

## § 87.111

(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

## 47 CFR Ch. I (10–1–14 Edition)

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.
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.
	1090 MHz .....	M1D .....	20 watts.
Aircraft data link land test .....	131.450 MHz, 131.550 MHz, 131.725 MHz, 131.825 MHz, 136.850 MHz.	A2D .....	100 microwatts.
	136.900 MHz, 136.925 MHz, 136.950 MHz, 136.975 MHz.	G1D .....	100 microwatts.
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 <sup>4</sup> .....	Various <sup>4</sup> .....	Various. <sup>4</sup>
Aeronautical Frequencies			
Aircraft (Communication) .....	UHF .....	F2D, F9D, F7D .....	25 watts.
	VHF .....	A3E, A9W, G1D, G7D, A2D .....	55 watts.
	HF .....	R3E, H3E, J3E, J7B, H2B, J7D, J9W .....	400 watts.
	HF .....	A1A, F1B, J2A, J2B .....	100 watts.