

Maris Developments

E181611

Request for 30-day Special Temporary Authority

By this application for Special Temporary Authority (“STA”), Maris Developments (“Maris”) seeks authority to add space station Vigoride-3¹ as an additional point of communication to its fixed earth station located in Boardman, Oregon (the “Boardman Earth Station”; Call Sign E181611). Maris seeks to use two Viasat 5.4m antennae to communicate with Vigoride-3.²

Earth Station Location

The Boardman Earth Station is located at:

45° 51’ 16.9596” N

119° 37’ 53.061” W

Frequency Information

The Boardman Earth Station would communicate with Vigoride-3 utilizing the following frequencies:

TT&C Uplink

Center Frequency: 2075.0 MHz

Emission Designator: 100KG1D

Polarity: RHCP

Center Frequency: 2067.5 MHz³

Emission Designator: 100KG1D

Polarity: RHCP

TT&C Downlink

Center Frequency: 8200 MHz

Emission Designator: 1M00G1D

Polarity: RHCP

Max EIRP Per Carrier (dBW): 6.16

¹ See Momentum Space LLC, Stamp Grant, IBFS File No. SAT-STA-20211216-00195 (Apr. 28, 2022); Momentum Space LLC, Application for Special Temporary Authority, IBFS File No. SAT-STA-20220527-00056 (filed May 27, 2022) (“Additional Frequencies Application”) (adding additional center frequencies to prior-authorized spacecraft). The Commission has not assigned a call sign to Vigoride-3.

² See IBFS File No. SES-MOD-20191121-01544, Narrative Attachment, at 2 (describing antennae); see also IBFS File No. SES-LIC-20180827-02512 (granted Sept. 11, 2019).

³ This frequency and the 8250 MHz downlink frequency are the subject of a currently pending application for STA. See Additional Frequencies Application. Momentum has confirmed that it has begun reaching out to federal spectrum managers to pre-coordinate use of both sets of frequencies with the Boardman Earth Station. See Letter from Tony Lin, Counsel to Momentum Space LLC, to Marlene H. Dortch, Secretary, FCC, IBFS File Nos. SAT-STA-20220527-00056, SAT-STA-20211216-00195 (June 3, 2022).

Max EIRP Density Per Carrier (dBW/4 kHz): -17.8

Center Frequency: 8250 MHz

Emission Designator: 1M00G1D

Polarity: RHCP

Max EIRP Per Carrier (dBW): 6.16

Max EIRP Density Per Carrier (dBW/4 kHz): -17.8

Stop Buzzer

The Stop Buzzer POC for this STA is:

AWS Operations Center

(206) 399-1834