

Narrative Request for Special Temporary Authority

Viasat, Inc. hereby requests special temporary authority (“STA”) for thirty (30) days to operate the 1.8 m and 2.4 m earth stations identified in Attachment 1 (collectively, the “Earth Stations”) in the fixed-satellite service (“FSS”) with the ViaSat-3 class satellite at 79.0° W.L. (referred to as “VIASAT-79W” or “ViaSat-3F2”) as a satellite point of communication.¹ The Earth Stations would operate in portions of the Ka band under the technical parameters specified in Attachment 1.

Viasat is authorized to serve the United States market with the ViaSat-3F2 satellite at the 79.0° W.L. orbital location.² Grant of this STA request would serve the public interest for all the reasons underlying the Commission’s grant of U.S. market access for the ViaSat-3F2 satellite. Authorizing Viasat to operate these gateway-type Earth Stations at the fixed locations identified in Attachment 1 would enable Viasat to more rapidly deploy capacity to help satisfy the growing demand for satellite-powered broadband services throughout the United States.³

All operations with the ViaSat-3F2 satellite under the requested STA would be consistent with the Commission’s regulatory framework for the Ka band, the parameters specified in Attachment 1, and the parameters specified in Viasat’s grant for market access for ViaSat-3F2. Each of the Earth Stations is already operational and authorized to communicate with the ViaSat-3F1 satellite at the 88.9° W.L. orbital location. As such, Viasat is essentially requesting temporary authority to “repoint” each of the Earth Stations to the 79.0° W.L. orbital location.⁴ Furthermore, Viasat notes that it has completed coordination of each of the Earth Stations across an orbital arc that includes the 79.0° W.L. orbital location, which further limits any risk of harmful interference.

Viasat would operate pursuant to the STA on a non-protected, non-harmful interference basis. In the unlikely event of harmful interference caused by Viasat’s operations under the STA, Viasat would take steps to eliminate such interference, including termination of transmissions if needed. The U.S. point of contact available 24 hours a day, seven days a week, with authority and ability to cease emissions is:

349 Inverness Drive South
Englewood, CO 80112
Tel: 720-493-7300

¹ See 47 C.F.R. § 25.120.

² See Viasat, Inc., Call Sign S3113, ICFS File No. SAT-PPL-20211207-00172. While Viasat’s petition for market access refers to the VIASAT-79W satellite, Viasat subsequently clarified that this would be the ViaSat-3F2 satellite.

³ Viasat refers to these gateway-type earth stations as satellite access nodes, or “SANs.”

⁴ Viasat intends to add the ViaSat-3F2 satellite as an authorized point of communication for each of the Earth Stations identified in Attachment 1 through future applications.

Attachment 1
Technical Parameters for SANs

Emission Designator	464MG7D and 500MG7D
Uplink Bandwidth	Up to 600 MHz per carrier
Uplink Frequencies (MHz)	27.5-28.6 GHz, 29.5-30 GHz
Uplink Polarization	LHCP and RHCP
Antenna Gain	52.5 dBi (1.8 m) 53.1 dBi (2.4 m)
Maximum Uplink EIRP per Carrier (dBW)	67.6 dBW (1.8 m) 68.2 dBW (2.4 m)
Maximum Uplink EIRP Density per Carrier (dBW/4 kHz)	17.6 dBW/4kHz*
Emission Designator	464MG7D and 500MG7D
Downlink Bandwidth	Up to 600 MHz per carrier
Downlink Frequencies (MHz)	17.7-18.8 GHz, 19.7-20.2 GHz
Downlink Polarization	LHCP and RHCP
Maximum Downlink EIRP per Carrier (dBW)	63 dBW
Maximum Downlink EIRP Density per Carrier (dBW/4 kHz)	12.5 dBW/4kHz
Satellite Point of Communication	ViaSat-3F2
Satellite Call Sign	S3113
Satellite Location	79.0° W.L.

* Where a SAN site under this STA is at the same site as an existing SAN authorization with a lower maximum uplink EIRP density, operations at that site under this STA will be limited to currently authorized EIRP density values at the site.

SAN Sites

City/State	County	Latitude	Longitude	Antenna	Call Sign*
Chamblee, GA	DeKalb	33 55 06.14N	084 17 46.96W	1.8	E210056
Douglasville, GA	Douglas	33 42 08.64N	084 46 13.18W	1.8	E210058
Bremen, GA	Haralson	33 44 27.02N	085 04 52.21W	1.8	E210067
Cedartown, GA	Polk	34 05 30.10N	085 14 34.06W	1.8	E210068
Lyerly, GA	Chattooga	34 22 36.10N	085 22 18.82W	1.8	E210063
Calhoun, GA	Gordon	34 28 51.22N	084 56 12.10W	2.4	E210064
Cartersville, GA	Bartow	34 09 36.52N	084 47 36.08W	2.4	E210065
Rock Spring, GA	Walker	34 48 54.63N	085 14 33.76W	2.4	E210066
Dalton, GA	Whitfield	34 46 52.49N	084 53 13.97W	2.4	E210202
Chattanooga, TN	Hamilton	35 01 55.23N	085 17 49.95W	2.4	E210095
Edinburg, VA	Shenandoah	38 50 31.43N	078 33 19.77W	2.4	E210099
Staunton, VA	Augusta	38 02 28.22N	079 07 33.12W	1.8	E210098
Lexington, VA	Rockbridge	37 45 40.84N	079 24 10.28W	2.4	E210094
Bedford, VA	Bedford County	37 19 21.07N	079 32 15.55W	2.4	E210325
Glade Hill, VA	Franklin County	37 00 38.38N	79 47 00.14W	1.8	E210097
Beaver, PA	Beaver	40 40 57.97N	080 21 10.99W	2.4	E210096
Triadelphia, WV	Ohio	40 02 38.10N	080 36 07.22W	1.8	E210312
Saint Clairsville, OH	Belmont	40 04 55.84N	080 56 21.29W	1.8	E210072
Bloomington, OH	Jefferson	40 20 33.12N	080 48 43.77W	1.8	E210128
Sherrods, OH	Carroll	40 30 19.24N	081 14 58.22W	1.8	E210054
Quaker City, OH	Guernsey	40 00 21.85N	081 18 07.90W	1.8	E210074
Lisbon, OH	Columbiana	40 41 49.54N	080 40 32.71W	2.4	E210075
Boardman, OH	Mahoning	41 00 11.62N	080 39 16.81W	1.8	E210073

* Call Signs are associated with existing authorizations to operate earth stations with the ViaSat-3F1 satellite and are included for informational purposes. Viasat does not seek to change operations authorized under these Call Signs through this STA request.

City/State	County	Latitude	Longitude	Antenna	Call Sign*
Clarington, OH	Monroe	39 40 13.06N	080 52 54.99W	1.8	E210076
Newcomerstown, OH	Tuscarawas	40 15 16.37N	081 32 56.59W	2.4	E210077
Newark, OH	Licking	40 04 07.28N	082 18 57.94W	1.8	E210078
Howard, OH	Knox	40 25 16.29N	082 19 13.43W	1.8	E210079
Caldwell, OH	Noble	39 44 12.15N	081 31 20.57W	2.4	E210080
Stockport, OH	Morgan	39 32 50.03N	081 48 43.43W	1.8	E210081
Marietta, OH	Washington	39 26 36.45N	081 26 26.71W	1.8	E210083
Hebron, OH	Licking	39 57 32.71N	082 31 39.58W	1.8	E210085
Orient, OH	Pickaway	39 41 51.77N	083 06 40.45W	1.8	E210084
Logan, OH	Hocking	39 33 20.80N	082 27 25.33W	1.8	E210087
Jacksonville, OH	Athens	39 28 41.64N	082 05 06.71W	1.8	E210086
Kingston, OH	Ross	39 28 38.27N	082 56 49.33W	1.8	E210088
Albany, OH	Meigs	39 10 29.37N	082 17 17.39W	2.4	E210171
Jackson, OH	Jackson	39 02 54.85N	082 37 41.96W	1.8	E210188
Greenfield, OH	Highland	39 20 50.92N	083 23 00.21W	2.4	E210186
Pomeroy, OH	Meigs	39 03 35.24N	082 00 37.54W	1.8	E210141
Waverly, OH 4569	Ross	39 12 24.27N	082 59 06.68W	1.8	E210211
Thurman, OH 4568	Jackson	38 54 39.67N	082 27 21.29W	2.4	E210249
Coolville, OH	Athens	39 12 43.13N	081 50 36.77W	1.8	E210187
Hillsboro, OH	Highland	39 13 51.04N	083 36 43.49W	1.8	E210134
Seaman, OH	Adams	38 56 23.36N	083 34 50.29W	2.4	E210154
Ironton, OH	Lawrence	38 32 21.67N	082 40 29.23W	1.8	E210250
Batavia, OH	Clermont	39 04 53.12N	084 09 04.77W	2.4	E210210
Gallipolis, OH	Gallia	38 48 14.61N	082 13 56.38W	1.8	E210178
Georgetown, OH	Brown	38 51 38.69N	083 53 12.49W	2.4	E210157
Stout, OH	Adams	38 40 08.37N	083 23 49.18W	2.4	E210176
Marysville, OH	Union	40 09 27.09N	083 14 02.20W	2.4	E210174
Bellefontaine, OH	Logan	40 21 07.97N	083 46 08.99W	2.4	E210162
Waynesfield, OH	Auglaize	40 37 46.27N	083 58 23.04W	1.8	E210135

City/State	County	Latitude	Longitude	Antenna	Call Sign*
Sidney, OH	Shelby	40 15 53.91N	084 04 25.48W	1.8	E210136
Van Wert, OH	Van Wert	40 51 00.77N	084 35 15.78W	1.8	E210296
Bluffton, OH	Hancock	40 55 30.75N	083 49 14.78W	2.4	E210143
Van Buren, OH	Hancock	41 08 03.77N	083 38 58.80W	1.8	E210159
Decatur, IN	Adams	40 48 13.80N	084 52 49.86W	1.8	E210160
Bowling Green, OH	Wood	41 21 19.91N	083 36 37.76W	2.4	E210237
Monroe, MI	Monroe	41 52 21.02N	083 26 17.37W	1.8	E210321
Wauseon, OH	Fulton	41 32 50.42N	084 09 28.50W	1.8	E210161
Port Clinton, OH	Ottawa	41 32 20.74N	083 02 14.64W	2.4	E210177
Sandusky, OH	Erie	41 25 54.49N	082 42 10.53W	2.4	E210195
Bryan, OH	Williams	41 28 18.68N	084 36 17.74W	2.4	E210196
Lorain, OH	Lorain	41 25 08.08N	082 09 39.92W	1.8	E210163
Cleveland, OH	Cuyahoga	41 31 38.97N	081 39 13.99W	2.4	E210197
Chesterland, OH	Geauga	41 31 31.03N	081 19 34.73W	2.4	E210184
Akron, OH	Summit	41 08 13.21N	081 35 44.81W	2.4	E210216
Geneva, OH	Ashtabula	41 49 08.80N	080 53 36.89W	2.4	E210200
Diamond, OH	Portage	41 05 54.80N	081 01 28.46W	2.4	E210243
Kinsman, OH	Trumbull	41 26 35.40N	080 33 26.78W	1.8	E210245
Waterford, PA	Erie	42 02 11.12N	080 01 03.84W	1.8	E210182
Sunbury, OH	Delaware	40 15 02.87N	082 51 22.38W	2.4	E210204
Marion, OH	Marion	40 33 14.66N	083 06 49.86W	2.4	E210185
West Milton, OH	Miami	39 56 53.96N	084 21 16.60W	1.8	E210246
Eaton, OH	Preble	39 45 25.58N	084 38 15.46W	2.4	E210247
Williamsburg, IN	Wayne	39 55 23.85N	084 57 14.19W	1.8	E210165
Cincinnati, OH	Hamilton	39 07 25.61N	084 41 15.85W	1.8	E210166
Hampton, GA	Henry	33 25 51.39N	084 17 50.09W	1.8	E210437
Barnesville, GA	Lamar	33 03 14.18N	084 10 13.01W	1.8	E210248
Macon, GA	Bibb	32 51 05.77N	083 40 38.13W	1.8	E210280
Elko, GA	Houston	32 20 58.85N	083 41 21.87W	1.8	E210172

City/State	County	Latitude	Longitude	Antenna	Call Sign*
Cordele, GA	Crisp	31 54 16.42N	083 45 45.79W	1.8	E210297
Tifton, GA	TIFT	31 26 17.54N	083 30 24.08W	2.4	E210397
Franklin, IN	Johnson	39 31 23.99N	086 08 56.27W	1.8	E210131
Martinsville, IN	Morgan	39 25 25.04N	086 25 28.45W	2.4	E210205
Bloomington, IN	Monroe	39 10 26.52N	086 33 16.18W	1.8	E210209
Odon, IN	Daviess	38 53 54.56N	086 55 26.81W	1.8	E210191
Loogootee, IN	Martin	38 33 53.88N	086 54 12.69W	1.8	E210192
Huntingburg, IN	Dubois	38 17 56.27N	086 57 59.14W	2.4	E210130
Oakland City, IN	Gibson	38 20 24.32N	087 22 12.88W	2.4	E210055
Newburgh, IN	Warrick	37 57 59.97N	087 22 39.01W	1.8	E210183
Greenfield, IN	Hancock	39 46 58.29N	085 47 39.45W	2.4	E210288
St Paul, IN	Decatur	39 24 35.61N	085 34 25.30W	2.4	E210287
Greensburg, IN	Decatur	39 19 19.55N	085 19 36.50W	2.4	E210286
Columbus, IN	Bartholomew	39 09 46.32N	085 55 30.23W	1.8	E210212
Madison, IN	Jefferson	38 45 43.38N	085 27 00.64W	1.8	E210285
Brookville, IN	Franklin	39 25 30.37N	084 59 32.62W	1.8	E210284
Seymour, IN	Scott	38 40 55.79N	085 48 15.93W	1.8	E210170
Jeffersonville, IN	Clark	38 19 02.42N	085 43 04.27W	1.8	E210153
Milltown, IN	Harrison	38 20 17.44N	086 16 12.67W	1.8	E210164
Birdseye, IN	Dubois	38 19 21.15N	086 41 42.14W	1.8	E210281
Pittsboro, IN	Hendricks	39 51 02.97N	086 27 44.98W	1.8	E210167
Crawfordsville, IN	Montgomery	40 00 58.38N	086 53 34.18W	2.4	E210190
Greencastle, IN	Putnam	39 41 22.63N	086 52 21.87W	1.8	E210213
Brazil, IN	Clay	39 33 43.66N	087 07 19.88W	1.8	E210169
Terre Haute, IN	Vigo	39 27 02.24N	087 19 54.98W	2.4	E210226
Jasonville, IN	Greene	39 09 58.95N	087 11 10.35W	1.8	E210358
Frankfort, IN	Clinton	40 13 58.81N	086 39 21.82W	1.8	E210156
Frankfort, IN	Clinton	40 25 52.82N	086 23 56.88W	1.8	E210346
Delphi, IN	Carroll	40 33 15.26N	086 41 42.61W	2.4	E210349

City/State	County	Latitude	Longitude	Antenna	Call Sign*
Muncie, IN	Delaware	40 13 02.02N	085 24 24.65W	2.4	E210229
St. Joseph, IN	Allen	41 09 26.70N	085 03 44.35W	2.4	E210283
Churubusco, IN	Whitley	41 15 40.40N	085 22 47.88W	2.4	E210317
Warsaw, IN	Kosciusko	41 15 39.91N	085 51 12.60W	2.4	E210270
Crown Point, IN	Lake	41 19 22.16N	087 21 19.15W	1.8	E210155
Chesterton, IN	Porter	41 37 33.36N	087 06 46.17W	1.8	E210175
LaPorte, IN	LaPorte	41 36 55.81N	086 43 17.37W	1.8	E210173
Elkhart, IN	Elkhart	41 40 35.37N	085 58 55.56W	2.4	E210292
Monee, IL	Will	41 27 38.00N	087 44 38.70W	2.4	E210443
Kankakee, IL	Kankakee	41 07 24.36N	087 51 43.46W	2.4	E210314
Ashkum, IL,	Iroquois	40 54 29.24N	087 56 39.47W	2.4	E210138
Roberts, IL	Ford	40 37 20.49N	088 10 24.10W	1.8	E210214
Farmer City, IL	De Witt	40 13 15.16N	088 43 20.32W	1.8	E210320
Mt Pulaski, IL	Logan	40 00 17.85N	089 17 08.10W	2.4	E220177
Divernon, IL	Sangamon	39 36 02.11N	089 39 21.36W	2.4	E220178
Godfrey, IL	Madison	38 57 00.59N	090 11 13.03W	2.4	E210282
East St. Louis, IL	St. Clair	38 38 39.81N	090 09 30.94W	2.4	E210319
Marissa, IL	St. Clair	38 14 59.25N	089 45 30.58W	2.4	E210168
Pinckneyville, IL	Perry	38 05 04.57N	089 24 12.43W	1.8	E220179
Lemont, IL	Cook	41 40 22.34N	088 00 38.23W	2.4	E210233
Morris, IL	Grundy	41 22 08.81N	088 24 46.16W	1.8	E210232
Geneseo, IL	Henry	41 27 14.69N	090 09 11.41W	2.4	E210220
Bureau, IL	Bureau	41 17 12.13N	089 21 52.00W	1.8	E210142
Nashville, TN	Davidson	36 13 52.81N	086 36 03.63W	2.4	E210240
Cedar Hill, TN	Robertson	36 32 57.02N	086 56 14.51W	2.4	E210239
Clarksville, TN	Montgomery	36 35 13.64N	087 23 23.25W	1.8	E210144
Buchanan, TN	Henry	36 26 02.12N	088 06 30.72W	1.8	E210238
Cottage Grove, TN	Henry	36 26 41.08N	088 28 47.89W	1.8	E210147
Fulton, KY	Fulton	36 30 49.15N	088 52 59.61W	1.8	E210145

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Newbern, TN	Dyer	36 08 22.25N	089 14 48.10W	2.4	E210241
Wickliffe, KY	Ballard	36 57 50.45N	089 05 04.58W	2.4	E210221
Gates, TN	Lauderdale	35 50 18.67N	089 24 18.35W	2.4	E210158
Atoka, TN	Tipton	35 27 40.63N	089 45 28.72W	2.4	E210151
Memphis, TN	Shelby	35 05 22.20N	089 58 44.23W	1.8	E210146
Proctorville, OH	Lawrence	38 31 31.40N	082 18 24.34W	2.4	E220180
Canonsburg, PA	Washington	40 18 05.03N	080 09 45.09W	1.8	E220181
Tunica, MS	Tunica	34 42 15.58N	090 14 19.24W	2.4	E210253
Marks, MS	Quitman	34 17 55.08N	090 16 27.28W	2.4	E210193
Greenwood, MS	Leflore	33 27 30.91N	090 12 55.47W	2.4	E210254
Candler, NC	Buncombe	35 32 44.79N	082 40 26.67W	2.4	E210259
Waynesville, NC	Haywood	35 27 22.09N	083 02 20.96W	2.4	E210257
Whittier, NC	Swain	35 26 08.98N	083 21 44.51W	2.4	E210315
Murphy, NC	Cherokee	35 06 58.97N	084 00 15.68W	2.4	E210263
Murphy, NC	Cherokee	35 01 42.02N	084 09 46.22W	2.4	E210262
Blue Ridge, GA	Fannin	34 52 21.64N	084 19 43.29W	1.8	E220184
Canton, GA, ID	Cherokee	34 09 10.97N	084 30 42.58W	2.4	E210275
Old Fort, NC	McDowell	35 39 46.07N	082 07 30.80W	1.8	E210218
Morganton, NC	Burke	35 43 52.22N	081 41 37.47W	2.4	E210203
Granite Falls, NC	Caldwell	35 48 47.75N	081 26 15.00W	2.4	E210268
Blowing Rock, NC	Watauga	36 09 27.78N	081 38 37.15W	2.4	E210395
Sparta, NC	Alleghany	36 30 22.74N	081 06 58.73W	1.8	E210219
Dobson, NC	Surry	36 23 11.80N	080 43 14.37W	1.8	E210189
Stuart, VA	Patrick	36 38 16.80N	080 13 51.66W	1.8	E210278
Martinsville, VA	Martinsville	36 40 40.78N	079 51 45.76W	1.8	E210277
Pembroke, VA	Giles	37 19 16.24N	080 35 26.16W	2.4	E210267
Camp Creek, WV	Mercer	37 31 29.89N	081 06 25.35W	1.8	E210279
Glen Daniel, WV	Raleigh	37 47 37.57N	081 20 01.37W	1.8	E220183
Winchester, VA	Winchester	39 11 46.82N	078 09 45.88W	2.4	E220176

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Benton Harbor, MI	Berrien	42 05 17.22N	086 26 18.12W	1.8	E210179
Three Rivers, MI	St. Joseph	41 56 02.86N	085 42 36.24W	1.8	E210194
Bronson, MI	Branch	41 52 14.75N	085 12 20.60W	2.4	E210252
Allen, MI	Hillsdale	41 56 51.02N	084 49 14.90W	2.4	E220182
Hudson, MI	Hillsdale	41 51 16.23N	084 21 52.70W	2.4	E220174
Palmyra, MI	Lenawee	41 52 18.31N	083 59 11.54W	2.4	E220175
Ann Arbor, MI	Washtenaw	42 18 10.32N	083 41 52.84W	2.4	E210449
Parma, MI	Jackson	42 16 33.02N	084 36 58.59W	2.4	E210215
Battle Creek, MI	Calhoun	42 19 09.82N	085 10 01.18W	1.8	E210207
Kalamazoo, MI	Kalamazoo	42 16 45.57N	085 31 06.54W	2.4	E210181
Wayland, MI	Allegan	42 43 30.11N	085 40 11.27W	2.4	E210180
Holland, MI	Ottawa	42 46 37.76N	086 04 54.19W	2.4	E210313
South Haven, MI	Van Buren	42 22 54.49N	086 16 23.24W	2.4	E210289
Alto, MI	Kent	42 50 57.74N	085 23 07.58W	1.8	E210208
Grand Ledge, MI	Clinton	42 47 08.86N	084 48 54.97W	1.8	E210199
Holt, MI	Ingham	42 38 17.22N	084 29 29.85W	2.4	E210265
Durand, MI	Shiawassee	42 54 38.16N	084 00 51.50W	1.8	E210198
Clarkston, MI	Oakland	42 47 43.46N	083 25 26.35W	2.4	E210439
Romeo, MI	Macomb	42 48 05.13N	083 00 18.75W	2.4	E210255
Fair Haven, MI	St. Clair	42 41 25.44N	082 39 58.58W	1.8	E210222
Nelson Township, MI	Kent	43 17 39.34N	085 32 18.76W	2.4	E210403
Rodney, MI	Mecosta	43 40 07.91N	085 19 24.40W	1.8	E210225
Muskegon Heights, MI	Muskegon	43 12 28.30N	086 15 27.20W	1.8	E210323
Mt. Pleasant, MI	Isabella	43 35 51.95N	084 54 44.41W	1.8	E210206
OMER, MI	Arenac	44 02 51.50N	083 48 28.15W	2.4	E210318
Midland, MI	Midland	43 36 43.76N	084 13 59.59W	2.4	E210362
Mount Ayr, IN	Newton	40 57 12.09N	087 17 45.75W	1.8	E220170
St Johns, MI	Clinton	43 05 30.35N	084 30 56.89W	1.8	E210231
Columbus, NC	Polk	35 14 52.08N	082 12 10.60W	2.4	E210295

City/State	County	Latitude	Longitude	Antenna	Call Sign*
Moore, SC	Spartanburg	34 53 26.57N	082 02 44.71W	1.8	E210404
Greenville, SC	Greenville	34 49 35.68N	082 24 43.26W	1.8	E210228
Greenville, SC	Pickens	34 52 47.86N	082 43 03.37W	1.8	E210227
Anderson, SC	Anderson	34 30 19.41N	082 38 53.24W	2.4	E210140
Greenwood, SC	Greenwood	34 06 41.95N	082 01 41.69W	1.8	E210272
Newberry, SC	Newberry	34 14 55.47N	081 34 13.85W	1.8	E210273
Columbia, SC	Richland	34 04 58.72N	080 52 31.52W	2.4	E210139
Orangeburg, SC	Orangeburg	33 28 39.40N	080 46 04.45W	1.8	E210276
Summerville, SC	Dorchester	33 03 36.38N	080 14 03.02W	2.4	E210137
Trio, SC	Williamsburg	33 32 18.00N	079 42 36.45W	2.4	E210260
Florence, SC	Darlington	34 17 39.87N	079 51 50.08W	1.8	E210269
Lake View, SC	Dillon	34 20 44.59N	079 10 01.86W	1.8	E210335
White Oak, NC	Bladen	34 45 18.93N	078 46 43.32W	1.8	E210271
Kings Mountain, NC	Cleveland	35 16 24.90N	081 25 30.42W	1.8	E210355
Lincolnton, NC	Lincoln	35 26 29.53N	081 16 18.77W	1.8	E210294
Racine, WV	Boone	38 08 17.70N	081 38 53.47W	1.8	E220171
West Jefferson, NC	Ashe	36 22 36.94N	081 28 38.44W	1.8	E210293
Talking Rock, GA	Pickens	34 30 31.57N	084 29 22.17W	1.8	E220169
Daleville, VA	Botetourt	37 26 07.57N	079 54 20.78W	1.8	E210322
Charlotte, NC	Mecklenburg	35 17 26.85N	080 43 37.30W	2.4	E210274
Conyers, GA	Rockdale	33 36 49.37N	084 00 37.94W	1.8	E210291
Monticello, GA	Jasper	33 18 29.12N	083 50 00.65W	1.8	E210350
Appling, GA	Appling	31 40 58.33N	082 16 09.81W	1.8	E210251
McIntyre, GA	Wilkinson	32 50 31.88N	083 16 04.30W	1.8	E210149
Dublin, GA	Laurens	32 35 22.86N	082 55 15.93W	1.8	E210148
Tarrytown, GA	Treutlen	32 20 57.60N	082 34 50.73W	1.8	E210235
Tarrytown, GA	Appling	31 55 56.57N	082 20 57.62W	1.8	E210348
Pierce, GA	Pierce	31 24 19.12N	082 07 04.20W	2.4	E210261
Jackson River, VA	Alleghany	37 46 45.84N	079 53 25.08W	2.4	E220173

City/State	County	Latitude	Longitude	Antenna	Call Sign*
Caldwell, WV	Greenbrier	37 48 46.45N	080 23 33.39W	1.8	E220168
Green Brier River, WV	Summers	37 38 22.67N	080 47 30.75W	1.8	E210324
Johnson City, TN	Carter	36 19 35.90N	082 17 24.37W	2.4	E210290
Spruce Pine, NC	Avery	35 58 16.06N	082 00 41.53W	2.4	E210264
Pickerington, OH	Fairfield	39 54 23.16N	082 44 01.31W	1.8	E220166
Waterloo, IN	DeKalb	41 26 11.04N	085 02 41.37W	2.4	E210363
Ligonier, IN	Noble	41 27 52.06N	085 33 27.05W	2.4	E210389
Somonauk, IL	LaSalle	41 37 49.16N	088 40 05.82W	2.4	E210359
North Utica, IL	LaSalle	41 21 42.10N	089 00 30.77W	2.4	E210387
Amboy, IL	Lee	41 43 11.14N	089 19 42.36W	1.8	E210356
Morrison, IL	Whiteside	41 47 24.47N	089 57 52.54W	1.8	E210382
Savanna, IL	Carroll	42 05 22.11N	090 04 10.91W	1.8	E210384
Forreston, IL	Ogle	42 08 29.93N	089 37 32.68W	2.4	E210388
Belvidere, IL,	Boone	42 16 36.91N	088 52 47.03W	2.4	E210367
Carlinville, IL	Macoupin	39 15 33.50N	089 54 15.26W	2.4	E210368
Shuqualak, MS,	Noxubee	32 59 19.32N	088 34 21.36W	1.8	E210383
Columbus, MS	Lowndes	33 30 53.51N	088 25 29.71W	2.4	E210436
Tishomingo, MS	Tishomingo	34 38 15.59N	088 13 57.91W	1.8	E210343
Corinth, MS	Alcorn	34 56 29.38N	088 34 01.61W	2.4	E210369
Tiplersville, MS	Tippah	34 53 24.67N	088 53 41.44W	1.8	E210342
Ecu, MS	Pontotoc	34 21 33.96N	089 01 28.98W	1.8	E210332
Okolona, MS	Chickasaw	33 50 25.12N	088 43 47.35W	1.8	E210364
Banner, MS	Calhoun	34 05 50.79N	089 19 46.89W	1.8	E210373
Winona, MS	Montgomery	33 29 17.82N	089 42 57.62W	2.4	E210444
Pope Village, MS	Panola	34 12 41.66N	089 56 17.25W	1.8	E210370
Olive Branch, MS	DeSoto	34 57 59.46N	089 47 47.66W	2.4	E210438
Cape Girardeau, MO	Cape Girardeau	37 17 43.74N	089 31 17.47W	2.4	E220167
Winslow, IL	Stephenson	42 26 29.60N	089 46 34.80W	1.8	E210390
Augusta Springs, VA	Augusta	38 05 29.70N	079 20 36.01W	2.4	E220165

City/State	County	Latitude	Longitude	Antenna	Call Sign*
Hillsville, VA	Carroll	36 47 30.25N	080 43 00.31W	1.8	E210392
Floyd, VA	Floyd	36 55 27.73N	080 18 38.91W	1.8	E210391
Copper Hill, VA	Floyd	37 07 03.54N	080 07 57.48W	1.8	E210339
Wytheville, VA	Wythe	36 58 39.76N	081 01 44.35W	1.8	E210393
West Point, IN	White	40 41 06.07N	087 02 27.86W	2.4	E210385
Kokomo, IN	Howard	40 31 12.75N	086 02 43.73W	1.8	E210365
Noblesville, IN	Hamilton	40 04 46.13N	085 52 20.94W	1.8	E210338
Coatesville, IN	Putnam	39 37 51.91N	086 42 38.41W	1.8	E210394
Marshall, IL	Clark	39 22 58.85N	087 43 29.71W	1.8	E210366
Greenup, IL	Cumberland	39 14 03.14N	088 12 05.87W	2.4	E210386
Effingham, IL	Effingham	39 06 10.29N	088 35 46.20W	1.8	E210398
Mulberry Grove, IL	Fayette	38 55 52.04N	089 14 33.39W	2.4	E210371
Highland, IL	Madison	38 44 52.17N	089 40 14.34W	2.4	E210333
Toombs County, GA	Toombs	32 09 57.63N	082 22 34.34W	1.8	E210400
Yazoo City, MS	Yazoo	32 51 45.60N	090 23 49.70W	2.4	E210381
Tallapoosa, GA	Haralson	33 44 31.41N	085 18 30.65W	1.8	E210399
Oxford, AL	Calhoun	33 35 46.82N	085 52 03.48W	2.4	E210379
Leeds, AL,	Jefferson	33 32 29.47N	086 32 15.15W	1.8	E210401
Coaling, AL	Tuscaloosa	33 10 15.50N	087 20 34.63W	1.8	E210331
Fosters, AL	Tuscaloosa	33 05 34.48N	087 41 05.54W	1.8	E220051
Eutaw, AL, 354	Greene	32 47 05.92N	087 58 38.72W	2.4	E210244
Livingston, AL	Sumter	32 36 30.78N	088 10 57.60W	1.8	E210330
Meridian, MS,	Lauderdale	32 21 43.26N	088 42 33.47W	2.4	E210380
Newton, MS	Newton	32 19 39.58N	089 10 38.39W	1.8	E210361
Forest City, MS	Scott	32 21 44.32N	089 30 33.39W	1.8	E210360
Moorefield, WV	Hardy	39 04 40.47N	078 55 59.39W	1.8	E210327
Parsons, WV	Tucker	39 05 36.43N	079 39 41.28W	2.4	E210377
Weston, WV	Lewis	39 00 23.80N	080 23 38.96W	2.4	E210378
Pennsboro, WV	Ritchie	39 16 40.66N	080 54 30.70W	1.8	E210340

City/State	County	Latitude	Longitude	Antenna	Call Sign*
Walker, WV	Wood	39 10 54.07N	081 22 11.59W	1.8	E210328
Morgantown, WV	Monongalia	39 38 02.36N	079 55 35.38W	1.8	E210351
California, PA	Washington	40 04 02.65N	079 54 02.95W	1.8	E210344
Rossburg, OH,	Darke	40 16 46.04N	084 37 39.88W	1.8	E210407
Portland, IN	Jay	40 28 08.93N	084 48 58.29W	1.8	E210345
Fort Jennings, OH	Putnam	40 56 47.27N	084 15 24.03W	1.8	E210353
Forest, OH	Hardin	40 42 58.78N	083 33 18.98W	1.8	E210357
Sycamore, OH	Wyandot	40 56 52.78N	083 10 37.85W	1.8	E210352
Chelsea, MI	Washtenaw	42 16 26.66N	084 06 02.74W	1.8	E210408
Tremont, MS	Itawamba	34 13 42.01N	088 15 27.12W	1.8	E260157
Calera, AL	Shelby	33 07 51.07N	086 45 05.28W	2.4	E260155
Clanton, AL,	Chilton	32 48 38.98N	086 35 55.18W	1.8	E260153
Wetumpka, AL	Elmore	32 36 05.77N	086 15 31.26W	1.8	E260151
Lake Geneva, WI	Walworth	42 32 44.07N	088 23 11.26W	1.8	E260149
Mansfield, OH	Richland	40 48 01.28N	082 30 45.38W	1.8	E210458
WESTSALEM, OH	Wayne	40 57 09.37N	082 03 36.15W	2.4	E210459
Killbuck, OH	Holmes	40 29 52.02N	081 58 39.38W	1.8	E210450
Andersonville, GA	Macon	32 14 43.25N	084 08 28.45W	1.8	E210451
Buena Vista, GA	Marion	32 19 06.01N	084 31 08.32W	1.8	E210452
Columbus, GA	Muscogee	32 27 10.42N	084 56 32.51W	2.4	E210453
LaGrange, GA	Troup	32 59 43.71N	085 02 27.59W	1.8	E210455
Madisonville, KY	Hopkins	37 18 30.23N	087 30 30.29W	1.8	E260147
Mattoon, IL	Coles	39 29 40.84N	088 23 48.86W	1.8	E210457
Champaign City, IL	Champaign	40 04 29.10N	088 16 35.30W	2.4	E210456
Decatur, IL	Macon	39 52 56.45N	088 53 53.78W	1.8	E210454
Springfield, IL	Sangamon	39 50 47.10N	089 35 12.10W	1.8	E260145
Jacksonville, IL	Morgan	39 47 16.15N	090 20 06.35W	1.8	E210440
Chambersburg, IL	Pike	39 47 01.00N	090 45 20.38W	1.8	E210442
Canton, OH	Stark	40 51 33.14N	081 25 05.39W	1.8	E210441

City/State	County	Latitude	Longitude	Antenna	Call Sign*
New Knoxville, OH	Auglaize	40 29 29.25N	084 19 12.61W	1.8	E260143
Donalsonville, GA	Seminole	31 03 16.40N	084 52 42.60W	1.8	E220111
LONDON, KY	Laurel	37 09 16.08N	084 07 45.40W	1.8	E260141
Johnstown, PA	Cambria	40 21 48.05N	078 56 57.98W	2.4	E260139
Ludowici, GA	Long	31 42 53.62N	081 44 50.27W	1.8	E260137
Dahlonega, GA	Lumpkin	34 34 36.46N	084 00 21.78W	1.8	E260135
Clarkesville, GA	Habersham	34 39 51.17N	083 32 05.37W	1.8	E260133
Alexander City	Tallapoosa	32 55 25.31N	085 56 11.47W	1.8	E220112
Braselton, GA	Jackson	34 06 20.36N	083 45 40.98W	1.8	E260131
Camp Hill, AL,	Tallapoosa	32 48 02.16N	085 38 47.76W	1.8	E220117
Columbia, KY	Adair	37 08 16.56N	085 18 08.28W	2.4	E260129
Caneyville, KY	Grayson	37 25 25.45N	086 29 09.00W	1.8	E260127
Springfield, GA	Effingham	32 22 03.31N	081 16 38.60W	1.8	E220118
Tompkinsville, KY	Monroe	36 47 44.01N	085 39 06.75W	1.8	E220114
Albany, KY	Clinton	36 41 50.40N	085 07 19.01W	1.8	E220115
Oxford, MS	Lafayette	34 21 44.85N	089 34 13.91W	1.8	E220108
Lebanon, KY	Marion	37 34 36.22N	085 08 20.16W	1.8	E260125
Bremen, KY	Muhlenberg	37 20 24.05N	087 10 23.69W	1.8	E220110
Loretto, KY	Marion	37 38 03.36N	085 24 20.47W	1.8	E260161
Lexington, KY	Fayette	38 03 51.13N	084 29 17.21W	1.8	E260123
Shepherdsville, KY	Bullitt	37 57 49.59N	085 42 21.23W	1.8	E260121
Ashville, AL	St. Clair	33 49 37.28N	086 14 43.58W	1.8	E260117
Germantown, MD	Montgomery	39 12 03.92N	077 16 13.17W	2.4	E260097