



COMSEARCH[®]

A CommScope Company

November 03, 2017

Re: Denali 20020, LLC
BREWSTER, WA
Temporary Transmit-Only Earth Station
Operation Dates: 02/28/2018 - 05/28/2018
Job Number: 171103COMSGE05

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 4 GHz facilities or problems 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: 11/03/2017
Job Number: 171103COMSGE05

Administrative Information

Status: TEMPORARY (Operation from 02/28/2018 to 05/28/2018)
Call Sign: TEMP05
Licensee Code: DENALI
Licensee Name: Denali 20020, LLC

Site Information**BREWSTER, WA**

Venue Name
Latitude (NAD 83): 48° 8' 46.7" N
Longitude (NAD 83): 119° 42' 12.1" W
Climate Zone: A
Rain Zone: 5
Ground Elevation (AMSL): 382.83 m / 1256.0 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: 7.6 meter
Gain / Diameter: 52.7 dBi / 7.6 m
3-dB / 15-dB Beamwidth: 0.52° / 0.98°

Max Available RF Power: (dBW/4 kHz) 7.3
(dBW/MHz) 31.3

Maximum EIRP: (dBW/4 kHz) 60.0
(dBW/MHz) 84.0

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

Frequency Information**Transmit 6.7 GHz**

Emission / Frequency Range (MHz): 400KG7W / 6723.75 and 7026.25

Max Great Circle Coordination Distance: 370.0 km / 229.9 mi
Precipitation Scatter Contour Radius: 147.0 km / 91.3 mi

Coordination Values		BREWSTER, WA	
Licensee Name		Denali 20020, LLC	
Latitude (NAD 83)		48° 8' 46.7" N	
Longitude (NAD 83)		119° 42' 12.1" W	
Ground Elevation (AMSL)		382.83 m / 1256.0 ft	
Antenna Centerline (AGL)		4.88 m / 16.0 ft	
Antenna Model		NEC 7.6 meter	
Antenna Mode		Transmit 6.7 GHz	
Interference Objectives: Long Term		-154.0 dBW/4 kHz	20%
	Short Term	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power	7.3 (dBW/4 kHz)		

Transmit 6.7 GHz				
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)
0	1.88	69.99	4.50	370.00
5	2.03	65.76	4.50	370.00
10	2.62	61.74	4.50	370.00
15	1.73	57.33	4.50	370.00
20	0.93	52.95	4.50	370.00
25	1.77	49.36	4.50	370.00
30	0.58	44.95	4.50	370.00
35	0.36	41.15	4.50	370.00
40	0.63	37.89	4.50	370.00
45	1.03	35.10	4.50	370.00
50	0.87	32.32	4.50	370.00
55	1.02	30.32	4.50	370.00
60	1.08	28.91	4.50	370.00
65	1.60	28.71	4.50	370.00
70	1.82	29.01	4.50	370.00
75	1.51	29.57	4.50	370.00
80	2.06	31.65	4.50	370.00
85	2.17	33.91	4.50	370.00
90	2.44	36.76	4.50	370.00
95	2.40	39.76	4.50	370.00
100	2.24	43.00	4.50	370.00
105	1.90	46.42	4.50	370.00
110	1.68	50.13	4.50	370.00
115	1.44	53.99	4.50	370.00
120	1.38	58.06	4.50	370.00
125	1.07	62.15	4.50	370.00
130	0.48	66.28	4.50	370.00
135	0.37	70.59	4.50	370.00
140	0.00	74.92	4.50	370.00
145	0.00	79.35	4.50	370.00
150	0.00	83.79	4.50	370.00
155	0.00	88.24	4.50	370.00
160	0.00	92.69	4.50	370.00
165	0.00	97.14	4.50	370.00
170	0.00	101.57	4.50	370.00
175	0.00	105.99	4.50	370.00
180	0.00	110.38	4.50	370.00
185	0.00	114.73	4.50	370.00

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Licensee Name		Denali 20020, LLC	
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Ground Elevation (AMSL)		382.83 m / 1256.0 ft	
Antenna Centerline (AGL)		4.88 m / 16.0 ft	
Antenna Model		NEC 7.6 meter	
Antenna Mode		Transmit 6.7 GHz	
Interference Objectives: Long Term		-154.0 dBW/4 kHz	20%
	Short Term	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power	7.3 (dBW/4 kHz)		

Transmit 6.7 GHz				
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	119.03	4.50	370.00
195	0.00	123.27	4.50	370.00
200	0.00	127.42	4.50	370.00
205	0.00	131.46	4.50	370.00
210	0.00	135.35	4.50	370.00
215	0.00	139.06	4.50	370.00
220	0.00	142.53	4.50	370.00
225	0.00	145.68	4.50	370.00
230	0.00	148.41	4.50	370.00
235	0.00	150.60	4.50	370.00
240	0.40	151.75	4.50	370.00
245	2.21	150.68	4.50	370.00
250	3.21	149.61	4.50	370.00
255	3.42	148.59	4.50	370.00
260	3.29	147.23	4.50	370.00
265	3.75	144.77	4.50	370.00
270	4.21	141.88	4.50	370.00
275	4.64	138.69	4.50	370.00
280	5.01	135.29	4.50	370.00
285	4.80	132.01	4.50	370.00
290	4.72	128.43	4.50	370.00
295	4.23	124.87	4.50	370.00
300	3.66	121.15	4.50	370.00
305	2.08	117.56	4.50	370.00
310	2.48	113.25	4.50	370.00
315	2.12	109.08	4.50	370.00
320	2.06	104.78	4.50	370.00
325	1.65	100.49	4.50	370.00
330	1.88	96.11	4.50	370.00
335	2.23	91.73	4.50	370.00
340	0.61	87.33	4.50	370.00
345	0.00	82.86	4.50	370.00
350	0.00	78.43	4.50	370.00
355	0.67	74.11	4.50	370.00