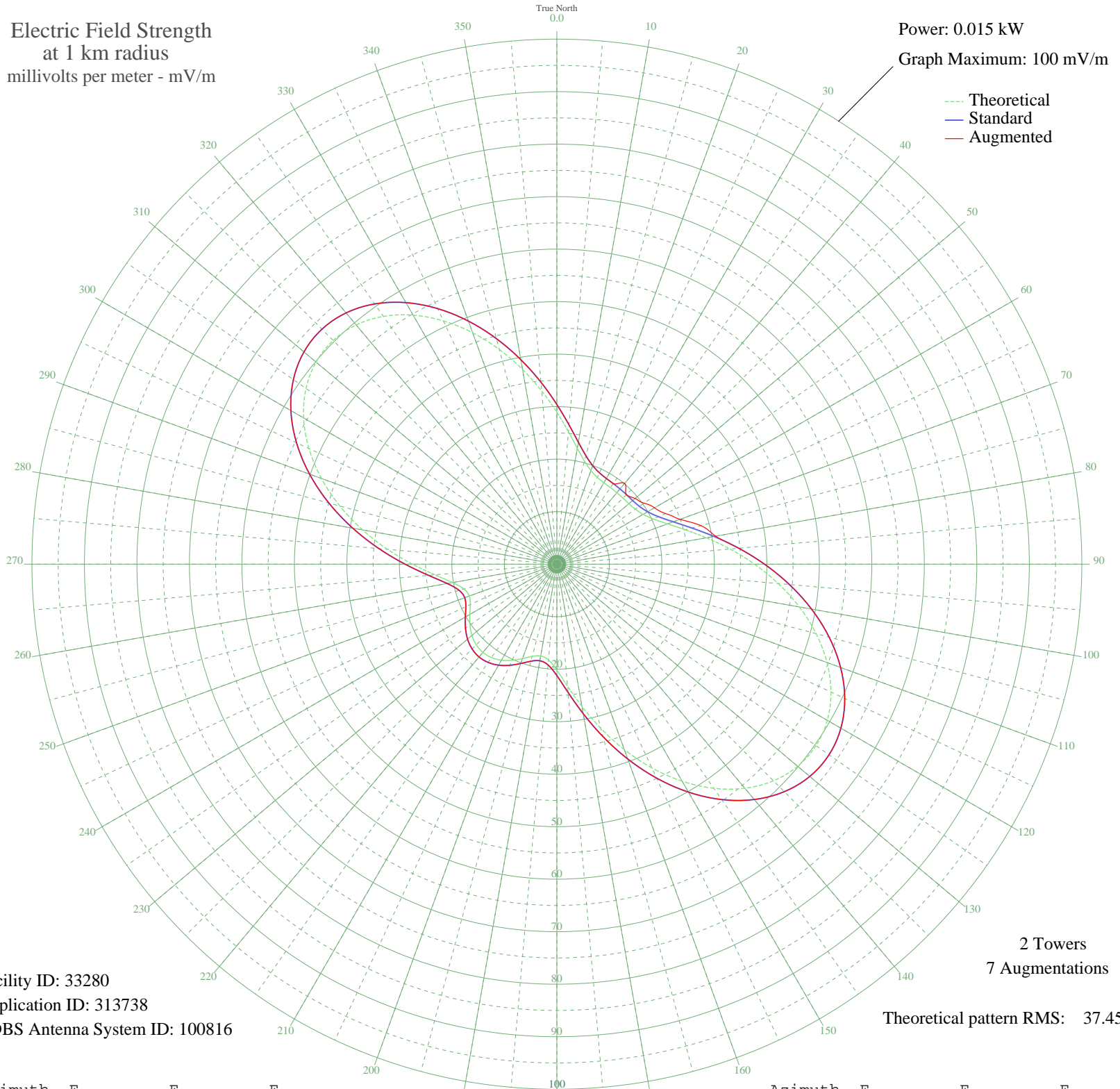


# WKPR KALAMAZOO, MI BL-- 1420 kHz

Nighttime

Electric Field Strength  
at 1 km radius  
millivolts per meter - mV/m

Power: 0.015 kW  
Graph Maximum: 100 mV/m



Facility ID: 33280  
Application ID: 313738  
CDBS Antenna System ID: 100816

2 Towers  
7 Augmentations  
Theoretical pattern RMS: 37.45

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	28.93	30.40	30.40
5	25.32	26.62	26.62
10	22.43	23.58	23.58
15	20.33	21.38	21.38
20	18.98	19.97	19.97
25	18.24	19.20	19.20
30	17.91	18.85	18.85
35	17.80	18.73	18.73
40	17.78	18.71	20.11
45	17.80	18.73	18.73
50	17.91	18.85	19.46
55	18.24	19.20	20.26
60	18.98	19.97	21.48
65	20.33	21.38	22.81
70	22.43	23.58	24.97
75	25.32	26.62	28.40
80	28.93	30.40	30.71
85	33.11	34.79	34.79
90	37.65	39.55	39.55
95	42.33	44.46	44.46
100	46.90	49.26	49.26
105	51.13	53.70	53.70
110	54.77	57.52	57.52
115	57.61	60.50	60.50
120	59.49	62.47	62.47
125	60.27	63.29	63.29
130	59.88	62.89	62.89
135	58.34	61.27	61.27
140	55.71	58.51	58.51
145	52.11	54.73	54.73
150	47.73	50.13	50.13
155	42.80	44.96	44.96
160	37.58	39.48	39.48
165	32.38	34.02	34.02
170	27.51	28.91	28.91
175	23.32	24.52	24.52

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

14 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	20.17	21.21	21.21
185	18.31	19.27	19.27
190	17.75	18.69	18.69
195	18.18	19.13	19.13
200	19.13	20.13	20.13
205	20.20	21.25	21.25
210	21.11	22.21	22.21
215	21.71	22.84	22.84
220	21.92	23.05	23.10
225	21.71	22.84	22.84
230	21.11	22.21	22.21
235	20.20	21.25	21.25
240	19.13	20.13	20.13
245	18.18	19.13	19.13
250	17.75	18.69	18.68
255	18.31	19.27	19.27
260	20.17	21.21	21.21
265	23.32	24.52	24.52
270	27.51	28.91	28.91
275	32.38	34.02	34.02
280	37.58	39.48	39.48
285	42.80	44.96	44.96
290	47.73	50.13	50.13
295	52.11	54.73	54.73
300	55.71	58.51	58.51
305	58.34	61.27	61.27
310	59.88	62.89	62.89
315	60.27	63.29	63.29
320	59.49	62.47	62.47
325	57.61	60.50	60.50
330	54.77	57.52	57.52
335	51.13	53.70	53.70
340	46.90	49.26	49.26
345	42.33	44.46	44.46
350	37.65	39.55	39.55
355	33.11	34.79	34.79