

Civil Aeronautics Administration has authorized air carrier operation on a scheduled basis.

(i) A1, A2 emission only: 4947.5, 5672.5, 8015.<sup>14</sup>

(ii) A3 emission only: 4952.5, 5582.5.

(4) Available for aeronautical point-to-point stations of licensees of aeronautical stations maintaining non-scheduled air carrier operations only.

(i) A1, A2 emission only: 4650, 5662.5, 8015.<sup>14</sup>

(ii) A3 emission only: 5042.5, 5622.5.

#### § 14.74 Off route service in Alaska.

(a) The frequencies 3105 and 6210 kilocycles may be assigned to aeronautical stations at locations in Alaska other than on the Orange and Green Chains.

(b) Aircraft and aeronautical stations in Alaska may use the frequency 8220 kilocycles when the aircraft is separated by more than 400 miles from the nearest aeronautical station.

(c) Scheduled aircraft which normally fly the Alaska chain routes may communicate on chain frequencies with chain stations when they are making special trips off the normal route.

## Part 15—Restricted Radiation Devices

Sec.

15.1 General.

15.2 Apparatus excepted from requirements of other rules.

15.3 Exceptions; interference to radio reception.

15.4 Inspection and test; certificates.

**AUTHORITY:** §§ 15.1 to 15.4 issued under sec. 4, 48 Stat. 1066, as amended; 47 U. S. C. 154.

**SOURCE:** §§ 15.1 to 15.4 appear at 13 F. R. 4393.

§ 15.1 *General.* Pending the acquiring of more complete information regarding the character and effects of the radiation involved, the following provisions shall govern the operation of the low power radio frequency electrical devices hereinafter described.

§ 15.2 *Apparatus excepted from requirements of other rules.* With respect to any apparatus which generates a radio frequency electromagnetic field functionally utilizing a small part of such field in the operation of associated

apparatus not physically connected thereto and at a distance not greater than

$$\frac{157,000}{f. (kc.)} \text{ ft.} \quad \left[ \frac{\lambda}{2\pi} \right]$$

the existing rules and regulations of the Commission shall not be applicable, provided:

(a) That such apparatus shall be operated with the minimum power possible to accomplish the desired purpose.

(b) That the best engineering principles shall be utilized in the generation of radio frequency currents so as to guard against interference to established radio services, particularly on the fundamental and harmonic frequencies.

(c) That in any event the total electromagnetic field produced at any point a distance of

$$\frac{157,000}{f. (kc.)} \text{ ft.} \quad \left[ \frac{\lambda}{2\pi} \right]$$

from the apparatus shall not exceed 15 microvolts per meter.

(d) That the apparatus shall conform to such engineering standards as may from time to time be promulgated by the Commission.

§ 15.3 *Exceptions; interference to radio reception.* The provisions of §§ 15.1 and 15.2 shall not be construed to apply to any apparatus which causes interference to radio reception.

§ 15.4 *Inspection and test; certificates.* Upon request, the Commission will inspect and test any apparatus described in §§ 15.1 and 15.2, and on the basis of such inspection and test, formulate and publish findings as to whether such apparatus does or does not comply with the above conditions, and issue a certificate specifying conditions of operation to the party making such request.

## Part 16—Railroad Radio Service

### DEFINITIONS

Sec.

16.1 Railroad.

16.2 Railroad radio service.

16.3 Train radio station.

16.4 Yard and terminal radio station.

16.5 Railroad utility radio station.

### LICENSES

16.21 Eligibility for license.

16.22 License period.

16.23 Display of station license and transmitter identification cards.

<sup>14</sup> Not to be used between the hours of 6:00 p. m. and 6:00 a. m. P. S. T.