

Universal Space Network

Call Sign E110171

Request for 60-day Special Temporary Authority

Narrative

Universal Space Network (“USN”) seeks Special Temporary Authority (“STA”) for 60 days to add WorldView Legion 1-12 satellites (“Legion,” Call Sign S2129) as points of communication to its fixed earth station located in Clewiston, FL (the “Clewiston Earth Station”; Call Sign E110171). 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, 2021)

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

Concurrent with the instant application, USN filed a modification to its license for Call Sign E110171 to add Legion as points of communication. The instant application for STA seeks to communicate with Legion as specified in the underlying modification application. For convenience, USN reproduces the relevant technical parameters here:

(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