



June 9, 2005

Federal Communications Commission
International Bureau
445 12th Street, S.W.
Washington, D.C. 20554

To whom it may concern:

This letter certifies that Horizon Satellite LLC is aware that GENERAL DYNAMICS (GD) is seeking FCC authorization to access Horizons 1 at 127WL, as the point of communication, using Ku-band transmit/receive terminals that are not strictly compliant with the FCC 2-degree spacing requirements for off-axis sidelobe gain.¹

Horizons Satellite LLC (Horizons) owns and operates the Horizons 1 satellite at 127 degrees WL, which is licensed by MPHPT of Japan. The Horizons 1 satellite has been placed on the Permitted Space Station List by FCC on November 21, 2003 and, hence, can serve as the point of communication for FCC licensed earth stations, provided that the use of the earth station is consistent with the technical parameters contained in the earth station authorization.

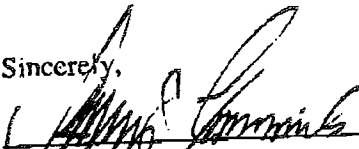
Horizons understands that GENERAL DYNAMICS will be deploying 60 cm circular aperture transmit/receive antennas for a two-way digital service communicating with another properly FCC licensed terminal through the Horizons 1 satellite. This antenna generally exhibits its non-compliance in the region from 1.25 to 2.8 degrees off axis from maximum gain in the transmit band, due to the width of the main gain lobe. This terminal is installed on a moving terrain-vehicle and the antenna is on a stabilized platform having a tracking accuracy of 0.2 degrees towards the intended satellite. The antenna will operate at a maximum input power density at the antenna waveguide flange of -29.0 dBW/4 kHz.

In order to prevent unacceptable interference into adjacent satellites, Horizons has been informed and GENERAL DYNAMICS acknowledges that these antennas will be installed in compliance with the technical, operational and performance requirements of Part 25 of the FCC rules and any requirements set forth in the licenses granted by the FCC for the above sub-meter antennas.

¹ 47 CFR §25.209.

Horizons and GENERAL DYNAMICS acknowledge that the use of the 60-cm non-conforming antennas will not cause unacceptable interference into adjacent satellites in accordance with the FCC's 2-degree spacing policy and will not seek any additional protection compared to the case of an earth station employing an antenna conforming to the reference patterns defined in § 25.209 of the FCC rules.

Sincerely,


James Cunniff
Horizons LLC

Acceptance by GENERAL DYNAMICS:

GENERAL DYNAMICS testifies that the information provided to Horizons and reflected in this Affidavit letter is true and accurate to best of GENERAL DYNAMICS' knowledge.


GENERAL DYNAMICS

16 JUNE 2005

Date

By: TIMOTHY M. SWOYER

Acceptance by Intelsat:

Intelsat agrees to the use of the 60-cm circular-aperture antenna with the respective azimuth angle alignment tolerances towards the intended satellite and the power density levels into the antenna flange as stated in this letter, with respect to with respect to Intelsat's satellites and the associated networks located within $\pm 6^\circ$ from Horizons 1 at 127 W.L.


Ram Manohar
Department Manager
Frequency Management Department
Intelsat GSC