

Waiver Non-Compliant Antenna

Re: Call Sign E000132
.96 Meter Fixed Earth Station
Fixed Satellite Service
Ku-Band 11700 – 12200 and 14000 – 14500 MHz

This previously licensed antenna is a .96 Meter antenna and it does not strictly comply with 25.209 of the FCC Rules and Regulations.

The applicant continues to agree to accept any adjacent satellite interference in the 11/12 GHz receive band as a result of the performance of the antenna. The applicant understands that adjacent satellite interference protection applies only to the extent of the criteria set forth in §25.209. Should the use of this antenna cause interference to other systems; the applicant agrees to terminate transmission upon notice from the Commission.

Per §25.115(h)(4) the earth station applicant certifies that it will continue to limit its pointing error to 0.5.

The antenna pattern contained with this application exceeds the CFR §25.209 sidelobe specification for the sidelobe envelope in the 1° to 2° region. The Max EIRP Density at the Antenna Flange is -15.1 dBW/4KHz. This figure is below the maximum allowed of -14 dBW/4KHz by a margin of 1.1 dB.

Summary

The previously licensed .96 meter antenna exceeds the CFR 25.209 sidelobe specification for the sidelobe envelope in the 1° to 2° region. Outside the main beam, the antenna meets the requirements of 25.209.

The power density restrictions specified by the FCC for small diameter antennas utilizing digital traffic at Ku-Band is -14 dBW/4 kHz. This antenna will operate at a maximum transmit power density of -15.1 dBW/4 kHz.

If the use of this antenna should cause interference to other systems, the applicant will terminate such transmissions immediately upon notice from the FCC or offended parties.