

128.8 kilometers (80 miles) of the main transmitter antenna of a full service TV station that transmits on a TV channel adjacent to the TV channel which contains the channel on which the offshore station transmits must not exceed the limits in the Table I-2 of § 22.1015. The limits depend upon the height above mean sea level of the offshore transmitting antenna and the distance between the location of the offshore transmitter and the 4.8 kilometer (3 mile) limit.

TABLE I-1—MAXIMUM ERP (WATTS)

Distance	30 meters (100 feet)	45 meters (150 feet)	61 meters (200 feet)
338 km (210 mi)	1000	1000	1000
330 km (205 mi)	1000	900	800
2 km (200 mi)	800	710	630
314 km (195 mi)	590	520	450
306 km (190 mi)	450	400	330
298 km (185 mi)	320	280	240
290 km (180 mi)	250	210	175
282 km (175 mi)	180	150	130
274 km (170 mi)	175	110	100
266 km (165 mi)	95	80	70
258 km (160 mi)	65	55	50
249 km (155 mi)	50	40	35
241 km (150 mi)	35	30	25

§ 22.1015 Repeater operation.

Offshore central stations may be used as repeater stations provided that the licensee is able to maintain control of the station, and in particular, to turn the transmitter off, regardless of whether associated subscriber stations are transmitting at the time.

TABLE I-2—MAXIMUM ERP (WATTS)

Distance from the 4.8 km (3 mi) limit	30 meters (100 feet)	61 meters (200 feet)
6.4 km (4 mi)	25	6
8.0 km (5 mi)	40	10
9.7 km (6 mi)	65	15
11.3 km (7 mi)	100	25
12.9 km (8 mi)	150	35
14.5 km (9 mi)	215	50
16.1 km (10 mi)	295	70
17.7 km (11 mi)	400	100
19.3 km (12 mi)	530	130
20.9 km (13 mi)	685	170
22.5 km (14 mi)	870	215
24.1 km (15 mi)	1000	270
25.7 km (16 mi)	1000	415
27.4 km (17 mi)	1000	505
29.0 km (18 mi)	1000	610
30.6 km (19 mi)	1000	730
32.2 km (20 mi)	1000	865
33.8 km (21 mi)	1000	1000

§ 22.1025 Permissible communications.

Offshore central stations must communicate only with subscriber stations (fixed, temporary-fixed, mobile and airborne). Offshore subscriber stations must normally communicate only with and through offshore central stations. Stations in the Offshore Radiotelephone Service may communicate through relay stations authorized in this service.

§ 22.1031 Temporary fixed stations.

The FCC may, upon proper application therefor, authorize the construction and operation of temporary fixed stations in the Offshore Radiotelephone service to be used only when the service of permanent fixed stations is disrupted by storms or emergencies or is otherwise unavailable.

(a) *Six month limitation.* If it is necessary for a temporary fixed station to remain at the same location for more than six months, the licensee of that station must apply for authorization to operate the station at the specific location at least 30 days before the end of the six month period.

(b) *International communications.* Communications between the United States and Mexico must not be carried using a temporary fixed station without prior authorization from the FCC. Licensees desiring to carry such communications should apply sufficiently in advance to allow for the time necessary to coordinate with Canada or Mexico.

§ 22.1035 Construction period.

The construction period (see § 22.142) for offshore stations is 18 months.

§ 22.1037 Application requirements for offshore stations.

Applications for new Offshore Radiotelephone Service stations must contain an exhibit showing that:

(a) The applicant has notified all licensees of offshore stations located within 321.8 kilometers (200 miles) of the proposed offshore station, by providing the following data, at least 30 days before filing the application:

(1) The name, business address, channel coordinator, and telephone number of the applicant;

Pt. 24

47 CFR Ch. I (10–1–14 Edition)

- (2) The location and geographical coordinates of the proposed station;
 - (3) The channel and type of emission;
 - (4) The height and type of antenna;
 - (5) The bearing of the main lobe of the antenna; and,
 - (6) The effective radiated power.
- (b) The proposed station will not interfere with the primary ORS channels by compliance with the following separations:
- (1) Co-channel to a distance of 241.4 kilometers (150 miles).

(2) If interstitial channels are used, adjacent channels (± 12.5 kHz) to a distance of 80.5 kilometers (50 miles).

(3) Third order intermodulation channels (± 12.5 kHz) to a distance of 32.2 kilometers (20 miles).

(4) If the proposed transmitting antenna site is located west of longitude W.93°40', and within 32.2 kilometers (20 miles) of the shoreline, and proposed use of the channels listed in §22.1007(b), no third-order intermodulation interference would be caused to any base or mobile station using the channels between 488 and 494 MHz.

PART 24—PERSONAL COMMUNICATIONS SERVICES

Subpart A—General Information

- Sec.
- 24.1 Basis and purpose.
- 24.2 Other applicable rule parts.
- 24.3 Permissible communications.
- 24.5 Terms and definitions.
- 24.9 Operation of certificated signal boosters.

Subpart B—Applications and Licenses

GENERAL FILING REQUIREMENTS

- 24.10 Scope.
- 24.11 Initial authorization.
- 24.12 Eligibility.
- 24.15 License period.
- 24.16 Criteria for comparative renewal proceedings.

Subpart C—Technical Standards

- 24.50 Scope.
- 24.51 Equipment authorization.
- 24.52 RF hazards.
- 24.53 Calculation of height above average terrain (HAAT).
- 24.55 Antenna structures; air navigation safety.

Subpart D—Narrowband PCS

- 24.100 Scope.
- 24.101 [Reserved]
- 24.102 Service areas.
- 24.103 Construction requirements.
- 24.104 Partitioning and disaggregation.
- 24.129 Frequencies.
- 24.130 [Reserved]
- 24.131 Authorized bandwidth.
- 24.132 Power and antenna height limits.
- 24.133 Emission limits.
- 24.134 Co-channel separation criteria.
- 24.135 Frequency stability.

Subpart E—Broadband PCS

- 24.200 Scope.
- 24.202 Service areas.
- 24.203 Construction requirements.
- 24.229 Frequencies.
- 24.232 Power and antenna height limits.
- 24.235 Frequency stability.
- 24.236 Field strength limits.
- 24.237 Interference protection.
- 24.238 Emission limitations for Broadband PCS equipment.

POLICIES GOVERNING MICROWAVE RELOCATION FROM THE 1850–1990 MHZ BAND

- 24.239 Cost-sharing requirements for broadband PCS.
- 24.241 Administration of the Cost-Sharing Plan.
- 24.243 The cost-sharing formula.
- 24.245 Reimbursement under the Cost-Sharing Plan.
- 24.247 Triggering a reimbursement obligation.
- 24.249 Payment issues.
- 24.251 Dispute resolution under the Cost-Sharing Plan.
- 24.253 Termination of cost-sharing obligations.

APPENDIX I TO SUBPART E OF PART 24—A PROCEDURE FOR CALCULATING PCS SIGNAL LEVELS AT MICROWAVE RECEIVERS (APPENDIX E OF THE MEMORANDUM OPINION AND ORDER)

Subpart F—Competitive Bidding Procedures for Narrowband PCS

- 24.301 Narrowband PCS subject to competitive bidding.
- 24.302–24.309 [Reserved]
- 24.320 [Reserved]
- 24.321 Designated entities.

Subpart G—Interim Application, Licensing and Processing Rules for Narrowband PCS

- 24.403 Authorization required.
- 24.404 Eligibility.
- 24.405–24.414 [Reserved]
- 24.415 Technical content of applications; maintenance of list of station locations.