

## **REQUEST FOR SPECIAL TEMPORARY AUTHORITY**

By this application, SES Americom, Inc. (“SES”) respectfully requests special temporary authority (“STA”) for a period of 60 days starting from 17<sup>th</sup> August 2019 to continue the services out of the earth station with call sign #E190099, on non-interference and unprotected basis as the application for permanent license for the station is in pending. The carriers in Ku band frequency (14,000-14,500 MHz) will be operated within the EIRP limit as specified in the license application. The antenna will communicate with NSS-11 which has license granted on 02/26/19 by FCC to operate at 176E longitude with reference to the File# SAT-PPL-20180815-00062 and call sign # S3037.

NSS-11 downlink (space to earth) operates in the frequency range 12,250 MHz to 12,750MHz. SES seeks a waiver to permit the earth station to receive the signal in this frequency band on an unprotected, non-interference basis.

The technical details of the proposed operations are provided below. The earth station will be operated in compliance with the Commission’s radiation hazard limits and the antenna performance will comply with the gain patterns as specified in section 25.209 (a) and (b).

### **Site Details**

#### **Contact Information:**

Kevin Baker  
1808-638-0073

#### **Address:**

58-350 Kamehameha Highway, Comsat Rd,  
Haleiwa, Honolulu, HI

#### **Geographic Coordinates:**

Latitude: 21 40’ 14.88”N

Longitude: 158deg 1’ 55.72”W

#### **Site Elevation:**

140.0 meters

**Antenna Details**

Antenna ID: Temp 8.1K  
Manufacture/Model: Vertex Comm/8.1m Cassegrain  
Antenna Size: 8.1 meters  
Antenna Gain Transmit: 59.8 dBi at 14.25 GHz  
Antenna Gain Receive: 58.5 dBi at 11.95 GHz  
Height Above Ground Level: 9.0 meters  
Height Above Sea Level: 149 meters  
Total Input Power at the Flange: 350 watts  
Total EIRP for all Carriers: 85.24 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>
12250-12750	R	Horizontal and Vertical	36M0G7W	0.0	0.0
12250-12750	R	Horizontal and Vertical	64K0G7W	0.0	0.0
14000-14500	T	Horizontal and Vertical	36M0G7W	85.24	45.69
14000-14500	T	Horizontal and Vertical	64K0G7W	57.84	45.8