

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Request for STA Using Hagerstown, MD Earth Station E150002 for IS 29e Launch

1. Applicant

Name:	Intelsat License LLC	Phone Number:	703-559-7848
DBA Name:		Fax Number:	703-559-8539
Street:	c/o Intelsat Corporation 7900 Tysons One Place	E-Mail:	susan.crandall@intelsat.com
City:	McLean	State:	VA
Country:	USA	Zipcode:	22102 -5972
Attention:	Susan H. Crandall		



File # SES-STA-20151230-00977

Call Sign _____ Grant Date 1-8-16
(or other identifier)

Term Dates
From: 1-27-16 To: 2-28-15

Approved: [Signature]

Application: Intelsat License LLC
Call Sign: E150002
File No.: SES-STA-20151230-00977
Special Temporary Authority (STA)



File # SES-STA-20151230-00977
E150002
Call Sign E150002 Grant Date 1-8-16
(or other identifier)
Term Dates
From: 1-27-16 To: 2-26-16
Approved: [Signature]

Intelsat License LLC is granted a STA, under the following conditions, for 30 days, beginning January 27, 2016, to use its Hagerstown, Maryland C-band earth station, call sign E150002, to provide launch and early orbit phase (“LEOP”) services for Intelsat 29e (S2913). Also to provide telemetry, tracking, and command (“TT&C”) services at the in-orbit testing (“IOT”) location at 49.7° W.L.; and to drift the satellite from the IOT location to Intelsat 29e’s final location at 50.0° W.L. Intelsat 29e is expected to be launched on January 27, 2016.

1. Intelsat will perform the operations in the uplink frequencies (Earth-to-space): 3701.25 MHz, 3701.75 MHz, 3702.25 MHz and 3702.75 MHz (LHCP, V), and the downlink frequencies (space-to-Earth): 5850.50 MHz, 5853.00 MHz, 6422.00 MHz and 6424.50 MHz, (LHCP, V), within coordinated emission and power limits.

2. During the drift from 49.7° W.L. to the satellite’s permanent orbital location 50° W.L., Intelsat will coordinate with operators of co-frequency satellites in the drift path.

3. All operators of satellites will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs, Currently the 24x7 contact information for the Intelsat 29e mission is as follows: Ph.: (703) 559-7701 - East Coast Operations Center (primary); (310) 525-5591 - West Coast Operations Center (back-up). Request to speak with Harry Burnham or Kevin Bell.

4. All operations under this grant of STA shall be on an unprotected and non-harmful interference basis. Intelsat’s E150002 shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radio communication system.

5. In the event of any harmful interference under this grant of STA, Intelsat License LLC E150002 must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.

6. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License LLC applications.

7. Any action taken or expense incurred as a result of operations pursuant to this STA is solely 'at Intelsat License LLC's risk.

8. This action is issued pursuant to Section 0.261 of the Commission’s rules on delegated authority, 47 C.F.R. §0.261, and is effective immediately.

2. Contact

Name: Cynthia J. Grady **Phone Number:** 703-559-6949
Company: Intelsat Corporation **Fax Number:** 703-559-8539
Street: 7900 Tysons One Place **E-Mail:** susan.crandall@intelsat.com

City: McLean **State:** VA
Country: USA **Zipcode:** 22102 -5972
Attention: **Relationship:** Legal Counsel

(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)

3. Reference File Number or Submission ID

4a. Is a fee submitted with this application?
 If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).
 Governmental Entity Noncommercial educational licensee
 Other (please explain):

4b. Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station

5. Type Request

Use Prior to Grant Change Station Location Other

6. Requested Use Prior Date

7. City Hagerstown **8. Latitude** (dd mm ss.s h) 39 35 53.9 N

9. State MD	10. Longitude (dd mm ss.s h) 77 45 23.0 W
11. Please supply any need attachments. Attachment 1: STA Request Attachment 2: Exhibit A Attachment 3:	
12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.) <div style="border: 1px solid black; padding: 5px;"> <p>Intelsat License LLC ('Intelsat') herein requests a grant of Special Temporary Authority ('STA') for 30 days, commencing January 27, 2016, to use its Hagerstown, Maryland C-band earth station -- call sign E150002 -- to provide launch and early orbit phase ('LEOP') services for Intelsat 29e; telemetry, tracking, and command ('TT&C') during in-orbit</p> </div>	
13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application"; for these purposes. Yes <input checked="" type="radio"/> No <input type="radio"/>	
14. Name of Person Signing Cynthia J. Grady	15. Title of Person Signing Regulatory Counsel, Intelsat Corporation
WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).	

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

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THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

12. Description

Intelsat License LLC ('Intelsat') herein requests a grant of Special Temporary Authority ('STA') for 30 days, commencing January 27, 2016, to use its Hagerstown, Maryland C-band earth station -- call sign E150002 -- to provide launch and early orbit phase ('LEOP') services for Intelsat 29e; telemetry, tracking, and command ('TT&C') during in-orbit testing ('IOT') at 49.7 W.L.; and TT&C during the drift of Intelsat 29e to its final location at 50.0 W.L. Intelsat 29e is expected to be launched on January 27, 2016.

December 30, 2015

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

Re: Request for Special Temporary Authority
Hagerstown, Maryland Earth Station E150002

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)¹ for 30 days, commencing January 27, 2016, to use its Hagerstown, Maryland C-band earth station—call sign E150002—to provide launch and early orbit phase (“LEOP”) services for Intelsat 29e; telemetry, tracking, and command (“TT&C”) during in-orbit testing (“IOT”) at 49.7° W.L.; and TT&C during the drift of Intelsat 29e to its final location of 50.0° W.L.² Intelsat 29e is expected to be launched on January 27, 2016. The LEOP period is expected to last approximately 18 days; IOT and drift are expected to last approximately 45 days and 5 days, respectively.

The proposed operations will be performed using the following frequencies: 3701.25 MHz, 3701.75 MHz, 3702.25 MHz, and 3702.75 MHz in the uplink (LHCP, V); and 5850.5 MHz, 5853.0 MHz, 6422.0 MHz, and 6424.5 MHz in the downlink (LHCP, V). The proposed operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path, the drift path, or are potentially affected by these operations at the IOT location.³ All operators of potentially affected satellites will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs.

The 24x7 contact information for the Intelsat 29e mission is as follows:

Ph.: (703) 559-7701 – East Coast Operations Center (primary)
(310) 525-5591 – West Coast Operations Center (back-up)

Request to speak with Harry Burnham or Kevin Bell.

¹ Intelsat has filed its STA request, an FCC Form 159, a \$195.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

² See *Policy Branch Information; Actions Taken*, Report No. SAT-01086, File No. SAT-LOA-20130722-0097 (May 22, 2015) (Public Notice).

³ Intelsat will handle the coordination.

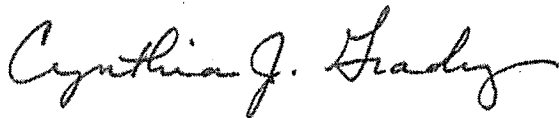
Ms. Marlene H. Dortch
December 30, 2015
Page 2

In further support of this request, Intelsat hereby attaches Exhibit A, which contains technical information that demonstrates that the operation of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility. Intelsat also notes that for purposes of the Intelsat 29e LEOP mission, IOT, and drift, it is seeking to operate in the frequencies listed in the request at power levels not to exceed 31.0 dBW. In the extremely unlikely event that harmful interference should occur due to transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

Grant of this STA request will allow Intelsat to help launch and test the Intelsat 29e satellite. This, in turn, will help ensure continuity of service at the 50.0° W.L. orbital location and thereby promotes the public interest.

Please direct any questions regarding this STA request to the undersigned at (703) 559-6949.

Respectfully submitted,

A handwritten signature in cursive script that reads "Cynthia J. Grady".

Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for
Intelsat License LLC
HAGERSTOWN, MD
(E150002)
Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147
December 24, 2015

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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.

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 11/30/2015.

Company

256Q Networks
AB Services LLC
AT&T COMMUNICATIONS OF MARYLAND INC
AT&T Communications of Virginia, LLC
AT&T Corporation
AT&T Wireless Services 3 LLC (PA)
AWC Networks
Access MLP Operating LLC
Adams County Department of Emergency Svc
Affiniti PA, LLC
Agile Network Builders LLC
Allentown SMSA Limited Partnership
Alltel Communications LLC - Ohio Region
Alltel Communications LLC - Western PA
Alltel Communications LLC-E OH WV
Alltel Communications LLC-Southern VA
Alltel Communications LLC-TriState Rgn
American Electric Power Service Co
Appalachia Engineering Services
Appalachian Broadcasting
Argos Engineering, LLC
Atlantic Broadband (Penn), LLC
Atlantic City Electric Company
Atlantic, County of
Auburn Data Systems, LLC
Augusta, County of
BAY BROADBAND COMMUNICATIONS LLC
BLAIR COUNTY 911
Baltimore County of Maryland
Baltimore Gas and Electric Company
Beaver Springs Faith Baptist Church, Inc
Bedford, County of
Believe Wireless, LLC
Berks County Department of Emergency Ser
Blue Ridge Carriers
Blueline Communications
CLEARFIELD, COUNTY OF
CNG Transmission Corporation
CROWN COMMUNICATION, INC.
Cambria, County of

Capital Communications of America
Caroline County, VA
Carroll, County of
Cellco Partnership - Bridgeville, PA/WV
Cellco Partnership - Southern Virginia
Cellco Partnership- PA Region
Cellco Partnership-WDC/Baltimore
Cellco Prtnrshp - Phil. Tri-State Rgn
Centre, County of
Charles, County of
Chester, County of
China Cat Productions LLC
Citynet
Clinton, County of
Columbia Gas Transmission Corporation
Commonwealth of Pennsylvania
Commonwealth of Pennsylvania-Radio Proj.
Comprehensive Wireless LLC
Conterra Ultra Broadband, LLC
Coral Reef Technologies Ltd
Coralinks
County of Burlington, Public Safety Cntr
County of Camden
County of Fayette
County of Frederick
County of Lycoming
County of York
DAUPHIN COUNTY EMERGENCY MANAGEMENT
Delaware County (PA) Emergency Services
Delaware Division of Communications
Delmarva Broadcasting Company
Delmarva Power and Light Company
ECW Wireless, LLC
EG Broadcast Newco Corp
Eastern MLG LLC
Electric Railroad, LLC
Enoch Pratt Free Library
Exelon Generation Company, LLC
FELHC, INC
Frederick County
Fundamental Broadcasting LLC
GREAT SCOTT BROADCASTING
GW Networks
Garden State Transmissions
Geodesic Networks LLC
Gloucester, County of
Greene, County of (PA)
Hanover, County of
Hardy Cellular Telephone Company
Harrisonburg-Rockingham ECC
High Voltage Communications LLC (CFN)
Huntingdon, County of
Indiana, County of
JEFFERSON COUNTY OF PENNSYLVANIA
Jefferson Microwave, LLC
Juniata County Emergency Services

Kentucky Power Company
King and Queen County
Kryptick Technologies
Lancaster County-Wide Communications
Limitless Mobile, LLC
Live Mobile Group
Loudoun, County of
MGW Networks, LLC
MVC Research. LLC
Maryland Public Broadcasting Commission
Maryland State Highway Administration
Maryland, State of - Dept.of Info & Tech
Montgomery County Of
National Tower Company LLC
New Cingular Wireless PCS LLC -NJ
New Cingular Wireless PCS - Maryland
New Cingular Wireless PCS LLC - Ohio
New Cingular Wireless PCS LLC - VA
New Cingular Wireless PCS LLC- WV/NC/SC
New Cingular Wireless PCS LLC-DE/NH/RI
New Cingular Wireless PCS, LLC - PA
New Jersey Turnpike Authority-Pkwy Div
New Jersey, State of -NJ Transit
New Line Networks, LLC
Norfolk Southern Railway
Northumberland, County of
OHIO POWER COMPANY
OHIO VALLEY ELECTRIC COMPANY
Old Dominion LLC
PA Communications
PEG Bandwidth, LLC
PRESTON COUNTY OFFICE OF EMERGENCY MANAG
PSEG Services Corporation
Peco Energy Company
Penn Service Microwave Co., Inc.
Pennsylvania Turnpike Commission
Peoples Natural Gas Company LLC
Pitt Power
Pittsburgh SMSA Limited Partnership
Prince George's County
Prince William, County of
RAPPAHANNOCK ELECTRIC COOPERATIVE
Radio One Inc
Rendezvous Communications LLC
Rural Broadband Network Services LLC
SCS Networks
SCTF NET
SHENANDOAH VALLEY ELECTRIC COOPERATIVE
SW Networks
Somerset, County of
Southern Maryland Electric Cooperative I
Spotsylvania, County of
Sprint Spectrum L.P.
Sprintcom, Inc
St. Mary's County of (MD)
Stafford, County of

Standard Backhaul Communications LLC
State of Maryland, MIEMSS
Texas Eastern Communications, LLC
Thought Transmissions, LLC
Torelco LLC
Transcontinental Gas Pipeline Corp.
Turtle Networks 6562
US Cellular Operating Company, LLC (WI)
USCOC of Cumberland, Inc.
USCOC of Virginia RSA #3, Inc.
USOC of Pennsylvania RSA No 10 B2 Inc.
Verizon Maryland, Inc.
Verizon Wireless (VAW) LLC - Delaware/NJ
Verizon Wireless (VAW) LLC - Maryland
Verizon Wireless (VAW) LLC - W/B/V Mkts
Verizon Wireless (VAW) LLC-Pennsylvania
Verizon Wireless VAW LLC - West Virginia
Verizon Wireless VAW LLC-Southern VA
Virginia RSA 5 Limited Partnership
Virginia Broadband, LLC
Virginia Cellular LLC
Virginia Department of State Police
Virginia Electric & Power Company
Virginia PCS Alliance, L.C.
WHEELING POWER COMPANY
WITF Inc.
WV DHHR BPH, Office of EMS, Com. Div.
Washington D.C. SMSA L.P.
Washington Gas Light Company
Washington Suburban Sanitary Commission
Washington, County of
Weblin Holdings LLC
West Virginia Educational Broadcasting
Wireless Internetwork LLC
World Class Wireless, LLC
YAB Mobile
iSignal
xWave Engineering LLC

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: 12/24/2015
Job Number: 151130COMSGE08

Administrative Information

Status ENGINEER PROPOSAL
Call Sign E150002
Licensee Code INTELS
Licensee Name Intelsat License LLC

Site Information

HAGERSTOWN, MD
Venue Name
Latitude (NAD 83) 39° 35' 53.5" N
Longitude (NAD 83) 77° 45' 23.0" W
Climate Zone A
Rain Zone 2
Ground Elevation (AMSL) 169.99 m / 557.7 ft

Link Information

Satellite Type Geostationary
Mode TO - Transmit-Only
Modulation Digital
Satellite Arc 6° W to 149° West Longitude
Azimuth Range 101.9° to 257.8°
Corresponding Elevation Angles 5.3° / 5.7°
Antenna Centerline (AGL) 10.67 m / 35.0 ft

Antenna Information

Transmit - FCC32
Manufacturer General Dynamics
Model 16.4 meter
Gain / Diameter 59.0 dBi / 16.4 m
3-dB / 15-dB Beamwidth 0.19° / 0.40°

Max Available RF Power (dBW/4 kHz) 7.2
(dBW/MHz) 31.2

Maximum EIRP (dBW/4 kHz) 66.2
(dBW/MHz) 90.2

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) 850KFXD - 1M20FXD / 6422.0 - 6424.5

Max Great Circle Coordination Distance 567.8 km / 352.8 mi
Precipitation Scatter Contour Radius 432.7 km / 268.8 mi

COMSEARCH

Earth Station Data Sheet

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

Coordination Values		HAGERSTOWN, MD
Licensee Name		Intelsat License LLC
Latitude (NAD 83)		39° 35' 53.5" N
Longitude (NAD 83)		77° 45' 23.0" W
Ground Elevation (AMSL)		169.99 m / 557.7 ft
Antenna Centerline (AGL)		10.67 m / 35.0 ft
Antenna Model		General Dynamics 16.4 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		7.2 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	101.82	-10.00	207.22
5	0.00	96.84	-10.00	207.22
10	0.00	91.86	-10.00	207.22
15	0.00	86.88	-10.00	207.22
20	0.00	81.90	-10.00	207.22
25	0.00	76.92	-10.00	207.22
30	0.00	71.95	-10.00	207.22
35	0.00	66.97	-10.00	207.22
40	0.00	62.00	-10.00	207.22
45	0.00	57.03	-10.00	207.22
50	0.00	52.06	-10.00	207.22
55	0.00	47.10	-9.82	207.90
60	0.00	42.14	-8.62	212.71
65	0.00	37.19	-7.26	218.31
70	0.00	32.26	-5.72	224.96
75	0.00	27.35	-3.92	233.05
80	0.00	22.47	-1.79	243.16
85	0.00	17.66	0.83	255.75
90	0.00	12.98	4.17	274.27
95	0.00	8.67	8.55	301.48
100	0.00	5.62	13.26	567.78
105	0.00	6.15	12.27	400.30
110	0.00	9.60	7.45	294.31
115	0.00	13.27	3.93	272.88
120	0.00	16.89	1.31	258.30
125	0.00	20.41	-0.75	248.30
130	0.00	23.83	-2.43	240.08
135	0.00	27.11	-3.83	233.48
140	0.00	30.23	-5.01	228.10
145	0.00	33.14	-6.01	223.68
150	0.00	35.82	-6.85	220.05
155	0.00	38.20	-7.55	217.09
160	0.00	40.26	-8.12	214.73
165	0.00	41.93	-8.56	212.93
170	0.00	43.16	-8.88	211.66
175	0.00	43.92	-9.07	210.90
180	0.00	44.18	-9.13	210.65
185	0.00	43.92	-9.07	210.90

COMSEARCH

Earth Station Data Sheet

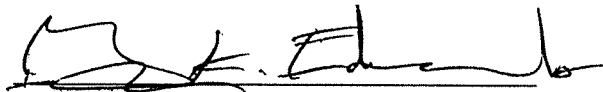
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Coordination Values	HAGERSTOWN, MD
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Antenna Model	General Dynamics 16.4 meter
Antenna Mode	Transmit 6.1 GHz
Interference Objectives: Long Term	-154.0 dBW/4 kHz 20%
Short Term	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power	7.2 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	43.16	-8.88	211.66
195	0.00	41.93	-8.56	212.93
200	0.00	40.26	-8.12	214.73
205	0.00	38.20	-7.55	217.09
210	0.00	35.81	-6.85	220.05
215	0.00	33.14	-6.01	223.68
220	0.00	30.22	-5.01	228.11
225	0.00	27.11	-3.83	233.48
230	0.00	23.83	-2.43	240.07
235	0.00	20.42	-0.75	248.29
240	0.00	16.89	1.31	258.32
245	0.00	13.28	3.92	272.86
250	0.00	9.59	7.46	294.38
255	0.00	6.33	11.96	411.68
260	0.00	6.10	12.36	549.87
265	0.00	9.18	7.93	297.41
270	0.00	13.46	3.78	272.01
275	0.00	18.10	0.56	254.33
280	0.00	22.90	-1.99	242.17
285	0.00	27.76	-4.09	232.30
290	0.00	32.66	-5.85	224.37
295	0.00	37.59	-7.38	217.83
300	0.00	42.53	-8.72	212.31
305	0.00	47.48	-9.91	207.56
310	0.00	52.43	-10.00	207.22
315	0.00	57.40	-10.00	207.22
320	0.00	62.36	-10.00	207.22
325	0.00	67.33	-10.00	207.22
330	0.00	72.31	-10.00	207.22
335	0.00	77.28	-10.00	207.22
340	0.00	82.25	-10.00	207.22
345	0.00	87.23	-10.00	207.22
350	0.00	92.20	-10.00	207.22
355	0.00	97.18	-10.00	207.22

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: December 24, 2015