

Attachment 1
REQUEST FOR EXTENSION OF SPECIAL TEMPORARY AUTHORIZATION
(Response to Question 12)
Ka Band SAN Earth Station (Site-Based Authority)

Viasat, Inc. (“Viasat”) hereby requests an extension of its existing special temporary authority (“STA”), for one hundred eighty (180) days to operate a 2.4 meter transmit/receive earth station at the location identified in the attached Form 312 and Schedule B in the fixed-satellite service (“FSS”) in the 17.7-18.3 GHz and 27.5-28.35 GHz band segments. The earth station would continue to communicate with the ViaSat-3 satellite at 88.9° W.L. in accordance with technical parameters specified in the attached Schedule B.¹ The Commission has already authorized Viasat to serve the United States market with the ViaSat-3 satellite in the portions of the Ka band requested based on the Commission’s determination that allowing ViaSat-3 to communicate with users in the United States would serve the public interest,² and Viasat has filed an application for permanent authority to operate the earth station with the ViaSat-3 satellite.³ Grant of this application would further serve the public interest by enabling Viasat to continue to operate another interconnection point for the ViaSat-3 satellite network.

All operations with the ViaSat-3 satellite under the STA would continue to be consistent with the Commission’s regulatory framework for the Ka band. When communicating with ViaSat-3 under the STA, the operation of the earth station would comport with the applicable terms and conditions of Viasat’s existing authorizations for the ViaSat-3 satellite, and as specified in Viasat’s pending earth station application. Furthermore, operations under the STA would continue to be consistent with technical parameters coordinated with terrestrial services prior to the submission of the earth station application.

Viasat would continue to 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

¹ See 47 C.F.R. § 25.120. The Form 312 and Schedule B for the underlying application are attached hereto for reference. Additional exhibits can be found on file with the underlying application.

² See Viasat, Inc., Call Sign S2917, ICFS File Nos. SAT-LOI-20140204-00013 *et al.*; Call Sign S3050, ICFS File No. SAT-LOA-20190617-00048 (granted May 27, 2020). VIASAT-3 (Call Sign S2917) and VIASAT-89US (Call Sign S3050), are collectively referred to as “ViaSat-3.” See also ICFS File No. SES-STA-20250130-00125 (granted Apr. 2, 2025).

³ See Viasat, Inc., ICFS File No. SES-LIC-20250130-00121 (filed Jan. 27, 2025).

Approved by OMB
3060-0678

Date & Time Filed: Jan 27 2025 1:30:23:400PM

File Number: SES-LIC-INTR2025-00377

Callsign/Satellite ID:

APPLICATION FOR EARTH STATION AUTHORIZATIONS

FCC 312 MAIN FORM
FOR OFFICIAL USE ONLY

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APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:

Tucson, AZ 2.4 m SAN Ka band

1-8. Legal Name of Applicant

Name:	Viasat, Inc.	Phone Number:	760-476-2583
DBA Name:		Fax Number:	760-929-3941
Street:	6155 El Camino Real	E-Mail:	daryl.hunter@viasat.com
City:	Carlsbad	State:	CA
Country:	USA	Zipcode:	92009 -
Attention:	Mr Daryl T Hunter P.E.		

9-16. Name of Contact Representative

Name:	Viasat, Inc.	Phone Number:	760-476-2583
Company:		Fax Number:	760-929-3941
Street:	6155 El Camino Real	E-Mail:	daryl.hunter@viasat.com
City:	Carlsbad	State:	CA
Country:	USA	Zipcode:	92009-
Attention:	Daryl T. Hunter, P.E.	Relationship:	Engineer

CLASSIFICATION OF FILING

17. Choose the button next to the classification that applies to this filing for both questions a. and b. Choose only one for 17a and only one for 17b.

a.

- ☒ a1. Earth Station
(N/A) a2. Space Station

b.

- ☐ b1. Application for License of New Station
☐ b2. Application for Registration of New Domestic Receive-Only Station
(N/A) b3. Amendment to a Pending Application
(N/A) b4. Modification of License or Registration
(N/A) b5. Assignment of License or Registration
(N/A) b6. Transfer of Control of License or Registration
(N/A) b7. Notification of Minor Modification
(N/A) b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed Satellite
(N/A) b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States
☐ b10. Other (Please specify)
☐ b11. Application for Earth Station to Access a Non-U.S. satellite Not Currently Authorized to Provide the Proposed Service in the Proposed Frequencies in the United States.

17c. Is a fee submitted with this application?

- ☒ If Yes, complete and attach FCC Form 159.

If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).

- ☐ Governmental Entity ☐ Noncommercial educational licensee
☐ Other (please explain):

17d.

Fee Classification BAX - Fixed Satellite Transmit/Receive Earth Station

18. If this filing is in reference to an existing station, enter:

(a) Call sign of station:
Not Applicable

19. If this filing is an amendment to a pending application enter:

(a) Date pending application was filed:

(b) File number of pending application:

Not Applicable

Not Applicable

TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provide or use the following type(s) of service(s): Select all that apply:

- ☒ a. Fixed Satellite
☐ b. Mobile Satellite
☐ c. Radiodetermination Satellite
☐ d. Earth Exploration Satellite
☐ e. Direct to Home Fixed Satellite
☐ f. Digital Audio Radio Service
☐ g. Other (please specify)

21. STATUS: Choose the button next to the applicable status. Choose only one.

- ☐ Common Carrier ☒ Non-Common Carrier

22. If earth station applicant, check all that apply.

- ☐ Using U.S. licensed satellites
☒ Using Non-U.S. licensed satellites

23. If applicant is providing INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filings. Choose one. Are these facilities:

- ☐ Connected to a Public Switched Network ☐ Not connected to a Public Switched Network ☒ N/A

24. FREQUENCY BAND(S): Place an "X" in the box(es) next to all applicable frequency band(s).

- ☐ a. C-Band (4/6 GHz) ☐ b. Ku-Band (12/14 GHz)
☒ c. Other (Please specify upper and lower frequencies in MHz.)

Frequency Lower: 17700 Frequency Upper: 28350

TYPE OF STATION

25. CLASS OF STATION: Choose the button next to the class of station that applies. Choose only one.

- ☒ a. Fixed Earth Station
☐ b. Temporary-Fixed Earth Station
☐ c. 12/14 GHz VSAT Network
☐ d. Mobile Earth Station
 (N/A) e. Geostationary Space Station
 (N/A) f. Non-Geostationary Space Station
☐ g. Other (please specify)

26. TYPE OF EARTH STATION FACILITY: Choose only one.

- ☒ Transmit/Receive ☐ Transmit-Only ☐ Receive-Only ☐ N/A

PURPOSE OF MODIFICATION

27. The purpose of this proposed modification is to: (Place an 'X' in the box(es) next to all that apply.)

Not Applicable

ENVIRONMENTAL POLICY

28. Would a Commission grant of any proposal in this application or amendment have a significant environmental impact as defined by 47 CFR 1.1307? If YES, submit the statement as required by Sections 1.1308 and 1.1311 of the Commission's rules, 47 C.F.R. §§ 1.1308 and 1.1311, as an exhibit to this application. A Radiation Hazard Study must accompany all applications for new transmitting facilities, major modifications, or major amendments.

☐ Yes ☒ No

ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aeronautical en route or aeronautical fixed radio station services are not required to respond to Items 30-34.

29. Is the applicant a foreign government or the representative of any foreign government?	☐ Yes ☒ No
30. Is the applicant an alien or the representative of an alien?	☐ Yes ☐ No ☒ N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	☐ Yes ☐ No ☒ N/A
32. Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	☐ Yes ☐ No ☒ N/A
33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	☐ Yes ☐ No ☒ N/A
34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit an identification of the aliens or foreign entities, their nationality, their relationship to the applicant, and the percentage of stock they own or vote.	

BASIC QUALIFICATIONS

35. Does the Applicant request any waivers or exemptions from any of the Commission's Rules? If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.	☒ Yes ☐ No
36. Has the applicant or any party to this application or amendment had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explanation of circumstances.	☐ Yes ☒ No
37. Has the applicant, or any party to this application or amendment, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court? If Yes, attach as an exhibit, an explanation of circumstances.	☐ Yes ☒ No
38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition? If Yes, attach as an exhibit, an explanation of circumstances	☐ Yes ☒ No Contour
39. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending matter referred to in the preceding two items? If yes, attach as an exhibit, an explanation of the circumstances.	☐ Yes ☒ No Exhibit D
40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, address, and citizenship of those stockholders owning a record and/or voting 10 percent or more of the Filer's voting stock and the percentages so held. In the case of fiduciary control, indicate the beneficiary(ies) or class of beneficiaries. Also list the names and addresses of the officers and directors of the Filer.	Exhibit C
41. By checking Yes, the undersigned certifies, that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. <i>See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes.</i>	☒ Yes ☐ No
42a. Does the applicant intend to use a non-U.S. licensed satellite to provide service in the United States? If Yes, answer 42b and attach an exhibit providing the information specified in 47 C.F.R. 25.137, as appropriate. If No, proceed to question 43.	☒ Yes ☐ No Exhibit B
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what administration has coordinated or is in the process of coordinating the space station? UK	
43. Description. (Summarize the nature of the application and the services to be provided). See narrative. Narrative	

43a. Geographic Service Rule Certification

By selecting A, the undersigned certifies that the applicant is not subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25. ☒ **A**

By selecting B, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will comply with such requirements. ☐ **B**

By selecting C, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will not comply with such requirements because it is not feasible as a technical matter to do so, or that, while technically feasible, such services would require so many compromises in satellite design and operation as to make it economically unreasonable. A narrative description and technical analysis demonstrating this claim are attached. ☐ **C**

CERTIFICATION

The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. The applicant certifies that grant of this application would not cause the applicant to be in violation of the spectrum aggregation limit in 47 CFR Part 20. All statements made in exhibits are a material part hereof and are incorporated herein as if set out in full in this application. The undersigned, individually and for the applicant, hereby certifies that all statements made in this application and in all attached exhibits are true, complete and correct to the best of his or her knowledge and belief, and are made in good faith.

44. Applicant is a (an): (Choose the button next to applicable response.)

- ☐ Individual
☐ Unincorporated Association
☐ Partnership
☒ Corporation
☐ Governmental Entity
☐ Other (please specify)

45. Name of Person Signing
Daryl T. Hunter, P.E.

46. Title of Person Signing
CTO, Regulatory Affairs

47. Please supply any need attachments.

Attachment 1:

Attachment 2:

Attachment 3:

**WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT
(U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION
(U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).**

**SATELLITE EARTH STATION AUTHORIZATIONS
FCC Form 312 - Schedule B:(Technical and Operational Description)**

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Location of Earth Station Site

E1: Site Identifier:	SAN 2.4 m	E5. Call Sign:	
E2: Contact Name	Daryl Hunter	E6. Phone Number:	760-476-2583
E3. Street:	460 S Toole Ave	E7. City:	Tucson
		E8. County:	Pima
E4. State	AZ	E9. Zip Code	85701
E10. Area of Operation:		Fixed	

E11. Latitude:	32 ° 12 ' 57.6 " N
E12. Longitude:	110 ° 57 ' 42.5 " W
E13. Lat/Lon Coordinates are:	☐ NAD-27 ☒ NAD-83 ☐ N/A
E14. Site Elevation (AMSL):	736.49 meters
E15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement? If NO, provide a technical analysis showing compliance with two-degree spacing policy.	☒ Yes ☐ No ☐ N/A
E16. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements?	☐ Yes ☐ No ☒ N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	☒ Yes ☐ No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	☒ Yes ☐ No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	☐ Yes ☒ No
E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.	☐ Yes ☒ No

POINTS OF COMMUNICATION

Satellite Name: ViaSat-3(S2917/3050 88.9 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

POINTS OF COMMUNICATION (Destination Points)

E25. Site Identifier:	
E26. Common Name:	E27. Country:

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(____dBi at ____GHz)
SAN 2.4 m	SAN 1	1	Viasat	13001xx	2.5	48.8 dBi at 17.7
						49.3 dBi at 18.2
						49.6 dBi at 18.7
						52.3 dBi at 27.5
						52.4 dBi at 28.0
						52.6 dBi at 28.5

E28. Antenna Id	E33/34. Diameter Minor/Major(meters)	E35. Above Ground Level (meters)	E36. Above Sea Level (meters)	E37. Building Height Above Ground Level (meters)	E38. Total Input Power at antenna flange (Watts)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for al carriers (dBW)
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SAN 1	2.4/2.6	2.4	738.9	0.0	84.14	0.0	72.3
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FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands(MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum EIRP Density per Carrier(dBW/4kHz)
SAN 1	17700 18300	R	Right Hand Circular	5M00G7D	0.0	0.0
E50. Modulation and Services 5 MBd digital data carrier						
SAN 1	17700 18300	R	Right Hand Circular	80M0G7D	0.0	0.0
E50. Modulation and Services 80 MBd digital data carrier						
SAN 1	17700 18300	R	Right Hand Circular	10M0G7D	0.0	0.0
E50. Modulation and Services 10 MBd digital data carrier						
SAN 1	17700 18300	R	Right Hand Circular	20M0G7D	0.0	0.0
E50. Modulation and Services 20 MBd digital data carrier						
SAN 1	17700 18300	R	Right Hand Circular	40M0G7D	0.0	0.0
E50. Modulation and Services 40 MBd digital data carrier						
SAN 1	17700 18300	R	Right Hand Circular	160MG7D	0.0	0.0
E50. Modulation and Services 160 MBd digital data carrier						
SAN 1	17700 18300	R	Right Hand Circular	320MG7D	0.0	0.0
E50. Modulation and Services 320 MBd digital data carrier						
SAN 1	17700 18300	R	Right Hand Circular	464MG7D	0.0	0.0
E50. Modulation and Services 464 MBd digital data carrier						
SAN 1	27500 28350	T	Left Hand Circular	325MG7D	67.7	18.6
E50. Modulation and Services 325 MBd digital data carrier						
SAN 1	27500 28350	T	Left Hand Circular	464MG7D	69.3	18.6
E50. Modulation and Services 464 MBd digital data carrier						

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc E/W Limit	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
SAN 1	Geostationary	17700 18300	88.9/88.9	142.8	45.6	142.8	45.6	0.0
	Geostationary	27500 28350	88.9/88.9	142.8	45.6	142.8	45.6	-56.2

REMOTE CONTROL POINT LOCATION**REMOTE CONTROL POINT LOCATION**

E61. Call Sign NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.	E65. Phone Number 720-493-7400
E62. Street Address 349 Inverness Drive South	

E63. City Englewood	E67. County Douglas	E64/68. State/Country CO/ USA	E66. Zip Code 80112
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FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

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THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.