

Antenna Statement
General Dynamics
3.8 Meter Antenna 1385

The 6 GHz antenna pattern contained with this application meets the antenna performance standards set forth in CFR §25.209.

The 4 GHz antenna pattern contained with this application exceeds the CFR §25.209 sidelobe specification for the sidelobe envelope in the $\pm 1^\circ$ to 1.5° 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 1.5° 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 1° to 1.5° region. The applicant understands that no adjacent satellite interference protection will be available in the 1° to 1.5° regions. The applicant understands that adjacent satellite interference protection applies only to the extent of the criteria set forth in §25.209.