Stations are limited to 2 watts output power.

(4) Wide area operations will not be authorized. The area of normal day-to-

day operations will be described in the application in terms of maximum distance from a geographical center (latitude and longitude).

(5) A hospital or health care institution holding a license to operate a radio station under this part may operate a medical radio telemetry device with an output power not to exceed 20 milliwatts without specific authorization from the Commission. All licensees operating under this authority must comply with the requirements and limitations set forth in this section.

(6) Each coordinator must maintain a list of all channels it designates for low-power use and the geographic areas where such channels are available. The coordinator must make this list available to the public upon request.

(b) Frequencies separated by 3.125 kHz from regularly assignable frequencies in the 450–470 MHz band listed in the Tables in subparts B, C, D, and E of this part, may be assigned in accordance with the following conditions:

(1) All stations will be licensed as mobiles but may serve the functions of base, fixed, or mobile relay stations. Stations are limited to 2 watts output power.

(2) The maximum authorized bandwidth for these frequencies is 6 kHz.

(3) All operations will be on a secondary basis to the primary operations (3.125 kHz removed) and shall be entitled to no protection from primary stations.

(4) The frequency coordination requirements in § 90.175 apply for all channels available under this section. For channels which are between primary channels available to more than one service of this section, the frequency coordination requirements in § 90.175 apply in all such services.

(5) Wide area operations will not be authorized. The area of normal day-to-day operations will be described in the application in terms of maximum distance from a geographical center (latitude and longitude).

(6) Applicants for stations under this section must specify base, mobile, or fixed operation, but are otherwise exempt from any limitation on the number of frequencies assignable contained elsewhere in Part 90.

(7) Antennas of mobile stations used as fixed stations communicating with one or more associated stations located within 45 degrees of azimuth shall be directional and have a front to back ratio of at least 15 dB. Except as provided in this paragraph (b)(7), the height of the antenna used at any mobile station serving as a base, fixed or mobile relay station may not exceed 7 m. (20 ft) above the ground level.

(i) No limit shall be placed on the length or height above ground level of any commercially manufactured radiating transmission line when the transmission line is terminated in a non-radiating load and is routed at least 7 m. (20 ft) interior to the edge of any structure or is routed below ground level.

(ii) Only sea-based stations, and central alarm stations operating on frequencies allocated for central station protection operations, may utilize antennas mounted not more than 7 m. (20 ft.) above a man-made supporting structure, including antenna structures.

(8) A hospital or health care institution holding a license to operate a radio station under this part may operate a medical radio telemetry device with an output power not to exceed 20 milliwatts without specific authorization from the Commission. All licensees operating under this authority must comply with the requirements and limitations set forth in this section.

(9) No assignment will be made on a frequency immediately adjacent to non-private radio service allocations.

(10) Frequencies from 462.7375 MHz to 462.9375 MHz and 464.9875 MHz to 465.0125 MHz are not available for authorization.

(11) Frequencies from 460.900 MHz to 461.01875 MHz and 465.900 MHz to 466.01875 MHz are available only for listed central station protection services and subject to § 90.75(c)(27) and (41).

§ 90.271 [Removed]

38. Section 90.271 is removed.

39. Section 90.273 is amended by revising paragraph (a) to read as follows:

§ 90.273 Availability and use of frequencies in the 421–430 MHz band.

* * * * *

(a) The following tables list frequencies available for assignment in the public safety, business or industrial/land transportation pools as indicated. In the tables, the public safety pool is denoted as ''PS'', the business pool as ''B'', and the industrial/land transportation pool as ''I/LT.'' The frequencies 422.19375 MHz through 424.99375 MHz are paired with frequencies 427.19375 MHz through 429.99375 MHz, respectively. Only the lower half of each frequency pair, available for base station operation, is listed in the tables. Corresponding mobile and control station frequencies are 5 MHz higher than the base station frequency. The frequencies 425.000 through 425.48125 are unpaired and are available for either single frequency dispatch or paging operations.

TABLE 1.—CHANNELS AVAILABLE IN DETROIT AND CLEVELAND AREAS ONLY

Frequency (MHz)	Pool in which assigned
Paired channels:	
422.19375*	I/LT
422.200	I/LT
422.20625*	I/LT
422.21250	I/LT
422.21875*	I/LT
422.225	I/LT
422.23125*	I/LT
422.23750	I/LT
422.24375*	I/LT
422.250	I/LT
422.25625*	I/LT
422.26250	I/LT
422.26875*	I/LT
422.275	I/LT
422.28125*	I/LT
422.28750	I/LT
422.29375*	I/LT
422.300	I/LT
422.30625*	I/LT
422.31250	I/LT
422.31875*	I/LT
422.325	I/LT
422.33125*	I/LT
422.33750	I/LT
422.34375*	I/LT
422.350	I/LT
422.35625*	I/LT
422.36250	I/LT
422.36875*	I/LT
422.375	I/LT
422.38125*	I/LT
422.38750	I/LT
422.39375*	I/LT
422.400	I/LT
422.40625*	I/LT
422.41250	I/LT
422.41875*	I/LT
422.425	I/LT
422.43125*	I/LT
422.43750	I/LT
422.44375*	I/LT
422.450	I/LT
422.45625*	I/LT
422.46250	I/LT
422.46875*	I/LT
422.475	I/LT
422.48125*	I/LT
422.48750	I/LT
422.49375*	I/LT
422.500	I/LT
422.50625*	I/LT
422.51250	I/LT
422.51875*	I/LT
422.525	I/LT
422.53125*	I/LT
422.53750	I/LT
422.54375*	I/LT
422.550	I/LT
422.55625*	I/LT
422.56250	I/LT
422.56875*	I/LT
422.575	I/LT
422.58125*	I/LT
422.58750	I/LT
422.59375*	I/LT
422.600	B
422.60625*	B
422.61250	B

TABLE 1.—CHANNELS AVAILABLE IN DETROIT AND CLEVELAND AREAS ONLY—Continued

Frequency (MHz)	Pool in which assigned
422.61875*	B
422.625	B
422.63125*	B
422.63750	B
422.64375*	B
422.650	B
422.65625*	B
422.66250	B
422.66875*	B
422.675	B
422.68125*	B
422.68750	B
422.69375*	B
422.700	B
422.70625*	B
422.71250	B
422.71875*	B
422.725	B
422.73125*	B
422.73750	B
422.74375*	B
422.750	B
422.75625*	B
422.76250	B
422.76875*	B
422.775	B
422.78125*	B
422.78750	B
422.79375*	B
422.800	B
422.80625*	B
422.81250	B
422.81875*	B
422.825	B
422.83125*	B
422.83750	B
422.84375*	B
422.850	B
422.85625*	B
422.86250	B
422.86875*	B
422.875	B
422.88125*	B
422.88750	B
422.89375*	B
422.900	B
422.90625*	B
422.91250	B
422.91875*	B
422.925	B
422.93125*	B
422.93750	B
422.94375*	B
422.950	B
422.95625*	B
422.96250	B
422.96875*	B
422.975	B
422.98125*	B
422.98750	B
422.99375*	B
423.000	PS
423.00625*	PS
423.01250	PS
423.01875*	PS
423.025	PS
423.03125*	PS
423.03750	PS

TABLE 1.—CHANNELS AVAILABLE IN DETROIT AND CLEVELAND AREAS ONLY—Continued

Frequency (MHz)	Pool in which assigned
423.04375*	PS
423.050	PS
423.05625*	PS
423.06250	PS
423.06875*	PS
423.075	PS
423.08125*	PS
423.08750	PS
423.09375*	PS
423.100	PS
423.10625*	PS
423.11250	PS
423.11875*	PS
423.125	PS
423.13125*	PS
423.13750	PS
423.14375*	PS
423.150	PS
423.15625*	PS
423.16250	PS
423.16875*	PS
423.175	PS
423.18125*	PS
423.18750	PS
423.19375*	PS
423.200	PS
423.20625*	PS
423.21250	PS
423.21875*	PS
423.225	PS
423.23125*	PS
423.23750	PS
423.24375*	PS
423.250	PS
423.25625*	PS
423.26250	PS
423.26875*	PS
423.275	PS
423.28125*	PS
423.28750	PS
423.29375*	PS
423.300	PS
423.30625*	PS
423.31250	PS
423.31875*	PS
423.325	PS
423.33125*	PS
423.33750	PS
423.34375*	PS
423.350	PS
423.35625*	PS
423.36250	PS
423.36875*	PS
423.375	PS
423.38125*	PS
423.38750	PS
423.39375*	PS
423.400	PS
423.40625*	PS
423.41250	PS
423.41875*	PS
423.425	PS
423.43125*	PS
423.43750	PS
423.44375*	PS
423.450	PS
423.45625*	PS
423.46250	PS

TABLE 1.—CHANNELS AVAILABLE IN DETROIT AND CLEVELAND AREAS ONLY—Continued

Frequency (MHz)	Pool in which assigned
423.46875*	PS
423.475	PS
423.48125*	PS
423.48750	PS
423.49375*	PS
423.500	PS
423.50625*	PS
423.51250	PS
423.51875*	PS
423.525	PS
423.53125*	PS
423.53750	PS
423.54375*	PS
423.550	PS
423.55625*	PS
423.56250	PS
423.56875*	PS
423.575	PS
423.58125*	PS
423.58750	PS
423.59375*	PS
423.600	PS
423.60625*	PS
423.61250	PS
423.61875*	PS
423.625	PS
423.63125*	PS
423.63750	PS
423.64375*	PS
423.650	PS
423.65625*	PS
423.66250	PS
423.66875*	PS
423.675	PS
423.68125*	PS
423.68750	PS
423.69375*	PS
423.700	PS
423.70625*	PS
423.71250	PS
423.71875*	PS
423.725	PS
423.73125*	PS
423.73750	PS
423.74375*	PS
423.750	PS
423.75625*	PS
423.76250	PS
423.76875*	PS
423.775	PS
423.78125*	PS
423.78750	PS
423.79375*	PS
423.800	PS
423.80625*	PS

*This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

TABLE 2.—CHANNELS AVAILABLE IN BUFFALO, DETROIT AND CLEVELAND AREAS

Frequency (MHz)	Pool in which assigned
Paired channels:	
423.81875*	PS
423.825	PS
423.83125*	PS
423.83750	PS
423.84375*	PS
423.850	PS
423.85625*	PS
423.86250	PS
423.86875*	PS
423.875	PS
423.88125*	PS
423.88750	PS
423.89375*	PS
423.900	PS
423.90625*	PS
423.91250	PS
423.91875*	PS
423.925	PS
423.93125*	PS
423.93750	PS
423.94375*	PS
423.950	PS
423.95625*	PS
423.96250	PS
423.96875*	PS
423.975	PS
423.98125*	PS
423.98750	PS
423.99375*	PS
424.000	PS
424.00625*	PS
424.01250	PS
424.01875*	PS
424.025	PS
424.03125*	PS
424.03750	PS
424.04375*	PS
424.050	PS
424.05625*	PS
424.06250	PS
424.06875*	PS
424.075	PS
424.08125*	PS
424.08750	PS
424.09375*	PS
424.100	PS
424.10625*	PS
424.11250	PS
424.11875*	PS
424.125	PS
424.13125*	PS
424.13750	PS
424.14375*	PS
424.150	PS
424.15625*	PS
424.16250	PS
424.16875*	PS
424.175	PS
424.18125*	PS
424.18750	PS
424.19375*	PS
424.200	PS
424.20625*	PS
424.21250	PS
424.21875*	PS
424.225	PS
424.23125*	PS

TABLE 2.—CHANNELS AVAILABLE IN BUFFALO, DETROIT AND CLEVELAND AREAS—Continued

Frequency (MHz)	Pool in which assigned
424.23750	PS
424.24375*	PS
424.250	PS
424.25625*	PS
424.26250	PS
424.26875*	PS
424.275	PS
424.28125*	PS
424.28750	PS
424.29375*	PS
424.300	PS
424.30625*	PS
424.31250	PS
424.31875*	PS
424.325	PS
424.33125*	PS
424.33750	PS
424.34375*	PS
424.350	PS
424.35625*	PS
424.36250	PS
424.36875*	PS
424.375	PS
424.38125*	PS
424.38750	PS
424.39375*	PS
424.400	I/LT
424.40625*	I/LT
424.41250	I/LT
424.41875*	I/LT
424.425	I/LT
424.43125*	I/LT
424.43750	I/LT
424.44375*	I/LT
424.450	I/LT
424.45625*	I/LT
424.46250	I/LT
424.46875*	I/LT
424.475	I/LT
424.48125*	I/LT
424.48750	I/LT
424.49375*	I/LT
424.500	I/LT
424.50625*	I/LT
424.51250	I/LT
424.51875*	I/LT
424.525	I/LT
424.53125*	I/LT
424.53750	I/LT
424.54375*	I/LT
424.550	I/LT
424.55625*	I/LT
424.56250	I/LT
424.56875*	I/LT
424.575	I/LT
424.58125*	I/LT
424.58750	I/LT
424.59375*	I/LT
424.600	I/LT
424.60625*	I/LT
424.61250	I/LT
424.61875*	I/LT
424.625	I/LT
424.63125*	I/LT
424.63750	I/LT
424.64375*	I/LT
424.650	I/LT
424.65625*	I/LT

TABLE 2.—CHANNELS AVAILABLE IN BUFFALO, DETROIT AND CLEVELAND AREAS—Continued

Frequency (MHz)	Pool in which assigned
424.66250	I/LT
424.66875*	I/LT
424.675	I/LT
424.68125*	I/LT
424.68750	I/LT
424.69375*	I/LT
424.700	B
424.70625*	B
424.71250	B
424.71875*	B
424.725	B
424.73125*	B
424.73750	B
424.74375*	B
424.750	B
424.75625*	B
424.76250	B
424.76875*	B
424.775	B
424.78125*	B
424.78750	B
424.79375*	B
424.800	B
424.80625*	B
424.81250	B
424.81875*	B
424.825	B
424.83125*	B
424.83750	B
424.84375*	B
424.850	B
424.85625*	B
424.86250	B
424.86875*	B
424.875	B
424.88125*	B
424.88750	B
424.89375*	B
424.900	B
424.90625*	B
424.91250	B
424.91875*	B
424.925	B
424.93125*	B
424.93750	B
424.94375*	B
424.950	B
424.95625*	B
424.96250	B
424.96875*	B
424.975	B
424.98125*	B
424.98750	B
424.99375*	B
Single channels:	
425.000	B
425.00625*	B
425.01250	B
425.01875*	B
425.025	B
425.03125*	B
425.03750	B
425.04375*	B
425.050	B
425.05625*	B
425.06250	B
425.06875*	B
425.075	B

TABLE 2.—CHANNELS AVAILABLE IN BUFFALO, DETROIT AND CLEVELAND AREAS—Continued

Frequency (MHz)	Pool in which assigned
425.08125*	B
425.08750	B
425.09375*	B
425.100	B
425.10625*	B
425.11250	B
425.11875*	B
425.125	I/LT
425.13125*	I/LT
425.13750	I/LT
425.14375*	I/LT
425.150	I/LT
425.15625*	I/LT
425.16250	I/LT
425.16875*	I/LT
425.175	I/LT
425.18125*	I/LT
425.18750	I/LT
425.19375*	I/LT
425.200	I/LT
425.20625*	I/LT
425.21250	I/LT
425.21875*	I/LT
425.225	I/LT
425.23125*	I/LT
425.23750	I/LT
425.24375*	I/LT
425.250	PS
425.25625*	PS
425.26250	PS
425.26875*	PS

TABLE 2.—CHANNELS AVAILABLE IN BUFFALO, DETROIT AND CLEVELAND AREAS—Continued

Frequency (MHz)	Pool in which assigned
425.275	PS
425.28125*	PS
425.28750	PS
425.29375*	PS
425.300	PS
425.30625*	PS
425.31250	PS
425.31875*	PS
425.325	PS
425.33125*	PS
425.33750	PS
425.34375*	PS
425.350	PS
425.35625*	PS
425.36250	PS
425.36875*	PS
425.375	PS
425.38125*	PS
425.38750	PS
425.39375*	PS
425.400	PS
425.40625*	PS
425.41250	PS
425.41875*	PS
425.425	PS
425.43125*	PS
425.43750	PS
425.44375*	PS
425.450	PS
425.45625*	PS
425.46250	PS

TABLE 2.—CHANNELS AVAILABLE IN BUFFALO, DETROIT AND CLEVELAND AREAS—Continued

Frequency (MHz)	Pool in which assigned
425.46875*	PS
425.475	PS
425.48125*	PS

*This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

* * * * *

40. Section 90.311 is amended by revising the introductory text and table in paragraph (a), adding paragraph (a)(3), revising the introductory text and table in paragraph (b), and revising paragraphs (b)(2) and (b)(4) to read as follows:

§ 90.311 Frequencies.

(a) Except as provided for in § 90.315, the following frequencies in the band 470–512 MHz may be assigned to eligibles in the services as indicated below. The first and last assignable frequencies are shown. Assignable frequencies occur in increments of 6.25 kHz. The separation between base and mobile transmit frequencies is 3 MHz for two frequency operations.

Urbanized area (channel assignment)	Public safety pool Fire, police, local government, highway maintenance, forestry conservation, and emergency medical radio services		Industrial pools						Petroleum, forest products, and manufacturers radio service		Land transportation pools				General access pool	
			Power and telephone maintenance radio service		Special industrial radio service		Business radio service				Railroad, motor carrier, and automobile emergency radio service		Taxicab radio service			
	Base and mobile	Mobile	Base and mobile	Mobile	Base and mobile	Mobile	Base and mobile	Mobile	Base and mobile	Mobile	Base and mobile	Mobile	Base and mobile	Mobile	Base and mobile	Mobile
Boston																
Ch. 14	470.30632 to 471.14375.	473.30625 to 474.14375.	471.30625 to 471.39375.	474.30625 to 474.39375.	471.45625 to 471.49375.	474.45625 to 474.49375.	471.80625 to 472.06875 and 472.10625 to 472.21875 and 472.25625 to 472.26875.	474.80625 to 475.06875 and 475.10625 to 475.21875 and 475.25625 to 475.26875.	None	None	472.45625 to 472.54375 and 472.58125 to 472.69375 and 472.73125 to 472.74375 and 472.78125 to 472.79375.	475.45625 to 475.54375 and 475.58125 to 475.69375 and 475.73125 to 475.74375 and 475.78125 to 475.79375.	472.35625 to 472.44375.	475.35625 to 475.44375.	470.30625 to 472.99375.	473.30625 to 475.99375.
Ch. 16	482.30625 to 483.14375.	485.30625 to 486.14375.	None	None	483.48125 to 484.34375.	486.48125 to 487.34375.	None	None	None	None	None	None	None	None	482.30625 to 484.99375.	485.30625 to 487.99375.
Chicago																
Ch. 14	470.30625 to 471.14375.	473.30625 to 474.14375.	None	None	471.43125 to 471.64375.	474.43125 to 474.64375.	471.80625 to 472.34375 and 472.63125 to 472.79375 and 472.90625 to 472.91875 and 472.95625 to 472.96875 and 472.98125 to 472.99375.	474.80625 to 475.34375 and 475.63125 to 475.79375 and 475.90625 to 475.91875 and 475.95625 to 475.96875 and 475.98125 to 475.99375.	472.80625 to 472.81875.	475.80625 to 475.81875.	472.45625 to 472.61875 and 472.93125 to 472.94375.	475.45625 to 475.61875 and 475.93125 to 475.94375.	None	None	470.30625 to 472.99375.	473.30625 to 475.99375.
Ch. 15	None	None	None	None	None	None	None	None	None	None	None	None	None	None	476.30625 to 478.99375.	479.30625 to 481.99375.
Cleveland																
Ch. 14	None	None	None	None	None	None	None	None	None	None	None	None	None	None	470.30625 to 472.99375.	473.30625 to 475.99375.
Ch. 15	None	None	None	None	None	None	None	None	None	None	None	None	None	None	476.30625 to 478.99375.	479.30625 to 481.99375.
Detroit																
Ch. 15	None	None	None	None	None	None	None	None	None	None	None	None	None	None	476.30625 to 478.99375.	479.30625 to 481.99375.
Ch. 16	None	None	None	None	None	None	None	None	None	None	None	None	None	None	482.30625 to 484.99375.	485.30625 to 487.99375.
Los Angeles																
Ch. 14	470.05625 to 471.13125.	473.05625 to 474.14375.	471.30625 to 471.31875 and 471.40625 to 471.41875.	474.30625 to 474.31875 and 474.40625 to 474.41875.	471.43125 to 471.64375.	474.43125 to 474.64375.	471.15625 to 471.29375 and 471.65625 to 472.44375.	474.15625 to 474.29375 and 474.65625 to 475.44375.	472.83725 to 472.89375.	475.83725 to 475.89375.	472.45625 to 472.79375.	475.45625 to 475.79375.	472.98125 to 472.99375.	475.98125 to 475.99375.	470.30625 to 472.99375.	473.30625 to 475.99375.
Ch. 16	482.00625 to 484.99375.	485.00625 to 487.99375.	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Ch. 20	506.30625 to 507.26875.	509.30625 to 510.26875.	507.30625 to 507.40625.	510.30625 to 510.40625.	507.43125 to 507.64375.	510.43125 to 510.64375.	507.65625 to 508.44375 and 507.28125 to 507.29375.	510.65625 to 511.44375 and 510.28125 to 510.29375.	508.80625 to 508.89375.	511.80625 to 511.89375.	508.45625 to 508.79375.	511.45625 to 511.79375.	508.90625 to 508.91875.	511.90625 to 511.91875.	506.30625 to 508.99375.	509.30625 to 511.99375.

Urbanized area (channel assignment)	Public safety pool Fire, police, local government, highway maintenance, forestry conservation, and emergency medical radio services		Industrial pools						Petroleum, forest products, and manufacturers radio service		Land transportation pools				General access pool	
			Power and telephone maintenance radio service		Special industrial radio service		Business radio service				Railroad, motor carrier, and automobile emergency radio service		Taxicab radio service			
	Base and mobile	Mobile	Base and mobile	Mobile	Base and mobile	Mobile	Base and mobile	Mobile	Base and mobile	Mobile	Base and mobile	Mobile	Base and mobile	Mobile	Base and mobile	Mobile
New York																
Ch. 14	470.30625 to 471.41875.	473.30625 to 474.41875.	472.95625 to 472.96875 and 472.98125 to 472.99375.	475.95625 to 475.96875 and 475.98125 to 475.99375.	471.43125 to 471.64375.	474.43125 to 474.64375.	471.65625 to 472.34375 and 472.75625 to 472.89375.	474.65625 to 475.34375 and 475.75625 to 475.89375.	None	None	472.45625 to 472.61875.	475.45625 to 475.61875.	472.35625 to 472.44375 and 472.63125 to 472.66875 and 472.73125 to 472.74375 and 472.68125 to 472.69375.	475.35625 to 475.44375 and 475.63125 to 475.66875 and 475.73125 to 475.74375 and 475.68125 to 475.69375.	470.30625 to 472.99375.	473.30625 to 475.99375.
Ch. 15	476.30625 to 477.40625.	479.30625 to 480.40625.	478.95625 to 478.99375.	481.95625 to 481.99375.	477.43125 to 477.64375.	480.43125 to 480.64375.	477.65625 to 478.34375 and 478.75625 to 478.89375.	480.65625 to 481.34375 and 481.75625 to 481.89375.	None	None	478.50625 to 478.69375 and 478.68125 to 478.69375.	481.50625 to 481.69375 and 481.68125 to 481.69375.	478.35625 to 478.66875.	481.35625 to 481.66875.	476.30625 to 478.99375.	479.30625 to 481.99375.
Philadelphia																
Ch. 19	500.30625 to 500.44375 and 500.55625 to 500.56875 and 500.65625 to 500.66875 and 500.68125 to 500.69375 and 500.73125 to 500.74375 and 500.78125 to 500.91875 and 500.95625 to 500.96875 and 500.98125 to 500.99375 and 501.05625 to 501.06875 and 501.10625 to 501.11875 and 501.13125 to 501.14375.	503.30625 to 503.44375 and 503.55625 to 503.56875 and 503.65625 to 503.66875 and 503.68125 to 503.69375 and 503.73125 to 503.74375 and 503.78125 to 503.91875 and 503.95625 to 503.96875 and 503.98125 to 503.99375 and 504.05625 to 504.06875 and 504.10625 to 504.11875 and 504.13125 to 504.14375.	None	None	501.43125 to 501.49375 and 501.53125 to 501.54375 and 501.60625 to 501.61875.	504.43125 to 504.49375 and 504.53125 to 504.54375 and 504.60625 to 504.61875.	501.80625 to 502.34375.	504.80625 to 505.34375.	None	None	502.45625 to 502.79375.	505.45625 to 505.79375.	None	None	500.30625 to 502.99375.	503.30625 to 505.99375.
Ch. 20	None	None	None	None	None	None	507.80625 to 508.19375 and 508.23125 to 508.34375.	510.80625 to 511.19375 and 511.23125 to 511.34375.	None	None	None	None	None	None	506.30625 to 508.99375.	509.30625 to 511.99375.
Pittsburgh																
Ch. 14	None	None	None	None	None	None	471.80625 to 471.81875.	474.80625 to 474.81875.	None	None	None	None	None	None	470.30625 to 472.99375.	473.30625 to 475.99375.
Ch. 18	None	None	None	None	None	None	None	None	None	None	None	None	None	None	494.30625 to 496.99375.	497.30625 to 499.99375.

San Francisco																
Ch. 16	482.30625 to 482.31875 and 482.33125 to 482.34375 and 482.38125 to 482.49375 and 482.53125 to 482.54375 and 482.55625 to 482.56875 and 482.60625 to 482.61875 and 482.68125 to 482.76875 and 482.80625 to 482.91875 and 482.95625 to 482.96875 and 483.00625 to 483.01875.	485.30625 to 485.31875 and 485.33125 to 485.34375 and 485.38125 to 485.49375 and 485.53125 to 485.54375 and 485.55625 to 485.56875 and 485.60625 to 485.61875 and 485.68125 to 485.76875 and 485.80625 to 485.91875 and 485.95625 to 485.96875 and 486.00625 to 486.01875.	None	None	483.43125 to 483.64375.	486.43125 to 486.64375.	483.80625 to 484.34375.	486.80625 to 487.34375.	None	None	484.45625 to 484.79375.	487.45625 to 487.79375.	None	None	482.30625 to 484.99375.	485.30625 to 487.99375.
Ch. 17	488.35625 to 488.46875 and 488.50625 to 488.51875 and 488.55625 to 488.56875 and 488.60625 to 488.69375 and 488.73125 to 488.74375 and 488.76125 to 488.77375 and 488.83125 to 488.84375 and 488.85625 to 488.86875 and 488.90625 to 488.91875 and 488.95625 to 488.96875 and 489.00625 to 489.06875 and 489.10625 to.	491.35625 to 491.46875 and 491.50625 to 491.51875 and 491.55625 to 491.56875 and 491.60625 to 491.69375 and 491.73125 to 491.74375 and 491.76125 to 491.77375 and 491.83125 to 491.84375 and 491.85625 to 491.86875 and 491.90625 to 491.91875 and 491.95625 to 491.96875 and 491.00625 to 491.06875 and 491.10625 to.	None	None	489.43125 to 489.64375.	492.43125 to 492.64375.	488.80625 to 489.33125.	491.80625 to 492.33125.	490.83125 to 490.48375 and 490.85625 to 490.86875 and 490.90625 to 490.91875 and 490.95625 to 490.96875.	493.83125 to 493.48375 and 493.85625 to 493.86875 and 493.90625 to 493.91875 and 493.95625 to 493.96875.	490.45625 to 490.56875 and 490.60625 to 490.66875 and 490.70625 to 490.71875 and 490.75625 to 490.76875.	493.45625 to 493.56875 and 493.60625 to 493.66875 and 493.70625 to 493.71875 and 493.75625 to 493.76875.	None	None	488.30625 to 490.99375.	491.30625 to 493.99375

Urbanized area (channel assignment)	Public safety pool Fire, police, local government, highway maintenance, forestry conservation, and emergency medical radio services		Industrial pools						Petroleum, forest products, and manufacturers radio service		Land transportation pools				General access pool	
			Power and telephone maintenance radio service		Special industrial radio service		Business radio service				Railroad, motor carrier, and automobile emergency radio service		Taxicab radio service			
	Base and mobile	Mobile	Base and mobile	Mobile	Base and mobile	Mobile	Base and mobile	Mobile	Base and mobile	Mobile	Base and mobile	Mobile	Base and mobile	Mobile	Base and mobile	Mobile
Washington, DC																
Ch. 17	488.30625 to 488.31875.	491.30625 to 491.91875.	None	None	None	None	None	None	None	None	None	None	None	None	488.30625 to 490.99375.	491.30625 to 493.99375.
Ch. 18	494.30625 to 495.41875.	497.30625 to 498.41875.	None	None	495.58125 to 495.64375.	498.58125 to 498.64375.	495.68125 to 496.21875.	498.68125 to 499.21875.	None	None	496.45625 to 496.61875.	499.45625 to 499.61875.	496.35625 to 496.39375.	499.35625 to 499.39375.	494.30625 to 496.99375.	497.30625 to 499.99375

* * * * *

(3) The following frequencies will be authorized a maximum bandwidth of 6 kHz.

Channel	Frequency
14	470.30625 475.99375
15	476.30625
16	481.99375 482.30625 487.99375
17	488.30625 493.99375
18	494.30625 499.99375
19	500.30625
20	505.99375 506.30625 511.99375

* * * * *

(b) Miami, FL, Dallas, TX, and Houston, TX urbanized areas.

Channel 14 (Miami)	Channel 16 (Dallas)	Channel 17 (Houston)
470.30625 to 475.99375	482.30625 to ... 487.99375	488.30625 to 493.99375

* * * * *

(2) Base station frequencies for the Petroleum, Forest Products, and Manufacturers Radio Services will be assigned serially beginning at 470.30625 MHz for Miami, 482.30625 MHz for Dallas, and 488.30625 MHz for Houston and progressing upward from those points a channel at a time.

* * * * *

(4) Base station frequencies for the Business Radio Service will be assigned serially beginning at 470.30625, 471.2625, and 472.3625 MHz for Miami, 483.6125 and 483.1375 MHz for Dallas, and 489.6625 MHz and 490.3625 MHz for Houston and progressing, a channel at a time from those points.

mobile station frequencies are 3 MHz higher than the corresponding base station frequencies. Normally, each channel shall be substantially filled before the next channel is assigned.

* * * * *

41. Section 90.315 is amended by revising paragraph (j) and removing paragraphs (l) and (m) to read as follows:

§ 90.315 Special provisions governing use of frequencies in the 476–494 MHz band (TV Channels 15, 16, 17) in the Southern Louisiana-Texas Offshore Zone.

* * * * *

(j) The following frequency bands are available for assignment in all services for use in the Zones as defined in paragraph (a) of this section.

PAIRED FREQUENCIES (MHZ)

Zone	Transmit (or receive)	Receive (or transmit)
A	490.01875–490.98125	493.01875–493.98125
B	484.01875–484.98125	487.01875–487.98125
C	478.01875–478.98125	481.01875–481.98125

Only the first and last assignable frequencies are shown. Frequencies shall be assigned in pairs with 3 MHz spacing between transmit and receive frequencies. Assignable frequency pairs will occur in increments of 6.25 kHz. The following frequencies will be assigned for a maximum authorized bandwidth of 6 kHz: 478.01875, 478.98125, 484.01875, 484.98125, 490.01875, 490.98125, 481.01875, 481.98125, 487.01875, 487.98125, 493.01875, and 493.98125.

* * * * *

42. Section 90.357 is amended by revising the second sentence of footnote 1 to the table in paragraph (a) to read as follows:

§ 90.357 Frequencies for LMS systems in the 902–928 MHz band.

(a) * * *

[1] * * * However, the maximum allowable power in these sub-bands is 30 watts ERP in accordance with § 90.205(j).

§ 90.555 [Removed]

43. Section 90.555 is removed.

44. Section 90.741 is amended by revising the table heading to read as follows:

§ 90.741 Urban areas for nationwide systems.

* * * * *

TABLE

Urban area	North latitude	West longitude
	° ′ ″	° ′ ″

* * * * *

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