

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:	DON DRAKE	E6: Phone Number:	608-513-5076
E3: Street:	2453 ATWOOD DR., STE. 203 MADISON, DANE, WI 53704	E7: City:	VARIOUS
E4: State:		E8: County:	
		E9: Zip Code:	
E10: Area of Operation:			
E11: Latitude:	0° 0' 0"		
E12: Longitude:	0° 0' 0"		
E13: Lat/Lon Coordinates are:	na		
E14: Site Elevation (AMSL):	0		

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 a technical analysis showing compliance with two-degree spacing policy.	Yes
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(a) and (b) as demonstrated by the manufacturer's qualification measurement?	N/A
Is Frequency Coordination required?	No
Is coordination with another country required?	No
Is FAA notification required?	Yes
Is facility operated by remote control?	No

POINTS OF COMMUNICATION

Satellite Name: PERMITTED LIST	
E21. Common Name: PERMITTED LIST	E22. ITU Name: PERMITTED LIST
E23. Orbit Location: GSO	E24. Country:

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size (meters)	E41/42. Antenna Gain Transmit and/or Recieve (dBi at GHz)
1	1- Ku	1	AVL	AV-2400-KU	2.4	undefined at 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 all carriers (dBW)
1- Ku	2.4/2.4	4.3	0	0	330	0	73.99

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size (meters)	E41/42. Antenna Gain Transmit and/or Recieve (dBi at GHz)
1	1-C	1	AVL	AVL 2400 C	2.4	undefined at 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 all carriers (dBW)
1-C	2.4/2.4	4.3	0	0	358	0	67.34

Site ID	E28. Antenna	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna	E41/42. Antenna Gain Transmit
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	Id				Size (meters)	and/or Recieve (dBi at GHz)
1	2	1	SAT-LITE	PELORIS 1811	1.8	undefined at 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 all carriers (dBW)
2	0/0	4	0	0	500	0	73.99

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)
1- Ku	14000 14500	T	null	36M0G7W	72.54	33

E50. Modulation and Services

DIGITAL VIDEO, AUDIO, DATA, & TELEMETRY

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)
1- Ku	11700 12200	R	null	36M0G7W	0	0

E50. Modulation and Services

DIGITAL VIDEO, AUDIO, DATA, & TELEMETRY

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	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
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					(dBW)	
1-C	5925 6425	T	null	36M0G7W	67.34	27.8

E50. Modulation and Services

DIGITAL VIDEO, AUDIO, DATA, & TELEMETRY

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)
2	14000 14500	T	null	36M0G7W	72.54	33

E50. Modulation and Services

DIGITAL VIDEO, AUDIO, DATA, & TELEMETRY

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)
2	11700 12200	R	null	36M0G7W	0	0

E50. Modulation and Services

DIGITAL VIDEO, AUDIO, DATA, & TELEMETRY

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/Western Limit	E57. Antenna Elevation Angle Eastern/Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
1- Ku	Geostationary	14000 14500	0 / 0	0 / 0	0 / 0	-0.4

1- KuGeostationary11700

122000 / 00 / 00 / 001-CGeostationary5925
 64250 / 00 / 00 / 0-7.82Geostationary14000
 145000 / 00 / 00 / 0-0.42Geostationary11700
 122000 / 00 / 00 / 00

REMOTE CONTROL POINT LOCATION

E61. Call Sign: undefined		E65. Phone Number: undefined	
E62. Street Address: undefined			
E63. City: undefined	E67. County: undefined	E64/68. State/Country: undefined / undefined	E66. Zip Code: undefined

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