

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 its testing and validation of two new waveforms using its gateway earth station facility at Las Palmas, Puerto Rico. During this 60-day STA extension period, Globalstar also proposes to begin operating a second-generation feeder link antenna under call sign E990336. Under the proposed STA, Globalstar will use this second-generation earth station antenna to test and validate the new waveforms and also to carry commercial mobile satellite service traffic. This antenna will have the following parameters:

File No.:	SES-STA-20200508-00511
Call Sign:	E990336 (LPMA-2)
STA term:	August 30, 2020 to October 29, 2020
Location:	Las Palmas, Puerto Rico
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:	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, including final four rows for new waveforms

<u>Frequency Band (MHz)</u>	<u>T/R Mode &amp; Polarization</u>	<u>Emission Designator</u>	<u>Maximum EIRP (dBW)</u>	<u>Maximum EIRP Density (dBW/4kHz)</u>	<u>Modulation</u>
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
5096 – 5250	Tx – L/RHCP	200KG7D	68	51	Burst mode packet data with $\pi/2$ -BPSK modulation
6900 – 7055	Rx – L/RHCP	20K0G7D			Burst mode packet data with BPSK modulation

5096 – 5250	Tx – L/RHCP	4M50G7D	68	37.5	Burst mode packet data with $\pi/2$ -BPSK modulation
6900 – 7055	Rx – L/RHCP	200KG7D			Burst mode packet data with BPSK modulation

Maximum EIRP: 68.4 dBW (for all carriers combined)

Maximum EIRP Density: 51 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): 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

Information on 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) 17-58-42 N, 67-08-12 W. The airport is:

SJU	San Juan Luis Muñoz Marin 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.