

Exhibit A

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
SITKA, AK
Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147
January 28, 2014

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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 companies 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

Alascom Inc

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 01/28/2014.

Company

Alascom Inc

Alaska Power & Telephone Company

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: 01/28/2014
 Job Number: 140128COMSTC01

Administrative Information

Licensee Code P3203
 Licensee Name GCI Communications Corporation

Site Information

SITKA, AK

Latitude (NAD 83) 57° 3' 1.7" N
 Longitude (NAD 83) 135° 18' 32.3" W
 Climate Zone B
 Rain Zone 3
 Ground Elevation (AMSL) 15.24 m / 50.0 ft

Link Information

Satellite Type Geostationary
 Mode TR - Transmit-Receive
 Modulation Digital
 Satellite Arc 100° W to 150° West Longitude
 Azimuth Range 139.8° to 197.3°
 Corresponding Elevation Angles 18.1° / 23.8°
 Antenna Centerline (AGL) 5.49 m / 18.0 ft

Antenna Information

Receive

Transmit

Manufacturer Andrew
 Model ESA91.46A
 Gain / Diameter 50.1 dBi / 9.1 m
 3-dB / 15-dB Beamwidth 0.55° / 1.20°

Andrew
 ESA91.46A
 53.9 dBi / 9.1 m
 0.40° / 0.80°

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

45K0G7W - 36M0G7W
~~45K0D7W - 36M0D7W~~
 -2.7 -13.52
 21.3 10.48

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

51.2 40.38
 75.2 64.38
 61.71 79.92

Interference Objectives: Long Term -150.0 dBW/MHz 20%
 Short Term -140.0 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
 45K0D7W - 36M0D7W / 3700.0 - 4200.0

45K0G7W - 36M0G7W / 5925.0 - 6425.0
 45K0D7W - 36M0D7W / 5925.0 - 6425.0

Max Great Circle Coordination Distance 431.8 km / 268.3 mi
 Precipitation Scatter Contour Radius 366.0 km / 227.4 mi

247.5 km / 153.7 mi
 100.0 km / 62.1 mi

COMSEARCH

Earth Station Data Sheet

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Coordination Values

SITKA, AK

Licensee Name GCI Communications Corporation
Latitude (NAD 83) 57° 3' 1.7" N
Longitude (NAD 83) 135° 18' 32.3" W
Ground Elevation (AMSL) 15.24 m / 50.0 ft
Antenna Centerline (AGL) 5.49 m / 18.0 ft
Antenna Mode Receive 4.0 GHz
Interference Objectives: Long Term -150.0 dBW/MHz 20%
Short Term -140.0 dBW/MHz 0.01%
Max Available RF Power

Transmit 6.1 GHz
-154.0 dBW/4 kHz 20%
-131.0 dBW/4 kHz 0.0025%
-2.7 (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	11.08	139.33	-10.00	100.00	-10.00	100.00
5	8.29	134.01	-10.00	100.00	-10.00	100.00
10	6.75	128.91	-10.00	102.99	-10.00	100.00
15	5.90	123.94	-10.00	105.60	-10.00	100.00
20	4.37	118.90	-10.00	118.10	-10.00	100.00
25	5.38	114.19	-10.00	110.35	-10.00	100.00
30	8.08	109.52	-10.00	100.00	-10.00	100.00
35	8.27	104.62	-10.00	100.00	-10.00	100.00
40	7.90	99.68	-10.00	100.38	-10.00	100.00
45	11.81	94.81	-10.00	100.00	-10.00	100.00
50	15.63	89.84	-10.00	100.00	-10.00	100.00
55	19.23	84.84	-10.00	100.00	-10.00	100.00
60	20.85	79.85	-10.00	100.00	-10.00	100.00
65	21.48	74.86	-10.00	100.00	-10.00	100.00
70	21.66	69.88	-10.00	100.00	-10.00	100.00
75	19.98	64.85	-10.00	100.00	-10.00	100.00
80	16.73	59.85	-10.00	100.00	-10.00	100.00
85	13.75	54.95	-10.00	100.00	-10.00	100.00
90	11.26	50.18	-10.00	100.00	-10.00	100.00
95	8.56	45.63	-9.48	100.45	-9.48	100.00
100	6.28	41.27	-8.39	108.90	-8.39	100.00
105	4.30	37.14	-7.25	125.61	-7.25	100.00
110	2.88	33.17	-6.02	158.46	-6.02	100.00
115	4.24	28.22	-4.26	137.08	-4.26	100.00
120	3.45	24.47	-2.72	158.86	-2.72	100.00
125	2.21	21.60	-1.36	207.79	-1.36	117.23
130	0.82	19.79	-0.41	305.33	-0.41	172.14
135	0.69	18.03	0.60	335.96	0.60	190.08
140	1.23	16.85	1.33	279.15	1.33	156.32
145	3.30	15.64	2.14	189.09	2.14	109.85
150	1.17	19.23	-0.10	271.73	-0.10	152.28
155	2.88	18.97	0.05	190.52	0.05	110.73
160	4.80	18.24	0.48	151.48	0.48	100.00
165	3.17	20.73	-0.91	175.72	-0.91	103.15
170	2.12	22.43	-1.77	208.81	-1.77	117.76
175	0.77	24.17	-2.58	293.66	-2.58	165.79
180	0.00	25.08	-2.98	425.02	-2.98	243.98
185	0.00	24.94	-2.92	425.79	-2.92	244.38

COMSEARCH

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

Coordination Values

SITKA, AK

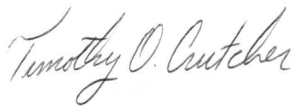
Licensee Name GCI Communications Corporation
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Max Available RF Power

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-154.0 dBW/4 kHz 20%
-131.0 dBW/4 kHz 0.0025%
-2.7 (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	0.00	24.53	-2.74	428.12	-2.74	245.58
195	0.00	23.90	-2.46	431.78	-2.46	247.46
200	0.00	23.93	-2.47	431.60	-2.47	247.37
205	0.00	24.92	-2.91	425.90	-2.91	244.43
210	0.00	26.77	-3.69	416.04	-3.69	239.32
215	0.00	29.31	-4.68	403.90	-4.68	232.96
220	0.00	32.39	-5.76	391.00	-5.76	226.12
225	0.00	35.85	-6.86	378.34	-6.86	219.29
230	0.00	39.61	-7.94	366.40	-7.94	212.76
235	0.00	43.58	-8.98	355.40	-8.98	206.65
240	0.00	47.70	-9.96	345.37	-9.96	200.98
245	0.00	51.95	-10.00	346.50	-10.00	200.77
250	0.00	56.28	-10.00	346.50	-10.00	200.77
255	0.00	60.69	-10.00	346.50	-10.00	200.77
260	0.00	65.14	-10.00	346.50	-10.00	200.77
265	0.00	69.64	-10.00	346.50	-10.00	200.77
270	0.00	74.17	-10.00	346.50	-10.00	200.77
275	0.00	78.72	-10.00	346.50	-10.00	200.77
280	0.00	83.28	-10.00	346.50	-10.00	200.77
285	0.00	87.85	-10.00	346.50	-10.00	200.77
290	0.00	92.43	-10.00	346.50	-10.00	200.77
295	0.00	97.00	-10.00	346.50	-10.00	200.77
300	0.38	101.60	-10.00	298.71	-10.00	171.31
305	0.83	106.21	-10.00	230.50	-10.00	130.51
310	2.07	110.97	-10.00	163.87	-10.00	100.00
315	4.55	115.99	-10.00	116.90	-10.00	100.00
320	7.71	121.23	-10.00	100.81	-10.00	100.00
325	10.37	126.45	-10.00	100.00	-10.00	100.00
330	11.68	131.49	-10.00	100.00	-10.00	100.00
335	11.73	136.28	-10.00	100.00	-10.00	100.00
340	11.48	140.96	-10.00	100.00	-10.00	100.00
345	11.60	145.67	-10.00	100.00	-10.00	100.00
350	11.47	149.19	-10.00	100.00	-10.00	100.00
355	11.17	144.25	-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: January 28, 2014