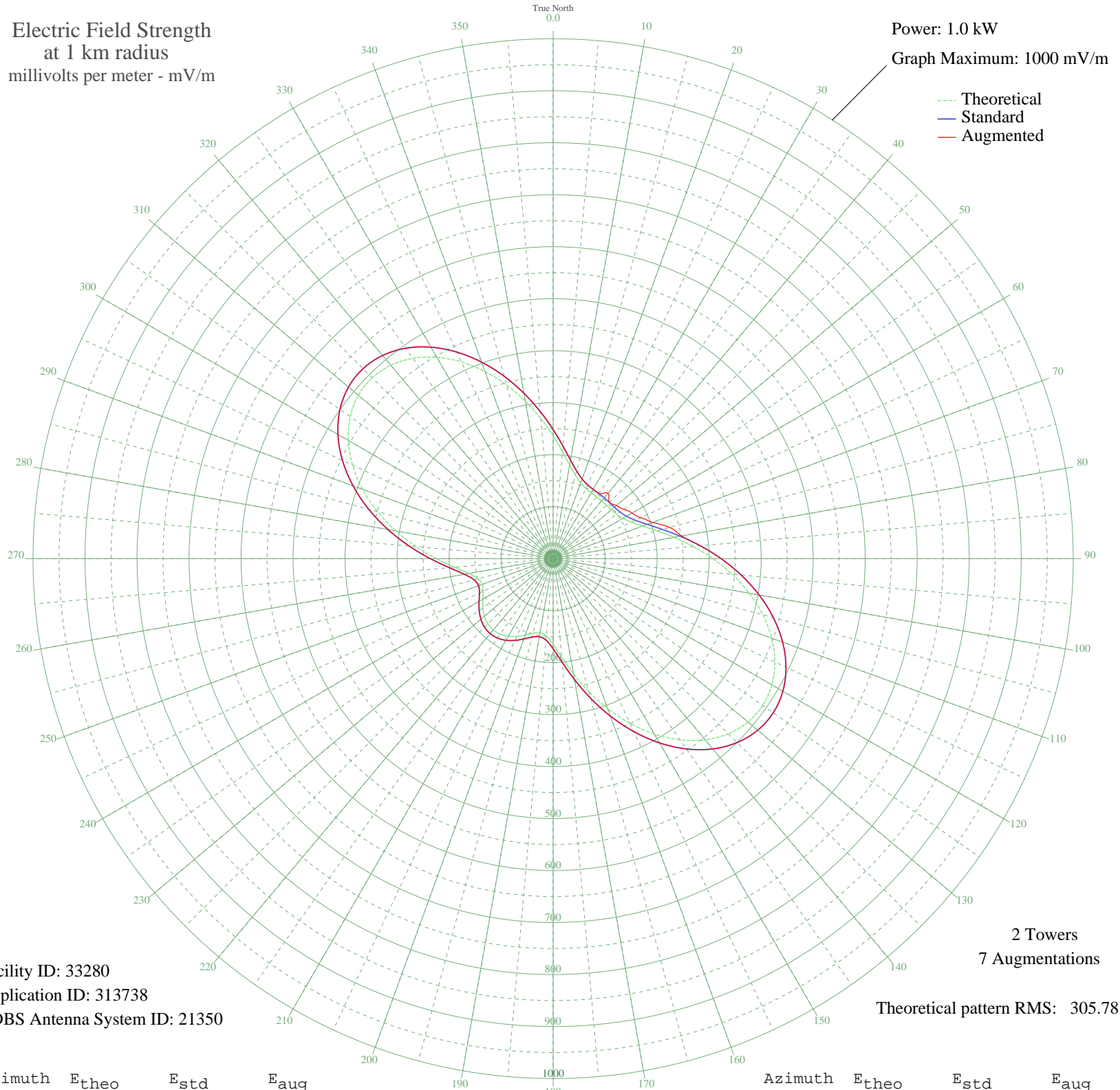


# WKPR KALAMAZOO, MI BL-- 1420 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 33280  
Application ID: 313738  
CDBS Antenna System ID: 21350

2 Towers  
7 Augmentations  
Theoretical pattern RMS: 305.78

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	236.21	248.24	248.24
5	206.73	217.32	217.32
10	183.11	192.56	192.56
15	165.96	174.58	174.58
20	154.96	163.05	163.05
25	148.93	156.73	156.73
30	146.24	153.91	153.91
35	145.32	152.95	152.95
40	145.14	152.76	164.15
45	145.32	152.95	152.95
50	146.24	153.91	158.98
55	148.93	156.73	165.46
60	154.96	163.05	175.23
65	165.96	174.58	185.92
70	183.11	192.56	203.62
75	206.73	217.32	231.95
80	236.21	248.24	250.72
85	270.32	284.03	284.03
90	307.41	322.95	322.95
95	345.61	363.04	363.04
100	382.95	402.23	402.23
105	417.43	438.43	438.43
110	447.15	469.63	469.63
115	470.38	494.01	494.01
120	485.68	510.08	510.08
125	492.05	516.76	516.76
130	488.94	513.50	513.50
135	476.36	500.29	500.29
140	454.84	477.70	477.70
145	425.45	446.85	446.85
150	389.69	409.31	409.31
155	349.43	367.06	367.06
160	306.86	322.37	322.37
165	264.37	277.79	277.79
170	224.60	236.07	236.07
175	190.41	200.20	200.20

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	164.66	173.21	173.21
185	149.50	157.32	157.32
190	144.95	152.56	152.56
195	148.45	156.23	156.23
200	156.21	164.35	164.35
205	164.93	173.49	173.49
210	172.39	181.31	181.31
215	177.29	186.45	186.45
220	178.99	188.24	188.29
225	177.29	186.45	186.45
230	172.39	181.31	181.31
235	164.93	173.49	173.49
240	156.21	164.35	164.35
245	148.45	156.23	156.23
250	144.95	152.56	152.71
255	149.50	157.32	157.34
260	164.66	173.21	173.21
265	190.41	200.20	200.20
270	224.60	236.07	236.07
275	264.37	277.79	277.79
280	306.86	322.37	322.37
285	349.43	367.06	367.06
290	389.69	409.31	409.31
295	425.45	446.85	446.85
300	454.84	477.70	477.70
305	476.36	500.29	500.29
310	488.94	513.50	513.50
315	492.05	516.76	516.76
320	485.68	510.08	510.08
325	470.38	494.01	494.01
330	447.15	469.63	469.63
335	417.43	438.43	438.43
340	382.95	402.23	402.23
345	345.61	363.04	363.04
350	307.41	322.95	322.95
355	270.32	284.03	284.03