

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:	Danielle Pineres	E6: Phone Number:	+1 202 222 5402
E3: Street:	1625 Richardson Hwy	E7: City:	Fairbanks
E4: State:	072d5cd7dbbd22008e0b75131f96190c	E8: County:	Fairbanks North Star
		E9: Zip Code:	96768
E10: Area of Operation:			
E11: Latitude:	64° 47' 37.3"		
E12: Longitude:	147° 32' 12.5"		
E13: Lat/Lon Coordinates are:	nad-83		
E14: Site Elevation (AMSL):	143.5		

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?	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: Planet Labs Flock (S2912)	
E21. Common Name: Planet FLOCK (S2912)	E22. ITU Name: USASAT-30F, USASAT-30F-1
E23. Orbit Location: NGSO	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	3	M2 Inc.	450CP34	2.7	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	0.3/2.7	3.8	147.3	0	100	0	36.5

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	449.97 450.03	T	null	60K0F1D	36.5	24.7

E50. Modulation and Services

Digital

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)
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1	450.07 450.13	T	null	60K0F1D	36.5	24.7390874
E50. Modulation and Services						
Digital						

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 EIRP Density per Carrier (dBW/4kHz)
1	401.27 401.33	R	null	60K0F1D	0	0
E50. Modulation and Services						
Digital						

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	Non-Geostationary	449.97 450.03	0 / 0	0 / 360	5 / 5	24.7

1Non-Geostationary401.27

401.330 / 00 / 3605 / 501Non-Geostationary450.07

450.130 / 00 / 3605 / 524.7

REMOTE CONTROL POINT LOCATION

E61. Call Sign:		E65. Phone Number:	
		+1 202 221 5402	
E62. Street Address:			
645 Harrison St., Fourth Floor			
E63. City:	E67. County:	E64/68. State/Country:	E66. Zip Code:

San Francisco	USA	undefined / undefined	94107
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