

**§ 87.109**

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such as equipment testing or adjustment, must be identified by the call sign or by the registration marking of the parent aircraft followed by a single digit other than 0 or 1.

(d) *Exempted station.* The following types of stations are exempted from the use of a call sign: Airborne weather radar, radio altimeter, air traffic control transponder, distance measuring equipment, collision avoidance equipment, racon, radio relay, radio-navigation land test station (MTF), and automatically controlled aeronautical enroute stations.

**§ 87.109 Station logs.**

(a) A station at a fixed location in the international aeronautical mobile service must maintain a log in accordance with Annex 10 of the ICAO Convention.

(b) A station log must contain the following information:

- (1) The name of the agency operating the station.
- (2) The identification of the station.
- (3) The date.
- (4) The time of opening and closing the station.
- (5) The frequencies being guarded and the type of watch (continuous or scheduled) being maintained on each frequency.

(6) Except at intermediate mechanical relay stations where the provisions of this paragraph need not be complied with, a record of each communication showing text of communication, time communications completed, station(s) communicated with, and frequency used.

(7) All distress communications and action thereon.

(8) A brief description of communications conditions and difficulties, including harmful interference. Such entries should include, whenever practicable, the time at which interference was experienced, the character, radio frequency and identification of the interfering signal.

(9) A brief description of interruption to communications due to equipment failure or other troubles, giving the duration of the interruption and action taken.

(10) Such additional information as may be considered by the operator to be of value as part of the record of the stations operations.

(c) Stations maintaining written logs must also enter the signature of each operator, with the time the operator assumes and relinquishes a watch.

[69 FR 32879, June 14, 2004]

**§ 87.111 Suspension or discontinuance of operation.**

The licensee of any airport control tower station or radionavigation land station must notify the nearest FAA regional office upon the temporary suspension or permanent discontinuance of the station. The FAA regional office must be notified again when service resumes.

[69 FR 32880, June 14, 2004]

**Subpart D—Technical Requirements**

**§ 87.131 Power and emissions.**

The following table lists authorized emissions and maximum power. Power must be determined by direct measurement.

Class of station	Frequency band/ frequency	Authorized emission(s) <sup>9</sup>	Maximum power <sup>1</sup>
Aeronautical advisory .....	VHF .....	A3E .....	10 watts. <sup>10</sup>
Aeronautical multicom .....	VHF .....	A3E .....	10 watts.
Aeronautical enroute and aeronautical fixed.	HF .....	R3E, H3E, J3E, J7B, H2B, J2D .....	6 kw.
	HF .....	A1A, F1B, J2A, J2B .....	1.5 kw.
	VHF .....	A3E, A9W G1D, A2D.	
Aeronautical search and rescue .....	VHF .....	A3E .....	10 watts.
	HF .....	R3E, H3E, J3E .....	100 watts.
Operational fixed .....	VHF .....	G3E, F2D .....	30 watts.
Flight test land .....	VHF .....	A3E .....	200 watts.
	UHF .....	F2D, F9D, F7D .....	25 watts. <sup>3</sup>
	HF .....	H2B, J3E, J7D, J9W .....	6.0 kw.