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.

○ 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.)

Registration for C-band receive only earth station pursuant to waiver in DA 18-398. WGS-84 coordinates are 40-15-16.9 N and 111-38-52.3 W.

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 desc 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)

University

| 45. Name of Person Signing | 46. Title of Person Signing |
|---|---|
| Matthew O. Richardson | Advancement Vice President |

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: | 1 | E5. Call Sign: | |
| E2: Contact Name | Scott Halvorsen | E6. Phone Number: | 801-422-8051 |
| E3. Street: | 701 E University Parkway | E7. City: | Provo |
| | | E8. County: | Utah |
| E4. State | UT | E9. Zip Code | 84602 |

E10. Area of Operation: CONUS, Alaska and Hawaii

E11. Latitude: 40°15'16.9"N

E12. Longitude: 111°38'52.3"W

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

E14. Site Elevation (AMSL): 1433.8meters

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?

( ) Yes (●) No

FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.

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) |
|---|---|---|---|---|---|---|
| 1 | BYU 02 | 1 | Comtech | 3.8 meter | 3.8 | 41.9 dBi at 4 |
| | BYU 03 | | Andrew | 4.5 meter | 4.5 | 43.8 dBi at 4 |
| | BYU 04 | | | | | 43.8 dBi at 4 |

| E28. Antenna Id | E33/34. Diameter Minor/Major (meters) | E35. Above Ground Level<BR> (meters) | E36. Above Sea Level<BR> (meters) | E37. Building Height Above Ground Level<BR> (meters) | E38. Total Input Power at antenna flange<BR> (Watts) | E39. Maximum Antenna Height Above Rooftop<BR> (meters) | E40. Total EIRP for al carriers<BR> (dBW) |
|---|---|---|---|---|---|---|---|
| BYU 02 | 3.8/3.8 | 0.0 | 1449.4 | 10.4 | 0.0 | 5.2 | 0.0 |
| BYU 03 | 4.5/4.5 | 0.0 | 1450.8 | 10.4 | 0.0 | 6.6 | 0.0 |
| BYU 04 | 4.5/4.5 | 0.0 | 1450.8 | 10.4 | 0.0 | 6.6 | 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) |
|---|---|---|---|---|---|---|

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| BYU 02 | 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 i entirety.)

NULL

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| BYU 03 | 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 i entirety.)

NULL

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| BYU 04 | 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 i entirety.)

NULL

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) |
|---|---|---|---|---|---|---|---|---|
| BYU 02 | Geostationary | 3700 4200 | 55.0/ 143.0 | 113.2 | 16.6 | 223.5 | 33.3 | 0.0 |
| BYU 03 | Geostationary | 3700 4200 | 55.0/ 143.0 | 113.2 | 16.6 | 223.5 | 33.3 | 0.0 |
| BYU 04 | Geostationary | 3700 4200 | 55.0/ 143.0 | 113.2 | 16.6 | 223.5 | 33.3 | 0.0 |

REMOTE CONTROL POINT LOCATION

E61. Call Sign

E65. Phone Number

NOTE: Please enter the callsign of the controlling station, not tl 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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