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FILED ELECTRONICALLY

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
45 L Street N.E.
Washington, D.C. 20554

**Re: Sirius XM Radio Inc. Update Letter on SXM-7 Testing
Call Sign S3033, File No. SAT-STA-20210216-00022**

Dear Ms. Dortch:

Sirius XM Radio Inc. ("Sirius XM"), by its attorney and pursuant to Section 1.65 of the Commission's rules, 47 C.F.R. § 1.65, hereby updates the information on file for the above-referenced application to notify the Commission of a minor change to in-orbit testing ("IOT") that will be conducted on the SXM-7 satellite digital audio radio service ("SDARS") spacecraft as part of efforts to address payload issues that occurred during the initial IOT phase.

Specifically, Sirius XM will be performing tests in which power would be applied to only eight traveling wave tube amplifiers ("TWTAs") instead of the typical sixteen TWTAs powered for a nominal XM channel. This testing configuration results in transmitting a signal in linear polarization rather than circular polarization at a power level 3 dB less than the nominal XM channel. The frequencies used for testing will remain fully within the SDARS band, and out-of-band emissions will not be affected. Based on a review of publicly available sources, the only satellites using the SDARS band within +/- 10 degrees of the IOT location at 120.5° W.L. are operated by Sirius XM affiliates. Accordingly, this IOT change will not adversely affect any other party, nor is it expected to affect the ongoing operations of any other Sirius XM satellite.

Please address any questions regarding this matter to the undersigned.

Respectfully submitted,

/s/ Karis A. Hastings

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