



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

June 27, 2022

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 of the Commission's Rules, ATLAS Space Operations, Inc (ATLAS) requests Special Temporary Authority (STA) for thirty (30) days or until a fixed license is granted, commencing July 1, 2022 for the continued operation of a satellite earth station in Guam to communicate with the FalconSat-8 Satellite. The Guam earth station is located at 13-30-48.81 N, 144-49-31.1 E (Call Sign E190037).

Orbit Parameters

NORAD ID: 49381

The ATLAS satellite earth station in Guam is required to provide continued TT&C support to the FalconSat-8 Satellite given its optimal location with other earth stations around the globe. The additional points of communication have completed coordinated with the local license holders and an interference analysis report has been attached to this filing. ATLAS has also already coordinated with the local Society of Broadcast Engineers. A brief summary of parameters are below.

Frequencies Sought by This STA

(1) TT&C uplink

Center Frequency:

2109.75 MHz

Emission Designator: 10K0G7W

Polarity: RHCP

Max EIRP Per Carrier (dBW): 45

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

Gain: 35 dBi

(2) TT&C Downlink

Center Frequency:

2288 MHz

Emission Designator: 166KG7W



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Polarity: RHCP

Gain: 35 dBi

Antenna Specifications:

Make: Orbit CS

Model: Gaia 100

Size: 3.7 meter

Operation of the Guam earth station from July 1, 2022 will enable continued frequent, predictable contact with the satellite to support potential collision avoidance and perform orbit maintenance. It is important to protect and maintain the FalconSat-8 Satellite in safe and stable orbit; granting the STA will greatly enhance the 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
Licensing and Regulatory Officer
ATLAS Space Operations