

stations, are available on a secondary basis for communication between ships in Alaskan waters and to ship stations for communication with public coast stations employing primarily telephony in Alaska, using types A1, A2 and A3 emission, provided the maximum power shall not exceed 100 watts and upon the condition that no interference will result to other services:

2466	2632	† 5137.5	† 8070
2474	2986	† 5207.5	

(a) The frequencies 5207.5 and 8070 kc are also available for unlimited time operation for ship stations operating in the Aleutian Islands waters, west of 165 degrees west longitude.

§ 14.54 *Frequencies for ship stations.*

(a) The following frequency is allocated for use by ship stations in Alaskan waters in addition to those set forth in the general regulations: 2538 kc; A1, A2, A3 emission; maximum power, 100 watts.

(b) The frequency 2134 kc is allocated for use by ship stations in Alaskan waters for communication primarily with Government coast stations for types A1, A2 and A3 emission with a maximum power of 100 watts, upon the condition that no interference will result to other services.

(c) For communication by means of telegraphy with coast stations in Alaska when the coast station transmits on the frequency 2052.5 kc, each ship station shall transmit by means of class A1 emission only on one of its assigned frequencies with the band 2065–2107 kc exclusively, in accordance with the applicable provisions of Part 8 of this chapter.¹² When the ship station is within the territorial waters of Alaska, the maximum plate (anode) input power shall not exceed 150 watts when transmitting on a frequency within this band; this limitation shall apply without regard to the maximum power authorized to be used on such frequencies by the station license.

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, July 30, 1948.

§ 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

¹ See footnote on page 736.

¹² See footnote on page 737.

with the above conditions, and issue a certificate specifying conditions of operation to the party making such request.

Part 16—Land Transportation Radio Services

Subpart A—General Information

- Sec.
16.1 Basis and purpose.
16.2 General limitations on use.
16.3 Cooperative use of facilities.
16.4 General citizenship restrictions.
16.5 Transfer and assignment of station authorization.
16.6 Definition of terms.
16.8 Policy governing the assignment of frequencies.

Subpart B—Applications, Authorizations, and Notifications

- 16.51 Station authorization required.
16.52 Procedure for obtaining a radio station authorization and for commencement of operation.
16.53 Special temporary authority.
16.54 Filing of applications.
16.55 Who may sign applications.
16.56 Standard forms to be used.
16.58 Supplemental information to be submitted with application.
16.59 Partial grant.
16.60 Defective applications.
16.61 Amendment or dismissal of applications.
16.62 Construction period.
16.63 License term.
16.64 Change in authorized stations.
16.65 Discontinuance of station operation.

Subpart C—Technical Standards

- 16.101 Frequencies.
16.102 Frequency stability.
16.103 Types of emission.
16.104 Emission limitations.
16.105 Modulation requirements.
16.106 Power and antenna height.
16.107 Transmitter control requirements.
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Subpart D—Station Operating Requirements

- 16.151 Permissible communications.
16.152 Station identification.
16.153 Suspension of transmissions required.
16.154 Operator requirements.
16.155 Posting of operator license.
16.156 Transmitter identification card and posting of station license.
16.157 Inspection of stations.
16.158 Inspection and maintenance of tower marking and associated control equipment.
16.159 Answers to a notice of violation.
16.160 Station records.

Subpart E—Developmental Operation

- 16.201 Eligibility.
16.202 Showing required.

- Sec.
16.203 Limitations on use.
16.204 Frequencies available for assignment.
16.205 Interference.
16.206 Special provisions.
16.207 Authorization subject to change or cancellation: Supplementary statement required.
16.208 Report of operation.

Subpart F—Intercity Bus Radio Service

- 16.251 Eligibility.
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16.253 Frequencies available for base and mobile stations.
16.254 Frequencies available for fixed stations.

Subpart G—Highway Truck Radio Service

- 16.301 Eligibility.
16.302 Frequencies available for base and mobile stations.
16.303 Frequencies available for fixed stations.

Subpart H—Railroad Radio Service

- 16.351 Eligibility.
16.352 Frequencies available for base and mobile stations.
16.353 Frequencies available for fixed stations.
16.354 Operator requirements, fixed and base stations.
16.355 Relay stations.

Subpart I—Taxicab Radio Service

- 16.401 Eligibility.
16.402 Frequencies available for base and mobile stations.
16.403 Limitation on installation of mobile units.

Subpart J—Urban Transit Radio Service

- 16.451 Eligibility.
16.452 Frequencies available for base and mobile stations.
16.453 Frequencies available for fixed stations.

Subpart K—Automobile Emergency Radio Service

- 16.501 Eligibility.
16.502 Permissible communications.
16.503 Frequencies available for base and mobile stations.

AUTHORITY: §§ 16.1 to 16.503 issued under sec. 4, 48 Stat. 1066, as amended; 47 U. S. C. 154. Interpret or apply secs. 301, 303, 48 Stat. 1081, 1082. as amended; 47 U. S. C. 301, 303.

SOURCE: §§ 16.1 to 16.503 appear at 14 F. R. 2346, May 6, 1949, except as otherwise noted. Reprinted at 18 F. R. 1616, Mar. 21, 1953.

SUBPART A—GENERAL INFORMATION

§ 16.1 *Basis and purpose.* (a) The basis for the rules following in this part is the Communications Act of 1934, as