

Request for Special Temporary Authority
SAN Earth Stations (Site-Based Authority; 2.4 meter antenna)

The Commission has authorized Viasat to serve the United States market with the ViaSat-3 satellite, which will operate at 88.9° W.L. in the Ka band under Call Signs S2917 and S3050.¹ This authorization was based on the Commission’s determination that allowing ViaSat-3 to communicate with users in the United States would serve the public interest.

Consistent with that authorization and underlying public interest finding, Viasat has filed an application for authority to operate an earth station at the site identified in the attached form. That application remains pending even after the launch of ViaSat-3 on April 30, 2023. Accordingly, Viasat requests an extension of special temporary authority (“STA”), for one-hundred-eighty (180) days commencing on December 14, 2025, to operate this earth station pending resolution of the associated application.²

Grant of the requested extension will facilitate Viasat’s ability to operate the ViaSat-3 network and provide related services to consumers in the United States—activities that the Commission has already found to be in the public interest. Absent STA at the location and frequency band segments specified in this request, Viasat would be unable to operate the ViaSat-3 network as configured and as described in the ViaSat-3 space station applications, resulting in degradation in the quality or scope of services and inhibiting Viasat’s ability to serve users at certain geographic locations.

When communicating with ViaSat-3 under the STA, the operation of the earth station will be consistent with the technical parameters and conditions set forth in Viasat’s existing authorizations for the ViaSat-3 satellite, and as specified in Viasat’s pending earth station application.³ Furthermore, operations under the STA will be consistent with

¹ See Call Sign S2917, ICFS File Nos. SAT-MOD-20190617-00047 (granted May 28, 2020), SAT-MOD-20210825-00110 (granted Dec. 23, 2021), and SAT-MOD-20220819-00091 (granted Oct. 31, 2022); Call Sign S3050, ICFS File No. SAT-LOA-20190617-00048 (granted May 27, 2020).

² See 47 C.F.R. § 25.120.

³ This STA request covers only those band segments covered by Viasat’s pending application for site-based authority. The earth station will also operate in other band segments (namely the 18.3-19.3 GHz, 19.7-20.2 GHz, 28.35-29.1 GHz, and 29.5-30.0 GHz band segments). Viasat has a pending application for blanket authority to operate in those other band segments, *see* ICFS File No. SES-LIC-20200811-00852.

technical parameters coordinated prior to the submission of the pending earth station application, which are reproduced below.⁴

Viasat will operate pursuant to the STA on a non-protected, non-harmful interference basis. In the unlikely event of harmful interference caused by Viasat's operations under the STA, Viasat will take steps to eliminate such interference, including termination of transmissions if needed. The U.S. point of contact available 24 hours a day, seven days a week, with authority and ability to cease emissions is:

349 Inverness Drive South
Englewood, CO 80112
Tel: 720-493-7300

Technical Parameters of Operation

Antenna Diameter	2.4 m minor axis; 2.6 m major axis
Antenna Gain	48.8 dBi @17.7 GHz 49.3 dBi @ 18.2 GHz 49.6 dBi @ 18.7 GHz 52.3 dBi @ 27.5 GHz 52.4 dBi @ 28.0 GHz 52.6 dBi @ 28.5 GHz
Total Input Power at Flange	32.4 W
Transmit Frequencies (Earth-to-space)	27.5-28.35 GHz
Transmit Polarization	LHCP
Total EIRP for All Carriers	68.2 dBW
Maximum EIRP Density per carrier	17.6 dBW/4 kHz
Transmit Emission Designator	325MG7D; 464MG7D
Receive Frequencies (space-to-Earth)	17.7-18.3 GHz
Receive Polarization	RHCP
Receive Emission Designator	10M0G7D; 20M0G7D; 40M0G7D; 160MG7D; 320MG7D; 464MG7D

⁴ Coordination reports are attached as Exhibit C to Viasat's earth station applications. In some cases, a supplemental coordination report was subsequently filed through ICFS.