

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 180 days, starting from 11 August 2020, to provide services using the earth stations with call sign #E190489, on non-interference and unprotected basis as the application for permanent license is in pending. The carriers in Ku band frequency (13,750-14,500 MHz) shall be operated within the EIRP limits, shall communicate with the satellites in the permitted list as specified in the license application.

The technical parameters of the proposed service carriers out of the earth stations are given below. The earth station shall 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

Frequency (MHz)	Transmit/Receive	Polarization	Emissions Designator	Max EIRP per Carrier (dBW)	Max EIRP Density per Carrier (dBW/4kHz)
12250-12750	R	H/V	36M0G7W	0.0	0.0
12250-12750	R	H/V	64K0G7W	0.0	0.0
12250-12750	R	H/V	N0N	0.0	0.0
14000-14500	T	H/V	36M0G7W	85.2	45.7
14000-14500	T	H/V	64K0G7W	57.8	45.8
14000-14500	T	H/V	N0N	52.1	52.1
14000-14500	T	H/V	800KF9W	58	81.0

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

Frequency (MHz)	Transmit/Receive	Polarization	Emissions Designator	Max EIRP per Carrier (dBW)	Max EIRP Density per Carrier (dBW/4kHz)
12250-12750	R	H/V	36M0G7W	0.0	0.0
12250-12750	R	H/V	64K0G7W	0.0	0.0
12250-12750	R	H/V	N0N	0.0	0.0
10950-11200	R	H/V	36M0G7W	0.0	0.0
10950-11200	R	H/V	64K0G7W	0.0	0.0
10950-11200	R	H/V	N0N	0.0	0.0
11200-11700	R	H/V	36M0G7W	0.0	0.0
11200-11700	R	H/V	64K0G7W	0.0	0.0
11200-11700	R	H/V	N0N	0.0	0.0
11700-12200	R	H/V	36M0G7W	0.0	0.0
11700-12200	R	H/V	64K0G7W	0.0	0.0
11700-12200	R	H/V	N0N	0.0	0.0
14000-14500	T	H/V	72M0G7W	87.1	47.6
14000-14500	T	H/V	36M0G7W	85.2	45.7
14000-14500	T	H/V	64K0G7W	57.8	45.8
14000-14500	T	H/V	N0N	52.1	52.1
14000-14500	T	H/V	1M00F9D	76.0	52.1
13750-14000	T	H/V	1M55F9W	68.0	42.1
13750-14000	T	H/V	72M0G7W	81.8	39.2
13770-13780	T	H/V	10M0G7W	73.3	39.2
13770-13780	T	H/V	6M00G7W	71.0	39.2
13780-14000	T	H/V	72M0G7W	84.7	42.1