FCC 312 Main Form	Approved by OMB 3060-0678 Est. Avg.Burden Hours	FCC Use Only File Number:
FEDERAL COMMUNICATIONS COMMISSION	Per Response: 11 Hrs.	Call Sign:
APPLICATION FOR SATELLITE SPACE AND EARTH STATION AUTHORIZ	LATIONS	Fee Number:

	APPLICANT	Γ INFORMATIO	N E-Mail: johnqpub	lic@fcc.gov
1. Legal Name of Applicant			2. Voice Telepl	none Number
Satellite	Earth Station Company, Inc.		(20	2) 555-2222
3. Other Name Used for Doing <b>d/b/a Ea</b>	Business (if any) rth Broadcasting Network		4. Fax Telepho	ne Number (2) 555-3333
5. Mailing Street Address or P.			6. City	
	Street, N.W.		Washington	
ATTENTION: John	Q. Public		7. State / Country (if not U.S.A.) <b>DC / USA</b>	8. Zip Code <b>20554</b>
9. Name of Contact Representa	•		10. Voice Telep	
*	. Everyman, Esq.			2) 555-1111
11. Firm or Company Name			12. Fax Teleph	one Number
Offices	of David M. Everyman			2) 555-4444
13. Mailing Street Address or F			14. City	
	Street, N.W.		Washington	
Suite 88  ATTENTION: Susai	n Q. Lawyer		15. State / Country (if not U.S.A)  DC / USA	16. Zip Code <b>20554</b>
	CLASSIFICA	ATION OF FILIN	E-Mail: susanqla	wyer@fcc.gov
17. Place an "X" in the box nex	t to the classification that applies to this filing for both questions a. and b. M	Mark only one box for 17a	and only one box for 17b.	
	b1. Application for License of New Station	b6. Transfer of	Control of License or Registration	
X a1. Earth Station	b2. Application for Registration of New Domestic Receive-Only Station	b7. Notification	n of Minor Modification	
	b3. Amendment to a Pending Application	b8. Application	for License of New Receive-Only Stati	on Using Non-U.S. Licensed Satellite
a2. Space Station	b4. Modification of License or Registration	b9. Letter of In	tent to Use Non-U.S. Licensed Satellite	to Provide Service in the United States
	b5. Assignment of License or Registration	b10. Other (Ple	ase Specify):	
18. If this filing is in reference Call sign of station:	to an existing station, enter:		n amendment to a pending application eng g application was filed:	nter: (b) File number of pending application:

### TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provide or use the following type(s) of service						
X       a. Fixed Satellite       c. Radiodetermination Satellite       e. Direct to Home Fixed         b. Mobile Satellite       d. Earth Exploration Satellite       f. Digital Audio Radio So						
21. STATUS: Place an "X" in the box next to the applicable status. Mark only one box.	22. If earth station applicant, place an "X" in the box(es) next to all that apply.					
a. Common Carrier	<b>X</b> a. Using U.S. licensed satellites b. Using Non-U.S. licensed satellites					
a. Common Carrier	a. Using U.S. neclised satellites					
23. If applicant is providing INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec.	214 filings. Mark only one box. Are these facilities:					
a. Connected to the Public Switched Network b. Not conn	ected to the 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)						
	CITE A TEXON					
TYPE OF	STATION					
25. CLASS OF STATION: Place an "X" in the box next to the class of station that applies. Mark only one box	— f Other					
X a. Fixed Earth Station b. Temporary-Fixed Earth Station c. 12/14 GHz VSAT Network	d. Mobile Earth Station e. Space Station (Specify)					
If space station applicant, go to Question 27.						
26. TYPE OF EARTH STATION FACILITY Mark only one box.  a. Transmit/Receive  b. Transmit-Only  c. Receive-Only						
a. Transmit/Receive b. Transmit-Only X c. Receive-Only						
PURPOSE OF MODIFICA	ATION OR AMENDMENT					
27. The purpose of this proposed modification or amendment is to: Place an "X" in the box(es) next to all that	apply.					
a authorization to add new emission designa						
b authorization to change emission designat c authorization to increase EIRP and EIRP of						
d authorization to increase EIKT and EIKT d	Kilsity					
e authorization to add antenna						
f authorization to relocate fixed station g authorization to change assigned frequenc	ry(ion)					
h authorization to add Points of Communica	• ` '					
i authorization to change Points of Communication (satellites & countries)						
j authorization for facilities for which environmental assessment and radiation hazard reporting is required						
k Other (Please Specify)						
ENVIRONMEN	NTAL POLICY					
28. Would a Commission grant of any proposal in this application or amendment have a significant environment of YES, submit the statement as required by Sections 1.1308 and 1.1311 of the Commission's rules, 47 C.F.R. §	tal impact as defined by 47 CFR 1.1307?  \$1.1308 and 1.1311, as an axhibit to this application.  YES X NO					
A Radiation Hazard Study must accompany all applications as an exhibit for new transmitting facilities, major is						

### ALIEN OWNERSHIP

29. Is the applicant a foreign government or the representative of any foreign government?	YES	X NO	
30. Is the applicant an alien or the representative of an alien?	YES	X NO	
31. Is the applicant a corporation organized under the laws of any foreign government?	YES	X NO	
32. Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	☐ YES	X NO	
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	X NO	
34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit, the 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	X NO	
36. Has the applicant or any party to this application had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explanation of the circumstances.	YES	X NO	
37. Has the applicant, or any party to this application, or any party directly or indirectly controlling the applicant ever convicted of a felony by any state or federal court? If Yes, attach as an exhibit, an explanation of the circumstance	r been VES	X NO	
38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of cort If Yes, attach as an exhibit, an explanation of the circumstances.	ol of	X NO	
39. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending mat referred to in the preceding two items? If Yes, attach as an exhibit, an explanation of the circumstances.	tter YES	X NO	
40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, addresse stockholders owning of record and/or voting 10 percent or more of the Filer's voting stock and the percentages so control, indicate the beneficiary(ies) or class of beneficiaries. Also list the names and addresses of the officers an	o held. In the case of fiduciary		
41. By checking Yes, the undersigned certifies, that neither the applicant nor any other party to the application is subj Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Sec of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the conviction of the Anti-Drug Act of 1988, 21 U.S.C. Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5401 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5401 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5401 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5401 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5401 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5401 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5401 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5401 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5401 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5401 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5401 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5401 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5401 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5401 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5401 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5401 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5401 of the Anti-Drug Act of 1988, 21 U.S.C. Section 5401 of the Anti-Drug Act of 1988,	ection 862, because	□ 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.	te. YES	X NO	
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what administration has coordinated or is in the process of coordinating the space station?			

This is an exa one (1) antenr	ummarize the nature of the application and the services to be providently an application for registration of a new Domestic na that is remotely controlled and is used only for receptions.	Receive Only earth station. This s	tation includes ed satellites
(ALSAT).			
Exhibit No.	Identify all exhibits that are attached to this application.		
1	Frequency Coordination Report		
		<b>A</b>	
		<b>A</b> ()	
	CERTII	FICATION	
the previous use of application would and are incorpora	aives any claim to the use of any particular frequency or of the elect of the same, whether by license or otherwise, and requests an autho d not cause the applicant to be in violation of the spectrum aggregate ated herein as if set out in full in this application. The undersigned, in all attached exhibits are true, complete and correct to the best of h	rization in accordance with this applicatio ion limit in 47 CFR Part 20. All statemen individually and for the applicant, hereby	n. The applicant certifies that grant of this its made in exhibits are a material part hereof certifies that all statements made in this
44. Applicant is a (a	an): (Place an "X" in the box next to applicable response.)		
a. Individual	b. Unincorporated Association c. Partnership X d. Cor	poration e. Governmental Entity	f. Other (Please specify)
45. Typed Name of Perso	on Signing	46. Title of Person Signing	
John Q. Publ	lic	Managing Director	
47. Signature			48. Date
			October 15, 1998
(U.S. Code	FALSE STATEMENTS MADE ON THIS FORM A c, Title 18, Section 1001), AND/OR REVOCATION O 2(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 4	OF ANY STATION AUTHORIZA	ND/OR IMPRISONMENT ATION (U.S. Code, Title 47,

LITE EARTH STATION AUTHORIZATIONS	Page 1: Location
·	icense/Registration Notification of Minor Modification
individual Schedule B, Page 1 sheets for each hub stati nications, and Destination Points for each hub and rem	ote station.
B1c. Telephone Number	B1j. Geographic Coordinates N/S, Deg Min Sec E/W Coordinates are:
B1e. Name of Contact Person	Lat. 38 54 01.1 N NAD-27 O2.2 W NAD-83
B1h. State   B1i. Zip Code     <b>DC</b>   <b>20554</b>	B11. Site Elevation (AMSL)  100.0 meters
ons of all satellites with which this earth station will cons of all satellite facilities licensed by the U.S. All non-	mmunicate. The entry "ALSAT" is sufficient to U.S. licensed satellites must be listed individually.
ellite Name and Orbit Location	Satellite Name and Orbit Location
ensed satellites. For each non-U.S. licensed satellite fa	acility identified in section B2 above, specify the bd by this earth station via each non-U.S. licensed
point(s) (countries) where the services will be provide stem. Use additional sheets as needed.	ed by this earth station via each non-U.S. licensed
point(s) (countries) where the services will be provide stem. Use additional sheets as needed.	ed by this earth station via each non-U.S. licensed
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	Amendment to a Pending Application Modification of Learn or VSAT remote facility, specify area of operation and individual Schedule B, Page 1 sheets for each hub statinications, and Destination Points for each hub and remarked B1c. Telephone Number    B1c. Telephone Number

### SATELLITE EARTH STATION AUTHORIZATIONS

FCC Form 312 - Schedule B: (Technical and Operational Description)

B4. Earth Station Antenna Facilities: Use additional pages as needed.

(a) Site ID*	(b) Antenna ID**	(c) Quantity	(d) Manufacturer	(e) Model	(f) Antenna Size (meters)	(g) Antenna Gain Transmit and/or Receive ( dBi at GHz)
SITE1	ANT1	1	AMERICAN ANTENNAS, INC.	TVRO-4.5	4.50	42.9 dBi at 4.000 GHz
					A	
			A			

### B5. Antenna Heights and Maximum Power Limits: (The corresponding Antenna ID in tables B4 and B5 applies to the same antenna)

(a) Antenna ID**	(b) Antenna Structure Registration No.	Maximum Ar (c) Above Ground Level (meters)	(d) Above Mean Sea Level (meters)	(e) Building Height Above Ground Level (meters)***	(f) Maximum Antenna Height Above Rooftop (meters)***	(g) Total Input Power at antenna flange (Watts)	(h) Total EIRP for all carriers (dBW)
ANT1		6.00	106.00				

Notes: \* If this is an application for a VSAT network, identify the site (Item B1b, Schedule B, Page 1) where each antenna is located. Also include this Site-ID on Schedule B, Page 5.

Page 2: Antennas

<sup>\*\*</sup> Identify each antenna in VSAT network or multi-antenna station with a unique identifier, such as HUB, REMOTE1, A1, A2, 10M, 12M, 7M, etc. Use this same antenna ID throughout tables B4, B5, B6, and B7 when referring to the same antenna.

<sup>\*\*\*</sup> Attach sketch of site or exemption, See 47 CFR Part 17.

### SATELLITE EARTH STATION AUTHORIZATIONS

FCC Form 312 - Schedule B: (Technical and Operational Description)

B6. Frequency Coordination Limits: Use additional pages as needed.

(a) Antenna ID*	(b) Frequency Limits (MHz)	(c) Range of Satellite Arc Eastern Limit**	(d) Range of Satellite Arc Western Limit**	(e) Antenna Elevation Angle Eastern Limit	(f) Antenna Elevation Angle Western Limit	(g) Earth Station Azimuth Angle Eastern Limit	(h) Earth Station Azimuth Angle Western Limit	(i) Maximum EIRP Density toward the Horizon (dBW/4kHz
ANT1	3700.000 - 4200.000 MHz	60.0W	143.0W	41.6	9.9	154.0	254.4	
				`				
		4 A						
								-

Notes: \* Provide the ANTENNA-ID from table B4 to identify the antenna to which each frequency band and orbital arc range is associated.

**Page 3: Coordination** 

<sup>\*\*</sup> If operating with geostationary satellites, give the orbital arc limits and the associated elevation and azimuth angles. If operating with non-geostationary satellites, give the notation "NON-GEO" for the satellite arc and give the minimum operational elevation angle and the maximum azimuth angle range.

### SATELLITE EARTH STATION AUTHORIZATIONS

FCC Form 312 - Schedule B: (Technical and Operational Description)

B7. Particulars of Operation (Full particulars are required for each r.f. carrier): Use additional pages as needed.

(a) Antenna ID*	(b) Frequency Bands (MHz)	(c) T/R Mode **	(d) Antenna Polarization (H,V,L,R)	(e) Emission Designator	(f) Maximum EIRP per Carrier (dBW)	(g) Maximum EIRP Density per Carrier (dBW/4kHz)	(h) Description of Modulation and Services
ANT1	3700.0000 - 4200.0000 MHz	R	H,V	36M0F8F			Analog Video with associated audio subcarriers
						<u> </u>	
				<b>—</b>			

Notes: \* Provide the ANTENNA-ID from table B4 to identify the antenna to which each frequency band and emission is associated. For VSAT networks, include frequencies and emissions for all HUB and REMOTE units.

**Page 4: Particulars** 

<sup>\*\*</sup> Indicate whether the earth station transmits or receives in each frequency band.

### SATELLITE EARTH STATION AUTHORIZATIONS

FCC Form 312 - Schedule B: (Technical and Operational Description)

If VSAT Network, provide the SITE-ID (Item B1b) of the	station that B8-B13 are in response to (F	HUB, REMOTE1, etc.):		
B8. If the proposed antenna(s) operate in the Fixed Satellite comply with the antenna gain patterns specified in Sect measurements? If NO, provide as an exhibit, a technic	tion 25.209(a) and (b) as demonstrated b	by the manufacturer's qualification	X YES	□NO
B9. If the proposed antenna(s) do not operate in the Fixed S (FSS) with <b>non-geostationary</b> satellites, do(es) the pro- Section 25.209(a2) and (b) as demonstrated by the man	posed antenna(s) comply with the anten	na gain patterns specified in	☐ YES	□NO
B10. Is the facility operated by remote control? If YES, pro-	ovide the location and telephone number	r of the control point.	X YES	□ NO
B10a. Street Address 2000 M Street, N.W.		4 0		
B10b. City	B10c. County	B10d. State / Country	B10e. Zip	Code
Washington		DC/USA	205	554
B10f. Telephone Number	B10g. Call	Sign of Control Station (if appropriate)		
(202) 555-9999		E	999999	
B11. Is frequency coordination required? If YES, attach a	frequency coordination report as an exh	ibit.	X YES	□NO
B12. Is coordination with another country required? If YE and plot of coordination contours as an exhibit.	S, attach the name of the country(ies)		☐ YES	X NO
B13. FAA Notification - (See 47 CFR Part 17 and 47 CF Where FAA notification is required, have you atta and/or the FAA's study regarding the potential has	ched a copy of a completed FCC Forn	n 854	YES	X NO
FAILURE TO COMPLY WITH 47 CFR PAR		N THE RETURN OF THIS APP	PLICATION.	

### \* \* \* DISCLAIMER \* \* \*

Note that compliance with FAA Notification requirements in 47 CFR Part 17 and 47 CFR Part 25.113(c) is necessarily dependent upon the location and size of antenna structures and their proximity to airports. Earth station applicants must make a determination as to whether or not FAA Notification is required for their individual facilities on a case by case basis. This example application is for illustrative purposes only, and should not be construed to imply that FAA Notification does or does not apply to the applicant's facilities.

**Page 5: Questions** 

SITF1