

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

In the Matter of	)	
	)	
SES AMERICOM, INC.	)	Call Sign E050287 & E920698
	)	
Application for Special Temporary Authority to	)	
Perform Orbit Raising Maneuvers for ASTRA 3A	)	

REQUEST OF SES AMERICOM, INC.

SES Americom, Inc. (“SES”) respectfully requests special temporary authority (“STA”) for a period of 30 days beginning no later than November 14, 2022 to permit SES to use earth stations E050287 and E920698 to provide telemetry, tracking and command (“TT&C”) for the Luxembourg-authorized ASTRA 3A satellite, located at 86.8° W.L., during orbit raising maneuvers to move the satellite into disposal orbit.

SES’s affiliate, SES ASTRA S.A., holds an authorization from the Luxembourg Ministry of State, Office of Media and Communications¹ for ASTRA 3A and has requested that SES assist with retirement of the spacecraft.

The Commission has authorized SES to use its E050287 and E920698 earth stations to perform TT&C services for ASTRA 3A.² The proposed orbit raising operations will use the same frequencies and conform to the operational parameters previously authorized.³ SES

¹ Ministère d’État, Service des Médias et des Communications of the Grand Duchy of Luxembourg.

² SES Americom, Inc., Call Sign E050287, File No. SES-MFS-20160624-00607, granted August 23, 2016; SES Americom, Inc., Call Sign E920698, File No. SES-MFS-20191208-01643, granted June 15, 2022.

³ The ASTRA 3A TT&C frequencies are as follows:

Telecommand:	14499 MHz vertical polarization
Telemetry:	11450.25 MHz horizontal polarization
	11699.50 MHz horizontal polarization

In compliance with Section 25.202(g)(1) of the Commission’s rules, the proposed TT&C operations will cause no greater interference and require no greater protection from harmful interference than would communications traffic in these bands.

incorporates by reference the information previously provided, including SES's request for limited waivers of Sections 25.137, 25.114, 25.210(j), and 47 C.F.R. § 2.106 NG52.

Grant of this Application Will Serve the Public Interest. Grant of this request is in the public interest as it will facilitate the safe orbit raising and retirement of ASTRA 3A.

No Harmful Interference to Other Spacecraft. TT&C transmissions during orbit raising of ASTRA 3A will be on a non-harmful interference basis and will be coordinated with other satellite operators consistent with industry practice.⁴ Apart from SES-2 and AMC-18, both of which are operated by SES affiliates, the nearest satellites to 86.8° W.L. with Ku-band operations are Intelsat's Galaxy 28 at 89.0° W.L. SES certifies in Attachment 1 that the satellite will comply with the Commission's two-degree spacing requirements with respect to Galaxy 28.

SES 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.

For the foregoing reasons, SES seeks STA for its E050287 and E920698 earth station licenses to communicate with ASTRA 3A beginning no later than November 14, 2022 to enable SES to support orbit raising maneuvers to move the ASTRA 3A satellite into disposal orbit.

SES AMERICOM, INC.

By: /s/ Kelsie Rutherford

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Dated: October 27, 2022

⁴ The 24/7 point of contact for the proposed ASTRA 3A operations is the SES Payload Management Operations Centre (PMOC) in Woodbine, MD, 1 410 970 7580; e-mail: PMOC@ses.com.

Attachment 1: TT&C Emission Characteristics for E050287 and E920698

1. E050287 Site Location

2323 Grimville Road
(Woodbine)
Mt. Airy, Carroll, MD, 21771

Latitude: 39° 22' 37.1" N
Longitude: 77° 4' 49.1" W
Elevation (meters): 198.12

Antenna ID: WB K8
Max Gains(s): 61.5 dBi at 12.2 GHz; 63.5 dBi at 14.5 GHz; 62.0 dBi at 11.325 GHz
Maximum total input power at antenna flange (Watts): 238.78
Maximum aggregate output EIRP for all carriers (dBW): 87.3

1. E920698 Site Location

2323 Grimville Road
(Woodbine)
Mt. Airy, Carroll, MD, 21771

Latitude: 39° 22' 33.0" N
Longitude: 77° 4' 54.0" W
Elevation (meters): 175.3

Antenna ID: 1
Max Gains(s): 59.2 dBi @ 12.0000 GHz 60.2 dBi @ 14.0000 GHz
Maximum total input power at antenna flange (Watts) = 1029
Maximum aggregate output EIRP for all carriers (dBW) = 90.3

2. TT&C Frequencies

The ASTRA 3A TT&C frequencies are as follows:

Telecommand: 14499 MHz vertical polarization
Telemetry: 11450.25 MHz horizontal polarization
11699.50 MHz horizontal polarization

3. Points of Communication

Common Name: ASTRA 3A
Orbital Location: 86.8° W.L.

4. Part 25.140 Certification

With respect to proposed operation in the conventional or extended Ku-bands, SES certifies that the downlink EIRP density will not exceed 14 dBW/4kHz for digital transmissions and that associated uplink operation will not exceed applicable EIRP density envelopes in §25.218, §25.222(a)(1), §25.226(a)(1), or §25.227(a)(1) unless the non-routine uplink and/or

downlink operation is coordinated with operators of authorized co-frequency space stations at assigned locations within six degrees of the orbital location of the proposed space station.