

## § 18.309

## 47 CFR Ch. I (10–1–14 Edition)

(e) These conduction limits shall apply only outside of the frequency bands specified in § 18.301.

(f) For ultrasonic equipment, compliance with the conducted limits shall preclude the need to show compliance with the field strength limits below 30 MHz unless requested by the Commission.

(g) The tighter limits shall apply at the boundary between two frequency ranges.

[50 FR 36067, Sept. 5, 1985, as amended at 52 FR 43198, Nov. 10, 1987; 64 FR 37419, July 12, 1999; 67 FR 45671, July 10, 2002]

### § 18.309 Frequency range of measurements.

(a) For field strength measurements:

Frequency band in which device operates (MHz)	Range of frequency measurements	
	Lowest frequency	Highest frequency
Below 1.705 .....	Lowest frequency generated in the device, but not lower than 9 kHz.	30 MHz.
1.705 to 30 .....	Lowest frequency generated in the device, but not lower than 9 kHz.	400 MHz.
30 to 500 .....	Lowest frequency generated in the device or 25 MHz, whichever is lower.	Tenth harmonic or 1,000 MHz, whichever is higher.
500 to 1,000 .....	Lowest frequency generated in the device or 100 MHz, whichever is lower.	Tenth harmonic.
Above 1,000 .....	.....do .....	Tenth harmonic or highest detectable emission.

(b) For conducted powerline measurements, the frequency range over which the limits are specified will be scanned.

[50 FR 36070, Sept. 5, 1985, as amended at 51 FR 17971, May 16 1986]

### § 18.311 Methods of measurements.

The measurement techniques which will be used by the FCC to determine compliance with the technical requirements of this part are set out in FCC Measurement Procedure MP-5, “Methods of Measurements of Radio Noise Emissions from ISM equipment”. Although the procedures in MP-5 are not mandated, manufacturers are encouraged to follow the same techniques which will be used by the FCC.

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AUTHORITY: 5 U.S.C. 7301; 47 U.S.C. 154 (b), (i), (j), and 303(r).

SOURCE: 61 FR 56112, Oct. 31, 1996, unless otherwise noted.

### Subpart A—General Provisions

#### § 19.735–101 Purpose.

The regulations in this part prescribe procedures and standards of conduct that are appropriate to the particular functions and activities of the Commission, and are issued by the Commission under authority independent of the uniform Standards of Ethical Conduct for Employees of the Executive Branch at 5 CFR part 2635 or otherwise in accordance with 5 CFR 2635.105(c).