

Waiver Non-compliant Antenna

In this application, MCI Communication Services, Inc. (MCI) proposes to employ the General Dynamics 2244 2.4m C-band earth station antenna. This antenna is, in terms of performance, identical to the General Dynamics (formerly Prodelin) 1244 antenna.

The General Dynamics 2244 antenna has been recognized as non-compliant with the antenna performance standards defined in 47 C.F.R. Ch. 1 §25.209. The 2244 antenna does indeed have the same technical performance characteristics as the Prodelin 1244 antenna. Per the instructions set forth in the FCC International Bureau Public Notice DA 09-425 ("International Bureau Establishes Website for List Of Previously Approved Non-Routine Earth Station Antennas"), MCI cites the following non-routine earth station application to serve as a reference for this application: Antenna Manufacturer: GD Satcom Model Number 2244 Reference Application File Number: SES-LIC- 20130805-00692 Reference Call Sign: E130146.

MCI will operate the earth station associated with its' application at a level 6.7 dB below the maximum power density into the antenna defined in 47 C.F.R. Ch. 1 §25.212(d)(2). As such, the maximum EIRP density will not exceed -9.4 dBW/4kHz (calculated as: -2.7 dBW/4kHz – 6.7 dB = -9.4 dBW/4kHz). Furthermore, MCI understands that it is not protected from interference which may result from the General Dynamics 2244 antenna's main lobe and/or side lobe performance characteristics. As such, MCI will only seek protection to the level associated with an antenna meeting the performance standards defined in 47 C.F.R. Ch. 1 §25.209.