

Exhibit 2: Earth Station Technical Information for STA Extension Request

GUSA Licensee LLC (together with its parent Globalstar, Inc., (“Globalstar”)) is seeking a 60-day extension of its existing Special Temporary Authority (“STA”), in order to continue to operate a second-generation feeder link antenna at Globalstar’s new gateway earth station facility at Reno, Nevada. Under the proposed STA extension, Globalstar will continue to use this earth station antenna to test and validate a new waveform. Grant of this STA extension will allow Globalstar to operate this earth station antenna while the application for permanent authority for this antenna remains pending. This antenna has the following parameters:

File Numbers:	SES-STA-20201217-01406
Call Sign:	E202180 (REN-1)
Proposed STA term:	July 20, 2021 – September 18, 2021
Location:	Reno, Nevada
Latitude:	39° 33’ 17.0” N
Longitude:	119 ° 29’ 54.0” W
Transmit frequency:	5091 – 5250 MHz
Receive frequency:	6875 – 7055 MHz
Polarization:	RHCP & LHCP
Antenna Size:	6 meters
Gain:	Tx: 47.5 dBi at 5.150 GHz Rx: 51.2 dBi at 6.975 GHz
Max. antenna height:	28.5 feet above ground level
Necessary bandwidth:	Transmit bandwidth is 159 MHz Receive bandwidth is 180 MHz Maximum carrier bandwidth is 2.5 MHz Maximum carrier bandwidth for test waveforms is 4.5 MHz for transmit and 200 kHz for receive
Carrier:	See table below:

<u>Frequency Band (MHz)</u>	<u>T/R Mode & Polarization</u>	<u>Emission Designator</u>	<u>Maximum EIRP (dBW)</u>	<u>Maximum EIRP Density (dBW/4kHz)</u>	<u>Modulation</u>
5091 - 5092	Tx- LHCP	76K0F2D	68	55.2	FM subcarrier on telecommand carrier
6875.95 – 6877.15	Rx – LHCP	7K00G1D			Telemetry carrier
5096 – 5250	Tx – L/RHCP	1M23XXX	59	34.1	White noise modulated carrier for testing
6900 – 7055	Rx – L/RHCP	1M23XXX			White noise modulated carrier for testing
5096 – 5250	Tx – L/RHCP	N0N	59	59	Unmodulated CW for testing
6900 – 7055	Rx – L/RHCP	N0N			Unmodulated CW for testing
5096 – 5250	Tx – L/RHCP	1M23G7W	55	30.1	CDMA/voice and data
6900 – 7055	Rx – L/RHCP	1M23G7W			CDMA/voice and data
5096 – 5250	Tx – L/RHCP	1M23G2W	55	30.1	CDMA/for single-carrier AMSS
6900 – 7055	Rx – L/RHCP	1M23G2W			CDMA/for single-carrier AMSS
6900 – 7055	Rx – L/RHCP	2M50G2D			Direct sequence CDMA for single-carrier telemetry data
6900 – 7055	Rx – L/RHCP	2M50G7D			Direct sequence CDMA for single-carrier telemetry data
5096 – 5250	Tx – L/RHCP	2M46G7W	55	27.1	CDMA/voice and data
6900 – 7055	Rx – L/RHCP	2M46G7W			CDMA/voice and data
5096 – 5250	Tx – L/RHCP	2M46G2W	55	27.1	CDMA/for single-carrier AMSS
6900 – 7055	Rx – L/RHCP	2M46G2W			CDMA/for single-carrier AMSS
5091.38 – 5091.62	Tx- LHCP	40K0G2D	68	58	Telecommand carrier

6875.9 – 6879.1	Rx – LHCP	70K0G7D			Telemetry carrier
5096 – 5250	Tx – L/RHCP	4M50G7D	72.2	41.5	Burst mode packet data with $\pi/2$ -BPSK modulation
6900 – 7055	Rx – L/RHCP	200KG7D			Burst mode packet data with BPSK modulation
6900 – 7055	Rx – L/RHCP	230KG7D			Burst mode packet data with BPSK modulation
6900 – 7055	Rx – L/RHCP	280KG7D			Burst mode packet data with BPSK modulation

Maximum EIRP: 72.2 dBW (for all carriers combined)

Maximum EIRP Density: 59 dBW/MHz

Satellite: S2115 (U.S.-licensed Globalstar Big LEO MSS system)

Orbital Location: NGSO (1414 km altitude, 52 degree inclination)

Elevation Angle (E/W): 5 degrees to 90 degrees

Azimuth (E/W): 0 degrees to 360 degrees

Satellite: HIBLEO-X GLOBALSTAR 2.0 (French-licensed Globalstar Big LEO MSS system)

Orbital Location: NGSO (1414 km altitude, 52 degree inclination)

Elevation Angle (E/W): 5 degrees to 90 degrees

Azimuth (E/W): 0 degrees to 360 degrees

NOTE: The telecommand/telemetry carrier with designator 40K0G2D/70K0G7D are for GLOBALSTAR 2.0 satellites while the telecommand/telemetry carrier with designator 76K0F2D/7K00G1D are for current Globalstar satellites (Call Sign S2115).

Information on MLS Sites

For the Reno, Nevada, Globalstar gateway site, there is one MLS site, i.e., Category III airport, within the 213 nautical mile transmit coordination distance. The Reno site is located at 39-33-16.9 N, 119-29-53.9 W. The airport is:

Travis AFB	Travis Airforce Base, Fairfield, CA approximately 165 nautical miles from Reno
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This site falls outside the 39.8 nautical mile maximum trigger distance for MLS/MSS coordination.