Date & Time Filed: Feb 3 2021 3:25:10:153PM File Number: SES-REG-INTR2021-00482

Callsign/Satellite ID:

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

#### APPLICANT INFORMATION

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

Registration pursuant to waiver granted in IB Order DA 20–1258 for Call Sign E180329

		CARITOI PROARCACTRIC	DI N I	202 202 2420
N	ame:	CAPITOL BROADCASTING	Phone Number:	202-383-3429
		COMPANY INC		

**DBA Fax Number:** 202–783–5851

Name:

1-8. Legal Name of Applicant

Street: 1800 M STREET, NW E-Mail: doconnor@wbklaw.com

SUITE 800N

City: WASHINGTON State: DC

Country: USA Zipcode: 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 Knauer, LLP Fax Number: 202–783–5851

Street: 1800 M STREET, NW E-Mail: doconnor@wbklaw.com

SUITE 800N

City: WASHINGTON State: DC

Country: USA Zipcode: 20036–

Attention: Relationship:

#### **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.  a. 1. 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)
	<b>♦</b> 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. Modification of Database Entry
17c. Is a fee submitted with this application	ion?
	159. If No, indicate reason for fee exemption (see 47 C.F.R.Section 1.1114).
Governmental Entity Noncomme	ercial educational licensee
Other(please explain):	
17d.	
Fee Classification CMO – Receive Only E	arth Station

18. If this filing is in reference to an existing station, enter:	19. If this filing is an amendment to a pending a (a) Date pending application was filed:	pplication enter:  (b) File number of pending application:		
(a) Call sign of station: Not Applicable	Not Applicable	Not Applicable		

#### TYPE OF CEDVICE

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 only one.  Common Carrier  Non–Common Carrier	22. If earth station applicant, check all that apply.  We using U.S. licensed satellites  Using Non–U.S. licensed satellites
23. If applicant is providing INTERNATIONAL COMMON CARRIER sifacilities: <ul> <li>Connected to a Public Switched Network</li> <li>Not connected to</li> </ul>	ervice, see instructions regarding Sec. 214 filings. Choose one. Are these to 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
<b>1</b>

#### 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.	٥	Yes	No     No	
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 er	route	or	
29. Is the applicant a foreign government or the representative of any foreign government?	O Yes	<b>●</b> N	o	
30. Is the applicant an alien or the representative of an alien?	• Yes	O N	o 🌘 N/A	`
31. Is the applicant a corporation organized under the laws of any foreign government?	O Yes	O N	o <b>()</b> N/A	`
32. Is the applicant a corporation of which more than one–fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	O Yes	O N	o 💿 N/A	`

33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one–fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	O Yes O No	o 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.	O Yes	No
36. Has the applicant or any party to this application or amendment had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explination of circumstances.	<b>O</b> Yes	<b>⊚</b> 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	<b>⊚</b> 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	<b>⊚</b> 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	<b>⊘</b> 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.	<b>⊚</b> 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.	• Yes	<b>⊚</b> No
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, coordinated or is in the process of coordinating the space station?	what administr	ration has
43. Description. (Summarize the nature of the application and the services to be provided). (If the not appear in this box, please go to the end of the form to view it in its entirety.)  Per waiver in DA 20-1258, applicant files to register additional co-located	complete desc	ription does
associated with Antenna 1 of Call Sign E180329.	3.10011140	

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.	<b>●</b> 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.	<b>o</b> 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.

O Individual						
l <sup>=</sup>						
<b>~</b>						
	O Partnership					
Corporation						
Governmental Entity						
Other (please specify)						
45. Name of Person Signing Jennifer B. Venable  47. Please supply any need attachmatics.	ents.	46. Title of Per Vice President				
Attachment 1:	Attachment 2:		Attachment 3:			
(U.S. Code,	Title 18, Section 1001), AND/OR	R REVOCATION O	ABLE BY FINE AND / OR IMPRISON OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 503).			

Location of Earth Station Site

E1: Site Identifier: STA2 E5. Call Sign: E180329

E2: Contact Name Matt Brandes E6. Phone 000–000–0000

Number:

E3. Street: 5033 TV Tower E7. City: Garner

Road

E8. County: Wake

E4. State NC E9. Zip Code 27529

E10. Area of Operation: Garner, NC

E11. Latitude: 35 °40 '27.3 "N

E12. Longitude: 78 °32 '4.9 "W

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

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.	<b>●</b> 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	<b>⊚</b> 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:

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

## ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer		Size <meters></meters>	E41/42. Antenna GainTransmint and/or Recieve (dBi atGHz)
STA2	STA2	1	Andrew	4.5M	4.5	43.3 dBi at 4.0

Id	Diameter	Ground	(meters)	Height Above Ground Level 	Input Power at antenna flange 	Maximum Antenna Height	E40. Total EIRP for al carriers  (dBW)
STA2	4.5/4.5	2.5	93.7	0.0	0.0	0.0	0.0

	E43/44. Frequency Bands (MHz)	E45. T/R Mode			E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
STA2	4000 4200	R	Horizontal and Vertical	36M0G7D	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.)								
Digital Video and Audio								

E28. Antenna Id		Limits(MHz)	Range of Satellite Arc E/W Limit	Station Azimuth Angle	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)
STA2	Geostationary	4000 4200	70.0/ 135.0	165.6	47.6	251.7	15.2	0.0

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

Location of Earth Station Site

E1: Site Identifier: STA3 E5. Call Sign: E180329

E2: Contact Name Matt Brandes E6. Phone 000–000–0000

Number:

E3. Street: 5033 TV Tower E7. City: Garner

Road

E8. County: Wake

E4. State NC E9. Zip Code 27529

E10. Area of Operation: Garner, NC

E11. Latitude: 35 °40 '27.9 "N

E12. Longitude: 78 °32 '4.8 "W

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

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.	<b>⊚</b> Ye	s <b>O</b>	No 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	s o	No	<b>⊚</b> N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	O Ye	es	<b>●</b>	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	O Ye	es	•	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	es	•	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	es	•	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:

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

## ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer		Size <meters></meters>	E41/42. Antenna GainTransmint and/or Recieve (dBi atGHz)
STA3	STA3	1	Andrew	4.5M	4.5	43.3 dBi at 4.0

Id	Diameter	E35. Above Ground Level  (meters)	(meters)	Height Above Ground Level 	Input Power at antenna flange 	Maximum Antenna Height	E40. Total EIRP for al carriers  (dBW)
STA3	4.5/4.5	2.5	93.7	0.0	0.0	0.0	0.0

	E43/44. Frequency Bands (MHz)	E45. T/R Mode			E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
STA3	4000 4200	R	Horizontal and Vertical	36M0G7D	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.)	٦
Digital Video and Audio	
	J

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	Range of Satellite Arc E/W Limit	Station Azimuth Angle	E57. Antenna Elevation Angle Eastern Limit	Station Azimuth Angle		E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
STA3	Geostationary	4000 4200	70.0/ 135.0	165.6	47.6	251.7	15.2	0.0

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

Location of Earth Station Site

E1: Site Identifier: STA4 E5. Call Sign: E180329

E2: Contact Name Matt Brandes E6. Phone 000–000–0000

Number:

E3. Street: 5033 TV Tower E7. City: Garner

Road

E8. County: Wake

E4. State NC E9. Zip Code 27529

E10. Area of Operation: Raleigh, NC

E11. Latitude: 35 °40 '27.8 "N

E12. Longitude: 78 °32 '4.4 "W

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

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	• Yes	O No	O N/A
two-degree spacing policy.			
E16. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with 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	<b>⊚</b> N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	O Yes	•	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	O Yes	•	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	O Yes	•	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.	O Yes	•	No
POINTS OF COMMUNICATION			
Satellite Name:PERMITTED LIST   If you selected OTHER, please enter the following:			

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

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

## ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer		Size <meters></meters>	E41/42. Antenna GainTransmint and/or Recieve (dBi atGHz)
STA4	STA4	1	Andrew	4.5M	4.5	43.3 dBi at 4.0

Id	Diameter	E35. Above Ground Level  (meters)	(meters)	Height Above Ground Level 	Input Power at antenna flange 	Maximum Antenna Height	E40. Total EIRP for al carriers  (dBW)
STA4	4.5/4.5	2.5	93.7	0.0	0.0	0.0	0.0

	E43/44. Frequency Bands (MHz)	E45. T/R Mode			E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
STA4	4000 4200	R	Horizontal and Vertical	36M0G7D	0.0	0.0

E	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	
entii	rety.)	
	Digital Video and Audio	ì
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		1

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	Antenna Elevation Angle	E58. Earth Station Azimuth Angle Western Limit	Elevation Angle Western	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
STA4	Geostationary	4000 4200	70.0/ 135.0	165.6	47.6	251.7	15.2	0.0

E61. Call Sign		E65. Phone Number		
NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.				
E62. Street Address				
E63. City	E67. County		E64/68. State/Country	E66. Zip Code

Location of Earth Station Site

E1: Site Identifier: SAT2 E5. Call Sign: E180329

E2: Contact Name Matt Brandes E6. Phone 000–000–0000

Number:

E3. Street: 5033 TV Tower E7. City: Garner

Road

E8. County: Wake

E4. State NC E9. Zip Code 27529

E10. Area of Operation: Garner, NC

E11. Latitude: 35 °40 '27.0 "N

E12. Longitude: 78 °32 '6.5 "W

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

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	• Yes	O No	O N/A
two-degree spacing policy.			
E16. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with 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	<b>⊚</b> N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	O Yes	•	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	O Yes	•	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	O Yes	•	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.	O Yes	•	No
POINTS OF COMMUNICATION			
Satellite Name:PERMITTED LIST   If you selected OTHER, please enter the following:			

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

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

## ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer		Size <meters></meters>	E41/42. Antenna GainTransmint and/or Recieve (dBi atGHz)
SAT2	SAT2	1	EAS Inc.	4.5	4.5	43.3 dBi at 4.0

Id	Diameter	E35. Above Ground Level  (meters)	(meters)	Height Above Ground Level 	Input Power at antenna flange 	Maximum Antenna Height	E40. Total EIRP for al carriers  (dBW)
SAT2	4.5/4.5	2.5	93.7	0.0	0.0	0.0	0.0

	E43/44. Frequency Bands (MHz)	E45. T/R Mode			E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
SAT2	4000 4200	R	Horizontal and Vertical	36M0G7D	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.)	٦
Digital Video and Audio	
	J

E28. Antenna Id		Frequency Limits(MHz)	Range of Satellite Arc E/W Limit	Station Azimuth Angle	Antenna Elevation Angle Eastern Limit	Station Azimuth Angle Western	Antenna Elevation Angle Western	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
SAT2	Geostationary	4000 4200	70.0/ 135.0	165.6	47.6	251.7	15.2	0.0

E61. Call Sign		E65. Phone Number		
NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.				
E62. Street Address				
E63. City	E67. County		E64/68. State/Country	E66. Zip Code

Location of Earth Station Site

E1: Site Identifier: SAT4 E5. Call Sign: E180329

E2: Contact Name Matt Brandes E6. Phone 000–000–0000

Number:

E3. Street: 5033 TV Tower E7. City: Garner

Road

E8. County: Wake

E4. State NC E9. Zip Code 27529

E10. Area of Operation: Garner, NC

E11. Latitude: 35 °40 '27.6 "N

E12. Longitude: 78 °32 '6.7 "W

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

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	• Yes	O No	O N/A
two-degree spacing policy.			
E16. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with 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	<b>⊚</b> N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	O Yes	•	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	O Yes	•	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	O Yes	•	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.	O Yes	•	No
POINTS OF COMMUNICATION			
Satellite Name:PERMITTED LIST   If you selected OTHER, please enter the following:			

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

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

## ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer		Size <meters></meters>	E41/42. Antenna GainTransmint and/or Recieve (dBi atGHz)
SAT4	SAT4	1	EAS Inc.	4.5	4.5	43.3 dBi at 4.0

Id	Diameter	E35. Above Ground Level  (meters)	(meters)	Height Above Ground Level 	Input Power at antenna flange 	Maximum Antenna Height	E40. Total EIRP for al carriers  (dBW)
SAT4	4.5/4.5	2.5	93.7	0.0	0.0	0.0	0.0

	E43/44. Frequency Bands (MHz)	E45. T/R Mode			E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
SAT4	4000 4200	R	Horizontal and Vertical	36M0G7D	0.0	0.0

E	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	
entir	rety.)	
	Digital Video and Audio	
		,

E28. Antenna Id		Limits(MHz)	Range of Satellite Arc E/W Limit	Station Azimuth Angle		Station Azimuth Angle	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
SAT4	Geostationary	4000 4200	70.0/ 135.0	165.6	47.6	251.7	15.2	0.0

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

Location of Earth Station Site

E1: Site Identifier: SAT7 E5. Call Sign: E180329

E2: Contact Name Matt Brandes E6. Phone 000–000–0000

Number:

E3. Street: 5033 TV Tower E7. City: Garner

Road

E8. County: Wake

E4. State NC E9. Zip Code 27529

E10. Area of Operation: Garner, NC

E11. Latitude: 35 °40 '27.5 "N

E12. Longitude: 78 °32 '7.5 "W

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

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.	<b>⊚</b> Ye	s <b>O</b>	No 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	s o	No	<b>⊚</b> N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	O Ye	es	<b>●</b>	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	O Ye	es	•	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	es	•	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	es	•	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:

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

## ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer		Size <meters></meters>	E41/42. Antenna GainTransmint and/or Recieve (dBi atGHz)
SAT7	SAT7	1	EAS Inc.	4.5	4.5	43.3 dBi at 4.0

Id	Diameter	E35. Above Ground Level  (meters)	(meters)	Height Above Ground Level 	Input Power at antenna flange 	Maximum Antenna Height	E40. Total EIRP for al carriers  (dBW)
SAT7	4.5/4.5	2.5	93.7	0.0	0.0	0.0	0.0

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode			E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
SAT7	4000 4200	R	Horizontal and Vertical	36M0G7D	0.0	0.0

E	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	
entir	rety.)	
	Digital Video and Audio	
		,

E28. Antenna Id		Frequency Limits(MHz)	Range of Satellite Arc E/W Limit	Station Azimuth Angle	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)
SAT7	Geostationary	4000 4200	70.0/ 135.0	165.6	47.6	251.7	15.2	0.0

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

Location of Earth Station Site

E1: Site Identifier: SAT8 E5. Call Sign: E180329

E2: Contact Name Matt Brandes E6. Phone 000–000–0000

Number:

E3. Street: 5033 TV Tower E7. City: Garner

Road

E8. County: Wake

E4. State NC E9. Zip Code 27529

E10. Area of Operation: Garner, NC

E11. Latitude: 35 °40 '27.3 "

E12. Longitude: 78 °32 '7.2 "W

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

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.	<b>●</b> 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	<b>⊚</b> N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	O Yes	•	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	O Yes	•	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	O Yes	•	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.	O Yes	•	No
POINTS OF COMMUNICATION			
Satellite Name:PERMITTED LIST   If you selected OTHER, please enter the following:			

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

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

## ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer		Size <meters></meters>	E41/42. Antenna GainTransmint and/or Recieve (dBi atGHz)
SAT8	SAT8	1	EAS Inc.	4.5	4.5	43.3 dBi at 4.0

Id	Diameter	E35. Above Ground Level  (meters)	(meters)	Height Above Ground Level 	Input Power at antenna flange 	Maximum Antenna Height	E40. Total EIRP for al carriers  (dBW)
SAT8	4.5/4.5	2.5	93.7	0.0	0.0	0.0	0.0

	E43/44. Frequency Bands (MHz)	E45. T/R Mode			E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
SAT8	4000 4200	R	Horizontal and Vertical	36M0G7D	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.)	
Digital Video and Audio	

E28. Antenna Id		Frequency Limits(MHz)	Range of Satellite Arc E/W Limit	Station Azimuth Angle	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)
SAT8	Geostationary	4000 4200	70.0/ 135.0	165.6	47.6	251.7	15.2	0.0

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

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