

FCC Form 312
GeoEye License Corp.
Exhibit 6

Exhibit 6

S-BAND COORDINATION REPORTS

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for
GeoEye License Corp.
DULLES, VA
E980375
Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147
January 10, 2012

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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.

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 11/18/2011.

Company

3G Wireless, LLC
ABC, INC.
ABC, Inc. - WPVI-TV
ACC License, LLC
AERIAL VIDEO SYSTEMS
ALASCOM, INC.
AT&T California
American Broadcasting Companies, Inc.
Ascent Media Network Services, LLC
BROADCAST COMMUNICATIONS INC
Bellsouth Telecommunications, Inc.
Borgeson, Tom R.
Broadcast Sports Inc.
C-SPAN
CBS Broadcasting Inc
CBS TELEVISION LICENSES LLC
CHESAPEAKE TELEVISION LICENSEE, LLC
CNG Communications, Inc.
CNN America, Inc.
COMMONWEALTH PUBLIC BROADCASTING
COMMUNITY TV OF VIRIGINIA LICENSE, LLC
Carolina Telephone and Telegraph Co
Casper, John
CenturyTel of the Southwest, Inc.
Chicago Comnet Corp
Cincinnati Bell Wireless LLC
Citywide News Network, Inc.
Cohen, Elana
Cowboys Stadium LP
DCI II, INC.
Delmarva Broadcast Service
Detroit Free Press, Inc.
Direct Broadcast Services, Inc.
ENTRAVISION HOLDINGS, LLC
FOX TELEVISION STATIONS, INC.
FOX TELEVISION STATIONS, INC.
GOODYEAR TIRE AND RUBBER COMPANY
GRAY TELEVISION LICENSEE, INC (WHSV)
GSN New, Inc
Gray Television Licensee, Inc.

HARRISBURG TELEVISION, INC.
HF Enterprises, Inc
Hallco Unlimited, Inc.
Hampton Roads Educational Telecommunicat
Hawaiian Telcom, Inc.
Heiden Mr., William
INDIANA BELL TELEPHONE COMPANY INC
Illinois Bell Telephone Company
Information & Display Systems, Inc.
Information Super Station, LLC
International Communications Group, Inc.
JLA MEDIA AND PUBLICATIONS, LLC
Kentucky RSA #3 Cellular General Partner
Kentucky RSA #4 Cellular General Partner
LOCAL TV VIRGINIA LICENSE, LLC
Lehigh Valley Public Telecommunications
Local TV Pennsylvania License, LLC
MARANATHA BROADCASTING COMPANY
MEDIA GENERAL COMMUNICATIONS HOLDINGS, L
MERCURY COMMUNICATIONS
MILLARD S. YOUNTS, RECEIVER
MISSION BROADCASTING, INC.
Maryland Public Broadcasting Commission
Metro Networks Communications, Inc.
Michigan Bell Telephone Company
Moreen, Steven K
NATIONAL CABLE SATELLITE CORPORATION
NBC TELEMUNDO LICENSE LLC
NBC Telemundo License Co.
NEW ENGLAND DIGITAL DISTRIBUTION, INC.
NEW ENGLAND SATELLITE SYSTEMS INC
NEXSTAR BROADCASTING, INC.
NORTHEASTERN PENNSYLVANIA ED TV ASSN
NSM Surveillance
Navajo Communications Company
Newport Television LLC
NorthWest Suburbs Community Access Corp
Ohio Bell Telephone Company
On Scene Video Production
Onboard Images
Penn Service Microwave Co., Inc.
Pennsylvania Educational Comm Systems
Plateau Telecommunications, Inc.
Plum TV, LLC
Production & Satellite Services, Inc.
Public Television Communications Center
QUICK LINK CONNECTIONS INC
QWEST CORPORATION
RCC Minnesota Inc. - MN NE ND SD
RCN Telecom Services, LLC
REMOTE FACILITIES CONSULTING SERVICES
RF Central, LLC
RF Film, Inc
Radiofone, Inc.
Randy Hermes Production
Regulus Media Services, Inc.

Remote Broadcasts, Inc.
SERVICE ELECTRIC CABLE TV INC
Scripps Media, Inc.
Southwestern Bell Telephone L.P.
Speedshotz, Inc
TRIBUNE TELEVISION COMPANY
TRIPLE J COMMUNITY BROADCASTING, LLC
Total RF Marketing Inc
Tribune Television Company
Unisat, Inc.
United Telephone - Southeast
VERIZON SOUTH INC.
VIRGINIA BROADCASTING CORPORATION
Verizon California Inc.
Verizon Maryland, Inc.
Verizon New England Inc.
Verizon New Jersey, Inc.
Verizon New York, Inc.
Verizon North Inc.
Verizon Northwest Inc.
Verizon Pennsylvania, Inc.
Verizon Virginia, Inc.
Verizon Washington DC, Inc.
Village Video Productions Inc
Vyvx, LLC
WAVY BROADCASTING, LLC
WBAL HEARST-ARGYLE TV, INC. (CA CORP.)
WBOC, INC.
WDBJ Television, Inc
WEST VIRGINIA MEDIA HOLDINGS, LLC
WGAL Hearst- Argyle Television, Inc
WHYY, INC.
WITF Inc.
WPGH LICENSEE, LLC
WPXI-TV HOLDINGS, INC
WRLH Licensee, LLC
WTAE Hearst Television Inc.
WTOV, INC.
WTVZ Licensee, LLC
WVEC-TV, INC.
WWBT, Inc.
Westar Satellite Services LP
Western Technical Services
Wexler Video, Inc.
Winged Vision
Wisconsin Bell, Inc.
Wolfe Air Aviation
Young Broadcasting-WRIC-TV (PTP) DIP
*SBE

*The SBE Area Coordinator confirmed that there were no outstanding objections with the proposed modifications to the existing earth station.

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: 01/05/2012
Job Number: 111118COMSGE02

Administrative Information

Status ENGINEER PROPOSAL
Call Sign E980375
Licensee Code ORBIMA
Licensee Name GeoEye License Corp.

Site Information DULLES, VA

Venue Name
Latitude (NAD 83) 39° 0' 56.4" N
Longitude (NAD 83) 77° 25' 41.0" W
Climate Zone A
Rain Zone 2
Ground Elevation (AMSL) 79.4 m / 260.5 ft

Link Information

Satellite Type Low Earth Orbit
Mode TR - Transmit-Receive
Modulation Digital
Minimum Elevation Angle 5.0°
Azimuth Range 0.0° to 360°
Antenna Centerline (AGL) 3.66 m / 12.0 ft

Antenna Information

Receive - FCC32

Manufacturer Scientific Atlanta
Model 5.4 Meter
Gain / Diameter 29.0 dBi / 5.4 m
3-dB / 15-dB Beamwidth 1.00° / 2.00°

Transmit - FCC32

Scientific Atlanta
5.4 Meter
38.0 dBi / 5.4 m
0.80° / 1.40°

Max Available RF Power (dBW/4 kHz) 2.0
(dBW/MHz) 26.0

Maximum EIRP (dBW/4 kHz) 40.0
(dBW/MHz) 64.0

Interference Objectives: Long Term -156.0 dBW/MHz 20% -151.0 dBW/4 kHz 20%
Short Term -146.0 dBW/MHz 0.01% -128.0 dBW/4 kHz 0.0025%

Frequency Information

Receive 8.0 GHz

Emission / Frequency Range (MHz) 59KG7D - 370MG1D / 8190.0 - 8394.0

Transmit 2.0 GHz

120KG1D - 128KG1D / 2052.0 - 2092.6 (center frequencies)

Max Great Circle Coordination Distance 292.0 km / 181.4 mi
Precipitation Scatter Contour Radius 100.0 km / 62.1 mi
111.3 km / 69.1 mi

COMSEARCH

Earth Station Data Sheet

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

Coordination Values

DULLES, VA

Licensee Name GeoEye License Corp.
Latitude (NAD 83) 39° 0' 56.4" N
Longitude (NAD 83) 77° 25' 41.0" W
Ground Elevation (AMSL) 79.4 m / 260.5 ft
Antenna Centerline (AGL) 3.66 m / 12.0 ft
Antenna Model Scientific Atlanta – 5.4 meter
Antenna Mode Receive 8.0 GHz Transmit 2.0 GHz
Interference Objectives: Long Term -156.0 dBW/MHz 20% -151.0 dBW/4 kHz 20%
Short Term -146.0 dBW/MHz 0.01% -128.0 dBW/4 kHz 0.0025%
Max Available RF Power 2.0 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 8.0 GHz		Transmit 2.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	97.99	5.20	292.00	5.20	292.00
5	0.00	92.99	5.20	292.00	5.20	292.00
10	0.00	87.99	5.20	292.00	5.20	292.00
15	0.00	83.00	5.20	292.00	5.20	292.00
20	0.00	78.00	5.20	292.00	5.20	292.00
25	0.00	73.00	5.20	292.00	5.20	292.00
30	0.00	68.00	5.20	292.00	5.20	292.00
35	0.00	63.00	5.20	292.00	5.20	292.00
40	0.00	58.00	5.20	292.00	5.20	292.00
45	0.00	53.00	5.20	292.00	5.20	292.00
50	0.00	48.00	5.20	292.00	5.20	292.00
55	0.00	43.00	5.20	292.00	5.20	292.00
60	0.00	38.01	5.20	292.00	5.20	292.00
65	0.00	33.01	5.20	292.00	5.20	292.00
70	0.00	28.01	5.20	292.00	5.20	292.00
75	0.00	23.02	5.20	292.00	5.20	292.00
80	0.00	18.02	5.20	292.00	5.20	292.00
85	0.00	13.03	5.20	292.00	5.20	292.00
90	0.00	8.06	5.20	292.00	5.20	292.00
95	0.00	3.17	5.20	292.00	5.20	292.00
100	0.00	2.26	5.20	292.00	5.20	292.00
105	0.00	7.08	5.20	292.00	5.20	292.00
110	0.00	12.05	5.20	292.00	5.20	292.00
115	0.00	17.04	5.20	292.00	5.20	292.00
120	0.00	22.03	5.20	292.00	5.20	292.00
125	0.00	27.02	5.20	292.00	5.20	292.00
130	0.00	32.02	5.20	292.00	5.20	292.00
135	0.00	37.02	5.20	292.00	5.20	292.00
140	0.00	42.02	5.20	292.00	5.20	292.00
145	0.00	47.01	5.20	292.00	5.20	292.00
150	0.00	52.01	5.20	292.00	5.20	292.00
155	0.00	57.01	5.20	292.00	5.20	292.00
160	0.00	62.01	5.20	292.00	5.20	292.00
165	0.00	67.01	5.20	292.00	5.20	292.00
170	0.00	72.01	5.20	292.00	5.20	292.00
175	0.00	77.01	5.20	292.00	5.20	292.00
180	0.00	82.01	5.20	292.00	5.20	292.00
185	0.00	87.01	5.20	292.00	5.20	292.00

COMSEARCH

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

Coordination Values

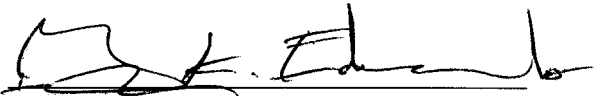
DULLES, VA

Licensee Name: GeoEye License Corp.
Latitude (NAD 83): 39° 0' 56.4" N
Longitude (NAD 83): 77° 25' 41.0" W
Ground Elevation (AMSL): 79.4 m / 260.5 ft
Antenna Centerline (AGL): 3.66 m / 12.0 ft
Antenna Model: Scientific Atlanta – 5.4 meter
Antenna Mode: Receive 8.0 GHz
Interference Objectives: Long Term: -156.0 dBW/MHz 20%
Short Term: -146.0 dBW/MHz 0.01%
Transmit 2.0 GHz: -151.0 dBW/4 kHz 20%
-128.0 dBW/4 kHz 0.0025%
Max Available RF Power: 2.0 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 8.0 GHz		Transmit 2.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	92.01	5.20	292.00	5.20	292.00
195	0.00	97.00	5.20	292.00	5.20	292.00
200	0.00	102.00	5.20	292.00	5.20	292.00
205	0.00	107.00	5.20	292.00	5.20	292.00
210	0.00	112.00	5.20	292.00	5.20	292.00
215	0.00	117.00	5.20	292.00	5.20	292.00
220	0.00	122.00	5.20	292.00	5.20	292.00
225	0.00	127.00	5.20	292.00	5.20	292.00
230	0.00	132.00	5.20	292.00	5.20	292.00
235	0.00	137.00	5.20	292.00	5.20	292.00
240	0.00	141.99	5.20	292.00	5.20	292.00
245	0.00	146.99	5.20	292.00	5.20	292.00
250	0.00	151.99	5.20	292.00	5.20	292.00
255	0.00	156.98	5.20	292.00	5.20	292.00
260	0.00	161.98	5.20	292.00	5.20	292.00
265	0.00	166.97	5.20	292.00	5.20	292.00
270	0.00	171.94	5.20	292.00	5.20	292.00
275	0.00	176.83	5.20	292.00	5.20	292.00
280	0.00	177.74	5.20	292.00	5.20	292.00
285	0.00	172.92	5.20	292.00	5.20	292.00
290	0.00	167.95	5.20	292.00	5.20	292.00
295	0.00	162.96	5.20	292.00	5.20	292.00
300	0.00	157.97	5.20	292.00	5.20	292.00
305	0.00	152.98	5.20	292.00	5.20	292.00
310	0.00	147.98	5.20	292.00	5.20	292.00
315	0.00	142.98	5.20	292.00	5.20	292.00
320	0.00	137.98	5.20	292.00	5.20	292.00
325	0.00	132.99	5.20	292.00	5.20	292.00
330	0.00	127.99	5.20	292.00	5.20	292.00
335	0.00	122.99	5.20	292.00	5.20	292.00
340	0.00	117.99	5.20	292.00	5.20	292.00
345	0.00	112.99	5.20	292.00	5.20	292.00
350	0.00	107.99	5.20	292.00	5.20	292.00
355	0.00	102.99	5.20	292.00	5.20	292.00

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.

BY: 

Gary K. Edwards
Senior Manager
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147

DATED: January 10, 2012

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for
GeoEye License Corp.
BARROW, AK
E980376
Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147
January 10, 2012

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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.

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Broadcast Sports Inc.
CNG Communications, Inc.
Carolina Telephone and Telegraph Co
Casper, John
CenturyTel of the Southwest, Inc.
Chicago Comnet Corp
Cincinnati Bell Wireless LLC
Citywide News Network, Inc.
Cohen, Elana
Cowboys Stadium LP
DCI II, INC.
Direct Broadcast Services, Inc.
GOODYEAR TIRE AND RUBBER COMPANY
GSN New, Inc
HF Enterprises, Inc
Hallco Unlimited, Inc.
Hawaiian Telcom, Inc.
Heiden Mr., William
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Illinois Bell Telephone Company
Information & Display Systems, Inc.
Information Super Station, LLC
International Communications Group, Inc.
Kentucky RSA #3 Cellular General Partner
Kentucky RSA #4 Cellular General Partner
MERCURY COMMUNICATIONS
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NEW ENGLAND SATELLITE SYSTEMS INC
NSM Surveillance

Navajo Communications Company
NorthWest Suburbs Community Access Corp
Ohio Bell Telephone Company
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Onboard Images
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Plateau Telecommunications, Inc.
Plum TV, LLC
Production & Satellite Services, Inc.
Public Television Communications Center
QUICK LINK CONNECTIONS INC
QWEST CORPORATION
RCC Minnesota Inc. - MN NE ND SD
REMOTE FACILITIES CONSULTING SERVICES
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RF Film, Inc
Radiofone, Inc.
Randy Hermes Production
Regulus Media Services, Inc.
Remote Broadcasts, Inc.
Southwestern Bell Telephone L.P.
Speedshotz, Inc
Total RF Marketing Inc
Unisat, Inc.
United Telephone - Southeast
VERIZON SOUTH INC.
Verizon California Inc.
Verizon Maryland, Inc.
Verizon New England Inc.
Verizon New Jersey, Inc.
Verizon New York, Inc.
Verizon North Inc.
Verizon Northwest Inc.
Verizon Pennsylvania, Inc.
Verizon Virginia, Inc.
Verizon Washington DC, Inc.
Village Video Productions Inc
Vyvx, LLC
Westar Satellite Services LP
Western Technical Services
Wexler Video, Inc.
Winged Vision
Wisconsin Bell, Inc.
Wolfe Air Aviation

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: 01/05/2012
Job Number: 111118COMSGE01

Administrative Information

Status ENGINEER PROPOSAL
Call Sign E980376
Licensee Code ORBIMA
Licensee Name GeoEye License Corp.

Site Information

BARROW, AK
Venue Name
Latitude (NAD 83) 71° 16' 14.5" N
Longitude (NAD 83) 156° 46' 11.5" W
Climate Zone A
Rain Zone 2
Ground Elevation (AMSL) 14.5 m / 47.6 ft

Link Information

Satellite Type Low Earth Orbit
Mode TR - Transmit-Receive
Modulation Digital
Minimum Elevation Angle 3.0°
Azimuth Range 0.0° to 360°
Antenna Centerline (AGL) 3.66 m / 12.0 ft

Antenna Information

		Receive - FCC32		Transmit - FCC32	
Manufacturer		Scientific Atlanta		Scientific Atlanta	
Model		5.4 Meter		5.4 Meter	
Gain / Diameter		29.0 dBi / 5.4 m		38.0 dBi / 5.4 m	
3-dB / 15-dB Beamwidth		1.00° / 2.00°		0.80° / 1.40°	
Max Available RF Power	(dBW/4 kHz) (dBW/MHz)			2.0 26.0	
Maximum EIRP	(dBW/4 kHz) (dBW/MHz)			40.0 64.0	
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 8.0 GHz	Transmit 2.0 GHz
Emission / Frequency Range (MHz)	120KG1D – 128KG1D / 8025.0 - 8395.0	120KG1D – 128KG1D / 2052.0 and 2092.6 (center frequencies)
Max Great Circle Coordination Distance	292.0 km / 181.4 mi	292.0 km / 181.4 mi
Precipitation Scatter Contour Radius	100.0 km / 62.1 mi	175.2 km / 108.8 mi

COMSEARCH

Earth Station Data Sheet

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

Coordination Values

BARROW, AK

Licensee Name GeoEye License Corp.
Latitude (NAD 83) 71° 16' 14.5" N
Longitude (NAD 83) 156° 46' 11.5" W
Ground Elevation (AMSL) 14.5 m / 47.6 ft
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Short Term -146.0 dBW/MHz 0.01% -131.0 dBW/4 kHz 0.0025%
Max Available RF Power 2.0 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 8.0 GHz		Transmit 2.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	34.39	5.20	292.00	5.20	292.00
5	0.00	31.28	5.20	292.00	5.20	292.00
10	0.00	28.64	5.20	292.00	5.20	292.00
15	0.00	26.63	5.20	292.00	5.20	292.00
20	0.00	25.40	5.20	292.00	5.20	292.00
25	0.00	25.05	5.20	292.00	5.20	292.00
30	0.00	25.62	5.20	292.00	5.20	292.00
35	0.00	27.06	5.20	292.00	5.20	292.00
40	0.00	29.24	5.20	292.00	5.20	292.00
45	0.00	32.01	5.20	292.00	5.20	292.00
50	0.00	35.22	5.20	292.00	5.20	292.00
55	0.00	38.77	5.20	292.00	5.20	292.00
60	0.00	42.56	5.20	292.00	5.20	292.00
65	0.00	46.55	5.20	292.00	5.20	292.00
70	0.00	50.67	5.20	292.00	5.20	292.00
75	0.00	54.91	5.20	292.00	5.20	292.00
80	0.00	59.23	5.20	292.00	5.20	292.00
85	0.00	63.61	5.20	292.00	5.20	292.00
90	0.00	68.03	5.20	292.00	5.20	292.00
95	0.00	72.50	5.20	292.00	5.20	292.00
100	0.00	76.99	5.20	292.00	5.20	292.00
105	0.00	81.50	5.20	292.00	5.20	292.00
110	0.00	86.03	5.20	292.00	5.20	292.00
115	0.00	90.56	5.20	292.00	5.20	292.00
120	0.00	95.09	5.20	292.00	5.20	292.00
125	0.00	99.61	5.20	292.00	5.20	292.00
130	0.00	104.12	5.20	292.00	5.20	292.00
135	0.00	108.60	5.20	292.00	5.20	292.00
140	0.00	113.06	5.20	292.00	5.20	292.00
145	0.00	117.48	5.20	292.00	5.20	292.00
150	0.00	121.84	5.20	292.00	5.20	292.00
155	0.00	126.14	5.20	292.00	5.20	292.00
160	0.00	130.35	5.20	292.00	5.20	292.00
165	0.00	134.45	5.20	292.00	5.20	292.00
170	0.00	138.39	5.20	292.00	5.20	292.00
175	0.00	142.13	5.20	292.00	5.20	292.00
180	0.00	145.61	5.20	292.00	5.20	292.00
185	0.00	148.72	5.20	292.00	5.20	292.00

COMSEARCH

Earth Station Data Sheet

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

Coordination Values

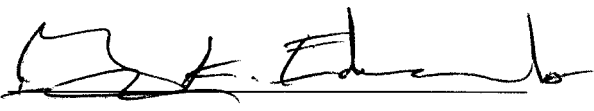
BARROW, AK

Licensee Name GeoEye License Corp.
Latitude (NAD 83) 71° 16' 14.5" N
Longitude (NAD 83) 156° 46' 11.5" W
Ground Elevation (AMSL) 14.5 m / 47.6 ft
Antenna Centerline (AGL) 3.66 m / 12.0 ft
Antenna Model Scientific Atlanta – 5.4 Meter
Antenna Mode Receive 8.0 GHz Transmit 2.0 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 2.0 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 8.0 GHz		Transmit 2.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	151.36	5.20	292.00	5.20	292.00
195	0.00	153.37	5.20	292.00	5.20	292.00
200	0.00	154.60	5.20	292.00	5.20	292.00
205	0.00	154.95	5.20	292.00	5.20	292.00
210	0.00	154.38	5.20	292.00	5.20	292.00
215	0.00	152.94	5.20	292.00	5.20	292.00
220	0.00	150.76	5.20	292.00	5.20	292.00
225	0.00	147.99	5.20	292.00	5.20	292.00
230	0.00	144.78	5.20	292.00	5.20	292.00
235	0.00	141.23	5.20	292.00	5.20	292.00
240	0.00	137.44	5.20	292.00	5.20	292.00
245	0.00	133.45	5.20	292.00	5.20	292.00
250	0.00	129.33	5.20	292.00	5.20	292.00
255	0.00	125.09	5.20	292.00	5.20	292.00
260	0.00	120.77	5.20	292.00	5.20	292.00
265	0.00	116.39	5.20	292.00	5.20	292.00
270	0.00	111.97	5.20	292.00	5.20	292.00
275	0.00	107.50	5.20	292.00	5.20	292.00
280	0.00	103.01	5.20	292.00	5.20	292.00
285	0.00	98.50	5.20	292.00	5.20	292.00
290	0.00	93.97	5.20	292.00	5.20	292.00
295	0.00	89.44	5.20	292.00	5.20	292.00
300	0.00	84.91	5.20	292.00	5.20	292.00
305	0.00	80.39	5.20	292.00	5.20	292.00
310	0.00	75.88	5.20	292.00	5.20	292.00
315	0.00	71.40	5.20	292.00	5.20	292.00
320	0.00	66.94	5.20	292.00	5.20	292.00
325	0.00	62.52	5.20	292.00	5.20	292.00
330	0.00	58.16	5.20	292.00	5.20	292.00
335	0.00	53.86	5.20	292.00	5.20	292.00
340	0.00	49.65	5.20	292.00	5.20	292.00
345	0.00	45.55	5.20	292.00	5.20	292.00
350	0.00	41.61	5.20	292.00	5.20	292.00
355	0.00	37.87	5.20	292.00	5.20	292.00

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.

BY: 

Gary K. Edwards
Senior Manager
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147

DATED: January 10, 2012