

Exhibit 2: Earth Station Technical Information for STA 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 gateway earth station facility at Sebring, Florida. Under the proposed STA extension, Globalstar will use this earth station antenna to carry commercial mobile satellite service traffic and also to continue to test and validate two new waveforms. This antenna will have the following parameters:

File No.: SES-STA-20200804-00820

Call Sign: E050099 (SBRG-3)

STA term: December 26, 2020 to February 24, 2021

Location: Sebring, Florida

Latitude: 27° 27' 35.6" N

Longitude: 81° 21' 28.4" 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 & 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 | 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

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 Sebring, Florida, Globalstar gateway site, there are three potential MLS sites, i.e., Category III airports, within the 213 nautical miles transmit co-ordination distance. The Sebring site is located at 27-27-35 N, 81-21-28 W. The airports are:

| | |
|-----|--|
| JAX | Jacksonville International Airport, approximately 182 nautical miles from Sebring |
| TPA | Tampa International Airport, approximately 70 nautical miles away |
| MCO | Orlando International Airport, approximately 58 nautical miles away |

These sites fall 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 any of those sites and will not be active during the requested 60-day STA period.