

accessible and clearly visible to the operator at that position.

(b) Any transmitter tests, adjustments, or repairs during or coincident with the installation, servicing, operation or maintenance of a CARS station which may affect the proper operation of such station shall be made by or under the immediate supervision and responsibility of a person responsible for proper functioning of the station equipment.

(c) The operator on duty and in charge of a CARS station may, at the discretion of the licensee, be employed for other duties or for the operation of another station or stations in accordance with the rules governing such stations. However, such duties shall in no way impair or impede the required supervision of the CARS station.

(d) CARS stations operating with nominal transmitter power of 250 milliwatts or less may be operated by any person whom the licensee shall designate. Pursuant to this provision, the designated person shall perform as the licensee's agent and proper operation of the station shall remain the licensee's responsibility.

(e) Mobile CARS stations operating with nominal transmitter power in excess of 250 milliwatts may be operated by any person whom the licensee shall designate: Provided that a person is on duty at a receiving end of the circuit to supervise operation and to immediately institute measures sufficient to assure prompt correction of any condition of improper operation that may be observed.

(Secs. 1, 2, 301, 307, 48 Stat., as amended, 1064, 1081, 1083; (47 U.S.C. 151, 152, 301, 307))

[43 FR 4617, Feb. 3, 1978, as amended at 49 FR 20671, May 16, 1984; 50 FR 32418, Aug. 12, 1985]

#### **§ 78.63 Antenna structure marking and lighting.**

The owner of each antenna structure is responsible for ensuring that the structure, if required, is painted and/or illuminated in accordance with part 17 of this chapter. In the event of default by the owner, each licensee shall be responsible for ensuring that the structure complies with applicable painting and lighting requirements.

[61 FR 4368, Feb. 6, 1996]

#### **§ 78.65 Additional orders.**

In case the rules of this part do not cover all phases of operation with respect to external effects, the Commission may make supplemental or additional orders in each case as may be deemed necessary.

#### **§ 78.67 Copies of rules.**

The licensee of a CARS station shall have a current copy of this part 78, and, in cases where aeronautical obstruction marking of antennas is required, part 17 of this chapter shall be available for use by the operator in charge. Both the licensee and the operator or operators responsible for the proper operation of the station are expected to be familiar with the rules governing CARS stations. Copies of the Commission's rules may be obtained from the Superintendent of Documents, Government Printing Office, Washington, DC 20402, at nominal cost.

#### **§ 78.69 Station records.**

Each licensee of a CARS station shall maintain records showing the following:

(a) For all attended or remotely controlled stations, the date and time of the beginning and end of each period of transmission of each channel;

(b) For all stations, the date and time of any unscheduled interruptions to the transmissions of the station, the duration of such interruptions, and the causes thereof;

(c) For all stations, the results and dates of the frequency measurements made pursuant to § 78.113 and the name of the person or persons making the measurements;

(d) For all stations, when service or maintenance duties are performed, which may affect a station's proper operation, the responsible operator shall sign and date an entry in the station's records, giving:

(1) Pertinent details of all transmitter adjustments performed by the operator or under the operator's supervision.

(e) When a station in this service has an antenna structure which is required to be illuminated, appropriate entries shall be made as follows:

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(1) The time the tower lights are turned on and off each day, if manually controlled.

(2) The time the daily check of proper operation of the tower lights was made, if an automatic alarm system is not employed.

(3) In the event of any observed or otherwise known failure of a tower light:

(i) Nature of such failure.

(ii) Date and time the failure was observed or otherwise noted.

(iii) Date, time, and nature of the adjustments, repairs, or replacements made.

(iv) Identification of Flight Service Station (Federal Aviation Administration) notified of the failure of any code or rotating beacon light not corrected within 30 minutes, and the date and time such notice was given.

(v) Date and time notice was given to the Flight Service Station (Federal Aviation Administration) that the required illumination was resumed.

(4) Upon completion of the 3-month periodic inspection required by § 78.63(c):

(i) The date of the inspection and the condition of all tower lights and associated tower lighting control devices, indicators, and alarm systems.

(ii) Any adjustments, replacements, or repairs made to insure compliance with the lighting requirements and the date such adjustments, replacements, or repairs were made.

(f) For all stations, station record entries shall be made in an orderly and legible manner by the person or persons competent to do so, having actual knowledge of the facts required, who shall sign the station record when starting duty and again when going off duty.

(g) For all stations, no station record or portion thereof shall be erased, obliterated, or willfully destroyed within the period of retention required by rule. Any necessary correction may be made only by the person who made the original entry who shall strike out the erroneous portion, initial the correction made, and show the date the correction was made.

(h) For all stations, station records shall be retained for a period of not less than 2 years. The Commission reserves the right to order retention of station records for a longer period of time. In cases where the licensee or permittee has notice of any claim or complaint, the station record shall be retained until such claim or complaint has been fully satisfied or until the same has been barred by statute limiting the time for filing of suits upon such claims.

[41 FR 29695, July 19, 1976, as amended at 49 FR 20672, May 16, 1984; 50 FR 23422, June 4, 1985]

**§ 78.75 Equal employment opportunities.**

See Subpart E, Part 76 of this chapter.

[51 FR 9966, Mar. 24, 1986]

**Subpart D—Technical Regulations**

**§ 78.101 Power limitations.**

(a) On any authorized frequency, the average power delivered to an antenna shall be the minimum amount of power necessary to carry out the communications desired. In no event shall the average transmitter power or equivalent isotropically radiated power (EIRP) exceed the values specified below.

Frequency band (MHz)	Maximum allowable transmitter power—mobile (W)	Maximum allowable EIRP <sup>1,2</sup>	
		Fixed (dBW)	Mobile (dBW)
2,025 to 2,110 .....	20.0 .....	.....	+35
6,425 to 6,525 .....	20.0 .....	.....	+35
6,875 to 7,125 .....	20.0 .....	.....	+35
12,700 to 13,250 .....	1.5 .....	+55	+45
17,700 to 18,600 .....	.....	+55	.....
18,600 to 18,800 <sup>1</sup> .....	.....	+35	.....
18,800 to 19,700 .....	.....	+55	.....

<sup>1</sup> The power delivered to the antenna is limited to –3 dBW.

<sup>2</sup> Stations licensed based on an application filed before April 16, 2003, for EIRP values exceeding those specified above, may continue to operate indefinitely in accordance with the terms of their current authorizations, subject to periodic renewal.