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Callsign/Satellite ID:

APPLICATION FOR EARTH STATION AUTHORIZATIONS	FCC Use Only
FCC 312 MAIN FORM FOR OFFICIAL USE ONLY	

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu: Application for new VSAT hub and 2 remotes

1–8. Legal Name of Applicant **MICROSPACE Phone Number:** 202-383-3429 Name: **COMMUNICATIONS CORPORATION DBA Fax Number:** 202-783-5851 Name: E-Mail: **Street:** WILKINSON BARKER DOCONNOR@WBKLAW.COM KNAUER, LLP 1800 M STREET, NW, SUITE 800N City: WASHINGTON **State:** DC Zipcode: **Country:** USA 20036 **Attention:** DAVID A O'CONNOR ESQ 9–16. Name of Contact Representative Name: DAVID A. O'CONNOR **Phone Number:** 202-383-3429 **Company:** WILKINSON BARKER **Fax Number:** 202-783-5851 KNAUER, LLP E-Mail: **Street:** 1800 M STREET, NW DOCONNOR@WBKLAW.COM SUITE 800N City: WASHINGTON **State:** DC **Country:** USA Zipcode: 20036-**Attention:** David A. O'Connor **Relationship:** Legal Counsel

CLASSIFICATION OF FILING

17. Choose the button next to the classification that applies to this filing for both questions a. and b. Choose only one for 17a and only one for 17b. a. a. a1. Earth Station (N/A) a2. Space Station	 b. b1. Application for License of New Station b2. Application for Registration of New Domestic Receive—Only Station (N/A) b3. Amendment to a Pending Application (N/A) b4. Modification of License or Registration (N/A) b5. Assignment of License or Registration (N/A) b6. Transfer of Control of License or Registration (N/A) b7. Notification of Minor Modification (N/A) b8. Application for License of New Receive—Only Station Using Non—U.S. Licensed Satellite (N/A) b9. Letter of Intent to Use Non—U.S. Licensed Satellite to Provide Service in the United States b10. Other (Please specify) b11. Application for Earth Station to Access a Non—U.S.satellite Not Currently Authorized to Provide the Proposed Service in the Proposed Frequencies in the United States. b12. Application for Database Entry (N/A) b13. Amendment to a Pending Database Entry Application (N/A) b14. Modifiction of Database Entry
17c. Is a fee submitted with this application If Yes, complete and attach FCC Form	on? 159. If No, indicate reason for fee exemption (see 47 C.F.R.Section 1.1114).
Ofther(please explain):	rcial educational licensee
17d. Fee Classification BGV – Fixed Satellite V	SAT System

18. If this filing is in reference to an existing station, enter: (a) Call sign of station: Not Applicable 19. If this filing is an amendment to a pending application enter: (a) Date pending application was filed: (b) File number of pending application: Not Applicable Not Applicable
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TYPE OF SERVICE	
20. NATURE OF SERVICE: This filing is for an authorization to provide	or use the following type(s) of service(s): Select all that apply:
a. Fixed Satellite	
b. Mobile Satellite	
c. Radiodetermination Satellite	
d. Earth Exploration Satellite	
e. Direct to Home Fixed Satellite	
f. Digital Audio Radio Service	
g. Other (please specify)	
21. STATUS: Choose the button next to the applicable status. Choose	22. If earth station applicant, check all that apply.
only one.	Using U.S. licensed satellites
O Common Carrier Non–Common Carrier	Using Non–U.S. licensed satellites
23. If applicant is providing INTERNATIONAL COMMON CARRIER sefacilities:	ervice, see instructions regarding Sec. 214 filings. Choose one. Are these
O Connected to a Public Switched Network Not connected to	o a Public Switched Network

24. FREQUENCY BAND(S): Place an "X" in the box(es) next to all applicable frequency band(s).
a. C–Band (4/6 GHz) b Ku–Band (12/14 GHz)
c.Other (Please specify upper and lower frequencies in MHz.)
Frequency Lower: Frequency Upper:
TYPE OF STATION
25. CLASS OF STATION: Choose the button next to the class of station that applies. Choose only one.
a. Fixed Earth Station
b. Temporary–Fixed Earth Station
c. 12/14 GHz VSAT Network
d. Mobile Earth Station
(N/A) e. Geostationary Space Station
(N/A) f. Non-Geostationary Space Station
g. Other (please specify)
26. TYPE OF EARTH STATION FACILITY: Choose only one.
Transmit/Receive Transmit-Only Receive-Only N/A
PURPOSE OF MODIFICATION
27. The purpose of this proposed modification is to: (Place an 'X' in the box(es) next to all that apply.)
Not Applicable

ENVIRONMENTAL POLICY

28. Would a Commission grant of any proposal in this application or amendment

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.	Remote 1 RadHaz
ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aerona aeronautical fixed radio station services are not required to respond to Items 30–34.	nutical en route or
29. Is the applicant a foreign government or the representative of any foreign government?	O Yes O No
30. Is the applicant an alien or the representative of an alien?	O Yes No N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	O Yes O No O N/A
32. Is the applicant a corporation of which more than one–fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	↑ Yes ♠ No ↑ N/A

have a significant

O Yes

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?	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.	Remote 2 RadHaz
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 O No
	Hub No RadHaz or FAA
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 O 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?	vhat administi	ration has

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

(If the complete description does

New 12/14 GHz VSAT network consisting of a Transmit/Receive Hub station, currently licensed as E900887 (a 7 meter Ku band antenna), and two types of remote Transmit/Receive Ku band antennas, all of which will communicate only with ALSAT satellites and operate within CONUS, Alaska, Hawaii, Puerto Rico, and the Virgin Islands.

43a. Geographic Service Rule Certification By selecting A, the undersigned certifies that the applicant is not subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25.	● A
By selecting B, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will comply with such requirements.	O B
By selecting C, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will not comply with such requirements because it is not feasible as a technical matter to do so, or that, while technically feasible, such services would require so many compromises in satellite design and operation as to make it economically unreasonable. A narrative description and technical analysis demonstrating this claim are attached.	o c

CERTIFICATION

The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. The applicant certifies that grant of this application would not cause the applicant to be in violation of the spectrum aggregation limit in 47 CFR Part 20. All statements made in exhibits are a material part hereof and are incorporated herein as if set out in full in this application. The undersigned, individually and for the applicant, hereby certifies that all statements made in this application and in all attached exhibits are true, complete and correct to the best of his or her knowledge and belief, and are made in good faith.

Individual				
 Unincorporated Association 				
Partnership				
Corporation				
Governmental Entity				
Other (please specify)				
45. Name of Person Signing		46. Title of Person		
JOSEPH L. AMOR III		VICE PRESIDENT		
47. Places cumply any need attachm	aanta			
47. Please supply any need attachm			Attachment 2	
47. Please supply any need attachm Attachment 1:	Attachment 2:		Attachment 3:	
			Attachment 3:	

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: Hub E5. Call Sign: E900887

E2: Contact Name Ron Burns E6. Phone 919–850–4503

Number:

E3. Street: 3100 Highwoods E7. City: Raleigh

Blvd

Suite 120 E8. County: Wake

E4. State NC E9. Zip Code 27604

E10. Area of Operation: Fixed

E11. Latitude: 35 °49 '18.0 "N

E12. Longitude: 78 °36 '24.0 "W

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

E14. Site Elevation (AMSL): 93.5 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.	● Y	es	O No	O N/A
E16. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with non–geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements?	OY	es	O No	⊚ N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	0 '	Yes	•	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	0 7	Yes	•	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	0 '	Yes	•	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.	1	Yes	•	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:

POINTS OF COMMUNICATION (Destination Points)

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

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size <meters></meters>	E41/42. Antenna GainTransmint and/or Recieve (dBi atGHz)
Hub	Hub	1	Radiation Systems, Inc.	700ES	7.0	57.9 dBi at 14.0
	Remote 2	1000	Ayecka	14000	0.76	36.0 dBi at 12.0
						36.0 dBi at 14.0
	Remote 1		Egatel	GEN2 .75	0.75	35.9 dBi at 12.0
						35.9 dBi at 14.0

E28. Antenna	E33/34.	E35. Above	E36. Above Sea	E37. Building	E38. Total	E39.	E40. Total
Id	Diameter	Ground	Level 	Height Above	Input Power at	Maximum	EIRP for al
	Minor/Major	Level 	(meters)	Ground	antenna	Antenna Height	carriers
	(meters)	(meters)		Level 	flange 	Above	(dBW)
				(meters)	(Watts)	Rooftop 	
						(meters)	

	0.0/0.0	8.5	96.9	0	0.0		1000.0		8.5	87.9
Remote 2	0.0/0.0	0.0	0.0	0	0.0		1.0		0.0	36.0
Remote 1	0.0/0.0	0.0	0.0	0	0.0		1.0	(0.0	35.9
FREQUENC	Y	I						•		-
E28. Antenna	Id E43/44. Frequency Ba (MHz)	l l	T/R Mode	E46. Anten Polarization L,R)		E47. En Designa			Maximum P per Carrier V)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
Hub	11700 12200	R		Horizontal a Vertical	and	3M01G′	7W	0.0		0.0
	ata									
Hub	14000 14500	Т		Horizontal a	and	36M0D	7W	87.9		48.34
Hub	14000 14500 lation and Services		nplete descripti	Vertical					nd of the form	48.34 to view it in its

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
VCM, Data						
Remote 2	14000 14500	Т	Horizontal and Vertical	10M3G7W	36.0	2.0
E50. Modulation entirety.) VCM, Data	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
Remote 1	11700 12200	R	Horizontal and Vertical	36M0D7W	0.0	0.0
E50. Modulation entirety.) VCM, Data	n 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
Remote 1	14000 14500	Т	Horizontal and Vertical	10M3G7W	35.9	1.9

50. Modulation and Services ety.)	(If the complete description does not appear in this box, please go to the end of the form to view it in its
VCM, Data	

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc E/W Limit	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
Hub	Geostationary	11700 12200	69.0/ 134.0	164.0	47.0	248.0	19.0	0.0
	Geostationary	14000 14500	69.0/ 134.0	164.0	47.0	248.0	19.0	1.5
Remote 2	Geostationary	11700 12200	69.0/ 134.0	0.0	5.0	0.0	5.0	0.0
	Geostationary	14000 14500	69.0/ 134.0	0.0	5.0	0.0	5.0	-12.0
Remote 1	Geostationary	11700 12200	69.0/ 134.0	0.0	5.0	0.0	5.0	0.0
	Geostationary	14000 14500	69.0/ 134.0	0.0	5.0	0.0	5.0	-12.1

REMOTE CONTROL POINT LOCATION

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

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

Location of Earth Station Site

E1: Site Identifier: Remote 1 E5. Call Sign:

E2: Contact Name Ron Burns E6. Phone 919–850–4503

Number:

E3. Street: E7. City:

E8. County:

E4. State E9. Zip Code

E10. Area of Operation: CONUS, AK, HI, PR and VI

E11. Latitude: 0 °0 '0.0 "

E12. Longitude: 0 °0 '0.0 "

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

E14. Site Elevation (AMSL): 0.0 meters

E15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement? If NO, provide as a technical analysis showing compliance with two–degree spacing policy.	● 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.	Yes	٥	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	O Yes	•	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	O Yes	•	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.	O Yes	•	No
POINTS OF COMMUNICATION			
Satellite Name: PERMITTED LIST If you selected OTHER, please enter the following:			

E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

POINTS OF COMMUNICATION (Destination Points)

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

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size <meters></meters>	E41/42. Antenna GainTransmint and/or Recieve (dBi atGHz)
Remote 1	Remote 1	1000	Egatel	GEN2 .75	0.75	35.9 dBi at 12
						35.9 dBi at 14

E28. Antenna Id	E33/34. Diameter Minor/Major (meters)	E35. Above Ground Level (meters)	(meters)	Height Above Ground	Input Power at antenna flange 	Maximum Antenna Height	E40. Total EIRP for al carriers (dBW)
Remote 1	0.0/0.0	0.0	0.0	0.0	1.0	0.0	35.9

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode			EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
Remote 1	11700 12200	R	Horizontal and Vertical	36M0D7W	35.9	1.9

E50. Modulation	and Services (If th	e complete description	on does not appear ir	this box, please go	to the end of the	form to view it in its
entirety.)						
VCM, Data						
Remote 1	14000 14500	Т	Horizontal and Vertical	10M3G7W	35.9	7.13
E50. Modulation entirety.) VCM, Data	and Services (If the	e complete description	on does not appear in	this box, please go	to 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 E/W 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 1	Geostationary	11700 12200	69.0/ 134.0	0.0	5.0	0.0	5.0	0.0
	Geostationary	14000 14500	69.0/ 134.0	0.0	5.0	0.0	5.0	-12.1

REMOTE CONTROL POINT LOCATION

E61. Call Sign NOTE: Please enter the callsign of the contro callsign for which this application is being filed.		E65. Phone Number 919–850–4503		
E62. Street Address 3100 Highwoods Blvd Suite 120				
E63. City Raleigh	E67. County Wake		E64/68. State/Country NC/ USA	E66. Zip Code 27604

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: Remote 2 E5. Call Sign:

E2: Contact Name Ron Burns E6. Phone 919–850–4503

Number:

E3. Street: E7. City:

E8. County:

E4. State E9. Zip Code

E10. Area of Operation: CONUS, AK, HI, PR and VI

E11. Latitude: 0 °0 '0.0 "

E12. Longitude: 0 °0 '0.0 "

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

E14. Site Elevation (AMSL): 0.0 meters

E15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement? If NO, provide as a technical analysis showing compliance with two–degree spacing policy.	⊗ 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.	⊚ Ye	s o	No
T10 X C	т —		
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	O Ye	s 💿	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	O Ye	s 🔞	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.	O Ye	s 🔞	No
POINTS OF COMMUNICATION	-		
Satellite Name: If you selected OTHER, please enter the following:			

E21. Common N	Name:						E22. ITU	Name:					
E23. Orbit Locat	tion:						E24. Country:						
POINTS OF	COM	<i>I</i> MUNICATI	ON	(Destination	Points)							
E25. Site Identif	ier:												
E26. Common N	Vame:						E27. Cou	ntry:					
ANTENNA							•						
Site ID	te ID E28. Antenna Id E29. Quantity E30. Manufactur		E31. Model		Size <meters></meters>		E41/42. Antenn GainTransmint and/or Recieve (dBi at GHz)						
Remote 2	R	Remote 2		1000		Ayecka		14000		0.76		36.0 dBi at 12.0	
												36.0 dBi at 14.0	
E28. Antenna Id	Min	meter	Gro	el 	E36. A Level< (meter		E37. Buil Height A Ground Level <bi (meters)</bi 	bove	E38. Total Input Powe antenna flange (Watts)		E39. Maximum Antenna Heig Above Rooftop (meters)	E40. Total EIRP for al carriers <br (dBW)</br 	
Remote 2 FREQUENCY	0.0/	0.0	0.0		0.0		0.0		1.0		0.0	36.0	
E28. Antenna Id	d E	C43/44. Trequency Bar MHz)		E45. T/R M	ode	E46. Anto Polarizat L,R)		E47. E Design	mission ator		Maximum P per Carrier W)	E49. Maximum ERIP Density p Carrier (dBW/4kHz)	

Remote 2	11700 12200	R	Horizontal and Vertical	36M0D7W	0.0	0.0
E50. Modulation entirety.)	and Services (If the	ne complete descripti	ion does not appear in	n this box, please go	to the end of th	e form to view it in its
VCM, Data						
Remote 2	14000 14500	Т	Horizontal and Vertical	10M3G7W	36.0	2.0
E50. Modulation entirety.) VCM, Data	and Services (If the	ne complete descripti	ion does not appear in	n this box, please go	to the end of th	e form to view it in its

FREQUENCY COORDINATION

			Range of Satellite Arc E/W Limit	E56. Earth Station Azimuth Angle Eastern Limit	Antenna Elevation Angle	Station Azimuth Angle	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
Remote 2	Geostationary	11700 12200	69.0/ 134.0	0.0	5.0	0.0	5.0	0.0

	Geostationary	14000 14500	69.0/ 134.0	0.0		5.0	0.0	5.0	-12.0			
REMOTE CO	REMOTE CONTROL POINT LOCATION											
E61. Call Si	gn					. Phone Number -850-4503						
	NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.											
E62. Street A 3100 Highw Suite 120												
E63. City Raleigh			E67. County Wake	/			E64/68. State/Country NC/ USA	2760	. Zip Code 04			

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

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