

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 station with call sign #E170198, 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 in the frequency band will be operated within the EIRP 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 grant of permanent is being awaited.

Site Details

Contact Information:

Renato Dias
305-514-0001

Address:

10161 Range Line Rd
Port St. Lucie FL 34987

Geographic Coordinates:

Latitude: 27.282 N

Longitude: 80.482 W

Site Elevation:

5 meters

Antenna Details

Antenna ID:	PSL-K1
Manufacture/Model:	General Dynamics/9.0m Casegrain
Antenna Size:	9 meters
Antenna Gain Transmit:	60.1 dBi at 14.125 GHz
Antenna Gain Receive:	58.5 dBi at 11.725 GHz
Height Above Ground Level:	9.7 meters
Height Above Sea Level:	14.7 meters
Total Input Power at the Flange:	750 watts
Total EIRP for all Carriers:	88.85 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	77.5	34.9
13778-14000	T	Horizontal and Vertical	118MG7W	79.6	34.9
13770-13780	T	Horizontal and Vertical	8M17G7W	68.0	34.9
13770-13780	T	Horizontal and Vertical	10M0G7W	68.9	34.9
13750-14000	T	Horizontal and Vertical	8M17G7W	68.0	34.9
13750-13770	T	Horizontal and Vertical	20M0G7w	71.90	34.9