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November 6, 2008

Ms. Marlene Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

**RE: SES-LIC-20080306-00242 (Call Sign E080059)
SES-MFS-20080228-00207 (Call Sign KA25)
Revision to Coordination Reports**

Dear Ms. Dortch:

Please find attached two revised Coordination Reports for the applications referenced above.

Please do not hesitate to contact the undersigned at 202-248-5155 with any clarifications or questions about this letter.

Respectfully submitted,

/s/

Diane Cornell
Director, Inmarsat Hawaii Inc.

cc: Scott Kotler, International Bureau
Shahnaz Ghavami, International Bureau

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for
Inmarsat PLC
PAUMALU, HI
Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147
November 6, 2008

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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 and operational fixed microwave environment. To avoid conflict at a University of Hawaii 6 GHz receiver at Mt Kaala, the transmit band and transmit power of the earth station will be limited around this receive site to avoid interference. Further, there will be no other restrictions of its operation due to interference considerations.

The Coordination for the proposed 16.4 meter earth stations were completed at a central set of coordinates, Latitude: 21-40-10.7, Longitude: 158-01-59.4, in order to cover both antennas. The individual coordinates of each 16.4 earth station antenna fall within the one second by one second coordinate block created by the central set of coordinates. The individual earth station coordinates are as follows:

16m HAW1 (South Antenna)
Latitude 21 40 10.4 N
Longitude 158 01 59.4W

16m HAW2 (North Antenna)
Latitude 21 40 11.3 N
Longitude 158 01 59.6W

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 with the exception of the case with the University of Hawaii 6 GHz receiver at Mt Kaala. The transmit band and transmit power of the earth station will be limited around this receive site to avoid conflict.

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 01/24/2008 and 11/06/2008.

Company

AERONAUTICAL RADIO INC - ARINC
AT&T CORP
Casper
Citywide News Network
Global Microwave System
HARMER RADIO & ELECTRONICS, INC.
Hawaii State
HAWAIIAN ELECTRIC CO INC
Hawaiian Telcom
Heiden
HONOLULU CITY & COUNTY
HONOLULU CITY & COUNTY DEPT OF INFO TECH
KAUAI COUNTY DEPARTMENT OF POLICE
MAUI ELECTRIC COMPANY LTD
MAUI, COUNTY OF
MID PACIFIC COMMUNICATIONS INC
New Cingular Wireless PCS LLC - Hawaii
Nextel WIP License Corp.
Pacific Lightnet, Inc.
SANDWICH ISLES COMMUNICATIONS INC.
University of Hawaii
Verizon Hawaii
3G Wireless, LLC
AERIAL VIDEO SYSTEMS
Broadcast Sports Enterprises Inc
GOODYEAR TIRE AND RUBBER COMPANY
On Scene Video Production
Onboard Images
Production & Satellite Services, Inc
REMOTE FACILITIES CONSULTING SERVICES
RF Film, Inc
RF Technology Inc.
Total RF Marketing Inc
Universal Satellite Communications Inc
WOLFE AIR AVIATION
Western Technical Services

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: 11/06/2008
Job Number: 080124COMSGE01

Administrative Information

Status: ENGINEER PROPOSAL
Call Sign: PAUMALU
Licensee Code: IMMSAT
Licensee Name: Inmarsat PLC

Site Information PAUMALU, HI

Venue Name: PAUMALU, HI
Latitude (NAD 83): 21° 40' 10.7" N
Longitude (NAD 83): 158° 1' 59.4" W
Climate Zone: C
Rain Zone: 4
Ground Elevation (AMSL): 144.78 m / 475.0 ft

Link Information

Satellite Type: GEO with TT&C operation
Mode: TR - Transmit-Receive
Modulation: Digital
Minimum Elevation Angle: 5.0°
Azimuth Range: 0.0° to 360°
Antenna Centerline (AGL): 10.06 m / 33.0 ft

Antenna Information

Receive - FCC32
Manufacturer: Vertex
Model: 16.4 THC
Gain / Diameter: 54.8 dBi / 16.4 m
3-dB / 15-dB Beamwidth: 0.32° / 0.68°

Transmit - FCC32

Vertex
16.4 THC
59.0 dBi / 16.4 m
0.19° / 0.40°

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

(1) 6.8 (2) 4.1
30.8 28.1

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

65.8 63.1
89.8 87.1

Interference Objectives: Long Term -164.0 dBW/MHz 20%
Short Term -151.1 dBW/MHz 0.01%

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

Frequency Information

Receive 4.0 GHz
Emission / Frequency Range (MHz): K750G7D - 20M0X2D / 3550.0 - 3700.0
K750G7D - 20M0X2D / 3945.0 - 3955.0

Transmit 6.1 GHz

(1) K750G7D - 20M0X2D / 6170.0 - 6180.0
(1) K750G7D - 20M0X2D / 6338.0 - 6342.0
(1) K750G7D - 20M0X2D / 6420.0 - 6530.0
(2) K750G7D - 20M0X2D / 6530.0 - 6560.0
(1) K750G7D - 20M0X2D / 6560.0 - 6575.0

Max Great Circle Coordination Distance: 941.3 km / 584.8 mi
Precipitation Scatter Contour Radius: 351.7 km / 218.5 mi

736.8 km / 457.8 mi
237.6 km / 147.6 mi

COMSEARCH

Earth Station Data Sheet

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

Coordination Values

PAUMALU, HI

Licensee Name	Inmarsat PLC			Transmit 6.1 GHz	
Latitude (NAD 83)	21° 40' 10.7" N			-154.0 dBW/4 kHz	20%
Longitude (NAD 83)	158° 1' 59.4" W			-131.0 dBW/4 kHz	0.0025%
Ground Elevation (AMSL)	144.78 m / 475.0 ft				
Antenna Centerline (AGL)	10.06 m / 33.0 ft				
Antenna Model	Vertex 16.4 Meter				
Antenna Mode	Receive 4.0 GHz				
Interference Objectives:	Long Term	-164.0 dBW/MHz	20%		
	Short Term	-151.1 dBW/MHz	0.01%		
Max Available RF Power				6.8 (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	0.00	72.41	4.50	941.30	4.50	736.80
5	0.00	70.74	4.50	941.30	4.50	736.80
10	0.00	69.21	4.50	941.30	4.50	736.80
15	0.00	67.83	4.50	941.30	4.50	736.80
20	0.00	66.61	4.50	941.30	4.50	736.80
25	0.00	65.58	4.50	941.30	4.50	736.80
30	0.00	64.73	4.50	941.30	4.50	736.80
35	0.00	64.09	4.50	941.30	4.50	736.80
40	0.00	63.66	4.50	941.30	4.50	736.80
45	0.00	63.44	4.50	941.30	4.50	736.80
50	0.30	63.74	4.50	941.30	4.50	736.80
55	0.00	63.65	4.50	941.30	4.50	736.80
60	0.41	64.48	4.50	941.30	4.50	736.80
65	0.79	65.47	4.50	941.30	4.50	736.80
70	1.00	66.48	4.50	941.30	4.50	736.80
75	1.07	67.52	4.50	941.30	4.50	736.80
80	1.79	69.27	4.50	941.30	4.50	736.80
85	1.60	70.41	4.50	743.10	4.50	513.90
90	2.15	72.23	4.50	692.50	4.50	460.30
95	2.44	73.94	4.50	665.80	4.50	432.20
100	3.00	75.89	4.50	611.90	4.50	375.50
105	2.74	77.44	4.50	578.90	4.50	340.50
110	2.74	79.23	4.50	551.80	4.50	311.80
115	3.54	81.37	4.50	562.70	4.50	323.30
120	3.34	83.17	4.50	514.00	4.50	271.40
125	3.27	85.07	4.50	523.20	4.50	281.30
130	3.30	87.03	4.50	507.40	4.50	264.30
135	3.35	89.00	4.50	515.80	4.50	273.30
140	2.47	91.01	4.50	544.90	4.50	304.40
145	2.41	93.05	4.50	588.80	4.50	350.90
150	2.25	95.10	4.50	593.00	4.50	355.40
155	2.26	97.10	4.50	600.00	4.50	362.80
160	2.11	99.11	4.50	606.30	4.50	369.50
165	2.57	100.82	4.50	534.80	4.50	293.60
170	2.49	102.66	4.50	561.20	4.50	321.80
175	2.27	104.51	4.50	575.70	4.50	337.10
180	1.93	106.36	4.50	571.80	4.50	333.00
185	2.38	107.59	4.50	587.90	4.50	350.00

COMSEARCH

Earth Station Data Sheet

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

Coordination Values		PAUMALU, HI			
Licensee Name		Inmarsat PLC			
Latitude (NAD 83)		21° 40' 10.7" N			
Longitude (NAD 83)		158° 1' 59.4" W			
Ground Elevation (AMSL)		144.78 m / 475.0 ft			
Antenna Centerline (AGL)		10.06 m / 33.0 ft			
Antenna Model		Vertex 16.4 Meter			
Antenna Mode		Receive 4.0 GHz		Transmit 6.1 GHz	
Interference Objectives:	Long Term	-164.0 dBW/MHz	20%	-154.0 dBW/4 kHz	20%
	Short Term	-151.1 dBW/MHz	0.01%	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power		6.8 (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)
190	2.17	109.14	4.50	608.20	4.50	371.50
195	2.06	110.49	4.50	620.70	4.50	384.70
200	1.72	111.89	4.50	644.00	4.50	409.30
205	1.48	113.07	4.50	676.50	4.50	443.50
210	1.43	113.92	4.50	706.90	4.50	475.60
215	0.79	115.14	4.50	764.20	4.50	536.30
220	0.31	116.04	4.50	941.30	4.50	736.80
225	0.29	116.27	4.50	941.30	4.50	736.80
230	0.00	116.56	4.50	941.30	4.50	736.80
235	0.00	116.35	4.50	941.30	4.50	736.80
240	0.00	115.92	4.50	941.30	4.50	736.80
245	0.00	115.28	4.50	941.30	4.50	736.80
250	0.00	114.43	4.50	941.30	4.50	736.80
255	0.00	113.40	4.50	941.30	4.50	736.80
260	0.00	112.19	4.50	941.30	4.50	736.80
265	0.00	110.81	4.50	941.30	4.50	736.80
270	0.00	109.28	4.50	941.30	4.50	736.80
275	0.00	107.61	4.50	941.30	4.50	736.80
280	0.00	105.82	4.50	941.30	4.50	736.80
285	0.00	103.93	4.50	941.30	4.50	736.80
290	0.00	101.94	4.50	941.30	4.50	736.80
295	0.00	99.88	4.50	941.30	4.50	736.80
300	0.00	97.75	4.50	941.30	4.50	736.80
305	0.00	95.57	4.50	941.30	4.50	736.80
310	0.00	93.36	4.50	941.30	4.50	736.80
315	0.00	91.13	4.50	941.30	4.50	736.80
320	0.00	88.90	4.50	941.30	4.50	736.80
325	0.00	86.66	4.50	941.30	4.50	736.80
330	0.00	84.45	4.50	941.30	4.50	736.80
335	0.00	82.28	4.50	941.30	4.50	736.80
340	0.00	80.15	4.50	941.30	4.50	736.80
345	0.00	78.08	4.50	941.30	4.50	736.80
350	0.00	76.10	4.50	941.30	4.50	736.80
355	0.00	74.20	4.50	941.30	4.50	736.80

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
Manager
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147

DATED: November 6, 2008

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for
Intelsat North America LLC
PAUMALU, HI
(19 Meter)
Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147
November 6, 2008

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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, based upon the restrictions noted in the Summary of Results (Section 2).

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 and frequency offset are considered on the interfering paths, sufficient losses exist to negate harmful interference from occurring with the proposed transmit and receive earth station. Further the frequency spectrums will be limited to frequencies 3600.0 - 3700.0 MHz, 3945.0 to 3955.0 MHz, and 6425.0 to 6575.0 MHz.

Company

None

No 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 08/18/2008 and 11/06/2008

Company

AERONAUTICAL RADIO INC - ARINC
AT&T CORP
Casper
Citywide News Network
Global Microwave System
HARMER RADIO & ELECTRONICS, INC.
Hawaii State
HAWAIIAN ELECTRIC CO INC
Hawaiian Telcom
Heiden
HONOLULU CITY & COUNTY
HONOLULU CITY & COUNTY DEPT OF INFO TECH
KAUAI COUNTY DEPARTMENT OF POLICE
MAUI ELECTRIC COMPANY LTD
MAUI, COUNTY OF
MID PACIFIC COMMUNICATIONS INC
New Cingular Wireless PCS LLC - Hawaii
Nextel WIP License Corp.
Pacific Lightnet, Inc.
SANDWICH ISLES COMMUNICATIONS INC.
University of Hawaii
Verizon Hawaii
3G Wireless, LLC
AERIAL VIDEO SYSTEMS
Broadcast Sports Enterprises Inc
GOODYEAR TIRE AND RUBBER COMPANY
On Scene Video Production
Onboard Images
Production & Satellite Services, Inc
REMOTE FACILITIES CONSULTING SERVICES
RF Film, Inc
RF Technology Inc.
Total RF Marketing Inc
Universal Satellite Communications Inc
WOLFE AIR AVIATION
Western Technical Services

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: 08/22/2008
 Job Number: 080818COMSGE01

Administrative Information

Status ENGINEER PROPOSAL
 Call Sign KA25
 Licensee Code INTNOA
 Licensee Name Intelsat North America LLC

Site Information

PAUMALU, HI

Venue Name
 Latitude (NAD 83) 21° 40' 14.6" N
 Longitude (NAD 83) 158° 2' 3.1" W
 Climate Zone C
 Rain Zone 4
 Ground Elevation (AMSL) 144.78 m / 475.0 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) 10.06 m / 33.0 ft

Antenna Information

Receive - FCC32

Transmit - FCC32

Manufacturer	TIW	TIW
Model	19.0 Meter	19.0 Meter
Gain / Diameter	55.6 dBi / 19.0 m	59.2 dBi / 19.0 m
3-dB / 15-dB Beamwidth	0.20° / 0.40°	0.20° / 0.40°
Max Available RF Power (dBW/4 kHz)		10.8
(dBW/MHz)		34.8
Maximum EIRP (dBW/4 kHz)		70.0
(dBW/MHz)		94.0
Interference Objectives:	Long Term	-164.0 dBW/MHz 20%
	Short Term	-144.0 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)	750HG7D - 200KG7D / 3600.0 - 3700.0	750HG7D - 200KG7D / 6425.0 - 6575.0
	750HG7D - 200KG7D / 3945.0 - 3955.0	4M00X2D - 20M0X2D / 6425.0 - 6575.0
Max Great Circle Coordination Distance	941.3 km / 584.8 mi	736.8 km / 457.8 mi
Precipitation Scatter Contour Radius	349.1 km / 216.9 mi	324.1 km / 201.4 mi

COMSEARCH

Earth Station Data Sheet

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

Coordination Values

PAUMALU, HI

Licensee Name	Intelsat North America LLC		
Latitude (NAD 83)	21° 40' 14.6" N		
Longitude (NAD 83)	158° 2' 3.1" W		
Ground Elevation (AMSL)	144.78 m / 475.0 ft		
Antenna Centerline (AGL)	10.06 m / 33.0 ft		
Antenna Model	TIW 19.0 Meter		
Antenna Mode	Receive 4.0 GHz		Transmit 6.1 GHz
Interference Objectives: Long Term	-164.0 dBW/MHz	20%	-154.0 dBW/4 kHz
Short Term	-144.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz
Max Available RF Power			10.8 (dBW/4 kHz)
			20%
			0.0025%

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	0.00	72.41	4.50	941.30	4.50	736.80
5	0.00	70.74	4.50	941.30	4.50	736.80
10	0.00	69.21	4.50	941.30	4.50	736.80
15	0.00	67.83	4.50	941.30	4.50	736.80
20	0.00	66.61	4.50	941.30	4.50	736.80
25	0.00	65.58	4.50	941.30	4.50	736.80
30	0.00	64.73	4.50	941.30	4.50	736.80
35	0.00	64.09	4.50	941.30	4.50	736.80
40	0.00	63.66	4.50	941.30	4.50	736.80
45	0.00	63.44	4.50	941.30	4.50	736.80
50	0.00	63.44	4.50	941.30	4.50	736.80
55	0.30	63.95	4.50	941.30	4.50	736.80
60	0.00	64.08	4.50	941.30	4.50	736.80
65	0.41	65.11	4.50	941.30	4.50	736.80
70	0.76	66.26	4.50	941.30	4.50	736.80
75	0.91	67.39	4.50	941.30	4.50	736.80
80	1.17	68.77	4.50	941.30	4.50	736.80
85	1.53	70.36	4.50	743.10	4.50	513.90
90	1.63	71.86	4.50	692.50	4.50	460.30
95	1.91	73.61	4.50	665.80	4.50	432.20
100	2.72	75.73	4.50	611.90	4.50	375.50
105	3.01	77.58	4.50	578.90	4.50	340.50
110	2.73	79.23	4.50	551.80	4.50	311.80
115	3.30	81.29	4.50	562.70	4.50	323.30
120	3.18	83.13	4.50	514.00	4.50	271.40
125	3.09	85.04	4.50	523.20	4.50	281.30
130	3.32	87.03	4.50	507.40	4.50	264.30
135	3.25	89.00	4.50	515.80	4.50	273.30
140	2.64	91.00	4.50	544.90	4.50	304.40
145	2.17	93.08	4.50	588.80	4.50	350.90
150	2.21	95.11	4.50	593.00	4.50	355.40
155	2.26	97.11	4.50	600.00	4.50	362.80
160	2.26	99.06	4.50	606.30	4.50	369.50
165	2.47	100.87	4.50	534.80	4.50	293.60
170	2.27	102.77	4.50	561.20	4.50	321.80
175	2.00	104.67	4.50	575.70	4.50	337.10
180	2.20	106.19	4.50	571.80	4.50	333.00
185	2.01	107.85	4.50	587.90	4.50	350.00

COMSEARCH

Earth Station Data Sheet

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

Coordination Values

PAUMALU, HI

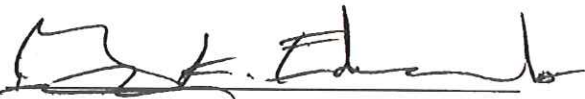
Licensee Name	Intelsat North America LLC		
Latitude (NAD 83)	21° 40' 14.6" N		
Longitude (NAD 83)	158° 2' 3.1" W		
Ground Elevation (AMSL)	144.78 m / 475.0 ft		
Antenna Centerline (AGL)	10.06 m / 33.0 ft		
Antenna Model	TIW 19.0 Meter		
Antenna Mode	Receive 4.0 GHz		Transmit 6.1 GHz
Interference Objectives:	Long Term	-164.0 dBW/MHz 20%	-154.0 dBW/4 kHz 20%
	Short Term	-144.0 dBW/MHz 0.01%	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power			10.8 (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)
190	1.81	109.41	4.50	608.20	4.50	371.50
195	1.60	110.87	4.50	620.70	4.50	384.70
200	1.38	112.19	4.50	644.00	4.50	409.30
205	0.95	113.56	4.50	676.50	4.50	443.50
210	0.71	114.60	4.50	706.90	4.50	475.60
215	0.36	115.56	4.50	764.20	4.50	536.30
220	0.30	116.05	4.50	941.30	4.50	736.80
225	0.00	116.56	4.50	941.30	4.50	736.80
230	0.21	116.35	4.50	941.30	4.50	736.80
235	0.00	116.35	4.50	941.30	4.50	736.80
240	0.00	115.92	4.50	941.30	4.50	736.80
245	0.00	115.28	4.50	941.30	4.50	736.80
250	0.00	114.43	4.50	941.30	4.50	736.80
255	0.00	113.40	4.50	941.30	4.50	736.80
260	0.00	112.19	4.50	941.30	4.50	736.80
265	0.00	110.81	4.50	941.30	4.50	736.80
270	0.00	109.28	4.50	941.30	4.50	736.80
275	0.00	107.61	4.50	941.30	4.50	736.80
280	0.00	105.82	4.50	941.30	4.50	736.80
285	0.00	103.93	4.50	941.30	4.50	736.80
290	0.00	101.94	4.50	941.30	4.50	736.80
295	0.00	99.88	4.50	941.30	4.50	736.80
300	0.00	97.75	4.50	941.30	4.50	736.80
305	0.00	95.57	4.50	941.30	4.50	736.80
310	0.00	93.36	4.50	941.30	4.50	736.80
315	0.00	91.13	4.50	941.30	4.50	736.80
320	0.00	88.89	4.50	941.30	4.50	736.80
325	0.00	86.66	4.50	941.30	4.50	736.80
330	0.00	84.45	4.50	941.30	4.50	736.80
335	0.00	82.28	4.50	941.30	4.50	736.80
340	0.00	80.15	4.50	941.30	4.50	736.80
345	0.00	78.08	4.50	941.30	4.50	736.80
350	0.00	76.10	4.50	941.30	4.50	736.80
355	0.00	74.20	4.50	941.30	4.50	736.80

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
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DATED: November 06, 2008