

## §5.51

*Experimental station.* A station utilizing radio waves in experiments with a view to the development of science or technique.

*Harmful interference.* Any radiation or induction that endangers the functioning of a radionavigation or safety service, or obstructs or repeatedly interrupts a radio service operating in accordance with the Table of Frequency Allocations and other provisions of part 2 of this chapter.

*Landing area.* As defined by 49 U.S.C. 40102(a)(28), any locality, either of land or water, including airdromes and intermediate landing fields, that is used, or intended to be used, for the landing and take-off of aircraft, whether or not facilities are provided for the shelter, servicing, or repair of aircraft, or for receiving or discharging passengers or cargo.

*Market trial.* A program designed to evaluate product performance and customer acceptability prior to the production stage, and typically requires testing a specific product under expected use conditions to evaluate actual performance and effectiveness.

*Open Area Test Site.* A site for electromagnetic measurements that has a reflective ground plane, and is characterized by open, flat terrain at a distance far enough away from buildings, electric lines, fences, trees, underground cables, pipelines, and other potential reflective objects, so that the effects due to such objects are negligible.

*Person.* An individual, partnership, association, joint stock company, trust, corporation, or state or local government.

*Product development trial.* An experimental program designed to evaluate product performance (including medical devices in clinical trials) in the conceptual, developmental, and design stages, and typically requiring testing under expected use conditions.

## Subpart B—Applications and Licenses

### LICENSE REQUIREMENTS

#### §5.51 Eligibility.

(a) Authorizations for stations in the Experimental Radio Service will be issued only to persons qualified to con-

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duct the types of operations permitted in §5.3, including testing laboratories recognized by the Commission for radio frequency device testing.

(b) No foreign government or representative thereof is eligible to hold a station license in the Experimental Radio Service.

#### §5.53 Station authorization required.

No radio transmitter shall be operated in the Experimental Radio Service in the United States and its Territories except under and in accordance with a proper station authorization granted by the Commission.

#### §5.54 Types of authorizations available.

The Commission issues the following types of experimental authorizations:

(a)(1) *Conventional experimental radio license.* This type of license is issued for a specific research or experimentation project (or a series of closely-related research or experimentation projects), a product development trial, or a market trial. Widely divergent and unrelated experiments must be conducted under separate licenses.

(2) *Special temporary authorization.* When an experimental program is expected to last no more than six months, its operation is considered to be temporary and the special temporary authorization procedure outlined in §5.61 must be used.

(b) *Broadcast experimental radio license.* This type of license is issued for the purpose of research and experimentation for the development and advancement of new broadcast technology, equipment, systems or services. This is limited to stations intended for reception and use by the general public.

(c) *Program experimental radio license.* This type of license is issued to qualified institutions and to conduct an ongoing program of research and experimentation under a single experimental authorization subject to the requirements of subpart E of this part. Program experimental radio licenses are available to colleges, universities, research laboratories, manufacturers of radio frequency equipment, manufacturers that integrate radio frequency