

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:	The "CGW Sitka" Gateway	E5: Call Sign:	
E2: Contact Name:	SpaceX NoC	E6: Phone Number:	360-780-3103
E3: Street:	107 Cathedral Way	E7: City:	Sitka
E4: State:	072d5cd7dbbd22008e0b75131f96190c	E8: County:	Sitka Borough
		E9: Zip Code:	99503
E10: Area of Operation:	Sitka, AK - Alaska Communications' Central Office Building		
E11: Latitude:	57° 3' 5.688"		
E12: Longitude:	135° 20' 7.2054"		
E13: Lat/Lon Coordinates are:	nad-83		
E14: Site Elevation (AMSL):	7.62		

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.	N/A
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?	Yes
Is coordination with another country required?	No
Is FAA notification required?	No
Is facility operated by remote control?	Yes

BPSK up to 64 QAM; 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)
CO-1	29500 30000	T	null	480MD7W	60.5	9.7

E50. Modulation and Services

BPSK up to 64 QAM; 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)
CO-1	27500 29100	T	null	480MD7W	60.5	9.7

E50. Modulation and Services

BPSK up to 64 QAM; 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)
CO-1	17800 18600	R	null	480MD7W	0	0

E50. Modulation and Services

BPSK up to 64 QAM; Digital Data

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of	E56. Earth Station Azimuth Angle	E57. Antenna Elevation Angle Eastern/Western	E60. Maximum EIRP
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			Satellite Arc E/W Limit	Eastern/Western Limit	Limit	Density toward the Horizon (dBW/4kHz)
CO-1	Non- Geostationary	27500 29100	0 / 0	0 / 360	25 / 25	-42.8

CO-1Non-Geostationary17800

186000 / 00 / 36025 / 250CO-1Non-Geostationary18800

193000 / 00 / 36025 / 250CO-1Non-Geostationary29500

300000 / 00 / 36025 / 25-42.8

REMOTE CONTROL POINT LOCATION

E61. Call Sign: REDMOND		E65. Phone Number: 360-780-3103	
E62. Street Address: 23020 NE Alder Crest Drive			
E63. City: Redmond	E67. County: King	E64/68. State/Country: undefined / undefined	E66. Zip Code: 98053

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