

EXHIBIT B -EXTENDED C-BAND FREQUENCY COORDINATION

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for

Newcom International, Inc.
Miami, Florida
Call Sign: E040267

Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, Virginia 20147
September 23, 2009

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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 transmit/receive earth station.

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 August 6, 2009.

Company

BROWARD COUNTY BOARD OF COMMISSIONERS
BROWARD COUNTY TELECOMMUNICATIONS DIV
CITY OF MIAMI
COLLIER, COUNTY OF
Central Florida Cellular Telephone Co
City of West Palm Beach
EMBRAER - Empresa Brasileira de Aeronaut
Embarq Florida, Inc.
FLORIDA INTERNATIONAL UNIVERSITY
FLORIDA POWER AND LIGHT COMPANY
FLORIDA, STATE OF
Florida, State of
Fort Lauderdale City Florida
Harris Corporation - Orlando, FL
INDIAN RIVER COUNTY
LEE COUNTY, FLORIDA - BOCC
MARTIN COUNTY FLORIDA
MARTIN COUNTY SHERIFFS OFFICE
Miami-Dade County
New Cingular Wireless PCS LLC - N FL
New Cingular Wireless PCS LLC - S FL
PALM BEACH COUNTY SHERIFFS OFFICE
Palm Beach County Facilities Dev & Ops
RIVIERA BEACH CITY OF
South Florida Water Management District
Telcom Systems, Ltd.
Verizon Wireless Personal Comm, L.P.(FL)
BARRY TELECOMMUNICATIONS, INC.,
CBS Television Stations
Dade, County of
MARTIN COUNTY SHERIFFS OFFICE
Manatee County Sheriff's Office
Miami City Police Department
NBC TELEMUNDO LICENSE CO.
Palm Beach County Facilities Dev & Ops
Palm Beach County School Board
Post-Newsweek Stations Florida - WPLG-TV

Company (Continued)

SCHOOL BOARD OF BROWARD COUNTY
Seminole County Sheriff Dept
Sunbeam Television Corp.
WPB TV LICENSEE CORP.
AT&T California
ALASCOM, Inc.
Verizon Pennsylvania, Inc.
Verizon Washington DC, Inc.
Verizon North, Inc.
Verizon New Jersey, Inc.
Verizon Maryland, Inc.
Verizon Virginia, Inc.
Verizon New York, Inc.
Verizon Delaware, Inc.
Verizon South, Inc.
Verizon New England, Inc.
Verizon California, Inc.
Verizon Northwest, Inc.
Bellsouth Telecommunications, Inc.
Southwestern Bell Telephone Company
Indiana Bell Telephone Company, Inc.
Ohio Bell Telephone Company
Michigan Bell Telephone Company
Wisconsin Bell Inc.
Cincinnati Bell Telephone Company
Illinois Bell Telephone Company
Hawaiian Telecom, Inc., Debtor-in-Possession
Chicago Comnet Corp.
Ascent Media Network Services, LLC
Mercury Communications
Quick Link Connections, Inc.
Direct Broadcasting Service, Inc.
Village Video Production, Inc.
New England Satellite Systems, Inc.
Moreen, Steven K.
Information Super Station LLC
Broadcast Communications Microwave Inc.
Global Microwave Systems Inc.
Penn Service Microwave Company, Inc.
HF Enterprises, Inc. dba HSE Communications, Inc.
Broadcast Sports, Inc.
HBJ Parks, Inc.
RF Central, LLC
Westar Satellite Services LP
Borgeson, Tom R.
Metro Networks Communications Inc.
UniSat, Inc.
Casper, John
Qwest Corporation
International Communications Group, Inc., dba Corban Networks

Company (Continued)

Hallco Unlimited, Inc.
Radiofone, Inc., dba ALLTEL
Regulus Media Services, Inc.
Kentucky RSA 3 Cellular General Partnership
Kentucky RSA 4 Cellular General Partnership
Plateau Telecommunications, Inc.
CNG Communications, Inc.
Remote Facilities Consulting Services
Winged Vision Inc
RCC Minnesota, Inc.
Goodyear Tire & Rubber Company
New England Digital Distribution Inc.
Navajo Communications Company, Inc
Vyvx, LLC
CenturyTel of the Southwest, Inc
Production & Satellite Services, Inc
Total RF Productions, LLC
DCI II Inc
Western Technical Services (A Division of Focus Communications, Inc.)
Carolina Telephone and Telegraph Company LLC
Wexler Video, Inc
3G Wireless, LLC
Information & Display Systems, Inc.
Cohen, Elena
Speedshotz, Inc
On Scene Video Production
Remote Broadcasts Inc
Plum TV, LLC
Public Television Communications Center, Troy Public Broadcasting
NorthWest Suburbs Community Access Corporation dba NorthWest Community Television
Aerial Video Systems
RF Film, Inc
Citywide News Network, Inc.
Heiden, Mr. William
Wolfe Air Aviation
RF Technology, LLC
Onboard Images
GSN News, Inc
United Telephone Southeast LLC

Society of Broadcast Engineers (SBE)

Florida: Miami Region
Tampa Region
Central Region
Ft. Myers – Radio Region
Ft. Myers – TV Region
Palm Beach Region

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: 09/23/2009
Job Number: 090806COMSJC02

Administrative Information

Status ENGINEER PROPOSAL
Call Sign E040267
Licensee Code NCOMIN
Licensee Name Newcom International, Inc.

Site Information

MIAMI, FL

Venue Name
Latitude (NAD 83) 25° 54' 59.3" N
Longitude (NAD 83) 80° 13' 29.2" W
Climate Zone B
Rain Zone 1
Ground Elevation (AMSL) 1.83 m / 6.0 ft

Link Information

Satellite Type Geostationary
Mode TR - Transmit-Receive
Modulation Digital
Satellite Arc 11° W to 12° West Longitude
Azimuth Range 99.4° to 99.9°
Corresponding Elevation Angles 10.0° / 11.0°
Antenna Centerline (AGL) 5.49 m / 18.0 ft

Antenna Information

Receive

Manufacturer Andrew Corporation
Model 7.3 Meter
Gain / Diameter 48.5 dBi / 7.3 m
3-dB / 15-dB Beamwidth 0.70° / 1.30°

Transmit

Andrew Corporation
7.3 Meter
51.7 dBi / 7.3 m
0.42° / 0.84°

				58K0G7D	128KG7D	40M0G7W
Max Available RF Power	(dBW/4 kHz)			-2.7	-2.7	-18.7
	(dBW/MHz)			8.9	12.4	5.3
Maximum EIRP	(dBW/4 kHz)			49.0	49.0	33.0
	(dBW/MHz)			60.6	64.1	57.0
	(dBW)			60.6	64.1	73.0
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 4.0 GHz

Emission / Frequency Range (MHz)
58K0G7D / 3700.0 - 4200.0
128KG7D / 3700.0 - 4200.0
40M0G7W / 3700.0 - 4200.0

Transmit 6.1 GHz

58K0G7D / 6425.0 - 6525.0
128KG7D / 6425.0 - 6525.0
40M0G7W / 6425.0 - 6525.0

Max Great Circle Coordination Distance 682.8 km / 424.2 mi 318.2 km / 197.7 mi
Precipitation Scatter Contour Radius 626.3 km / 389.1 mi 135.6 km / 84.3 mi

COMSEARCH

Earth Station Data Sheet

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

Coordination Values

MIAMI, FL

Licensee Name Newcom International, Inc.
Latitude (NAD 83) 25° 54' 59.3" N
Longitude (NAD 83) 80° 13' 29.2" W
Ground Elevation (AMSL) 1.83 m / 6.0 ft
Antenna Centerline (AGL) 5.49 m / 18.0 ft
Antenna Model Andrew Corporation 7.3 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 -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	0.00	99.27	-10.00	412.20	-10.00	200.77
5	0.00	94.35	-10.00	412.20	-10.00	200.77
10	0.00	89.43	-10.00	412.20	-10.00	200.77
15	0.00	84.50	-10.00	412.20	-10.00	200.77
20	0.00	79.58	-10.00	412.20	-10.00	200.77
25	0.00	74.66	-10.00	412.20	-10.00	200.77
30	0.00	69.75	-10.00	412.20	-10.00	200.77
35	0.00	64.84	-10.00	412.20	-10.00	200.77
40	0.00	59.93	-10.00	412.20	-10.00	200.77
45	0.00	55.04	-10.00	412.20	-10.00	200.77
50	0.00	50.16	-10.00	412.20	-10.00	200.77
55	0.00	45.31	-9.40	419.67	-9.40	204.20
60	0.00	40.47	-8.18	435.44	-8.18	211.37
65	0.00	35.68	-6.81	453.80	-6.81	219.62
70	0.00	30.94	-5.26	474.83	-5.26	229.24
75	0.00	26.28	-3.49	500.91	-3.49	240.63
80	0.00	21.77	-1.45	532.79	-1.45	254.29
85	0.00	17.51	0.92	572.02	0.92	269.34
90	0.00	13.73	3.56	618.72	3.56	289.60
95	0.00	10.96	6.01	664.35	6.01	310.04
100	0.00	10.06	6.94	682.77	6.94	318.24
105	0.00	11.47	5.51	654.70	5.51	305.75
110	0.00	14.55	2.93	607.33	2.93	284.62
115	0.00	18.47	0.34	562.15	0.34	265.12
120	0.00	22.78	-1.94	524.97	-1.94	250.97
125	0.00	27.24	-3.88	495.08	-3.88	238.10
130	0.00	31.85	-5.58	470.33	-5.58	227.26
135	0.00	36.55	-7.07	450.21	-7.07	218.02
140	0.00	41.32	-8.40	432.51	-8.40	210.04
145	0.00	46.13	-9.60	417.21	-9.60	203.07
150	0.00	50.96	-10.00	412.20	-10.00	200.77
155	0.00	55.82	-10.00	412.20	-10.00	200.77
160	0.00	60.69	-10.00	412.20	-10.00	200.77
165	0.00	65.58	-10.00	412.20	-10.00	200.77
170	0.00	70.47	-10.00	412.20	-10.00	200.77
175	0.00	75.37	-10.00	412.20	-10.00	200.77
180	0.00	80.28	-10.00	412.20	-10.00	200.77
185	0.00	85.18	-10.00	412.20	-10.00	200.77

COMSEARCH

Earth Station Data Sheet

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(703)726-5500 <http://www.comsearch.com>

Coordination Values

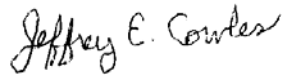
MIAMI, FL

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Antenna Model	Andrew Corporation 7.3 Meter				
Antenna Mode	Receive 4.0 GHz				
Interference Objectives: Long Term	-156.0 dBW/MHz	20%	Transmit 6.1 GHz	-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				-2.7 (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	90.09	-10.00	412.20	-10.00	200.77
195	0.00	95.00	-10.00	412.20	-10.00	200.77
200	0.00	99.91	-10.00	412.20	-10.00	200.77
205	0.00	104.81	-10.00	412.20	-10.00	200.77
210	0.00	109.71	-10.00	412.20	-10.00	200.77
215	0.00	114.61	-10.00	412.20	-10.00	200.77
220	0.00	119.49	-10.00	412.20	-10.00	200.77
225	0.00	124.36	-10.00	412.20	-10.00	200.77
230	0.00	129.22	-10.00	412.20	-10.00	200.77
235	0.00	134.06	-10.00	412.20	-10.00	200.77
240	0.00	138.86	-10.00	412.20	-10.00	200.77
245	0.00	143.63	-10.00	412.20	-10.00	200.77
250	0.00	148.33	-10.00	412.20	-10.00	200.77
255	0.00	152.93	-10.00	412.20	-10.00	200.77
260	0.00	157.39	-10.00	412.20	-10.00	200.77
265	0.00	161.58	-10.00	412.20	-10.00	200.77
270	0.00	165.27	-10.00	412.20	-10.00	200.77
275	0.00	168.01	-10.00	412.20	-10.00	200.77
280	0.00	169.05	-10.00	412.20	-10.00	200.77
285	0.00	167.93	-10.00	412.20	-10.00	200.77
290	0.00	165.15	-10.00	412.20	-10.00	200.77
295	0.00	161.43	-10.00	412.20	-10.00	200.77
300	0.00	157.19	-10.00	412.20	-10.00	200.77
305	0.00	152.64	-10.00	412.20	-10.00	200.77
310	0.00	147.96	-10.00	412.20	-10.00	200.77
315	0.00	143.21	-10.00	412.20	-10.00	200.77
320	0.00	138.40	-10.00	412.20	-10.00	200.77
325	0.00	133.56	-10.00	412.20	-10.00	200.77
330	0.00	128.70	-10.00	412.20	-10.00	200.77
335	0.00	123.82	-10.00	412.20	-10.00	200.77
340	0.00	118.92	-10.00	412.20	-10.00	200.77
345	0.00	114.02	-10.00	412.20	-10.00	200.77
350	0.00	109.11	-10.00	412.20	-10.00	200.77
355	0.00	104.19	-10.00	412.20	-10.00	200.77

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.



Jeffrey E. Cowles
Principal Frequency Planner
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, Va. 20147

DATED: September 23, 2009