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Callsign/Satellite ID:

APPLICATION FOR EARTH STATION AUTHORIZATIONS FCC Use Only FCC 312 MAIN FORM

FCC 312 MAIN FORM FOR OFFICIAL USE ONLY

APPLICANT INFORMATION

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

C-band T/R Earth Station at Site 2 in Middletown, RI

1–8. Legal Name	of Applicant
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Name: KVH Industries, Inc. **Phone Number:** 401–845–8148

DBA Fax Number: 401–845–8116

Name:

Street: 50 Enterprise Center E–Mail: ffeingold@kvh.com

City: Middletown State: RI

Country: USA Zipcode: 02842 -

Attention: Ms Felise Feingold

9–16. Name of Contact Representative

Name: Kenneth Ryan Phone Number: 703917 4020

Company: Skjei Telecom, Inc. Fax Number: 7039170098

Street: 7777 Leesburg Pike E–Mail: ken@skjeitelecom.com

City: Falls Church State: VA

Country: USA Zipcode: 22043–

Attention: Ken Ryan **Relationship:** Engineer

CLASSIFICATION OF FILING

17. Choose the button next to the	b.					
classification that applies to this filing for	b1. Application for License of New Station					
both questions a. and b. Choose only one	b2. Application for Registration of New Domestic Receive–Only Station					
for 17a and only one for 17b.						
	(N/A) b3. Amendment to a Pending Application (N/A) b4. Modification of License or Registration					
a.	(N/A) b5. Assignment of License or Registration					
a1. Earth Station	(N/A) b6 Transfer of Control of License or Registration					
(N/A) a2. Space Station (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 h 10. Other (Please specify)					
	o 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.					
	(N/A) b13. Amendment to a Pending Database Entry Application					
	(N/A) b14. Modifiction of Database Entry					
17c. Is a fee submitted with this applicati	on?					
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 Noncomme	ercial educational licensee					
Other(please explain):						
17d.						
Fee Classification BAX – Fixed Satellite T	ransmit/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
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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	22. If earth station applicant, check all that apply.
only one.	Using U.S. licensed satellites
O Common Carrier Non–Common Carrier	Using Non–U.S. licensed satellites
23. If applicant is providing INTERNATIONAL COMMON CARRIER sefacilities:	ervice, see instructions regarding Sec. 214 filings. Choose one. Are these
O Connected to a Public Switched Network Not connected to	o a Public Switched Network

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: Frequency Upper:
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 RadHaz
ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aerona aeronautical fixed radio station services are not required to respond to Items 30–34.	utical en route or
29. Is the applicant a foreign government or the representative of any foreign government?	O Yes O No
30. Is the applicant an alien or the representative of an alien?	O Yes O No N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	O Yes O No O 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?	O Yes O 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?	O Yes ● N	To O 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 explination 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 explination of circumstances.	O 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	O Yes	⊚ No
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 exhinit, an explanation of the circumstances.	O Yes	⊘ No
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.		

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. See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes.	Yes	O 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
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, wh coordinated or is in the process of coordinating the space station?	hat administr	ation has
43. Description. (Summarize the nature of the application and the services to be provided). (If the content appear in this box, please go to the end of the form to view it in its entirety.) Application for Authorization to operate a 1m C-band T/R spread spectrum term 2 in Middletown, RI	omplete descr minal at	·

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.	O 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.	o 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.

O Individual				
Unincorporated Association				
~				
© Corporation				
Governmental Entity				
Other (please specify)				
45. Name of Person Signing Marc Edwards		46. Title of Person Program Manager	0 0	
47. Please supply any need attachn				
Attachment 1:	Attachment 2:		Attachment 3:	
(U.S. Code		R REVOCATION OF A	LE BY FINE AND / OR IMPRISO ANY STATION AUTHORIZATION S. Code, Title 47, Section 503).	

SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 – Schedule B:(Technical and Operational Description) FOR OFFICIAL USE ONLY

Location of Earth Station Site

E1: Site Identifier: S2 E5. Call Sign:

E2: Contact Name Marc Edwards E6. Phone 401 835 8488

Number:

E3. Street: 50 Enterprise E7. City: Middletown

Center

E8. County: Newport

E4. State RI E9. Zip Code 02842

E10. Area of Operation: Middletown, RI

E11. Latitude: 41 °31 '14.8 "N

E12. Longitude: 71 °17 '15.0 "W

E13. Lat/Lon Coordinates are: NAD-27 NAD-83 N/A

E14. Site Elevation (AMSL): 44.2 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 asEIRP Compliance a technical analysis showing compliance with two–degree spacing policy.	O Yo	es	● No	(5 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?	O Ye	es	O No	(N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	0,	Yes	•) N	10
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	● /	Yes	C	N	10
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	0,	Yes	•) N	10
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	•	N	<u></u>
POINTS OF COMMUNICATION					
Satellite Name: ALSAT ALL AUTHORIZED U.S. ALSAT If you selected OTHER, please enter the following	g:				

E21. Common Nam	ne:			E22. ITU Name:				
E23. Orbit Location	ո:			E24. Cou	untry:			
				•				
Satellite Name: A	ALSAT ALL AUTH	ORIZED U.S. ALS	AT If you	ı selected	OTHER, please ente	er the following:		
E21. Common Nam	ne:			E22. ITU	J Name:			
E23. Orbit Location	ո:			E24. Cou	untry:			
Satellite Name: A	ALSAT ALL AUTH	ORIZED U.S. ALS	AT If you	ı selected	OTHER, please ente	er the following:		
E21. Common Nam	ne:			E22. ITU	J Name:			
E23. Orbit Location:				E24. Country:				
Satellite Name: A	ALSAT ALL AUTH	ORIZED U.S. ALS	AT If you	ı selected	OTHER, please ente	er the following:		
E21. Common Nam	ne:			E22. ITU Name:				
E23. Orbit Location	n:			E24. Country:				
POINTS OF CO	OMMUNICATION	(Destination Point	ts)					
E25. Site Identifier:								
E26. Common Nam	ne:			E27. Country:				
ANTENNA				·				
Site ID	E28. Antenna Id	E29. Quantity	E30. Manufac	turer	E31. Model	E32. Antenna Size <meters></meters>	E41/42. Antenna GainTransmint and/or Recieve (dBi atGHz)	
S2	s2	1	KVH		TracPhone V11	1.0	31.3 dBi at 3.95	

			31.3 dBi at 3.95
			31.3 dBi at 3.95
			31.3 dBi at 3.95
			34.5 dBi at 6.138
			34.5 dBi at 6.138
			34.5 dBi at 6.138
			34.5 dBi at 6.138

E28. Antenna Id	E33/34. Diameter Minor/Major (meters)	E35. Above Ground Level (meters)		E37. Building Height Above Ground Level (meters)		Maximum Antenna Height	E40. Total EIRP for al carriers (dBW)
s2	1.0/1.0	1.52	45.7	0.0	17.47	1.52	46.9
s2	1.0/1.0	1.52	45.7	0.0	17.47	1.52	46.9
s2	1.0/1.0	1.52	45.7	0.0	17.47	1.52	46.9
s2	1.0/1.0	1.52	45.7	0.0	17.47	1.52	46.9

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 ERIP Density per Carrier (dBW/4kHz)
s2	3700 4200	R	Horizontal and Vertical	36M0G7D	0.0	0.0
E50. Modulation entirety.) Spread Spe	and Services (If the contract of the contract		ion does not appear ir	this box, please go	to the end of the form	to view it in its
s2	3700 4200	R	Horizontal and Vertical	36M0G7D	0.0	0.0
E50. Modulation entirety.)	n and Services (If the	ne complete descript	ion does not appear in	this box, please go	to the end of the form	to view it in its
Spread Spe	ectrum Digital	Service				
s2	3700 4200	R	Horizontal and Vertical	36M0G7D	0.0	0.0

	50. Modulation ety.)	and Service	s (If th	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
	Spread Spe	ctrum Di	gital	Service				
s2		3700	4200	R	Horizontal and Vertical	36M0G7D	0.0	0.0
	Spread Spe				on does not appear in	this box, please go to	o the end of the form	to view it in its
s2		5925	6425	Т	Horizontal and Vertical	9M98G7D	46.9	13.0
	E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its ntirety.) 10 MHz Spread Spectrum Digital Service							
s2		5925	6425	Т	Horizontal and Vertical	9M98G7D	46.9	13.0

entirety.)		and Service ead Spec		ne complete description		this box, please go t	o the end of the form 46.9	to view it in its
SZ		13923	0423		Vertical	N D96IME	40.9	13.0
entirety.)		and Service	`	ne complete description		this box, please go t	o the end of the form	to view it in its
s2		5925	6425	Т	Horizontal and Vertical	9M98G7D	46.9	13.0
entirety.)	E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its ntirety.) 10 MHz Spread Spectrum Digital Service							
s2		5925	6425	Т	Horizontal and Vertical	36M0G7D	46.9	7.4

E50. Modulation entirety.)	and Services (If t	he complete description	on does not appear in	this box, please go t	o the end of the form	to view it in its		
Full Trans	Full Transponder Spread Spectrum Service							
s2	5925 6425	Т	Horizontal and Vertical	36M0G7D	46.9	7.4		
entirety.)	E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its ntirety.) Full Transponder Spread Spectrum Service							
s2	5925 6425	Т	Horizontal and Vertical	36M0G7D	46.9	7.4		
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its ntirety.) Full Transponder Spread Spectrum Service								
s2	5925 6425	Т	Horizontal and Vertical	36M0G7D	46.9	7.4		

E50. Modulation entirety.)	and Services (If t	he complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its		
Full Trans	Full Transponder Spread Spectrum Service							
s2	5925 6425	Т	Horizontal and Vertical	18M0G7D	46.9	10.4		
entirety.)	E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its ntirety.) Half Transponder Spread Spectrum Service2							
s2	5925 6425	Т	Horizontal and Vertical	18M0G7D	46.9	10.4		
E50. Modulation entirety.)	and Services (If t	he complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its		
Half Trans	Half Transponder Spread Spectrum Service2							
s2	5925 6425	Т	Horizontal and Vertical	18M0G7D	46.9	10.4		

	E50. Modulation rety.)	and Services	s (If th	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
	Half Trans	ponder Sp	pread	Spectrum Servi	ce2			
s2		5925	6425	Т	Horizontal and Vertical	18M0G7D	46.9	10.4
	E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its tirety.) Half Transponder Spread Spectrum Service2							
s2		5925	6425	Т	Horizontal and Vertical	27M0G7D	46.9	8.6
	E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its ntirety.) Half Transponder Spread Spectrum Service1							
s2		5925	6425	Т	Horizontal and Vertical	27M0G7D	46.9	8.6

E50. Modulation entirety.)	n and Services (If	the complete des	scription does not appear	in this box, please	go to the end of the	he form to view it in its
Half Tran	sponder Spread	d Spectrum S	ervice1			
s2	5925 6425	Т	Horizontal and Vertical	27M0G7D	46.9	8.6
entirety.) Half Tran	sponder Spread	d Spectrum S	ervicel			
s2	5925 6425	Т	Horizontal and Vertical	27M0G7D	46.9	8.6
E50. Modulation entirety.) Half Tran	n and Services (In		scription does not appear	in this box, please	go to the end of the	he form to view it in its

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)
s2	Geostationary	3700 4200	25.0/ 135.0	122.4	23.16	251.9	10.82	0.0
	Geostationary	3700 4200	25.0/ 135.0	122.4	23.16	251.9	10.82	0.0
	Geostationary	3700 4200	25.0/ 135.0	122.4	23.16	251.9	10.82	0.0
	Geostationary	3700 4200	25.0/ 135.0	122.4	23.16	251.9	10.82	0.0
	Geostationary	5925 6425	25.0/ 135.0	122.4	23.16	251.9	10.82	-15.6
	Geostationary	5925 6425	25.0/ 135.0	122.4	23.16	251.9	10.82	-15.6
	Geostationary	5925 6425	25.0/ 135.0	122.4	23.16	251.9	10.82	-15.6
	Geostationary	5925 6425	25.0/ 135.0	122.4	23.16	251.9	10.82	-15.6

REMOTE CONTROL POINT LOCATION

E61. Call Sign	E65. Phone Number
NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.	

E62. Street Address			
E63. City	E67. County	E64/68. State/Country	E66. Zip Code

SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 – Schedule B:(Technical and Operational Description) FOR OFFICIAL USE ONLY

Location of Earth Station Site

E1: Site Identifier: S2 E5. Call Sign:

E2: Contact Name Marc Edwards E6. Phone 401 835 8488

Number:

E3. Street: 50 Enterprise E7. City: Middletown

Center

E8. County: Newport

E4. State RI E9. Zip Code 02842

E10. Area of Operation: Middletown, RI

E11. Latitude: 41 °31 '14.8 "N

E12. Longitude: 71 °17 '15.0 "W

E13. Lat/Lon Coordinates are: NAD-27 NAD-83 N/A

E14. Site Elevation (AMSL): 44.2 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 asEIRP Compliance a technical analysis showing compliance with two–degree spacing policy.	O Ye	S	⊚ No	O 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?	O Ye	:S	O No	● N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	O Y	es	•	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	● Y	es	٥	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	O Y	es	•	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.	O Y	es	•	No
POINTS OF COMMUNICATION				
Satellite Name: ALSAT ALL AUTHORIZED U.S. ALSAT If you selected OTHER, please enter the following	g:			

S2	s2	1	KVH		TracPhone V11	1.0	(dBi at GHz) 31.3 dBi at 3.95		
Site ID	E28. Antenna Id	E29. Quantity	E30. Manufac	turer	E31. Model	E32. Antenna Size <meters></meters>	E41/42. Antenna GainTransmint and/or Recieve		
ANTENNA			_						
E26. Common N	Name:			E27. Country:					
E25. Site Identif	fier:								
POINTS OF	COMMUNICATION	(Destination Point	ts)						
E23. Orbit Loca	tion:			E24. Country:					
E21. Common N	Name:			E22. ITU Name:					
Satellite Nam	ne:ALSAT ALL AUTH	ORIZED U.S. ALS	AT If you	ı selected	OTHER, please ente	er the following:			
E23. Orbit Loca	tion:			E24. Cou	intry:				
E23. Orbit Location:									
E21. Common N	ne:ALSAT ALL AUTH	ORIZED U.S. ALS	AI II you	ou selected OTHER, please enter the following: E22. ITU Name:					
C-4-114- NJ	AICATLAII AITTI	ODIZED H.C. I ALC	ATT If	1 1	OTHER ALLES	(1 C. 11			
E23. Orbit Loca	tion:			E24. Cou	ıntry:				
E21. Common N	Name:			E22. ITU	J Name:				
Satellite Nam	ne:ALSAT ALL AUTH	ORIZED U.S. ALS	AT If you	ı selected	OTHER, please ente	er the following:			
				•					
E23. Orbit Loca	tion:			E24. Cou	intry:				
E21. Common N	Name:			E22. ITU Name:					

			31.3 dBi at 3.95
			31.3 dBi at 3.95
			31.3 dBi at 3.95
			34.5 dBi at 6.138
			34.5 dBi at 6.138
			34.5 dBi at 6.138
			34.5 dBi at 6.138

E28. Antenna Id	E33/34. Diameter Minor/Major (meters)	E35. Above Ground Level (meters)	E36. Above Sea Level (meters)	Height Above Ground	Input Power at antenna flange 	Maximum Antenna Height	E40. Total EIRP for al carriers (dBW)
s2	1.0/1.0	1.52	45.7	0.0	17.47	1.52	46.9
s2	1.0/1.0	1.52	45.7	0.0	17.47	1.52	46.9
s2	1.0/1.0	1.52	45.7	0.0	17.47	1.52	46.9
s2	1.0/1.0	1.52	45.7	0.0	17.47	1.52	46.9

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 ERIP Density per Carrier (dBW/4kHz)
s2	3700 4200	R	Horizontal and Vertical	36M0G7D	0.0	0.0
E50. Modulation entirety.) Spread Spe	ectrum Digital		on does not appear in	this box, please go t	o the end of the form	to view it in its
s2	3700 4200	R	Horizontal and Vertical	36M0G7D	0.0	0.0
E50. Modulation entirety.)	n and Services (If the	ne complete descripti	on does not appear in	this box, please go t	o the end of the form	to view it in its
Spread Spe	ectrum Digital	Service				
s2	3700 4200	R	Horizontal and Vertical	36M0G7D	0.0	0.0

	50. Modulation ety.)	and Service	s (If th	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
	Spread Spe	ctrum Di	gital	Service				
s2		3700	4200	R	Horizontal and Vertical	36M0G7D	0.0	0.0
	Spread Spe				on does not appear in	this box, please go to	o the end of the form	to view it in its
s2		5925	6425	Т	Horizontal and Vertical	9M98G7D	46.9	13.0
	E50. Modulation rety.)			ne complete description		this box, please go to	o the end of the form	to view it in its
s2		5925	6425	Т	Horizontal and Vertical	9M98G7D	46.9	13.0

entirety.)	and Service ead Spec		ne complete description		this box, please go t	o the end of the form 46.9	to view it in its
SZ	13923	0423		Vertical	N D96IME	40.9	13.0
entirety.)	and Service	`	ne complete description		this box, please go t	o the end of the form	to view it in its
s2	5925	6425	Т	Horizontal and Vertical	9M98G7D	46.9	13.0
entirety.)	and Service		ne complete description		this box, please go t	o the end of the form	to view it in its
s2	5925	6425	Т	Horizontal and Vertical	36M0G7D	46.9	7.4

E50. Modulation entirety.)	and Service	s (If tl	he complete descripti	on does not appear in	n this box, please go t	o the end of the form	to view it in its
Full Trans	ponder S	pread	Spectrum Servi	.ce			
s2	5925	6425	Т	Horizontal and Vertical	36M0G7D	46.9	7.4
E50. Modulation entirety.) Full Trans			he complete descripti Spectrum Servi		n this box, please go t	o the end of the form	to view it in its
s2	5925	6425	Т	Horizontal and Vertical	36M0G7D	46.9	7.4
E50. Modulation entirety.)	and Service	s (If tl	he complete descripti	on does not appear in	n this box, please go t	o the end of the form	to view it in its
Full Trans	ponder S	pread	Spectrum Servi	.ce			
s2	5925	6425	Т	Horizontal and Vertical	36M0G7D	46.9	7.4

E50. Modulation entirety.)	and Services (If t	he complete description	on does not appear in	this box, please go t	o the end of the form	to view it in its
Full Trans	sponder Spread	Spectrum Servi	ce			
s2	5925 6425	Т	Horizontal and Vertical	18M0G7D	46.9	10.4
E50. Modulation entirety.) Half Trans		he complete description		this box, please go t	o the end of the form	to view it in its
s2	5925 6425	Т	Horizontal and Vertical	18M0G7D	46.9	10.4
E50. Modulation entirety.) Half Trans		he complete description		this box, please go t	o the end of the form	to view it in its
s2	5925 6425	Т	Horizontal and Vertical	18M0G7D	46.9	10.4

E50. Mod entirety.)	ulation an	nd Services (If	the complete descripti	on does not appear in	this box, please go to	o the end of the form	to view it in its		
Half	Transpo	onder Spread	Spectrum Servi	.ce2					
s2	59	925 6425	Т	Horizontal and Vertical	18M0G7D	46.9	10.4		
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.) Half Transponder Spread Spectrum Service2									
s2	59	925 6425	Т	Horizontal and Vertical	27M0G7D	46.9	8.6		
entirety.)		·	the complete descripti		this box, please go to	o the end of the form	to view it in its		
s2	59	925 6425	Т	Horizontal and Vertical	27M0G7D	46.9	8.6		

E50. Modul entirety.)	lation and Service	ces (If the	he complete d	escription does not appear	in this box, please	go to the end of t	he form to view it in it	ts
Half T	ransponder	Spread	Spectrum	Service1				
s2	5925	6425	Т	Horizontal and Vertical	27M0G7D	46.9	8.6	
entirety.) Half T	ransponder	Spread	Spectrum	Servicel				
s2	5925	6425	Т	Horizontal and Vertical	27M0G7D	46.9	8.6	
entirety.)	lation and Servio			escription does not appear Service1	in this box, please	go to the end of t	he form to view it in i	ts

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)
s2	Geostationary	3700 4200	25.0/ 135.0	122.4	23.16	251.9	10.82	0.0
	Geostationary	3700 4200	25.0/ 135.0	122.4	23.16	251.9	10.82	0.0
	Geostationary	3700 4200	25.0/ 135.0	122.4	23.16	251.9	10.82	0.0
	Geostationary	3700 4200	25.0/ 135.0	122.4	23.16	251.9	10.82	0.0
	Geostationary	5925 6425	25.0/ 135.0	122.4	23.16	251.9	10.82	-15.6
	Geostationary	5925 6425	25.0/ 135.0	122.4	23.16	251.9	10.82	-15.6
	Geostationary	5925 6425	25.0/ 135.0	122.4	23.16	251.9	10.82	-15.6
	Geostationary	5925 6425	25.0/ 135.0	122.4	23.16	251.9	10.82	-15.6

REMOTE CONTROL POINT LOCATION

E61. Call Sign	E65. Phone Number
NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.	

E62. Street Address			
E63. City	E67. County	E64/68. State/Country	E66. Zip Code

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