

**REQUEST FOR SPECIAL TEMPORARY AUTHORITY (STA)**

**Service Narrative**

By this application, SES Americom, Inc. (“SES”) respectfully requests special temporary authority (“STA”) for a period of 60 days starting from 15<sup>th</sup> Feb 2020 to provide services using the earth stations with call sign #E190489, 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 earth station shall communicate with the satellites in the permitted list as specified in the license application.

The technical details of the proposed service carriers out of the earth stations are given below. The earth station will be operated in compliance with the Commission’s radiation hazard limits and the antenna performance will comply with the off-axis gain patterns as specified in section 25.209 (a2) and (b).

**Site Details**

**Contact Information:**

Kevin Baker  
1808-469-7104

**Address:**

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

**Geographic Coordinates:**

Latitude: 21deg 40’ 16.4” N

Longitude: 158deg 1’ 52.8” W

**Site Elevation:**

143.0 meters

**Antenna Specifications**

Antenna ID:	SSB-K5 & SSB-K6
Manufacture/Model:	GD Satcom/9mKXX
Antenna Size:	9.0 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:	152.7 meters
Total Input Power at the Flange:	750 watts
Total EIRP for all Carriers:	88.9 dBW

**Services Parameters: Earth Station with Antenna ID: SSB-K5**

<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
12250-12750	R	Horizontal and Vertical	N0N	0.0	0.0
10950-11200	R	Horizontal and Vertical	36M0G7W	0.0	0.0
10950-11200	R	Horizontal and Vertical	64K0G7W	0.0	0.0
10950-11200	R	Horizontal and Vertical	N0N	0.0	0.0
11200-11700	R	Horizontal and Vertical	36M0G7W	0.0	0.0
11200-11700	R	Horizontal and Vertical	64K0G7W	0.0	0.0
11200-11700	R	Horizontal and Vertical	N0N	0.0	0.0
11700-12200	R	Horizontal and Vertical	36M0G7W	0.0	0.0
11700-12200	R	Horizontal and Vertical	64K0G7W	0.0	0.0
11700-12200	R	Horizontal and Vertical	N0N	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
14000-14500	T	Horizontal and Vertical	N0N	52.1	52.1
14000-14500	T	Horizontal and Vertical	800KF9W	58	81.0

**Service Parameters: Earth Station with Antenna ID: SSB-K6**

<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
12250-12750	R	Horizontal and Vertical	N0N	0.0	0.0
10950-11200	R	Horizontal and Vertical	36M0G7W	0.0	0.0
10950-11200	R	Horizontal and Vertical	64K0G7W	0.0	0.0
10950-11200	R	Horizontal and Vertical	N0N	0.0	0.0
11200-11700	R	Horizontal and Vertical	36M0G7W	0.0	0.0
11200-11700	R	Horizontal and Vertical	64K0G7W	0.0	0.0
11200-11700	R	Horizontal and Vertical	N0N	0.0	0.0
11700-12200	R	Horizontal and Vertical	36M0G7W	0.0	0.0
11700-12200	R	Horizontal and Vertical	64K0G7W	0.0	0.0
11700-12200	R	Horizontal and Vertical	N0N	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
14000-14500	T	Horizontal and Vertical	N0N	52.1	52.1
14000-14500	T	Horizontal and Vertical	1M00F9D	76	52.1