Date & Time Filed: File Number: ---

FCC APPLICATION FOR SPACE AND EARTH STATION:MOD OR AMD -MAIN FORM

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: Modification to Add New Ku-band ESV Terminals

1-8. Legal Name of Ap	plicant		
Name: RigNet	SatCom, Inc.	Phone Number:	281-674-0150
DBA Name:		Fax Number:	281-674-0101
Street: P.O. Boz	x 941629	E-Mail:	raul.magallanes@rig.net
City: Houston	l	State:	TX
Country: USA		Zipcode:	77094 -
Attention: Mr. Rau	l Magallanes		
9-16. Name of Contact	Representative		
Name: Carlos N	Valda	Phone Number:	5713325626
Company: LMI Ad	visors	Fax Number:	
Street: 2550 M	Street NW	E-Mail:	cnalda@lmiadvisors.com
Suite 34	5		
City: Washing	gton	State:	DC
Country: USA		Zipcode:	20037-
Attention: Mr. Carl	os Nalda	Relationship:	Other
CLASSIFICATIO	N OF FILING		

17. Choose the button next to the classification	
that applies to this filing for both questions a.	(N/A) b1. Application for License of New Station
and b. Choose only one for 17a and only one	(N/A) b2. Application for Registration of New Domestic Receive-Only Station
for 17b.	• b3. Amendment to a Pending Application
<u>_</u>	● b4. Modification of License or Registration
a1. Earth Station	b5. Assignment of License or Registration
• a2. Space Station	b6. Transfer of Control of License or Registration
	• 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
	(N/A) b10. Other (Please specify)
	(N/A) 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.
17a. Is a fag submitted with this application?	

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 CGB - Mobile Satellite Earth Stations

8 8	19. If this filing is an amendment to a pending application enter both fields, if this filing is a modification please enter only the file number:						
(a) Call sign of station: E980235	(a) Date pending application was filed:	(b) File number:					

TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provide or u	
20. NATURE OF SERVICE: This filling is for an authorization to provide of u	se the following type(s) of service(s): Select all that apply:
X a. Fixed Satellite	
b. Mobile Satellite	
C. Radiodetermination Satellite	
\Box d. Earth Exploration Satellite	
\Box e. Direct to Home Fixed Satellite	
☐ f. Digital Audio Radio Service	
g. Other (please specify)	
ESV	
21. STATUS: Choose the button next to the applicable status. Choose only	22. If earth station applicant, check all that apply.
one.	Using U.S. licensed satellites
Common Carrier Non-Common Carrier	Using Non-U.S. licensed satellites
23. If applicant is providing INTERNATIONAL COMMON CARRIER service Connected to a Public Switched Network Not connected to a Public Sw	
24. FREQUENCY BAND(S): Place an 'X' in the box(es) next to all applicable a. C-Band (4/6 GHz) b. Ku-Band (12/14 GHz)	nequency dand(s).
C.Other (Please specify upper and lower frequencies in MHz.)	
Frequency Lower: Frequency Upper: (Please specify additional freque	ncies in an attachment)
	STATION
25. CLASS OF STATION: Choose the button next to the class of station that a	
	pplies. Choose only one.
• a. Fixed Earth Station	
• b. Temporary-Fixed Earth Station	
• c. 12/14 GHz VSAT Network	
• d. Mobile Earth Station	
• e. Geostationary Space Station	
• f. Non-Geostationary Space Station	
• g. Other (please specify) ESV	
26. TYPE OF EARTH STATION FACILITY:	
Transmit/Receive O Transmit-Only O Receive-Only O N/2	A
"For Space Station applications, select N/A."	
PURPOSE OF N	MODIFICATION
27. The purpose of this proposed modification is to: (Place an 'X' in the box(e	s) next to all that apply.)
a authorization to add new emission designator and related service	
b authorization to change emission designator and related service	
C authorization to increase EIRP and EIRP density	
d authorization to replace antenna	
e authorization to add antenna	
\square f authorization to relocate fixed station	
\square g authorization to change frequency(ies)	
\Box h authorization to add frequency	
u i authorization to add Points of Communication (satellites & countries)	
\Box_j - authorization to change Points of Communication (satellites & countri	es)
\Box_k authorization for facilities for which environmental assessment and	
radiation hazard reporting is required	
□ 1 authorization to change orbit location	
m authorization to perform fleet management	
\square n authorization to extend milestones	
So Other (Please specify)	
ENVIRONME	NTAL POLICY

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. <u>A Radiation Hazard Study must accompany all</u> applications for new transmitting facilities, major modifications, or major amendments.

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?	O Yes ♥ 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} ● _{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} O _{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.	O 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.	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	♥ 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} ○ _{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 <i>47 C.F.R. 25.137, as appropriate</i> . If No, proceed to question 43.	, ● _{Yes} O _{No}
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what ad is in the process of coordinating the space station?Permitted List	lministration has coordinated or
43. Description. (Summarize the nature of the application and the services to be provided). RigNet SatCom seeks to me blanket authorization, Call Sign E980235, by adding two (2) new ESV terminal types to the license and arc for its previously licensed ESV terminals.	odify its existing ESV nd expanding the satellite
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.

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 Raul Magallanes 46. Title of Person Signing VP, CCO

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)

FOR OFFICIAL USE ONLY

Location of Earth Station Site									
E1: Site Identifier:	Site Identifier: ESV R-14 E5. Call Sign:								
E2: Contact Name	2: Contact Name NOC E6. Phone Number:								
E3. Street:	t: 15115 Park Row Blvd. E7. City: Houston								
	Suite 300	E8. County:	Harris						
E4. State	TX	E9. Zip Code	77084						
E10. Area of Operation:		U.S. and international wat	ers						
E11. Latitude:									
E12. Longitude:	0 ° 0 ' 0.0 "								
E13. Lat/Lon Coordinates are	o _{NAD-83}	3 ● N/A		N/A					
E14. Site Elevation (AMSL):									
E15. If the proposed antenna(s) antenna(s) comply with the ar- manufacturer's qualification m spacing policy.		• Yes	o _{No}	o _{N/A}					
E16. If the proposed antenna(s Service (FSS) with non-geosta specified in Section 25.209(a2		• _{Yes}	ο _{No}	● _{N/A}					
E17. Is the facility operated by	ol point.	• Yes • No							

plot of co	pordination c	ontours a	as						he country(ie	s) and	• Yes	• No			
notificati FAA's st FAILUR	udy regardi	ed, have ng the p IPLY W	e you atta otential	ached a co hazard of	opy of a of f the stru	comple cture t	eted FC(to aviation	C Form on?	here FAA 1854 and/or 1 Γ IN THE R		N o Yes	• No			
	F COMMUNI														
	Name:PERN		LIST	f you sele	cted OTH	IER, p									
	nmon Name	:							U Name:						
	oit Location:]	E24. Co	ountry:						
	F COMMUNI			on Points)											
	nmon Name		+						7. Country: U	ISA					
								152		50A					
Site	E28. Antenna Id	E29. Quantit		E30. Ifacturer	E31. Model	Ant	32. enna ize	E		nna Gain Transmint and/or (dBi atGHz)					
R-14	ESV R-14	250	Sea Te	el	24	0.6		35.3 dB	i at 12.0000						
ESV R-14 E	ESV R-14	250	Sea Te	el	USAT- 24	0.6	,	36.0 dB	i at 14.0000						
E28. Antenna Id	E33/34. Diameter E35. Above E36. Above Height Above Input Power Ante						. Maximur enna Heigl Above ftop(meter	nt E40. Total EIRP for al							
ESV R- 14	0.0/0.0		0.0		0.0		0.0		6.8	0.0		44.33			
FREQUEN E28. Antenna Id	E43/4	ncy	E45. T/R Mode	E46. Aı larizatioi		211	E47. mission signator		18. Maximun EIRP per arrier(dBW)		Den	ximum ERIP sity per (dBW/4kHz)			
Iu		I 0(R Ho	orizontal a	nd Vertic	al 10M	17G7W	0.0		0.	.0				
ESV R- 14	11700 1220			Modulation and Services Digital Data R- 14000 14500 T Horizontal and Vertical 128KG7W 29.3 14.27											
ESV R- 14 E50. Mod ESV R-					nd Vertic	al 128	KG7W	29.3		14	4.27				
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DEFNOTE CONTROLFOINT LOCATION Effect. Cell Sign Effect. Cell Sign Effect. Select Address. SOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being fact. Effect. 574-0130 NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being fact. Effect. 274.0130 F62. Stort Address SATELLITE EARTH STATION AUTHORIZATIONS Effect. 270.084 FCC Form 312 - Schedule B: (Technical and Operational Description) For OFFICIAL USE ONLY Effect. 270.084 Excation of Farth Station Site E1: State Edontifier: FSV R-15 E3. Call Sign: FSC. 280.0000 E2: Control Nome NOCC F6 Phone Number: 281.674-0130 E4.574.0130 E3: Street: 15115 Park Row Blvd. E7. Ciry: Houston E4. Concort: Harris F1. Attinac 0 ° 0 '0.0 ° E3. Concort: U.S. and international waters F11.1 attinac 0 ° 0 '0.0 ° F1.1 attinac 0 ° 0 '0.0 ° E4. State: ONAD-27 QNAD-83 N/A E1.4 State Evaluation (MMEL) 0.0 meera Pres: ONo No No F1.4 Attinac Continuits are: ONAD-27 QNAD-83 N/A E4.5 State:	Geostationary	14000 14500	1.0/180.0	0.0	5.0	0.0	5.0	-7.21			
281-674-0130 281-674-0130 Res. Sure 1 Address 53115 Park Row Blvd. 153115 Park Row Blvd. 1608. County Harris 167768. SATELLITE EARTH STATION AUTHORIZATIONS FaneCounty FCC Form 312 - Schedule B:(Technical and Operational Description) 16778. Lection of Lamb Station Site E5. Call Sign: E1: Sine Identifier ESV R-15 E5. Call Sign: E2: Street Address State County Houston State 300 FR County: Houston Lection of Lamb Station Site E5. Call Sign: 16. County: E1: Sine Identifier: ESV R-15 E5. Call Sign: E2: Contact Name NOC E6. Phone Number: 281-674-0130 E3: Steet: 15115 Park Row Blvd. E7. Call's Houston E4: Size of County: Harris FR For Oxford E1: Anginue: 0*0*0.0.* E1. State 7084 E1: Anginue: 0*0*0.0.* E1. State 7084 E1: Anginue: 0.0.* County: E1. State State ONAD-27 ONAD-83 N/A E1: Stripproposed antennate) operate in the Fixed St	REMOTE CONTROL POI	NT LOCATION				,					
Bild. E2 Street Address 15115 Park Row Blvd. Strite 300 E63. City Harris Huston TX USA SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description) FOR OFFICIAL USE ONLY Location of Earth Station Size 1:: Stat Identifier E5V R-15 1:: Stat Identifier E1SV R-15 1:: Status Statis 300 1:: Status E3V R-15 1:: Status	E61. Call Sign										
15115 Park Row Blvd. Suite 300 E63. Conty Harris E67/68. State Conty TX/ USA E67/68. State Conty TX/ USA E64. Zip Code SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description) FOR OFFICIAL USE ONLY FOR OFFICIAL USE ONLY FOR OFFICIAL USE ONLY Lection of Famth Station Stie E.S. Scalt Sign: E.2. Contact Name NOC E5. Call Sign: E.2. Contact Name NOC F6. Phone Numher: 281-674-0130 281-674-0130 E.S. Call Sign: E.2. Contact Name NOC F6. Phone Numher: 281-674-0130 281-674-0130 E.S. Call Sign: E.2. Contact Name NOC F6. Phone Numher: 281-674-0130 281-674-0130 E.S. Call Sign: E.2. Contact Name NOC F6. Phone Numher: 281-674-0130 281-674-0130 E.5. Call Sign: E.2. Contact Name NOC F6. Phone Numher: 281-674-0130 281-674-0130 E.5. Call Sign: E.2. Contact Name NOC F6. Phone Numher: 281-674-0130 281-674-0130 E.5. Call Sign: E.1. StateLoa Coordinates and TX E9. Zip Code 77084 E.5. Call Sign: E.1. StateLoa Coordinates are: 1.1. StateLoa Coordinates are: 1.1. StateLoa Coordinates are: 1.1. StateLoa Coordinates are: 1.1. StateLoa		ign of the controlli	ng station, not the	callsign for whi	ich this applic	cation is being					
Suite 300 He3. City Houston He3. City Houston Karris Karri	E62. Street Address										
E43. City Houston E44. County Harris E54. County Harris E54. Cap State County TX/ USA E64. Zap Code (77084 SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B: (Technical and Operational Description) FCC Form 312 - Schedule B: (Technical and Operational Description) FCC Form 312 - Schedule B: (Technical and Operational Description) Location of Earth Station Site E1: Site Identifier: ESV R-15 ES: Coulat Nume NOC E3: County: Harris Street: O NO Suite 300 E3: Acounty: Harris E1: Aution: O NAD-27 O NAD-83 O NAD-27 O NAD-83 O NAD-27 O NAD -83 O NAD -27 O NAD -83 O NAD -27 O NAD -83 O NAD -27 O NAO O NAD -27 O NAO O NAO -27 O NAO <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>											
Houston Harris Sufficiency Controls To Con				1							
TX/ USA 170084 SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description) FOR OFFICIAL USE ONLY FOR OFFICIAL USE ONLY Eastend dentifier: ESV R-15 ESV R-15 <td colspan<="" td=""><td></td><td></td><td></td><td></td><td>nty</td><td></td><td></td><td></td><td></td><td></td></td>	<td></td> <td></td> <td></td> <td></td> <td>nty</td> <td></td> <td></td> <td></td> <td></td> <td></td>					nty					
FCC Form 312 - Schedule B:(Technical and Operational Description) FOR OFFICIAL USE ONLY Exclusion Site Exclusion Site <td colsp<="" td=""><td>liousion</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	<td>liousion</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	liousion									
FCC Form 312 - Schedule B:(Technical and Operational Description) FOR OFFICIAL USE ONLY Interview of Earth Station Site E1: Site Identifier: ESV R-15 ES. Call Sign: E2: Contact Name NOC E6. Phone Number: 281-674-0130 E3. Street: 15115 Park Row Blvd. E7. Clip: Houston Surie 300 E8. County: Harris E4. State TX E9. Zp Code 7084 F10. Area of Operation: U.S. and international waters E12. Longitude: 0° 0' 0.0 " E13. Lawlon Coordinates are: O.NAD-27 ONAD-83 • N/A F14. Site Elevation (AMSL): O.0 meters • N/A E14. Site Elevation (AMSL): O.0 meters • Yes • No E15. If the proposed antennage and patterns specified in Section 25:209(a) and (b) as demonstrated by the manufacture's qualification measurement? If NO, provide as a technical analysis showing compliance with two degree specified in Section 25:209(a) and (b) as demonstrated by the manufacture's qualification report as patterns specified in Section 25:209(a) and (b) as demonstrated by the manufacture's qualification report as patterns specified in Section 25:209(a) and (b) as demonstrated by the mature anging patterns specified in Section 25:209(a) and (b) as demonstrated by the mature anging patterns specified in Section 25:209(a) and (c) as demo		SATEI	LITE EAR	TH STATI	ION AUT	THORIZA	TIONS				
FOR OFFICIAL USE ONLY Lecation of Earth Station Site ESV R-15 E5. Call Sign: E1: Site Identifier: ESV R-15 E5. Call Sign: E2: Contact Name NOC E6. Phone Number: 281-674-0130 E3. Street: 15115 Park Row Blvd. E7. City: Houston Stite 300 E8. County: Harris 4. E10. Area of Operation: U.S. and international waters E11. Lulicodc: 0°0'0.0." E11. Lulon Coordinates are: ONAD-27 ONAD-83 ©N/A E13. Lulon Coordinates are: ON On meters 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) conjection the Fixed Satellite Service (FSS) with geostationary satellites. Solves) $\P' Yes \circ N_0 \circ N_i$ E16. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites. Solves) $\P' Yes \circ N_0 \circ N_i$ Service (FSS) with non-geostationary satellites. Solves) the proposed antenna(s) congentary s	FC							tion)			
Location of Earth Station Site E1: Site Identifier: ESV R-15 E5. Call Sign: E2: Contact Name NOC E6. Phone Number: 281-674-0130 E3. Strete: 15115 Park Row Blvd. F7. City: Houston Suite 300 E8. County: Harris E4. State TX E9. Zip Code 77084 E10. Area of Operation: U.S. and international waters E11. Latitude: 0°0'0'0.0" E12. Longitude: 0°0'0.0" E12. Longitude: 0°0'0.0" E13. Lat/Lon Coordinates are: ONAD-27 ONAD-83 ON/A E14. Site Elevation (AMSL): 0.0 meters E15. If the proposed antenna(s) operate in the Fixed Statellite Service (FSS) with geostationary satellites, do(s) 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 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 specified in Section 25.209(a) and (b) as demonstrated by the control and the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the control and the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by 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 measurements? E17. Is the facility operate by remote control? If YES, attach a frequency coordination required? If YES, attach a frequency coordination required? If YES, attach the name of the control gives No			Schedule	Di(Iteliin	icui unu	operation	ii Deserip	(ion)			
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Suite 300E8. County:HarrisE4. StateTXE9. Zip Code77084E10. Area of Operation:U.S. and international watersE11. Latitude:0 ° 0 ' 0.0 "E12. Longitude:0 ° 0 ' 0.0 "E13. Lat/Lon Coordinates are: $\bigcirc NAD-27$ $\bigcirc NAD-83$ E14. Site Elevation (AMSL):0.0 metersE15. 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.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 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. $\heartsuit Yes$ $\heartsuit No$ $\heartsuit N_s$ 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 the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurements? $\heartsuit Yes$ $\heartsuit No$ E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point. $\heartsuit Yes$ $\heartsuit No$ E18. Is frequency coordination required? If YES, attach the name of the country(ies) and plot of coordination contours as $\circlearrowright Yes$ $\circlearrowright No$ E20. FAA Notification - (See 47 CFR PART 17 and 47 CFR part 25.113(c)) Wher			Row Blvd			1001.		/150			
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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? \u03c6 Yes \u03c6 No \u03c6 Yes \u03c6	antenna(s) comply with the an manufacturer's qualification r	ntenna gain patteri	ns specified in Sect	tion 25.209(a) a	ind (b) as dem	onstrated by the	•	_	o _{No}	o _{N/A}	
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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? Yes Yes No 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:PERMITTED LIST If you selected OTHER, please enter the following: E22. ITU Name: E23. Orbit Location: E24. Country: E24. Country:	E18. Is frequency coord	lination require	d? If YES, atta	ch a frequen	cy coordina	ation report a	s	O Yes	۲	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. POINTS OF COMMUNICATION Satellite Name: PERMITTED LIST If you selected OTHER, please enter the following: E21. Common Name: E23. Orbit Location: E23. Orbit Location: POINTS OF COMMUNICATION (Destination Points)	E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as								۲	No	
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? Yes FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION. No POINTS OF COMMUNICATION Satellite Name:PERMITTED LIST If you selected OTHER, please enter the following: E21. Common Name: E22. ITU Name: E23. Orbit Location: E24. Country:	1		Part 17 and 4	7 CFR nart	25.113(c))	Where FAA		-			
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E23. Orbit Location: E24. Country: POINTS OF COMMUNICATION (Destination Points)			If you selected	OTHER, ple	1	<u> </u>					
POINTS OF COMMUNICATION (Destination Points)											
					E24	. Country:					
E25. Site Identifier: ESV R-15			on Points)								
	E25. Site Identifier: ESV	V R-15									

E26. Common Name:

ANTENNA

E27. Country: USA

Site ID	E28. Antenna Id	E29. Quanti	ty N		E30. facturer	E31. Model		E32. Antenna Size		E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)								
ESV R-15	ESV R-15	250	S	ea Te	2	USAT- 30	0.75		3	87.3 dB	i at 12.0000							
ESV R-15	ESV R-15	250	S	ea Te		USAT- 30	0.75	0.75		39.0 dBi at 14.2500					39.0 dBi at 14.2500			
E28. Antenn Id		E33/34. Diamete Minor/Major(meto		E35. Above Ground Level(meters)		E36. A Sea Level(m	a	Height Above In		Above Input Power			leight Above Input Pow		er 🛛 A			
ESV R- 15	0.0/0.0			0.0		0.0		0.0			3.0				48.03			
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REMOTE CONTROL POINT LOCATION E61. Call Sign E66. Phone Number NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed. E66. Phone Number																		
E62. Stree 15115 P Suite 30	ark Row Blv	d.																
E63. City Houston								Harris State/Country Code				E64. Zip Code 77084						

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