

9. *Safe Harbor.* (i) The safe harbor provided in section 27A of the Securities Act and section 21E of the Exchange Act ("statutory safe harbors") shall apply to forward-looking information provided pursuant to general instruction B.7. of this form 40-F, provided that the disclosure is made by: an issuer; a person acting on behalf of the issuer; an outside reviewer retained by the issuer making a statement on behalf of the issuer; or an underwriter, with respect to information provided by the issuer or information derived from information provided by the issuer.

(ii) For purposes of paragraph (i) of this general instruction B.9. only, all information required by general instruction B.7.(i)(D) and B.7.(ii) of this form 40-F is deemed to be a "forward looking statement" as that term is defined in the statutory safe harbors, except for historical facts.

\* \* \* \* \*

Dated: November 4, 2002.

By the Commission.

Jill M. Peterson,

Assistant Secretary.

[FR Doc. 02-28431 Filed 11-7-02; 8:45 am]

BILLING CODE 8010-01-P

## ENVIRONMENTAL PROTECTION AGENCY

### 40 CFR Part 131

[FRL-7406-2]

#### Withdrawal of Federal Human Health and Aquatic Life Water Quality Criteria for Toxic Pollutants Applicable to Michigan

**AGENCY:** Environmental Protection Agency (EPA).

**ACTION:** Proposed rule.

**SUMMARY:** EPA is proposing to amend the Federal regulations to withdraw water quality criteria applicable to Michigan.

In the "Rules and Regulations" section of this **Federal Register**, EPA is promulgating a direct final rule withdrawing the Federal water quality criteria applicable to Michigan because EPA views this as a noncontroversial action and anticipates no adverse comment. EPA has explained our reasons for this action in the preamble to the direct final rule. If EPA receives no adverse comments, the Agency will not take further action on this proposed rule. If EPA receives adverse comment, the Agency will withdraw the direct final rule and it will not take effect. EPA will address all public comments in a subsequent final rule based on this proposed rule. EPA will not institute a second comment period on this action. Any parties interested in commenting must do so at this time.

**DATES:** EPA will accept public comments on its proposed withdrawal of these criteria until December 9, 2002. Comments postmarked after this date may not be considered.

**ADDRESSES:** Please send an original and three copies of comments and enclosures (including references) to W-01-15, WQCR Comment Clerk; Water Docket, U.S. EPA, 1200 Pennsylvania Ave NW, MC-4101T, Washington, DC 20460. Alternatively, comments may be submitted electronically in ASCII or Word Perfect 5.1, 5.2, 6.1, or 8.0 formats avoiding the use of special characters and any form of encryption to *OW-Docket@epa.gov*. Identify electronic comments by the docket number W-01-15. Submit hand delivered comments to W-01-15, EPA's Water Docket, U.S. EPA, EPA West, 1301 Constitution Ave NW, Room B135, Washington DC 20460. No facsimiles (faxes) will be accepted. Comments will be available at the Water Docket, 202-566-2426, Monday through Friday, excluding legal holidays, during normal business hours of 8:30 am to 4:30 p.m.

The supporting record for this rulemaking may be inspected at EPA Region 5, Office of Water, 77 West Jackson Boulevard, 16th Floor, Chicago, IL 60604-3507, Monday through Friday, excluding legal holidays, during normal business hours of 9 a.m. to 5 p.m. Please contact Dave Pfeifer, as listed in the **FOR FURTHER INFORMATION CONTACT** section, before arriving.

A copy of Michigan's water quality standards may be obtained electronically from EPA's Water Quality Standards Repository, at <http://www.epa.gov/waterscience/standards/wqslibrary/mi/mi.html>.

#### FOR FURTHER INFORMATION CONTACT:

Manjali Gupta Vlcan at EPA Headquarters, Office of Water (4305T), 1200 Pennsylvania Ave NW., Washington, DC, 20460 (tel: 202-566-0373, fax 202-566-0409) or email at [vlcan.manjali@epa.gov](mailto:vlcan.manjali@epa.gov), or Dave Pfeifer in EPA's Region 5 at 312-353-9024 or e-mail at [pfeifer.david@epa.gov](mailto:pfeifer.david@epa.gov).

**SUPPLEMENTARY INFORMATION:** This action concerns EPA's withdrawing of the Federal water quality criteria applicable to Michigan from 40 CFR 31.36 (the NTR). For further information, including the various statutes and executive orders that require findings for rulemakings, please see the information provided in the direct final rule titled "Withdrawal of Federal Human Health and Aquatic Life Water Quality Criteria for Toxic Pollutants Applicable to Michigan" located in the "Rules and Regulations"

section of this **Federal Register** Publication.

#### List of Subjects in 40 CFR Part 131

Environmental protection, Indians—land, Intergovernmental relations, Reporting and recordkeeping requirements, Water pollution control.

Dated: November 1, 2002.

Christine Todd Whitman,  
Administrator.

[FR Doc. 02-28498 Filed 11-7-02; 8:45 am]

BILLING CODE 6560-50-U

## FEDERAL COMMUNICATIONS COMMISSION

### 47 CFR Part 27 and 90

[WT Docket No. 96-86; FCC 02-272]

#### The Development of Operational, Technical and Spectrum Requirements for Meeting Federal, State and Local Public Safety Agency Communication Requirements Through the Year 2010

**AGENCY:** Federal Communications Commission.

**ACTION:** Proposed rule.

**SUMMARY:** In this document, the Federal Communications Commission (Commission) proposes various technical and operational rules and policies regarding emission limitations in the narrowband portion of the 764-776 MHz and 794-806 MHz bands. This action follows recommendations proposed by the Private Radio Section (PRS) of the Telecommunication Industry Association (TIA). These Commission actions will facilitate public safety capabilities in the 700 MHz Band.

**DATES:** Comments are due on or before December 9, 2002, and reply comments are due on or before December 23, 2002.

**ADDRESSES:** Federal Communications Commission 445 12th Street, SW., TW-A325, Washington, DC 20554. See **SUPPLEMENTARY INFORMATION** for filing instructions.

#### FOR FURTHER INFORMATION CONTACT:

Roberto Mussenden, Esq., [rmussend@fcc.gov](mailto:rmussend@fcc.gov), Policy and Rules Branch, Public Safety and Private Wireless Division, Wireless Telecommunications Bureau, at (202) 418-0680, or TTY (202) 418-7233.

**SUPPLEMENTARY INFORMATION:** This is a summary of the Commission's *Sixth Notice of Proposed Rulemaking*, FCC

02-272, adopted on September 27, 2002, and released on October 4, 2002. The full text of this document is available for inspection and copying during normal business hours in the FCC Reference Center, 445 12th Street, SW., Washington, DC 20554. The complete text may be purchased from the Commission's copy contractor, Qualex International, 445 12th Street, SW., Room CY-B402, Washington, DC 20554. The full text may also be downloaded at: [www.fcc.gov](http://www.fcc.gov). Alternative formats are available to persons with disabilities by contacting Brian Millin at (202) 418-7426 or TTY (202) 418-7365 or at [bmillin@fcc.gov](mailto:bmillin@fcc.gov).

1. In this Sixth Notice of Proposed Rule Making (Sixth NPRM), the Commission requests comment on its tentative conclusion that adopting revisions to section 90.543 of the Commission's Rules as proposed herein would serve the public interest. These proposed rule changes would align the Commission's rules with industry standards documents and revise the values for Adjacent Channel Coupled Power ("ACCP") emission limits for public safety transmitters operating in the 764-776 and 794-806 MHz frequency bands ("700 MHz band"). The proposed values reflect an industry consensus in response to the Commission's request in the Second Memorandum Opinion and Order in this proceeding.

## I. Procedural Matters

### A. Ex Parte Rules—Permit-But-Disclose Proceeding

2. This is a permit-but-disclose notice and comment rule making proceeding. *Ex parte* presentations are permitted, except during the Sunshine Agenda period, provided they are disclosed as provided in the Commission's Rules.

### B. Paperwork Reduction Act

3. This Sixth NPRM does not contain either a proposed or modified information collection.

### C. Regulatory Flexibility Act

4. Initial Regulatory Flexibility Certification. The Commission has prepared an Initial Regulatory Flexibility Certification concerning the impact on small entities of the policies and rules proposed by this Sixth NPRM. The Initial Regulatory Flexibility Certification is set forth below.

### D. Comment Dates

5. Pursuant to §§ 1.415 and 1.419 of the Commission's rules, §§ 1.415 and 1.419, interested parties may file comments are due on or before December 9, 2002, and reply comments

on or before December 23, 2002. Comments may be filed using the Commission's Electronic Comment Filing System (ECFS) or by filing paper copies. See Electronic Filing of Documents in Rulemaking Proceedings, 63 FR 24121, May 1 1998.

6. Comments filed through the ECFS can be sent as an electronic file via the Internet to <http://www.fcc.gov/e-file/ecfs.html>. Generally, only one copy of an electronic submission must be filed. If multiple docket or rulemaking numbers appear in the caption of this proceeding, however, commenters must transmit one electronic copy of the comments to each docket or rulemaking number referenced in the caption. In completing the transmittal screen, commenters should include their full name, U.S. Postal Service mailing address, and the applicable docket or rulemaking number. Parties may also submit an electronic comment by Internet e-mail. To get filing instructions for e-mail comments, commenters should send an e-mail to [ecfs@fcc.gov](mailto:ecfs@fcc.gov), and should include the following words in the body of the message, "get form <your e-mail address>." A sample form and directions will be sent in reply.

7. Parties who choose to file by paper must file an original and four copies of each filing. If more than one docket or rulemaking number appear in the caption of this proceeding, commenters must submit two additional copies for each additional docket or rulemaking number. Filings can be sent by hand or messenger delivery, by commercial overnight courier, or by first-class or overnight U.S. Postal Service mail (although the Commission continues to experience delays in receiving U.S. Postal Service mail). The Commission's contractor, Vistrionix, Inc., will receive hand-delivered or messenger-delivered paper filings for the Commission's Secretary at 236 Massachusetts Avenue, NE., Suite 110, Washington, DC 20002. The filing hours at this location are 8 a.m. to 7 p.m. All hand deliveries must be held together with rubber bands or fasteners. Any envelopes must be disposed of before entering the building. Commercial overnight mail (other than U.S. Postal Service Express Mail and Priority Mail) must be sent to 9300 East Hampton Drive, Capitol Heights, MD 20743. U.S. Postal Service first-class mail, Express Mail, and Priority Mail should be addressed to 445 12th Street, SW., Washington, DC 20554. All filings must be addressed to the Commission's Secretary, Office of the Secretary, Federal Communications Commission.

## II. Initial Regulatory Flexibility Certification

8. The Regulatory Flexibility Act (RFA) requires that an agency prepare a regulatory flexibility analysis for notice-and-comment rulemaking proceedings, unless the agency certifies that "the rule will not, if promulgated, have a significant economic impact on a substantial number of small entities." The RFA generally defines "small entity" as having the same meaning as the terms "small business," "small organization," and "small governmental jurisdiction." In addition, the term "small business" has the same meaning as the term "small business concern" under the Small Business Act. A "small business concern" is one which: (1) Is independently owned and operated; (2) is not dominant in its field of operation; and (3) satisfies any additional criteria established by the Small Business Administration (SBA).

9. In this Sixth Notice of Proposed Rule Making (Notice), the Commission continues its evaluation of rules applicable to the use of public safety spectrum in the frequencies at 764-776 MHz and 794-806 MHz (the 700 MHz public safety band) and the spectrally proximate 700 MHz guard bands at 746-747 MHz, 762-764 MHz, 776-777 MHz, and 792-794 MHz. The Commission proposes the following changes in the Sixth Notice:

- Revising values in the emission limit tables to ensure technological feasibility;
- Deleting the column entitled "Maximum ACCP (dbm)" from the table governing ACCP requirements for mobile transmitters because these values are inconsistent with the Commission's decision not to require mobile transmitters to utilize Automatic Power Control;
- Changing the terminology "Adjacent Channel Coupled Power" to "adjacent Channel Power" to align the Commission's rules with industry standards.

These changes, which are intended to ensure that the Commission's rules reflect the latest technical and industry standards, and to correct typographical or ministerial errors in the Commission's Rules, are exclusively of an administrative nature. The changes will not have a significant economic impact on small entities because they are technologically neutral and will affect all entities equally.

10. The Commission therefore certifies, pursuant to the RFA, that the proposals in this Notice, if adopted, will not have a significant economic impact on a substantial number of small

entities. If commenters believe that the proposals discussed in the Notice require additional RFA analysis, they should include a discussion of these issues in their comments and additionally label them as RFA comments.

11. The Commission will send a copy of the Notice, including a copy of this Initial Regulatory Flexibility Certification, to the Chief Counsel for Advocacy of the SBA. This initial certification will also be published in the **Federal Register**.

### III. Ordering Clauses

12. Pursuant to sections 4(i), 303(f), 332, and 403 of the Communications Act of 1934, as amended, 47 U.S.C. 154(i), 303(f), 332, 337, 405, this notice of proposed rulemaking is hereby adopted.

13. The Commission's Consumer and Government Affairs Bureau, Reference Information Center, shall send a copy of this notice of proposed rule making, including the Regulatory Flexibility

Certification, to the Chief Counsel for Advocacy of the Small Business Administration.

### List of Subjects

47 *CFR* Part 27

Communications common carriers, Communications equipment, Radio.

47 *CFR* Part 90

Communications equipment, Radio  
Federal Communications Commission.

**Marlene H. Dortch,**  
*Secretary.*

### Rule Changes

Parts 27 and 90 of title 47 of the Code of Federal Regulations is proposed to be amended as follows:

### PART 27—MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES

1. The authority citation for Part 27 continues to read as follows:

**Authority:** 47 U.S.C. 154, 301, 302, 303, 307, 309, 332, 336, and 337 unless otherwise noted.

2. Section 27.53 is amended by revising paragraph (d) to read as follows:

### § 27.53 Emission limitations.

\* \* \* \* \*

(d) For operations in the 746–747 MHz, 762–764 MHz, 776–777 MHz, and 792–794 MHz bands, transmitters must meet the following emission limitations:

(1) The adjacent channel power (ACP) requirements for transmitters designed for various channel sizes are shown in the following tables. Mobile station requirements apply to handheld, car mounted and control station units. The tables specify a value for the ACP as a function of the displacement from the channel center frequency and measurement bandwidth. In the following tables, “(s)” indicates a swept measurement may be used.

Offset from center frequency (kHz)	Measurement bandwidth (kHz)	Maximum ACP (dBc)
<b>6.25 kHz Mobile Transmitter ACP Requirements</b>		
6.25 .....	6.25	–40
12.5 .....	6.25	–60
18.75 .....	6.25	–60
25.00 .....	6.25	–65
37.50 .....	25.00	–65
62.50 .....	25.00	–65
87.50 .....	25.00	–65
150.00 .....	100.00	–65
250.00 .....	100.00	–65
350.00 .....	100.00	–65
>400 kHz to 12 MHz .....	30 (s)	–75
12 MHz to paired receive band .....	30 (s)	–75
In the paired receive band .....	30 (s)	–100
<b>12.5 kHz Mobile Transmitter ACP Requirements</b>		
9.375 .....	6.25	–40
15.625 .....	6.25	–60
21.875 .....	6.25	–60
37.50 .....	25.00	–60
62.50 .....	25.00	–65
87.50 .....	25.00	–65
150.00 .....	100	–65
250.00 .....	100	–65
350.00 .....	100	–65
>400 to 12 MHz .....	30 (s)	–75
12 MHz to paired receive band .....	30 (s)	–75
In the paired receive band .....	30 (s)	–100
<b>25 kHz Mobile Transmitter ACP Requirements</b>		
15.625 .....	6.25	–40
21.875 .....	6.25	–60
37.50 .....	25	–60
62.50 .....	25	–65
87.50 .....	25	–65
150.00 .....	100	–65
250.00 .....	100	–65
350.00 .....	100	–65
>400kHz to 12 MHz .....	30 (s)	–75
12 MHz to paired receive band .....	30 (s)	–75

Offset from center frequency (kHz)		Measurement bandwidth (kHz)	Maximum ACP (dBc)	
In the paired receive band .....		30 (s)	- 100	
Offset from center frequency (kHz)		Measurement Bandwidth (kHz)	Maximum ACP relative (dBc)	Maximum ACP absolute (dBc)
150 kHz Mobile Transmitter ACP Requirements				
100 .....	50	- 40	Not specified <sup>1</sup>	
200 .....	50	- 50	- 35	
300 .....	50	- 50	- 35	
400 .....	50	- 50	- 35	
600- .....	1000	30(s)	- 60	
1000 to receive band .....	30(s)	- 70	- 55	
In the receive band .....	30(s)	- 100	- 75	
Offset from center frequency (kHz)		Measurement bandwidth (kHz)	Maximum ACP (dBc)	
6.25 kHz Base Transmitter ACP Requirements				
6.25 .....		6.25	- 40	
12.50 .....		6.25	- 60	
18.75 .....		6.25	- 60	
25.00 .....		6.25	- 65	
37.50 .....		25	- 65	
62.50 .....		25	- 65	
87.50 .....		25	- 65	
150.00 .....		100	- 65	
250.00 .....		100	- 65	
350.00 .....		100	- 65	
>400 to 12 MHz .....		30 (s)	- 80	
12 MHz to paired receive band 30(s) .....		- 80		
In the paired receive band .....		30 (s)	- 100	
12.5 kHz Base Transmitter ACP Requirements				
9.375 .....		6.25	- 40	
15.625 .....		6.25	- 60	
21.875 .....		6.25	- 60	
37.5 .....		25	- 60	
62.5 .....		25	- 65	
87.5 .....		25	- 65	
150 .....		100	- 65	
250 .....		100	- 65	
350.00 .....		100	- 65	
>400 kHz to 12 MHz .....		30 (s)	- 80	
12 MHz to paired receive band .....		30 (s)	- 80	
In the paired receive band .....		30 (s)	- 100	
25 kHz Base Transmitter ACP Requirements				
15.625 .....		6.25	- 40	
21.875 .....		6.25	- 60	
37.5 .....		25	- 60	
62.5 .....		25	- 65	
87.5 .....		25	- 65	
150 .....		100	- 65	
250 .....		100	- 65	
350 .....		100.00	- 65	
>400 kHz to 12 MHz 30(s) .....		- 80		
12 MHz to paired receive band .....		30 (s)	- 80	
In the paired receive band .....		30 (s)	- 100	
150 kHz Base Transmitter ACP Requirements				
100 .....		50	- 40	
200 .....		50	- 50	
300 .....		50	- 55	
400 .....		50	- 60	
600-1000 .....		30(s)	- 65	
1000 to receive band .....		30(s)	- 75	
In the receive band .....		30(s)	- 100	

<sup>1</sup> Not specified.<sup>2</sup> Continues at - 6dB/Oct.

(2) *ACP measurement procedure.* The following procedures are to be followed for making ACP transmitter measurements. For time division multiple access (TDMA) systems, the measurements are to be made under TDMA operation only during time slots when the transmitter is on. All measurements must be made at the input to the transmitter's antenna. Measurement bandwidth used below implies an instrument that measures the power in many narrow bandwidths (e.g. 300 Hz) and integrates these powers across a larger band to determine power in the measurement bandwidth.

(i) *Setting reference level:* Using a spectrum analyzer capable of ACP measurements, set the measurement bandwidth to the channel size. For example, for a 6.25 kHz transmitter, set the measurement bandwidth to 6.25 kHz; for a 150 kHz transmitter, set the measurement bandwidth to 150 kHz. Set the frequency offset of the measurement bandwidth to zero and adjust the center frequency of the spectrum analyzer to give the power level in the measurement bandwidth. Record this power level in dBm as the "reference power level".

(ii) *Non-swept power measurement:* Using a spectrum analyzer capable of

ACP measurements, set the measurement bandwidth as shown in the tables above. Measure the ACP in dBm. These measurements should be made at maximum power. Calculate the coupled power by subtracting the measurements made in this step from the reference power measured in the previous step. The absolute ACP values must be less than the values given in the table for each condition above.

(iii) *Swept power measurement:* Set a spectrum analyzer to 30 kHz resolution bandwidth, 1 MHz video bandwidth and sample mode detection. Sweep #6 MHz from the carrier frequency. Set the reference level to the RMS value of the transmitter power and note the absolute power. The response at frequencies greater than 600 kHz must be less than the values in the tables above.

(3) *Out-of-band emission limit.* On any frequency outside of the frequency ranges covered by the ACP tables in this section, the power of any emission must be reduced below the unmodulated carrier power (P) by at least  $43 + 10 \log (P)$  dB.

(4) *Authorized bandwidth.* Provided that the ACP requirements of this section are met, applicants may request

any authorized bandwidth that does not exceed the channel size.

\* \* \* \* \*

## PART 90—PRIVATE LAND MOBILE RADIO SERVICES

3. The authority citation for Part 90 continues to read as follows:

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

4. Section 90.543 is amended by revising paragraph (a) to read as follows:

### § 90.543 Emission limitations.

\* \* \* \* \*

(a) The adjacent channel power (ACP) requirements for transmitters designed for various channel sizes are shown in the following tables. Mobile station requirements apply to handheld, car mounted and control station units. The tables specify a value for the ACP as a function of the displacement from the channel center frequency and measurement bandwidth. In the following tables, "(s)" indicates a swept measurement may be used.

\* \* \* \* \*

Offset from center frequency (kHz)	Measurement bandwidth	Maximum ACP (dBc)
<b>6.25 kHz Mobile Transmitter ACP Requirements</b>		
6.25 .....	6.25	-40
12.5 .....	6.25	-60
18.75 .....	6.25	-60
25.00 .....	6.25	-65
37.50 .....	25.00	-65
62.50 .....	25.00	-65
87.50 .....	25.00	-65
150.00 .....	100.00	-65
250.00 .....	100.00	-65
350.00 .....	100.00	-65
>400 kHz to 12 MHz .....	30 (s)	-75
12 MHz to paired receive band .....	30 (s)	-75
In the paired receive band .....	30 (s)	-100
<b>12.5 kHz Mobile Transmitter ACP Requirements</b>		
9.375 .....	6.25	-40
15.625 .....	6.25	-60
21.875 .....	6.25	-60
37.50 .....	25.00	-60
62.50 .....	25.00	-65
87.50 .....	25.00	-65
150.00 .....	100	-65
250.00 .....	100	-65
350.00 .....	100	-65
>400 kHz to 12 MHz .....	30 (s)	-75
12 MHz to paired receive band .....	30 (s)	-75
In the paired receive band .....	30 (s)	-100
<b>25 kHz Mobile Transmitter ACP Requirements</b>		
15.625 .....	6.25	-40

Offset from center frequency (kHz)	Measurement bandwidth	Maximum ACP (dBc)
21.875 .....	6.25	-60
37.50 .....	25	-60
62.50 .....	25	-65
87.50 .....	25	-65
150.00 .....	100	-65
250.00 .....	100	-65
350.00 .....	100	-65
>400 kHz to 12 MHz .....	30 (s)	-75
12 MHz to paired receive band .....	30 (s)	-75
In the paired receive band .....	30 (s)	-100

Offset from center frequency (kHz)	Measurement bandwidth (kHz)	Maximum ACP relative (dBc)	Maximum ACP absolute (dBc)
<b>150 kHz Mobile Transmitter ACP Requirements</b>			
100 .....	50	-40	Not specified
200 .....	50	-50	-35
300 .....	50	-50	-35
400 .....	50	-50	-35
600-1000 .....	30(s)	-60	-45
1000 to receive band .....	30(s)	-70	-55
In the receive band .....	30(s)	-100	-75

Offset from center frequency (kHz)	Measurement bandwidth (kHz)	Maximum ACP (dBc)
<b>6.25 kHz Base Transmitter ACP Requirements</b>		
6.25 .....	6.25	-40
12.50 .....	6.25	-60
18.75 .....	6.25	-60
25.00 .....	6.25	-65
37.50 .....	25	-65
62.50 .....	25	-65
87.50 .....	25	-65
150.00 .....	100	-65
250.00 .....	100	-65
350.00 .....	100	-65
>400 kHz to 12 MHz .....	30 (s)	-80
12 MHz to paired receive band .....	30 (s)	-80
In the paired receive band .....	30 (s)	-100

<b>12.5 kHz Base Transmitter ACP Requirements</b>		
9.375 .....	6.25	-40
15.625 .....	6.25	-60
21.875 .....	6.25	-60
37.5 .....	25	-60
62.5 .....	25	-65
87.5 .....	25	-65
150 .....	100	-65
250 .....	100	-65
350 .....	100	-65
>400 kHz to 12 MHz .....	30 (s)	-80
12 MHz to paired receive band .....	30 (s)	-80
In the paired receive band .....	30 (s)	-100

<b>25 kHz Base Transmitter ACP Requirements</b>		
15.625 .....	6.25	-40
21.875 .....	6.25	-60
37.5 .....	25	-60
62.5 .....	25	-65
87.5 .....	25	-65
150 .....	100	-65
250 .....	100	-65
350 .....	100.00	-65
>400 kHz to 12 MHz .....	30 (s)	-80
12 MHz to paired receive band .....	30 (s)	-80
In the paired receive band .....	30 (s)	-100

Offset from center frequency (kHz)	Measurement bandwidth (kHz)	Maximum ACP (dBc)
<b>150 kHz Base Transmitter ACP Requirements</b>		
100 .....	50	-40
200 .....	50	-50
300 .....	50	-55
400 .....	50	-60
600-1000 .....	30 (s)	-65
1000 to receive band .....	30 (s)	<sup>1</sup> -75
In the receive band .....	30 (s)	-100

Continues at 6dB/Oct.

(b) *ACP measurement procedure.* The following are the procedures for making the transmitter ACP measurements. For all measurements modulate the transmitter as it would be modulated in normal operating conditions. For time division multiple access (TDMA) systems, the measurements are to be made under TDMA operation only during procedures for making transmitter measurements. For time division multiple access (TDMA) systems, the measurements are to be made under TDMA operation only during time slots when the transmitter is active. All measurements are made at the transmitter's output port. If a transmitter has an integral antenna, a suitable power coupling device shall be used to couple the RF signal to the measurement instrument. The coupling device shall substantially maintain the proper transmitter load impedance. The ACP measurements may be made with a spectrum analyzer capable of making direct ACP measurements. "Measurement bandwidth", as used for non-swept measurements, implies an instrument that measures the power in many narrow bandwidths equal to the nominal resolution bandwidth and integrates these powers to determine the total power in the specified measurement bandwidth.

(1) *Setting reference level.* Set transmitter to maximum output power. Using a spectrum analyzer capable of ACP measurements, set the measurement bandwidth to the channel size. For example, for a 6.25 kHz transmitter, set the measurement

bandwidth to 6.25 kHz; for a 150 kHz transmitter, set the measurement bandwidth to 150 kHz. Set the frequency offset of the measurement bandwidth to zero and adjust the center frequency of the instrument to the assigned center frequency to measure the average power level of the transmitter. Record this power level in dBm as the "reference power level".

(2) *Non-swept power measurement:* Using a spectrum analyzer capable of ACP measurements, set the measurement bandwidth and frequency offset from the assigned center frequency as shown in the tables in § 90.543(a) above. Any value of resolution bandwidth may be used as long as it does not exceed 2% of the specified measurement bandwidth. Measure the power level in dBm. These measurements should be made at maximum power. Calculate ACP by subtracting the reference power level measured in (b)(1) from the measurements made in this step. The absolute value of the calculated ACP must be greater than or equal to the absolute value of the ACP given in the table for each condition above.

(3) *Swept power measurement:* Set a spectrum analyzer to 30 kHz resolution bandwidth, 1 MHz bandwidth and average, sample, or RMS detection. Set the reference level of the spectrum analyzer to the RMS value of the transmitter power. Sweep above and below the carrier frequency to the limits defined in the tables. Calculate ACP by subtracting the reference power level measured in (b)(1) from the measurements made in this step. The

absolute value of the calculated ACP must be greater than or equal to the absolute value of the ACP given in the table for each condition above.

(c) *Out-of-band emission limit.* On any frequency outside of the frequency ranges covered by the ACP tables in this section, the power of any emission must be reduced below the mean output power (P) by at least  $43 + 10\log(P)$  dB measured in 100 kHz bandwidth for frequencies less than 1 GHz, and in a 1 MHz bandwidth for frequencies greater than 1 GHz.

(d) *Authorized bandwidth.* Provided that the ACP requirements of this section are met, applicants may request any authorized bandwidth that does not exceed the channel size.

(e) For operations in the 764 to 776 MHz and 794 to 806 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to -70 dBW/MHz dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

(f) When an emission outside of the authorized bandwidth causes harmful interference, the Commission may, at its discretion, require greater attenuation than specified in this section.

[FR Doc. 02-28166 Filed 11-7-02; 8:45 am]

BILLING CODE 6712-01-P