

Exhibit 2: Earth Station Technical Information for STA Request

GCL 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 gateway earth station facility at Las Palmas, Puerto Rico. 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 number:	SES-STA-20210413-00695
Call sign:	E990336 (LPMA-2)
Proposed STA term:	August 11, 2021 – October 10, 2021
Location:	Las Palmas, PR
Latitude:	17° 58’ 49” N
Longitude:	67° 8’ 14” W
Transmit frequency:	5091 – 5250 MHz
Receive frequency:	6875 – 7055 MHz
Polarization:	RHCP & LHCP
Antenna Size:	6 m
Gain:	Tx: 47.5 dBi at 5.150 GHz Rx: 51.2 dBi at 6.975 GHz
Max. antenna height:	8.69 meters 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 waveform 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	2M50G7D			Direct sequence CDMA for single-carrier telemetry data
6900 – 7055	Rx – L/RHCP	2M50G2D			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/4 kHz

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

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

Elevation angle (E/W): 10 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): 10 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 Microwave Landing System (MLS) Sites

For the Finca Pascual, Las Palmas, Cabo Rojo, Puerto Rico, Globalstar gateway site, there is one potential MLS site, i.e., Category III airport, within the 200 nautical miles transmit coordination distance. The Las Palmas site is located at (NAD 83) 17-58-49 N, 67-08-14 W. The airport is:

SJU	San Juan Luis Muñoz Marín International Airport, approximately 69 nautical miles from Las Palmas
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This airport site is located near San Juan in Carolina, Puerto Rico, and falls outside the 39.8 nautical mile maximum trigger distance for MLS/MSS coordination. In addition, based on a directory used for MLS coordination purposes, and to the best of its knowledge, Globalstar believes that MLS is not active at this airport.