

**Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554**

In the Matter of Application by	)	
	)	
XM Radio LLC	)	File No. SAT-MOD-20260910-00367
	)	Call Sign S2786
For Extension of the XM-5 Satellite	)	
License	)	

APPLICATION OF SIRIUS XM RADIO LLC

XM Radio LLC ("Sirius XM"), a satellite digital audio radio service ("SDARS") licensee, pursuant to Sections 25.117 and 25.121(f) of the Commission's rules,¹ hereby applies to modify its license for the XM-5 satellite, call sign S2786, to extend its license term for an additional five-year term through December 2, 2031. A completed FCC Form 312 is attached, and Sirius XM incorporates by reference the technical information previously provided regarding operations of the XM-5 satellite.² Granting the requested authority will serve the public interest by permitting continued operation of the XM-5 satellite as part of the satellite radio network operated by Sirius XM and its affiliates.³

¹ 47 C.F.R. §§ 25.117 and 25.121(f).

² The most recent technical information submitted relating to the XM-5 satellite is found in ICFS File No. SAT-MOD-20211029-00136.

³ Now that the SXM-11 satellite has been placed into service, the XM-5 serves in a back-up role. *See*, Letter of Sept. 15, 2026 from Jonathan L. Wiener, Attorney for Sirius XM Radio LLC to Marlene H. Dortch, Secretary, FCC, regarding Notification of SXM-11 License Commencement, Call Sign S3233, ICFS File No. SAT-LOA-20250605-00138.

Consistent with Section 1.62 of the Commission's rules,⁴ Sirius XM will continue to operate the XM-5 satellite pursuant to the terms and conditions of its expiring license until the Commission makes a determination with respect to this application.

The XM-5 satellite commenced operations on December 2, 2010, with an initial eight-year license term.⁵ That term was later extended through December 2, 2026.⁶ The XM-5 satellite is currently positioned at 115.25° W.L. with an east-west station-keeping tolerance of +/- 0.1 degrees.⁷

The XM-5 satellite remains capable of fulfilling its intended function throughout the term requested in this license modification application.⁸ Specifically, Sirius XM has calculated that there is ample fuel onboard the XM-5 satellite for the spacecraft to continue providing reliable service for an estimated remaining lifetime through the year 2032. In making these calculations, Sirius XM has assumed that standard station-keeping maneuvers will be performed to maintain the spacecraft within its existing east-west and north-south station-keeping tolerances.⁹ In addition, Sirius XM has made

⁴ 47 C.F.R. § 1.62.

⁵ See *Stamp Grant*, XM Radio Inc., FCC Call sign S2786, ICFS File No. SAT-LOA-20090217-00025 (granted Aug. 31, 2009).

⁶ *Stamp Grant*, XM Radio LLC, FCC Call sign S2786, ICFS File No. SAT-MOD-20180831-00065 (granted Nov. 1, 2018).

⁷ *Stamp Grant*, XM Radio LLC, FCC Call sign S2786, ICFS File No. SAT-MOD-20211029-00136 (reissued Sep. 23, 2022).

⁸ For reasons of operational efficiency, Sirius XM may determine to take the XM-5 satellite out of service sooner than the extended five-year extended term herein sought.

⁹ The calculations do not assume that the spacecraft will be placed into inclined orbit during the requested extension period.

allowance in its fuel life calculations for the possibility that the satellite could be relocated during the term of the requested extension.¹⁰

The XM-5 satellite's overall health is good and there are no material issues with the spacecraft. There are no single points of failure or other malfunctions, defects, or anomalies during the space station operation that could affect its ability to conduct end-of-life procedures as planned. Without limitation, the satellite's telemetry, tracking and command ("TT&C") links are fully functional.

Sirius XM proposes no change in the XM-5 satellite's operations, which will continue to conform to the technical parameters on file with the Commission, nor does the proposed extension require any alteration in the orbital debris mitigation plans regarding the spacecraft. At the conclusion of the requested extension period, the spacecraft will have sufficient fuel to be placed into disposal orbit at the altitude previously submitted, which complies with Section 25.283 of the Commission's rules.¹¹

Extending the license for the XM-5 satellite will serve the public interest by allowing the spacecraft to continue to provide satellite radio service to Sirius XM's approximately 33 million U.S. customers. In addition, granting the license extension will promote the efficient use of orbital resources.

¹⁰ In the event of such a relocation, the specific impact on the fuel life for the spacecraft will depend on the parameters of the relocation, including the speed of the move.

¹¹ 47 C.F.R. §25.283.

For the foregoing reasons, Sirius XM hereby respectfully requests that the Commission extend the license for the XM-5 satellite through December 2, 2031.

Respectfully submitted,

XM RADIO LLC

/s/ James S. Blitz

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Technical Certification

I, Bridget Neville, Senior Vice President, Chief Media Technology and Operations Officer for Sirius XM Radio LLC, parent company of XM Radio LLC, hereby 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 application. I am familiar with the technical requirements of Part 25 of the Commission's rules, and the information contained in the application is complete and accurate to the best of my knowledge, information and belief.

/s/ Bridget Neville
Bridget Neville

September 17, 2026