

**Exhibit A**  
**Lockheed Martin Corporation**  
**Carpentersville, NJ Earth Station**  
**Call Sign E7541**  
**STA Request for**  
**LEOp TT&C Operations**  
**November 2011**

**Description**

Lockheed Martin Corporation (“Lockheed Martin”) requests special temporary authority (“STA”) to operate its Carpentersville, New Jersey C-band fixed earth station (see File No. SES-LIC-20081103-01443, as amended)<sup>1</sup> to provide telemetry, tracking and control (“TT&C”) functions during the post-launch and transfer orbit phases of operation for the AsiaSat-7 satellite that will be operated by Asia Satellite Telecommunications Company Limited (“AsiaSat”). AsiaSat-7 is currently scheduled for launch on November 25, 2011, and Lockheed Martin intends to perform test transmissions in preparation for the launch on or about November 24, 2011.<sup>2</sup> To the extent required to meet this timetable, Lockheed Martin requests expedited treatment of the instant STA request and action by November 23, 2011.

Lockheed Martin specifically seeks authority to transmit using right-hand circular polarization on the 6426.0 MHz frequency, and using both right-hand and left-hand circular polarization on the 6428 MHz frequency. The earth station would receive telemetry signals from the AsiaSat-7 satellite on the 4199.25 MHz and 4199.85 MHz channels (both left-hand circular polarization). The mission duration for the TT&C operations requested here is no more than 10 days after launch. Lockheed Martin hereby requests a 30-day STA term commencing November 23, 2011 to enable it to accommodate any slippage in the launch date without the need for additional authority from the Commission.

The transmit frequencies Lockheed Martin seeks to use for the AsiaSat-7 TT&C support operations are not included in Lockheed Martin’s former license for Call Sign E7541 and current application for the C-band antenna in File No. SES-LIC-20081103-01443 (also under Call Sign E7541). Lockheed Martin notes, however, that the Commission has previously granted Lockheed Martin STA requests for launch and early-operations (“LEOp”) TT&C support using its Carpentersville, New Jersey earth station facilities. Most recently, the Commission authorized Lockheed Martin to perform launch support operations for the QuetzSat-1 in October 2011. *See e.g.*, Request of Lockheed Martin Corp. for STA to support LEOp TT&C Functions of QuetzSat-1, File No. SES-STA-20110919-01105. *See also* Request of Lockheed Martin Corp.

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<sup>1</sup> The pending application in File No. SES-LIC-20081103-01443, under Call Sign E7541, was filed on a provisional basis to replace Lockheed Martin’s inadvertently non-renewed license for a C-band antenna at the Carpentersville, NJ site under Call Sign E7541. Lockheed Martin’s petition to reinstate the license for Call Sign E7541, as well as the “replacement” application it filed in the alternative under File No. SES-LIC-20081103-01443 and Call Sign E7541, are pending.

<sup>2</sup> The test transmissions that would begin on or about November 23, 2011 would occur over a period of approximately two days. During these tests, the earth station would not be communicating with any satellite; instead, the transmissions will be made with the antenna at zenith to verify RF functionality.

for STA to support LEOp TT&C Functions of BSAT-3c, File No. SES-STA-20110504-00547; and Request of Lockheed Martin Corp. for STA to Support LEOp TT&C Functions for EchoStar-7, File No. SES-STA-20020208-00160 (STA to support launch and early operations TT&C functions for EchoStar-7 satellite using 17.3-17.8 GHz band frequencies for Earth-to-space telecommand transmissions). Lockheed Martin's pending license application in File No. SES-LIC-20081103-01443 included a radiation hazard study for this frequency range that Lockheed Martin hereby incorporates by reference. *See* Exhibit 28 to Application of Lockheed Martin Corporation, File No. SES-LIC-20081103-01443.

Lockheed Martin's proposed transmissions on the 6426.0 MHz and 6428.0 MHz transmit frequencies will use the emission designators for telecommand functions that are proposed in the pending license application, or will use carriers that do not exceed the highest e.i.r.p., e.i.r.p. density, and bandwidth prescribed in the application for the telecommand carriers. When no commands are being sent, a CW carrier that is within the emission envelope proposed in Lockheed Martin's application, as amended, would be present. *See* File No. SES-AMD-20081219-01664, at Schedule B. The information in the Schedule B portion of Lockheed Martin's pending application in File No. SES-LIC-20081103-01443, as amended, is hereby incorporated by reference. Lockheed Martin notes that it is possible that during an unexpected emergency with the satellite, the power levels proposed for the earth station in the 2008 application as amended may need to be exceeded to help recover the satellite. Under these extremely unlikely circumstances, Lockheed Martin will make every effort to coordinate such operations with affected users, and will take all reasonable steps to swiftly eliminate any harmful interference caused. Lockheed Martin fully understands that all of its proposed launch and early-operations TT&C support for the AsiaSat-7 launch will be on a strictly non-harmful interference, non-protected basis.

Lockheed Martin has secured a temporary frequency coordination that includes the entire proposed STA window (November 23, 2011 through December 22, 2011) for operations on the AsiaSat-7 TT&C frequencies from its Carpentersville earth station facility. The report is attached to this Exhibit A.

Lockheed Martin believes that the limited operations it proposed in support of the launch of AsiaSat-7 – operations Lockheed Martin and the satellite operator will coordinate in advance with any and all potentially affected entities that operate communications systems in compliance with the Table of Frequency Allocations during the limited period of use – are required in the public interest. Lockheed Martin's earth station will be part of a global network of control facilities that will be used to position the satellite as it progresses from transfer orbit to its final location. The safe and orderly use of the entire geostationary orbital resource and protection of the hundreds of satellites from the U.S. and other countries that operate there depends in no small part on ensuring that the AsiaSat-7 satellite is controlled while over North America, and Lockheed Martin's earth station thus will serve a limited-duration, but nonetheless vital function.

Lockheed Martin designates Michael Usarzewicz to be the contact person that will be available whenever transmission to, or reception from, AsiaSat-7 is to occur through the subject earth station. Mr. Usarzewicz can be reached at the following cell phone number: (609)-865-2658 and/or station number: (908) 859-4050.

The antenna to be used for operations under the proposed STA is already built. It is the same antenna that was previously authorized under Call Sign E7541 and that is now the subject of the pending application and reinstatement request described in Note 1 above.

In sum, Lockheed Martin requests authority to operate its Carpentersville, NJ C-band earth station antenna to provide critical TT&C services during the launch and early operations phase of the AsiaSat-7 satellite, for a term of 30 days – including two days for calibration testing, and a 10 day window between November 23 and December 22, 2011 for TT&C support operations.

**ATTACHMENT**

Prepared By

## COMSEARCH

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

Prepared For

### Lockheed Martin Corporation Carpentersville, New Jersey

Temporary Transmit-Only Earth Station  
Operation Dates: 11/22/2011 - 01/22/2012

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 27, 2011.

#### Company

ADAMS COUNTY EMERGENCY MANAGEMENT AGENCY  
ALGONQUIN GAS TRANSMISSION CO  
ANNE ARUNDEL, COUNTY OF  
ATLANTIC, COUNTY OF  
Aerbender, LLC  
Appalachian Broadcasting  
Atlantic City Electric Company  
Auburn Data Systems, LLC  
BAY BROADBAND COMMUNICATIONS LLC  
BURLINGTON COUNTY PUBLIC SAFETY CENTER  
Baltimore County of Maryland  
Baltimore Gas and Electric Company  
Berks, County of  
Binghamton MSA Limited Partnership  
Bucks, County of  
CARROLL COUNTY  
CBS Communications Services  
CENTRE COUNTY  
CHESTER, COUNTY OF  
COLUMBIA COUNTY  
COMMUNITY PRODUCTS, LLC  
CONNECTICUT STATE POLICE DEPARTMENT  
CONSOLIDATED EDISON COMPANY OF NEW YORK  
COUNTY OF MORRIS  
Carbon, County of 911 Center  
Cellco Partnership - (W-NY)  
Cellco Prtnrshp - Phil. Tri-State Rgn  
City of Bethlehem  
Columbia Gas Transmission Corporation  
Commonwealth of Pennsylvania  
Commonwealth of Pennsylvania-Radio Proj.

Company (Continued)

Comprehensive Wireless LLC  
County of Bergen, Bergen Cnty Police Dep  
County of Hunterdon  
County of Salem  
County of Warren  
Cumberland, County of  
DAUPHIN COUNTY EMERGENCY MANAGEMENT  
DELAWARE STATE - DTI  
Delaware County (PA) Emergency Services  
Delmarva Power & Light Company  
Dutchess County Emergency Response  
EASTERN PENNSYLVANIA EMS COUNCIL  
ECW Wireless, LLC  
Eastern Mlg  
Egan LLC  
Enoch Pratt Free Library  
Essex County Sherrif Office  
Exelon Generation Company, L.L.C  
FELHC, Inc.  
Federal Communications Commission  
Fibertrack, LLC  
Fleet Systems, LLC  
Franklin County Dept. of Emergency Servi  
Geneva Communications, LLC  
Gloucester, County of  
High Voltage Communications LLC  
Jefferson Microwave, LLC  
Keyspan Energy  
Kryptic Technologies  
LACKAWANNA COUNTY  
LANCASTER COUNTY OF  
LEBANON COUNTY OF  
Last Mile Inc.  
Lehigh, County of  
Luzerne County Department of Public Sfty  
M&T Bank  
M-Wave Networks LLC  
MARYLAND EMERG MANAGEMENT AGENCY COMM  
MARYLAND STATE DEPT OF GENERAL SERVICES  
MARYLAND, STATE OF - MDOT - MTA  
MONMOUTH, COUNTY OF  
MONTGOMERY COUNTY OF  
MTA - Long Island Railroad  
MVC Research. LLC  
Maryland Public Broadcasting Commission  
Maryland State Highway Administration  
Maryland, State of - DNR  
Maryland, State of - Dept.of Info & Tech  
Meridian Microwave  
Metropolitan Broadband Systems, LLC  
Mifflin County

Company (Continued)

Millennium Shore License Holdco, LLC  
Monroe County Control Center (PA)  
NBC TELEMUNDO LICENSE CO.  
NEW JERSEY TRANSIT RAIL OPERATIONS,INC  
NEW YORK CITY POLICE DEPARTMENT  
NEW YORK CITY TRANSIT AUTHORITY  
NORTHEAST UTILITIES SERVICE COMPANY  
Nassau County Police Department  
New Cingular Wireless PCS LLC- DE/NH/RI  
New Cingular Wireless PCS, LLC - NY  
New Cingular Wireless PCS, LLC - PA  
New Jersey State Police  
New Jersey Turnpike Authority-Pkwy Div  
New Jersey, State of -NJ Transit  
New York Communcations CO., Inc  
New York State Electric & Gas Corp  
New York State Police  
New York, City of  
Norfolk Southern Railway  
Northumberland, County of  
OCEAN, COUNTY OF  
Ocean, County of-Div of Wireless Tech.  
Orange Poughkeepsie SMSA LTD Partnership  
Orange and Rockland Utilities, Inc.  
PENNSYLVANIA MICROWAVE NETWORK INC.  
PENNSYLVANIA TURNPIKE COMMISSION  
PIKE COUNTY COMMISSIONERS  
PSEG Services Corporation  
Peco Energy Company  
Pennsylvania Commonwealth State Police  
Pitt Power  
Port Authority of New York & New Jersey  
RCYM Holdings LLC  
SCHUYLKILL, COUNTY OF  
SCRANTON TIMES, LP  
SCTF NET  
SECOM NET  
SOUTHEASTERN PENNSYLVANIA TRANSIT AUTH  
Southeast PA Regional Task Force  
STATE OF NEW JERSEY - OFFICE OF PUBLIC  
SUFFOLK COUNTY WATER AUTHORITY  
SW Networks  
Snyder, County of  
State of Maryland, MIEMSS  
Suffolk, County of  
Texas Eastern Communications, Inc.  
Transcontinental Gas Pipeline Corp.  
Triangle Communications, Inc.  
USCOC of Cumberland, Inc.  
Velox Networks LLC

Company (Continued)

WAYNE COUNTY PENNSYLVANIA  
Weblin Holdings LLC  
Wico, LLC  
Wireless Backhaul Infrastructure, LLC  
World Class Wireless LLC  
York County Dept of Emergency Services  
Zango LLC  
iSignal  
ABC, Inc. - WPVI-TV  
American Broadcasting Companies, Inc  
CBS Broadcasting Inc  
CBS TELEVISION LICENSES LLC  
City of Newark, Police Dept.  
County of Fairfax, Virginia  
DELAWARE STATE - DTI  
Federal Communications Commission  
International Communications Group, Inc  
Information & Display Systems, Inc.  
NATIONAL CABLE SATELLITE CORPORATION  
NBC TELEMUNDO LICENSE CO.  
NBC Telemundo License Co.  
NEW ENGLAND DIGITAL DISTRIBUTION, INC.  
NEW ENGLAND SATELLITE SYSTEMS INC  
New Jersey State Police  
New York Racing Association, Inc  
Orion Consultants, Incorporated  
Philadelphia, City of  
Philadelphia Television Station WPSG  
RCC Minnesota Inc. - MN NE ND SD  
Rainbow News 12 Company  
Time Warner Entertainment Company L.P.  
Commonwealth of Pennsylvania-Radio Proj

LTTS Licensees

Company

Alltel Communications, LLC  
AT&T California  
3G Wireless, LLC  
AERIAL VIDEO SYSTEMS  
ALASCOM, INC.  
Ascent Media Network Services, LLC  
BFI Licenses, LLC  
BROADCAST COMMUNICATIONS INC  
Bellsouth Telecommunications, Inc.  
Borgeson, Tom R.  
Broadcast Sports Inc.  
CNG Communications, Inc.  
Carolina Telephone and Telegraph Co

Company (Continued)

Casper, John  
CenturyTel of the Southwest, Inc.  
Chicago Comnet Corp  
Cincinnati Bell Wireless LLC  
Citywide News Network, Inc.  
Cohen, Elana  
Cowboys Stadium LP  
CP Communications PA, LLC  
DCI II, INC.  
Direct Broadcast Services, Inc.  
GOODYEAR TIRE AND RUBBER COMPANY  
GSN New, Inc  
Global Microwave Systems Inc.  
HF Enterprises, Inc  
Hallco Unlimited, Inc.  
Hawaiian Telcom, Inc.  
Heiden Mr., William  
INDIANA BELL TELEPHONE COMPANY INC  
Illinois Bell Telephone Company  
Information Super Station, LLC  
Kentucky RSA #3 Cellular General Partner  
Kentucky RSA #4 Cellular General Partner  
MERCURY COMMUNICATIONS  
Metro Networks Communications, Inc.  
Metrosat Communications, Inc.  
Michigan Bell Telephone Company  
Moreen, Steven K  
NSM Surveillance  
Navajo Communications Company  
NorthWest Suburbs Community Access Corp  
Ohio Bell Telephone Company  
On Scene Video Production  
Onboard Images  
Penn Service Microwave Co., Inc.  
Plateau Telecommunications, Inc.  
Plum TV, LLC  
Production & Satellite Services, Inc.  
Public Television Communications Center  
QUICK LINK CONNECTIONS INC  
QWEST CORPORATION  
REMOTE FACILITIES CONSULTING SERVICES  
RF Central, LLC  
RF Film, Inc  
RF Technology, LLC  
Radiofone, Inc.  
Randy Hermes Production  
Regulus Media Services, Inc.  
Remote Broadcasts, Inc.  
Southwestern Bell Telephone L.P.  
Speedshotz, Inc  
Total RF Marketing Inc

Company (Continued)

Unisat, Inc  
United Telephone - Southeast  
VERIZON SOUTH INC.  
Verizon California Inc.  
Verizon Delaware, 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

Society of Broadcast Engineers Coordinators

Connecticut – Hartford (Frank Clifford)  
Maryland & DC – James Snyder  
New York – Albany/Schenectady (Fred Lass)  
New York – Binghamton/Central (Dino Ricciardelli)  
New York – Long Island (Bob Wolf)  
New York – NYC Leo Rosenberg  
Pennsylvania – Central (Rick Markey)  
Pennsylvania—Allentown (Barry Fisher)  
Pennsylvania – SE, Delaware, and S. New Jersey (John Arndt)  
Pennsylvania – S. Central (Matt Lightner)  
Pennsylvania – NE (Ron Schacht)

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: 11/04/2011  
Job Number: 111027COMSJC09

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### Administrative Information

Status: TEMPORARY (Operation from 11/22/2011 to 01/22/2012)  
Call Sign: TEMP01  
Licensee Code: RCASTR  
Licensee Name: LOCKHEED MARTIN CORPORATION

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### Site Information

**CARPENTERSVILLE, NEW JERSEY**

Venue Name  
Latitude (NAD 83): 40° 38' 39.4" N  
Longitude (NAD 83): 75° 11' 27.6" W  
Climate Zone: A  
Rain Zone: 2  
Ground Elevation (AMSL): 54.86 m / 180.0 ft

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### Link Information

Satellite Type: Geostationary  
Mode: TO - Transmit-Only  
Modulation: Analog and Digital  
Satellite Arc: 18° W to 132° West Longitude  
Azimuth Range: 112.8° to 246.9°  
Corresponding Elevation Angles: 15.9° / 16.2°  
Antenna Centerline (AGL): 9.14 m / 30.0 ft

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### Antenna Information

Manufacturer: TIW  
Model: 14.2 Meter  
Gain / Diameter: 63.9 dBi / 14.2 m  
3-dB / 15-dB Beamwidth: 0.10° / 0.20°

16K0G2D - 72K0G2D

Max Available RF Power	(dBW/4 kHz)	27.0	20.4
	(dBW/MHz)	33.0	33.0

Maximum EIRP	(dBW/4 kHz)	90.9	84.3
	(dBW/MHz)	96.9	96.9

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

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### Frequency Information

**Transmit 6.7 GHz**  
Emission / Frequency Range (MHz): 16K0G2D - 72K0G2D / 6426.0  
16K0G2D - 72K0G2D / 6428.0

Max Great Circle Coordination Distance: 272.6 km / 169.4 mi  
Precipitation Scatter Contour Radius: 518.4 km / 322.1 mi

# COMSEARCH

## Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147  
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<b>Coordination Values</b>	<b>CARPENTERSVILLE, NJ</b>
Licensee Name	LOCKHEED MARTIN CORPORATION
Latitude (NAD 83)	40° 38' 39.4" N
Longitude (NAD 83)	75° 11' 27.6" W
Ground Elevation (AMSL)	54.86 m / 180.0 ft
Antenna Centerline (AGL)	9.14 m / 30.0 ft
Antenna Model	TIW 14.2 Meter
Antenna Mode	Transmit 6.7 GHz
Interference Objectives: Long Term	-151.0 dBW/4 kHz 20%
Short Term	-128.0 dBW/4 kHz 0.0025%
Max Available RF Power	27.0 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.7 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	3.54	112.22	-10.00	163.91
5	3.44	107.35	-10.00	167.69
10	4.05	102.50	-10.00	153.04
15	4.33	97.62	-10.00	148.50
20	3.97	92.72	-10.00	154.50
25	3.25	87.83	-10.00	172.03
30	3.56	82.95	-10.00	163.30
35	3.60	78.07	-10.00	162.61
40	3.62	73.19	-10.00	161.94
45	3.66	68.31	-10.00	161.18
50	3.42	63.48	-10.00	168.16
55	3.51	58.62	-10.00	164.44
60	3.29	53.83	-10.00	171.18
65	3.08	49.07	-10.00	176.06
70	3.20	44.28	-9.15	177.63
75	3.00	39.61	-7.95	188.34
80	2.76	35.05	-6.62	200.30
85	2.54	30.60	-5.14	210.65
90	2.27	26.37	-3.53	225.52
95	2.23	22.30	-1.71	236.99
100	2.55	18.41	0.38	241.75
105	2.55	15.42	2.29	253.60
110	2.11	14.08	3.29	272.63
115	2.43	13.66	3.61	266.02
120	2.11	15.55	2.21	264.91
125	2.45	18.11	0.55	245.59
130	2.22	21.59	-1.36	239.48
135	2.16	24.80	-2.86	232.05
140	2.65	27.42	-3.95	214.47
145	2.25	30.50	-5.11	217.32
150	2.21	33.07	-5.99	213.71
155	1.91	35.58	-6.78	217.09
160	2.13	37.30	-7.29	208.98
165	2.60	38.39	-7.61	198.71
170	2.41	39.69	-7.97	201.18
175	1.90	40.87	-8.29	209.76
180	1.90	41.11	-8.35	209.46
185	1.85	40.92	-8.30	211.01

# COMSEARCH

## Earth Station Data Sheet

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

### Coordination Values

### CARPENTERSVILLE, NJ

Licensee Name LOCKHEED MARTIN CORPORATION  
Latitude (NAD 83) 40° 38' 39.4" N  
Longitude (NAD 83) 75° 11' 27.6" W  
Ground Elevation (AMSL) 54.86 m / 180.0 ft  
Antenna Centerline (AGL) 9.14 m / 30.0 ft  
Antenna Model TIW 14.2 Meter  
Antenna Mode Transmit 6.7 GHz  
Interference Objectives: Long Term -151.0 dBW/4 kHz 20%  
Short Term -128.0 dBW/4 kHz 0.0025%  
Max Available RF Power 27.0 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.7 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	1.24	40.83	-8.27	229.44
195	1.36	39.56	-7.93	227.38
200	2.31	37.14	-7.25	205.32
205	1.76	35.72	-6.82	221.31
210	1.78	33.43	-6.10	224.37
215	2.34	30.43	-5.08	215.39
220	2.98	27.15	-3.85	207.76
225	4.04	23.36	-2.21	196.11
230	4.93	19.56	-0.29	192.46
235	4.30	16.77	1.39	210.16
240	4.35	13.69	3.59	222.45
245	3.60	12.73	4.38	242.55
250	2.38	14.15	3.23	264.83
255	2.22	16.10	1.83	259.23
260	2.59	18.79	0.15	239.53
265	3.08	22.21	-1.66	217.30
270	2.75	26.53	-3.59	214.16
275	2.58	30.96	-5.27	209.21
280	2.85	35.38	-6.72	197.72
285	3.20	39.91	-8.03	183.38
290	3.81	44.49	-9.21	161.97
295	4.44	49.15	-10.00	146.83
300	5.32	53.85	-10.00	135.33
305	5.47	58.70	-10.00	133.93
310	5.49	63.59	-10.00	133.73
315	5.43	68.49	-10.00	134.31
320	4.59	73.44	-10.00	144.51
325	3.78	78.36	-10.00	158.43
330	3.36	83.25	-10.00	169.69
335	3.12	88.13	-10.00	175.08
340	2.98	93.00	-10.00	178.45
345	3.16	97.87	-10.00	174.21
350	3.35	102.75	-10.00	169.81
355	3.44	107.62	-10.00	167.75

## 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, Virginia 20147

DATED: November 4, 2011