

KA275 SES-STA-20170607-00629 IB2017001502
Intelsat License LLC

Approved by OMB
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
STA Request to Use Hagerstown, MD Earth Station (KA275) to Provide LEOP and Other Services for Intelsat 35e Satellite

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-20170607-00629
Call Sign KA275 Grant Date 6-21-17
(or other identifier)
Term Dates From: 6-21-17 To: 7-26-17
Approved: [Signature]

Applicant: Intelsat License LLC
File No.: SES-STA-20170607-00629
Call Sign: KA275
Special Temporary Authority (STA)



File # SES-STA-20170607-00629
KA275
Call Sign KA275 Grant Date 6-21-17
(or other identifier)
Term Dates
From: 6-26-17 To: 7-26-17
Approved: [Signature]

Intelsat License, LLC, is granted a special temporary authority for 30 days, beginning June 26, 2017, to operate its fixed earth station in Hagerstown, Maryland, call-sign KA275, to provide launch and early orbit phase (“LEOP”) services for Intelsat 35e satellite; telemetry, tracking, and command (“TT&C”) during in-orbit testing (“IOT”) at 33.0° W.L.; TT&C during the drift of Intelsat 35e to its final location of 34.5° W.L.; and TT&C on-station at 34.5° W.L., using the following center frequencies: 5853.00 MHz and 6424.50 MHz (LHCP/V) (Earth-to-space), and 4197.75 MHz, 4198.25 MHz, 4198.75 MHz, and 4199.25 MHz (LHCP/H) (space-to-Earth) under the following conditions:

1. All operations must be within the coordinated emission and power limits.
2. During the drift to the satellite’s permanent orbital location 34.5° 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 35e 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 KA275 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, KA275, 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 grant is issued pursuant to Section 0.261 of the Commission’s rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.

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:	cynthia.grady@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?			
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).			
<input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee			
<input type="radio"/> Other (please explain):			
4b. Fee Classification CGX - Fixed Satellite Transmit/Receive Earth Station			
5. Type Request			
<input type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other			
6. Requested Use Prior Date			
7. City Hagerstown			
8. Latitude (dd mm ss.s h) 39 35 55.0 N			

9. State MD	10. Longitude (dd mm ss.s h) 77 45 35.0 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;">Intelsat License LLC requests a grant of special temporary authority for 30 days, commencing June 26, 2017, to use its Hagerstown, MD earth station (call sign KA275) to provide launch and early orbit phase and other services for the Intelsat 35e satellite.</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.



INTELSAT

Envision. Connect. Transform.

June 7, 2017

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 KA275

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)¹ for 30 days, commencing June 26, 2017, to use its Hagerstown, Maryland C-band earth station—call sign KA275—to provide launch and early orbit phase (“LEOP”) services for Intelsat 35e; telemetry, tracking, and command (“TT&C”) during in-orbit testing (“IOT”) at 33.0° W.L.; TT&C during the drift of Intelsat 35e to its final location of 34.5° W.L.; and TT&C on-station at 34.5° W.L.² Intelsat 35e is expected to be launched on June 26, 2017. The LEOP, IOT, and drift are expected to last approximately 30 days.

The proposed operations will be performed using the following frequencies: 6424.5 MHz, and 5853.0 MHz in the uplink (LHCP/V); and 4197.75 MHz, 4198.25 MHz, 4198.75 MHz, and 4199.25 MHz in the downlink (LHCP/H). 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.

¹ Intelsat has filed its STA request, an FCC Form 159, a \$200.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

² The permanent orbital location for Intelsat 35e will be at 34.5° W.L. *See Policy Branch Information; Actions Taken*, Report No. SAT-01191, SAT-LOA-20160408-00034 (Oct. 7, 2016) (Public Notice). The in-orbit testing location will be 33.0° W.L. *See Policy Branch Information; Actions Taken, Public Notice*, Report No. SAT-01223, File No. SAT-STA-20170314-00050 (Mar. 17, 2017) (Public Notice).

³ Intelsat will handle the coordination.

Ms. Marlene H. Dortch
June 7, 2017
Page 2

The 24x7 contact information for the Intelsat 35e 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.

The proposed TT&C operations at 34.5° W.L. will be consistent with Intelsat's coordination agreements for the nominal 34.5° W.L. orbital location. In the unlikely event that harmful interference occurs, Intelsat will take all necessary steps to eliminate the interference.

In further support of this request, Intelsat herewith 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. 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 35e satellite. This, in turn, will help provide additional capacity to customers at the 34.5° 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,

/s/ 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
Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147
March 08, 2017

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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 02/01/2017.

Company

256Q Networks
AB Services LLC
AT&T Communications of Virginia, LLC
AT&T Corp.
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
Albermarle, County of, Virginia
Allentown SMSA Limited Partnership
Alltel Communications LLC - Western PA
Alltel Communications LLC-E OH WV
American Electric Power Service Corp
Appalachia Engineering Services
Argos Engineering, LLC
Atlantic Broadband (Penn), LLC
Atlantic City Electric Company
Atlantic, County of
Augusta, County of
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.
Calvert, County of
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 Communications Inc.
Centre, County of
Charles, County of
Chester, County of
City of Fredericksburg
Citynet
Clinton, County of
Columbia Gas Transmission, LLC
Columbia, County
Commonwealth of Pennsylvania
Commonwealth of Pennsylvania-Radio Proj.
Comprehensive Wireless LLC
Conterra Ultra Broadband, LLC
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
Eastern MLG LLC
Electric Railroad, LLC
Enoch Pratt Free Library
Exelon Generation Company, LLC
FELHC, INC
Federal Communication Commission
Frederick County
Fulton County of (PA)
Fundamental Broadcasting LLC
GETWIRELESS.NET
GREAT SCOTT BROADCASTING
Garden State Transmissions
Gloucester, County of
Greene, County of (PA)
HUNTINGDON COUNTY, PA
Hanover, County of
Hardy Cellular Telephone Company
Hardy County OEM/E911
Harrisonburg-Rockingham ECC
Henrico County
High Voltage Communications LLC (CFN)
Indiana, County of
JEFFERSON COUNTY OF PENNSYLVANIA
Jackson County West Virginia
Jefferson Microwave, LLC
Juniata County Emergency Services
Kentucky Power Company

King and Queen County
Kryptick Technologies
Lancaster County-Wide Communications
Limitless Mobile, LLC
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 - DC
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 DPS/911
OHIO POWER COMPANY
OHIO VALLEY ELECTRIC COMPANY
Old Dominion LLC
PA Communications
PRESTON COUNTY OFFICE OF EMERGENCY MANAG
PSEG Services Corporation
Peco Energy Company
Pennsylvania Turnpike Commission
Peoples Natural Gas Company LLC
Pepco Holdings Inc.
Perry, County of
Perseus Technology Holdings USA Inc.
Pittsburgh SMSA Limited Partnership
Prince George's County
Prince William, County of
Radio One Inc
Rappahannock Electric Cooperative
Rockbridge Reg. Pub Safety Comm Ctr
Rural Broadband Network Services LLC
SCS Networks
SHENANDOAH VALLEY ELECTRIC COOPERATIVE
SW Networks
Shenandoah Personal Communications, LLC
Somerset, County of
South Central Task Force (SCTFNET)
Southern Maryland Electric Cooperative I
Spotsylvania, County of
Sprintcom, Inc
St. Mary's County of (MD)
Stafford, County of
State of Maryland, MIEMSS

T-Mobile License LLC
Texas Eastern Communications, LLC
Thought Transmissions, LLC
Torellco LLC
Transcontinental Gas Pipeline Corp.
US Cellular Operating Company, LLC (WI)
USCOC of Cumberland, Inc.
USCOC of Virginia RSA #3, Inc.
USOC of Pennsylvania RSA No 10 B2 Inc.
Uniti Fiber PEG, LLC
Verizon Maryland, Inc.
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 Department of State Police
Virginia Electric & Power Company
WHEELING POWER COMPANY
WV DHHR BPH, Office of EMS, Com. Div.
Washington Gas Light Company
Washington Suburban Sanitary Commission
Washington, County of
Weblin Holdings LLC
West Virginia Educational Broadcasting
Westmoreland, County of
Wicomico County
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: 02/01/2017
Job Number: 170201COMSGE04

Administrative Information

Status ENGINEER PROPOSAL
Call Sign TEMP04
Licensee Code INTELS
Licensee Name Intelsat License LLC

Site Information

HAGERSTOWN, MD
Venue Name
Latitude (NAD 83) 39° 35' 54.7" N
Longitude (NAD 83) 77° 45' 35.3" W
Climate Zone A
Rain Zone 2
Ground Elevation (AMSL) 171.3 m / 562.0 ft

Link Information

Satellite Type Geostationary
Mode TO - Transmit-Only
Modulation Analog and 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) 12.5 m / 41.0 ft

Antenna Information

Transmit - FCC32
Manufacturer TIW (GD Satcom)
Model 19 meter
Gain / Diameter 59.1 dBi / 19.0 m
3-dB / 15-dB Beamwidth 0.20° / 0.40°

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

Maximum EIRP (dBW/4 kHz) 66.3
(dBW/MHz) 90.3

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) 800KFXD - 1M20FXD / 5853.0 and 6424.5

Max Great Circle Coordination Distance 568.7 km / 353.4 mi
Precipitation Scatter Contour Radius 431.6 km / 268.1 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' 54.7" N	
Longitude (NAD 83)	77° 45' 35.3" W	
Ground Elevation (AMSL)	171.3 m / 562.0 ft	
Antenna Centerline (AGL)	12.5 m / 41.0 ft	
Antenna Model	TIW 19 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	101.81	-10.00	207.10
5	0.00	96.84	-10.00	207.10
10	0.00	91.86	-10.00	207.10
15	0.00	86.88	-10.00	207.10
20	0.00	81.90	-10.00	207.10
25	0.00	76.92	-10.00	207.10
30	0.00	71.95	-10.00	207.10
35	0.00	66.97	-10.00	207.10
40	0.00	62.00	-10.00	207.10
45	0.00	57.03	-10.00	207.10
50	0.00	52.06	-10.00	207.10
55	0.00	47.09	-9.82	207.79
60	0.00	42.14	-8.62	212.59
65	0.00	37.19	-7.26	218.19
70	0.00	32.26	-5.72	224.84
75	0.00	27.34	-3.92	232.91
80	0.00	22.47	-1.79	243.02
85	0.00	17.65	0.83	255.60
90	0.00	12.98	4.17	274.11
95	0.00	8.66	8.56	301.31
100	0.00	5.61	13.27	568.75
105	0.00	6.15	12.28	400.64
110	0.00	9.60	7.45	294.11
115	0.00	13.27	3.93	272.70
120	0.00	16.89	1.31	258.14
125	0.00	20.41	-0.75	248.15
130	0.00	23.83	-2.43	239.94
135	0.00	27.11	-3.83	233.34
140	0.00	30.23	-5.01	227.97
145	0.00	33.14	-6.01	223.55
150	0.00	35.82	-6.85	219.92
155	0.00	38.20	-7.55	216.96
160	0.00	40.26	-8.12	214.61
165	0.00	41.93	-8.56	212.81
170	0.00	43.16	-8.88	211.54
175	0.00	43.92	-9.07	210.78
180	0.00	44.18	-9.13	210.53
185	0.00	43.92	-9.07	210.78

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147

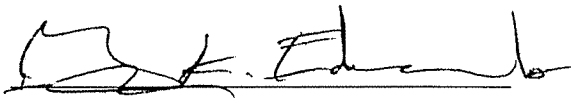
(703)726-5500 <http://www.comsearch.com>

Coordination Values	HAGERSTOWN, MD
Licensee Name	Intelsat License LLC
Latitude (NAD 83)	39° 35' 54.7" N
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Antenna Model	TIW 19 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	211.54
195	0.00	41.93	-8.56	212.81
200	0.00	40.26	-8.12	214.61
205	0.00	38.20	-7.55	216.96
210	0.00	35.81	-6.85	219.92
215	0.00	33.14	-6.01	223.55
220	0.00	30.22	-5.01	227.97
225	0.00	27.11	-3.83	233.34
230	0.00	23.83	-2.43	239.93
235	0.00	20.42	-0.75	248.14
240	0.00	16.89	1.31	258.16
245	0.00	13.28	3.92	272.68
250	0.00	9.59	7.46	294.19
255	0.00	6.33	11.96	411.89
260	0.00	6.11	12.35	547.44
265	0.00	9.18	7.93	297.19
270	0.00	13.46	3.77	271.82
275	0.00	18.11	0.55	254.16
280	0.00	22.90	-2.00	242.02
285	0.00	27.76	-4.09	232.16
290	0.00	32.66	-5.85	224.24
295	0.00	37.59	-7.38	217.70
300	0.00	42.53	-8.72	212.18
305	0.00	47.48	-9.91	207.44
310	0.00	52.44	-10.00	207.10
315	0.00	57.40	-10.00	207.10
320	0.00	62.37	-10.00	207.10
325	0.00	67.34	-10.00	207.10
330	0.00	72.31	-10.00	207.10
335	0.00	77.28	-10.00	207.10
340	0.00	82.26	-10.00	207.10
345	0.00	87.23	-10.00	207.10
350	0.00	92.21	-10.00	207.10
355	0.00	97.18	-10.00	207.10

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: March 08, 2017