

§ 87.111

47 CFR Ch. I (10–1–09 Edition)

(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) ⁹ | Maximum power ¹ |
|--|----------------------------|---------------------------------------|----------------------------|
| Aeronautical advisory | VHF | A3E | 10 watts. ¹⁰ |
| 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. ³ |
| | HF | H2B, J3E, J7D, J9W | 6.0 kw. |
| Aviation support | VHF | A3E | 50 watts. |
| Airport control tower | VHF | A3E, G1D, G7D | 50 watts. |
| | Below 400 kHz | A3E | 15 watts. |
| Aeronautical utility mobile | VHF | A3E | 10 watts. |
| Radionavigation land test | 108.150 MHz | A9W | 1 milliwatt. |
| | 334.550 MHz | A1N | 1 milliwatt. |
| | Other VHF | M1A, XXA, A1A, A1N, A2A, A2D, A9W ... | 1 watt. |
| | Other UHF | M1A, XXA, A1A, A1N, A2A, A2D, A9W ... | 1 watt. |
| | 5031.0 MHz | F7D | 1 watt. |
| Radionavigation land | Various ⁴ | Various ⁴ | Various. ⁴ |
| Aeronautical Frequencies | | | |
| Aircraft (Communication) | UHF | F2D, F9D, F7D | 25 watts. |
| | VHF | A3E, A9W, G1D, G7D, A2D | 55 watts. |