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December 9, 2020

Via Electronic Filing

Tom Sullivan
Chief, International Bureau
Federal Communications Commission
45 L Street NE
Washington, DC 20554

Re: **Request for 60-Day Extension of STA (Las Palmas, PR)**
GCL Licensee LLC – FCC File No. SES-STA-20200804-00828

Dear Mr. Sullivan:

Under Section 25.120(a) of the Commission’s rules, GCL Licensee LLC (together with its parent Globalstar, Inc., “Globalstar”) hereby requests a 60-day extension of its existing, above-captioned Special Temporary Authority (“STA”), so that it can continue to test and validate two waveforms using Globalstar’s licensed feeder link earth station antenna operating under call sign E050237, in Las Palmas, PR.¹ Globalstar plans to utilize these new waveforms to improve and enhance its safety-of-life mobile satellite services (“MSS”).

Under its current STA, Globalstar has transmitted these waveforms on a test basis over this feeder link gateway antenna – as well as over its other licensed gateway antennas in Las Palmas – because this approach represents the best means of evaluating, validating, and finalizing the parameters for these carriers.² While this test activity has been productive and yielded essential information regarding the performance of the waveforms, Globalstar will need to conduct additional testing and validation through another 60-day STA period to ensure that its carriers will meet the specific requirements of its safety-of-life service offerings.

Globalstar provides the relevant technical parameters for its transmissions of these waveforms in the Technical Exhibit to this application (“Exhibit 2”). As described in Exhibit

¹ 47 C.F.R. § 25.120(a). The Commission granted Globalstar’s current STA for testing of the new waveforms under call sign E050237 on October 27, 2020. *See* FCC File No. SES-STA-20200804-00828.

² Globalstar through its subsidiaries is filing additional STA extension requests so that it can continue to utilize its other authorized Las Palmas earth station antennas in this test program, as well as its licensed earth station antennas in Clifton, TX, and Sebring, FL.

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2 (and as Globalstar has previously described), the new waveforms are burst mode packet data carriers that support short-messaging data services. For one of these waveforms, the channel bandwidth is 200 kilohertz at 5096-5250 MHz and 20 kilohertz at 6900-7055 MHz, while the bandwidth for the second waveform is 4.5 megahertz at 5096-5250 MHz and 200 kilohertz at 6900-7055 MHz.

As Exhibit 2 indicates, while the total EIRP for these modified test transmissions is the same as for Globalstar's existing licensed services, the EIRP density for these waveforms exceeds the EIRP density values for Globalstar's current feeder link operations. These test transmissions nonetheless create no greater potential for interference than Globalstar's existing operations at 5091-5250 MHz/6875-7055 MHz. In addition, while Globalstar's Las Palmas gateways are transmitting this revised test waveform traffic concurrently with its existing, licensed commercial feeder link traffic, Globalstar will continue to avoid any interference to its current MSS operations through appropriate frequency separation in these bands.

Grant of this extension request by the December 25, 2020 expiration date for Globalstar's current STA will support continued testing and allow it to utilize the new waveforms and develop enhanced safety-of-life services as rapidly as possible. Once the testing and validation process has been completed, Globalstar will apply to modify call sign E050237 to permit use of these waveforms on a permanent basis.

Please do not hesitate to contact me with any questions.

Respectfully submitted,

/s/ Stephen J. Berman
Stephen J. Berman

cc: Paul Blais