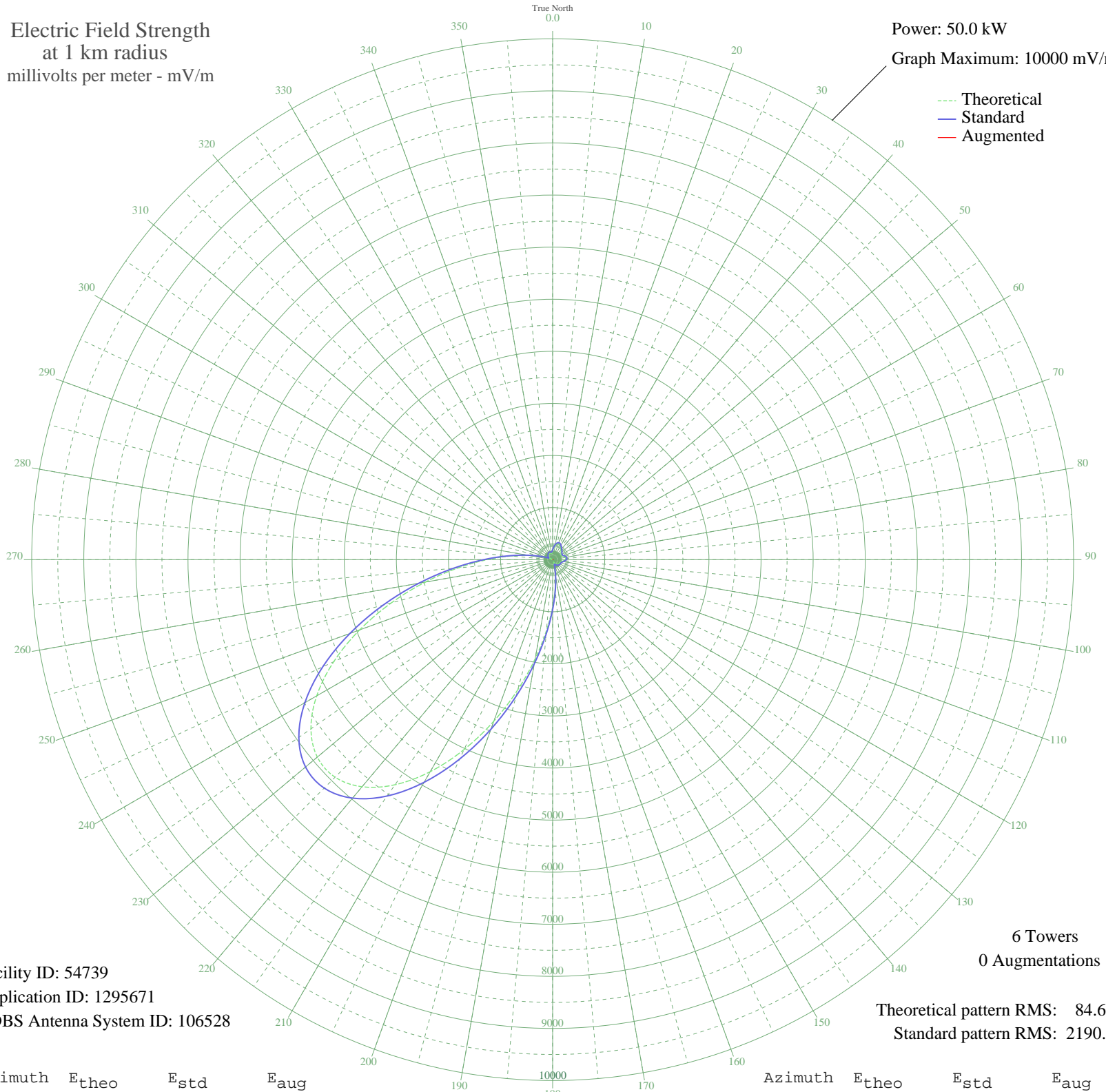


# KXEN ST. LOUIS, MO BP-20080626ABH 1010 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 10000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 54739  
Application ID: 1295671  
CDBS Antenna System ID: 106528

6 Towers  
0 Augmentations

Theoretical pattern RMS: 84.60  
Standard pattern RMS: 2190.09

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	167.07	190.48	
5	220.19	242.82	
10	271.14	294.22	
15	307.90	331.71	
20	323.60	347.80	
25	317.50	341.54	
30	295.30	318.83	
35	267.31	290.33	
40	243.34	266.07	
45	226.21	248.85	
50	211.37	234.03	
55	195.09	217.88	
60	182.22	205.23	
65	184.08	207.05	
70	204.04	226.74	
75	230.82	253.48	
80	250.09	272.89	
85	253.48	276.32	
90	239.90	262.61	
95	214.20	236.84	
100	184.98	207.94	
105	161.40	185.02	
110	148.50	172.70	
115	144.17	168.61	
120	142.42	166.96	
125	138.81	163.57	
130	132.11	157.33	
135	123.03	148.99	
140	112.46	139.48	
145	99.92	128.53	
150	82.53	114.12	
155	56.86	95.27	
160	51.94	92.13	
165	139.35	164.07	
170	304.60	328.34	
175	555.67	588.16	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	906.86	955.10	
185	1366.45	1436.70	
190	1931.86	2029.81	
195	2586.46	2716.80	
200	3298.39	3464.11	
205	4021.73	4223.47	
210	4700.57	4936.15	
215	5275.49	5539.76	
220	5691.56	5976.60	
225	5906.51	6202.28	
230	5897.31	6192.63	
235	5664.05	5947.71	
240	5229.91	5491.90	
245	4637.60	4870.05	
250	3942.78	4140.58	
255	3205.83	3366.94	
260	2483.77	2609.02	
265	1823.54	1916.15	
270	1257.72	1322.69	
275	803.14	846.56	
280	461.91	490.66	
285	224.37	247.01	
290	73.13	106.81	
295	16.12	76.15	
300	58.51	96.37	
305	78.36	110.83	
310	88.75	119.15	
315	97.85	126.76	
320	108.42	135.91	
325	119.82	146.09	
330	129.60	155.02	
335	134.43	159.49	
340	131.67	156.92	
345	122.19	148.23	
350	115.05	141.79	
355	127.75	153.32	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission