41. By checking Yes, the undersigned certifies, that neither applicant nor any other party to the application subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Dru 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substa 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes. See

○ Yes ○ No

42a. Does the applicant intend to use a non-U.S. licensed satellite to provide service in the United States 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 ○ No

42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what administr coordinated or is in the process of coordinating the space station?

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.)

This location includes antenna that are used only for the reception of analog and digital 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 geo 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 geograp coverage requirements specified in 47 C.F.R. Part 25 and will comply with such requirements.	○ B
By selecting C, the undersigned certifies that the applicant is subject to the geographic service or geograp coverage requirements specified in 47 C.F.R. Part 25 and will not comply with such requirements becaus feasible as a technical matter to do so, or that, while technically feasible, such services would require so compromises in satellite design and operation as to make it economically unreasonable. A narrative des and technical analysis demonstrating this claim are attached.	○ C

CERTIFICATION

The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory p
United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordanc
application. The applicant certifies that grant of this application would not cause the applicant to be in violation of the spectrum aggre
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 ap
The undersigned, individually and for the applicant, hereby certifies that all statements made in this application and in all attached ex
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 button next to applicable response.)

- ○ Individual
- ○ Unincorporated Association
- ○ Partnership
- ◉ Corporation
- ○ Governmental Entity
- ○ Other (please specify)

45. Name of Person Signing	46. Title of Person Signing
Donald Dettman	Vice President, Digital Engineering

47. Please supply any need attachments.

Attachment 1:	Attachment 2:	Attachment 3:

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).

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:	IA 173	E5. Call Sign:			
E2: Contact Name	Todd Owen	E6. Phone Number:	(845) 443-2600		
E3. Street:	4010 Alexandra D	E7. City:	Waterloo		
		E8. County:	Black Hawk		
E4. State	IA	E9. Zip Code	50702		
E10. Area of Operation:		Waterloo IA			
E11. Latitude:	42 °27 '26.4 "N				
E12. Longitude:	92 °20 '1.7 "W				
E13. Lat/Lon Coordinates are:		○ NAD-27	◉ NAD-83	○ N/A	
E14. Site Elevation (AMSL):		268.8meters			

E15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as dem by the manufacturer's qualification measurement? If NO, provide a technical analysis showing compliance wi two-degree spacing policy.	(•) Yes ( ) No ( ) N/A
E16. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in t Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the gain patterns specified in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements?	( ) Yes ( ) No (•) N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the c point.	( ) Yes (•) No

E18. Is frequency coordination required? If YES, attach a frequency coordination report as	( ) Yes (•) No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	( ) Yes (•) No
E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is require you attached a copy of a completed FCC Form 854 and or the FAA's study regarding the potential hazard structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.	( ) 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:	
E26. Common Name:	E27. Country:

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size<meters>	E41/42. Antenna GainTransmint and/or Recieve (____dBi at _____GHz)
IA 173	ANT 1	1	DH	Gibralter	3.8	42.5 dBi at 4.0

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)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for al carriers (dBW)
ANT 1	3.8/3.8	4.7	273.5	5.2	0.0	-0.5	0.0

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)
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 entirety.)

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	136.9	31.1	238.4	21.8	0.0

REMOTE CONTROL POINT LOCATION

E61. Call Sign NOTE: Please enter the callsign of the controlling station, not tl callsign for which this application is being filed.		E65. Phone Number	
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 revie
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please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC
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PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

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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.