



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

**FOR OFFICIAL USE ONLY**

*1 copy of this form section exist.*

Approved by OMB  
Control No. 3060-0678

**SITE INFORMATION**

E1: Site Identifier:	<input type="text" value="3"/>	E5: Call Sign:	<input type="text"/>
E2: Contact Name:	<input type="text" value="Dennis Stacklin"/>	E6: Phone Number:	<input type="text" value="4052696759"/>
E3: Street:	<input type="text" value="2133 N. Sheridan Rd"/> <input type="text" value="Unit 13"/>	E7: City:	<input type="text" value="Tulsa"/>
E4: Zipcode:	<input type="text" value="74135"/>	E8: County:	<input type="text" value="USA"/>
		E9: State:	<input type="button" value="OK"/>

*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  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 structure to aviation?

Yes  No

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

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

The public reporting for this collection of information is estimated to average 2 - 80 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 Perm@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.**



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**ANTENNA  
Site Identifier: 3**

E28: Antenna ID:	<input type="text" value="1.8 SMK"/>	E29: Quantity:	<input type="text" value="1"/>
E30: Manufacturer:	<input type="text" value="VertexRSI"/>	E31: Model:	<input type="text" value="1.8SMK"/>

E32: Diameter (meters):	<input type="text" value="1.8"/>
E33: Diameter Minor (meters):	<input type="text" value="0.0"/>
E34: Diameter Major (meters):	<input type="text" value="0.0"/>
E35: Maximum Antenna Height Above Ground Level (meters):	<input type="text" value="3.0"/>
E36: Maximum Antenna Height Above Mean Sea Level (meters):	<input type="text" value="0.0"/>
E37: Building Height Above Ground Level (meters):	<input type="text" value="0.0"/>
E38: Total Power at Antenna Flange for All Carriers(Watts):	<input type="text" value="400"/>
E39: Maximum Antenna Height Above Rooftop (meters):	<input type="text" value="0.0"/>
E40: Total EIRP for All Carriers (dBW):	<input type="text" value="72.0"/>

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# Federal Communications Commission

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### ANTENNA GAIN

Site Identifier: 3 Antenna ID: 1.8 SMK

E41: Antenna Gain Transmit and/or Receive	45.9	dBi at E42:	14.250	GHz
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**FREQUENCY COORD  
Site Identifier: 3 Antenna ID: 1.8 SMK**

E51: Satellite Orbit Type:	<input type="text" value="Geostationary"/>
E52: Lower Frequency Limit ( MHz ) :	<input type="text" value="14000"/>
E53: Upper Frequency Limit ( MHz ) :	<input type="text" value="14500"/>
E54: Range of Satellite Arc Eastern Limit:	<input type="text" value="40.0"/> <input type="text" value="W"/>
E55: Range of Satellite Arc Western Limit:	<input type="text" value="140.0"/> <input type="text" value="W"/>
E56: Earth Station Azimuth Angle Eastern Limit:	<input type="text" value="110.9"/>
E57: Antenna Elevation Angle Eastern Limit:	<input type="text" value="17.8"/>
E58: Earth Station Azimuth Angle Western Limit:	<input type="text" value="237.7"/>
E59: Antenna Elevation Angle Western Limit:	<input type="text" value="28.6"/>
E60: Maximum EIRP Density toward the Horizon (dBW/4KHz):	<input type="text" value="-3.2"/>

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