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Callsign/Satellite ID:

APPLICATION FOR EARTH STATION AUTHORIZATIONS

FCC Use Only

FCC 312 MAIN FORM FOR OFFICIAL USE ONLY

APPLICANT INFORMATION

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

Requesting authority to operate Ku-band satellite Earth Stations on Vessels ('ESV') 6.1m

1-	-8.	Legal	Name	of A	App]	licant
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Name: Stratos Offshore Services Phone Number: 504–323–2708

Company

DBA Fax Number: 504–323–2768

Name:

Street: 701 Poydras St. Suite 1550 E–Mail: sue.gibbs@stratosglobal.com

City: New Orleans State: LA

Country: USA Zipcode: 70139 -

Attention: Ms. Sue Gibbs

9–16. Name of Contact Representative

Name: Alfred Mamlet Phone Number: 202 429–6205

Company: Steptoe & Johnson LLP Fax Number: 202 429–3902

Street: 1330 Connecticut Ave NW E-Mail: amamlet@steptoe.com

City: Washington State: DC

Country: USA **Zipcode:** 20036–1795

Attention: Relationship: Legal Counsel

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

6 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?					
O Governmental Entity Noncomme	ercial educational licensee				
Other(please explain):					
17d.					
Fee Classification BGV – Fixed Satellite V	√SAT System				
18. If this filing is in reference to an	19. If this filing is an amendment to a pending a	application enter:			
existing station, enter:	(a) Date pending application was filed:	(b) File number of pending application:			
(a) Call sign of station:	Not Applicable	Not Applicable			
Not Applicable	Not Applicable	Not Applicable			
ГҮРЕ OF SERVICE					
20. NATURE OF SERVICE: This filing is f	for an authorization to provide or use the followin	g 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) Earth Station on Board Vessel					
6. Other (preuse speedly) Latti Station on Board vesser					

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			
Common Carrier Non–Common Carrier	Using Non–U.S. licensed satellites			
facilities:	service, see instructions regarding Sec. 214 filings. Choose one. Are these			
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 a	pplicable frequency band(s).			
a. C–Band (4/6 GHz) x b. Ku–Band (12/14 GHz)				
c.Other (Please specify upper and lower frequencies in MHz.)				
Frequency Lower: Frequency Upper:				
TANDE OF STATION				
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)12/14 GHz ESV Network				
26. TYPE OF EARTH STATION FACILITY: Choose only one.				
Transmit/Receive Transmit-Only Receive-Only N/A	Λ			

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 Rad Haz Study
ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aeronateronautical fixed radio station services are not required to respond to Items 30–34.	autical 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 O N/A

31. Is the applicant a corporation organized under the laws of any foreign government?	O Yes ⊗ 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 ⊗ No O 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.	Foreign Ownership
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
	FAA Notification

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.	O 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 attemptiing 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.	O 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.	O Yes	No
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, we coordinated or is in the process of coordinating the space station?	hat administr	ration has

43. Description. (Summarize the nature of the application and the services to be provided). (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

Applicant Stratos Offshore Services Company('Stratos Offshore') seeks authority to operate Ku-band Earth Stations on Board Vessels('ESVs') through a hub station in the United States.

6.1m ESV Narrative

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 r	next to applicable	response.)
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- Individual
- Unincorporated Association
- Partnership
- Corporation
- Governmental Entity
- Other (please specify)

45. Name of Person Signing Sue Gibbs		46. Title of Person Signing Regulatory Specialist	
47. Please supply any need attachments. Attachment 1: 25.222 Compliance	Attachment 2:	Attachn	nent 3:
		I	

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).

Location of Earth Station Site

E1: Site Identifier: Hub E5. Call Sign: E980235

E2: Contact Name N/A E6. Phone 337 761–2000

Number:

E3. Street: 1710 W. Willow E7. City: Scott

Street

E8. County: Lafayette

E4. State LA E9. Zip Code 70583

E10. Area of Operation: CONUS

E11. Latitude: 30 °18 '37.7 "N

E12. Longitude: 92 °3 '6.4 "W

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

E14. Site Elevation (AMSL): 11.6 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 as a technical analysis showing compliance with two–degree spacing policy.	⊚ Ye	es	O 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	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.	O 7	Yes	•) [No
T10 X C					
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	0 1	Yes	•) l	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	O 1	Yes	•) I	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.	1	Yes	•) I	No
POINTS OF COMMUNICATION	-				
Satellite Name:OTHER OTHER If you selected OTHER, please enter the following:					

E21. Common Name: ALSAT	E22. ITU Name: ALSAT			
E23. Orbit Location: N/A	E24. Country: USA			

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

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer		E32. Antenna Size <meters></meters>	E41/42. Antenna GainTransmint and/or Recieve (dBi atGHz)
Hub	Hub 1	0	Vertex	KPK	6.1	56.0 dBi at 12.0
						57.0 dBi at 14.0

Id	Diameter		(meters)	Height Above Ground Level 	Input Power at antenna flange (Watts)	Maximum Antenna Height	E40. Total EIRP for al carriers (dBW)
Hub 1	0.0/0.0	7.0	18.7	0.0	68.0	0.0	75.7

ſ	E28. Antenna Id	E43/44.	E45. T/R Mode	E46. Antenna	E47. Emission	E48. Maximum	E49. Maximum
		Frequency Bands		Polarization(H,V,	Designator	EIRP per Carrier	ERIP Density per
		(MHz)		L , R)		(dBW)	Carrier
							(dBW/4kHz)

Hub 1	11700.0000 12200.0000	R	Horizontal and Vertical	100KG7D	0.0	0.0
E50. Modulation entirety.)	and Services (If	the complete descript	ion does not appear	in this box, please	go to the end of t	he form to view it in its
QPSK, DATA						
Hub 1	11700.0000 12200.0000	R	Horizontal and Vertical	1M40G7D	0.0	0.0
QPSK, DATA						
Hub 1	11700.0000 12200.0000	R	Horizontal and Vertical	200KG7D	0.0	0.0
E50. Modulation entirety.)	and Services (If	the complete descript	ion does not appear	in this box, please	go to the end of t	he form to view it in its
QPSK, DATA						

Hub 1	11700.0000 12200.0000	R	Horizontal and Vertical	2M40G7D	0.0	0.0
E50. Modulation entirety.)	and Services (If	the complete descrip	otion does not appear	in this box, please	go to the end of t	he form to view it in its
QPSK, DATA						
Hub 1	11700.0000 12200.0000	R	Horizontal and Vertical	2M80G7D	0.0	0.0
QPSK, DATA						
Hub 1	11700.0000 12200.0000	R	Horizontal and Vertical	4M90G7D	0.0	0.0
E50. Modulation entirety.)	and Services (If	the complete descrip	otion does not appear	in this box, please	go to the end of t	he form to view it in its
QPSK, DATA						

Hub 1	14000.0000 14500.0000	Т	Horizontal and Vertical	100KG7D	53.0	39.0
E50. Modulation entirety.)	and Services (If t	he complete descript	ion does not appear	in this box, please	go to the end of th	ne form to view it in its
QPSK, DATA						
Hub 1	14000.0000 14500.0000	Т	Horizontal and Vertical	1M40G7D	65.5	39.8
QPSK, DATA						
Hub 1	14000.0000 14500.0000	Т	Horizontal and Vertical	200KG7D	56.8	39.8
E50. Modulation entirety.)	and Services (If t	he complete descript	ion does not appear	in this box, please	go to the end of th	ne form to view it in its
QPSK, DATA						

	14000.0000 14500.0000	T	Horizontal and Vertical	2M40G7D	65.8	37.8
E50. Modulation entirety.)	on and Services (If the complete d	escription does not appear	in this box, please	go to the end of the	ne form to view it in its
QPSK, DA	ГА					
Hub 1	14000.0000 14500.0000	Т	Horizontal and Vertical	2M80G7D	65.8	37.4
QPSK, DA	TA					
Hub 1	14000.0000 14500.0000	T	Horizontal and Vertical	4M90G7D	65.8	34.9
E50. Modulation	on and Services (If the complete d	escription does not appear	in this box, please	go to the end of the	ne form to view it in its
QPSK, DA	TA					

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc E/W Limit	Station Azimuth Angle	E57. Antenna Elevation Angle Eastern Limit	Station Azimuth Angle	Antenna Elevation	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
Hub 1	Geostationary	11700.0 12200.0	43.0/ 143.0	113.6	26.7	247.8	25.1	0.0
	Geostationary	14000.0 14500.0	43.0/ 143.0	113.6	26.7	247.8	25.1	-17.0

REMOTE CONTROL POINT LOCATION

E61. Call Sign	E61. Call Sign			
NOTE: Please enter the callsign of the control callsign for which this application is being filed.				
E62. Street Address				
E63. City	E67. County		E64/68. State/Country	E66. Zip Code

Location of Earth Station Site

E1: Site Identifier: Remote 4 E5. Call Sign: N/A

E2: Contact Name N/A E6. Phone 337 761–2000

Number:

E3. Street: 1710 W. Willow E7. City: Scott

Street

E8. County: Lafayette

E4. State LA E9. Zip Code 70583

E10. Area of Operation: CONUS

E11. Latitude: 0 °0 '0.0 "

E12. Longitude: 0 °0 '0.0 "W

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

E14. Site Elevation (AMSL): 0.0 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 as a technical analysis showing compliance with two–degree spacing policy.	⊚ Yes	O 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 Yes	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 Yes	•	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	O Yes	•	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	O 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.	O Yes	•	No
POINTS OF COMMUNICATION	.1		
Satellite Name:OTHER OTHER If you selected OTHER, please enter the following:			

E21. Common Name: ALSAT	E22. ITU Name: ALSAT
E23. Orbit Location: N/A	E24. Country: USA

E25. Site Identifier: Remote 4	
E26. Common Name:	E27. Country: USA

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer			E41/42. Antenna GainTransmint and/or Recieve (dBi atGHz)
Remote 4	Remote 4	150	Seatel	4006	1.0	39.6 dBi at 11.95
						41.7 dBi at 14.25

Id	Diameter	E35. Above Ground Level (meters)	(meters)	Height Above Ground	Input Power at antenna flange 	Maximum Antenna Height	E40. Total EIRP for al carriers (dBW)
Remote 4	0.0/0.0	0.0	0.0	0.0	8.0	0.0	43.54

E28. Antenna Id	E43/44.	E45. T/R Mode	E46. Antenna	E47. Emission	E48. Maximum	E49. Maximum
	Frequency Bands		Polarization(H,V,	Designator	EIRP per Carrier	ERIP Density per
	(MHz)		L,R)		(dBW)	Carrier
						(dBW/4kHz)

Remote 4	11700.0000 12200.0000	R	Horizontal and Vertical	100KG7D	0.0	0.0
E50. Modulation entirety.)	and Services (If t	he complete de	escription does not appear	in this box, please	go to the end of t	he form to view it in its
QPSK, DATA	1					
Remote 4	11700.0000 12200.0000	R	Horizontal and Vertical	200KG7D	0.0	0.0
QPSK, DATA						
Remote 4	11700.0000 12200.0000	R	Horizontal and Vertical	400KG7D	0.0	0.0
E50. Modulation entirety.)	and Services (If t	he complete de	escription does not appear	in this box, please	go to the end of t	he form to view it in its
QPSK, DATA	Δ					

Remote 4	11700.0000 12200.0000	R	Horizontal and Vertical	50K0G7D	0.0	0.0
E50. Modulation entirety.)	and Services (If t	he complete descrip	tion does not appear	in this box, please	go to the end of the	ne form to view it in its
QPSK, DATA						
Remote 4	14000.0000 14500.0000	Т	Horizontal and Vertical	100KG7D	39.8	26.2
QPSK, DATA						
Remote 4	14000.0000 14500.0000	Т	Horizontal and Vertical	200KG7D	42.8	26.2
E50. Modulation entirety.) QPSK, DATA		he complete descrip	tion does not appear	in this box, please	go to the end of the	ne form to view it in its

Remote 4	14000.0000 14500.0000	Т	Horizontal and Vertical	400KG7D	45.8	26.2
E50. Modulation entirety.) QPSK, DATA	,	he complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
Remote 4	14000.0000 14500.0000	Т	Horizontal and Vertical	50K0G7D	36.8	26.2
E50. Modulation entirety.) QPSK, DATA		he complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its

E28. Antenna Id		Frequency Limits(MHz)	Range of Satellite Arc E/W Limit	Station Azimuth Angle		E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
Remote 4	Geostationary	11700.0 12200.0	43.0/ 143.0	0.0	8.0	0.0	8.0	0.0

	Geostationary	14000.0 14500.0	43.0/ 143.0	0.0		8.0	0.0	8.0	-5.49	
REMOTE CO	REMOTE CONTROL POINT LOCATION									
E61. Call Sign E65. Phone Number										
callsign for wh	NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed. E62. Street Address									
E62 City										
E63. City			E67. County	/			E64/68. State/Country		E66. Zip Code	

E1: Site Identifier: Remote 3 E5. Call Sign: N/A E2: Contact Name N/A E6. Phone 337 761-2000 Number: 1710 W. Willow E7. City: E3. Street: Scott Street E8. County: Lafayette E4. State LA E9. Zip Code 70583 **CONUS** E10. Area of Operation:

⋒ NAD-83

N/A

E11. Latitude:

E12. Longitude:

E13. Lat/Lon Coordinates are:

E14. Site Elevation (AMSL):

0 °0 '0.0 " 0 °0 '0.0 "

NAD-27

0.0 meters

Location of Earth Station Site

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 as a technical analysis showing compliance with two–degree spacing policy.	⊚ Ye	es	O 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	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.	O 7	Yes	•) [No
T10 X C					
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	0 1	Yes	•) l	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	O 1	Yes	•) I	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.	1	Yes	•) I	No
POINTS OF COMMUNICATION	-				
Satellite Name:OTHER OTHER If you selected OTHER, please enter the following:					

E21. Common Name: ALSAT	E22. ITU Name: ALSAT
E23. Orbit Location: N/A	E24. Country: USA

E25. Site Identifier: Remote 3	
E26. Common Name:	E27. Country: USA

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer			E41/42. Antenna GainTransmint and/or Recieve (dBi atGHz)
Remote 3	Remote 3	150	Seatel	9797–32	2.4	47.49 dBi at 11.95
						48.99 dBi at 14.45

Id	E33/34. Diameter Minor/Major (meters)		(meters)	Height Above Ground Level 	Input Power at antenna flange 	Maximum Antenna Height	E40. Total EIRP for al carriers (dBW)
Remote 3	0.0/0.0	0.0	0.0	0.0	8.0	0.0	48.59

E28. Antenna Id	E43/44.	E45. T/R Mode	E46. Antenna	E47. Emission	E48. Maximum	E49. Maximum
	Frequency Bands		Polarization(H,V,	Designator	EIRP per Carrier	ERIP Density per
	(MHz)		L,R)		(dBW)	Carrier
						(dBW/4kHz)

Remote 3	14000.0000 14500.0000	Т	Horizontal and Vertical	100KG7D	39.73	21.22
E50. Modulation entirety.)	and Services (If	the complete descrip	tion does not appear	in this box, please	go to the end of the	e form to view it in its
QPSK, DATA						
Remote 3	14000.0000 14500.0000	Т	Horizontal and Vertical	1M40G7D	52.2	26.8
QPSK, DATA						
Remote 3	14000.0000 14500.0000	Т	Horizontal and Vertical	200KG7D	42.73	25.74
E50. Modulation entirety.) QPSK, Data		the complete descrip	tion does not appear	in this box, please	go to the end of the	e form to view it in its

14000.0000 14500.0000	Т	Horizontal and Vertical	2M40G7D	52.2	24.5
and Services (If	the complete de	escription does not appear	in this box, please	go to the end of th	ne form to view it in its
A					
14000.0000 14500.0000	Т	Horizontal and Vertical	2M80G7D	52.2	23.7
14000.0000 14500.0000	Т	Horizontal and Vertical	4M90G7D	52.2	21.3
a and Services (If	the complete d	escription does not appear	in this box, please	go to the end of th	ne form to view it in its
	14500.0000 1 and Services (If 14000.0000 14500.0000 14500.0000 14500.0000 1 and Services (If	14000.0000 1 and Services (If the complete de la	14500.0000 T Horizontal and Vertical 14000.0000 T Horizontal and Vertical and Services (If the complete description does not appear A Horizontal and Vertical 14000.0000 T Horizontal and Vertical 14000.0000 T Horizontal and Vertical 14000.0000 T Horizontal and Vertical and Services (If the complete description does not appear	14500.0000 Vertical	14500.0000 Vertical

Remote 3	11700.0000 12200.0000	R	Horizontal and Vertical	100KG7D	0.0	0.0
E50. Modulation entirety.)	on and Services (If	the complete de	escription does not appear	in this box, please	go to the end of t	the form to view it in its
DIGITAL D)ATA					
Remote 3	11700.0000 12200.0000	R	Horizontal and Vertical	1M40G7D	0.0	0.0
DIGITAL D	PATA					
Remote 3	11700.0000 12200.0000	R	Horizontal and Vertical	200KG7D	0.0	0.0
E50. Modulation entirety.)	,	the complete d	escription does not appear	in this box, please	go to the end of t	the form to view it in its

Remote 3	11700.0000 12200.0000	R	Horizontal and Vertical	2M40G7D	0.0	0.0
E50. Modulation entirety.)	n and Services (If the complete d	lescription does not appear	in this box, please	go to the end of t	he form to view it in its
DIGITAL D	ATA					
Remote 3	11700.0000 12200.0000	R	Horizontal and Vertical	2M80G7D	0.0	0.0
entirety.) DIGITAL D	ATA					
Remote 3	11700.0000 12200.0000	R	Horizontal and Vertical	4M90G7D	0.0	0.0
E50. Modulation entirety.)	n and Services (If the complete d	lescription does not appear	in this box, please	go to the end of t	he form to view it in its
DIGITAL D	ATA					

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)
Remote 3	Geostationary	11700.0 12200.0	43.0/ 143.0	0.0	5.0	0.0	5.0	0.0
	Geostationary	14000.0 14500.0	43.0/ 143.0	5.0	0.0	5.0	0.0	0.447

REMOTE CONTROL POINT LOCATION

E61. Call Sign		E65. Phone Number		
NOTE: Please enter the callsign of the control callsign for which this application is being filed.				
E62. Street Address				
E63. City	E67. County		E64/68. State/Country	E66. Zip Code

E1: Site Identifier: Remote 2 E5. Call Sign: N/A E2: Contact Name N/A E6. Phone 337 761-2000 Number: 1710 W. Willow E7. City: E3. Street: Scott Street E8. County: Lafayette E4. State LA E9. Zip Code 70583 **CONUS** E10. Area of Operation: E11. Latitude: 0 °0 '0.0 " 0 °0 '0.0 " E12. Longitude: E13. Lat/Lon Coordinates are: NAD-27 **⋒** NAD-83 N/A

0.0 meters

Location of Earth Station Site

E14. Site Elevation (AMSL):

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 as a technical analysis showing compliance with two–degree spacing policy.	⊚ Yes	O 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 Yes	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 Yes	•	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	O Yes	•	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	O 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.	O Yes	•	No
POINTS OF COMMUNICATION	.1		
Satellite Name:OTHER OTHER If you selected OTHER, please enter the following:			

E21. Common Name: ALSAT	E22. ITU Name: ALSAT
E23. Orbit Location: N/A	E24. Country: USA

E25. Site Identifier: Remote 2	
E26. Common Name:	E27. Country: USA

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer			E41/42. Antenna GainTransmint and/or Recieve (dBi atGHz)
Remote 2	Remote 2	150	Seatel	4996	1.2	39.6 dBi at 11.95
						41.7 dBi at 14.25

Id	Diameter	E35. Above Ground Level (meters)	E36. Above Sea Level (meters)		Input Power at antenna flange 	Maximum Antenna Height	E40. Total EIRP for al carriers (dBW)
Remote 2	0.0/0.0	0.0	0.0	0.0	4.0	0.0	46.57

E28. Antenna Id	E43/44.	E45. T/R Mode	E46. Antenna	E47. Emission	E48. Maximum	E49. Maximum
	Frequency Bands		Polarization(H,V,	Designator	EIRP per Carrier	ERIP Density per
	(MHz)		L,R)		(dBW)	Carrier
						(dBW/4kHz)
						(ub W/4KIIZ)

Remote 2	11700.0000 12200.0000	R	Horizontal and Vertical	50KG7D	0.0	0.0
E50. Modulation entirety.)	and Services (If	the complete descri	iption does not appear	in this box, please	go to the end of the	he form to view it in its
QPSK, DATA						
Remote 2	14000.0000 14500.0000	Т	Horizontal and Vertical	50KG7D	36.8	26.2
QPSK, DATA						
Remote 2	11700.0000 12200.0000	R	Horizontal and Vertical	100KG7D	0.0	0.0
E50. Modulation entirety.)	and Services (If	the complete descri	iption does not appear	in this box, please	go to the end of the	he form to view it in its
QPSK, DATA						

Remote 2	11700.0000 12200.0000	R	Horizontal and Vertical	200KG7D	0.0	0.0
E50. Modulation entirety.)	and Services (If t	he complete descrip	otion does not appear	in this box, please	go to the end of the	he form to view it in its
QPSK, DATA						
Remote 2	11700.0000 12200.0000	R	Horizontal and Vertical	400KG7D	0.0	0.0
QPSK, DATA						
Remote 2	14000.0000 14500.0000	Т	Horizontal and Vertical	100KG7D	39.8	26.2
E50. Modulation entirety.) QPSK, DATA		he complete descrip	otion does not appear	in this box, please	go to the end of the	he form to view it in its

Remote 2	14000.0000 14500.0000	Т	Horizontal and Vertical	200KG7D	42.8	26.2
E50. Modulation entirety.)	and Services (If the	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
QPSK, DATA						
Remote 2	14000.0000 14500.0000	Т	Horizontal and Vertical	400KG7D	45.8	26.2
E50. Modulation entirety.) QPSK, DATA	,	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its

E28. Antenna Id		Frequency Limits(MHz)	Range of Satellite Arc E/W Limit	Station	Antenna Elevation Angle	Station Azimuth Angle	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
Remote 2	Geostationary	11700.0 12200.0	43.0/ 143.0	0.0	0.0	0.0	0.0	0.0

	Geostationary	14000.0 14500.0	43.0/ 143.0	0.0		0.0	0.0	0.0	-5.44	
REMOTE CONTROL POINT LOCATION										
E61. Call Si	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	Į.			E64/68. State/Country	,	E66. Zip Code	

Location of Earth Station Site

E1: Site Identifier: Remote 1 E5. Call Sign: N/A

E2: Contact Name N/A E6. Phone 337 761–2000

Number:

E3. Street: 1710 W. Willow E7. City: Scott

Street

E8. County: Lafayette

E4. State LA E9. Zip Code 70583

E10. Area of Operation: CONUS

E11. Latitude: 0 °0 '0.0 "

E12. Longitude: 0 °0 '0.0 "

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

E14. Site Elevation (AMSL): 0.0 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 as a technical analysis showing compliance with two–degree spacing policy.	⊚ Ye	es	O 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	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.	O 7	Yes	•) [No
T10 X C					
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	0 1	Yes	•) l	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	O 1	Yes	•) I	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.	1	Yes	•) I	No
POINTS OF COMMUNICATION	-				
Satellite Name:OTHER OTHER If you selected OTHER, please enter the following:					

E21. Common Name: ALSAT	E22. ITU Name: ALSAT
E23. Orbit Location: N/A	E24. Country: USA

E25. Site Identifier: Remote 1	
E26. Common Name:	E27. Country: USA

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	Size <meters></meters>	E41/42. Antenna GainTransmint and/or Recieve (dBi atGHz)
Remote 1	Remote 1	300	Seatel	4003	1.0	39.63 dBi at 11.95
						41.73 dBi at 14.25

E28. Antenna Id	Diameter	E35. Above Ground Level (meters)	(meters)	Height Above Ground Level 	Input Power at antenna flange 	Maximum Antenna Height	E40. Total EIRP for al carriers (dBW)
Remote 1	0.0/0.0	0.0	0.0	0.0	4.0	0.0	43.54

E28. Antenna Id	E43/44.	E45. T/R Mode	E46. Antenna	E47. Emission	E48. Maximum	E49. Maximum
	Frequency Bands		Polarization(H,V,	Designator	EIRP per Carrier	ERIP Density per
	(MHz)		L,R)		(dBW)	Carrier
						(dBW/4kHz)
						(dBW

and Services (If th		Vertical			
and services (II th	ne complete description	on does not appear in	n this box, please g	go to the end of the fo	rm to view it in its
11700.0000 12200.0000	R	Horizontal and Vertical	200KG7D	0.0	0.0
11700.0000 12200.0000	R	Horizontal and Vertical	400KG7D	0.0	0.0
	Le complete description		n this box, please g	go to the end of the fo	orm to view it in its
2	12200.0000 and Services (If the services) 11700.0000 12200.0000	12200.0000 and Services (If the complete descripti 11700.0000 12200.0000 R	12200.0000 Vertical and Services (If the complete description does not appear in 11700.0000 R Horizontal and Vertical	12200.0000 Vertical and Services (If the complete description does not appear in this box, please games and services) 11700.0000 R Horizontal and Vertical 400KG7D	12200.0000 Vertical and Services (If the complete description does not appear in this box, please go to the end of the formula to the formul

Remote 1	11700.0000 12200.0000	R	Horizontal and Vertical	50K0G7D	0.0	0.0
E50. Modulation entirety.)	and Services (If t	he complete descripti	ion does not appear	in this box, please go	to the end of the form	n to view it in its
QPSK, DATA						
Remote 1	14000.0000 14500.0000	Т	Horizontal and Vertical	100KG7D	39.8	26.2
QPSK, DATA						
Remote 1	14000.0000 14500.0000	Т	Horizontal and Vertical	200KG7D	42.8	26.2
E50. Modulation entirety.)	and Services (If t	he complete descripti	on does not appear	in this box, please go	to the end of the form	n to view it in its
QPSK, DATA						

Remote 1	14000.0000 14500.0000	Т	Horizontal and Vertical	400KG7D	45.8	26.2
E50. Modulation entirety.)	and Services (If t	the complete descripti	on does not appear in	this box, please go to	o the end of the form	to view it in its
QPSK, DATA						
Remote 1	14000.0000 14500.0000	Т	Horizontal and Vertical	50K0G7D	36.8	26.2
E50. Modulation entirety.) QPSK, DATA		the complete descripti	on does not appear in	this box, please go to	o the end of the form	to view it in its

E28. Antenna Id		Frequency Limits(MHz)	Range of Satellite Arc E/W Limit	Station	Antenna Elevation Angle Eastern Limit	Station Azimuth Angle	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
Remote 1	Geostationary	11700.0 12200.0	43.0/ 143.0	0.0	0.0	0.0	0.0	0.0

	Geostationary	14000.0 14500.0	43.0/ 143.0	0.0	0.0	0.0	0.0	-5.49
REMOTE CO	NTROL POIN	T LOCATION	Ī	•	•	<u>.</u>	•	·
E61. Call Si	gn				E65. Phone I	Number		
	se enter the calls	-	-	ot the				
E62. Street A	Address							
E63. City			E67. Coun	ty		E64/68. State/Count	try	E66. Zip Code

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