

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:	Timothy M. Shroyer	E6: Phone Number:	408-232-1615
E3: Street:	2205 Fortune Dr.	E7: City:	San Jose
E4: State:	0f2d5cd7dbbd22008e0b75131f961907	E8: County:	USA
		E9: Zip Code:	95131
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.	No
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?	No
Is facility operated by remote control?	Yes

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	M20	50	General Dynamics	M20	0.5	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)
M20	0.5/0.5	3	0	0	15	0	47.36

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	M17	50	General Dynamics	M17	0.43	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)
M17	0.43/0.43	3	0	0	15	0	45.56

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	M24	50	General Dynamics	M24	0.6	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)
M24	0.6/0.6	3	0	0	15	0	48.86

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	M30	50	General Dynamics	M30	0.76	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)
M30	0.76/0.76	3	0	0	15	0	50.86

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)
M20	14000 14500	T	null	5M60G1D	47.36	12.6

E50. Modulation and Services

Digital Data

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)
M20	11700	R	null	5M60G1D	0	0

	12200					
E50. Modulation and Services						
Digital Data						

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)
M17	11700 12200	R	null	5M60G1D	0	0
E50. Modulation and Services						
Digital Data						

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)
M17	14000 14500	T	null	5M60G1D	45.56	10.8
E50. Modulation and Services						
Digital Data						

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)
M24	11700 12200	R	null	5M60G1D	0	0
E50. Modulation and Services						
Digital Data						

E28. Antenna	E43/44. Frequency	E45. T/R	E46. Antenna Polarization	E47. Emission	E48. Maximum	E49. Maximum ERIP Density
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Id	Bands (MHz)	Mode	(H,V,L,R)	Designator	EIRP per Carrier (dBW)	per Carrier (dBW/4kHz)
M24	14000 14500	T	null	5M60G1D	48.86	14.1

E50. Modulation and Services

Digital Data

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)
M30	11700 12200	R	null	5M60G1D	0	0

E50. Modulation and Services

Digital Data

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)
M30	14000 14500	T	null	5M60G1D	50.86	16.1

E50. Modulation and Services

Digital Data

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)
M20	Geostationary	14000	0 / 0	90 / 270	0 / 0	12.6

		14500				
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M20Geostationary11700

122000 / 090 / 2700 / 00M17Geostationary11700

122000 / 090 / 2700 / 00M17Geostationary14000

145000 / 090 / 2700 / 010.8M24Geostationary11700

122000 / 090 / 2700 / 00M24Geostationary14000

145000 / 090 / 2700 / 014.1M30Geostationary11700

122000 / 090 / 2700 / 00M30Geostationary14000

145000 / 090 / 2700 / 016.1

REMOTE CONTROL POINT LOCATION

E61. Call Sign: WD2XSB		E65. Phone Number: 888-272-7232	
E62. Street Address: 6155 El Camino Real			
E63. City: Calsbad	E67. County: USA	E64/68. State/Country: undefined / undefined	E66. Zip Code: 92009

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