



SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)

FOR OFFICIAL USE ONLY

[INSTRUCTIONS]

1 copy of this form section exist.

SITE INFORMATION

E1: Site Identifier:	1	E5: Call Sign:	
E2: Contact Name:	Tracey L. Frohn	E6: Phone Number:	702-795-3343
E3: Street:		E7: City:	
		E8: County:	
E4: Zipcode:		E9: State:	

NOTE: The address requested here is for the earth station location - not your mailing address.

E10: Area of Operation: Various

E11: Latitude ° ' " E12: Longitude ° ' "

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

E14: Site Elevation (AMSL): 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 No 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? Yes No N/A

E17: Is the facility operated by remote control? If YES, provide the location and telephone number of the control 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 required, have you attached a copy of a completed**

FCC Form 854 and / or the FAA's study regarding the potential hazard of the Yes No
structure to aviation? [Attachment](#)

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

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POINTS OF COMMUNICATION

Site Identifier: 1

Satellite Name: ALSAT | ALL AUTHORIZED U.S. | ALSAT If you selected OTHER, please enter the following:

E21: Common Name:

E22: ITU Name:

E23: Orbit Location:

E24: Country: USA

Destination Points

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POINTS OF COMMUNICATION (Destination Points)

E25: Site Identifier: 1

Satellite Name: PERMITTED LIST

E26: Common Name:

E27: Country:USA

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ANTENNA Site Identifier: 1

E28: Antenna ID:	1	E29: Quantity:	1
E30: Manufacturer:	Andrew Corporation	E31: Model:	ESA24VSM-KU
E32: Diameter (meters):			2.4
E33: Diameter Minor (meters):			
E34: Diameter Major (meters):			
E35: Maximum Antenna Height Above Ground Level (meters):			5.852
E36: Maximum Antenna Height Above Mean Sea Level (meters):			
E37: Building Height Above Ground Level (meters):			
E38: Total Power at Antenna Flange for All Carriers(Watts):			500.00
E39: Maximum Antenna Height Above Rooftop (meters):			
E40: Total EIRP for All Carriers (dBW):			77.09

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ANTENNA GAIN

Site Identifier: 1

Antenna ID: 1

E41: Antenna Gain Transmit and/or Receive 50.1 dBi at E42: 14.2500 GHz

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**FREQUENCY
Site Identifier: 1
Antenna ID:1**

E43: Frequency Lower (MHz) : 14000.0000	E44: Frequency Upper (MHz) : 14500.000
E45: T/R Mode: T	E46: Polarization: Horizontal and Vertical
E47: Emission Designator:	36M0G7W
E48: Maximum EIRP per Carrier (dBW):	71.80
E49: Maximum EIRP Density per Carrier (dBW):	32.30
E50: Modulation and Services:	Digital Video With Associated Audio Subcarriers

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FREQUENCY COORD

Site Identifier: 1

Antenna ID: 1

E51: Satellite Orbit Type:	G
E52: Lower Frequency Limit:	14000.0000
E53: Upper Frequency Limit:	14500.0000
E54: Range of Satellite Arc Eastern Limit:	60.0 W
E55: Range of Satellite Arc Western Limit:	140.0 W
E56: Earth Station Azimuth Angle Eastern Limit:	142.9
E57: Antenna Elevation Angle Eastern Limit:	41.2
E58: Earth Station Azimuth Angle Western Limit:	248.5
E59: Antenna Elevation Angle Western Limit:	18.7
E60: Maximum EIRP Density toward the Horizon (dBW/4KHz):	-2.8

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