

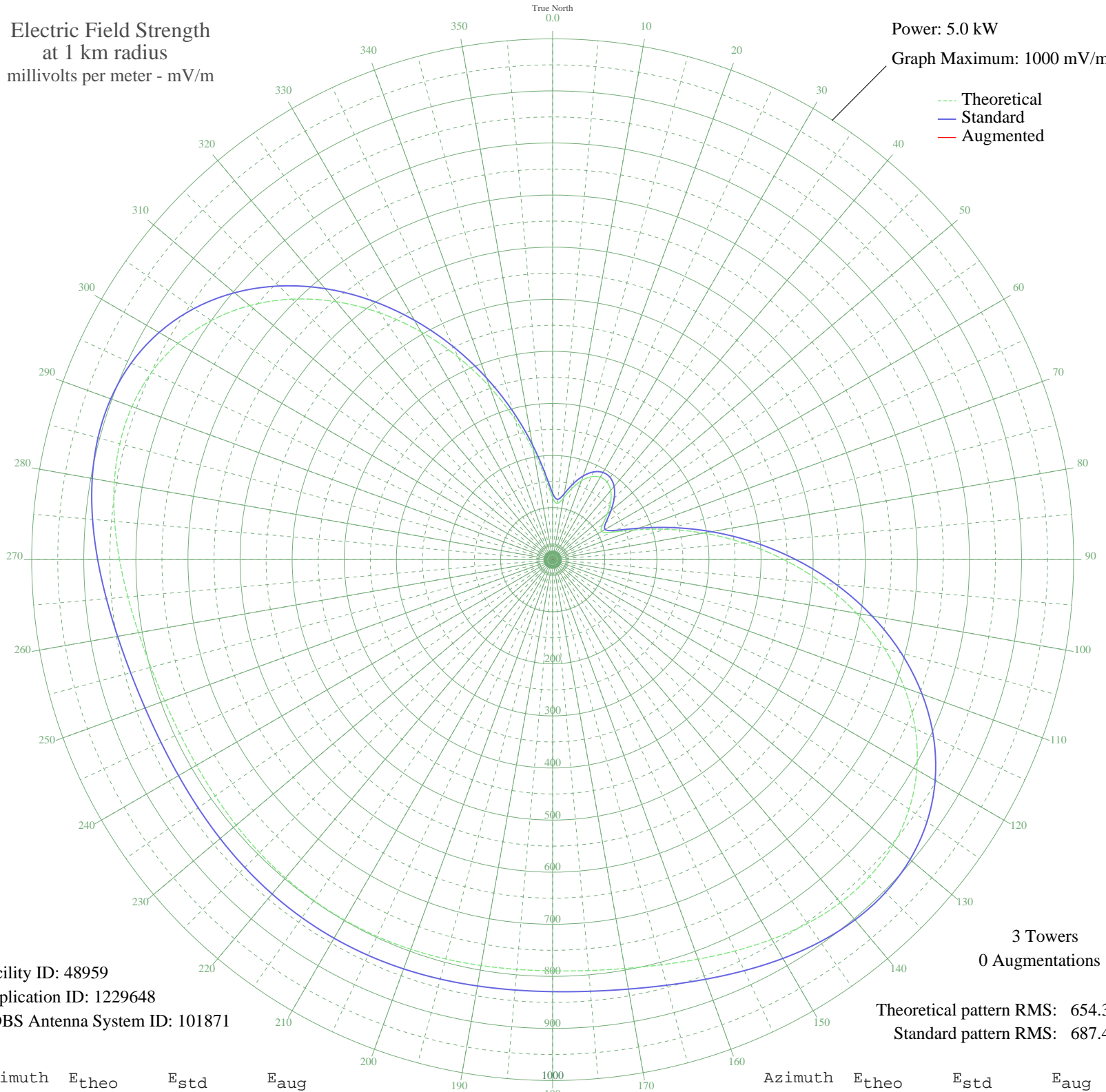
# KCWJ BLUE SPRINGS, MO BL-20080109AGM 1030 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 48959  
Application ID: 1229648  
CDBS Antenna System ID: 101871

3 Towers  
0 Augmentations

Theoretical pattern RMS: 654.31  
Standard pattern RMS: 687.43

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	119.21	127.36	
5	108.38	116.20	
10	120.44	128.62	
15	141.34	150.25	
20	161.20	170.89	
25	175.61	185.88	
30	182.74	193.31	
35	181.94	192.47	
40	173.28	183.45	
45	157.58	167.11	
50	137.02	145.78	
55	116.87	124.94	
60	108.34	116.15	
65	124.76	133.08	
70	166.66	176.56	
75	225.32	237.74	
80	293.86	309.44	
85	367.92	387.03	
90	444.25	467.05	
95	519.98	546.49	
100	592.48	622.55	
105	659.32	692.69	
110	718.39	754.68	
115	768.03	806.77	
120	807.12	847.81	
125	835.24	877.31	
130	852.62	895.56	
135	860.21	903.53	
140	859.55	902.83	
145	852.61	895.55	
150	841.63	884.02	
155	828.83	870.59	
160	816.20	857.33	
165	805.28	845.87	
170	797.05	837.23	
175	791.87	831.79	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	789.56	829.37	
185	789.59	829.41	
190	791.20	831.10	
195	793.59	833.60	
200	796.04	836.17	
205	797.95	838.18	
210	798.94	839.22	
215	798.83	839.10	
220	797.63	837.84	
225	795.57	835.68	
230	793.09	833.08	
235	790.79	830.67	
240	789.44	829.24	
245	789.82	829.64	
250	792.66	832.63	
255	798.46	838.71	
260	807.27	847.96	
265	818.63	859.88	
270	831.43	873.32	
275	844.04	886.56	
280	854.40	897.43	
285	860.25	903.57	
290	859.41	902.69	
295	849.97	892.77	
300	830.49	872.33	
305	800.18	840.52	
310	758.92	797.21	
315	707.29	743.02	
320	646.51	679.25	
325	578.36	607.73	
330	505.01	530.78	
335	428.94	451.00	
340	352.83	371.22	
345	279.59	294.51	
350	212.62	224.48	
355	156.65	166.15	

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.

15 Mar 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission