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:	Talkeetna	E5: Call Sign:	
E2: Contact Name:	Catherine Kuersten	E6: Phone Number:	1-310-961-9329
E3: Street:	21518 S. Comsat Rd	E7: City:	Talkeetna
E4: State:	072d5cd7dbbd22008e0b75131f96190c	E8: County:	Matanuska-Susitna
		E9: Zip Code:	99676
E10: Area of Operation:	Talkeetna, Alaska		
E11: Latitude:	62° 20' 0.7"		
E12: Longitude:	150° 2' 15.8"		
E13: Lat/Lon Coordinates are:	nad-83		
E14: Site Elevation (AMSL):	146		

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?	Yes
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

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)
Talkeetna	TALAK	6	Northwood Space Corp	NW24-Ka	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)
TALAK	0/0	3	149	0	1000	0	85.2

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)
TALAK	17200 21400	R	null	2M0DID	85.2	55.2103
E50. Modulation and Services						
DID						

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)
TALAK	27500 28350	T	null	2M0DID	82.2	55.2103
E50. Modulation and Services						

DID

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)
TALAK	28350 31000	T	null	2M0DID	85.2	58.2103

E50. Modulation and Services

DID

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)
TALAK	Geostationary	27500 28350	92 / 152	118.92 / 241	5.57 / 5.6	-19.98

TALAKGeostationary28350
3100092 / 152118.92 / 2415.57 / 5.6-16.98TALAKNon-Geostationary28350
310000 / 00 / 3605 / 5-16.98TALAKGeostationary17200
2140092 / 152118.92 / 2415.57 / 5.6-999TALAKNon-Geostationary17200
214000 / 00 / 3605 / 5-999TALAKNon-Geostationary27500
283500 / 00 / 3605 / 5-19.98

REMOTE CONTROL POINT LOCATION

E61. Call Sign:	E65. Phone Number: 1-310-961-9329
E62. Street Address: 20701 Manhattan Pl	

E63. City:	E67. County:	E64/68. State/Country:	E66. Zip Code:
Torrance	Los Angeles	undefined / undefined	90501

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