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businesses may use the bidding credit specified in § 1.2110(f)(2)(i)(B) of this chapter.

(2) An entity that qualifies as eligible rural service provider or a consortium of rural service providers may use the bidding credit specified in § 1.2110(f)(4) of this chapter.

[80 FR 56817, Sept. 18, 2015]

PROTECTION OF OTHER SERVICES

§ 27.1310 Protection of Broadcast Television Service in the 600 MHz band from wireless operations.

(a) Licensees authorized to operate wireless services in the 600 MHz band must cause no harmful interference to public reception of the signals of broadcast television stations transmitting co-channel or on an adjacent channel.

(1) Such wireless operations must comply with the D/U ratios in Table 5 in OET Bulletin No. 74, Methodology for Predicting Inter-Service Interference to Broadcast Television from Mobile Wireless Broadband Services in the UHF Band ([DATE]) (“*OET Bulletin No. 74*”). Copies of *OET Bulletin No. 74* may be inspected during normal business hours at the Federal Communications Commission, 445 12th St. SW., Dockets Branch (Room CY A09257), Washington, DC 20554. This document is also available through the Internet on the *FCC Home Page* at <http://www.fcc.gov>.

(2) If a 600 MHz band licensee causes harmful interference within the noise-limited contour or protected contour of a broadcast television station that is operating co-channel or on an adjacent channel, the 600 MHz band licensee must eliminate the harmful interference.

(b) A licensee authorized to operate wireless services in the 600 MHz downlink band:

(1) Is not permitted to deploy wireless base stations within the noise-limited contour or protected contour of a broadcast television station licensed on a co-channel or adjacent channel in the 600 MHz downlink band;

(2) Is required to perform an interference study using the methodology in *OET Bulletin No. 74* before deploying or operating wireless base stations within

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the culling distances specified in Tables 7–12 of *OET Bulletin No. 74* from the noise-limited contour or protected contour of such a broadcast television station;

(3) Is required to perform an interference study using the methodology in *OET Bulletin No. 74* when modifying a base station within the culling distances in Tables 7–12 of *OET Bulletin No. 74* that results in an increase in energy in the direction of co-channel or adjacent channel broadcast television station’s contours;

(4) Is required to maintain records of the latest *OET Bulletin No. 74* study for each base station and make them available for inspection to the Commission and, upon a claim of harmful interference, to the requesting broadcasting television station.

(c) A licensee authorized to operate wireless services in the 600 MHz uplink band must limit its service area so that mobile and portable devices do not transmit:

(1) Co-channel or adjacent channel to a broadcast television station within that station’s noise-limited contour or protected contour;

(2) Co-channel to a broadcast television station within five kilometers of that station’s noise-limited contour or protected contour; and

(3) Adjacent channel to a broadcast television station within 500 meters of that station’s noise-limited contour or protected contour.

(d) For purposes of this section, the following definitions apply:

(1) Broadcast television station is defined pursuant to § 73.3700(a)(1) of this chapter;

(2) Noise-limited contour is defined to be the full power station’s noise-limited contour pursuant to § 73.622(e);

(3) Protected contour is defined to be a Class A television station’s protected contour as specified in section 73.6010;

(4) Co-channel operations in the 600 MHz band are defined as operations of broadcast television stations and wireless services where their assigned channels or frequencies spectrally overlap;

(5) Adjacent channel operations are defined as operations of broadcast television stations and wireless services

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where their assigned channels or frequencies spectrally abut each other or are separated by up to 5 MHz.

[80 FR 71743, Nov. 17, 2015]

COORDINATION/NOTIFICATION REQUIREMENTS

§ 27.1320 Notification to white space database administrators.

To receive interference protection, 600 MHz licensees shall notify one of the white space database administrators of the areas where they have commenced operation pursuant to §§ 15.713(j)(10) and 15.715(n) of this chapter.

[80 FR 73085, Nov. 23, 2015]

§ 27.1321 Requirements for operation of base and fixed stations in the 600 MHz downlink band in close proximity to Radio Astronomy Observatories.

(a) Licensees must make reasonable efforts to protect the radio astronomy observatory at Green Bank, WV, Arecibo, PR, and those identified in § 15.712(h)(3) of this chapter as part of the Very Long Baseline Array (VLBA) from interference.

(b) 600 MHz band base and fixed stations in the 600 MHz downlink band within 25 kilometers of VLBA observatories are subject to coordination with the National Science Foundation (NSF) prior to commencing operations. The appropriate NSF contact point to initiate coordination is: Division of Astronomical Sciences, Electromagnetic Spectrum Management Unit, 2415 Eisenhower Avenue, Alexandria, VA 22314; Email: *esm@nsf.gov*.

(c) Any licensee that intends to operate base and fixed stations in the 600 MHz downlink band in locations near the Radio Astronomy Observatory site located in Green Bank, Pocahontas County, West Virginia, or near the Arecibo Observatory in Puerto Rico, must comply with the provisions in § 1.924 of this chapter.

[79 FR 48538, Aug. 15, 2014. Redesignated at 81 FR 4975, Jan. 29, 2016; 85 FR 38740, June 26, 2020]

Subpart O—3.7 GHz Service (3700–3980 MHz)

SOURCE: 85 FR 22882, Apr. 23, 2020, unless otherwise noted.

§ 27.1401 Licenses in the 3.7 GHz Service are subject to competitive bidding.

Mutually exclusive initial applications for licenses in the 3.7 GHz Service are subject to competitive bidding. The general competitive bidding procedures set forth in 47 CFR part 1, subpart Q, will apply unless otherwise provided in this subpart.

§ 27.1402 Designated entities in the 3.7 GHz Service.

(a) *Eligibility for small business provisions*—(1) *Definitions*—(i) *Small business*. A small business is an entity that, together with its affiliates, its controlling interests, and the affiliates of its controlling interests, has average gross revenues not exceeding \$55 million for the preceding five (5) years.

(ii) *Very small business*. A very small business is an entity that, together with its affiliates, its controlling interests, and the affiliates of its controlling interests, has average gross revenues not exceeding \$20 million for the preceding five (5) years.

(2) *Bidding credits*. A winning bidder that qualifies as a small business, as defined in this section, or a consortium of such small businesses as provided in § 1.2110(c)(6) of this chapter, may use a bidding credit of 15 percent, subject to the cap specified in § 1.2110(f)(2)(ii) of this chapter. A winning bidder that qualifies as a very small business, as defined in this section, or a consortium of such very small businesses as provided in § 1.2110(c)(6) of this chapter, may use a bidding credit of 25 percent, subject to the cap specified in § 1.2110(f)(2)(ii) of this chapter.

(b) *Eligibility for rural service provider bidding credit*. A rural service provider, as defined in § 1.2110(f)(4)(i) of this chapter, that has not claimed a small business bidding credit may use the bidding credit of 15 percent specified in § 1.2110(f)(4) of this chapter.