

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

In the Matter of	)	
	)	
SES AMERICOM, INC.	)	File No. SAT-MOD-_____
	)	Call Sign S2135
Application for Modification of AMC-4	)	
Fixed-Satellite Space Station License	)	

APPLICATION OF SES AMERICOM, INC.

SES Americom, Inc. (“SES”) respectfully requests a modification of its license for the AMC-4 fixed-satellite space station to extend the license term to January 31, 2026. The requested extension will serve the public interest by enabling SES to continue to offer service using AMC-4 at the 134.9° W.L. orbital location. A completed FCC Form 312 is attached, and SES incorporates by reference the information previously provided in support of AMC-4.¹

MODIFICATION

AMC-4 is a U.S.-licensed hybrid C/Ku-band satellite operating in inclined orbit at 134.9° W.L.² with a license term that expires on February 28, 2022. SES requests an extension of the AMC-4 License term to January 31, 2026. SES has calculated that there is sufficient fuel onboard AMC-4 for the spacecraft to continue providing reliable service during the proposed extended license term and to deorbit the spacecraft consistent with the orbital debris mitigation plan the Commission has previously approved for the satellite.³ In making these calculations,

¹ The most recent technical information regarding AMC-4 is found in File No. SAT-MOD-20170518-00073 (“AMC-4 Modification”), granted July 31, 2017 (“AMC-4 License”).

² See Letter of Petra A. Vorwig, SES Vice President, Legal & Regulatory Affairs, to Marlene H. Dortch, Secretary, Federal Communications Commission, Call Sign S2135, filed Sept. 23, 2020.

³ See AMC-4 Modification, Technical Appendix at 4-5 & n.4.

SES has assumed that standard east-west station keeping maneuvers will be performed to maintain AMC-4 within its existing tolerance of ± 0.05 degrees.

As SES has previously reported to the Commission, the AMC-4 satellite has experienced solar array circuit failures that have affected the total power available to the spacecraft. Apart from these issues, the satellite's overall health is good, with all satellite subsystems satisfactorily supporting mission requirements. There is no single point of failure in the satellite's design; and there is no problem with the satellite's Telemetry, Tracking and Command ("TT&C") links, including the back-up TT&C links. As a result, extending the license term for AMC-4 will serve the public interest by allowing SES to continue to use the spacecraft to provide service to customers, promoting the efficient use of satellite and orbital resources.

For the foregoing reasons, SES seeks a modification of the AMC-4 License to extend the satellite's license term through January 31, 2026.

Respectfully submitted,

SES AMERICOM, INC.

By: /s/ Daniel C.H. Mah

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Dated: December 17, 2021