

## Federal Communications Commission

## § 5.5

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AUTHORITY: Secs. 4, 302, 303, 307, 336 48 Stat. 1066, 1082, as amended; 47 U.S.C. 154, 302, 303, 307, 336. Interpret or apply sec. 301, 48 Stat. 1081, as amended; 47 U.S.C. 301.

SOURCE: 78 FR 25162, Apr. 29, 2013, unless otherwise noted.

## Subpart A—General

### § 5.1 Basis and purpose.

(a) *Basis.* The rules following in this part are promulgated pursuant to the provisions of Title III of the Communications Act of 1934, as amended, which vests authority in the Federal Communications Commission to regulate radio transmissions and to issue licenses for radio stations.

(b) *Purpose.* The rules in this part provide the conditions by which portions of the radio frequency spectrum may be used for the purposes of experimentation, product development, and market trials.

### § 5.3 Scope of service.

Stations operating in the Experimental Radio Service will be permitted to conduct the following type of operations:

- (a) Experimentations in scientific or technical radio research.

(b) Experimentations in the broadcast services.

(c) Experimentations under contractual agreement with the United States Government, or for export purposes.

(d) Communications essential to a research project.

(e) Technical demonstrations of equipment or techniques.

(f) Field strength surveys.

(g) Demonstration of equipment to prospective purchasers by persons engaged in the business of selling radio equipment.

(h) Testing of equipment in connection with production or regulatory approval of such equipment.

(i) Testing of medical devices that use RF wireless technology or communications functions for diagnosis, treatment, or patient monitoring.

(j) Development of radio technique, equipment, operational data or engineering data, including field or factory testing or calibration of equipment, related to an existing or proposed radio service.

(k) Product development and market trials.

(l) Types of experiments that are not specifically covered under paragraphs (a) through (k) of this section will be considered upon demonstration of need for such additional types of experiments.

### § 5.5 Definition of terms.

For the purposes of this part, the following definitions shall be applicable. For other definitions, refer to part 2 of this chapter (Frequency Allocations and Radio Treaty Matters; General Rules and Regulations).

*Authorized frequency.* The frequency assigned to a station by the Commission and specified in the instrument of authorization.

*Authorized power.* The power assigned to a radio station by the Commission and specified in the instrument of authorization.

*Experimental radio service.* A service in which radio waves are employed for purposes of experimentation in the radio art or for purposes of providing essential communications for research projects that could not be conducted without the benefit of such communications.