

Exhibit A

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: 10/01/2018 - 04/01/2019

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 August 17, 2018.

Company

AT&T Corp.
Adams County Department of Emergency Svc
Affiniti PA, LLC
Appalachia Engineering Services
Argos Engineering, LLC
Atlantic Broadband (Penn), LLC
Baltimore County of Maryland
Baltimore Gas and Electric Company
Bedford County of
Believe Wireless, LLC
Blair County 911
CBS Radio of Maryland, LLC
Capital Communications of America
Carroll, County of
Cellco Partnership-WDC/Baltimore
Commonwealth of Pennsylvania-Radio Proj.
Comprehensive Wireless LLC
County of Culpeper
County of Frederick
County of York
Dauphin County Emergency Management
ECW Wireless, LLC
Eastern MLG LLC
Enoch Pratt Free Library
FELHC, Inc.
Federal Communication Commission
Fulton County PA
Fundamental Broadcasting LLC
GTT America LLC
Garden State Transmissions
Hardy Cellular Telephone Company
Hardy County OEM/E911
Huntingdon, County of
Juniata County Emergency Services
Lancaster County-Wide Communications
Loudoun, County of

Maryland Public Broadcasting Commission
Maryland State Highway Administration
Maryland, State of - Dept.of Info & Tech
Mifflin County
Montgomery, County of
New Cingular Wireless PCS - Maryland
New Cingular Wireless PCS LLC - VA
New Cingular Wireless PCS LLC - WV,NC,SC
New Cingular Wireless PCS, LLC - PA
Norfolk Southern Railway
Pennsylvania Turnpike Commission
Perry, County of
Prince George's County
Prince William, County of
Radio License Holding CBC, LLC
Radio One Inc
Rappahannock Electric Cooperative
Shenandoah Personal Communications, LLC
Shenandoah Valley Electric Cooperative
South Central Task Force (SCTFNET)
State of Maryland, MIEMSS
T-Mobile License LLC
Texas Eastern Communications, LLC
Thought Transmissions, LLC
Transcontinental Gas Pipeline Corp.
US Cellular Operating Company, LLC (WI)
USCOC of Cumberland, Inc.
USOC of Pennsylvania RSA No 10 B2 Inc.
Uniti Fiber PEG, LLC
Ursa Navigation Solutions, Inc.
Verizon Wireless (VAW) LLC - W/B/V Mkts
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
Williamson Enterprise LLC
World Class Wireless, LLC
iSignal

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: 08/17/2018
Job Number: 180817COMSGE04

Administrative Information

Status TEMPORARY (Operation from 10/01/2018 to 04/01/2019)
Call Sign TEMP04
Licensee Code INTELS
Licensee Name Intelsat License LLC

Site Information **HAGERSTOWN, MD**

Venue Name
Latitude (NAD 83) 39° 35' 56.8" N
Longitude (NAD 83) 77° 45' 23.0" W
Climate Zone A
Rain Zone 2
Ground Elevation (AMSL) 165.08 m / 541.6 ft

Link Information

Satellite Type Geostationary
Mode TO - Transmit-Only
Modulation Digital
Satellite Arc 103° W to 103° West Longitude
Azimuth Range 216.5° to 216.5°
Corresponding Elevation Angles 37.3° / 37.3°
Antenna Centerline (AGL) 5.49 m / 18.0 ft

Antenna Information

Transmit - FCC32
Manufacturer Gen Dynamics/Satcom Tech
Model 9 meter
Gain / Diameter 53.7 dBi / 9.0 m
3-dB / 15-dB Beamwidth 0.38° / 0.78°

Max Available RF Power (dBW/4 kHz) -21.2
(dBW/MHz) 2.8

Maximum EIRP (dBW/4 kHz) 32.5
(dBW/MHz) 56.5

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) 23M0G7W / 6305.0

Max Great Circle Coordination Distance 117.5 km / 73.0 mi
Precipitation Scatter Contour Radius 100.0 km / 62.1 mi

Coordination Values	HAGERSTOWN, MD
Licensee Name	Intelsat License LLC
Latitude (NAD 83)	39° 35' 56.8" N
Longitude (NAD 83)	77° 45' 23.0" W
Ground Elevation (AMSL)	165.08 m / 541.6 ft
Antenna Centerline (AGL)	5.49 m / 18.0 ft
Antenna Model	General Dynamics/Satcom Tech 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	-21.2 (dBW/4 kHz)

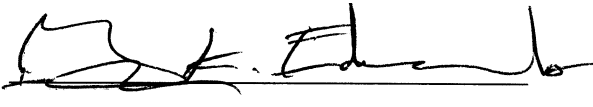
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	0.34	129.99	-10.00	102.69
5	0.59	133.15	-10.00	100.00
10	0.49	135.80	-10.00	100.00
15	0.38	138.09	-10.00	100.00
20	0.32	140.02	-10.00	104.75
25	0.32	141.55	-10.00	104.38
30	0.32	142.56	-10.00	104.50
35	0.30	143.00	-10.00	105.97
40	0.47	143.05	-10.00	100.00
45	0.57	142.46	-10.00	100.00
50	0.33	141.00	-10.00	103.28
55	0.41	139.35	-10.00	100.00
60	0.25	137.07	-10.00	110.00
65	0.28	134.58	-10.00	107.45
70	0.25	131.74	-10.00	109.84
75	0.28	128.68	-10.00	107.50
80	0.27	125.39	-10.00	108.41
85	0.31	121.96	-10.00	105.32
90	0.00	118.24	-10.00	114.00
95	0.00	114.56	-10.00	114.00
100	0.00	110.79	-10.00	114.00
105	0.00	106.95	-10.00	114.00
110	0.00	103.05	-10.00	114.00
115	0.00	99.12	-10.00	114.00
120	0.00	95.16	-10.00	114.00
125	0.00	91.18	-10.00	114.00
130	0.00	87.21	-10.00	114.00
135	0.00	83.24	-10.00	114.00
140	0.00	79.28	-10.00	114.00
145	0.00	75.36	-10.00	114.00
150	0.00	71.49	-10.00	114.00
155	0.00	67.67	-10.00	114.00
160	0.00	63.94	-10.00	114.00
165	0.00	60.30	-10.00	114.00
170	0.00	56.78	-10.00	114.00
175	0.00	53.41	-10.00	114.00
180	0.00	50.22	-10.00	114.00
185	0.00	47.27	-9.86	114.34

Coordination Values	HAGERSTOWN, MD
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Antenna Model	General Dynamics/Satcom Tech 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	-21.2 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	0.30	44.35	-9.17	107.70
195	0.00	42.23	-8.64	117.48
200	0.41	39.90	-8.02	102.58
205	0.26	38.51	-7.64	115.05
210	0.41	37.35	-7.31	104.42
215	0.39	36.90	-7.18	105.87
220	0.68	36.73	-7.13	100.00
225	0.60	37.51	-7.35	100.00
230	0.69	38.67	-7.68	100.00
235	0.82	40.29	-8.13	100.00
240	0.82	42.47	-8.70	100.00
245	1.13	44.80	-9.28	100.00
250	1.22	47.62	-9.94	100.00
255	1.24	50.74	-10.00	100.00
260	1.22	54.10	-10.00	100.00
265	1.01	57.71	-10.00	100.00
270	0.90	61.39	-10.00	100.00
275	0.82	65.16	-10.00	100.00
280	0.73	69.00	-10.00	100.00
285	0.70	72.89	-10.00	100.00
290	0.62	76.84	-10.00	100.00
295	0.50	80.82	-10.00	100.00
300	0.41	84.81	-10.00	100.00
305	0.41	88.81	-10.00	100.00
310	0.46	92.81	-10.00	100.00
315	0.52	96.81	-10.00	100.00
320	0.50	100.79	-10.00	100.00
325	0.36	104.71	-10.00	101.23
330	0.34	108.60	-10.00	103.03
335	0.54	112.49	-10.00	100.00
340	0.44	116.23	-10.00	100.00
345	0.43	119.89	-10.00	100.00
350	0.35	123.40	-10.00	102.43
355	0.46	126.85	-10.00	100.00

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: 

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Senior Manager
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Ashburn, VA 20147

DATED: August 30, 2018