Date & Time Filed: May 28 2004 3:00:55:536PM File Number: SES-MOD-INTR2004-01094

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:

AMC-3 Amendment to 2004 E930182

1–8. Legal Name of Applicant

Name: GTECH Corp. **Phone Number:** 401–392–1000 x7803

DBA Fax Number: 401–392–4993

Name:

Street: 55 Technology Way E–Mail: helen.santos@gtech.com

City: West Greenwich State: RI

Country: USA Zipcode: 02817 -

Attention: Mrs Helena M Santos

9–16. Name of Contact Representative (If other than applicant)

Name: Bruce Olcott **Phone Number:** 202 626-6615

Squire, Sanders & Dempsey LLP Fax Number: Company: 202 626-6780

1201 Pennsylvania Ave. NW E-Mail: **Street:** bolcott@ssd.com

P.O. Box 407

City: DC Washington **State:**

USA Zipcode: **Country:** 20044-0407

Relationship: Contact Attorney Legal Counsel

Title:

a1. Earth Station

a2. Space Station

CLASSIFICATION OF FILING

17. Choose the button next to the classification that applies to this filing for (N/A) b1. Application for License of New Station both questions a. and b. Choose only one (N/A) 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

b5. Assignment of License or Registration

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

(N/A) b10. Other (Please specify)

17c. Is a fee submitted with this application of the submitted with the application of the submitted with th	on? 159. If No, indicate reason for fee exemption (see	e 47 C.F.R.Section 1.1114).
Governmental Entity O Noncomme	rcial educational licensee	
Other(please explain):		
17d.		
Fee Classification A CGV – Fixed Satellite	VSAT System	
18. If this filing is in reference to an existing station, enter:	19. If this filing is an amendment to a pending ap modification please enter only the file number:	plication enter both fields, if this filing is a
(a) Call sign of station:	(a) Date pending application was filed:	(b) File number:
E930182	04/26/2004	SESMOD2003110701610

TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provide	e 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
Common Carrier Non–Common Carrier	Using Non–U.S. licensed satellites
23. If applicant is providing INTERNATIONAL COMMON CARRIER s facilities:	service, see instructions regarding Sec. 214 filings. Choose one. Are these
O 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) b. Ku–Band (12/14 GHz)	
c.Other (Please specify upper and lower frequencies in MHz.)	
Frequency Lower: Frequency Upper: (Please specify addition	nal frequencies in an attachment)

TYPE OF STATION

25. CLASS OF STATION: Choose the button	next to the class of sta	tion that applies. Choose only	one.	
a. Fixed Earth Station				
o b. Temporary–Fixed Earth Station				
o. 12/14 GHz VSAT Network				
d. Mobile Earth Station				
e. Geostationary Space Station				
f. Non–Geostationary Space Station				
g. Other (please specify)				
26. TYPE OF EARTH STATION FACILITY: Transmit/Receive Transmit_Only	♣ Receive_Only	- N/Δ		
Transmit/Receive Transmit-Only "For Space Station applications, select N/A."	O Receive—Only	O 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.)
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
f — authorization to relocate fixed station
g — authorization to change frequency(ies)
h — authorization to add frequency
i — authorization to add Points of Communication (satellites & Double
j — authorization to change Points of Communication (satellites & mp; countries)
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
n — authorization to extend milestones
o — Other (Please specify)

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.	O Yes ⊚ No	
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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?	٥	Yes	•	No	0	N/A
30. Is the applicant an alien or the representative of an alien?	0	Yes	•	No	0	N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	0	Yes	•	No	0	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?	0	Yes	•	No	0	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 •	No 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.	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 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.	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	ation 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.)

GTECH currently has pending before the FCC an application that, among other things, adds the AMC-6 satellite as a point of communication for its below-one-meter VSAT terminals.

GTECH files this amendment in order to change its proposed new point of communication from AMC-6 to the AMC-3 satellite located at the 87 degree W.L. orbital position.

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.

true, complete and correct to the best of his or ne	r knowledge and benef,	and are made in good is	ain.
44. Applicant is a (an): (Choose the button next t	o applicable response.)		
 Individual Unincorporated Association Partnership Corporation Governmental Entity Other (please specify) 			
45. Name of Person Signing Bruce R. Turner		46. Title of Person Sign Chief Executive Office	<u> </u>
47. Please supply any need attachments.			
Attachment 1:	Attachment 2:		Attachment 3:
	I		1

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 S	tation Site			
E1: Site Identifier:	HUB (7.6M)	E5. Call Sign:	E930182	
E2: Contact Name	Greg Sanders	E6. Phone Number:	401 392–1000	
E3. Street:	55 Technology Way	E7. City:	West Greenwich	
		E8. County:	Kent	
E4. State	RI	E9. Zip Code	02817	
E10. Area of Opera	tion:	CONUS, Hawaii, A	laska, P.R., U.S. V.I	
E11. Latitude:	41 °39 '23.0 "N			
E12. Longitude:	71 °34 '16.0 "W			
E13. Lat/Lon Coord	dinates are:	O NAD-27	NAD-83	O N/A
E14. Site Elevation	(AMSL):	103.8 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
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E16. If the proposed antenna(s) do not operate in the Fixed Satellite Set Satellite Service (FSS) with non–geostationary satellites, do(es) the progain patterns specified in Section 25.209(a2) and (b) as demonstrated by measurements?	O Yes	O No	⊚ N/A	
E17. Is the facility operated by remote control? If YES, provide the loca point.	O Yes	•	No	
E18. Is frequency coordination required? If YES, attach a frequency coordination	ordination 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				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.				No
POINTS OF COMMUNICATION		!		-
Satellite Name: PERMITTED LIST If you selected OTHER, please	se enter the following:			
E21. Common Name: ALSAT	E22. ITU Name:			
E23. Orbit Location: ALSAT	E24. Country: USA			
POINTS OF COMMUNICATION (Destination Points)				
E25. Site Identifier: HUB (7.6M)				

E26. Common Name: ALSAT	E27. Country: USA
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ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size <meters></meters>	E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)
HUB (7.6M)	ANT2	2	Andrew	ES76K-1	7.6	57.8 dBi at 11.95
						59.3 dBi at 14.25

Id	Diameter		, ,	Height Above Ground Level	Input Power at antenna flange	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
ANT2	0.0/0.0	8.6	112.4	0.0	400.0	0.0	85.3

FREQUENCY

	E43/44. Frequency Bands (MHz)				E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
ANT2		R	Horizontal and Vertical	0	0.0	0.0

E50. Modulation entirety.)	and Services (If the	e complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its	
NULL							
ANT2		Т	Horizontal and Vertical	0	0.0	0.0	
E50. Modulation entirety.)		, , , , , , , , , , , , , , , , , , ,			o the end of the form		
ANT2	11700 12200	R	Horizontal and Vertical	200KG7W	0.0	0.0	
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 entirety.) OQPSK, 128 KSPS, Return Digital Carrier							
ANT2	11700 12200	R	Horizontal and Vertical	120KG7W	0.0	0.0	

E50. Modulatior entirety.)	and Services (If the	ne complete description	on does not appear in	this box, please go t	o the end of the form	to view it in its	
	Varient) Retur	n Digital Carr	ier				
ANT2	11700 12200	R	Horizontal and Vertical	60K0G7W	0.0	0.0	
E50. Modulation entirety.) MSK (QPSK	Variant) Retur			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	o the end of the form		
ANT2	14000 14500	Т	Horizontal and Vertical	1M20G7W	59.6	34.8	
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.) BPSK Digital Broadcast Carrier							
ANT2	14000 14500	Т	Horizontal and Vertical	2M40G7W	62.6	34.8	

E50. Modulation entirety.)	n and Services (If the	he complete descripti	on does not appear in	this box, please go t	to the end of the form	to view it in its	
BPSK Digit	tal Broadcast (Carrier					
ANT2	14000 14500	Т	Horizontal and Vertical	800KG7W	57.8	34.8	
BPSK Digit	tal Broadcast (Carrier					
ANT2	14000 14500	Т	Horizontal and Vertical	6M20G7W	64.5	32.6	
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 entirety.) QPSK, 5 MSPS Broadcast Digital Carrier							
ANT2	14000 14500	Т	Horizontal and Vertical	1M60G7W	60.5	34.5	

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.) BPSK Multimedia Broadcast Digital Carrier FREQUENCY COORDINATION E28. E51. Satellite | E52/53. E54/55. E56. Earth E57. E58. Earth E59. E60. Antenna Id Orbit Type Frequency Range of Station Antenna Station Antenna Maximum Limits(MHz) Satellite Arc **EIRP Density Azimuth** Elevation **Azimuth Elevation** Eastern/West Angle Angle Angle Angle toward the

176.1

176.1

Eastern Limit | Eastern Limit | Western

41.8

41.8

Limit

242.9

242.9

Western

Limit

18.9

18.9

Horizon

0.0

-24.4

(dBW/4kHz)

ern Limit

69.0/124.0

69.0/124.0

REMOTE CONTROL POINT LOCATION

Geostationary

Geostationary

11700

12200

14000

14500

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.				
E62. Street Address				
E63. City	E68. County		E67/68. State/Country	E64. Zip Code

ANT2

Location of Earth S	tation Site			
E1: Site Identifier:	HUB (4.6M)	E5. Call Sign:	E930182	
E2: Contact Name	Greg Sanders	E6. Phone Number:	401 392–1000	
E3. Street:	55 Technology Way	E7. City:	West Greenwich	
		E8. County:	Kent	
E4. State	RI	E9. Zip Code	02817	
E10. Area of Operation:		CONUS, Hawaii, A	Alaska, P.R., U.S. V.I.	
E11. Latitude:	41 °39 '23.0 "N			
E12. Longitude:	71 °34 '16.0 "W			
E13. Lat/Lon Coord	dinates are:	O NAD-27	● NAD-83	O N/A
E14. Site Elevation	(AMSL):	103.8 meters		

by the manufacturer's qualification measurement? If NO, provide as a technical analysis showing compliance with two–degree spacing policy.
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E16. If the proposed antenna(s) do not operate in the Fixed Satellite Set Satellite Service (FSS) with non–geostationary satellites, do(es) the progain patterns specified in Section 25.209(a2) and (b) as demonstrated by measurements?	O Yes	O No	⊚ N/A	
E17. Is the facility operated by remote control? If YES, provide the loca point.	O Yes	•	No	
E18. Is frequency coordination required? If YES, attach a frequency coordination	ordination 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				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.				No
POINTS OF COMMUNICATION		•		
Satellite Name: PERMITTED LIST If you selected OTHER, please	se enter the following:			
E21. Common Name: ALSAT	E22. ITU Name:			
E23. Orbit Location: ALSAT	E24. Country: USA			
POINTS OF COMMUNICATION (Destination Points)				
E25. Site Identifier: HUB (4.6M)				

E26. Common Name: ALSAT	E27. Country: USA
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ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer		E32. Antenna Size <meters></meters>	E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)
HUB (4.6M)	ANT1	1	Andrew	ESA46-124	4.6	53.4 dBi at 11.95
						54.9 dBi at 14.25

Id	Diameter		, ,	Height Above	Input Power at antenna flange	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
ANT1	0.0/0.0	5.6	109.4	0.0	300.0	0.0	79.7

FREQUENCY

E43/44. Frequency Bands (MHz)		EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)

entirety.) FREQUENC	Y COORDINA	TION						
E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern Limit	1 0	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevatio Angle Western Limit	EIRP Density toward the
ANT1	Geostationary	14000 14500	69.0/124.0	176.1	41.8	242.9	18.9	-20.0
REMOTE CO	ONTROL POIN	T LOCATION	1	1				
	Sign ase enter the calls nich this applicati				. Phone Number			
E62. Street	Address	<u>-</u>		I				
E63. City			E68. County	y		E67/68. State/Country		E64. Zip Code

Location of Earth St	ation Site				
E1: Site Identifier:	CTR 1.8M	E5. Call Sign:	E930182		
E2: Contact Name	Greg Sanders	E6. Phone Number:	401–392–1000		
E3. Street:		E7. City:	various points		
		E8. County:			
E4. State		E9. Zip Code			
E10. Area of Operat	ion:	CONUS, Hawaii, A	laska, P.R., U.S. V.I.		
E11. Latitude:	0 °0 '0.0 "				
E12. Longitude:	0 °0 '0.0 "				
E13. Lat/Lon Coord	linates are:	O NAD-27	O 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 ⊘ No	O N/A
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E16. If the proposed antenna(s) do not operate in the Fixed Satellite Se Satellite Service (FSS) with non–geostationary satellites, do(es) the progain patterns specified in Section 25.209(a2) and (b) as demonstrated by measurements?	posed antenna(s) comply with the antenna	O Yes	O No	⊚ N/A
E17. Is the facility operated by remote control? If YES, provide the loca point.	ation and telephone number of the control	• Yes	0	No
E18. Is frequency coordination required? If YES, attach a frequency coordination	ordination report as	O Yes	•	No
E19. Is coordination with another country required? If YES, attach the r coordination contours as	name of the country(ies) and plot of	O Yes	•	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.1 have you attached a copy of a completed FCC Form 854 and/or the FAA the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL APPLICATION.	A's study regarding the potential hazard of	O Yes	•	No
POINTS OF COMMUNICATION				
Satellite Name: PERMITTED LIST If you selected OTHER, please	se enter the following:			
E21. Common Name:	E22. ITU Name:			
E23. Orbit Location:	E24. Country:			
POINTS OF COMMUNICATION (Destination Points)				
E25. Site Identifier: CTR 1.8M				

Site ID	E28. Antenna	ı Id	E29. Quant	tity	E30.		E31. N		E32	. Antenna	E41	/42. Antenna
				·	Manufac	turer			Size	<meters></meters>		n Transmint /or Recieve _dBi at _GHz)
CTR 1.8M	CTR 1.8M		50000		Channel 1	Master	183		1.8		0.0	dBi at
E28. Antenna Id	E33/34. Diameter Minor/Major (meters)	Gro	. Above und Level ters)		above Sea meters)	E37. Bui Height A Ground (meters)	bove Level	E38. Total Input Powe antenna fla (Watts)		E39. Maximum Antenna Heig Above Roofto (meters)	ht E	A40. Total CIRP for al arriers(dBW)
CTR 1.8M	0.0/0.0	0.0		0.0		0.0		1.0		0.0	40	6.8
FREQUENCY				l		1				1	- 1	
E28. Antenna Id	E43/44. Frequency B (MHz)	ands	E45. T/R M	ode	E46. Ant Polarizat L,R)		E47. F Design	Emission nator	1	. Maximum P per Carrier W)	ERI Car	. Maximum IP Density per rier W/4kHz)
E50. Modulatentirety.)	tion and Services	(If th	ne complete o	lescripti	on does no	t appear in	this bo	x, please go t	o the	end of the form	to vie	ew it in its

FREQUENCY COORDINATION

E28. Antenna Id	 Frequency		Station Azimuth		E58. Earth Station Azimuth Angle	E59. Antenna Elevation Angle	E60. Maximum EIRP Density toward the
		ern Limit	Eastern Limit	Eastern Limit	Western Limit	Western Limit	Horizon (dBW/4kHz)
		/					

REMOTE CONTROL POINT LOCATION

E61. Call Sign E930182 NOTE: Please enter the callsign of the contro callsign for which this application is being filed.		E66. Phone Number 401 392–1000		
E62. Street Address 55 Technology Way				
E63. City West Greenwich	E68. County Kent		E67/68. State/Country	E64. Zip Code 02817
			RI/ USA	

Location of Earth St	ation Site					
E1: Site Identifier:	CTR 1.2M	E5. Call Sign:	E930182			
E2: Contact Name	Greg Sanders	E6. Phone Number:	401 392–1000			
E3. Street:		E7. City:	various locations			
		E8. County:				
E4. State		E9. Zip Code				
E10. Area of Operat	ion:	CONUS, Hawaii, Alaksa, P.R., U.S. V.I.				
E11. Latitude:	0 °0 '0.0 "					
E12. Longitude:	0 °0 '0.0 "					
E13. Lat/Lon Coord	linates 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 loc point.	• Yes	O No	
E18. Is frequency coordination required? If YES, attach a frequency co	pordination raport as		
1218. Is frequency coordination required? If TES, attach a frequency co	oordination report as	O Yes	No
E19. Is coordination with another country required? If YES, attach the coordination contours as	name of the country(ies) and plot of	O Yes	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25. have you attached a copy of a completed FCC Form 854 and/or the FA the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL APPLICATION.	A's study regarding the potential hazard of	O Yes	No
POINTS OF COMMUNICATION		•	
Satellite Name: PERMITTED LIST If you selected OTHER, plea	ase enter the following:		
E21. Common Name:	E22. ITU Name:		
E23. Orbit Location:	E24. Country:		
POINTS OF COMMUNICATION (Destination Points)			
E25. Site Identifier:			
E26. Common Name:	E27. Country:		
ANTERNIA			

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer		Size <meters></meters>	E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)
CTR 1.2M	CTR 1.2M	50000	Channel Master	1124, 1134	1.2	0.0 dBi at

Id	Diameter		` ′	Height Above	Input Power at	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
CTR 1.2M	0.0/0.0	0.0	0.0	0.0	1.0	0.0	43.2

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)
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

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern 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)
DEMOTE CO	ONTROL POIN	T I OCATION	/					
E61. Call S		sign of the contro	olling station, no		. Phone Number			
E62. Street	Address			,				
E63. City			E68. County	ý		E67/68. State/Country		E64. Zip Code

Location of Earth Station Site E1: Site Identifier: CTR .96M E5. Call Sign: E930182 E6. Phone E2: Contact Name Greg Sanders 401 392-1000 Number: E3. Street: E7. City: various locations E8. County: E9. Zip Code E4. State E10. Area of Operation: CONUS, Hawaii, Alaska, P.R., U.S. V.I. E11. Latitude: 0 °0 '0.0 " E12. Longitude: 0 °0 '0.0 " E13. Lat/Lon Coordinates are: NAD-27 O 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.	O Yes	⊗ 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 locat point.	tion and telephone number of the control	Yes	O No	
E18. Is frequency coordination required? If YES, attach a frequency coordination	rdination report as	O Yes	⊚ No	
E19. Is coordination with another country required? If YES, attach the na coordination contours as	ame of the country(ies) and plot of	O Yes	No	
have you attached a copy of a completed FCC Form 854 and/or the FAA the structure to aviation?	's study regarding the potential hazard of	O Yes	⊘ No	
POINTS OF COMMUNICATION		•		
V /1				
E21. Common Name: AMC-4	E22. ITU Name:			
E23. Orbit Location: 101 W.L.	E24. Country: USA			
Satellite Name: OTHER If you selected OTHER, please enter the f	following:			
E21. Common Name: AMC-3	E22. ITU Name:			
E23. Orbit Location: 87 W.L.	E24. Country: USA			
POINTS OF COMMUNICATION (Destination Points)	D. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, ou attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of acture to aviation? LURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS CATION. TS OF COMMUNICATION TEN Name: OTHER If you selected OTHER, please enter the following: Tommon Name: AMC–4 TE 22. ITU Name: This Location: 101 W.L. TE Name: OTHER If you selected OTHER, please enter the following: TO COMMUNICATION (Destination Points)			
E25. Site Identifier:				

E26. Common Na	ame:					E27. Cou	ntry:					
ANTENNA						•						
Site ID	E28. Antenna	Id	E29. Quant	ity	E30. Manufac	E30. I Manufacturer		E31. Model		E32. Antenna Size <meters></meters>		1/42. Antenna nin Transmint d/or Recieve dBi at GHz)
CTR .96M	CTR .96M		50000		Channel l	Master	960		0.96		0.0	dBi at
E28. Antenna Id	E33/34. Diameter Minor/Major (meters)	Gro	. Above und Level ters)	I	bove Sea meters)	E37. Bui Height A Ground I (meters)	bove	E38. Total Input Powe antenna fla (Watts)				E40. Total EIRP for al carriers(dBW)
CTR .96M	0.0/0.0	0.0		0.0		0.0 1.0		1.0	0.0		,	41.2
FREQUENCY	•			•								
E28. Antenna Id	E43/44. Frequency Ba (MHz)	ands	E45. T/R Mo	ode	E46. Anto Polarizat L,R)		E47. E Design	Emission nator	_	. Maximum P per Carrier W)	ER Ca	9. Maximum RIP Density per arrier BW/4kHz)
E50. Modulati	ion and Services	(If th	ne complete d	escripti	on does no	t appear in	this bo	x, please go to	o the	end of the form	to v	view it in its

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern Limit	0	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 CO	NTROL POIN	T LOCATION	•	•	!	!	·!	•
	ase enter the calls ich this application. Address	•	•	t the				
E63. City E68. County E67/68. State/Country /							E64. Zip Code	
			ATELLITE EAR'		and Operational			

Location of Earth Station Site E1: Site Identifier: CTR .75M E5. Call Sign: E930182 E6. Phone E2: Contact Name Greg Sanders 401 392-1000 Number: E3. Street: E7. City: various locations E8. County: E9. Zip Code E4. State E10. Area of Operation: CONUS, Hawaii, Alaska, P.R., U.S. V.I. E11. Latitude: 0 °0 '0.0 " E12. Longitude: 0 °0 '0.0 " E13. Lat/Lon Coordinates are: NAD-27 O 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.	O Yes	⊗ 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 locat point.	ion and telephone number of the control	⊚ Yes	O No
E18. Is frequency coordination required? If YES, attach a frequency coordination	rdination report as	O Yes	⊚ No
E19. Is coordination with another country required? If YES, attach the na coordination contours as	ame of the country(ies) and plot of	O Yes	⊙ No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.11 have you attached a copy of a completed FCC Form 854 and/or the FAA the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RAPPLICATION.	's study regarding the potential hazard of	O Yes	No
POINTS OF COMMUNICATION		!	
Satellite Name: OTHER If you selected OTHER, please enter the form	ollowing:		
E21. Common Name: AMC-4	E22. ITU Name:		
E23. Orbit Location: 101 W.L.	E24. Country: USA		
Satellite Name: OTHER If you selected OTHER, please enter the form	ollowing:		
E21. Common Name: AMC-3	E22. ITU Name:		
E23. Orbit Location: 87 W.L.	E24. Country: USA		
POINTS OF COMMUNICATION (Destination Points)	1		
E25. Site Identifier:			

E26. Common N	ame:					E27. Cou	ntry:						
ANTENNA						!							
Site ID	E28. Antenna	E28. Antenna Id		E30. Manufact				turer			. Antenna <meters></meters>	Ga	1/42. Antenna nin Transmint d/or Recieve dBi at GHz)
CTR .75M	CTR .75M		50000		Channel 1	Master	75e		0.75		0.0	dBi at	
T	I	1-0-						T20 T . 1				T.40 T 1	
E28. Antenna Id	E33/34. Diameter Minor/Major (meters)	Gro	. Above und Level ters)		above Sea meters)	E37. Bui Height A Ground I (meters)	bove	E38. Total Input Powe antenna fla (Watts)		E39. Maximus Antenna Heig Above Roofto (meters)	ht	E40. Total EIRP for al carriers(dBW)	
CTR .75M	0.62/0.89	0.0		0.0		0.0 1.0		1.0	0.0			38.8	
FREQUENCY	•												
E28. Antenna Id	E43/44. Frequency Ba (MHz)	ands	E45. T/R Mo	ode	E46. Ant Polarizat L,R)		E47. E Design	Emission nator	_	. Maximum P per Carrier W)	EF Ca	9. Maximum RIP Density per arrier BW/4kHz)	
E50. Modulati	ion and Services	(If the	ne complete d	lescripti	on does no	t appear in	this bo	x, please go to	o the	end of the form	to v	view it in its	

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern 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 CO	NTROL POIN	T LOCATION				•		•
	ign ase enter the calls tich this applicati	•	•		. Phone Number			
E62. Street	Address							

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

E67/68.

State/Country

E64. Zip Code

E68. County

E63. City

Location of Earth Station Site E1: Site Identifier: PTR 1.8M E5. Call Sign: E930182 E6. Phone E2: Contact Name Greg Sanders 401 392-1000 Number: E3. Street: E7. City: various locations E8. County: E9. Zip Code E4. State E10. Area of Operation: CONUS, Hawaii, Alaska, P.R., U.S. V.I. E11. Latitude: 0 °0 '0.0 " E12. Longitude: 0 °0 '0.0 " E13. Lat/Lon Coordinates are: NAD-27 O 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.						
rdination report as	O Yes	⊚ No				
nme of the country(ies) and plot of	O Yes	No				
3(c)) Where FAA notification is required, is study regarding the potential hazard of ESULT IN THE RETURN OF THIS	O Yes	No				
	•					
enter the following:						
E22. ITU Name:						
E24. Country:						
E27. Country:						
	dination report as ame of the country(ies) and plot of 3(c)) Where FAA notification is required, study regarding the potential hazard of ESULT IN THE RETURN OF THIS enter the following: E22. ITU Name: E24. Country:	dination report as Yes Yes Yes And plot of Yes Yes Yes Yes Yes Yes Yes Ye				

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer		Size <meters></meters>	E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)
PTR 1.8M	PTR 1.8M	50000	Prodelin	1184	1.8	0.0 dBi at

Id			` ′	Height Above	Input Power at	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
PTR 1.8M	0.0/0.0	0.0	0.0	0.0	1.0	0.0	46.8

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)
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

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern Limit	E56. Earth Station Azimuth Angle Eastern Li		E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenn Elevati Angle Wester Limit	on	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
REMOTE CO	NTROL POIN	T LOCATION								
	se enter the calls	sign of the contro	•		E66.	Phone Number				
E62. Street A	Address			'						
E63. City			E68. County	7			E67/68. State/Country		E64.	. 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: PTR 1.2 E5. Call Sign: E930182 E2: Contact Name Greg Sanders E6. Phone 401 392-1000 Number: E3. Street: E7. City: various locations E8. County: E9. Zip Code E4. State E10. Area of Operation: CONUS, Hawaii, Alaska, P.R., U.S. V.I. E11. Latitude: 0 °0 '0.0 " E12. Longitude: 0 °0 '0.0 " E13. Lat/Lon Coordinates are: NAD-27 O 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 lopoint.	● Yes	O No	
E18. Is frequency coordination required? If YES, attach a frequency c	coordination report as	<u> </u>	
		O Yes	No
E19. Is coordination with another country required? If YES, attach the coordination contours as	e name of the country(ies) and plot of	O Yes	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25 have you attached a copy of a completed FCC Form 854 and/or the Father structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL APPLICATION.	AA's study regarding the potential hazard of	O Yes	No
POINTS OF COMMUNICATION		•	
Satellite Name: PERMITTED LIST If you selected OTHER, ple	ease enter the following:		
E21. Common Name:	E22. ITU Name:		
E23. Orbit Location:	E24. Country:		
POINTS OF COMMUNICATION (Destination Points)			
E25. Site Identifier:			
E26. Common Name:	E27. Country:		
ANTENNA			

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer		Size <meters></meters>	E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)
PTR 1.2	PTR 1.2M	50000	Prodelin	1123	1.2	0.0 dBi at

Id	Diameter		·	Height Above	E38. Total Input Power at antenna flange (Watts)		EIRP for al
PTR 1.2M	0.0/0.0	0.0	0.0	0.0	1.0	0.0	43.2

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)
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

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern Limit	E56. Ear Station Azimuth Angle Eastern	l	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)
DEMOTE CO	NATION DOWN	T LOCATION	/						
	ONTROL POIN	TLOCATION							
E61. Call Sign NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed. E66. Phone Number									
E62. Street		on is being med	•						

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

E67/68.

State/Country

E64. Zip Code

E68. County

E63. City

Location of Earth Station Site E1: Site Identifier: PTR .74M E5. Call Sign: E930182 E6. Phone E2: Contact Name Greg Sanders 401 392-1000 Number: E3. Street: E7. City: various locations E8. County: E9. Zip Code E4. State E10. Area of Operation: CONUS, Hawaii, Alaska, P.R., U.S. V.I. E11. Latitude: 0 °0 '0.0 " E12. Longitude: 0 °0 '0.0 " E13. Lat/Lon Coordinates are: NAD-27 O 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	⊚ 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 locat point.	ion and telephone number of the control	● Yes O No
E18. Is frequency coordination required? If YES, attach a frequency coordination	rdination report as	O Yes O No
E19. Is coordination with another country required? If YES, attach the na coordination contours as	ame of the country(ies) and plot of	• Yes • No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.11 have you attached a copy of a completed FCC Form 854 and/or the FAA the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RAPPLICATION.	's study regarding the potential hazard of	Yes No
POINTS OF COMMUNICATION		1
Satellite Name: OTHER If you selected OTHER, please enter the for	ollowing:	
E21. Common Name: AMC-4	E22. ITU Name:	
E23. Orbit Location: 101 W.L.	E24. Country: USA	
Satellite Name: OTHER If you selected OTHER, please enter the fo	ollowing:	
E21. Common Name: AMC-3	E22. ITU Name:	
E23. Orbit Location: 87 W.L.	E24. Country: USA	
POINTS OF COMMUNICATION (Destination Points)	ı	
E25. Site Identifier:		

E26. Common Na	ame:					E27. Cou	ntry:					
ANTENNA						!						
E28. Antenna Id		ı Id	E29. Quantity		E30. Manufacturer		E31. Model		E32. Antenna Size <meters></meters>		E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)	
PTR .74M	TR .74M PTR .74M		50000	Prodelin		HANT-		`–91TR	0.74		0.0	dBi at
T20 4 4	TEGO 12.4	1505		Tac. A	1 0	F0F D 1		T20 T . 1		T20 35 1		E40 E 4 I
E28. Antenna Id	d Diameter Gr		Above und Level Level(m		bove Sea meters)			bove Input Powe		۷ و		E40. Total EIRP for al carriers(dBW)
PTR .74M	0.564/0.98	0.0		0.0	0.0		1.0		0.0			39.2
FREQUENCY	•											
E28. Antenna Id	E43/44. Frequency Back (MHz)	ands	E45. T/R Mo	ode	E46. Anto Polarizat L,R)		E47. E Design	Emission nator	_	. Maximum P per Carrier W)	ER Ca	9. Maximum RIP Density per arrier BW/4kHz)
E50. Modulati	ion and Services	(If th	ne complete d	lescripti	on does no	t appear in	this bo	x, please go to	o the	end of the form	to v	view it in its

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern 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)	
			/						
	NTROL POIN	T LOCATION	!	·		!		<u>'</u>	
	gn se enter the calls ich this applicati	-	-		. Phone Number				
E62. Street A	Address								
E63. City	E63. City E68. County					E67/68. State/Country	E64	E64. Zip Code	
				TH STATION Alle B:(Technical ε			•	_	

FOR OFFICIAL USE ONLY

Location of Earth Station Site E1: Site Identifier: PTR .98M E5. Call Sign: E930182 E6. Phone E2: Contact Name Greg Sanders 401 392-1000 Number: E3. Street: E7. City: various locations E8. County: E9. Zip Code E4. State E10. Area of Operation: CONUS, Hawaii, Alaska, P.R., U.S. V.I. E11. Latitude: 0 °0 '0.0 " E12. Longitude: 0 °0 '0.0 " E13. Lat/Lon Coordinates are: NAD-27 O 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	⊚ 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 locat point.	ion and telephone number of the control	● Yes • No
E18. Is frequency coordination required? If YES, attach a frequency coordination	rdination report as	O Yes O No
E19. Is coordination with another country required? If YES, attach the na coordination contours as	ame of the country(ies) and plot of	O Yes O No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.11 have you attached a copy of a completed FCC Form 854 and/or the FAA the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RAPPLICATION.	's study regarding the potential hazard of	O Yes O No
POINTS OF COMMUNICATION		
Satellite Name: OTHER If you selected OTHER, please enter the form	ollowing:	
E21. Common Name: AMC-4	E22. ITU Name:	
E23. Orbit Location: 101 W.L.	E24. Country: USA	
Satellite Name: OTHER If you selected OTHER, please enter the fo	ollowing:	
E21. Common Name: AMC-3	E22. ITU Name:	
E23. Orbit Location: 87 W.L.	E24. Country: USA	
POINTS OF COMMUNICATION (Destination Points)	ı	
E25. Site Identifier:		

E26. Common Na	ame:					E27. Cou	ntry:					
ANTENNA						!						
Site ID	E28. Antenna Id		E29. Quantity		E30. Manufacturer		E31. Model		E32. Antenna Size <meters></meters>		E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)	
PTR .98M	TR .98M PTR .98M		50000	Prodeli			90086	68	0.98		0.0	dBi at
T20 4 4	T-22/24	1505	4.7	Tac. A	1 0	F0F D 1		T20 T . 1		T20 35 1		E 40 E 4 I
Id	d Diameter Gre		. Above und Level ters)			E37. Building Height Above Ground Level (meters)		E38. Total Input Power a antenna flange (Watts)				E40. Total EIRP for al carriers(dBW)
PTR .98M	0.0/0.0	0.0		0.0	0.0		1.0		0.0		4	41.5
FREQUENCY												
E28. Antenna Id	E43/44. Frequency Ba (MHz)	ands	E45. T/R Mo	ode	E46. Ant Polarizat L,R)		E47. E Design	Emission nator	_	. Maximum P per Carrier W)	ER Ca	9. Maximum AIP Density per rrier BW/4kHz)
E50. Modulati	ion and Services	(If th	ne complete d	lescripti	on does no	t appear in	this bo	x, please go to	o the	end of the form	to v	iew it in its

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern Limit	Station Azimuth Angle	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 CO	NTROL POIN	T LOCATION	•	•			•	•
	ign ase enter the calls ich this applicati	•	•		. Phone Number			

E68. County

E67/68.

State/Country

E64. Zip Code

E62. Street Address

E63. City

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

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