

Narrative
Request for Special Temporary Authority
Call Sign E170088

Viasat, Inc. hereby requests special temporary authority (“STA”) for thirty (30) days to operate the fixed-satellite service (“FSS”) earth stations identified in Attachment 1 (collectively, the “Earth Stations”) at the fixed locations identified in that attachment to facilitate in-orbit testing (“IOT”) of the ViaSat-3F2 satellite at the 79.0° W.L. orbital location.¹ The Earth Stations would operate in the 17.7-18.8 GHz (space-to-Earth), 19.7-20.2 GHz, (space-to-Earth), 28.35-28.6 GHz (Earth-to-space), and 29.5-30 GHz (Earth-to-Space) portions of the Ka band under the same technical parameters authorized in Viasat’s license for blanket fixed earth stations, with the exception that they would be pointed at ViaSat-3F2.² Grant of this request would serve the public interest by enabling Viasat to conduct in-orbit tests with the ViaSat-3F2 satellite in preparation for service to the United States market.

Viasat is authorized to serve the United States market with the ViaSat-3F2 satellite at the 79.0° W.L. orbital location.³ The ViaSat-3F2 satellite was launched in November 2025, and arrived at the 79.0° W.L. orbital location in early March. Viasat seeks STA for the limited purpose of conducting in-orbit tests of the ViaSat-3F2 satellite to ensure that it is ready to serve the United States market. Viasat will not provide any commercial service under this STA. IOT with the ViaSat-3F2 network under this STA request would involve the use of two user terminal-type Earth Stations at each of the fixed locations identified in Attachment 1.⁴ Each of the Earth Stations is technically identical to earth stations already operational and authorized by the Commission to communicate with other Viasat satellites, including the ViaSat-3F1 satellite at the 88.9° W.L. orbital location.⁵

Under the requested STA, Viasat would conduct a variety of tests intended to prepare the satellite network for commercial service, including: (i) payload hardware bring-up and calibration; (ii) verification of ground system-to-payload interfaces; (iii) configuration and validation of payload hardware and algorithms; and (iv) verification of end-to-end system

¹ See 47 C.F.R. § 25.120.

² See Viasat, Inc., Call Sign E170088, ICFS File No. SES-LIC-20170401-00357.

³ See Viasat, Inc., Call Sign S3113, ICFS File No. SAT-PPL-20211207-00172. While Viasat’s petition for market access refers to the VIASAT-79W satellite, Viasat subsequently clarified that this would be the ViaSat-3F2 satellite.

⁴ Viasat refers to these user terminal-type earth stations as “anchor terminals.” Viasat is also requesting authority to conduct IOT with satellite access node (“SAN”) terminals through a separate request being filed in parallel with the instant request. See Viasat, Inc., ICFS File No. SES-STA-20260621-01856.

⁵ Viasat intends to file a modification to add the ViaSat-3F2 satellite as an authorized point of communication to its blanket earth station license with Call Sign E170088.

configuration, performance, and stability for system validation purposes. The Earth Stations would transmit and receive either carrier signals or artificially generated data to facilitate IOT operations. No customer data would be transmitted during testing, and no service would be provided to third parties. The Earth Stations and all IOT operations would be managed by Viasat personnel.

All operations with the ViaSat-3F2 satellite under the requested STA would be consistent with the Commission's regulatory framework for the Ka band and the parameters specified in Viasat's grant of market access. Moreover, other than changing the point of communication, each of the Earth Stations would be operated in a manner consistent with the technical parameters specified in Viasat's current authorization for communications with ViaSat-3F1.

Viasat would 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 would 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

Attachment 1
Anchor Terminal Sites for IOT

City/State	Latitude (DMS)	Longitude (DMS)
Tucson, AZ	32°12'56.94"N	110°57'42.18"W
Carlsbad, CA	33° 7'41.27"N	117°15'54.61"W
Englewood, CO	39°32'58.06"N	104°51'52.22"W
Stockbridge, GA	33°35'36.50"N	84°13'15.22"W
Mount Ulla, NC	35°38'56.31"N	80°40'4.87"W
Raleigh, NC	35°49'48.85"N	78°36'34.69"W
Lyons, NE	41°56'28.07"N	96°27'52.03"W
Albuquerque, NM	35° 5'37.07"N	106°38'45.33"W
Columbus, OH	39°53'21.33"N	82°55'58.06"W
Shawnee, OK	35°24'21.71"N	96°55'23.92"W
Salem, OR	44°57'17.27"N	123° 0'57.52"W
Nashville, TN	36° 6'11.25"N	86°45'18.65"W
Tornillo, TX	31°26'29.26"N	106°5'0.87"W
Houston, TX	29°46'16.13"N	95°20'45.61"W
Bozeman, MT	45°40'33.73"N	111° 8'33.58"W
Indianapolis, IN	39°44'29.52"N	86° 9'6.97"W
Las Vegas, NV	36° 8'33.81"N	115° 4'38.19"W
San Antonio, TX	29°26'18.19"N	98°30'24.58"W
Ennis, TX	32°22'2.23"N	96°38'15.86"W
Ogden, UT	41°14'19.62"N	111°59'31.97"W
Chaska , MN	44°51'3.83"N	93°35'53.98"W
Dousman, WI	43° 0'53.23"N	88°27'58.85"W
Memphis , TN	34°59'43.19"N	89°52'27.63"W
Birmingham, AL	33°29'59.03"N	86°49'11.88"W

Weslaco, TX	26°10'27.58"N	97°57'50.67"W
Tracy, CA	37°43'17.02"N	121°30'38.28"W
Centerview, MO	38°44'35.96"N	93°52'42.87"W
Festus, MO	38°11'45.06"N	90°23'24.60"W
Little Rock, AR	34°45'44.59"N	92°15'35.71"W
Detroit, MI	42°19'30.71"N	83° 4'12.39"W
Portsmouth, VA	36°50'17.31"N	76°20'1.53"W
Augusta, GA	33°23'5.40"N	82° 0'32.55"W
Pittsburgh, PA	40°25'30.53"N	79°58'11.30"W
Plymouth, PA	41°14'45.51"N	75°55'30.17"W
Boston, MA	42° 1'46.41"N	71° 0'26.49"W
Boise, ID	43°33'51.70"N	116°11'8.49"W
Cheyenne, WY	41° 7'51.43"N	104°44'23.87"W
Carlton, MN	46°39'43.78"N	92°28'28.73"W
Germantown, MD	39°12'4.01"N	77°16'12.81"W
Honolulu, HI	21°20'9.59"N	158° 5'25.73"W
Hays, KS	38°51'24.35"N	99°42'43.46"W
Juneau, AK	58°17'10.99"N	134°22'57.32"W
Nuevo, CA	33°47'48.13"N	117° 5'23.49"W
Laredo, TX	27°41'21.28"N	99°27'2.56"W
Summerset, SD	44°11'17.17"N	103°20'11.75"W
Green River, WY	41°32'11.41"N	109°21'7.04"W
Lovelock, NV	40°10'21.31"N	118°28'49.79"W
Sanderson, TX	30° 4'5.47"N	102°19'17.40"W
Centralia, WA	46°44'3.43"N	123° 0'11.08"W
Milford, UT	38°27'42.47"N	112°59'7.85"W
Syracuse, NY	43° 6'26.31"N	76° 9'17.25"W