



February 08, 2011

Re: Denali 20020, LLC
MARCH AFB, CA (6.3 Meter)
C-Band Transmit-Receive Earth Station
Job Number: 110208COMSGE01

Dear Frequency Coordinator:

This notice is being provided in accordance with Section 25.203(c) of the FCC Rules and Regulations. We are forwarding the attached coordination data on behalf of Denali 20020, LLC, 66-C Teleport Drive, P.O. Box 430 Brewster, WA 98812 for a C-Band Transmit-Receive Earth Station to be located in MARCH AFB, CA.

The coordination notice is being circulated to the owners (or their protection agents) of all existing or proposed terrestrial facilities operating in a shared frequency band within the coordination contours of the proposed station(s).

We respectfully request that you examine this data for its interference potential with your system(s). In the event that your analysis identifies potential interference cases that have not been resolved, please contact us by March 15, 2011.

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

Sincerely,

COMSEARCH

A handwritten signature in black ink, appearing to read "Gary K. Edwards". The signature is written in a cursive style and is positioned above a horizontal line.

Gary K. Edwards
Senior Manager
gedwards@comsearch.com

Enclosure(s)

Date: 02/08/2011
 Job Number: <PCNJobCode>

Administrative Information

Status ENGINEER PROPOSAL
 Call Sign <PCNCallSign>
 Licensee Code DENALI
 Licensee Name Denali 20020, LLC

Site Information MARCH AFB, CA

Venue Name
 Latitude (NAD 83) 33° 54' 23.0" N
 Longitude (NAD 83) 117° 14' 57.5" W
 Climate Zone A
 Rain Zone 4
 Ground Elevation (AMSL) 468.5 m / 1537.1 ft

Link Information

Satellite Type Geostationary
 Mode TR - Transmit-Receive
 Modulation Digital
 Satellite Arc 83° W to 83° West Longitude
 Azimuth Range 129.3° to 129.3°
 Corresponding Elevation Angles 36.3° / 36.3°
 Antenna Centerline (AGL) 4.88 m / 16.0 ft

Antenna Information

		Receive - FCC32		Transmit - FCC32	
Manufacturer		Vertex RSI		Vertex RSI	
Model		6.3 meter		6.3 meter	
Gain / Diameter		46.3 dBi / 6.3 m		50.2 dBi / 6.3 m	
3-dB / 15-dB Beamwidth		0.85° / 1.70°		0.56° / 1.20°	
Max Available RF Power	(dBW/4 kHz)			-18.8	
	(dBW/MHz)			5.2	
Maximum EIRP	(dBW/4 kHz)			31.4	
	(dBW/MHz)			55.4	
Interference Objectives:	Long Term	-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz	20%
	Short Term	-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz	0.0025%

Frequency Information

	Receive 4.0 GHz	Transmit 6.1 GHz
Emission / Frequency Range (MHz)	1M23G7W - 9M00G7W / 3700.0 - 4200.0	1M23G7W - 9M00G7W / 5925.0 - 5959.0 1M23G7W - 9M00G7W / 5991.0 - 6107.0 1M23G7W - 9M00G7W / 6139.0 - 6181.0 1M23G7W - 9M00G7W / 6243.0 - 6270.0 1M23G7W - 9M00G7W / 6332.0 - 6425.0

Max Great Circle Coordination Distance	302.4 km / 187.9 mi	127.0 km / 78.9 mi
Precipitation Scatter Contour Radius	358.4 km / 222.7 mi	100.0 km / 62.1 mi

Coordination Values		MARCH AFB, CA			
Licensee Name		Denali 20020, LLC			
Latitude (NAD 83)		33° 54' 23.0" N			
Longitude (NAD 83)		117° 14' 57.5" W			
Ground Elevation (AMSL)		468.5 m / 1537.1 ft			
Antenna Centerline (AGL)		4.88 m / 16.0 ft			
Antenna Model		Vertex 6.3 meter			
Antenna Mode		Receive 4.0 GHz		Transmit 6.1 GHz	
Interference Objectives: Long Term		-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz	20%
Short Term		-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power		-18.8 (dBW/4 kHz)			

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.92	121.11	-10.00	224.71	-10.00	100.00
5	1.86	117.71	-10.00	198.36	-10.00	100.00
10	0.91	113.53	-10.00	225.00	-10.00	100.00
15	1.17	109.69	-10.00	215.22	-10.00	100.00
20	2.75	106.01	-10.00	177.30	-10.00	100.00
25	3.02	101.94	-10.00	171.05	-10.00	100.00
30	2.36	97.73	-10.00	186.27	-10.00	100.00
35	1.93	93.57	-10.00	196.36	-10.00	100.00
40	2.00	89.45	-10.00	194.50	-10.00	100.00
45	1.45	85.35	-10.00	206.93	-10.00	100.00
50	0.94	81.32	-10.00	223.33	-10.00	100.00
55	0.65	77.33	-10.00	240.26	-10.00	100.00
60	0.55	73.36	-10.00	246.68	-10.00	100.00
65	0.79	69.36	-10.00	231.66	-10.00	100.00
70	1.05	65.39	-10.00	218.65	-10.00	100.00
75	0.48	61.79	-10.00	252.04	-10.00	100.00
80	0.00	58.33	-10.00	285.28	-10.00	120.16
85	0.00	54.81	-10.00	285.28	-10.00	120.16
90	0.00	51.45	-10.00	285.28	-10.00	120.16
95	0.60	47.90	-10.00	243.58	-10.00	100.00
100	0.83	44.78	-9.28	233.80	-9.28	100.00
105	0.64	42.26	-8.65	248.69	-8.65	100.00
110	1.00	39.65	-7.96	231.05	-7.96	100.00
115	1.70	37.12	-7.24	213.01	-7.24	100.00
120	2.35	35.08	-6.63	202.57	-6.63	100.00
125	2.54	34.02	-6.29	200.13	-6.29	100.00
130	1.80	34.52	-6.45	214.10	-6.45	100.00
135	0.87	35.84	-6.86	244.82	-6.86	100.00
140	0.00	37.65	-7.39	302.41	-7.39	126.99
145	0.00	39.12	-7.81	299.59	-7.81	125.89
150	0.00	41.07	-8.34	296.07	-8.34	124.50
155	0.00	43.43	-8.94	292.08	-8.94	122.91
160	0.00	46.13	-9.60	287.84	-9.60	121.20
165	0.00	49.11	-10.00	285.28	-10.00	120.16
170	0.00	52.33	-10.00	285.28	-10.00	120.16
175	0.00	55.73	-10.00	285.28	-10.00	120.16
180	0.00	59.29	-10.00	285.28	-10.00	120.16
185	0.00	62.97	-10.00	285.28	-10.00	120.16

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Interference Objectives: Long Term		-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz	20%
Short Term		-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power		-18.8 (dBW/4 kHz)			

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz		Coordination Distance (km)
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)	
190	0.00	66.75	-10.00	285.28	-10.00	120.16	
195	0.27	70.54	-10.00	275.99	-10.00	114.13	
200	0.56	74.42	-10.00	246.09	-10.00	100.00	
205	0.49	78.42	-10.00	250.68	-10.00	100.00	
210	0.44	82.45	-10.00	256.24	-10.00	100.85	
215	0.57	86.49	-10.00	245.54	-10.00	100.00	
220	0.56	90.54	-10.00	246.14	-10.00	100.00	
225	0.53	94.60	-10.00	247.94	-10.00	100.00	
230	0.49	98.63	-10.00	250.67	-10.00	100.00	
235	0.51	102.65	-10.00	249.32	-10.00	100.00	
240	0.54	106.64	-10.00	246.92	-10.00	100.00	
245	0.59	110.59	-10.00	244.05	-10.00	100.00	
250	0.66	114.48	-10.00	239.63	-10.00	100.00	
255	0.72	118.30	-10.00	236.07	-10.00	100.00	
260	0.81	122.04	-10.00	230.99	-10.00	100.00	
265	0.73	125.57	-10.00	235.69	-10.00	100.00	
270	0.72	128.97	-10.00	236.29	-10.00	100.00	
275	0.52	132.05	-10.00	248.20	-10.00	100.00	
280	0.27	134.82	-10.00	276.01	-10.00	114.14	
285	0.24	137.43	-10.00	280.14	-10.00	116.84	
290	0.00	139.49	-10.00	285.28	-10.00	120.16	
295	0.00	141.32	-10.00	285.28	-10.00	120.16	
300	0.00	142.66	-10.00	285.28	-10.00	120.16	
305	0.00	143.46	-10.00	285.28	-10.00	120.16	
310	0.00	143.68	-10.00	285.28	-10.00	120.16	
315	0.00	143.30	-10.00	285.28	-10.00	120.16	
320	0.25	142.60	-10.00	278.56	-10.00	115.81	
325	0.80	141.60	-10.00	231.08	-10.00	100.00	
330	3.11	141.52	-10.00	168.87	-10.00	100.00	
335	3.90	139.54	-10.00	149.90	-10.00	100.00	
340	2.78	135.80	-10.00	176.58	-10.00	100.00	
345	1.73	131.98	-10.00	201.79	-10.00	100.00	
350	0.62	128.02	-10.00	242.02	-10.00	100.00	
355	0.58	124.56	-10.00	244.54	-10.00	100.00	

An interference study for this proposed earth station site indicates that no interference conflicts will exist based on the proposed operating parameters. A copy of the Coordination Final Report will be forwarded at the end of the Coordination period.