Engineering Statement

In Support of an Application for a Construction Permit

WDZZ, Flint, MI
Channel 224A

WDZZ Terrain-Contour Study

Reference Coordinates:
North Latitude: 43-00-39
West Longitude: 83-39-04

ERP = 6.0 kW	FM - 2-6 Tables		F(50-50)	F(50-50)
Azimuth °T.	Ave. Elev. 3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dBk)	Distance to 70 dBu Contour km	Distance to 60 dBu Contour km
0.0	232.4	92.1	7.782	15.4	27.2
5.0	231.4	93.1	7.782	15.5	27.4
10.0	230.1	94.4	7.782	15.6	27.5
15.0	229.0	95.5	7.640	15.6	27.5
20.0	229.2	95.3	7.499	15.4	27.3
25.0	230.2	94.3	6.505	14.5	25.9
30.0	229.8	94.7	5.511	13.7	24.5
35.0	229.8	94.7	4.521	13.0	23.4
40.0	229.4	95.1	3.531	12.2	22.1
45.0	230.2	94.3	2.980	11.8	21.4
50.0	234.5	90.0	2.429	11.2	20.3
55.0	235.3	89.2	2.469	11.2	20.2
60.0	237.2	87.3	2.509	11.1	20.0
65.0	238.8	85.7	3.104	11.4	20.5
70.0	238.1	86.4	3.699	11.8	21.3
75.0	238.9	85.6	4.491	12.3	22.2
80.0	238.7	85.8	5.283	12.8	23.1
85.0	240.1	84.4	6.309	13.5	24.3
90.0	242.8	81.7	7.336	14.1	25.1
95.0	243.6	80.9	7.559	14.2	25.3
100.0	244.4	80.1	7.782	14.3	25.5
105.0	246.4	78.1	7.782	14.1	25.2
110.0	249.1	75.4	7.782	13.9	24.8
115.0	251.8	72.7	7.782	13.6	24.4
120.0	253.9	70.6	7.782	13.5	24.1
125.0	256.2	68.3	7.782	13.3	23.7
130.0	253.9	70.6	7.782	13.5	24.1
135.0	255.8	68.7	7.782	13.3	23.8
140.0	257.4	67.1	7.782	13.1	23.5
145.0	257.8	66.7	7.782	13.1	23.5
150.0	258.6	65.9	7.782	13.1	23.4
155.0	260.4	64.1	7.782	12.9	23.1

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ERP = 6.0 kW		FM - 2-6 Tables		F(50-50)	F(50-50)
Azimuth °T.	Ave. Elev. 3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dBk)	Distance to 70 dBu Contour km	Distance to 60 dBu Contour km
160.0	261.3	63.2	7.782	12.8	22.9
165.0	261.1	63.4	7.782	12.8	23.0
170.0	259.3	65.2	7.782	13.0	23.3
175.0	257.9	66.6	7.640	13.0	23.3
180.0	256.0	68.5	7.499	13.1	23.4
185.0	254.2	70.3	6.550	12.6	22.6
190.0	252.4	72.1	5.601	12.1	21.6
195.0	251.0	73.5	4.650	11.6	20.8
200.0	249.9	74.6	3.699	11.0	19.8
205.0	247.1	77.4	2.884	10.8	19.3
210.0	245.6	78.9	2.068	10.3	18.5
215.0	245.3	79.2	1.095	9.8	17.5
220.0	243.0	81.5	0.122	9.4	16.7
225.0	240.0	84.5	-0.759	9.1	16.1
230.0	237.4	87.1	-1.640	8.8	15.5
235.0	234.9	89.6	-2.320	8.6	15.1
240.0	232.5	92.0	-3.001	8.3	14.7
245.0	230.3	94.2	-3.185	8.3	14.7
250.0	232.5	92.0	-3.369	8.1	14.4
255.0	237.6	86.9	-2.783	8.2	14.4
260.0	235.8	88.7	-2.197	8.6	15.1
265.0	231.3	93.2	-2.294	8.7	15.4
270.0	226.3	98.2	-2.391	8.9	15.8
275.0	224.4	100.1	-1.611	9.4	16.9
280.0	224.3	100.2	-0.831	9.9	17.7
285.0	218.5	106.0	0.036	10.7	19.3
290.0	222.0	102.5	0.903	11.0	19.9
295.0	230.3	94.2	1.886	11.2	20.2
300.0	229.4	95.1	2.868	11.8	21.3
305.0	231.8	92.7	3.850	12.4	22.3
310.0	232.5	92.0	4.831	13.0	23.3
315.0	230.5	94.0	5.815	13.9	24.9
320.0	230.6	93.9	6.799	14.7	26.1
325.0	231.6	92.9	7.290	15.0	26.7
330.0	232.0	92.5	7.782	15.4	27.3
335.0	232.9	91.6	7.782	15.3	27.1
340.0	232.7	91.8	7.782	15.4	27.2
345.0	233.7	90.8	7.782	15.3	27.0
350.0	235.3	89.2	7.782	15.1	26.8
355.0	234.4	90.1	7.782	15.2	26.9