



ATLAS Space Operation, LLC
10850 E. Traverse Highway, Suite 3355
Traverse City, Michigan 49684-1363

April 21, 2023

TO: Ms. Marlene H. Dortch
Secretary, Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554
Re: Request for Special Temporary Authority

Dear Ms. Dortch,

Pursuant to Section 25.120 and rule 1.62 of the Commission's Rules, ATLAS Space Operations, Inc (ATLAS) requests to extend Special Temporary Authority (STA) for up thirty (30) days or until a fixed license is granted, [SES-MOD-20220722-00792](#) and [SES-AMD-20220831-00933](#). ATLAS will continue to operate under the conditions listed in STA grant [SES-STA-20221031-01196](#).

Orbit Parameters

Falconsat-6

NORAD ID: 43815

Inclination: 97.8 degrees

Apogee: 575 km

Perigee: 575 km

Falconsat-8

NORAD ID: 49381

The ATLAS satellite earth station in Guam is required to provide continued TT&C support to the FalconSat-6 and FalconSat-8 satellites given its optimal location with other earth stations around the globe. The continued operation of the satellite earth station in Guam to communicate with the Falconsat satellites is located at 13-30-48.81 N, 144-49-31.1 E (Call Sign E190037).

A brief summary of parameters are below.

Frequencies Sought by This STA

(1) TT&C uplink

Center Frequency:

2109.75 MHz

Updated Emission Designator: 10K0G1D

Polarity: RHCP

Max EIRP Per Carrier (dBW): 45

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

Gain: 35 dBi



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(2) TT&C Downlink

Center Frequency:

2288 MHz

Emission Designator: 166KG1D

Polarity: RHCP

Gain: 35 dBi

Antenna Specifications:

Make: Orbit CS

Model: Gaia 100

Size: 3.7 meter

Continued operation of the Guam earth station will enable frequent, predictable contact with the constellation to support potential collision avoidance and perform orbit maintenance. It is important to protect and maintain the FalconSat-6 and Falconsat-8 satellites in safe and stable orbit; granting the STA will greatly enhance the FalconSat-6 and Falconsat-8 ability to innovate for the Department of Defense and provide valuable education and experience for students of the United States Air Force Academy.

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

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Respectfully Submitted,

Hanna Pritchard
Head of Licensing and Regulatory
ATLAS Space Operations