



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

January 04, 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 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 February 1, 2023 for the operation of a satellite earth station in Guam to communicate with the YAM-5 satellite (S3147). The Guam earth station is located at 13-30-48.81 N, 144-49-31.1 E (Call Sign E190037).

YAM-5 launched on January 3, 2023 and the ATLAS satellite earth station in Guam is required to provide uninterrupted TT&C support to the YAM-5 satellite given its optimal location with other earth stations around the globe. The additional point of communication has completed coordination with the local license holders as well as the Society of Broadcast Engineers. A brief summary of parameters are below.

Frequencies Sought by This STA

YAM-5 (S3147)

(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

Center Frequency:

2071.875 MHz

Emission Designator: 132KG1D

Polarity: RCHP

Max EIRP Per Carrier (dBW): 44.8

Max EIRP Density Per Carrier (dBW/4 kHz): 36.9

(2) TT&C Downlink

Center Frequency:

401.5 MHz

Emission Designator: 34K0F1D

Polarity: LHCP/RHCP



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Center Frequency:

8125 MHz

Emission Designator: 100M0G1D

Polarity: RHCP

Operation of the Guam earth station from February 1, 2023 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 YAM-5 satellite in safe and stable orbit.

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

Hanna Pritchard, +1 231 598 6184, hpritchard@atlasground.com

Operations Office - +1 231 598 6184 x 222 or

+1 877 392 8527 x 222

ops@atlasground.com

Respectfully Submitted,

Hanna Pritchard
Head of Licensing and Regulatory
ATLAS Space Operations