

Response to correspondence ref # 24583

Additional information and clarifications for the equipment authorization file FCC ID PS5CT2A
Applicant: BotCorp America
Correspondence Reference Number: 24583
731 Confirmation Number: EA192994

Please provide the Part 25 rule section that allows operation in the 1631.5 - 1660.5 band

The FCC rule in part 25, section 25.216 specifies the operation of METs with uplink frequencies in the band 1610 MHz to 1660.5 MHz.

Section 25.216 has been added by FCC 02-134 report and order, which amends part 25 of the FCC rules, adopted on May 2, 2002 and released on May 14, 2002.

A copy of the Appendix A of the above mentioned report and order, that amends part 25 has been appended to this letter.

Exhibit 11 "GNSS Compliance" on file, submitted along with form 731 for equipment authorization, demonstrates the compliance of the satellite transceiver SSMS CT2A with the amended part 25 rules, section 25.216.

Appendix B of the above mentioned FCC report and order contains the proposed rule change that specifies the mandatory equipment authorization before January 1, 2005 (operating in the band 1610 to 1660.5 MHz) pursuant to the certification procedures prescribed in Part 2, Subpart J, of the Commission rules [proposed amendments to section 25.216].

Cornel Gazdaru
BotCorp Mobilacomm.
Dec 20, 2002

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APPENDIX A

3 Rule Changes

Title 47 of the Code of Federal Regulations, Part 25, is amended as follows:

1. The authority citation for Part 25 continues to read as follows:
Authority: Sections 25.101 to 25.601 issued under Section 4, 48 Stat. 1066, as amended; 47 U.S.C. 154. Interpret or apply Sections 101-104, 76 Stat. 419-427; 47 U.S.C. 701-744; 47 U.S.C. 554.
2. Section 25.213 is amended by deleting Paragraph (b).
3. Section 25.200 is deleted.

4. A new section 25.216 is added and reads as follows:

Section 25.216 *Limits on Emissions from Mobile Earth Stations for Protection of Aeronautical Radionavigation-Satellite Service*

(a) The e.i.r.p. density of emissions from mobile earth stations placed in service on or before July 21, 2002 with assigned uplink frequencies between 1610 MHz and 1660.5 MHz shall not exceed -70 dBW/MHz, averaged over any 20 millisecond interval, in the band 1559-1587.42 MHz. The e.i.r.p. of discrete emissions of less than 700 Hz bandwidth generated by such stations shall not exceed -80 dBW, averaged over 20 milliseconds, in that band.

(b) The e.i.r.p. density of emissions from mobile earth stations placed in service on or before July 21, 2002 with assigned uplink frequencies between 1610 MHz and 1626.5 MHz shall not exceed -64 dBW/MHz, averaged over 20 milliseconds, in the 1587.42-1605 MHz band. The e.i.r.p. of discrete emissions of less than 700 Hz bandwidth generated by such stations shall not exceed -74 dBW, averaged over 20 milliseconds, in the 1587.42-1605 MHz band.

(c) The e.i.r.p. density of emissions from mobile earth stations placed in service after July 21, 2002 with assigned uplink frequencies between 1610 MHz and 1660.5 MHz shall not exceed -70 dBW/MHz, averaged over 20 milliseconds, in the 1559-1605 MHz band. The e.i.r.p. of discrete emissions of less than 700 Hz bandwidth from such stations shall not exceed -80 dBW, averaged over 20 milliseconds, in the 1559-1605 MHz band.

(d) As of January 1, 2005 and from then on, the e.i.r.p. density of emissions from mobile earth stations placed in service on or before July 21, 2002 with assigned uplink frequencies between 1610 MHz and 1660.5 MHz (except Standard A Inmarsat terminals used as Global Maritime Distress and Safety System ship earth stations) shall not exceed -70 dBW/MHz, averaged over 20 milliseconds, in the 1559-1605 MHz band or a level in the 1605-1610 MHz band determined by linear interpolation from -70 dBW/MHz at 1605 MHz to -10 dBW/MHz at 1610 MHz, and the e.i.r.p. of discrete emissions of less than 700 Hz bandwidth from such stations shall not exceed -80 dBW, averaged over 20 milliseconds, in the 1559-1605 MHz band.

(e) The e.i.r.p. density of emissions from mobile earth stations with assigned uplink frequencies between 1990 MHz and 2025 MHz shall not exceed -70 dBW/MHz, averaged over 20 milliseconds, in frequencies between 1559 MHz and 1610 MHz. The e.i.r.p. of discrete emissions of less than 700 Hz bandwidth from such stations shall not exceed -80 dBW, averaged over 20 milliseconds, in frequencies between 1559 MHz and 1605 MHz.

(f) Mobile earth stations placed in service after July 21, 2002 with assigned uplink frequencies in the 1610-1660.5 MHz band shall suppress the power density of emissions in the 1605-1610 MHz band to an extent determined by linear interpolation from -70 dBW/MHz at 1605 MHz to -10 dBW/MHz at 1610 MHz.

NOTE: Operation of mobile earth stations is also subject to all pertinent emissions limits specified in other sections of the Commission's Rules. See Sections 25.202(f) and 25.143(a).