

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:	Loring	E5: Call Sign:	
E2: Contact Name:	Catherine Kuersten	E6: Phone Number:	1-310-961-9329
E3: Street:	23 Wyoming Circle	E7: City:	Limestone
E4: State:	322d5cd7dbbd22008e0b75131f961903	E8: County:	Aroostook
		E9: Zip Code:	04750
E10: Area of Operation:	Loring, Maine		
E11: Latitude:	46° 56' 0.9"		
E12: Longitude:	67° 54' 34"		
E13: Lat/Lon Coordinates are:	nad-83		
E14: Site Elevation (AMSL):	207		

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?	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)
Loring	LORNG	6	Northwood Space Corp	NW24	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)
LORNG	0/0	3	210	0	20	0	45.71

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)
LORNG	2025 2110	T	null	1M50DID	45.71	19.96

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)
LORNG	8025 8400	R	null	25M0DID	0	0

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)
LORNG	8450 8500	R	null	25M0DID	0	0

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)
LORNG	2200 2290	R	null	1M50DID	0	0

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)
LORNG	Non-Geostationary	8450 8500	0 / 0	0 / 360	5 / 5	-999

LORNGNon-Geostationary8025
84000 / 00 / 3605 / 5-999LORNGNon-Geostationary2025
21100 / 00 / 3605 / 516.26LORNGNon-Geostationary2200
22900 / 00 / 3605 / 5-999

REMOTE CONTROL POINT LOCATION

E61. Call Sign:	E65. Phone Number: 1-310-961-9329
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E62. Street Address: 20701 Manhattan Pl			
E63. City: Torrance	E67. County: Los Angeles	E64/68. State/Country: undefined / undefined	E66. Zip Code: 90501

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