

## REQUEST FOR SPECIAL TEMPORARY AUTHORITY

By this application, SES Americom, Inc. (“SES”) respectfully requests special temporary authority (“STA”) for a period of 180 days to operate the station with call sign #E170197, in the Ext. Ku-band frequency on a non-interference basis as the license application to operate the antenna in the frequency has been in pending since 9/20/2017. The carriers in the frequency band will be operated within the EIRP & EIRP density limit as specified in the interference study that was submitted with the license application. The antenna will communicate with SES-14 (call sign S2974), Brazil-licensed satellite that is on the Commission’s Permitted Space Station List. The technical details of the proposed operations are provided below, and the antenna will be operated in compliance with the Commission’s radiation hazard limits. Grant of the requested authority will avoid numerous filings of STAs to allow SES to continue the services offered with the antenna.

### Site Details

#### Contact Information:

Mark Rathert  
410-970-7501

#### Address:

2323 Grmville Rd  
Mt.Airy, MD 21771

#### Geographic Coordinates:

Latitude: 39deg 22’ 36.52”N

Longitude: 77deg 4’49.40”W

#### Site Elevation:

190 meters

### Antenna Details

Antenna ID:	WBN-K13
Manufacture/Model:	General Dynamics/9.0m Casegrain
Antenna Size:	9 meters
Antenna Gain Transmit:	59.9 dBi at 13.8 GHz
Antenna Gain Receive:	58.5 dBi at 11.725 GHz
Height Above Ground Level:	9.7 meters
Height Above Sea Level:	199.7 meters
Total Input Power at the Flange:	750 watts
Total EIRP for all Carriers:	88.65 dBW

## Operational Details

<b>Frequency (MHz)</b>	<b>Transmit/Receive</b>	<b>Polarization</b>	<b>Emissions Designator</b>	<b>Max EIRP per Carrier (dBW)</b>	<b>Max EIRP Density per Carrier (dBW/4kHz)</b>
13780-14000	T	Horizontal and Vertical	72M0G7W	85.0	42.4
13780-14000	T	Horizontal and Vertical	50M2G7W	85.0	44.0
13770-13780	T	Horizontal and Vertical	10M0G7W	73.2	39.2
13770-13780	T	Horizontal and Vertical	6M00G7W	71.0	39.2
13750-14000	T	Horizontal and Vertical	152M G7W	85.0	39.2
13750-14000	T	Horizontal and Vertical	225MG7W	85.0	37.5
13750-14000	T	Horizontal and Vertical	648KG7W	68.0	45.90
13750-13770	T	Horizontal and Vertical	20M0G7W	82.9	45.9