

Maris Developments

Call Sign E181611

Request for Special Temporary Authority

By this application for Special Temporary Authority (“STA”), Maris Developments (“Maris”), seeks authority to add space station ICEYE US (Call Sign S3082)¹ as an additional point of communication to its fixed Earth station in Boardman, Oregon, Call Sign E181611 (the “Boardman Earth Station”).

The Boardman Earth Station would communicate with ICEYE US utilizing the following frequencies:

TT&C Uplink

Center Frequency: 2086.9 MHz

Emission Designator: 1M20G1D

Polarity: RCHP

Payload Downlink 1

Center Frequency: 8212.5 MHz

Emission Designator: 375MG7D

Polarity: RCHP

Max EIRP Per Carrier (dBW): 13.4

Max EIRP Density Per Carrier (dBW/Hz): -72.3

Payload Downlink 2

Center Frequency: 8300 MHz

Emission Designator: 150MG7D

Polarity: RCHP

Max EIRP Per Carrier (dBW): 9.5

Max EIRP Density Per Carrier (dBW/Hz): -72.3

Grant of this STA will serve the public interest by facilitating systematic and efficient use of resources by satellite network operators and service providers, enabling Earth exploration satellite service (“EESS”) customers like ICEYE US, Inc. to focus on satellite and customer operations by minimizing deployment and/or management of their own ground infrastructure and allowing Maris to provide that service instead. This managed network provides for an increase in coordination and spectral efficiency in the EECS service, as the Boardman Earth Station can be utilized to maximum efficiency among Maris’s client constellations. Prompt grant will enable Maris to provide spectrally efficient ground network solutions that facilitate a growing use of EECS services.

For the reasons set forth above, Maris respectfully requests that the Commission grant this STA application.

¹ See ICEYE US, Inc., Stamp Grant, IBFS File Nos. SAT-LOA-20210212-00021; SAT-AMD-20210831-00119 (Dec. 2, 2021).