



**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: | E5: Call Sign: |
| E2: Contact Name: | E6: Phone Number: |
| E3: Street: | E7: City: |
| E4: Zipcode: | E8: County: |
| | E9: State: |

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

E10: Area of Operation:

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 Yes No N/A

Attachment a technical analysis showing compliance with 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? 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

Remote Control

E18: Is frequency coordination required? If YES, attach a frequency coordination report as Yes No

Attachment

E19: Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as Yes No

Attachment

E20:FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Yes No

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? [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: S1

Satellite Name: If you selected OTHER, please enter the following:

E21: Common Name: E22: ITU Name:

E23: Orbit Location: E24: Country:

Destination Points

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ANTENNA Site Identifier: S1

E28: Antenna ID:

E29:
Quantity:

E30:
Manufacturer:

E31: Model:

E32: Diameter (meters):

E33: Diameter Minor (meters):

E34: Diameter Major (meters):

E35: Maximum Antenna Height Above Ground Level
(meters):

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):

E39: Maximum Antenna Height Above Rooftop (meters):

E40: Total EIRP for All Carriers (dBW):

Antenna Gain

Frequency

Frequency Coord

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ANTENNA GAIN Site Identifier: S1 Antenna ID: 1

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

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FREQUENCY COORD Site Identifier: S1 Antenna ID: 1

| | | |
|--|----------------------|---|
| E51: Satellite Orbit Type: | <input type="text"/> | ▼ |
| E52: Lower Frequency Limit (MHz) : | <input type="text"/> | |
| E53: Upper Frequency Limit (MHz) : | <input type="text"/> | |
| E54: Range of Satellite Arc Eastern Limit: | <input type="text"/> | ▼ |
| E55: Range of Satellite Arc Western Limit: | <input type="text"/> | ▼ |
| E56: Earth Station Azimuth Angle Eastern Limit: | <input type="text"/> | |
| E57: Antenna Elevation Angle Eastern Limit: | <input type="text"/> | |
| E58: Earth Station Azimuth Angle Western Limit: | <input type="text"/> | |
| E59: Antenna Elevation Angle Western Limit: | <input type="text"/> | |
| E60: Maximum EIRP Density toward the Horizon (dBW/4KHz): | <input type="text"/> | |

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FREQUENCY

Site Identifier: S1 Antenna ID:1

E43: Frequency Lower (MHz) :

E44: Frequency Upper (MHz) :

E45: T/R Mode:

E46: Polarization:

E47: Emission Designator:

E48: Maximum EIRP per Carrier (dBW):

E49: Maximum EIRP Density per Carrier (dBW):

E50: Modulation and
Services :

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REMOTE CONTROL

Site Identifier: S1

E61. Callsign:

E65. Phone Number:

NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.

E62. Street:

E66. Zipcode:

E67. County:

E63. City:

E68. State:

E64. Country:

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