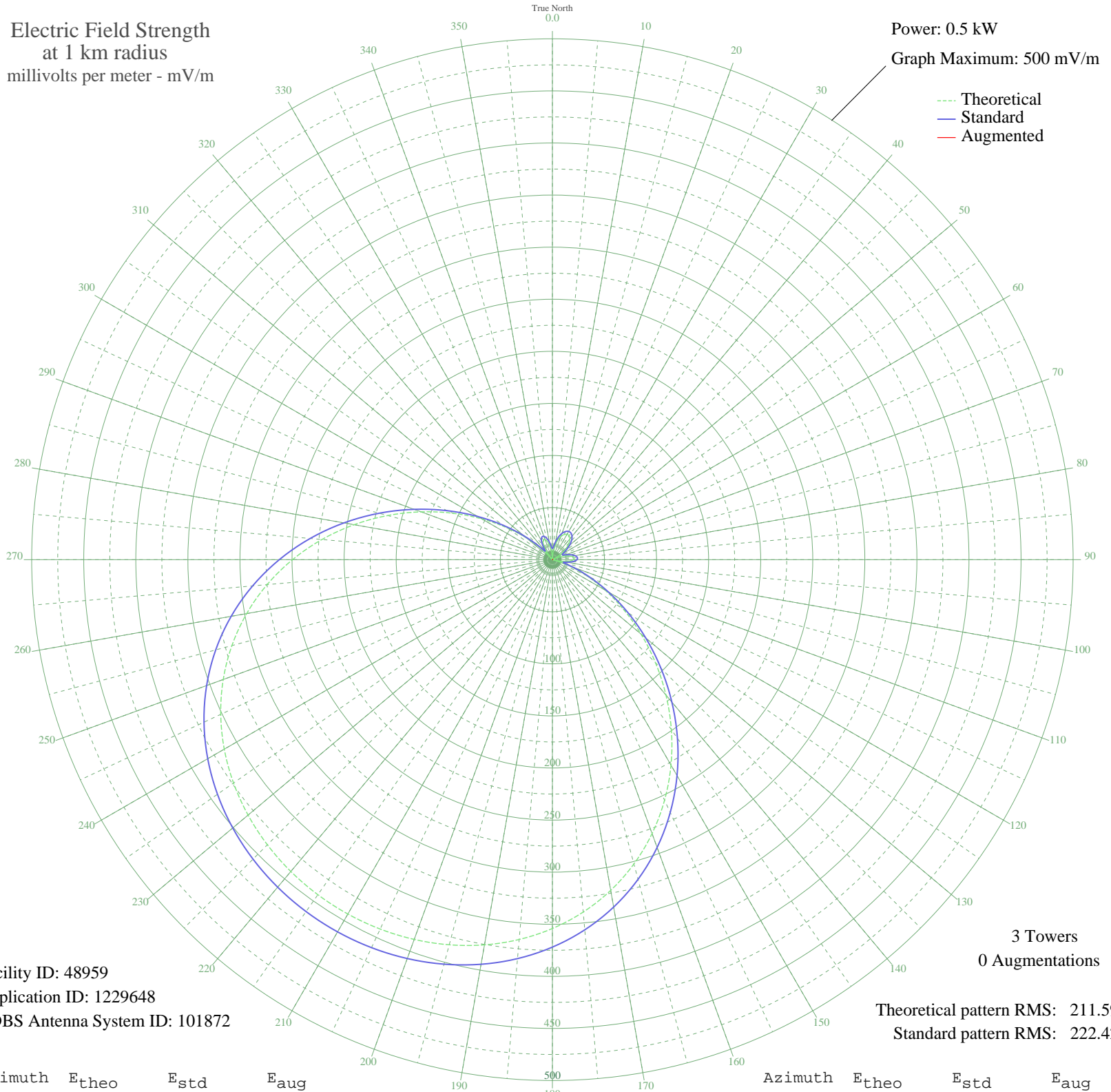


# KCWJ BLUE SPRINGS, MO BL-20080109AGM 1030 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 48959  
Application ID: 1229648  
CDBS Antenna System ID: 101872

3 Towers  
0 Augmentations

Theoretical pattern RMS: 211.59  
Standard pattern RMS: 222.42

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	0.28	10.50	
5	6.62	12.59	
10	13.16	17.36	
15	18.89	22.44	
20	23.45	26.77	
25	26.57	29.81	
30	28.09	31.31	
35	27.92	31.14	
40	26.07	29.32	
45	22.64	25.99	
50	17.83	21.46	
55	11.91	16.33	
60	5.26	11.86	
65	1.67	10.64	
70	8.32	13.66	
75	14.13	18.17	
80	18.45	22.03	
85	20.66	24.10	
90	20.17	23.64	
95	16.47	20.23	
100	9.14	14.23	
105	2.04	10.72	
110	17.14	20.84	
115	36.02	39.25	
120	58.34	62.15	
125	83.57	88.37	
130	111.05	117.08	
135	140.02	147.39	
140	169.65	178.44	
145	199.14	209.36	
150	227.74	239.36	
155	254.81	267.76	
160	279.82	294.00	
165	302.42	317.71	
170	322.36	338.64	
175	339.58	356.71	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	354.09	371.94	
185	366.00	384.44	
190	375.49	394.40	
195	382.74	402.01	
200	387.94	407.48	
205	391.26	410.96	
210	392.80	412.58	
215	392.63	412.40	
220	390.74	410.41	
225	387.06	406.55	
230	381.46	400.67	
235	373.78	392.61	
240	363.82	382.15	
245	351.40	369.12	
250	336.35	353.33	
255	318.59	334.68	
260	298.10	313.18	
265	275.00	288.95	
270	249.55	262.23	
275	222.13	233.47	
280	193.29	203.23	
285	163.71	172.22	
290	134.15	141.24	
295	105.41	111.18	
300	78.32	82.90	
305	53.62	57.27	
310	31.96	35.16	
315	13.81	17.91	
320	0.51	10.51	
325	10.91	15.54	
330	17.49	21.15	
335	20.51	23.96	
340	20.42	23.87	
345	17.73	21.38	
350	13.06	17.27	
355	7.04	12.84	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission