



June 23, 2008

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

Subject. Engineering Certification of SES Americom

To whom it may concern:

This letter certifies that SES Americom Inc. ("SES") 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
73.95	SBS-6
74	Galaxy 17
74.05	Horizon-2
78.95	AMC-5
83	AMC-9
85	AMC-2
85	AMC-16
87	AMC-3
89	Galaxy 28
91	Galaxy 11
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

SES Americom owns and operates a large number of satellites covering United States territory. The satellites owned and operated by SES Americom within +/- 6 degrees in the orbital arc from the satellites listed above include the following:

<u>Orbital Location (degrees W.L.)</u>	<u>Satellite Name</u>
72	AMC-6
78.95	AMC-5
83	AMC-9
85	AMC-2
85	AMC-16

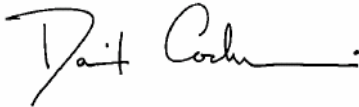
101	AMC-4
103	AMC-1
105.5	AMC-15
125	AMC-21 (to be operational Oct 2008)

SES Americom 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 our AMC-9 satellite as well as satellites operated by others pursuant to their Experimental License, call sign WD2XSB since 2005 without causing interference. Operation on the additional requested satellites will be conducted under the existing Experimental License technical constraints. With the experience gained there, we have confidence in the technical approach to be utilized here.

Furthermore, in order to prevent unacceptable interference into adjacent satellites, SES and GD acknowledge that these antennas will be operated 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 GD/VertexRSI antenna. SES and GD acknowledge that the use of the GD/VertexRSI non-conforming antennas will not cause unacceptable interference into adjacent satellites in accordance with the FCC's 2-degree spacing policy and will accept interference from adjacent satellites at the same levels as that of an earth station employing an antenna conforming to the reference patterns defined in § 25.209 of the FCC rules.

SES Americom will do any inter-system coordination required for use of transponders on the satellites operated by SES Americom. In the event that new satellites become operational at orbital locations 77 degrees W.L. and 81 degrees W.L., SES Americom will do the necessary inter-system coordination with the new satellites.

Sincerely,



David Codacovi  
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 Americom Government Services  
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Acceptance by GD:

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



Timothy Shroyer  
 Chief Technology Officer  
 General Dynamics SATCOM Technologies

- 2 -

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