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United States (US) Footnotes

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US380 In the bands 1525–1544 MHz, 1545–1559 MHz, 1610–1645.5 MHz, 1646.5–1660.5 MHz, 2000–2020 MHz, 2180–2200 MHz, and 2483.5–2500 MHz, a non-Federal Government licensee in the mobile-satellite service (MSS) may also operate an ancillary terrestrial component in conjunction with its MSS network, subject to the Commission's rules for ancillary terrestrial components and subject to all applicable conditions and provisions of its MSS authorization.

## PART 25—SATELLITE COMMUNICATIONS

■ 3. The authority citation for part 25 continues to read as follows:

**Authority:** 47 U.S.C. 701–744. Interprets or applies sec. 303, 47 U.S.C. 303. 47 U.S.C. sections 154, 301, 302, 303, 307, 309 and 332, unless otherwise noted.

■ 4. Section 25.117 is amended by adding paragraph (f) to read as follows:

### § 25.117 Modification of station license.

(f) An application for modification of a space station license to add an ancillary terrestrial component to an eligible satellite network will be treated as a request for a minor modification if the particulars of operations provided by the applicant comply with the criteria specified in § 25.149.

■ 5. Section 25.143 is amended by adding paragraphs (i), (j), and (k) to read as follows:

### § 25.143 Licensing provisions for the 1.6/2.4 GHz mobile-satellite service and the 2 GHz mobile-satellite service.

(i) *Incorporation of ancillary terrestrial component base stations into a 1.6/2.4 GHz mobile-satellite service network or a 2 GHz mobile-satellite service network.* Any licensee authorized to construct and launch a 1.6/2.4 GHz or a 2 GHz mobile-satellite system may construct ancillary terrestrial component (ATC) base stations as defined in § 25.201 at its own risk and subject to the conditions specified in this subpart any time after commencing construction of the mobile-satellite service system.

(j) *Pre-operational testing.* An MSS ATC licensee may, without further authority from the Commission, conduct equipment tests for the purpose of making such adjustments and measurements as may be necessary to assure compliance with the terms of the technical provisions of its MSS license, its ATC authorization, the rules and

regulations in this part and the applicable engineering standards. An MSS licensee may not offer ATC service to the public for compensation during pre-operational testing. In order to operate any ATC base stations, such a licensee must meet all the requirements set forth in § 25.149 and must have been granted ATC authority through a modification of its space station license.

(k) *Aircraft.* ATC mobile terminals must be operated in accordance with § 25.136(a). All portable or hand-held transceiver units (including transceiver units installed in other devices that are themselves portable or hand-held) having operating capabilities in the 2000–2020/2180–2200 MHz or 1610–1626.5 MHz/2483.5–2500 MHz bands shall bear the following statement in a conspicuous location on the device: “This device may not be operated while on board aircraft. It must be turned off at all times while on board aircraft.”

■ 6. Section 25.146 is amended by revising the section heading and paragraphs (g), (h), and (i) to read as follows:

### § 25.146 Licensing provisions for the L-Band mobile-satellite service.

(g) *Incorporation of ancillary terrestrial component base station into an L-band Mobile-Satellite Service System.* Any licensee authorized to construct and launch an L-band mobile-satellite system may construct ancillary terrestrial component (ATC) base stations as defined in § 25.201 at its own risk and subject to the conditions specified in this subpart any time after commencing construction of the mobile-satellite service system.

(h) *Pre-operational testing.* An MSS ATC licensee may, without further authority from the Commission, conduct equipment tests for the purpose of making such adjustments and measurements as may be necessary to assure compliance with the terms of the technical provisions of its MSS license, its ATC authorization, the rules and regulations in this part and the applicable engineering standards. An MSS licensee may not offer ATC service to the public for compensation during pre-operational testing. In order to operate any ATC base stations, such a licensee must meet all the requirements set forth in § 25.147 and must have been granted ATC authority through a modification of its space station license.

(i) *Aircraft.* All portable or hand-held transceiver units (including transceiver units installed in other devices that are themselves portable or hand-held) having operating capabilities in the 1626.5–1660.5 MHz and 1525–1559 MHz bands shall bear the following

statement in a conspicuous location on the device: “This device may not be operated while on board aircraft. It must be turned off at all times while on board aircraft.”

■ 7. Section 25.149 is added to read as follows:

### § 25.149 Application requirements for ancillary terrestrial components in the mobile-satellite service networks operating in the 1.5/1.6 GHz, 1.6/2.4 GHz and 2 GHz mobile-satellite service.

(a) Applicants for ancillary terrestrial component authority shall demonstrate compliance with the following through certification or explanatory technical exhibit, as appropriate:

(1) ATC shall be deployed in the forward-band mode of operation whereby the ATC mobile terminals transmit in the MSS uplink bands and the ATC base stations transmit in the MSS downlink bands in portions of the 2000–2020 MHz/2180–2200 MHz bands (2 GHz band), the 1626.5–1660.5 MHz/1525–1559 MHz bands (L-band), and the 1610–1626.5 MHz/2483.5–2500 MHz bands (Big LEO band).

(2) ATC operations shall be limited to certain frequencies:

(i) In the 2000–2020 MHz/2180–2200 MHz bands (2 GHz MSS band), ATC operations are limited to the selected assignment of the 2 GHz MSS licensee that seeks ATC authority.

(ii) In the 1626.5–1660.5 MHz/1525–1559 MHz bands (L-band), ATC operations are limited to the frequency assignments authorized and internationally coordinated for the MSS system of the MSS licensee that seeks ATC authority.

(iii) In the 1610–1626.5 MHz/2483.5–2500 MHz bands (Big LEO band), ATC operations are limited to the 1610–1615.5 MHz, 1621.35–1626.5 MHz, and 2492.5–2498.0 MHz bands and to the specific frequencies authorized for use by the MSS licensee that seeks ATC authority.

(3) ATC operations shall not exceed the geographical coverage area of the mobile-satellite service network of the applicant for ATC authority.

(4) ATC base stations shall comply with all applicable antenna and structural clearance requirements established in part 17 of the Commission's rules.

(5) ATC base stations and mobile terminals shall comply with part 1 of the Commission's rules, Subpart I—Procedures Implementing the National Environmental Policy Act of 1969, including the guidelines for human exposure to radio frequency