

EXHIBIT

Applicant requests a nine (9) month (from 9/15/2019 to 06/14/2019) conventional experimental license to conduct fixed and mobile tests using various experimental wireless equipment operating in the 3.5 GHz band at addresses provided on the spreadsheet below. Applicant's proposed experiments would involve the transmission and reception of signals by and between base stations and user devices within a ten (10) kilometer radius of those base stations.

Applicant will conduct this testing to evaluate network and product performance prior to production under expected customer use conditions in an actual performance environment. Applicant's testing and the expected experimental equipment would support potential fixed wireless applications, including video and data transmissions.

List of the 150 Sites for Ohio and Tennessee.

City	Type of Structure	Structure Address	Structure City	Structure County	Structure State	LATITUDE	LONGITUDE	Ground Elevation (m)	Structure Height w/out Appurtenance (m)	Structure Height with Appurtenances (m)	If Mobile, describe the exact area of operation (for example: within 100 meters from the base)	Answer Below If "Yes" to Directional Antenna			Antenna Extend >6m above structure or ground? (Y/N)	Answer Below if "Yes" to Antenna Extend > 6M Above Structure or Ground				Power in Watts		ERP in Watts		Frequency Tolerance	Emission Desginator	Modulating Signal	Necessary Bandwidth
												Width of beam at the half-power point (in degrees)	Orientation in horizontal plane (degrees from true North)	Orientation in vertical plane (degrees from horizontal)		Height above ground to antenna tip (in meters)	Elevation of ground at antenna site (AMSL) (meters)	Distance to nearest aircraft landing area (in km)	List natural formation or existing man-made structures (e.g. hills, trees, water tanks, towers) that woud shield antenna from aircraft.	FX Station	MO Station	FX Station	MO Station				
ROGERS	GUYED	45548 PINE HOLLOW ROAD	ROGERS	COLUMBIANA	OH	40.780318	-80.642833	386.89	91.44	95.10	Within 10 km radius of base	65	30,190,290	-2	Y	93.02	386.89	11.61	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
SALINEVILLE	GUYED	18714 OAK GROVE ROAD	SALINEVILLE	COLUMBIANA	OH	40.632972	-80.815694	327.44	91.44	95.10	Within 10 km radius of base	65	35,135,245	-2	Y	90.59	327.44	14.60	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MENTOR	SELF SUPPORT	8505 GARFIELD ROAD	MENTOR	LAKE	OH	41.639	-81.3539	239.63	86.56	89.61	Within 10 km radius of base	65	182,302,59	-2	Y	76.26	239.63	5.01	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
AKRON	SELF SUPPORT	150 NORTH UNION STREET	AKRON	SUMMIT	OH	41.085644	-81.506008	314.02	85.35	89.92	Within 10 km radius of base	65	177,297,60	0	Y	39.99	314.02	5.46	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
STRUTHERS	SELF SUPPORT	CASTLO INDUSTRIAL PARK 100 SOUTH BRIDGE	STRUTHERS	MAHONING	OH	41.05595	-80.58713	254.27	60.96	60.96	Within 10 km radius of base	65	180,300,60	0	Y	46.39	254.27	8.28	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
SALEM	SELF SUPPORT	6582 SALEM UNITY ROAD	SALEM	MAHONING	OH	40.902741	-80.780727	344.21	79.25	79.25	Within 10 km radius of base	65	180,300,60	0	Y	70.47	344.21	7.85	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
NEW RIEGEL	SELF SUPPORT	2605 SOUTH STATE ROUTE 587	NEW RIEGEL	SENECA	OH	41.085667	-83.348556	246.04	81.38	81.38	Within 10 km radius of base	65	10,115,235	0	Y	76.26	246.04	10.92	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
LISBON	SELF SUPPORT	9050 FREEMAN ROAD	LISBON	COLUMBIANA	OH	40.766494	-80.817759	382.62	76.20	78.94	Within 10 km radius of base	65	55,175,295	0	Y	73.52	382.62	17.79	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz

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												Width of beam at the half-power point (in degrees)	Orientation in horizontal plane (degrees from true North)	Orientation in vertical plane (degrees from horizontal)		Height above ground to antenna tip (in meters)	Elevation of ground at antenna site (AMSL) (meters)	Distance to nearest aircraft landing area (in km)	List natural formation or existing man-made structures (e.g. hills, trees, water tanks, towers) that would shield antenna from aircraft.	FX Station	MO Station	FX Station	MO Station				
CESHIRE	SELF SUPPORT	STATE ROUTE - 7	CESHIRE	GALLIA	OH	38.940917	-82.112167	173.48	70.10	72.54	Within 10 km radius of base	65	20,140,250	0	Y	70.49	173.48	2.94	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
NORTH JACKSON	SELF SUPPORT	13867 MAHONING AVENUE ROUTE 18	NORTH JACKSON	MAHONING	OH	41.09775	-80.912067	322.87	70.10	74.98	Within 10 km radius of base	65	180,315,60	0	Y	64.37	322.87	17.06	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
EUCLID	MONOPOLE	545 EAST 222ND STREET	EUCLID	CUYAHOGA	OH	41.600555	-81.525186	187.50	86.87	91.14	Within 10 km radius of base	65	170,300,60	0	Y	46.39	187.50	4.59	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
PARKERSBURG	MONOPOLE	505 36TH STREET	PARKERSBURG	WOOD	WV	39.296333	-81.548389	188.11	61.57	62.48	Within 10 km radius of base	65	80,180,315	0	Y	70.47	188.11	9.92	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
CLEVELAND	ROOFTOP	955 WEST SAINT CLAIR STREET	CLEVELAND	CUYAHOGA	OH	41.497944	-81.70125	188.42	53.04	53.34	Within 10 km radius of base	65	130,280,45	0	N	50.96	188.42	1.52	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
CLEVELAND	MONOPOLE	971 EAST 63RD STREET	CLEVELAND	CUYAHOGA	OH	41.52575	-81.6485	190.24	45.72	50.29	Within 10 km radius of base	65	165,285,60	0	Y	30.24	190.24	1.16	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
CLEVELAND	MONOPOLE	1300 WEST 78TH STREET	CLEVELAND	CUYAHOGA	OH	41.484806	-81.739361	197.26	39.93	41.45	Within 10 km radius of base	65	165,285,45	0	Y	40.29	197.26	4.86	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
EUCLID	MONOPOLE	1385 CHARDON ROAD	EUCLID	CUYAHOGA	OH	41.574083	-81.535444	198.78	41.45	43.89	Within 10 km radius of base	65	180,300,25	0	Y	40.29	198.78	3.35	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz

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CLEVELAND	ROOFTOP	2700 WASHINGTON AVENUE ROOF	CLEVELAND	CUYAHOGA	OH	41.492083	-81.71	202.44	57.00	60.35	Within 10 km radius of base	65	150,260,60	0	N	62.24	202.44	2.48	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
CLEVELAND	MONOPOLE	2400 ORANGE AVENUE	CLEVELAND	CUYAHOGA	OH	41.490407	-81.676251	205.49	45.72	48.46	Within 10 km radius of base	65	164,280,60	0	Y	40.29	205.49	2.46	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
CLEVELAND	MONOPOLE	5133 SWEENEY AVENUE	CLEVELAND	CUYAHOGA	OH	41.476722	-81.654333	206.10	39.93	41.45	Within 10 km radius of base	65	195,300,60	0	Y	40.60	206.10	4.72	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
CLEVELAND	ROOFTOP	2012 WEST 25TH STREET DUP	CLEVELAND	CUYAHOGA	OH	41.483805	-81.703314	208.54	40.84	44.81	Within 10 km radius of base	65	180,280,60	0	N	38.16	208.54	3.07	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
NELSONVILLE	SELF SUPPORT	15826 US HIGHWAY 33	NELSONVILLE	ATHENS	OH	39.436611	-82.201903	218.60	89.00	90.22	Within 10 km radius of base	65	245,15,125	0	Y	87.25	218.60	23.22	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
VIENNA	SELF SUPPORT	1 PETE'S STREET	VIENNA	WOOD	WV	39.333194	-81.532	221.95	91.44	93.27	Within 10 km radius of base	65	70,220,330	0	Y	76.26	221.95	4.13	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
GROVEPORT	MONOPOLE	6014 GROVEPORT ROAD	GROVEPORT	FRANKLIN	OH	39.856912	-82.898344	224.70	45.72	47.55	Within 10 km radius of base	65	345,105,205	0	Y	43.95	224.70	2.91	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
CROWN CITY	SELF SUPPORT	135 MERCERVILLE ROAD	CROWN CITY	GALLIA	OH	38.660056	-82.273806	226.83	88.39	89.31	Within 10 km radius of base	65	305,84,199	0	Y	87.25	226.83	21.08	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz

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CLEVELAND	ROOFTOP	16000 TERRACE ROAD	CLEVELAND	CUYAHOGA	OH	41.540583	-81.566056	227.74	81.38	85.04	Within 10 km radius of base	65	180,300,40	0	N	73.52	227.74	6.02	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
FAIRVIEW PARK	MONOPOLE	22001 BROOK PARK ROAD	FAIRVIEW PARK	CUYAHOGA	OH	41.420083	-81.864861	231.71	21.34	23.77	Within 10 km radius of base	65	220,340,100	0	Y	21.40	231.71	0.17	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
ORIENT	SELF SUPPORT	2119 ZUBER ROAD (7021 BORROR ROAD)	ORIENT	FRANKLIN	OH	39.819417	-83.062028	241.16	85.65	89.61	Within 10 km radius of base	65	345,105,205	0	Y	87.56	241.16	8.94	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
GALLIPOLIS	SELF SUPPORT	64 WEST DRIVE	GALLIPOLIS	GALLIA	OH	38.804222	-82.232194	242.07	73.76	78.03	Within 10 km radius of base	65	65,205,280	0	Y	67.44	242.07	6.17	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
CHESHIRE	MONOPOLE	583 HONEYSUCKLE DRIVE	CHESHIRE	GALLIA	OH	38.89815	-82.1471	242.07	47.24	47.55	Within 10 km radius of base	65	25,145,255	0	Y	46.39	242.07	3.77	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
THURMAN	SELF SUPPORT	405 WAYNE LANE	THURMAN	Gallia	OH	38.877056	-82.4075	243.84	85.04	89.31	Within 10 km radius of base	65	35,135,290	0	Y	85.43	243.84	18.19	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
WILLIAMSTOWN	SELF SUPPORT	4 SUNSET DRIVE	WILLIAMSTOWN	WOOD	WV	39.36675	-81.48075	250.00	70.10	70.10	Within 10 km radius of base	65	30,150,285	0	Y	48.54	250.00	3.45	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
LANCASTER	SELF SUPPORT	1051 WEST MAIN STREET	LANCASTER	FAIRFIELD	OH	39.714623	-82.616845	252.13	57.91	60.96	Within 10 km radius of base	65	95,205,325	0	Y	54.01	252.13	4.91	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz

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GALLIPOLIS	SELF SUPPORT	12081 STATE ROUTE 7	GALLIPOLIS	GALLIA	OH	38.705056	-82.203556	256.10	91.44	96.01	Within 10 km radius of base	65	0,180,270	0	Y	87.25	256.10	14.30	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MIDDLEPORT	SELF SUPPORT	SHADY COVE ROAD	MIDDLEPORT	MEIGS	OH	38.991167	-82.084611	256.71	76.51	77.42	Within 10 km radius of base	65	30,150,260	0	Y	76.57	256.71	8.28	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
ORIENT	SELF SUPPORT	12203 MATVILLE ROAD	ORIENT	PICKAWAY	OH	39.758667	-83.114389	257.68	87.17	90.53	Within 10 km radius of base	65	100,200,340	0	Y	86.95	257.68	13.95	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
VINTON	SELF SUPPORT	13467 STATE ROUTE 160	VINTON	GALLIA	OH	38.971972	-82.318972	260.24	101.19	102.41	Within 10 km radius of base	65	0,140,270	0	Y	98.36	260.24	19.51	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
NORTH ROYALTON	MONOPOLE	19300 RIDGE ROAD	NORTH ROYALTON	CUYAHOGA	OH	41.281944	-81.746444	264.33	57.30	59.74	Within 10 km radius of base	65	180,290,60	0	Y	58.28	264.33	15.13	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
HILLSBORO	SELF SUPPORT	10211 CROSS ROAD	HILLSBORO	HIGHLAND	OH	39.070167	-83.513917	268.60	91.44	96.01	Within 10 km radius of base	65	30,150,250	0	Y	88.78	268.60	13.02	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
GALLIPOLIS	SELF SUPPORT	1 WOODLAND AVENUE	GALLIPOLIS	GALLIA	OH	38.826611	-82.198917	272.87	59.74	64.01	Within 10 km radius of base	65	60,180,285	0	Y	54.03	272.87	2.52	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
NEW STRAITSVILLE	SELF SUPPORT	9760 TOWNSHIP ROAD 255	NEW STRAITSVILLE	Perry	OH	39.577278	-82.246528	274.02	86.87	92.05	Within 10 km radius of base	65	315,45,205	0	Y	87.25	274.02	13.09	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
THE PLAINS	SELF SUPPORT	COUNTY ROAD 110 POSTON STATION	THE PLAINS	ATHENS	OH	39.382861	-82.16025	274.09	54.86	58.52	Within 10 km radius of base	65	55,175,285	0	Y	54.31	274.09	19.35	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz

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YOUNGSTOWN	SELF SUPPORT	53 LAIRD AVENUE	YOUNGSTOWN	MAHONING	OH	41.10425	-80.6805	274.36	55.78	57.00	Within 10 km radius of base	65	240,345,120	0	Y	55.23	274.36	5.44	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
GALLOWAY	MONOPOLE	1420 JONES ROAD	GALLOWAY	FRANKLIN	OH	39.978083	-83.195528	284.48	46.33	49.38	Within 10 km radius of base	65	340,120,250	0	Y	48.54	284.48	3.96	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
BELPRE	GUYED	BOX 63 T73 CALDER RIDGE ROAD	BELPRE	WASHINGTON	OH	39.310972	-81.597333	288.72	55.17	55.78	Within 10 km radius of base	65	40,180,310	0	Y	54.94	288.72	13.15	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
PIQUA	MONOPOLE	1703 COMMERCE DRIVE	PIQUA	MIAMI	OH	40.143333	-84.270278	291.46	57.91	59.74	Within 10 km radius of base	65	345,150,270	0	Y	58.28	291.46	3.46	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
SUGAR GROVE	MONOPOLE	2119 MAYA LANE	SUGAR GROVE	HOCKING	OH	39.656472	-82.449972	292.59	56.69	59.13	Within 10 km radius of base	65	354,114,221	0	Y	57.06	292.59	19.69	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
NEWPORT	SELF SUPPORT	146 STATE ROUTE 7	NEWPORT	WASHINGTON	OH	39.394611	-81.249556	292.99	67.06	68.58	Within 10 km radius of base	65	90,200,310	0	Y	65.30	292.99	16.28	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
YOUNGSTOWN	MONOPOLE	324 NORTH BLAIN AVENUE	YOUNGSTOWN	MAHONING	OH	41.089457	-80.616508	297.87	54.86	60.66	Within 10 km radius of base	65	270,30,150	0	Y	50.66	297.87	4.03	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MARIETTA	SELF SUPPORT	2915 BENDER ROAD	MARIETTA	WASHINGTON	OH	39.403667	-81.531333	300.18	91.44	92.97	Within 10 km radius of base	65	105,225,345	0	Y	89.70	300.18	9.32	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
NELSONVILLE	SELF SUPPORT	16595 WOLFE BENET ROAD	NELSONVILLE	Athens	OH	39.452694	-82.241833	304.88	57.00	58.22	Within 10 km radius of base	65	5,105,225	0	Y	85.12	304.88	21.49	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz

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												Width of beam at the half-power point (in degrees)	Orientation in horizontal plane (degrees from true North)	Orientation in vertical plane (degrees from horizontal)		Height above ground to antenna tip (in meters)	Elevation of ground at antenna site (AMSL) (meters)	Distance to nearest aircraft landing area (in km)	List natural formation or existing man-made structures (e.g. hills, trees, water tanks, towers) that would shield antenna from aircraft.	FX Station	MO Station	FX Station	MO Station				
AKRON	MONOPOLE	1000 SOUTH BROADWAY	AKRON	SUMMIT	OH	41.059444	-81.527639	306.10	58.52	59.74	Within 10 km radius of base	65	185,300,60	0	Y	39.99	306.10	4.42	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
WALTON HILLS	SELF SUPPORT	7401 NORTHFIELD ROAD	WALTON HILLS	CUYAHOGA	OH	41.362921	-81.52511	309.45	91.44	91.44	Within 10 km radius of base	65	140,260,20	0	Y	73.21	309.45	21.39	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
YELLOW SPRINGS	MONOPOLE	251 DAYTON-YELLOW SPRINGS	YELLOW SPRINGS	GREENE	OH	39.795667	-83.93475	313.11	46.63	48.16	Within 10 km radius of base	65	14,144,254	0	Y	47.32	313.11	7.94	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
ATWATER	MONOPOLE	14901 GERMAN CHURCH ROAD	ATWATER	PORTAGE	OH	40.99	-81.10625	321.95	45.72	47.55	Within 10 km radius of base	65	190,300,60	0	Y	46.09	321.95	1.84	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
NORTH JACKSON	GUYED	1621 DUCKCREEK ROAD	NORTH JACKSON	MAHONING	OH	41.114417	-80.899389	323.18	48.16	49.99	Within 10 km radius of base	65	100,220,340	0	Y	49.13	323.18	17.07	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
PIQUA	TANK	1239 EAST ASH STREET	PIQUA	MIAMI	OH	40.149306	-84.212972	324.39	52.43	63.09	Within 10 km radius of base	65	325,80,200	0	Y	55.84	324.39	7.45	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
HILLSBORO	SELF SUPPORT	3854 POINT LIBERTY ROAD	HILLSBORO	HIGHLAND	OH	39.115528	-83.671306	340.85	87.17	89.31	Within 10 km radius of base	65	60,130,265	0	Y	87.25	340.85	13.37	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
LANCASTER	SELF SUPPORT	3620 CINCINNATI-ZANESVILLE ROAD	LANCASTER	FAIRFIELD	OH	39.689032	-82.668452	344.51	77.72	80.47	Within 10 km radius of base	65	60,170,280	0	Y	55.84	344.51	6.82	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
CANAL FULTON	SELF SUPPORT	14941 MARSHALLVILLE STREET NORTHWES	CANAL FULTON	STARK	OH	40.888806	-81.621889	347.26	57.91	60.35	Within 10 km radius of base	65	180,310,60	0	Y	57.36	347.26	13.82	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz

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												Width of beam at the half-power point (in degrees)	Orientation in horizontal plane (degrees from true North)	Orientation in vertical plane (degrees from horizontal)		Height above ground to antenna tip (in meters)	Elevation of ground at antenna site (AMSL) (meters)	Distance to nearest aircraft landing area (in km)	List natural formation or existing man-made structures (e.g. hills, trees, water tanks, towers) that would shield antenna from aircraft.	FX Station	MO Station	FX Station	MO Station				
CANTON	SELF SUPPORT	6177 STATE STREET NORTHEAST	CANTON	STARK	OH	40.904556	-81.281972	354.57	76.81	78.33	Within 10 km radius of base	65	190,300,60	0	Y	76.57	354.57	7.33	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
HUBBARD	GUYED	1995 RICHARDSON DRIVE	HUBBARD	TRUMBULL	OH	41.1867	-80.55946	359.79	89.31	94.18	Within 10 km radius of base	65	90,230,350	0	Y	87.84	359.79	7.61	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
WEST POINT	SELF SUPPORT	14368 TORMA ROAD	WEST POINT	COLUMBIANA	OH	40.697139	-80.675889	364.94	76.20	80.77	Within 10 km radius of base	65	5,100,260	0	Y	70.49	364.94	3.64	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
NEW SPRINGFIELD	SELF SUPPORT	3280 1/2 GLACIER ROAD	NEW SPRINGFIELD	MAHONING	OH	40.937528	-80.587333	378.66	85.95	89.92	Within 10 km radius of base	65	140,280,40	0	Y	90.28	378.66	16.89	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
BIDWELL	SELF SUPPORT	2827 KERR ROAD	BIDWELL	Gallia	OH	38.879778	-82.311806	241.77	85.65	88.70	Within 10 km radius of base	65	90,210,330	0	Y	84.21	241.77	13.34	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
CLEVELAND	MONOPOLE	1105 EAST 26TH STREET	CLEVELAND	CUYAHOGA	OH	41.51551	-81.67533	192.02	30.48	31.70	Within 10 km radius of base	65	145,290,50	0	Y	30.24	192.02	0.26	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
ALLIANCE	MONOPOLE	2421 WEST STATE STREET	ALLIANCE	STARK	OH	40.905374	-81.150453	368.20	57.61	60.66	Within 10 km radius of base	65	150,270,30	0	Y	55.23	368.20	8.08	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
CLARINGTON	GUYED	4650 KURTZMAN ROAD	CLARINGTON	MONROE	OH	39.757028	-80.87325	357.01	106.68	112.47	Within 10 km radius of base	65	345,155,245	0	Y	86.95	357.01	17.53	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
POWHATAN POINT	SELF SUPPORT	54158 POWHATAN HILL ROAD	POWHATAN POINT	BELMONT	OH	39.8515	-80.828915	377.44	76.20	81.99	Within 10 km radius of base	65	245,350,110	0	Y	70.79	377.44	7.99	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz

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BARNESVILLE	SELF SUPPORT	312 HENDERSON STREET	BARNESVILLE	BELMONT	OH	39.982968	-81.171697	384.76	69.50	72.54	Within 10 km radius of base	65	336,100,200	0	Y	66.22	384.76	2.44	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
BRIDGEPORT	SELF SUPPORT	100 SOUTH COLERAIN ROAD	BRIDGEPORT	Belmont	OH	40.128083	-80.812667	393.19	54.86	56.69	Within 10 km radius of base	65	325,90,260	0	Y	55.24	393.19	14.19	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
BELLAIRE	MONOPOLE	65563 DIXON HILL ROAD	BELLAIRE	Belmont	OH	40.033111	-80.811111	329.18	54.86	56.69	Within 10 km radius of base	65	335,115,235	0	Y	55.24	329.18	12.78	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
BRIDGEPORT	MONOPOLE	70200 WEST VIRGINIA BOULEVARD	BRIDGEPORT	Belmont	OH	40.100778	-80.780944	406.91	45.72	48.16	Within 10 km radius of base	65	300,95,195	0	Y	46.10	406.91	13.17	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
LEWISVILLE	SELF SUPPORT	35228 STATE ROUTE 78	LEWISVILLE	MONROE	OH	39.762333	-81.187056	397.94	88.70	89.92	Within 10 km radius of base	65	20,130,270	0	Y	78.11	397.94	6.79	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
SARDIS	GUYED	47979U KETZEL HILL ROAD	SARDIS	MONROE	OH	39.61725	-80.959528	388.01	74.68	77.72	Within 10 km radius of base	65	75,175,315	0	Y	49.15	388.01	21.60	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
SARDIS	SELF SUPPORT	52153 BOSTON HILL ROAD	SARDIS	MONROE	OH	39.659	-80.877611	383.74	59.44	60.66	Within 10 km radius of base	65	10,140,245	0	Y	61.34	383.74	23.04	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
JACKSON	MONOPOLE	822 OLD BELLS ROAD	JACKSON	MADISON	TN	35.70524	-88.92775	143.48	68.58	76.20	Within 10 km radius of base	65	0,125,240	0	Y	78.59	143.48	11.06	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
HUMBOLDT	MONOPOLE	16B HADLEY DRIVE BYPASS	HUMBOLDT	GIBSON	TN	35.81925	-88.93718	98.13	94.49	96.62	Within 10 km radius of base	65	60,170,290	0	Y	94.22	98.13	5.56	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz

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BRIGHTON	SELF SUPPORT	1890 SADLER SCHOOL ROAD	BRIGHTON	TIPTON	TN	35.42027	-89.68638	121.88	121.92	126.49	Within 10 km radius of base	65	30,150,270	0	Y	94.22	121.88	16.22	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
COVINGTON	MONOPOLE	1585 OIL MILLS ROAD	COVINGTON	TIPTON	TN	35.59152	-89.62674	103.44	54.86	57.91	Within 10 km radius of base	65	30,150,270	0	Y	56.72	103.44	3.52	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MEMPHIS	SELF SUPPORT	2195 ALCY ROAD	MEMPHIS	SHELBY	TN	35.07736	-89.98958	88.17	23.17	26.82	Within 10 km radius of base	65	0,120,240	0	Y	25.47	88.17	0.55	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MEMPHIS	SELF SUPPORT	176 WEST ILLINOIS AVENUE	MEMPHIS	SHELBY	TN	35.12416	-90.06444	88.15	51.82	56.39	Within 10 km radius of base	65	45,160,280	0	Y	54.86	88.15	7.96	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MEMPHIS	MONOPOLE	3951 CHAD LANE	MEMPHIS	SHELBY	TN	34.99888	-89.93138	115.03	55.78	57.00	Within 10 km radius of base	65	30,150,270	0	Y	57.34	115.03	3.81	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
EADS	SELF SUPPORT	12034 HIGHWAY 64	EADS	SHELBY	TN	35.21527	-89.66222	103.15	86.87	88.09	Within 10 km radius of base	65	0,120,240	0	Y	78.59	103.15	23.28	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MEMPHIS	SELF SUPPORT	2186 WHARF	MEMPHIS	SHELBY	TN	35.08666	-90.11641	74.08	85.65	89.00	Within 10 km radius of base	65	60,180,300	0	Y	86.74	74.08	11.39	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
CEDAR HILL	SELF SUPPORT	3075 WEST STROUDSVILLE ROAD	CEDAR HILL	CHEATHAM	TN	36.45421	-87.12238	215.06	91.44	96.01	Within 10 km radius of base	65	0,120,240	0	Y	93.31	215.06	19.18	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
HUMBOLDT	GUYED	3620 OCOMA WAY	HUMBOLDT	GIBSON	TN	35.83805	-88.89438	128.13	91.44	92.36	Within 10 km radius of base	65	45,160,280	0	Y	93.28	128.13	4.14	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz

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GADSDEN	GUYED	53B TINSLEY ROAD	GADSDEN	CROCKETT	TN	35.78871	-88.97635	135.31	95.10	96.93	Within 10 km radius of base	65	0,120,240	0	Y	97.34	135.31	8.61	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
SUMMERTOWN	SELF SUPPORT	154 OLD HIGHWAY 43	SUMMERTO WN	LAWRENCE	TN	35.41999	-87.27722	310.70	122.53	126.19	Within 10 km radius of base	65	70,180,300	0	Y	122.69	310.70	16.35	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
OAKFIELD	SELF SUPPORT	3232 CHRISTMAS VILLE ROAD	OAKFIELD	MADISON	TN	35.72757	-88.75893	138.13	58.22	60.35	Within 10 km radius of base	65	90,210,330	0	Y	60.16	138.13	13.06	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
SOMERVILLE	SELF SUPPORT	2549 HIGHWAY 222	SOMERVILLE	FAYETTE	TN	35.31869	-89.39631	119.69	56.39	60.96	Within 10 km radius of base	65	30,150,270	0	Y	49.84	119.69	11.65	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
CUMBERLAND FURNACE	GUYED	2192A GAMBLE HOLLOW ROAD	CUMBERLAN D FURNACE	DICKSON	TN	36.27942	-87.38228	232.87	106.99	111.86	Within 10 km radius of base	65	60,180,290	0	Y	94.22	232.87	16.73	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
SOMERVILLE	SELF SUPPORT	11517 HIGHWAY 64	SOMERVILLE	FAYETTE	TN	35.23589	-89.43928	128.16	99.06	99.06	Within 10 km radius of base	65	0,120,240	0	Y	83.28	128.16	4.74	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
BROWNSVILLE	SELF SUPPORT	540 PROSPECT LANE	BROWNSVILL E	HAYWOOD	TN	35.58064	-89.29231	133.13	122.23	131.98	Within 10 km radius of base	65	60,180,300	0	Y	62.97	133.13	26.07	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MASON	SELF SUPPORT	5985 HIGHWAY 59 SOUTH	MASON	TIPTON	TN	35.48853	-89.59507	103.15	65.84	67.06	Within 10 km radius of base	65	30,150,270	0	Y	57.34	103.15	9.83	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
ADAMS	SELF SUPPORT	3892 HEAD ROAD	ADAMS	MONTGOMERY	TN	36.57751	-87.1423	170.36	85.65	88.39	Within 10 km radius of base	65	0,120,240	0	Y	87.34	170.36	19.70	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz

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												Width of beam at the half-power point (in degrees)	Orientation in horizontal plane (degrees from true North)	Orientation in vertical plane (degrees from horizontal)		Height above ground to antenna tip (in meters)	Elevation of ground at antenna site (AMSL) (meters)	Distance to nearest aircraft landing area (in km)	List natural formation or existing man-made structures (e.g. hills, trees, water tanks, towers) that would shield antenna from aircraft.	FX Station	MO Station	FX Station	MO Station				
NORMANDY	SELF SUPPORT	1459 THRONEBERY ROAD	NORMANDY	COFFEE	TN	35.44728	-86.24035	337.90	59.44	60.66	Within 10 km radius of base	65	60,180,300	0	Y	61.41	337.90	6.40	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
CEDAR GROVE	SELF SUPPORT	409 SHARON CHURCH ROAD	CEDAR GROVE	HENDERSON	TN	35.7579	-88.51026	166.88	80.77	86.87	Within 10 km radius of base	65	65180300	0	Y	83.59	166.88	16.11	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
BURNS	SELF SUPPORT	1335 GARTON ROAD	BURNS	DICKSON	TN	36.02829	-87.299	261.94	73.15	75.59	Within 10 km radius of base	65	300,90,180	0	Y	66.09	261.94	15.49	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
RICEVILLE	SELF SUPPORT	2038 COUNTY ROAD 50	RICEVILLE	MCMINN	TN	35.36531	-84.75614	288.51	88.39	88.39	Within 10 km radius of base	65	20,140,260	0	Y	81.69	288.51	17.07	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
BRIGHTON	GUYED	2090 FAYNE ROAD	BRIGHTON	TIPTON	TN	35.44752	-89.72762	124.09	122.23	124.36	Within 10 km radius of base	65	30,150,270	0	Y	122.34	124.09	14.39	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
BROWNSVILLE	GUYED	3698 WINDROW ROAD	BROWNSVILLE	HAYWOOD	TN	35.53909	-89.2574	124.06	60.96	65.84	Within 10 km radius of base	65	60,180,300	0	Y	41.72	124.06	29.74	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
TULLAHOMA	MONOPOLE	50 HIGHLAND HALL ROAD	TULLAHOMA	MOORE	TN	35.37073	-86.30508	348.53	43.59	44.81	Within 10 km radius of base	65	23,145,265	0	Y	42.98	348.53	4.30	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
HENDERSON	TANK	735 A EAST MAIN	HENDERSON	CHESTER	TN	35.4436	-88.6236	138.13	46.03	48.77	Within 10 km radius of base	65	0,120,240	0	Y	42.35	138.13	28.39	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
COLLEGE GROVE	GUYED	6492 B PEYTONSVILLE ARNO ROAD	COLLEGE GROVE	WILLIAMSON	TN	35.81422	-86.75722	334.15	105.46	110.64	Within 10 km radius of base	65	80,210,330	0	Y	84.24	334.15	29.30	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz

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												Width of beam at the half-power point (in degrees)	Orientation in horizontal plane (degrees from true North)	Orientation in vertical plane (degrees from horizontal)		Height above ground to antenna tip (in meters)	Elevation of ground at antenna site (AMSL) (meters)	Distance to nearest aircraft landing area (in km)	List natural formation or existing man-made structures (e.g. hills, trees, water tanks, towers) that would shield antenna from aircraft.	FX Station	MO Station	FX Station	MO Station				
TULLAHOMA	SELF SUPPORT	3956 OLD MANCHESTER HIGHWAY	TULLAHOMA	COFFEE	TN	35.39179	-86.1512	330.40	59.44	59.44	Within 10 km radius of base	65	90,210,330	0	Y	56.41	330.40	7.95	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
LENOIR CITY	SELF SUPPORT	5027 HUBBARD ROAD	LENOIR CITY	LOUDON	TN	35.79699	-84.31307	334.15	85.65	89.00	Within 10 km radius of base	65	90,150,270	0	Y	86.34	334.15	20.11	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
DANDRIDGE	SELF SUPPORT	1779 DUMPLIN TRACE	DANDRIDGE	JEFFERSON	TN	36.00263	-83.54911	325.08	75.90	79.55	Within 10 km radius of base	65	10,120,250	0	Y	73.89	325.08	16.03	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
RUTLEDGE	SELF SUPPORT	RFD 1	RUTLEDGE	GRAINGER	TN	36.18662	-83.5085	427.50	91.44	93.88	Within 10 km radius of base	65	0,120,240	0	Y	94.19	427.50	10.67	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MEMPHIS	SELF SUPPORT	4465 MENDENHALL ROAD	MEMPHIS	SHELBY	TN	35.02813	-89.88341	93.78	86.87	88.70	Within 10 km radius of base	65	60,180,300	0	Y	55.16	93.78	6.45	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MEMPHIS	SELF SUPPORT	776 FIRESTONE	MEMPHIS	SHELBY	TN	35.17557	-90.03122	72.79	46.03	49.07	Within 10 km radius of base	65	60,180,300	0	Y	48.28	72.79	2.86	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MEMPHIS	SELF SUPPORT	4363 GETWELL ROAD	MEMPHIS	SHELBY	TN	35.02888	-89.93805	110.73	45.72	46.94	Within 10 km radius of base	65	90,210,330	0	Y	31.72	110.73	2.32	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MEMPHIS	SELF SUPPORT	1150 MONROE	MEMPHIS	SHELBY	TN	35.13861	-90.02305	86.58	30.48	32.61	Within 10 km radius of base	65	60,180,300	0	Y	31.73	86.58	6.86	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MEMPHIS	SELF SUPPORT	3368 SOUTH THIRD	MEMPHIS	SHELBY	TN	35.05752	-90.05713	90.33	56.69	58.52	Within 10 km radius of base	65	90,210,330	0	Y	53.59	90.33	5.55	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz

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NASHVILLE	MONOPOLE	571C CLARIDGE DRIVE	NASHVILLE	DAVIDSON	TN	36.14355	-86.66752	172.86	33.53	37.19	Within 10 km radius of base	65	30150270	0	Y	35.47	172.86	0.28	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MURFREESBORO	SELF SUPPORT	3395 ALLEN BARRETT ROAD	MURFREESBORO	RUTHERFORD	TN	35.9968	-86.40988	185.98	56.69	59.13	Within 10 km radius of base	65	20,140,250	0	Y	53.28	185.98	8.62	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
CHRISTIANA	GUYED	7277 SHELBYVILLE PIKE	CHRISTIANA	RUTHERFORD	TN	35.6931	-86.40791	295.39	91.44	94.49	Within 10 km radius of base	65	100,220,350	0	Y	94.24	295.39	14.07	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
SPRING HILL	SELF SUPPORT	3047 DUPLEX ROAD	SPRING HILL	WILLIAMSON	TN	35.74609	-86.85688	257.57	44.20	46.33	Within 10 km radius of base	65	20,140,260	0	Y	38.28	257.57	26.27	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
CHRISTIANA	SELF SUPPORT	6107 EPPS MILL ROAD	CHRISTIANA	RUTHERFORD	TN	35.72741	-86.32188	208.49	73.15	77.72	Within 10 km radius of base	65	90,210,330	0	Y	66.11	208.49	16.52	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MIDDLETON	GUYED	80 OLD ENON ROAD	MIDDLETON	HARDEMAN	TN	35.04705	-88.91991	169.06	91.75	96.01	Within 10 km radius of base	65	65,180,295	0	Y	93.30	169.06	21.21	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
OAKLAND	GUYED	465 WIRT ROAD	OAKLAND	FAYETTE	TN	35.24304	-89.52341	111.28	121.92	124.66	Within 10 km radius of base	65	30,150,270	0	Y	123.91	111.28	12.09	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
OAKLAND	SELF SUPPORT	9670 HIGHWAY 193	OAKLAND	FAYETTE	TN	35.15262	-89.47653	120.03	91.75	92.97	Within 10 km radius of base	65	30,150,270	0	Y	92.97	120.03	8.94	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MEMPHIS	MONOPOLE	5885 ADVANTAGE COVE	MEMPHIS	SHELBY	TN	35.01586	-89.86704	102.50	57.00	60.66	Within 10 km radius of base	65	60,180,300	0	Y	47.66	102.50	7.78	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz

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EADS	MONOPOLE	11802 MACON ROAD	EADS	SHELBY	TN	35.16103	-89.66849	128.16	54.86	57.00	Within 10 km radius of base	65	60,180,300	0	Y	42.97	128.16	22.18	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
OAKLAND	GUYED	12197 HIGHWAY 194	OAKLAND	FAYETTE	TN	35.19219	-89.52036	119.09	91.44	94.79	Within 10 km radius of base	65	30,150,270	0	Y	83.93	119.09	11.19	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
COVINGTON	MONOPOLE	156 ARNOLD SANDERS ROAD	COVINGTON	TIPTON	TN	35.55006	-89.57557	100.96	59.44	60.66	Within 10 km radius of base	65	30,150,270	0	Y	60.16	100.96	3.10	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
JACKSON	MONOPOLE	400 JAMES LAWRENCE ROAD	JACKSON	MADISON	TN	35.59628	-88.94578	123.75	51.82	53.04	Within 10 km radius of base	65	5,130,250	0	Y	52.03	123.75	2.02	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
SPRING CITY	SELF SUPPORT	800 MAJESTIC VIEW ROAD	SPRING CITY	RHEA	TN	35.76267	-84.76553	341.03	76.20	79.25	Within 10 km radius of base	65	90210300	0	Y	77.03	341.03	18.22	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
SEVIERVILLE	MONOPOLE	3170 ENGLE TOWN ROAD UNIT #2	SEVIERVILLE	SEVIER	TN	35.78104	-83.5866	516.48	57.00	58.83	Within 10 km radius of base	65	0,120,240	0	Y	50.47	516.48	9.69	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
LENOIR CITY	SELF SUPPORT	17701 HIGHWAY 321 SOUTH	LENOIR CITY	LOUDON	TN	35.7537	-84.21416	353.22	84.13	86.56	Within 10 km radius of base	65	0,120,240	0	Y	84.81	353.22	18.58	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MEMPHIS	SELF SUPPORT	5429 BOLEN HUSE ROAD	MEMPHIS	SHELBY	TN	35.25899	-89.88196	87.52	89.92	91.75	Within 10 km radius of base	65	30,150,270	0	Y	88.30	87.52	4.47	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
FRANKLIN	GUYED	4552 CAMPBELL ROAD	FRANKLIN	WILLIAMSON	TN	35.82422	-86.82444	356.34	91.44	97.54	Within 10 km radius of base	65	90,210,330	0	Y	48.91	356.34	32.94	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz

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FRANKLIN	MONOPOLE	1232 LULA LANE	FRANKLIN	WILLIAMSON	TN	35.88451	-86.9141	315.39	62.48	62.48	Within 10 km radius of base	65	0,120,240	0	Y	47.36	315.39	31.12	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
HUMBOLDT	MONOPOLE	69E FESMIRE ROAD	HUMBOLDT	MADISON	TN	35.7661	-88.84111	126.88	68.58	76.20	Within 10 km radius of base	65	90,210,330	0	Y	70.78	126.88	4.65	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
PORTLAND	MONOPOLE	5422 LONG ROAD	PORTLAND	ROBERTSON	TN	36.59794	-86.59866	236.62	74.68	78.03	Within 10 km radius of base	65	90,210,330	0	Y	69.53	236.62	10.50	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MEMPHIS	SELF SUPPORT	2670 FITE ROAD	MEMPHIS	SHELBY	TN	35.27221	-89.97329	74.08	58.52	60.66	Within 10 km radius of base	65	90,150,270	0	Y	60.47	74.08	3.06	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
UNION CITY	SELF SUPPORT	1621 A MILES AVENUE EXT	UNION CITY	OBION	TN	36.44091	-89.0356	100.31	103.63	106.38	Within 10 km radius of base	65	90,160,270	0	Y	94.22	100.31	7.19	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
GERMANTOWN	SELF SUPPORT	8165 HIGHWAY 72	GERMANTOWN	SHELBY	TN	35.08277	-89.79131	111.75	30.48	41.15	Within 10 km radius of base	65	60180300	0	Y	27.66	111.75	10.71	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MEMPHIS	MONOPOLE	845 NORTH FRONT STREET	MEMPHIS	SHELBY	TN	35.16583	-90.04769	71.77	55.17	57.61	Within 10 km radius of base	65	358,118,238	0	Y	49.23	71.77	3.28	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MEMPHIS	MONOPOLE	3793 EDISON ROAD	MEMPHIS	SHELBY	TN	35.04555	-89.90615	96.28	58.52	58.83	Within 10 km radius of base	65	60180300	0	Y	58.91	96.28	3.82	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MASON	MONOPOLE	5507 OLD 59 DRIVE	MASON	FAYETTE	TN	35.37423	-89.46581	110.63	95.10	97.54	Within 10 km radius of base	65	90,150,270	0	Y	78.56	110.63	19.01	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz

City	Type of Structure	Structure Address	Structure City	Structure County	Structure State	LATITUDE	LONGITUDE	Ground Elevation (m)	Structure Height w/out Appurtenance (m)	Structure Height with Appurtenances (m)	If Mobile, describe the exact area of operation (for example: within 100 meters from the base)	Answer Below If "Yes" to Directional Antenna			Antenna Extend >6m above structure or ground? (Y/N)	Answer Below If "Yes" to Antenna Extend > 6M Above Structure or Ground				Power in Watts		ERP in Watts		Frequency Tolerance	Emission Designator	Modulating Signal	Necessary Bandwidth
												Width of beam at the half-power point (in degrees)	Orientation in horizontal plane (degrees from true North)	Orientation in vertical plane (degrees from horizontal)		Height above ground to antenna tip (in meters)	Elevation of ground at antenna site (AMSL) (meters)	Distance to nearest aircraft landing area (in km)	List natural formation or existing man-made structures (e.g. hills, trees, water tanks, towers) that would shield antenna from aircraft.	FX Station	MO Station	FX Station	MO Station				
COVINGTON	GUYED	1995A HIGHWAY 51 SOUTH	COVINGTON	TIPTON	TN	35.53631	-89.68057	121.88	109.73	113.69	Within 10 km radius of base	65	30,150,270	0	Y	80.47	121.88	9.33	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
RIPLEY	GUYED	2730 HIGHWAY 19 EAST	RIPLEY	LAUDERDALE	TN	35.72054	-89.49972	126.88	121.92	123.45	Within 10 km radius of base	65	55,175,295	0	Y	124.84	126.88	16.28	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
CUMBERLAND CITY	GUYED	725 CONGER STREET	CUMBERLAND CITY	STEWART	TN	36.37858	-87.6378	202.55	121.92	128.02	Within 10 km radius of base	65	40165285	0	Y	120.78	202.55	29.94	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
BOLIVAR	GUYED	305 LUCY BLACK ROAD	BOLIVAR	HARDEMAN	TN	35.29091	-89.03147	140.98	117.04	118.87	Within 10 km radius of base	65	60,180,300	0	Y	121.09	140.98	7.70	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
HOHENWALD	GUYED	103 ZIMMERMAN STREET	HOHENWALD	LEWIS	TN	35.54555	-87.54111	297.19	122.23	125.88	Within 10 km radius of base	65	0,120,240	0	Y	125.19	297.19	4.85	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
ROSSVILLE	SELF SUPPORT	6005 HIGHWAY 57	ROSSVILLE	FAYETTE	TN	35.04416	-89.53888	99.38	86.56	92.66	Within 10 km radius of base	65	60,180,300	0	Y	87.97	99.38	21.65	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
FAYETTEVILLE	GUYED	230 HUNTERS TRAIL	FAYETTEVILLE	LINCOLN	TN	35.14805	-86.54361	312.58	92.36	96.01	Within 10 km radius of base	65	30,150,270	0	Y	94.22	312.58	9.08	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
SEWANEE	SELF SUPPORT	15127 SEWANEE HIGHWAY	SEWANEE	FRANKLIN	TN	35.21945	-85.88541	634.54	54.86	60.66	Within 10 km radius of base	65	60,300,180	0	Y	53.91	634.54	1.39	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
ESTILL SPRINGS	MONOPOLE	176 DEANS SHOP ROAD	ESTILL SPRINGS	FRANKLIN	TN	35.33429	-86.03094	318.83	59.44	60.66	Within 10 km radius of base	65	20,140,250	0	Y	61.41	318.83	16.82	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz

City	Type of Structure	Structure Address	Structure City	Structure County	Structure State	LATITUDE	LONGITUDE	Ground Elevation (m)	Structure Height w/out Appurtenance (m)	Structure Height with Appurtenances (m)	If Mobile, describe the exact area of operation (for example: within 100 meters from the base)	Answer Below If "Yes" to Directional Antenna			Antenna Extend >6m above structure or ground? (Y/N)	Answer Below if "Yes" to Antenna Extend > 6M Above Structure or Ground				Power in Watts		ERP in Watts		Frequency Tolerance	Emission Designator	Modulating Signal	Necessary Bandwidth
												Width of beam at the half-power point (in degrees)	Orientation in horizontal plane (degrees from true North)	Orientation in vertical plane (degrees from horizontal)		Height above ground to antenna tip (in meters)	Elevation of ground at antenna site (AMSL) (meters)	Distance to nearest aircraft landing area (in km)	List natural formation or existing man-made structures (e.g. hills, trees, water tanks, towers) that would shield antenna from aircraft.	FX Station	MO Station	FX Station	MO Station				
RIPLEY	MONOPOLE	195 WILLIAMS SWITCH ROAD 1	RIPLEY	LAUDERDALE	TN	35.70805	-89.55805	133.13	76.51	78.94	Within 10 km radius of base	65	30,150,270	0	Y	78.59	133.13	13.278	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MEDINA	SELF SUPPORT	51-8 JACKSON HIGHWAY	MEDINA	GIBSON	TN	35.79408	-88.78619	143.75	91.44	95.40	Within 10 km radius of base	65	75,200,320	0	Y	76.74	143.75	7.56515	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MEMPHIS	MONOPOLE	7794 MOORE ROAD	MEMPHIS	SHELBY	TN	35.12766	-89.80297	87.52	58.52	60.96	Within 10 km radius of base	65	60,180,300	0	Y	57.98	87.52	14.8292	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
MEMPHIS	ROOFTOP	44 NORTH SECOND STREET	MEMPHIS	SHELBY	TN	35.14611	-90.05083	82.83	45.72	49.07	Within 10 km radius of base	65	60,180,300	0	N	49.53	82.83	5.44918	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
KINGSTON	SELF SUPPORT	1825 ROARK ROAD	KINGSTON	ROANE	TN	35.87858	-84.49722	327.81	56.39	59.13	Within 10 km radius of base	65	0,120,240	0	Y	52.97	327.81	6.72443	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz
CALHOUN	SELF SUPPORT	2928 COUNTY ROAD 28	CALHOUN	MCMINN	TN	35.31857	-84.75878	299.14	76.51	78.94	Within 10 km radius of base	65	90,210,330	0	Y	78.58	299.14	12.3026	There are trees (30-40 ft high) surrounding tower where antenna will be installed	12.60	0.13	121.62	6.10	0.001	100MW7W	multi-channel digital information	50 MHz