Antenna Statement
3.8 Meter Antenna

The 4 GHz antenna pattern contained with this application exceeds the CFR §25.209 sidelobe specification for the sidelobe envelope in the ± 1⁰ to 1.5⁰ region by a maximum of 6 dB, at 4 GHz. Outside the main beam, the antenna meets the requirements of §25.209.

There are currently no satellites located within 1.5⁰ of the applicant's desired satellites.

The applicant agrees to accept any adjacent satellite interference in the 4 GHz receive band as a result of the performance of the antenna in the 1⁰ to 1.5⁰ region. The applicant understands that no adjacent satellite interference protection will be available in the 1⁰ to 1.5⁰ regions. The applicant understands that adjacent satellite interference protection applies only to the extent of the criteria set forth in §25.209.

Earth station applicants proposing to use an antenna on this list will no longer 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 C.F.R. § 25.132 (b)(3). Rather, they need only to provide an attachment to their applications 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, and an application file number and call sign of a license in which that type of non-routine antenna has been approved. Barring any countervailing considerations, the Bureau will consider grant of the application for the non-routine antenna, providing that the applicant proposes the same kinds of services as the operator of the previously authorized antenna, under the same or substantially similar operating conditions, and in some cases, plans to communicate with the same satellites.

The 3.8 meter antenna utilized in this FCC license modification will operate within the parameters of the current license. There is no increase in the EIRP. Based on this information the criteria in the above reference paragraph are satisfied.