

Exhibit C

Prepared By

COMSEARCH

21515 Ridgetop Circle, Suite 300
Sterling, Va. 20166
(703)726-5500 <http://www.comsearch.com>

Prepared For

Intelsat License LLC Hagerstown, Maryland

Temporary Transmit-Only Earth Station
Operation Dates: 09/30/2022 - 03/30/2023

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 September 17, 2022.

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 09/17/2022.

Company

AQ2AT LLC
AT&T Corp.
AT&T Mobility Spectrum LLC-GA/WV/NC/SC
AT&T Wireless Services 3 LLC - PA
Access MLP Operating LLC
Adams County Department of Emergency Svc
Affiniti PA, LLC
Agile Network Builders LLC
Albemarle, County of
Allentown SMSA Limited Partnership
American Electric Power Service Corp
Anne Arundel, County of
Appalachian Power Company
Atlantic Broadband (Penn), LLC
Atlantic, County of
BAE Systems Information & Electronic Sys
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
Blueline Communications
Broadcom Corporation
Bucks County Dept. of Emergency Comm

CNX Midstream, LLC
Calvert, County of
Cambria, County of
Cameron County Office of Emergency Servi
Caroline County, VA
Carroll, County of
Cellco Partnership - Bridgeville, PA/WV
Cellco Partnership- PA Region
Cellco Partnership-Southern VA, North NC
Cellco Partnership-WDC/Baltimore
Cellco Prtnrshp - Phil. Tri-State Rgn
Centre, County of
Charles, County of
Chester, County of
Chesterfield, County of
City of Fredericksburg
Citynet Holdings, LLC
Citynet, LLC
Clarion, County of
Clearfield, County of
Clinton, County of
Columbia, County
Commonwealth of Pennsylvania
Commonwealth of Pennsylvania-Radio Proj.
Comprehensive Wireless LLC
Conterra Ultra Broadband, LLC
County of Augusta
County of Burlington, Public Safety Cntr
County of Camden
County of Culpeper
County of Fayette
County of King William, Virginia
County of Orange, VA
County of Shenandoah
County of York (PA)
Cumberland Cnty Office of Emergency Mgmt
DC2A LLC
DELAWARE RIVER PORT AUTHORITY
Dauphin County Emergency Management
Delaware County (PA) Emergency Services
Delaware Division of Communications
ELK COUNTY
East Ohio Gas Company
Eastern Gas Transmission and Storage, In
Electric Railroad, LLC
Enoch Pratt Free Library
Entercom License, LLC
Essex, County of
Everstream Solutions LLC
Exelon Generation Company, LLC
FELHC, Inc.
FM Radio License, LLC
Federal Communication Commission
Franklin County Dept. of Emergency Servi
Frederick County, MD
Fulton County PA

Fundamental Broadcasting LLC
GWETA, Inc.
Garden State Transmissions
Getwireless.Net
Gloucester, County of
Goochland County
Greene, County of (PA)
Hanover, County of
Hardy Cellular Telephone Company
Hardy County OEM/E911
Harrisonburg-Rockingham ECC
Henrico County
High Voltage Communications LLC (CFN)
Huntingdon, County of
In The Stix Broadband LLC
Indiana, County of
Jefferson County of Pennsylvania
Juniata County Emergency Services
Kentucky Power Company
King and Queen County
Lancaster County-Wide Communications
Limitless Mobile, LLC
Loudoun, County of
MGW Networks, LLC
Marshall, County of WV
Maryland Public Broadcasting Commission
Maryland State Highway Administration
Maryland, State of - Dept.of Info & Tech
Mifflin County
Mifflin County Wireless
Montgomery County Of
Montgomery, County of
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 - PA
New Jersey, Division of State Police
New Jersey, State of -NJ Transit
New Line Networks, LLC
Norfolk Southern Railway Company
Northumberland County DPS/911
Notthisagain LLC
Ohio Valley Electric Company
PSEG Services Corporation
Page, County of (VA)
Peco Energy Company
Pennsylvania Turnpike Commission
Peoples Natural Gas Company LLC
Perry, County of
Preston County Office of Emergency Manag
Prince George's County
Prince William, County of
Radio License Holding CBC, LLC
Radio One Inc

Rappahannock Electric Cooperative
Rockbridge Reg. Pub Safety Comm Ctr
Rural Broadband Network Services LLC
Rural Broadband, LLC
Schuylkill, County of
Shenandoah Cable Television, LLC
Shenandoah Valley Electric Cooperative
Snyder, County of
Somerset County, Maryland
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
The Voice Radio, LLC
Thought Transmissions, LLC
Transcontinental Gas Pipe Line Co., LLC
US Cellular Operating Company, LLC (WI)
USCOC of Cumberland, Inc.
USCOC of Virginia RSA #3, Inc.
USOC of Pennsylvania RSA No 10 B2 Inc.
Union, County Of
Uniti Fiber LLC
Ursa Navigation Solutions, Inc.
Verizon Maryland, Inc.
Virginia Department of State Police
Virginia Electric & Power Company
WBOC, Inc.
WV DHSEM, SIRN System
Warrenton Fauquier Joint Communications
Washington Gas Light Company
Washington Suburban Sanitary Commission
Washington, County of
Webline Holdings LLC
West Virginia Educational Broadcasting
Westmoreland, County of
Wheeling Power Company
Wicomico County
Williamson Enterprise LLC
Wireless Internetwork LLC
iSignal
xWave Engineering LLC

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: 09/17/2022
Job Number: 220917COMSGE01

Administrative Information

Status: TEMPORARY (Operation from 09/30/2022 to 03/30/2023)
Call Sign: TEMP03
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 Meter
Gain / Diameter: 53.5 dBi / 9.0 m
3-dB / 15-dB Beamwidth: 0.36° / 0.67°

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

Maximum EIRP (dBW/4 kHz): 60.7
(dBW/MHz): 84.7

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): 1M00F2D / 6421.0
1M00F2D / 6423.5

Max Great Circle Coordination Distance: 507.1 km / 315.0 mi
Precipitation Scatter Contour Radius: 431.6 km / 268.1 mi

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Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
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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	7.2 (dBW/4 kHz)

Transmit 6.1 GHz				
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	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	507.05
105	0.00	6.15	12.28	371.03
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

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Earth Station Data Sheet

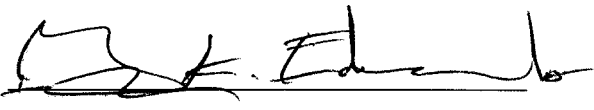
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Coordination Values	HAGERSTOWN, MD
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Antenna Model	Vertex 9 meter
Antenna Mode	Transmit 6.1 GHz
Interference Objectives: Long Term	-154.0 dBW/4 kHz 20%
Short Term	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power	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	378.50
260	0.00	6.11	12.35	489.18
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

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
21515 Ridgetop Circle, Suite 300
Sterling, VA 20166

DATED: September 22, 2022