

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

In the Matter of Application by)
)
SES AMERICOM, INC.) Call Sign _____
For Special Temporary Authority to)
Test E160022)

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

By this application, SES Americom, Inc. (“SES Americom”), respectfully requests earth station special temporary authority (“STA”) for a period of up to 30 days commencing August 7, 2017, to permit SES Americom to test its newly constructed antenna located at SES Americom’s South Mountain, California facility, which is described in File No. SES-MOD-20170601-00617 (Call Sign E160022). Specifically, SES Americom requests authority to conduct brief transmissions in the following bands with AMC-16 (Call Sign S2181) to test that the antenna performs in compliance with SES’s specifications and Commission rules:

Transmit	Receive
28.4-28.6 GHz	18.58-18.8 GHz
29.5-30 GHz	19.7-20.2 GHz

A full description of the proposed operations is provided in Attachment 1.

SES Americom received authority to operate the above referenced antenna with the SES-15 satellite and other satellites on the Permitted Space Station List in July 2016,¹ and

¹ SES Americom, Inc., (Call Sign E160022), File No. SES-LIC-20160209-00124, granted July 13, 2016.

recently submitted an application to modify the license to reflect a larger antenna.² That application remains pending.

Grant of STA Will Serve the Public Interest. Grant of SES Americom's request to test its new antenna is in the public interest. Such testing is necessary to ensure both that the antenna is operating within SES specifications but also within the limits of the Commission's rules. Ensuring proper operations is necessary to avoid harmful interference in the future.

No Harmful Interference. The transmissions associated with the proposed antenna tests will not cause harmful interference to the operations of any other spacecraft or terrestrial operators. The antenna will communicate with a U.S. licensed spacecraft, AMC-16 in the conventional Ka-bands. In addition, and in any event, SES Americom will conduct all test operations on a non-harmful interference basis, and will cease transmissions promptly in the event any harmful interference is caused by such operations.

SES Americom hereby certifies that no party to this application is subject to a denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862.

² SES Americom, Inc., (Call Sign E160022), File No. SES-MOD-20170601-00617, filed June 1, 2017.

For the foregoing reasons, SES Americom respectfully requests special temporary authority to communicate with AMC-16 to test its new Ka-band antenna (Call Sign E160022) for a period of up to 30 days, commencing August 7, 2017.

Respectfully submitted,

SES AMERICOM, INC.

By: /s/ Petra A. Vorwig

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Dated: July 28, 2017

Attachment 1

Below is a description of the test operations for which SES Americom seeks special temporary authority:

Site Location: Call Sign E160022

Particulars of Operation

Frequency	Polarization	Emission	Tx/Rx Mode	Max EIRP/Carrier (dBW/MHz)	Max EIRP Density (dBW/4kHz)
18.58-18.8 GHz	LHCP	N0N	Rx		
19.7-20.2 GHz	LHCP	N0N	Rx		
28.4-28.6 GHz	RHCP	N0N	Tx	68.9	45
29.5-30.0 GHz	RHCP	N0N	Tx	68.9	45