

STAREQUEST FOR SPECIAL TEMPORARY AUTHORITY

SES Americom, Inc. (“SES”) respectfully requests immediate special temporary authority (“STA”) for a period of 60 days to continue operations of an 11 meter C-band antenna at the SES Woodbine teleport in Mt. Airy, MD that was previously licensed under call sign E020096. SES recently discovered that the E020096 license had expired on August 13, 2017, without a timely renewal application having been filed. SES is preparing an application for a new license for the antenna and seeks STA to permit ongoing use of the antenna pending submission of and action on the license application.

Attachment 1 hereto sets forth the technical details of the proposed operations. Consistent with the guidelines in the recent International Bureau public notice,¹ SES has determined the coordinates for the antenna using a GPS-based system, which resulted in a slight shift in the coordinates from what had been licensed under call sign E020096. These corrected coordinates are provided in Attachment 1, along with revised information regarding the site elevation. Apart from these changes, the operational parameters set forth in Attachment 1 conform to the specifications that had been set forth in the E020096 license.²

The operations proposed under the requested STA will not cause harmful interference to any authorized spectrum user. The 11 meter antenna was licensed under call sign E020096 in 2002 after coordination with terrestrial networks and has been in use since then without any interference complaints having been received. Moreover, the antenna is part of a teleport facility with multiple operational antennas, including another 11 meter C-band antenna of the same model licensed under call sign E990136, which remains in effect. Accordingly, no other licensee or applicant was

¹ See International Bureau Addresses Accuracy of Earth Station Location Information in IBFS, DA 17-1127 (Nov. 27, 2017).

² Given the need to submit a new application to replace the E020096 license, SES is taking the opportunity to seek updated technical specifications for this antenna in order to provide additional operating flexibility going forward. However, pending grant of a new license, SES seeks STA to operate consistent with the prior E020096 license.

disadvantaged by the lapse in the E020096 license, as all parties were on notice of ongoing operations at the Woodbine site.

Grant of the STA will serve the public interest by permitting continued use of the 11 meter antenna for significant services, including performing telemetry, tracking and command (“TT&C”) necessary to ensure safe operation of SES spacecraft and supporting video distribution relied on by multiple content providers. SES regrets the oversight that allowed the E020096 license to lapse and is undertaking a review and update of its earth station licensing practices to ensure compliance with Commission requirements.

For the foregoing reasons, SES respectfully requests special temporary authority for a period of 60 days to operate the 11 meter antenna as described herein. Grant of this STA is in the public interest as it will enable continuity for TT&C and other important services without creating harmful interference to any other spectrum user.

Attachment 1

Site Details

Contact Information:

Mark Rathert
410-970-7501

Address:

2323 Grimville Rd.
Mt. Airy, MD 21771

Geographic Coordinates:

Latitude: 39° 22' 36.7"N

Longitude: 77° 4' 50.8"W

Site Elevation:

185 meters

Antenna Details

Antenna ID: C6
 Manufacture/Model: Vertex
 Antenna Size: 11.0 meters
 Antenna Gain Transmit: 55.7 dBi at 6.000 GHz
 Antenna Gain Receive: 51.8 dBi at 4.000 GHz
 Height Above Ground Level: 13.32 meters
 Height Above Sea Level: 198.32 meters
 Total Input Power at the Flange: 223.36 watts
 Total EIRP for all carriers: 79.19 dBW

Operational Details

Frequency (GHz)	Transmit/Receive	Polarization	Emissions Designator	Max EIRP per Carrier (dBW)	Max EIRP Density per Carrier (dBw/4kHz)
6422-6425	T	H and V	800KF8W	76	53
6422-6425	T	H and V	800KG7D	76	53
5925-6405	T	H and V	30M0F8W	79	40.4
5925-6425	T	H and V	30M0G7D	79	40.4
3700-4200	R	H and V	800KF8W		
3700-4200	R	H and V	800KG7D		
3700-4200	R	H and V	30M0F8W		
3700-4200	R	H and V	30M0G7D		