



February 14, 2014

Re: Denali 20020, LLC
BREWSTER, WA (7.6 Meter)
Temporary Transmit-Only Earth Station
Operation Dates: 02/24/2014 - 05/24/2014
Job Number: 140214COMSGE01

Dear Frequency Coordinator:

On behalf of Denali 20020, LLC, we are forwarding the attached coordination data for a Temporary Transmit-Only Earth Station to be located at the site referenced above.

This earth station will transmit only on the satellite(s) and frequency or frequencies as described in the attached data. Please do not report cases involving non-active paths or frequencies outside the specified range.

If there are any questions concerning this coordination notice, please contact Comsearch.

Sincerely,

COMSEARCH

Gary K. Edwards
Senior Manager
gedwards@comsearch.com

Enclosure(s)

Date: 02/14/2014
Job Number: <PCNJobCode>

Administrative Information

Status: TEMPORARY (Operation from 02/24/2014 to 05/24/2014)
Call Sign: E990069
Licensee Code: DENALI
Licensee Name: Denali 20020, LLC

Site Information **BREWSTER, WA**

Venue Name
Latitude (NAD 83): 48° 8' 48.3" N
Longitude (NAD 83): 119° 42' 4.2" W
Climate Zone: A
Rain Zone: 5
Ground Elevation (AMSL): 382.8 m / 1255.9 ft

Link Information

Satellite Type: Low Earth Orbit
Mode: TO - Transmit-Only
Modulation: Digital
Minimum Elevation Angle: 5.0°
Azimuth Range: 0.0° to 360°
Antenna Centerline (AGL): 4.88 m / 16.0 ft

Antenna Information **Transmit - FCC32**

Manufacturer: NEC
Model: G2573C
Gain / Diameter: 50.3 dBi / 7.6 m
3-dB / 15-dB Beamwidth: 0.25° / 0.50°

Max Available RF Power (dBW/4 kHz): -26.4
(dBW/MHz): -2.4

Maximum EIRP (dBW/4 kHz): 23.9
(dBW/MHz): 47.9

Interference Objectives: Long Term: -154.0 dBW/4 kHz 20%
Short Term: -131.0 dBW/4 kHz 0.0025%

Frequency Information **Transmit 2.0 GHz**

Emission / Frequency Range (MHz): 1M31F1D / 2055.345 - 2056.655

Max Great Circle Coordination Distance: 183.2 km / 113.8 mi
Precipitation Scatter Contour Radius: 100.0 km / 62.1 mi

Coordination Values		BREWSTER, WA	
Licensee Name		Denali 20020, LLC	
Latitude (NAD 83)		48° 8' 48.3" N	
Longitude (NAD 83)		119° 42' 4.2" W	
Ground Elevation (AMSL)		382.8 m / 1255.9 ft	
Antenna Centerline (AGL)		4.88 m / 16.0 ft	
Antenna Model		NEC 7.6 Meter	
Antenna Mode		Transmit 2.0 GHz	
Interference Objectives: Long Term		-154.0 dBW/4 kHz	20%
	Short Term	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power		-26.4 (dBW/4 kHz)	

		Transmit 2.0 GHz		
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.00		5.00	183.20
5	0.00		5.00	183.20
10	0.00		5.00	183.20
15	0.00		5.00	183.20
20	0.00		5.00	183.20
25	0.00		5.00	183.20
30	0.00		5.00	183.20
35	0.00		5.00	183.20
40	0.00		5.00	183.20
45	0.00		5.00	183.20
50	0.00		5.00	183.20
55	0.00		5.00	183.20
60	0.00		5.00	183.20
65	0.00		5.00	183.20
70	0.00		5.00	183.20
75	0.00		5.00	183.20
80	0.00		5.00	183.20
85	0.00		5.00	183.20
90	0.00		5.00	183.20
95	0.00		5.00	183.20
100	0.00		5.00	183.20
105	0.00		5.00	183.20
110	0.00		5.00	183.20
115	0.00		5.00	183.20
120	0.00		5.00	183.20
125	0.00		5.00	183.20
130	0.00		5.00	183.20
135	0.00		5.00	183.20
140	0.00		5.00	183.20
145	0.00		5.00	183.20
150	0.00		5.00	183.20
155	0.00		5.00	183.20
160	0.00		5.00	183.20
165	0.00		5.00	183.20
170	0.00		5.00	183.20
175	0.00		5.00	183.20
180	0.00		5.00	183.20
185	0.00		5.00	183.20

Coordination Values**BREWSTER, WA**

Licensee Name Denali 20020, LLC
Latitude (NAD 83) 48° 8' 48.3" N
Longitude (NAD 83) 119° 42' 4.2" W
Ground Elevation (AMSL) 382.8 m / 1255.9 ft
Antenna Centerline (AGL) 4.88 m / 16.0 ft
Antenna Model NEC 7.6 Meter
Antenna Mode Transmit 2.0 GHz
Interference Objectives: Long Term -154.0 dBW/4 kHz 20%
Short Term -131.0 dBW/4 kHz 0.0025%
Max Available RF Power -26.4 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 2.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	0.00		5.00	183.20
195	0.00		5.00	183.20
200	0.00		5.00	183.20
205	0.00		5.00	183.20
210	0.00		5.00	183.20
215	0.00		5.00	183.20
220	0.00		5.00	183.20
225	0.00		5.00	183.20
230	0.00		5.00	183.20
235	0.00		5.00	183.20
240	0.00		5.00	183.20
245	0.00		5.00	183.20
250	0.00		5.00	183.20
255	0.00		5.00	183.20
260	0.00		5.00	183.20
265	0.00		5.00	183.20
270	0.00		5.00	183.20
275	0.00		5.00	183.20
280	0.00		5.00	183.20
285	0.00		5.00	183.20
290	0.00		5.00	183.20
295	0.00		5.00	183.20
300	0.00		5.00	183.20
305	0.00		5.00	183.20
310	0.00		5.00	183.20
315	0.00		5.00	183.20
320	0.00		5.00	183.20
325	0.00		5.00	183.20
330	0.00		5.00	183.20
335	0.00		5.00	183.20
340	0.00		5.00	183.20
345	0.00		5.00	183.20
350	0.00		5.00	183.20
355	0.00		5.00	183.20