

§78.111

this section may be made at the discretion of the licensee, provided that the Engineer in Charge of the radio district in which the station is located and the Commission in Washington, DC, are notified in writing upon the completion of such changes and provided further, that the changes are appropriately reflected in the next application for renewal of licenses of the station.

(c) Any application proposing a change in the height of the antenna structure or its location shall include the Antenna Structure Registration Number (FCC Form 854R) of the structure upon which it proposes to locate its antenna. In the event the antenna structure does not have a Registration Number, the owner of the antenna structure shall file an FCC Form 854 ("Application for Antenna Structure Registration") in accordance with part 17 of this chapter or the applicant shall provide a detailed explanation as to why registration and clearance are not required.

(d) *Permissible changes in equipment operating in the band 19.26-19.3 GHz.* Notwithstanding other provisions of this section, licensees of stations that remain co-primary under the provisions of §78.18(a)(4) may not make modifications to their systems that increase interference to satellite earth stations, or result in a facility that would be more costly to relocate.

[37 FR 3292, Feb. 12, 1972, as amended at 38 FR 6827, Mar. 3, 1973; 41 FR 29696, July 19, 1976; 61 FR 4368, Feb. 6, 1996; 65 FR 54173, Sept. 7, 2000]

EFFECTIVE DATE NOTE: At 65 FR 54173, Sept. 7, 2000, §78.109, was amended by adding paragraph (d), effective Oct. 10, 2000.

§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 | 0.005 |
| 6,425 to 6,525 | 0.005 | 0.005 |
| 6,875 to 7,125 | 0.005 | 0.005 |
| 12,700 to 13,250 ¹ | 0.005 | 0.005 |
| 17,700 to 18,820 | 0.003 | 0.003 |
| 18,820 to 18,920 | 0.001 | 0.001 |

47 CFR Ch. I (10-1-00 Edition)

| Frequency band (MHz) | Frequency tolerance | |
|------------------------|---------------------|------------------|
| | Fixed (percent) | Mobile (percent) |
| 18,920 to 19,700 | 0.003 | 0.003 |
| 31,000 to 31,300 | 0.05 | 0.05 |

¹ 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]

§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 |

Federal Communications Commission

§ 79.1

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