

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:	PSN-02	E5: Call Sign:	
E2: Contact Name:	Joseph Miller	E6: Phone Number:	6197884967
E3: Street:	401 E Lake Colleen Dr	E7: City:	Prudhoe Bay
E4: State:	072d5cd7dbbd22008e0b75131f96190c	E8: County:	North Slope Borough
		E9: Zip Code:	99734
E10: Area of Operation:	N/A		
E11: Latitude:	70° 12' 24.3"		
E12: Longitude:	148° 25' 51.5"		
E13: Lat/Lon Coordinates are:	nad-83		
E14: Site Elevation (AMSL):	23		

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

POINTS OF COMMUNICATION

Satellite Name:	
E21. Common Name: STPsat-7	E22. ITU Name: USBMM
E23. Orbit Location: NGSO	E24. Country: USA

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)
PSN-02	PAK1	4	Raven Defense	6m S/X-band parabolic	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)
PAK1	0/0	6.66	29.66	0	0	0	0

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 EIRP Density per Carrier (dBW/4kHz)
PAK1	2109.678 2109.822	T	null	72K0G1D	56	43.4472749

E50. Modulation and Services

BPSK, 312.5 kbps; STPsat-7 command uplin

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)
PAK1	Non-Geostationary	2109.678 2109.822	0 / 0	0 / 360	5 / 90	4.93

REMOTE CONTROL POINT LOCATION

E61. Call Sign: PSN SOC		E65. Phone Number: 6197884967	
E62. Street Address: 557 EAST PIKES PEAK AVE			
E63. City: COLORADO SPRINGS	E67. County: CO	E64/68. State/Country: undefined / undefined	E66. Zip Code: 80903

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