



December 16, 2008

Via Hand Delivery

Mr. James Burtle
Chief, Experimental Licensing Branch
Office of Engineering and Technology
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

**Re: Lockheed Martin Corporation
File No. 0234-EX-RR-2008**

Dear Mr. Burtle:

The above-referenced application by Lockheed Martin Corporation ("Applicant") seeks an experimental license to test equipment transmitting from 1640.0 – 1800.0 MHz with an Effective Radiated Power ("ERP") of 316 Watts. SkyTerra Subsidiary LLC ("SkyTerra") is the licensee of AMSC-1 and MSV-1, United States satellites licensed by the Commission to provide Mobile Satellite Service ("MSS") in the L band, and provides, *inter alia*, critical communications services to public safety users. The frequencies used by the Applicant include frequencies authorized for and operationally in use by SkyTerra¹ for mobile terminal transmissions to a geostationary satellite at a lower ERP.

Based on a technical review of the application, the proposed testing appears to present a risk of interference to SkyTerra's MSS satellite networks. Accordingly, SkyTerra requests that the Office of Engineering and Technology ("OET") impose the following license condition on any authorization issued to the Applicant with respect to the above-referenced application:

SkyTerra Subsidiary LLC and its joint venture partner, SkyTerra (Canada) Inc., operate geostationary satellites between 101° W.L. and 107.3° W.L. In any direction between those longitudes and within 6° north or south of the geostationary arc, the composite EIRP density from the experimental transmitters shall not exceed -15 dBW/4 kHz.

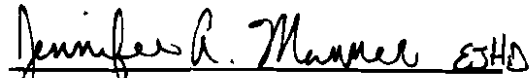
Moreover, if the Applicant's transmissions cause harmful interference, the Applicant must immediately cease such transmissions, as required by the Commission's rules. *See* 47 C.F.R. § 5.85(c) (grant of all experimental authorizations are conditioned on not causing any harmful

¹ SkyTerra is currently authorized to operate in the L-band (1525-1544 MHz & 1545-1559 MHz and 1626.5-1645.5 MHz & 1646.5-1660.5 MHz) frequency assignments, including the 1640.0-1645.5 MHz & 1646.5-1660.5 MHz frequencies in which the Applicant proposes to operate.



interference); *see also* 47 C.F.R. § 5.111. OET should require that the Applicant notify SkyTerra prior to commencing experimental operations and provide SkyTerra with a point of contact for this purpose.

Please contact the undersigned with any questions.



Jennifer A. Manner

Vice President, Regulatory Affairs

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CERTIFICATE OF SERVICE

I, Jennifer A. Manner, hereby certify that on this 16th day of December 2008, I served a true copy of the foregoing by first-class United States mail, postage prepaid, upon the following:

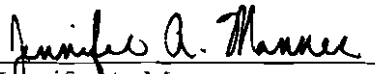
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*By hand delivery