

Universal Space Network

Call Sign E110171

Request for License Modification

Narrative

By this modification application, Universal Space Network ("USN") seeks authority to add Maxar License Inc.'s ("Maxar") WorldView Legion 1-12 satellites ("Legion"), Call Sign S2129, as points of communication. See IBFS File No. SAT-MOD-20180918-00073 (granted June 13, 2019); IBFS File Nos. SAT-MOD-20210506-00060, SAT-AMD-20210802-00094, SAT-AMD-20210909-00120, and SAT-AMD-20220107-00003 (all granted Apr. 8, 2022). USN already has authority to communicate with WorldView-1 through -3, which also operate under Call Sign S2129. See IBFS File No. SES-LIC-20111114-01353 (granted Apr. 13, 2012); IBFS File No. SES-MOD-20140305-00129 (granted Apr. 13, 2012). The Clewiston Earth Station would communicate with Legion using the following frequencies:

(1) TT&C uplink

Center Frequency: 2085.6785 MHz

Emission Designator: 1M32G1D

Polarity: RCHP

(2) TT&C Downlink

Center Frequency: 8380 MHz

Emission Designator: 625KG1D

Polarity: LHCP

Max Transmit EIRP: 0.0dBW

Max Transmit EIRP Density: -54.0dBW/Hz

(3) Payload Downlink

Center Frequency: 8185 MHz

Emission Designator: 320MG7D

Polarity: RCHP

Max Transmit EIRP: 31.1dBW

Max Transmit EIRP Density: -51.8dBW/Hz

Grant of this modification will serve the public interest by allowing USN to provide critical communications links and geographical ground station diversity to Maxar's newest and most advanced Earth exploration satellite service system.

For the reasons set forth above, USN respectfully requests that the Commission grant this modification application.