

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 #E170198, in the Ext. Ku-band frequency on a non-interference basis as the license application 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 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:

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 |

Operational 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 |
| 13750-14000 | T | Horizontal and Vertical | 8M17G7W | 68.0 | 34.9 |
| 13750-13770 | T | Horizontal and Vertical | 20M0G7w | 71.90 | 34.9 |