

Exhibit B

Frequency Coordination

Per 47 C.F.R. Ch. 1 §25.130(b), attached is a “Frequency Coordination And Interference Analysis Report” performed pursuant to 47 C.F.R. Ch. 1 §25.203(c).

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for
GCI Communications Corporation
COEUR MINING, AK
Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147
July 22, 2013

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1. CONCLUSIONS

An interference study considering all existing, proposed and prior coordinated microwave facilities within the coordination contours of the proposed earth station demonstrates that this site will operate satisfactorily with the common carrier microwave environment. Further, there will be no restrictions of its operation due to interference considerations.

2. SUMMARY OF RESULTS

A number of great circle interference cases were identified during the interference study of the proposed earth station. Each of the cases, which exceeded the interference objective on a line-of-sight basis, was profiled and the propagation losses estimated using NBS TN101 (Revised) techniques. The losses were found to be sufficient to reduce the signal levels to acceptable magnitudes in every case.

The following company reported potential great circle interference conflicts that did not meet the objectives on a line-of-sight basis. When over-the-horizon losses are considered on the interfering paths, sufficient blockage exists to negate harmful interference from occurring with the proposed transmit-receive earth station.

Company

Alaska Power & Telephone Company

No other carriers reported potential interference cases.

3. SUPPLEMENTAL SHOWING

Pursuant to Part 25.203(c) of the FCC Rules and Regulations, the satellite earth station proposed in this application was coordinated by Comsearch using computer techniques and in accordance with Part 25 of the FCC Rules and Regulations.

Coordination data for this earth station was sent to the below listed carriers with a letter dated 07/18/2013.

Company

Alascom Inc

Alaska Power & Telephone Company

NORTHWESTEL INC

4. EARTH STATION COORDINATION DATA

This section presents the data pertinent to frequency coordination of the proposed earth station that was circulated to all carriers within its coordination contours.

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

Date: 07/22/2013
Job Number: 130718COMSTC06

Administrative Information

Status ENGINEER PROPOSAL
Call Sign COUER MI
Licensee Code P3203
Licensee Name GCI Communications Corporation

Site Information

COEUR MINING, AK

Venue Name
Latitude (NAD 83) 58° 51' 58.7" N
Longitude (NAD 83) 135° 6' 21.7" W
Climate Zone A
Rain Zone 3
Ground Elevation (AMSL) 224.94 m / 738.0 ft

Link Information

Satellite Type Geostationary
Mode TR - Transmit-Receive
Modulation Digital
Satellite Arc 75° W to 194° West Longitude
Azimuth Range 116.2° to 242.7°
Corresponding Elevation Angles 6.3° / 6.9°
Antenna Centerline (AGL) 3.66 m / 12.0 ft

Antenna Information

Receive

Transmit

Manufacturer	General Dynamics	General Dynamics
Model	2244	2244
Gain / Diameter	38.1 dBi / 2.4 m	42.2 dBi / 2.4 m
3-dB / 15-dB Beamwidth	1.50° / 3.00°	1.00° / 2.00°

Max Available RF Power (dBW/4 kHz)
(dBW/MHz)

45K0G7W - 36M0G7W
45K0D7W - 36M0D7W
-8.1 -23.52
15.9 -0.48

Maximum EIRP (dBW/4 kHz)
(dBW/MHz)
(dBW)

34.1 18.68
58.1 43.68
44.6 58.22

Interference Objectives: Long Term -156.0 dBW/MHz 20%
Short Term -146.0 dBW/MHz 0.01%

-154.0 dBW/4 kHz 20%
-131.0 dBW/4 kHz 0.0025%

Frequency Information

Receive 4.0 GHz

Transmit 6.1 GHz

Emission / Frequency Range (MHz) 45K0G7W - 36M0G7W / 3700.0 - 4200.0 45K0G7W - 36M0G7W / 5925.0 - 6425.0
45K0D7W - 36M0D7W / 3700.0 - 4200.0 45K0D7W - 36M0D7W / 5925.0 - 6425.0

Max Great Circle Coordination Distance 442.4 km / 274.8 mi
Precipitation Scatter Contour Radius 418.7 km / 260.1 mi

212.0 km / 131.7 mi
100.0 km / 62.1 mi

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Coordination Values

COEUR MINING, AK

Licensee Name GCI Communications Corporation
Latitude (NAD 83) 58° 51' 58.7" N
Longitude (NAD 83) 135° 6' 21.7" W
Ground Elevation (AMSL) 224.94 m / 738.0 ft
Antenna Centerline (AGL) 3.66 m / 12.0 ft
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 -8.1 (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	22.61	115.07	-10.00	100.00	-10.00	100.00
5	21.88	110.39	-10.00	100.00	-10.00	100.00
10	22.99	105.50	-10.00	100.00	-10.00	100.00
15	23.82	100.68	-10.00	100.00	-10.00	100.00
20	26.32	95.83	-10.00	100.00	-10.00	100.00
25	27.52	91.12	-10.00	100.00	-10.00	100.00
30	28.26	86.48	-10.00	100.00	-10.00	100.00
35	28.31	81.85	-10.00	100.00	-10.00	100.00
40	27.16	77.12	-10.00	100.00	-10.00	100.00
45	26.09	72.35	-10.00	100.00	-10.00	100.00
50	26.99	67.83	-10.00	100.00	-10.00	100.00
55	28.15	63.45	-10.00	100.00	-10.00	100.00
60	28.51	59.01	-10.00	100.00	-10.00	100.00
65	31.27	55.39	-10.00	100.00	-10.00	100.00
70	30.18	50.74	-10.00	100.00	-10.00	100.00
75	28.81	45.97	-9.56	100.00	-9.56	100.00
80	27.28	41.12	-8.35	100.00	-8.35	100.00
85	25.80	36.27	-6.99	100.00	-6.99	100.00
90	23.27	30.90	-5.25	100.00	-5.25	100.00
95	22.37	26.39	-3.54	100.00	-3.54	100.00
100	18.44	20.16	-0.61	100.00	-0.61	100.00
105	16.22	14.93	2.65	100.34	2.65	100.00
110	14.51	10.28	6.70	131.16	6.70	100.00
115	14.07	7.49	10.14	432.25	10.14	212.02
120	12.98	4.31	16.15	339.42	16.15	161.88
125	12.53	1.80	25.60	301.21	25.60	121.17
130	12.34	0.55	38.10	388.39	38.45	150.23
135	10.47	3.97	17.04	223.43	17.04	100.00
140	10.53	5.65	13.19	201.19	13.19	100.00
145	11.17	6.61	11.50	185.90	11.50	100.00
150	11.84	7.34	10.36	173.23	10.36	100.00
155	11.69	8.68	8.54	161.17	8.54	100.00
160	11.25	10.10	6.90	154.26	6.90	100.00
165	9.79	12.32	4.74	153.54	4.74	100.00
170	9.25	13.44	3.79	153.53	3.79	100.00
175	8.71	14.32	3.10	155.12	3.10	100.00
180	8.09	15.05	2.56	158.61	2.56	100.00
185	7.94	15.08	2.54	160.25	2.54	100.00

COMSEARCH

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Coordination Values

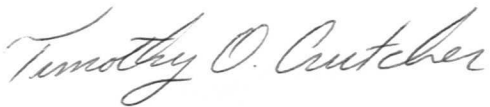
COEUR MINING, AK

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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			-8.1 (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)
190	8.21	14.47	2.99	159.89	2.99	100.00
195	9.91	12.21	4.84	152.92	4.84	100.00
200	11.15	10.19	6.80	154.44	6.80	100.00
205	11.78	8.59	8.65	161.11	8.65	100.00
210	12.69	6.51	11.65	174.03	11.65	100.00
215	12.95	4.92	14.71	191.03	14.71	100.00
220	13.34	3.00	20.07	218.79	20.07	100.00
225	13.47	1.17	30.27	297.48	30.27	102.61
230	12.54	0.32	38.10	386.40	42.20	173.68
235	12.58	1.84	25.36	296.93	25.36	119.78
240	10.59	2.16	23.64	368.58	23.64	159.77
245	6.38	2.37	22.65	442.36	22.65	202.36
250	4.70	7.63	9.94	250.29	9.94	100.00
255	2.36	13.10	4.07	263.85	4.07	113.72
260	0.22	18.51	0.32	355.70	0.32	187.09
265	0.00	23.30	-2.18	340.15	-2.18	180.04
270	0.00	28.10	-4.22	325.27	-4.22	172.14
275	0.00	32.96	-5.95	312.98	-5.95	163.79
280	0.00	37.85	-7.45	302.00	-7.45	158.17
285	0.00	42.77	-8.78	293.18	-8.78	153.44
290	0.00	47.69	-9.96	285.52	-9.96	149.38
295	0.00	52.63	-10.00	285.28	-10.00	149.26
300	0.00	57.58	-10.00	285.28	-10.00	149.26
305	0.00	62.53	-10.00	285.28	-10.00	149.26
310	1.22	67.43	-10.00	213.65	-10.00	100.00
315	1.69	72.39	-10.00	202.77	-10.00	100.00
320	2.99	77.35	-10.00	171.80	-10.00	100.00
325	4.99	82.32	-10.00	134.97	-10.00	100.00
330	6.38	87.32	-10.00	121.08	-10.00	100.00
335	5.60	92.32	-10.00	129.08	-10.00	100.00
340	7.94	97.32	-10.00	104.46	-10.00	100.00
345	12.74	102.25	-10.00	100.00	-10.00	100.00
350	16.26	107.08	-10.00	100.00	-10.00	100.00
355	19.92	111.71	-10.00	100.00	-10.00	100.00

5. CERTIFICATION

I HEREBY CERTIFY THAT I AM THE TECHNICALLY QUALIFIED PERSON RESPONSIBLE FOR THE PREPARATION OF THE FREQUENCY COORDINATION DATA CONTAINED IN THIS APPLICATION, THAT I AM FAMILIAR WITH PARTS 101 AND 25 OF THE FCC RULES AND REGULATIONS, THAT I HAVE EITHER PREPARED OR REVIEWED THE FREQUENCY COORDINATION DATA SUBMITTED WITH THIS APPLICATION, AND THAT IT IS COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



Timothy O. Crutcher
Frequency Planner
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147

DATED: July 22, 2013