

**§ 78.111 Frequency tolerance.**

Stations in this service shall maintain the carrier frequency of each authorized transmitter to within the following percentage of the assigned frequency.

Frequency band (MHz)	Frequency tolerance	
	Fixed (percent)	Mobile (percent)
1,990 to 2,110 .....	.....	0.005
6,425 to 6,525 .....	.....	0.005
6,875 to 7,125 .....	.....	0.005
12,700 to 13,250 <sup>1</sup> .....	0.005	0.005
17,700 to 18,820 .....	0.003	.....
18,820 to 18,920 .....	0.001	.....
18,920 to 19,700 .....	0.003	.....

<sup>1</sup> Stations that employing vestigial sideband AM transmissions shall maintain their operating frequency within 0.0005% the visual carrier, and the aural carrier shall be 4.5 MHz± 1 kHz above the visual carrier frequency.

[52 FR 7145, Mar. 9, 1987, as amended at 68 FR 12776, Mar. 17, 2003]

**§ 78.113 Frequency monitors and measurements.**

(a) The licensee of each CARS station shall employ a suitable procedure to determine that the carrier frequency of each transmitter is maintained within the tolerance prescribed in § 78.111 at all times. The determination shall be made, and the results thereof entered in the station records; when a transmitter is initially installed; when any change is made in a transmitter which may affect the carrier frequency or the stability thereof; or in any case at intervals not exceeding one year.

(b) The choice of apparatus to measure the operating frequency is left to the discretion of the licensee. However, failure of the apparatus to detect departures of the operating frequency in excess of the prescribed tolerance will not be deemed an acceptable excuse for the violation.

[37 FR 3292, Feb. 12, 1972, as amended at 41 FR 29696, July 19, 1976; 50 FR 23422, June 4, 1985]

**§ 78.115 Modulation limits.**

(a) If amplitude modulation is employed, negative modulation peaks shall not exceed 100 percent modulation.

[37 FR 3292, Feb. 12, 1972, as amended at 45 FR 78696, Nov. 26, 1980]

ALPHABETICAL INDEX—PART 78

A

Antenna systems ..... 78.105

Applications—

Acceptance of; public notice ..... 78.20

Amendments of ..... 78.17

Contents of ..... 78.15

Dismissal of ..... 78.21

Objections to ..... 78.22

Signing of ..... 78.16

Assignment or transfer of control ..... 78.35

Authority, Temporary ..... 78.33

Authorized bandwidth ..... 78.104

B

Bandwidth authorized ..... 78.104

C

Certificated equipment ..... 78.107

Changes in equipment ..... 78.109

Conditions for license ..... 78.27

Coordination, frequencies ..... 78.36

Cross reference to other rules ..... 78.3

D

Definitions ..... 78.5

E

Eligibility for license ..... 78.13

Emission designator ..... 78.104

Emissions; emission limitations ..... 78.103

Equal employment opportunities ..... 78.75

Equipment changes ..... 78.109

Equipment installation ..... 78.107

Equipment tests ..... 78.23

Extension of license, Temporary ..... 78.31

F

Frequency assignments ..... 78.18

Frequency coordination ..... 78.36

Frequency monitors and measurements ..... 78.113

Frequency tolerance ..... 78.111

G–H [Reserved]

I

Interference ..... 78.19

Inspection of station by FCC ..... 78.57

Installation of equipment ..... 78.107

J–K [Reserved]

L

License conditions ..... 78.27

License eligibility ..... 78.13

License extension, Temporary ..... 78.31

License period ..... 78.29

Licenses, station and operator, Posting of ..... 78.59

Lighting and maintenance of towers ..... 78.63

Limitations, Power ..... 78.101

Limits of modulation ..... 78.115

M

Maintenance and lighting of towers ..... 78.63

Modulation limits ..... 78.115

Monitors and Measurements, Frequency ..... 78.113

N [Reserved]

O

Operation by remote control ..... 78.51

Operation, Time of ..... 78.55

Operation, Unattended ..... 78.53

Operator and station licenses, Posting of ..... 78.59

Operator requirements ..... 78.61

P

Period of license ..... 78.29

Permissible service .....	78.11
Possession of rules .....	78.67
Posting of operator and station licenses .....	78.59
Power limitations .....	78.101
Purpose of Part 78 .....	78.1
Q [Reserved]	
R	
Records of station .....	78.69
Remote control operation .....	78.51
Rules in other Parts .....	78.3
Rules, Possession of .....	78.67
S	
Service, Permissible .....	78.11
Station and operator licenses, Posting of .....	78.59
Station inspection by FCC .....	78.57
Station records .....	78.69
T	
Temporary authority .....	78.33
Temporary extension of license .....	78.31
Tests—	
Equipment .....	78.23
Program .....	78.25
Service .....	78.25
Time of operation .....	78.55
Tolerance, Frequency .....	78.111
Towers, Lighting and maintenance .....	78.63
Transfer of control or assignment .....	78.35
U	
Unattended operation .....	78.53
V-Z [Reserved]	

[50 FR 38537, Sept. 23, 1985, as amended at 63 FR 36606, July 7, 1998]

**PART 79—CLOSED CAPTIONING AND VIDEO DESCRIPTION OF VIDEO PROGRAMMING**

- Sec.
- 79.1 Closed captioning of video programming.
- 79.2 Accessibility of programming providing emergency information.
- 79.3 Video description of video programming.

AUTHORITY: 47 U.S.C. 151, 152(a), 154(i), 303, 307, 309, 310, 613.

SOURCE: 62 FR 48493, Sept. 16, 1997, unless otherwise noted.

**§ 79.1 Closed captioning of video programming.**

(a) *Definitions.* For purposes of this section the following definitions shall apply:

(1) *Video programming.* Programming provided by, or generally considered comparable to programming provided by, a television broadcast station that is distributed and exhibited for residential use. Video programming includes advertisements of more than five minutes in duration but does not include

advertisements of five minutes' duration or less.

(2) *Video programming distributor.* Any television broadcast station licensed by the Commission and any multi-channel video programming distributor as defined in § 76.1000(e) of this chapter, and any other distributor of video programming for residential reception that delivers such programming directly to the home and is subject to the jurisdiction of the Commission. An entity contracting for program distribution over a video programming distributor that is itself exempt from captioning that programming pursuant to paragraph (e)(9) of this section shall itself be treated as a video programming distributor for purposes of this section. To the extent such video programming is not otherwise exempt from captioning, the entity that contracts for its distribution shall be required to comply with the closed captioning requirements of this section.

(3) *Video programming provider.* Any video programming distributor and any other entity that provides video programming that is intended for distribution to residential households including, but not limited to broadcast or nonbroadcast television network and the owners of such programming.

(4) *Closed captioning.* The visual display of the audio portion of video programming pursuant to the technical specifications set forth in part 15 of this chapter.

(5) *New programming.* Video programming that is first published or exhibited on or after January 1, 1998.

(6) *Pre-rule programming.* (i) Video programming that was first published or exhibited before January 1, 1998.

(ii) Video programming first published or exhibited for display on television receivers equipped for display of digital transmissions or formatted for such transmission and exhibition prior to the date on which such television receivers must, by Commission rule, be equipped with built-in decoder circuitry designed to display closed-captioned digital television transmissions.

(7) *Nonexempt programming.* Video programming that is not exempt under