

Maris Developments
Call Sign E181611
Request for 30-day Special Temporary Authorization (STA)

Maris Developments (“Maris”) seeks STA for 30 days to add Spaceflight, Inc.’s Sherpa-AC1 spacecraft (Call Sign S3133) as a satellite point of communication. *See* IBFS File No. SAT-LOA-20220111-00007 (filed Jan. 11, 2022). The narrative attached to the Spaceflight application contains complete information for the spacecraft and is hereby incorporated by reference. *See id.*, AC-1 Updated Narrative and ODAR (filed Feb. 4, 2022). The links here – SRX, SRX3 and XTX – use the same nomenclature as in the Spaceflight narrative.

Maris seeks to commence operation under this STA on May 23, 2022 prior to the scheduled June launch of the Sherpa-AC1 satellite.

Maris seeks to use two Viasat 5.4m antennae to communicate with Sherpa-AC1. *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).

Frequencies Sought by This STA

(1) Uplink 1 (SRX)

Center Frequency: 2046 MHz
Emission Designator: 300KGID
Polarity: RHCP

Center Frequency: 2048 MHz
Emission Designator: 300KGID
Polarity: RHCP

Center Frequency: 2050 MHz
Emission Designator: 300KGID
Polarity: RHCP

Center Frequency: 2053 MHz
Emission Designator: 300KGID
Polarity: RHCP

Center Frequency: 2056 MHz
Emission Designator: 300KGID
Polarity: RHCP

Center Frequency: 2075 MHz
Emission Designator: 300KGID
Polarity: RHCP

(2) Uplink 2 (SRX3)

Center Frequency: 2047.5 MHz
Emission Designator: 5M00F1D
Polarity: RHCP

Center Frequency: 2054 MHz
Emission Designator: 5M00F1D
Polarity: RHCP

Center Frequency: 2075 MHz
Emission Designator: 5M00F1D
Polarity: RHCP

(3) Downlink (XTX)

Center Frequency: 8062.5 MHz
Emission Designator: 50M0G1D
Polarity: RHCP
Max EIRP Per Carrier (dBW): 18.0
Max EIRP Density Per Carrier: -58.9 dBW/Hz

Center Frequency: 8112.5 MHz
Emission Designator: 50M0G1D
Polarity: RHCP
Max EIRP Per Carrier (dBW): 18.0
Max EIRP Density Per Carrier: -58.9 dBW/Hz

Center Frequency: 8162.5 MHz
Emission Designator: 50M0G1D
Polarity: RHCP
Max EIRP Per Carrier (dBW): 18.0
Max EIRP Density Per Carrier: -58.9 dBW/Hz

Center Frequency: 8212.5 MHz
Emission Designator: 50M0G1D
Polarity: RHCP
Max EIRP Per Carrier (dBW): 18.0
Max EIRP Density Per Carrier: -58.9 dBW/Hz

Center Frequency: 8262.5 MHz
Emission Designator: 50M0G1D
Polarity: RHCP
Max EIRP Per Carrier (dBW): 18.0
Max EIRP Density Per Carrier: -58.9 dBW/Hz