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June 5, 2006

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Via Hand Delivery
Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

**Re: XM Radio Inc.
Application for Modification of Space Station License for XM-1
File No. SAT-MOD-20060501-00052**

Dear Ms. Dortch:

On May 1, 2006, XM Radio Inc. ("XM") filed the above-captioned request to modify the license for its XM-1 satellite to specify operation at the 85.20°W.L. orbital location. *See* File No. SAT-MOD-20060501-00052. Page 2 of the Technical Appendix to this application, under the heading "Interference Analysis," incorrectly stated that a 0.2 degree change in the orbital location of XM-1 from 85°W.L. to 85.20°W.L. would result in a worst-case interference increase of about 0.5 dB for a hypothetical satellite operating at 87.00°W.L. assuming the earth station antenna axis is repointed 0.2 degree west. Attached hereto is an amended paragraph which correctly states that the worst-case interference increase would be 1.1 dB, not 0.5 dB as previously indicated.

Please contact the undersigned with any questions.

Very truly yours,

David S. Konczal

cc: Stephen Duall
Shabnam Javid

Interference Analysis. Other than XM-3 at 85.10°W.L., there are no satellites using either S-band or X-band frequencies within 2 degrees of the 85.20°W.L. orbital location.

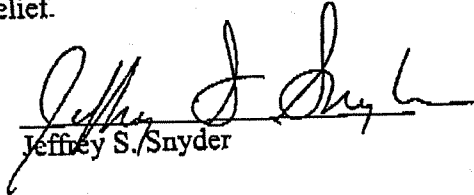
XM does not share S-band spectrum with other satellite systems, thus the precise location of the satellite has no impact on interference among the systems.

In the X-band, the signal transmitted from XM's feeder link earth station site in Washington, DC depends on the characteristics of that station's antenna. At worst, the gain roll-off of that antenna is bounded by $29-25\log(\theta)$. Assuming a hypothetical X-band satellite operating at 87.00°W.L., a 0.20° change in the orbital location of XM-1 from 85°W.L. to 85.20°W.L. results in a worst-case interference increase of about 0.51.1 dB for the hypothetical satellite operating at 87.00°W.L. assuming the earth station antenna axis is repointed 0.2 degree west.

Technical Certification

I, Jeffrey S. Snyder, Senior Vice President, Space Systems, of XM Radio Inc.,
certify under penalty of perjury that:

I am the technically qualified person with overall responsibility for preparation of
the technical information contained in the foregoing. I am familiar with the requirements
of Part 25 of the Commission's rules, and the information contained in the application is
true and correct to the best of my knowledge and belief.


Jeffrey S. Snyder

Dated: June 5, 2006