Federal Communications Commission

\$40 million for the preceding three years.

(2) A very small business is an entity that, together with its affiliates, its controlling interests, the affiliates of its controlling interests, and the entities with which it has an attributable material relationship, has average gross revenues not exceeding \$15 million for the preceding three years.

(b) Bidding credits. A winning bidder that qualifies as a small business as defined in this section or a consortium of small businesses may use the bidding credit specified in \$1.2110(f)(2)(iii) of this chapter. A winning bidder that qualifies as a very small business as defined in this section or a consortium of very small businesses may use the bidding credit specified in \$1.2110(f)(2)(ii) of this chapter.

[78 FR 8270, Feb. 5, 2013]

Relocation of Incumbents

§27.1111 Relocation of fixed microwave service licensees in the 2110– 2150 MHz band.

Part 22, subpart E and part 101, subpart B of this chapter contain provisions governing the relocation of incumbent fixed microwave service licensees in the 2110-2150 MHz band.

[71 FR 29835, May 24, 2006]

PROTECTION OF INCUMBENT OPERATIONS

§27.1131 Protection of Part 101 operations.

All AWS licensees, prior to initiating operations from any base or fixed station, must coordinate their frequency usage with co-channel and adjacent channel incumbent, Part 101 fixedpoint-to-point microwave licensees operating in the 2110–2155 MHz and 2180– 2200 MHz bands. Coordination shall be conducted in accordance with the provisions of §24.237 of this chapter.

[78 FR 8270, Jan. 5, 2013]

§27.1132 Protection of incumbent operations in the 2150–2160/62 MHz band.

All AWS licensees, prior to initiating operations from any base or fixed sta-

tion, shall follow the provisions of \$27.1255 of this part.

[71 FR 29835, May 24, 2006]

§27.1133 Protection of Part 74 and Part 78 operations.

AWS operators must protect previously licensed Broadcast Auxiliary Service (BAS) or Cable Television Radio Service (CARS) operations in the adjacent 2025-2110 MHz band. In satisfving this requirement AWS licensees must, before constructing and operating any base or fixed station, determine the location and licensee of all BAS or CARS stations authorized in their area of operation, and coordinate their planned stations with those licensees. In the event that mutually satisfactory coordination agreements cannot be reached, licensees may seek the assistance of the Commission, and the Commission may, at its discretion, impose requirements on one or both parties.

§27.1134 Protection of Federal Government operations.

(a) Protection of Department of Defense operations in the 1710-1755 MHz band. The Department of Defense (DoD) operates communications systems in the 1710-1755 MHz band at 16 protected facilities, nationwide, AWS licensees must accept any interference received from these facilities and must protect the facilities from interference. AWS licensees shall protect the facilities from interference by restricting the operation of their base and fixed stations from any locations that could potentially permit AWS mobile, fixed, and portable stations transmitting in the 1710-1755 MHz band to cause interference to government operations within the radii of operation of the 16 facilities (the radii of operation of each facility is indicated in the third column of Table 1 immediately following paragraph (a)(3) of this section). In addition, AWS licensees shall be required to coordinate any operations that could permit mobile, fixed, and portable stations to operate in the specified areas of the 16 facilities, as defined in paragraph (a)(3) of this section. Protection of these facilities in this manner shall take place under the following conditions:

§27.1134

(1) At the Yuma, Arizona and Cherry Point, North Carolina facilities, all operations shall be protected indefinitely.

(2) At the remaining 14 facilities, airborne and military test range operations shall be protected until such time as these systems are relocated to other spectrum, and precision guided munitions (PGM) operations shall be protected until such time as these systems are relocated to other spectrum or until PGM inventory at each facility is exhausted, whichever occurs first.

(3) AWS licensees whose transmit operations in the 1710–1755 MHz band consist of fixed or mobile operations with nominal transmit EIRP values of 100 mW or less and antenna heights of 1.6

47 CFR Ch. I (10–1–13 Edition)

meters above ground or less shall coordinate their services around the 16 sites at the distance specified in row a. of Table 2. AWS licensees whose transmit operations in the 1710-1755 MHz band consist of fixed or mobile operations with nominal transmit EIRP values of 1 W or less and antenna heights of 10 meters above ground or less shall coordinate their services around the 16 sites at the distance specified in row b. of Table 2. These coordination distances shall be measured from the edge of the operational distances indicated in the third column of Table 1, and coordination with each affected DoD facility shall be accomplished through the Commander of the facility.

Location	Coordinates	Radius of operation (km)
Cherry Point, NC34°58' N, 076°56' W	120 120 34°07' N, 119°30' W 160 80 80 50 50 50 50 50 50 50	80

TABLE 1—PROTECTED DEPARTMENT OF DEFENSE FACILITIES

1710–1755 MHz transmit operations	
a. EIRP <=100 mW, antenna height <=1.6 m AG	35
b. EIRP <=1 W, antenna height <=10 m AG	55

(b) Protection of non-DoD operations in the 1710–1755 MHz and 1755–1761 MHz bands. Until such time as non-DoD systems operating in the 1710–1755 MHz and 1755–1761 MHz bands are relocated to other spectrum, AWS licensees shall protect such systems by satisfying the appropriate provisions of TIA Telecommunications Systems Bulletin 10– F, "Interference Criteria for Microwave Systems," May, 1994 (TSB 10–F). (c) Protection of Federal Government operations below 1710 MHz. AWS licensees operating fixed stations in the 1710-1755 MHz band, if notified that such stations are causing interference to radiosonde receivers operating in the Meteorological Aids Service in the 1675-1700 MHz band or a meteorological-satellite earth receiver operating in the Meteorological-Satellite Service in the 1675-1710 MHz band, shall be required to modify the stations' location and/or

Federal Communications Commission

§27.1160

technical parameters as necessary to eliminate the interference.

(d) Recognition of NASA Goldstone facility operations in the 2110-2120 MHz band. The National Aeronautics and Space Administration (NASA) operates the Deep Space Network (DSN) in the 2110-2120 MHz band at Goldstone, California (see Table 3). NASA will continue its operations of high power transmitters (nominal EIRP of 105.5 dBW with EIRP up to 119.5 dBW used under emergency conditions) in this band at this location. AWS licensees must accept any interference received from the Goldstone DSN facility in this band.

TABLE J-LOCATION OF THE MASA GOLDSTONE DEEP SPACE TAGLITT	TABLE 3—LOCATION	N OF THE NASA GOLDSTONE	DEEP SPACE FACILITY
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Location	Coordinates	Maximum transmitter output power
Goldstone, California	35°18′ N 116°54′ W	500 kW

(e) Protection of Federal operations in the 2200–2290 MHz band—(1) Default emission limits. Except as provided in paragraph (e)(2) of this section, the following default out-of-band emissions limits shall apply for AWS-4 operations in the 2180–2200 MHz band.

(i) For these AWS-4 operations, the power of any emissions on all frequencies between 2200 and 2290 MHz shall not exceed an EIRP of -100.6 dBW/4 kHz.

(ii) No AWS-4 base station operating in the 2180-2200 MHz band shall be located less than 820 meters from a U.S. Earth Station facility operating in the 2200-2290 MHz band.

(2) Agreements between AWS-4 operators and Federal government entities. The out-of-band emissions limits in paragraph (e)(1) of this section may be modified by the private contractual agreement of licensees of AWS-4 operating authority and Federal government entities operating in the 2200-2290 MHz band. Such agreement shall be transmitted to the Commission by the National Telecommunications and Information Administration (NTIA) of the U.S. Department of Commerce. A licensee of AWS-4 operating authority who is a party to such an agreement must maintain a copy of the agreement in its station files and disclose it, upon request, to prospective AWS-4 assignees, transferees, or spectrum lessees, to Federal operators, and to the Commission.

[69 FR 5716, Feb. 6, 2004, as amended at 73 FR 50571, Aug. 27, 2008; 78 FR 8270, Jan. 5, 2013]

§27.1135 Protection of non-Federal Government Meteorological-Satellite operations.

AWS licensees operating fixed stations in the 1710–1755 MHz band, if notified that such stations are causing interference to meteorological-satellite earth receivers operating in the Meteorological-Satellite Service in the 1675– 1710 MHz band, shall be required to modify the stations' location and/or technical parameters as necessary to eliminate the interference.

§27.1136 Protection of mobile satellite services in the 2000–2020 MHz and 2180–2200 MHz bands.

An AWS licensee of the 2000–2020 MHz and 2180–2200 MHz bands must accept any interference received from duly authorized mobile satellite service operations in these bands. Any such AWS licensees must protect mobile satellite service operations in these bands from harmful interference.

[78 FR 8270, Jan. 5, 2013]

COST-SHARING POLICIES GOVERNING MICROWAVE RELOCATION FROM THE 2110–2150 MHz AND 2160–2200 MHz BANDS

SOURCE: Sections 27.1160 through 27.1174 appear at 71 FR 29835, May 24, 2006, unless otherwise noted.

§27.1160 Cost-sharing requirements for AWS.

Frequencies in the 2110–2150 MHz and 2160–2200 MHz bands listed in §101.147 of this chapter have been reallocated from Fixed Microwave Services (FMS)