

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Request for Special Temporary Authority to Use Hagerstown, MD Earth Station E000296 to Provide Provide TT&C Services During
LEOP, IOT, and Drift for Intelsat 37e 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 20170804-00873
 E000296 **Grant Date** 8/31/17
 Call Sign (or other identifier)
 Term Dates
 From: 8/31/17 To: 9/30/17
 Approved: [Signature]

Applicant: Intelsat License LLC
Call Sign: E000296
File No.: SES-STA-20170804-00873
Special Temporary Authority (STA)



File # SES-STA-20170804-00873
Call Sign E000296 Grant Date 8-31-17
(or other identifier)
Term Dates
From: 8-31-17 To: 9-30-17
Approved: Paul E. Hayes

Intelsat License LLC is granted STA, for 30 days, commencing August 31, 2017, to operate its fixed earth station at 39° 35' 54.0" N.L./077° 45' 35.0" W.L. in Hagerstown, Maryland to provide launch and early orbit phase ("LEOP") services for satellite Intelsat 37e; telemetry, tracking, and command ("TT&C") functions during in-orbit testing ("IOT") at 17.5° W.L.; and TT&C functions during the drift of satellite Intelsat 37e to its final orbital location of 18° W.L. All operations will be in the 6421.5-6425.0 MHz, and 5850.0-5853.5 MHz (LHCP/ V) (Earth-to-space) frequency bands and on the following center frequencies: 4197.75 MHz, 4189.25 MHz, 4198.75 MHz, and 4199.25 MHz (LHCP/H) (space-to-Earth). All operations are authorized under the following conditions:

1. Operations will not exceed the operation power levels and parameters requested and coordinated.
2. Intelsat will coordinate the proposed IOT operations at IOT location 17.5° W.L. with operators of co-frequency satellites within six degrees. During the drift from 17.5° W.L. to the satellite's permanent orbital location 18° W.L., Intelsat will coordinate with operators of co-frequency satellites in the drift path.
3. The LEOP operations must be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path. All operators of satellites in that path 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 37e 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. Operations, shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference.
5. In the event of any harmful interference under this grant of STA, Intelsat License LLC E000296 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:** 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?

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 54.0 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;"> <p>Intelsat License LLC herein requests a grant of Special Temporary Authority for 30 days, commencing August 31, 2017, to use its Hagerstown, Maryland C-band earth station, call sign E000296 to provide launch and early orbit phase services for Intelsat 37e; telemetry, tracking, and command during in-orbit testing at 17.5 W.L; and TT&C during the drift of</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. | <p style="text-align: center;">Yes <input checked="" type="radio"/> No <input type="radio"/></p> |
| 14. Name of Person Signing Cynthia J. Grady | 15. Title of Person Signing Regulatory Counsel, Intelsat Corporation |
| <p style="text-align: center;">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).</p> | |

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 herein requests a grant of Special Temporary Authority for 30 days, commencing August 31, 2017, to use its Hagerstown, Maryland C-band earth station, call sign E000296 to provide launch and early orbit phase services for Intelsat 37e; telemetry, tracking, and command during in-orbit testing at 17.5 W.L; and TT&C during the drift of Intelsat 37e to its final location of 18.0 W.L. Intelsat 37e is expected to be launched on August 31, 2017.

August 4, 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 E000296

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)¹ for 30 days, commencing August 31, 2017, to use its Hagerstown, Maryland C-band earth station—call sign E000296—to provide launch and early orbit phase (“LEOP”) services for Intelsat 37e; telemetry, tracking, and command (“TT&C”) during in-orbit testing (“IOT”) at 17.5° W.L; and TT&C during the drift of Intelsat 37e to its final location of 18.0° W.L. Intelsat 37e is expected to be launched on August 31, 2017.² The LEOP, IOT, and drift are expected to last approximately 70 days.

The proposed operations will be performed using the following frequencies and frequency bands: 6421.5-6425.0 MHz, and 5850.0-5853.5 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 37e will be at 18.0° W.L. *See Policy Branch Information; Actions Taken*, Report No. SAT-01243, File No. SAT-LOA-20160915-00089 (June 9, 2017) (Public Notice). The in-orbit testing location will be 17.5° W.L. *See Policy Branch Information; Satellite Space Applications Accepted for Filing*, Report No. SAT-01255, File No. SAT-STA-20170718-00105 (July 28, 2017) (Public Notice).

Ms. Marlene H. Dortch
August 4, 2017
Page 2

The 24x7 contact information for the Intelsat 37e mission is as follows:

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

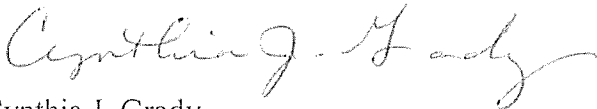
Request to speak with Harry Burnham or Kevin Bell.

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 37e satellite. This, in turn, will help provide additional capacity to customers at the 18.0° 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,



Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais

Prepared By

COMSEARCH

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

Prepared For
Intelsat License LLC
Hagerstown, Maryland

Temporary Transmit-Only Earth Station
Operation Dates: 08/31/2017 - 09/30/2017

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 July 5, 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
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
Appalachian Power Company
Aratika LLC
Argos Engineering, LLC
Atlantic Broadband (Penn), LLC
Atlantic City Electric Company
Atlantic, County of
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
Blair County 911
Blue Ridge Carriers
Blueline Communications
CNG Transmission Corporation
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
Clearfield, County of
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 Augusta
County of Camden
County of Culpeper
County of Fayette
County of Frederick
County of Lycoming
County of York
DSRC Networks
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
Essex, County of
Exelon Generation Company, LLC
FELHC, Inc.
Federal Communication Commission
Frederick County
Fulton County of (PA)
Fundamental Broadcasting LLC
Garden State Transmissions
Getwireless.Net
Gloucester, County of
Great Scott Broadcasting
Greene, County of (PA)
Hanover, County of
Hardy Cellular Telephone Company
Hardy County OEM/E911
Harrisonburg-Rockingham ECC
High Voltage Communications LLC (CFN)
Huntingdon County, Pa
Indiana, County of

Jackson County West Virginia
Jefferson County of Pennsylvania
Jefferson Microwave, LLC
Juniata County Emergency Services
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 II, LLC
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 - 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
Old Dominion LLC
PA Communications
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
Preston County Office of Emergency Manag
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
SW Networks
Shenandoah Personal Communications, LLC
Shenandoah Valley Electric Cooperative
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
WV DHHR BPH, Office of Ems, Com. Div.
Warrenton Fauquier Joint Communications
Washington Gas Light Company
Washington Suburban Sanitary Commission
Washington, County of
Weblin Holdings LLC
Westmoreland, County of
Wheeling Power Company
Wicomico County
Wireless Internetwork LLC
World Class Wireless, LLC
YAB Mobile
iSignal
xWave Engineering LLC

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

The following section presents the data pertinent to frequency coordination of the 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: 07/05/2017
 Job Number: 170705COMSGE04

Administrative Information

Status: TEMPORARY (Operation from 08/31/2017 to 09/30/2017)
 Call Sign: E000296
 Licensee Code: INTELS
 Licensee Name: Intelsat License LLC

Site Information **HAGERSTOWN, MD**

Venue Name
 Latitude (NAD 83): 39° 35' 54.0" N
 Longitude (NAD 83): 77° 45' 35.0" W
 Climate Zone: A
 Rain Zone: 2
 Ground Elevation (AMSL): 173.74 m / 570.0 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): 5.79 m / 19.0 ft

Antenna Information **Transmit - FCC32**

Manufacturer: Vertex
 Model: 9 KPC
 Gain / Diameter: 53.5 dBi / 9.0 m
 3-dB / 15-dB Beamwidth: 0.36° / 0.67°

Max Available RF Power (dBW/4 kHz): 6.7
 (dBW/MHz): 30.7

Maximum EIRP (dBW/4 kHz): 60.2
 (dBW/MHz): 84.2

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 / 6421.5 - 6425.0

Max Great Circle Coordination Distance: 501.2 km / 311.4 mi
 Precipitation Scatter Contour Radius: 411.9 km / 255.9 mi

| Coordination Values | | HAGERSTOWN, MD | |
|--------------------------|------------|----------------------|---------|
| Licensee Name | | Intelsat License LLC | |
| Latitude (NAD 83) | | 39° 35' 54.0" N | |
| Longitude (NAD 83) | | 77° 45' 35.0" W | |
| Ground Elevation (AMSL) | | 173.74 m / 570.0 ft | |
| Antenna Centerline (AGL) | | 5.79 m / 19.0 ft | |
| Antenna Model | | Vertex 9 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 | | 6.7 (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 | 205.18 |
| 5 | 0.00 | 96.84 | -10.00 | 205.18 |
| 10 | 0.00 | 91.86 | -10.00 | 205.18 |
| 15 | 0.00 | 86.88 | -10.00 | 205.18 |
| 20 | 0.00 | 81.90 | -10.00 | 205.18 |
| 25 | 0.00 | 76.92 | -10.00 | 205.18 |
| 30 | 0.00 | 71.95 | -10.00 | 205.18 |
| 35 | 0.00 | 66.97 | -10.00 | 205.18 |
| 40 | 0.00 | 62.00 | -10.00 | 205.18 |
| 45 | 0.00 | 57.03 | -10.00 | 205.18 |
| 50 | 0.00 | 52.06 | -10.00 | 205.18 |
| 55 | 0.00 | 47.09 | -9.82 | 205.85 |
| 60 | 0.00 | 42.14 | -8.62 | 210.58 |
| 65 | 0.00 | 37.19 | -7.26 | 216.10 |
| 70 | 0.00 | 32.26 | -5.72 | 222.65 |
| 75 | 0.00 | 27.34 | -3.92 | 230.62 |
| 80 | 0.00 | 22.47 | -1.79 | 240.60 |
| 85 | 0.00 | 17.65 | 0.83 | 253.00 |
| 90 | 0.00 | 12.98 | 4.17 | 271.22 |
| 95 | 0.00 | 8.66 | 8.56 | 298.05 |
| 100 | 0.00 | 5.61 | 13.27 | 501.18 |
| 105 | 0.00 | 6.15 | 12.28 | 366.51 |
| 110 | 0.00 | 9.60 | 7.45 | 290.94 |
| 115 | 0.00 | 13.27 | 3.93 | 269.83 |
| 120 | 0.00 | 16.89 | 1.31 | 255.49 |
| 125 | 0.00 | 20.41 | -0.75 | 245.67 |
| 130 | 0.00 | 23.83 | -2.43 | 237.56 |
| 135 | 0.00 | 27.11 | -3.83 | 231.05 |
| 140 | 0.00 | 30.23 | -5.01 | 225.74 |
| 145 | 0.00 | 33.14 | -6.01 | 221.39 |
| 150 | 0.00 | 35.82 | -6.85 | 217.80 |
| 155 | 0.00 | 38.20 | -7.55 | 214.89 |
| 160 | 0.00 | 40.26 | -8.12 | 212.57 |
| 165 | 0.00 | 41.93 | -8.56 | 210.80 |
| 170 | 0.00 | 43.16 | -8.88 | 209.55 |
| 175 | 0.00 | 43.92 | -9.07 | 208.80 |
| 180 | 0.00 | 44.18 | -9.13 | 208.55 |
| 185 | 0.00 | 43.92 | -9.07 | 208.80 |

| | | |
|------------------------------------|-----------------------|---------|
| Coordination Values | HAGERSTOWN, MD | |
| Licensee Name | Intelsat License LLC | |
| Latitude (NAD 83) | 39° 35' 54.0" N | |
| Longitude (NAD 83) | 77° 45' 35.0" W | |
| Ground Elevation (AMSL) | 173.74 m / 570.0 ft | |
| Antenna Centerline (AGL) | 5.79 m / 19.0 ft | |
| Antenna Model | Vertex 9 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 | 6.7 (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 | 209.55 |
| 195 | 0.00 | 41.93 | -8.56 | 210.80 |
| 200 | 0.00 | 40.26 | -8.12 | 212.57 |
| 205 | 0.00 | 38.20 | -7.55 | 214.89 |
| 210 | 0.00 | 35.81 | -6.85 | 217.81 |
| 215 | 0.00 | 33.14 | -6.01 | 221.39 |
| 220 | 0.00 | 30.22 | -5.01 | 225.75 |
| 225 | 0.00 | 27.11 | -3.83 | 231.05 |
| 230 | 0.00 | 23.83 | -2.43 | 237.55 |
| 235 | 0.00 | 20.42 | -0.75 | 245.66 |
| 240 | 0.00 | 16.89 | 1.31 | 255.51 |
| 245 | 0.00 | 13.28 | 3.92 | 269.81 |
| 250 | 0.00 | 9.59 | 7.46 | 291.02 |
| 255 | 0.00 | 6.33 | 11.96 | 373.85 |
| 260 | 0.00 | 6.11 | 12.35 | 483.42 |
| 265 | 0.00 | 9.18 | 7.93 | 293.98 |
| 270 | 0.00 | 13.46 | 3.77 | 268.96 |
| 275 | 0.00 | 18.11 | 0.55 | 251.58 |
| 280 | 0.00 | 22.90 | -2.00 | 239.61 |
| 285 | 0.00 | 27.76 | -4.09 | 229.88 |
| 290 | 0.00 | 32.66 | -5.85 | 222.06 |
| 295 | 0.00 | 37.59 | -7.38 | 215.62 |
| 300 | 0.00 | 42.53 | -8.72 | 210.18 |
| 305 | 0.00 | 47.48 | -9.91 | 205.51 |
| 310 | 0.00 | 52.44 | -10.00 | 205.18 |
| 315 | 0.00 | 57.40 | -10.00 | 205.18 |
| 320 | 0.00 | 62.37 | -10.00 | 205.18 |
| 325 | 0.00 | 67.34 | -10.00 | 205.18 |
| 330 | 0.00 | 72.31 | -10.00 | 205.18 |
| 335 | 0.00 | 77.28 | -10.00 | 205.18 |
| 340 | 0.00 | 82.26 | -10.00 | 205.18 |
| 345 | 0.00 | 87.23 | -10.00 | 205.18 |
| 350 | 0.00 | 92.21 | -10.00 | 205.18 |
| 355 | 0.00 | 97.18 | -10.00 | 205.18 |

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.

BY: 

Gary K. Edwards
Senior Manager
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147

DATED: August 4, 2017