

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

Maris Developments (“Maris”) seeks STA for 30 days to add all Maxar License Inc. WorldView-Legion satellites (Call Sign S2129) as satellite points of communication.¹ See IBFS File No. SAT-MOD-20180918-00073 (granted June 13, 2019). Maris already has authority to communicate with WorldView-1 through -3, which also operate under Call Sign S2129. See IBFS File No. SES-LIC-20180827-02512 (granted Sept. 11, 2019).

Maris seeks to commence operation under this STA on March 1, 2022 prior to the scheduled launch of the first WorldView-Legion satellite.

Maris seeks to use two Viasat 5.4m antennae to communicate with Legion. 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). These same antennae have been authorized to communicate with WorldView-1 through -4, Call Signs S2129 and S2348. See IBFS File No. SES-LIC-20180827-02512 (granted Sept. 11, 2019).

Frequencies Sought by This STA

(1) TT&C uplink

Center Frequency: 2085.6785 MHz
Emission Designator: 1M32G1D
Polarity: RHCP

(2) Telemetry Downlink

Center Frequency: 8380 MHz
Emission Designator: 625KG1D
Polarity: LHCP
Max EIRP Per Carrier (dBW): 0.0
Max EIRP Density Per Carrier: -54.0 dBW/Hz

(3) Payload/Wideband Downlink

Center Frequency: 8185 MHz
Emission Designator: 320MG7D
Polarity: RHCP
Max EIRP Per Carrier (dBW): 31.1
Max EIRP Density Per Carrier: -51.8 dBW/Hz

¹ Maxar has a pending license modification that seeks to alter certain WorldView-Legion orbital parameters as well as the bandwidth for the payload/wideband downlink. See IBFS File Nos. SAT-MOD-20210506-00060, SAT-AMD-20210802-00094, SAT-AMD-20210909-00120, and SAT-AMD-20220107-00003.