

Federal Communications Commission

§ 78.113

as major or minor. A major modification requires a formal application. A major amendment to an application is treated as a new application.

(b) Major modifications to a station or amendments to an application include, but are not limited to:

- (1) Any increase in bandwidth;
- (2) Any change in the transmitting antenna system of a station, other than a CARS pickup station, including the direction of the main radiation lobe, directive pattern, antenna gain or transmission line, antenna height or location;
- (3) Any change in the type of modulation;
- (4) Any change in the location of a station transmitter, other than a CARS pickup station transmitter, except a move within the same building or upon the tower or mast or a change in the area of operation of a CARS pickup station;
- (5) Any change in frequency assignment, including polarization;
- (6) Any increase in authorized operating power;
- (7) Any substantial change in ownership or control;
- (8) Any addition or change in frequency, excluding removing a frequency;
- (9) Any modification or amendment requiring an environmental assessment (as governed by §§1.1301 through 1319 of this chapter, including changes affecting historic preservation under §1.1307(a)(4) of this chapter and 16 U.S.C. 470 (National Historic Preservation Act));
- (10) Any request requiring frequency coordination; or
- (11) Any modification or amendment requiring notification to the Federal Aviation Administration as defined in 47 CFR 17, subpart B.

(c) Minor changes may be made at the discretion of the licensee, provided proper notice is given to the Commission within 30 days of implementing the change and provided further, that the changes are appropriately reflected in the next application for renewal of the license for the station.

(d) For applications and modifications, the following changes are considered minor:

- (1) Any name change not involving change in ownership or control of the license;
 - (2) Any change to administrative information, e.g., address, telephone number, or contact person;
 - (3) Any change in ownership that does not affect the identity or controlling interest of the licensee;
 - (4) Lowering power;
 - (5) Removing one or more channels;
- or
- (6) Deleting a path.

[68 FR 27004, May 19, 2003]

§ 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 ¹	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

¹Stations 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

§ 78.115

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

47 CFR Ch. I (10–1–12 Edition)

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.
79.4	Closed captioning of video programming delivered using Internet protocol.
79.100	Incorporation by reference.
79.101	Closed caption decoder requirements for analog television receivers.