

NON-ROUTINE ANTENNA INFORMATION AND COORDINATION STATEMENT

Non-Routine Antenna Information

The antenna gain pattern of this antenna exceeds the 47 CFR §25.209 sidelobe specification for the sidelobe envelope in the $\pm 1.5^\circ$ to 1.6° region by a maximum of 2.0 dB, at 6 GHz. Outside the main beam, the antenna meets the requirements of Section 25.209. Pursuant to the *Part 25 Earth Station Fifth Report and Order*, the International Bureau has provided a List of Approved Non-Routine Earth Station Antennas that it has authorized for operation in the United States. See <http://www.fcc.gov/ib/sd/nresa/>.

Earth station applicants proposing to use an antenna on this list do not need to attach antenna radiation plots as an exhibit to their applications, as required by Section 25.132 (b)(3) of the Commission's rules, 47 CFR § 25.132 (b)(3). Rather, they need only to provide an attachment to their application citing the particular non-routine earth station antenna they plan to use and an application file number and call sign of a license in which that type of non-routine antenna has been approved.

The Channel Master 2.4m C-band antenna model 243 has been authorized to operate on numerous occasions, including in Call Sign E060258, File No. SES-LIC-20060706-01111. See <http://www.fcc.gov/ib/sd/nresa/>. In that instance, the applicant was granted ALSAT authority and the permissible power spectral density - the relevant measure of potential interference into adjacent satellites and compliance with the Commission's two-degree spacing policy - was 33.9 dBW/4kHz. See *id.* In this application, the applicant proposes a power spectral density level of 25.49 dBW/4kHz, more than 8 dB lower than the previously authorized level for the Channel Master 2.4m antenna.

The reduced power spectral density results from the use of a wider bandwidth carrier and will provide acceptable performance for the antenna with respect to the provision of service and adjacent satellite interference. The applicant also agrees to accept any adjacent satellite interference in the 4 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.

Coordination Statement

The applicant has reviewed Section 25.277 of the Commission's rules and is aware of its coordination obligations in order to transmit in the 5925-6425 MHz band. Because applicant does not presently know the location of its initial location for transmission, it is submitting this application without a prior coordination report and with this statement pursuant to 47 CFR §25.277(f)(2) acknowledging its coordination responsibilities.

In addition, the applicant has reviewed the FCC ULS database, identified less than 100 terrestrial fixed links in the 5925-6425 MHz band in Puerto Rico, and will undertake necessary coordination measures to ensure that co-primary terrestrial services are not adversely affected by its intermittent temporary fixed operations.