

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for
Digital Latin America, LLC
CORAL SPRING, FL
(9.1 Meter)
Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147
May 26, 2011

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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

New Cingular Wireless PCS LLC - S FL
South Florida Water Management District
Verizon Wireless Personal Comm, LP(S FL)

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 04/25/2011.

Company

Alltel Wireless Holdings, LLC.
Embarq Florida, Inc.
FLORIDA POWER AND LIGHT COMPANY
Florida RSA No. 2B (Indian River) LP
Harris Corporation - Orlando, FL
LEE COUNTY, FLORIDA - BOCC
METROPOLITAN AREA NETWORKS, INC.
Miami-Dade County
New Cingular Wireless PCS LLC - N FL
New Cingular Wireless PCS LLC - S FL
Palm Beach County Facilities Dev & Ops
Saint Lucie, County of
South Florida Water Management District
Sun Broadcasting, Inc.
Verizon Wireless Personal Comm, LP(S FL)

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.

Date: 05/26/2011
Job Number: 110425COMSGE02

Administrative Information

Status ENGINEER PROPOSAL
Call Sign
Licensee Code DIGLAT
Licensee Name Digital Latin America, LLC

Site Information CORAL SPRINGS, FL

Venue Name
Latitude (NAD 83) 26° 16' 53.8" N
Longitude (NAD 83) 80° 17' 24.4" W
Climate Zone A
Rain Zone 1
Ground Elevation (AMSL) 2.74 m / 9.0 ft

Link Information

Satellite Type Geostationary
Mode TR - Transmit-Receive
Modulation Digital
Satellite Arc 6° W to 143° West Longitude
Azimuth Range 97.1° to 257.1°
Corresponding Elevation Angles 5.4° / 15.9°
Antenna Centerline (AGL) 5.49 m / 18.0 ft

Antenna Information

Manufacturer
Model
Gain / Diameter
3-dB / 15-dB Beamwidth

Receive - FCC32

Andrew
9.1 Meter ESA
50.5 dBi / 9.1 m
0.50° / 1.00°

Transmit - FCC32

Andrew
9.1 Meter ESA
53.9 dBi / 9.1 m
0.32° / 0.62°

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

-3.8
20.2

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

50.1
74.1

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

Emission / Frequency Range (MHz)

Receive 4.0 GHz

43K9G7D - 8M00G7D / 3700.0 - 4200.0

Transmit 6.1 GHz

43K9G7D - 8M00G7D / 5925.0 - 6425.0

Max Great Circle Coordination Distance
Precipitation Scatter Contour Radius

663.4 km / 412.2 mi
719.2 km / 446.9 mi

383.4 km / 238.2 mi
125.0 km / 77.7 mi

Coordination Values**CORAL SPRING, FL**

Licensee Name Digital Latin America, LLC
 Latitude (NAD 83) 26° 16' 53.8" N
 Longitude (NAD 83) 80° 17' 24.4" W
 Ground Elevation (AMSL) 2.74 m / 9.0 ft
 Antenna Centerline (AGL) 5.49 m / 18.0 ft
 Antenna Model Andrew 9.1 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 -3.8 (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	97.07	-10.00	285.28	-10.00	164.75
5	0.00	92.09	-10.00	285.28	-10.00	164.75
10	0.00	87.11	-10.00	285.28	-10.00	164.75
15	0.00	82.14	-10.00	285.28	-10.00	164.75
20	0.00	77.16	-10.00	285.28	-10.00	164.75
25	0.00	72.18	-10.00	285.28	-10.00	164.75
30	0.00	67.21	-10.00	285.28	-10.00	164.75
35	0.00	62.24	-10.00	285.28	-10.00	164.75
40	0.00	57.27	-10.00	285.28	-10.00	164.75
45	0.00	52.30	-10.00	285.28	-10.00	164.75
50	0.00	47.34	-9.88	286.05	-9.88	165.22
55	0.00	42.38	-8.68	293.82	-8.68	171.52
60	0.00	37.44	-7.33	302.82	-7.33	176.75
65	0.00	32.50	-5.80	314.04	-5.80	182.68
70	0.00	27.59	-4.02	326.70	-4.02	189.53
75	0.00	22.72	-1.91	342.18	-1.91	197.62
80	0.00	17.91	0.67	361.80	0.67	205.85
85	0.00	13.23	3.96	387.80	3.96	219.12
90	0.00	8.91	8.26	423.43	8.26	238.43
95	0.00	5.78	12.94	663.43	12.94	383.45
100	0.00	6.12	12.33	477.86	12.33	265.12
105	0.00	9.55	7.50	416.80	7.50	234.85
110	0.00	13.91	3.42	383.44	3.42	216.85
115	0.00	18.29	0.44	360.01	0.44	204.96
120	0.00	22.64	-1.87	342.47	-1.87	197.77
125	0.00	26.92	-3.75	328.64	-3.75	190.56
130	0.00	31.14	-5.33	317.33	-5.33	184.48
135	0.00	35.26	-6.68	307.26	-6.68	179.27
140	0.00	39.26	-7.85	299.33	-7.85	174.74
145	0.00	43.10	-8.86	292.62	-8.86	170.80
150	0.00	46.74	-9.74	286.93	-9.74	165.75
155	0.00	50.10	-10.00	285.28	-10.00	164.75
160	0.00	53.11	-10.00	285.28	-10.00	164.75
165	0.00	55.66	-10.00	285.28	-10.00	164.75
170	0.00	57.62	-10.00	285.28	-10.00	164.75
175	0.00	58.86	-10.00	285.28	-10.00	164.75
180	0.00	59.29	-10.00	285.28	-10.00	164.75
185	0.00	58.86	-10.00	285.28	-10.00	164.75

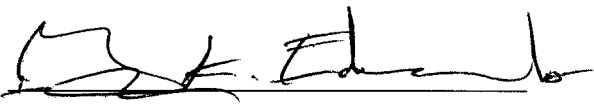
Coordination Values**CORAL SPRING, FL**

Licensee Name Digital Latin America, LLC
 Latitude (NAD 83) 26° 16' 53.8" N
 Longitude (NAD 83) 80° 17' 24.4" W
 Ground Elevation (AMSL) 2.74 m / 9.0 ft
 Antenna Centerline (AGL) 5.49 m / 18.0 ft
 Antenna Model Andrew 9.1 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 -3.8 (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	0.00	57.62	-10.00	285.28	-10.00	164.75
195	0.00	55.66	-10.00	285.28	-10.00	164.75
200	0.00	53.11	-10.00	285.28	-10.00	164.75
205	0.00	50.10	-10.00	285.28	-10.00	164.75
210	0.00	46.74	-9.74	286.93	-9.74	165.75
215	0.00	43.10	-8.86	292.62	-8.86	170.80
220	0.00	39.26	-7.85	299.34	-7.85	174.74
225	0.00	35.26	-6.68	307.27	-6.68	179.27
230	0.00	31.14	-5.33	317.33	-5.33	184.48
235	0.00	27.02	-3.79	328.35	-3.79	190.41
240	0.00	23.22	-2.14	340.43	-2.14	196.72
245	0.00	19.91	-0.48	352.96	-0.48	203.08
250	0.00	17.40	0.99	364.22	0.99	207.06
255	0.00	16.05	1.86	371.07	1.86	210.50
260	0.00	16.16	1.79	370.48	1.79	210.20
265	0.00	17.71	0.80	362.74	0.80	206.32
270	0.00	20.36	-0.72	351.12	-0.72	202.16
275	0.00	23.75	-2.39	338.59	-2.39	195.77
280	0.00	27.61	-4.03	326.64	-4.03	189.50
285	0.00	31.77	-5.55	315.78	-5.55	183.63
290	0.00	36.13	-6.95	305.45	-6.95	178.25
295	0.00	40.61	-8.22	296.88	-8.22	173.32
300	0.00	45.19	-9.37	289.29	-9.37	168.81
305	0.00	49.83	-10.00	285.28	-10.00	164.75
310	0.00	54.51	-10.00	285.28	-10.00	164.75
315	0.00	59.24	-10.00	285.28	-10.00	164.75
320	0.00	63.99	-10.00	285.28	-10.00	164.75
325	0.00	68.76	-10.00	285.28	-10.00	164.75
330	0.00	73.55	-10.00	285.28	-10.00	164.75
335	0.00	78.34	-10.00	285.28	-10.00	164.75
340	0.00	83.14	-10.00	285.28	-10.00	164.75
345	0.00	87.95	-10.00	285.28	-10.00	164.75
350	0.00	92.76	-10.00	285.28	-10.00	164.75
355	0.00	97.57	-10.00	285.28	-10.00	164.75

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: May 26, 2011

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for
Digital Latin America, LLC
CORAL SPRING, FL
(7.6 Meter)
Satellite Earth Station

Prepared By:
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19700 Janelia Farm Boulevard
Ashburn, VA 20147
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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.

Date: 05/26/2011
Job Number: 110425COMSGE03

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Status ENGINEER PROPOSAL
Call Sign
Licensee Code DIGLAT
Licensee Name Digital Latin America, LLC

Site Information CORAL SPRINGS, FL

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Link Information

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Satellite Arc 6° W to 143° West Longitude
Azimuth Range 97.1° to 257.1°
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Antenna Information

Manufacturer
Model
Gain / Diameter
3-dB / 15-dB Beamwidth

Receive - FCC32

Andrew
7.6 Meter ESA
49.0 dBi / 7.6 m
0.58° / 1.18°

Transmit - FCC32

Andrew
7.6 Meter ESA
52.7 dBi / 7.6 m
0.40° / 0.76°

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

-2.7
21.3

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

50.0
74.0

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

Emission / Frequency Range (MHz)

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Transmit 6.1 GHz

43K9G7D - 8M00G7D / 5925.0 - 6425.0

Max Great Circle Coordination Distance
Precipitation Scatter Contour Radius

640.2 km / 397.8 mi
719.2 km / 446.9 mi

382.8 km / 237.8 mi
141.1 km / 87.7 mi

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 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	97.07	-10.00	285.28	-10.00	170.66
5	0.00	92.09	-10.00	285.28	-10.00	170.66
10	0.00	87.11	-10.00	285.28	-10.00	170.66
15	0.00	82.14	-10.00	285.28	-10.00	170.66
20	0.00	77.16	-10.00	285.28	-10.00	170.66
25	0.00	72.18	-10.00	285.28	-10.00	170.66
30	0.00	67.21	-10.00	285.28	-10.00	170.66
35	0.00	62.24	-10.00	285.28	-10.00	170.66
40	0.00	57.27	-10.00	285.28	-10.00	170.66
45	0.00	52.30	-10.00	285.28	-10.00	170.66
50	0.00	47.34	-9.88	286.05	-9.88	171.12
55	0.00	42.38	-8.68	293.82	-8.68	175.79
60	0.00	37.44	-7.33	302.82	-7.33	181.01
65	0.00	32.50	-5.80	314.04	-5.80	186.92
70	0.00	27.59	-4.02	326.70	-4.02	193.75
75	0.00	22.72	-1.91	342.18	-1.91	201.82
80	0.00	17.91	0.67	361.80	0.67	210.15
85	0.00	13.23	3.96	387.80	3.96	223.85
90	0.00	8.91	8.26	423.43	8.26	243.73
95	0.00	5.78	12.94	640.21	12.94	382.79
100	0.00	6.12	12.33	474.45	12.33	269.95
105	0.00	9.55	7.50	416.80	7.50	240.05
110	0.00	13.91	3.42	383.44	3.42	221.51
115	0.00	18.29	0.44	360.01	0.44	209.23
120	0.00	22.64	-1.87	342.47	-1.87	201.97
125	0.00	26.92	-3.75	328.64	-3.75	194.78
130	0.00	31.14	-5.33	317.33	-5.33	188.72
135	0.00	35.26	-6.68	307.26	-6.68	183.52
140	0.00	39.26	-7.85	299.33	-7.85	179.01
145	0.00	43.10	-8.86	292.62	-8.86	175.08
150	0.00	46.74	-9.74	286.93	-9.74	171.66
155	0.00	50.10	-10.00	285.28	-10.00	170.66
160	0.00	53.11	-10.00	285.28	-10.00	170.66
165	0.00	55.66	-10.00	285.28	-10.00	170.66
170	0.00	57.62	-10.00	285.28	-10.00	170.66
175	0.00	58.86	-10.00	285.28	-10.00	170.66
180	0.00	59.29	-10.00	285.28	-10.00	170.66
185	0.00	58.86	-10.00	285.28	-10.00	170.66

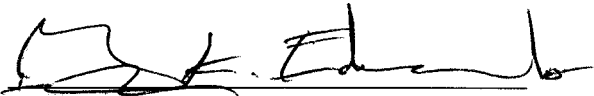
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 Latitude (NAD 83) 26° 16' 53.8" N
 Longitude (NAD 83) 80° 17' 24.4" W
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 Antenna Model Andrew 7.6 Meter
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 Interference Objectives: Long Term -156.0 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)
190	0.00	57.62	-10.00	285.28	-10.00	170.66
195	0.00	55.66	-10.00	285.28	-10.00	170.66
200	0.00	53.11	-10.00	285.28	-10.00	170.66
205	0.00	50.10	-10.00	285.28	-10.00	170.66
210	0.00	46.74	-9.74	286.93	-9.74	171.66
215	0.00	43.10	-8.86	292.62	-8.86	175.08
220	0.00	39.26	-7.85	299.34	-7.85	179.01
225	0.00	35.26	-6.68	307.27	-6.68	183.52
230	0.00	31.14	-5.33	317.33	-5.33	188.72
235	0.00	27.02	-3.79	328.35	-3.79	194.63
240	0.00	23.22	-2.14	340.43	-2.14	200.92
245	0.00	19.91	-0.48	352.96	-0.48	205.65
250	0.00	17.40	0.99	364.22	0.99	211.40
255	0.00	16.05	1.86	371.07	1.86	214.96
260	0.00	16.16	1.79	370.48	1.79	214.65
265	0.00	17.71	0.80	362.74	0.80	210.63
270	0.00	20.36	-0.72	351.12	-0.72	204.72
275	0.00	23.75	-2.39	338.59	-2.39	199.98
280	0.00	27.61	-4.03	326.64	-4.03	193.72
285	0.00	31.77	-5.55	315.78	-5.55	187.87
290	0.00	36.13	-6.95	305.45	-6.95	182.50
295	0.00	40.61	-8.22	296.88	-8.22	177.59
300	0.00	45.19	-9.37	289.29	-9.37	173.09
305	0.00	49.83	-10.00	285.28	-10.00	170.66
310	0.00	54.51	-10.00	285.28	-10.00	170.66
315	0.00	59.24	-10.00	285.28	-10.00	170.66
320	0.00	63.99	-10.00	285.28	-10.00	170.66
325	0.00	68.76	-10.00	285.28	-10.00	170.66
330	0.00	73.55	-10.00	285.28	-10.00	170.66
335	0.00	78.34	-10.00	285.28	-10.00	170.66
340	0.00	83.14	-10.00	285.28	-10.00	170.66
345	0.00	87.95	-10.00	285.28	-10.00	170.66
350	0.00	92.76	-10.00	285.28	-10.00	170.66
355	0.00	97.57	-10.00	285.28	-10.00	170.66

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: May 26, 2011

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for
Digital Latin America, LLC
CORAL SPRINGS, FL
(6.5 Meter)
Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147
May 26, 2011

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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

New Cingular Wireless PCS LLC - S FL
South Florida Water Management District

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 04/25/2011.

Company

Alltel Wireless Holdings, LLC.
Embarq Florida, Inc.
FLORIDA POWER AND LIGHT COMPANY
Florida RSA No. 2B (Indian River) LP
Harris Corporation - Orlando, FL
LEE COUNTY, FLORIDA - BOCC
METROPOLITAN AREA NETWORKS, INC.
Miami-Dade County
New Cingular Wireless PCS LLC - N FL
New Cingular Wireless PCS LLC - S FL
Palm Beach County Facilities Dev & Ops
Saint Lucie, County of
South Florida Water Management District
Sun Broadcasting, Inc.
Verizon Wireless Personal Comm, LP(S FL)

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: 05/26/2011
Job Number: 110425COMSGE04

Administrative Information

Status ENGINEER PROPOSAL
Call Sign
Licensee Code DIGLAT
Licensee Name Digital Latin America, LLC

Site Information CORAL SPRINGS, FL

Venue Name
Latitude (NAD 83) 26° 16' 53.8" N
Longitude (NAD 83) 80° 17' 24.4" W
Climate Zone A
Rain Zone 1
Ground Elevation (AMSL) 2.74 m / 9.0 ft

Link Information

Satellite Type Geostationary
Mode TR - Transmit-Receive
Modulation Digital
Satellite Arc 6° W to 143° West Longitude
Azimuth Range 97.1° to 257.1°
Corresponding Elevation Angles 5.4° / 15.9°
Antenna Centerline (AGL) 6.1 m / 20.0 ft

Antenna Information

Receive - FCC32

Transmit - FCC32

Manufacturer	ASC Signal	ASC Signal	
Model	6.5 ESA	6.5 ESA	
Gain / Diameter	47.4 dBi / 6.5 m	50.9 dBi / 6.5 m	
3-dB / 15-dB Beamwidth	0.80° / 1.90°	0.52° / 1.30°	
Max Available RF Power (dBW/4 kHz)		-4.4	
(dBW/MHz)		19.6	
Maximum EIRP (dBW/4 kHz)		46.5	
(dBW/MHz)		70.5	
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

Transmit 6.1 GHz

Emission / Frequency Range (MHz)	43K9G7D - 8M00G7D / 3700.0 - 4200.0	43K9G7D - 8M00G7D / 5925.0 - 6425.0
Max Great Circle Coordination Distance	617.5 km / 383.6 mi	348.8 km / 216.7 mi
Precipitation Scatter Contour Radius	719.2 km / 446.9 mi	100.0 km / 62.1 mi

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
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Coordination Values

CORAL SPRING, FL

Licensee Name Digital Latin America, LLC
Latitude (NAD 83) 26° 16' 53.8" N
Longitude (NAD 83) 80° 17' 24.4" W
Ground Elevation (AMSL) 2.74 m / 9.0 ft
Antenna Centerline (AGL) 6.1 m / 20.0 ft
Antenna Model ASC Signal 6.5 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 -4.4 (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	97.07	-10.00	285.28	-10.00	162.46
5	0.00	92.09	-10.00	285.28	-10.00	162.46
10	0.00	87.11	-10.00	285.28	-10.00	162.46
15	0.00	82.14	-10.00	285.28	-10.00	162.46
20	0.00	77.16	-10.00	285.28	-10.00	162.46
25	0.00	72.18	-10.00	285.28	-10.00	162.46
30	0.00	67.21	-10.00	285.28	-10.00	162.46
35	0.00	62.24	-10.00	285.28	-10.00	162.46
40	0.00	57.27	-10.00	285.28	-10.00	162.46
45	0.00	52.30	-10.00	285.28	-10.00	162.46
50	0.00	47.34	-9.88	286.05	-9.88	162.91
55	0.00	42.38	-8.68	293.82	-8.68	169.18
60	0.00	37.44	-7.33	302.82	-7.33	174.42
65	0.00	32.50	-5.80	314.04	-5.80	180.36
70	0.00	27.59	-4.02	326.70	-4.02	187.22
75	0.00	22.72	-1.91	342.18	-1.91	195.33
80	0.00	17.91	0.67	361.80	0.67	205.19
85	0.00	13.23	3.96	387.80	3.96	216.60
90	0.00	8.91	8.26	423.43	8.26	235.60
95	0.00	5.78	12.94	617.48	12.94	348.81
100	0.00	6.12	12.33	470.98	12.33	257.39
105	0.00	9.55	7.50	416.80	7.50	232.08
110	0.00	13.91	3.42	383.44	3.42	214.36
115	0.00	18.29	0.44	360.01	0.44	204.31
120	0.00	22.64	-1.87	342.47	-1.87	195.48
125	0.00	26.92	-3.75	328.64	-3.75	188.25
130	0.00	31.14	-5.33	317.33	-5.33	182.17
135	0.00	35.26	-6.68	307.26	-6.68	176.94
140	0.00	39.26	-7.85	299.33	-7.85	172.41
145	0.00	43.10	-8.86	292.62	-8.86	168.47
150	0.00	46.74	-9.74	286.93	-9.74	163.44
155	0.00	50.10	-10.00	285.28	-10.00	162.46
160	0.00	53.11	-10.00	285.28	-10.00	162.46
165	0.00	55.66	-10.00	285.28	-10.00	162.46
170	0.00	57.62	-10.00	285.28	-10.00	162.46
175	0.00	58.86	-10.00	285.28	-10.00	162.46
180	0.00	59.29	-10.00	285.28	-10.00	162.46
185	0.00	58.86	-10.00	285.28	-10.00	162.46

COMSEARCH

Earth Station Data Sheet

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

Coordination Values

CORAL SPRING, FL

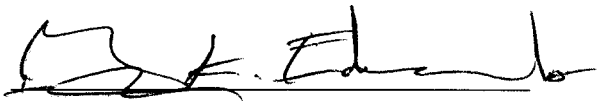
Licensee Name	Digital Latin America, LLC			
Latitude (NAD 83)	26° 16' 53.8" N			
Longitude (NAD 83)	80° 17' 24.4" W			
Ground Elevation (AMSL)	2.74 m / 9.0 ft			
Antenna Centerline (AGL)	6.1 m / 20.0 ft			
Antenna Model	ASC Signal 6.5 Meter			
Antenna Mode	Receive 4.0 GHz		Transmit 6.1 GHz	
Interference 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			-4.4 (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	57.62	-10.00	285.28	-10.00	162.46
195	0.00	55.66	-10.00	285.28	-10.00	162.46
200	0.00	53.11	-10.00	285.28	-10.00	162.46
205	0.00	50.10	-10.00	285.28	-10.00	162.46
210	0.00	46.74	-9.74	286.93	-9.74	163.44
215	0.00	43.10	-8.86	292.62	-8.86	168.47
220	0.00	39.26	-7.85	299.34	-7.85	172.41
225	0.00	35.26	-6.68	307.27	-6.68	176.94
230	0.00	31.14	-5.33	317.33	-5.33	182.17
235	0.00	27.02	-3.79	328.35	-3.79	188.10
240	0.00	23.22	-2.14	340.43	-2.14	194.43
245	0.00	19.91	-0.48	352.96	-0.48	200.80
250	0.00	17.40	0.99	364.22	0.99	204.75
255	0.00	16.05	1.86	371.07	1.86	208.13
260	0.00	16.16	1.79	370.48	1.79	207.84
265	0.00	17.71	0.80	362.74	0.80	205.65
270	0.00	20.36	-0.72	351.12	-0.72	199.88
275	0.00	23.75	-2.39	338.59	-2.39	193.47
280	0.00	27.61	-4.03	326.64	-4.03	187.19
285	0.00	31.77	-5.55	315.78	-5.55	181.32
290	0.00	36.13	-6.95	305.45	-6.95	175.92
295	0.00	40.61	-8.22	296.88	-8.22	170.98
300	0.00	45.19	-9.37	289.29	-9.37	164.85
305	0.00	49.83	-10.00	285.28	-10.00	162.46
310	0.00	54.51	-10.00	285.28	-10.00	162.46
315	0.00	59.24	-10.00	285.28	-10.00	162.46
320	0.00	63.99	-10.00	285.28	-10.00	162.46
325	0.00	68.76	-10.00	285.28	-10.00	162.46
330	0.00	73.55	-10.00	285.28	-10.00	162.46
335	0.00	78.34	-10.00	285.28	-10.00	162.46
340	0.00	83.14	-10.00	285.28	-10.00	162.46
345	0.00	87.95	-10.00	285.28	-10.00	162.46
350	0.00	92.76	-10.00	285.28	-10.00	162.46
355	0.00	97.57	-10.00	285.28	-10.00	162.46

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: _



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Senior Manager
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DATED: May 26, 2011