



**ATLAS Space Operations, Inc.**  
10850 E. Traverse Highway, Suite 2225  
Traverse City, Michigan 49684-1363

ATLAS Space Operations

E190037

Request for Modification to Add Additional Points of Communication

ATLAS Space Operations, Inc (ATLAS) requests authority to add additional points of communication to the fixed earth station located in Dededo, Guam (Call Sign 190037) utilizing X-band downlink as well as S-band and UHF uplink and downlink frequencies to communicate with FCC approved spacecraft.

ATLAS has provided a Schedule B with complete technical details to facilitate the evaluation of requested additional points of communication. Frequency coordination was completed on September 10, 2021 with no comments. ATLAS also coordinated with the Society of Broadcast Engineers and did not receive any comments.

Below ATLAS has summarized the spacecraft and the associated technical parameters for quick reference.

#### **Additional Points of Communication**

##### **YAM-3 (S3072)**

###### **(1) TT&C uplink**

**Center Frequency:**

**450.2 MHz**

**Emission Designator: 17K0F1D**

**Polarity: LHCP/RCHP**

**Max EIRP Per Carrier (dBW): 29**

**Max EIRP Density Per Carrier (dBW/4 kHz): 20.3**

###### **(2) TT&C Downlink**

**Center Frequency: 401.5 MHz**

**Emission Designator: 34K0F1D**

**Polarity: LHCP/RHCP**

##### **SkySat Constellation (S2912)**

###### **(1) TT&C uplink**

**Center Frequency:**

**2081 MHz**

**2083 Mhz**

**Emission Designator: 124KF1D**

**Polarity: RCHP**

**Max EIRP Per Carrier (dBW): 52**

**Max EIRP Density Per Carrier (dBW/4 kHz): 35**



**(2) TT&C Downlink**

**Center Frequency:**

**8375 MHz**

**8380 Mhz**

**Emission Designator: 256KF1D**

**Polarity: RHCP**

**(3) Payload Downlink**

**Center Frequency:**

**8075 MHz**

**8200 Mhz**

**8325 Mhz**

**Emission Designator: 56M3F1D**

**Polarity: RHCP**

**FalconSat-6 & FalconSat-8**

**(1) TT&C uplink**

**Center Frequency:**

**2109.75 MHz**

**Emission Designator: 10K0G7W**

**Polarity: RHCP**

**Max EIRP Per Carrier (dBW): 52**

**Max EIRP Density Per Carrier (dBW/4 kHz): 40.33**

**(2) TT&C Downlink**

**Center Frequency:**

**2288 MHz**

**Emission Designator: 166KG7W**

**Polarity: RHCP**

If you have any questions regarding FalconSat-6 and/or FalconSat-8 please contact: Patrick Simmons, P.E. at [patrick@genevatech.net](mailto:patrick@genevatech.net).

The use of these frequencies for communications Earth exploration satellite service (EESS) and TT&C is in accordance with the U.S. Table of Frequency Allocations.

This modification will serve the public interest by facilitating efficient use of resources by satellite network operators and service providers, enabling EESS customers to focus on satellite and customer operations by minimizing deployment and/or management of their own ground infrastructure and allowing ATLAS to provide that service. The innovative shared infrastructure solutions provided by ATLAS also help to advance the goals of United States space policy by making commercial space increasingly accessible.



**ATLAS**  
SPACE OPERATIONS

**ATLAS Space Operations, Inc.**  
10850 E. Traverse Highway, Suite 2225  
Traverse City, Michigan 49684-1363

For the reason above, ATLAS respectfully requests that the Commission grant this modification application.

24 hour contact information for the Guam earth station is as follows: +1 832 855 0844

Steve Gaines, +1 231 598 6184, [sgaines@atlasground.com](mailto:sgaines@atlasground.com)

Hanna Pritchard, +1 231 598 6184, [hpritchard@atlasground.com](mailto:hpritchard@atlasground.com)

Operations Office - +1 231 598 6184 x 222 or

+1 877 392 8527 x 222

[ops@atlasground.com](mailto:ops@atlasground.com)