

July 18, 2008



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

Subject. Engineering Certification of Intelsat

To whom it may concern:

This letter certifies that Intelsat is aware of the application filed by General Dynamics SATCOM Technologies, Inc ("GD"), to access various satellites with U.S. coverage licensed by the Federal Communications Commission ("FCC"), using Ku-band transmit/receive antennas that are not strictly compliant with the FCC 2 degree spacing requirements for off-axis sidelobe gain. We understand the specific satellites requested include the following:

<u>Orbital Location (degrees W.L.)</u>	<u>Satellite Name</u>
53	Intelsat 707
58	Intelsat 9
72	AMC-6
74.05	Horizons-2
78.95	AMC-5
83	AMC-9
85	AMC-2
85	AMC-16
87	AMC-3
89	Galaxy 28
91	Galaxy 17
93	Galaxy 26
97	Galaxy 25
99	Galaxy 16
101	AMC-4
103	AMC-1
105.5	AMC-15
127	Horizons-1
129	Galaxy 27

From the list above, Intelsat owns the following satellites:

<u>Orbital Location (degrees W.L.)</u>	<u>Satellite Name</u>
53	Intelsat 707
58	Intelsat 9
74.05	Horizons-2
89	Galaxy 28

91	Galaxy 17
93	Galaxy 26
97	Galaxy 25
99	Galaxy 16
127	Horizons-1
129	Galaxy 27



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Intelsat understands that GD will be deploying various models of antennas manufactured by GD/VertexRSI, in a transmit/receive Vehicle Mounted Earth Station configuration, having apertures from approximately 40 cm to more than 1 Meter. The proposed antennas are not compliant with the FCC part 25 rules. GD has been operating these same classes of satellite earth stations on several of the Intelsat satellites as well as satellites operated by others pursuant to their Experimental License, call sign WD2XSB since 2005 without causing interference.

GD has informed Intelsat that operation on the additional requested satellites will be conducted under the existing Experimental License technical constraints and will be within the off-axis EIRP limits applicable to the operations of Earth Stations on Vessels (ESVs), as contained in Section 25.222 of the FCC rules. Under these conditions, Intelsat is of the view that the emissions from the GD/VertexRSI non-conforming antennas will not cause levels of interference higher than those considered to be acceptable under the FCC 2-degree rules.

In addition, Intelsat and GD will not seek any additional protection compared to the case of an earth station employing an antenna conforming to the patterns defined in Section 25.209 of the FCC rules.

Finally, Intelsat acknowledges that it will include the subject non-conforming earth station operations in all future satellite network coordinations.

Sincerely,

Jose Albuquerque

Jose Albuquerque

Senior Director, Spectrum Engineering
Intelsat

7/18/2008
Date

Acceptance by GD:

Timothy A. Rogers

18 July 2008
Date

GD testifies that the information provided to Intelsat and reflected in this Affidavit is true and accurate to the best of GD's knowledge.