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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:

#### IL 152 Charleston IL

Name:	Mediacom Communications Corporation	Phone Number:	845-695-2782
DBA Name:		Fax Number:	(845) 492–2295
Street:	100 Crystal Run Road	E–Mail:	
City:	Middletown	State:	NY
Country:	USA	Zipcode:	10941 –
Attention:	Deborah Gangaram Harrypersad		

9–16. Name of Contact Representative

Name: Donald Dettman Phone Number: (515) 246–2214

**Company:** Mediacom Communication **Fax Number:** (515) 246–2219

Corporation

Street: 3737 Westown Parkway E–Mail: ddettman@mediacomcc.com

City: West Des Moines State: IA

Country: USA Zipcode: 50266-

Attention: Donald Dettman Relationship: Engineer

### **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:  (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: 3700 Frequency Upper: 4200
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

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.	•	Yes	<b>⊚</b> No
ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aeronautical fixed radio station services are not required to respond to Items 30–34.	utical er	ı route	or
29. Is the applicant a foreign government or the representative of any foreign government?	O Yes	<b>⊚</b> N	О
30. Is the applicant an alien or the representative of an alien?	O Yes	<b>⊚</b> N	o <b>o</b> N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	O Yes	<b>⊚</b> N	o <b>o</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	<b>●</b> N	o <b>o</b> 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 N	Jo 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	<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

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.	• 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, v coordinated or is in the process of coordinating the space station?	vhat administ	ration has
43. Description. (Summarize the nature of the application and the services to be provided). (If the contrappear in this box, please go to the end of the form to view it in its entirety.)	complete desc	eription does
This location includes antenna that are used only for the reception of analogous	og and dig	gital

video from U.S. licensed satellites.

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.

44. Applicant is a (an): (Choose the butto	on next to applicable respons	e.)	
o Individual			
O Unincorporated Association			
Partnership			
© Corporation			
Governmental Entity			
Other (please specify)			
45. Name of Person Signing		46. Title of Person Signing	٦
Donald Dettman		Vice President, Digital Engineering	
47. Please supply any need attachments.			
Attachment 1:	Attachment 2:	Attachment 3:	
		RM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT	
· ·		R REVOCATION OF ANY STATION AUTHORIZATION	
(U.S. Code, Title 4	7, Section 312(a)(1)), AND/C	OR FORFEITURE (U.S. Code, Title 47, Section 503).	

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

Location of Earth Station Site

E1: Site Identifier: IL 152 E5. Call Sign:

E2: Contact Name Don Lovelle E6. Phone (845) 443–2600

Number:

E3. Street: 2 Miles SE E7. City: Charleston

Charlston on Roy

Reed Farm

E8. County: Coles

E4. State IL E9. Zip Code 52402

E10. Area of Operation: Charleston IL

E11. Latitude: 39 °28 '31.7 "N

E12. Longitude: 88 °8 '21.7 "W

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

E14. Site Elevation (AMSL): 214.3 meters

E15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS proposed antenna(s) comply with the antenna gain patterns specified in Se by the manufacturer's qualification measurement? If NO, provide as a tech two–degree spacing policy.	ection 25.209(a) and (b) as demonstrated	<b>⊚</b> ′	<i>l</i> es	O No	O N/A
E16. If the proposed antenna(s) do not operate in the Fixed Satellite Servi Satellite Service (FSS) with non–geostationary satellites, do(es) the propogain patterns specified in Section 25.209(a2) and (b) as demonstrated by the measurements?	sed antenna(s) comply with the antenna	Ο,	<i>Y</i> es	O No	● N/A
E17. Is the facility operated by remote control? If YES, provide the location point.	<b>^</b>	0	Yes	•	No
E18. Is frequency coordination required? If YES, attach a frequency coord	lination report as	0	Yes	•	No
E19. Is coordination with another country required? If YES, attach the nan coordination contours as	ne of the country(ies) and plot of	0	Yes	•	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.113(c)) you attached a copy of a completed FCC Form 854 and or the FAA's study structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESUAPPLICATION.	regarding the potential hazard of the	0	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	E23. Orbit Location:			E24. Country:				
				•				
Satellite Name:P	ERMITTED LIST	If you selected	OTHER, p	lease enter	the following:			
E21. Common Name	e:			E22. ITU	Name:			
E23. Orbit Location	:			E24. Cou	ntry:			
Satellite Name:P	ERMITTED LIST	If you selected	OTHER, p	lease enter	the following:			
E21. Common Name	e:			E22. ITU	Name:			
				•				
POINTS OF CO	OMMUNICATION	(Destination Points	5)					
ANTENNA								

E28. Antenna Id	E33/34. Diameter Minor/Major (meters)	E35. Above Ground Level  (meters)	E36. Above Sea Level  (meters)	E37. Building Height Above Ground Level  (meters)	E38. Total Input Power at antenna flange  (Watts)	Maximum Antenna Height	E40. Total EIRP for al carriers  (dBW)
ANT 1	3.8/3.8	4.7	219.0	5.2	0.0	-0.5	0.0
ANT 1	3.8/3.8	4.7	219.0	5.2	0.0	-0.5	0.0

FREQUENCY

E28. Antenna Id	E43/44. Frequency (MHz)	y Bands	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)
ANT 1	3700	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.)

entirety.)								
Video	_				_			
ANT 1	3700	4200	R	Horizontal and	36M0G7D	0.0	0.0	
				Vertical				

E50. Modulat entirety.)	ion and Servi	ces (If the complete	e description does not appear	in this box, please	go to the end of t	the form to view it in its
Video						
ANT 1	3700	4200 R	Horizontal and Vertical	36M0G7D	0.0	0.0
E50. Modulat entirety.)	ion and Servi	ces (If the complete	e description does not appear	in this box, please	go to the end of t	the form to view it in its
Video						
ANT 1	3700	4200 R	Horizontal and Vertical	36M0G7D	0.0	0.0
E50. Modulat entirety.)	ion and Servi	ces (If the complete	e description does not appear	in this box, please	go to the end of t	the form to view it in its
Video						

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)
ANT 1	Geostationary	3700 4200	60.0/ 140.0	139.9	35.9	243.5	20.4	0.0
	Geostationary	3700 4200	60.0/ 140.0	139.9	35.9	243.5	20.4	0.0
	Geostationary	3700 4200	60.0/ 140.0	139.9	35.9	243.5	20.4	0.0
	Geostationary	3700 4200	60.0/ 140.0	139.9	35.9	243.5	20.4	0.0

### REMOTE CONTROL POINT LOCATION

E61. Call Sign		E65. Phone Number		
NOTE: Please enter the callsign of the control 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: IL 152 E5. Call Sign:

E2: Contact Name Don Lovelle E6. Phone (845) 443–2600

Number:

E3. Street: 2 Miles SE E7. City: Charleston

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E8. County: Coles

E4. State IL E9. Zip Code 52402

E10. Area of Operation: Charleston IL

E11. Latitude: 39 °28 '31.7 "N

E12. Longitude: 88 °8 '21.7 "W

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

E14. Site Elevation (AMSL): 214.3 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.	<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:				

IL 152	ANT 1	1	DH		Gibralter	3.8	42.5 dBi at 4.0	
Site ID	E28. Antenna Id	E29. Quantity	E30. Manufac	cturer	E31. Model	E32. Antenna Size <meters></meters>	E41/42. Antenna GainTransmint and/or Recieve (dBi atGHz)	
ANTENNA								
E26. Common N	Name:			E27. Country:				
E25. Site Identi:	fier:							
	F COMMUNICATION	(Destination Poir	nts)					
E23. Orbit Loca	ation:			E24. Country:				
E21. Common N	Name:			E22. ITU Name:				
Satellite Nan	ne:PERMITTED LIST	If you selecte	ed OTHER, p	please ent	er the following:			
E23. Orbit Location:				E24. Country:				
E21. Common Name:				E22. IT	U Name:			
Satellite Nan	ne:PERMITTED LIST	If you selecte	ed OTHER, p	please ent	er the following:			
				1	•			
E23. Orbit Loca	E23. Orbit Location:				ountry:			
E21. Common N	Name:			E22. ITU Name:				
Satellite Nan	ne:PERMITTED LIST	If you selecte	ed OTHER, p	please ent	er the following:			
E23. Orbit Loca	ation:			E24. Co	ountry:			
E21. Common N	Name:			E22. ITU Name:				

42.5 dBi at 4.0

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)
ANT 1	3.8/3.8	4.7	219.0	5.2	0.0	-0.5	0.0
ANT 1	3.8/3.8	4.7	219.0	5.2	0.0	-0.5	0.0

## FREQUENCY

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)
ANT 1	3700 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.)

Video		

ANT 1 3700 4200 R	Horizontal and Vertical 36M0G7I	D [0.0	0.0
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E50. Modulation entirety.)	on and Servi	ces (If the con	nplete description of	loes not appear	in this box, please	go to the end of	the form to view it in its
Video							
ANT 1	3700	4200 R		orizontal and ortical	36M0G7D	0.0	0.0
E50. Modulation entirety.)	on and Servi	ces (If the con	nplete description of	loes not appear	in this box, please	go to the end of	the form to view it in its
Video							
ANT 1	3700	4200 R		orizontal and	36M0G7D	0.0	0.0
E50. Modulation entirety.)	on and Servi	ces (If the con	nplete description of	loes not appear	in this box, please	go to the end of	the form to view it in its
Video							

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)
ANT 1	Geostationary	3700 4200	60.0/ 140.0	139.9	35.9	243.5	20.4	0.0
	Geostationary	3700 4200	60.0/ 140.0	139.9	35.9	243.5	20.4	0.0
	Geostationary	3700 4200	60.0/ 140.0	139.9	35.9	243.5	20.4	0.0
	Geostationary	3700 4200	60.0/ 140.0	139.9	35.9	243.5	20.4	0.0

### REMOTE CONTROL POINT LOCATION

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

#### FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 0.25-24 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD–PERM, Paperwork Reduction Project (3060–0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060–0678.

THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104–13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.