

§ 30.201

be designed so as not to exceed the signal level specified for the particular spectrum block in § 30.204 at the licensee's service area boundary, unless the affected adjacent service area licensees have agreed to a different signal level.

(c) *License term.* The license term for a partitioned license area and for disaggregated spectrum shall be the remainder of the original licensee's license term as provided for in § 30.103.

[81 FR 79937, Nov. 14, 2016, as amended at 82 FR 41548, Sept. 1, 2017]

Subpart C—Technical Standards

§ 30.201 Equipment authorization.

(a) Except as provided under paragraph (c) of this section, each transmitter utilized for operation under this part must be of a type that has been authorized by the Commission under its certification procedure.

(b) Any manufacturer of radio transmitting equipment to be used in these services may request equipment authorization following the procedures set forth in subpart J of part 2 of this chapter. Equipment authorization for an individual transmitter may be requested by an applicant for a station authorization by following the procedures set forth in part 2 of this chapter.

(c) Unless specified otherwise, transmitters for use under the provisions of subpart E of this part for fixed point-to-point microwave and point-to-multipoint services must be a type that has been verified for compliance.

§ 30.202 Power limits.

(a) For fixed and base stations operating in connection with mobile systems, the average power of the sum of all antenna elements is limited to an equivalent isotopically radiated power (EIRP) density of +75dBm/100 MHz. For channel bandwidths less than 100 megahertz the EIRP must be reduced proportionally and linearly based on the bandwidth relative to 100 megahertz.

(b) For mobile stations, the average power of the sum of all antenna elements is limited to a maximum EIRP of +43 dBm.

(c) For transportable stations, as defined in § 30.2, the average power of the

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sum of all antenna elements is limited to a maximum EIRP of +55 dBm.

(d) For fixed point-to-point and point-to-multipoint limits see § 30.405.

§ 30.203 Emission limits.

(a) The conductive power or the total radiated power of any emission outside a licensee's frequency block shall be -13 dBm/MHz or lower. However, in the bands immediately outside and adjacent to the licensee's frequency block, having a bandwidth equal to 10 percent of the channel bandwidth, the conductive power or the total radiated power of any emission shall be -5 dBm/MHz or lower.

(b)(1) Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater.

(2) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the licensee's frequency block edges as the design permits.

(3) The measurements of emission power can be expressed in peak or average values.

(c) For fixed point-to-point and point-to-multipoint limits see § 30.404.

§ 30.204 Field strength limits.

(a) *Base/mobile operations:* The predicted or measured Power Flux Density (PFD) from any Base Station operating in the 27.5–28.35 GHz band, 37–38.6 GHz band, and 38.6–40 GHz bands at any location on the geographical border of a licensee's service area shall not exceed -76 dBm/m²/MHz (measured at 1.5 meters above ground) unless the adjacent affected service area licensee(s) agree(s) to a different PFD.

(b) *Fixed point-to-point operations.* (1) Prior to operating a fixed point-to-point transmitting facility in the 27,500–28,350 MHz band where the facilities are located within 20 kilometers of the boundary of the licensees authorized market area, the licensee must complete frequency coordination in accordance with the procedures specified in § 101.103(d)(2) of this chapter with respect to neighboring licensees that may be affected by its operations.

(2) Prior to operating a fixed point-to-point transmitting facility in the

37,000–40,000 MHz band where the facilities are located within 16 kilometers of the boundary of the licensees authorized market area, the licensee must complete frequency coordination in accordance with the procedures specified in §101.103(d)(2) of this chapter with respect to neighboring licensees that may be affected by its operations.

§ 30.205 Federal coordination requirements.

(a) Licensees in the 37–38 GHz band located within the zones defined by the coordinates in the tables below must coordinate their operations with Federal Space Research Service (space to Earth) users of the band via the Na-

tional Telecommunications and Information Administration (NTIA). All licensees operating within the zone defined by the 60 dBm/100 MHz EIRP coordinates in the tables below must coordinate all operations. Licensees operating within the area between the zones defined by the 60 dBm and 75 dBm/100 MHz EIRP coordinates in the tables below must coordinate all operations if their base station EIRP is greater than 60 dBm/100 MHz or if their antenna height exceeds 100 meters above ground level. Licensees operating outside the zones defined by the 75 dBm/100 MHz EIRP coordinates in the tables below are not required to coordinate their operations with NTIA.

TABLE 1 TO PARAGRAPH (a): GOLDSTONE, CALIFORNIA COORDINATION ZONE

60 dBm/100 MHz EIRP		75 dBm/100 MHz EIRP	
Latitude/Longitude (decimal degrees)	Latitude/Longitude (decimal degrees)	Latitude/Longitude (decimal degrees)	Latitude/Longitude (decimal degrees)
34.69217/–115.6491	34.19524/–117.47963	34.69217/–115.6491	34.19524/–117.47963
35.25746/–115.32041	34.24586/–117.36210	35.25746/–115.32041	34.24586/–117.36210
36.21257/–117.06567	35.04648/–117.03781	36.11221/–116.63632	34.21748/–117.12812
36.55967/–117.63691	35.04788/–117.00949	36.54731/–117.48242	34.20370/–116.97024
36.66297/–118.31017	34.22940/–117.22327	36.73049/–118.33683	34.12196/–116.93109
36.06074/–118.38528	34.20370/–116.97024	36.39126/–118.47307	34.09498/–116.75473
35.47015/–118.39008	34.12196/–116.93109	36.36891/–118.47134	34.13603/–116.64002
35.40865/–118.34353	34.09498/–116.75473	35.47015/–118.39008	34.69217/–115.6591
35.35986/–117.24709	34.19642/–116.72901	35.40865/–118.34353	34.69217/–115.6491
35.29539/–117.21102	34.64906/–116.62741	35.32048/–117.26386	
34.67607/–118.55412	34.44404/–116.31486	34.63725/–118.96736	
34.61532/–118.36919	34.52736/–116.27845	34.55789/–118.36204	
34.91551/–117.70371	34.76685/–116.27930	34.51108/–118.15329	
34.81257/–117.65400	34.69217/–115.6591	34.39220/–118.28852	
34.37411/–118.18385	34.69217/–115.6491	34.38546/–118.27460	
34.33405/–117.94189	34.37524/–118.24191	
34.27249/–117.65445	34.37039/–118.22557	

TABLE 2 TO PARAGRAPH (a)—SOCORRO, NEW MEXICO COORDINATION ZONE

60 dBm/100 MHz EIRP		75 dBm/100 MHz EIRP
Latitude/longitude (decimal degrees)	Latitude/longitude (decimal degrees)	Latitude/longitude (decimal degrees)
34.83816/–107.66828	33.44401/–108.67876	33.10651/–108.19320
34.80070/–107.68759	33.57963/–107.79895	33.11780/–107.99980
34.56506/–107.70233	33.84552/–107.60207	33.13558/–107.85611
34.40826/–107.71489	33.85964/–107.51915	33.80383/–107.16520
34.31013/–107.88349	33.86479/–107.17223	33.94554/–107.15516
34.24067/–107.96059	33.94779/–107.15038	33.95665/–107.15480
34.10278/–108.23166	34.11122/–107.18132	34.08156/–107.18137
34.07442/–108.30646	34.15203/–107.39035	34.10646/–107.18938
34.01447/–108.31694	34.29643/–107.51071	35.24269/–107.67969
33.86740/–108.48706	34.83816/–107.66828	34.06647/–108.70438
33.81660/–108.51052		33.35946/–108.68902
33.67909/–108.58750		33.29430/–108.65004
33.50223/–108.65470		33.10651/–108.19320