

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

By this application, SES Americom, Inc. (“SES”) respectfully requests special temporary authority (“STA”) (extension of the STA granted until 03/02/2020) for a period of 180 days, starting on 03/03/2020, to operate the earth station with call sign #E170197, in the Ext. Ku-band frequency on a non-interference basis as the license application to operate the earth station in the frequency band is in pending since 9/20/2017.

The earth station will communicate with SES-14 (call sign S2974), Brazil-licensed satellite that is in the Commission’s Permitted Space Station List. The carriers out of the earth station in the frequency band will be operated within the EIRP & EIRP density limit as specified in the interference study that was submitted along with the license application. The technical details of the proposed operations are provided below, and the earth station will be operated in compliance with the Commission’s radiation hazard limits. Grant of the requested authority for 180 days will avoid multiple filings of STA applications to continue the services out of the earth station as the grant of permanent licenses is being awaited.

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

Carrier Details

Frequency (MHz)	Transmit/ Receive	Polarization	Emissions Designator	Max EIRP per Carrier (dBW)	Max EIRP Density per Carrier (dBW/4kHz)
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