

Prepared By

COMSEARCH

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

Prepared For

Cisco Systems, Inc.

Temporary Transmit-Only Earth Station
Operation Dates: 10/31/2010 - 11/05/2010

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. Verbal and written coordination was conducted with the below listed carriers on October 13, 2010.

Company

ALLTEL Communications, LLC
Acadiana Cellular General Partnership
Bell Atlantic Mobile Allentown-Verizon W
Cellular South Licenses, Inc.
Celutel, Inc.
Cleco Power LLC
DIXIE ELECTRIC MEMBERSHIP CORP
Exxon Communications Company
Greater Lafourche Port Commission
Jefferson Parish Sheriff's Office
Louisiana RSA #7 Cell Gen Partnership
Louisiana, State Of
Louisiana Dept. of Transportation and Dev
MCI Communications Services Inc.
METROPOLITAN AREA NETWORKS, INC.
MISSISSIPPI STATE DEPT OF TRANSPORTATION
NEW ORLEANS EDUCATIONAL TELECOMM
New Cingular Wireless PCS, LLC - LA, GM
PATHNET, INC. - DEBTOR IN POSSESSION
Plaquemines Parish Government
SOUTH MISSISSIPPI ELECTRIC POWER ASSOC
Sprint Spectrum LP DBA Sprint PCS
Sprint Spectrum LP Louisiana
State of Mississippi Wireless Communicat
Stratos Offshore Services Company
Verizon Wireless Personal Comm LP-LA/MS

There are no unresolved interference objections with the stations contained in these applications.

The following 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: 10/18/2010
Job Number: 101013COMSJC03

Administrative Information

Status: TEMPORARY (Operation from 10/31/2010 to 11/05/2010)
Call Sign: TEMP11
Licensee Code: CISCOS
Licensee Name: Cisco Systems, Inc.

Site Information

NEW ORLEANS, LOUISIANA

Venue Name: CONVENTION CENTER
Latitude (NAD 83): 29° 56' 21.5" N
Longitude (NAD 83): 90° 3' 51.0" W
Climate Zone: A
Rain Zone: 1
Ground Elevation (AMSL): 3.66 m / 12.0 ft

Link Information

Satellite Type: Geostationary
Mode: TO - Transmit-Only
Modulation: Digital
Satellite Arc: 45° W to 45° West Longitude
Azimuth Range: 116.5° to 116.5°
Corresponding Elevation Angles: 30.2° / 30.2°
Antenna Centerline (AGL): 3.66 m / 12.0 ft

Antenna Information

Transmit

Manufacturer: Patriot Ant. Systems
Model: TXFLY-180
Gain / Diameter: 39.6 dBi / 1.8 m
3-dB / 15-dB Beamwidth: 1.80° / 3.30°

Max Available RF Power (dBW/4 kHz): -20.3
(dBW/MHz): 3.7

Maximum EIRP (dBW/4 kHz): 19.3
(dBW/MHz): 43.3

Interference Objectives: Long Term: -154.0 dBW/4 kHz 20%
Short Term: -131.0 dBW/4 kHz 0.0025%

Frequency Information

Transmit 6.1 GHz

Emission / Frequency Range (MHz): 6M50G7D / 5942.0 - 5978.0

Max Great Circle Coordination Distance: 129.3 km / 80.3 mi
Precipitation Scatter Contour Radius: 100.0 km / 62.1 mi

COMSEARCH

Earth Station Data Sheet

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

Coordination Values

NEW ORLEANS, LA

Licensee Name Cisco Systems, Inc.
Latitude (NAD 83) 29° 56' 21.5" N
Longitude (NAD 83) 90° 3' 51.0" W
Ground Elevation (AMSL) 3.66 m / 12.0 ft
Antenna Centerline (AGL) 3.66 m / 12.0 ft
Antenna Model Patriot Ant. Systems 1.8 Meter
Antenna Mode Transmit 6.1 GHz
Interference Objectives: Long Term -154.0 dBW/4 kHz 20%
Short Term -131.0 dBW/4 kHz 0.0025%
Max Available RF Power -20.3 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	112.65	-10.00	116.30
5	0.00	108.44	-10.00	116.30
10	0.00	104.18	-10.00	116.30
15	0.00	99.90	-10.00	116.30
20	0.00	95.59	-10.00	116.30
25	0.00	91.27	-10.00	116.30
30	0.00	86.95	-10.00	116.30
35	0.00	82.64	-10.00	116.30
40	0.00	78.34	-10.00	116.30
45	0.00	74.07	-10.00	116.30
50	0.00	69.83	-10.00	116.30
55	0.00	65.63	-10.00	116.30
60	0.00	61.50	-10.00	116.30
65	0.00	57.44	-10.00	116.30
70	0.00	53.49	-10.00	116.30
75	0.00	49.66	-10.00	116.30
80	0.00	45.99	-9.57	117.41
85	0.00	42.53	-8.72	119.60
90	0.00	39.34	-7.87	121.80
95	0.00	36.48	-7.05	123.94
100	0.00	34.05	-6.30	125.91
105	0.00	32.14	-5.68	127.57
110	0.00	30.85	-5.23	128.75
115	0.00	30.26	-5.02	129.30
120	0.00	30.42	-5.08	129.16
125	0.00	31.30	-5.39	128.33
130	0.00	32.86	-5.92	126.93
135	0.00	34.99	-6.60	125.13
140	0.00	37.61	-7.38	123.08
145	0.00	40.61	-8.22	120.90
150	0.00	43.92	-9.07	118.70
155	0.00	47.47	-9.91	116.52
160	0.00	51.21	-10.00	116.30
165	0.00	55.10	-10.00	116.30
170	0.00	59.10	-10.00	116.30
175	0.00	63.19	-10.00	116.30
180	0.00	67.35	-10.00	116.30
185	0.00	71.56	-10.00	116.30

COMSEARCH

Earth Station Data Sheet

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

Coordination Values


NEW ORLEANS, LA

Licensee Name Cisco Systems, Inc.
Latitude (NAD 83) 29° 56' 21.5" N
Longitude (NAD 83) 90° 3' 51.0" W
Ground Elevation (AMSL) 3.66 m / 12.0 ft
Antenna Centerline (AGL) 3.66 m / 12.0 ft
Antenna Model Patriot Ant. Systems 1.8 Meter
Antenna Mode Transmit 6.1 GHz
Interference Objectives: Long Term -154.0 dBW/4 kHz 20%
Short Term -131.0 dBW/4 kHz 0.0025%
Max Available RF Power -20.3 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	75.82	-10.00	116.30
195	0.00	80.10	-10.00	116.30
200	0.00	84.41	-10.00	116.30
205	0.00	88.73	-10.00	116.30
210	0.00	93.05	-10.00	116.30
215	0.00	97.36	-10.00	116.30
220	0.00	101.66	-10.00	116.30
225	0.00	105.93	-10.00	116.30
230	0.00	110.17	-10.00	116.30
235	0.00	114.37	-10.00	116.30
240	0.00	118.50	-10.00	116.30
245	0.00	122.56	-10.00	116.30
250	0.00	126.51	-10.00	116.30
255	0.00	130.34	-10.00	116.30
260	0.00	134.01	-10.00	116.30
265	0.00	137.47	-10.00	116.30
270	0.00	140.66	-10.00	116.30
275	0.00	143.52	-10.00	116.30
280	0.00	145.95	-10.00	116.30
285	0.00	147.86	-10.00	116.30
290	0.00	149.15	-10.00	116.30
295	0.00	149.74	-10.00	116.30
300	0.00	149.58	-10.00	116.30
305	0.00	148.70	-10.00	116.30
310	0.00	147.14	-10.00	116.30
315	0.00	145.01	-10.00	116.30
320	0.00	142.39	-10.00	116.30
325	0.00	139.39	-10.00	116.30
330	0.00	136.08	-10.00	116.30
335	0.00	132.53	-10.00	116.30
340	0.00	128.79	-10.00	116.30
345	0.00	124.90	-10.00	116.30
350	0.00	120.90	-10.00	116.30
355	0.00	116.81	-10.00	116.30

Certification

I hereby certify that I am the technically qualified person responsible for the preparation of the frequency coordination data contained in this report. I am familiar with Parts 101 and 25 of the FCC Rules and Regulations and I have either prepared or reviewed the frequency coordination data submitted with this report, and that it is complete and correct to the best of my knowledge and belief.



Jeffrey E. Cowles
Engineer III, Telecommunications
COMSEARCH
19700 Janelia Farm Blvd.
Ashburn, Va. 20147

DATED: October 18, 2010