

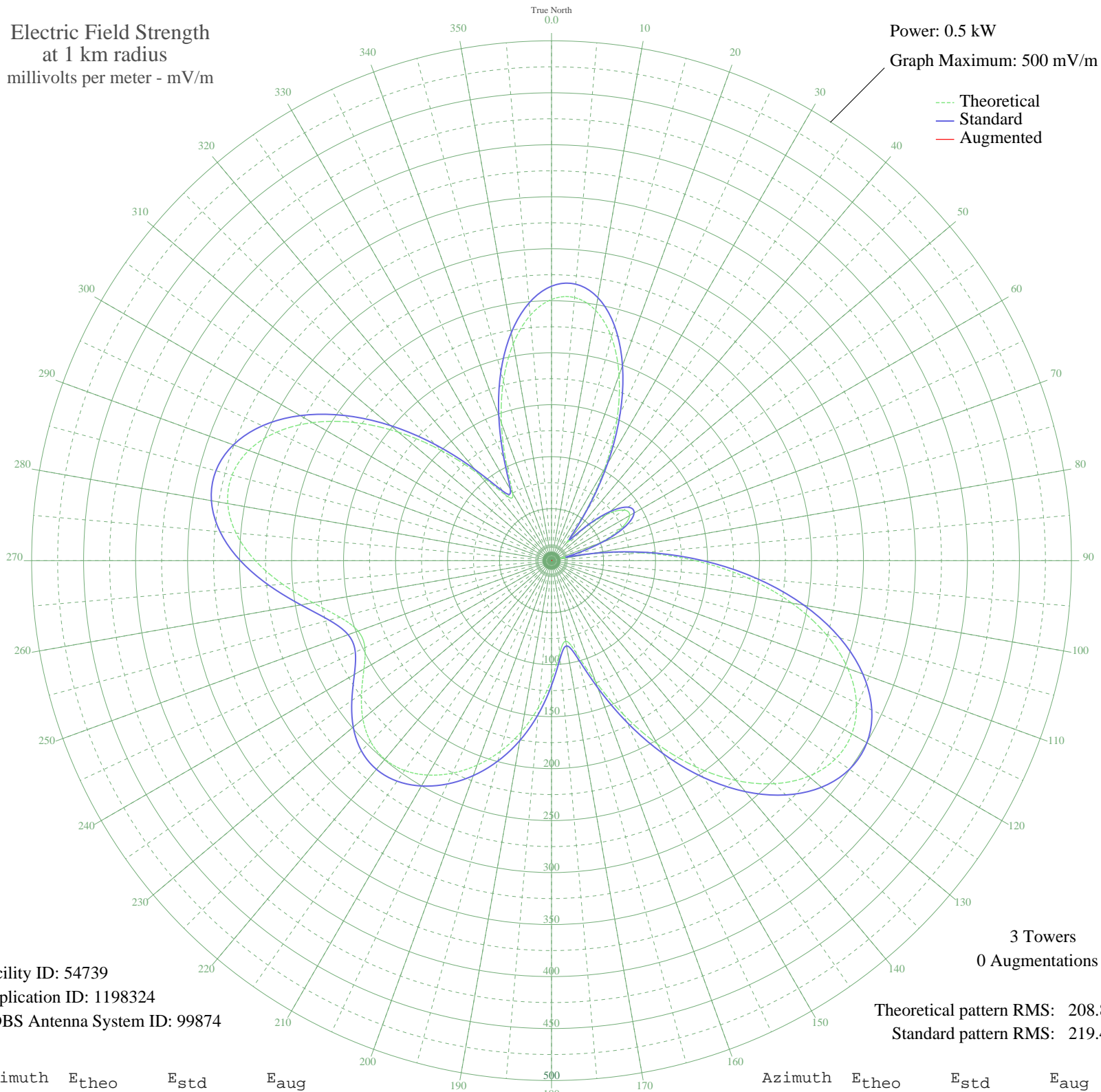
**KXEN ST. LOUIS, MO BML-20070731EOU 1010 kHz**

**Nighttime**

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

Power: 0.5 kW

Graph Maximum: 500 mV/m



Facility ID: 54739  
Application ID: 1198324  
CDBS Antenna System ID: 99874

3 Towers  
0 Augmentations

Theoretical pattern RMS: 208.80  
Standard pattern RMS: 219.49

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	251.23	264.00	
5	254.05	266.96	
10	244.43	256.86	
15	222.59	233.96	
20	189.82	199.58	
25	148.46	156.23	
30	101.97	107.58	
35	55.29	58.99	
40	22.98	26.31	
45	42.33	45.67	
50	69.08	73.30	
55	84.86	89.72	
60	86.74	91.68	
65	74.27	78.69	
70	48.55	52.05	
75	13.58	17.70	
80	36.30	39.53	
85	86.40	91.32	
90	138.45	145.76	
95	188.81	198.53	
100	234.53	246.48	
105	273.26	287.11	
110	303.28	318.62	
115	323.50	339.84	
120	333.41	350.23	
125	332.99	349.80	
130	322.69	338.98	
135	303.30	318.64	
140	275.97	289.96	
145	242.16	254.48	
150	203.69	214.13	
155	162.98	171.45	
160	123.58	130.19	
165	91.83	96.99	
170	78.57	83.16	
175	89.44	94.50	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	113.88	120.04	
185	141.25	148.68	
190	167.02	175.69	
195	189.79	199.55	
200	209.28	220.00	
205	225.48	236.99	
210	238.10	250.23	
215	246.38	258.91	
220	249.32	262.00	
225	246.13	258.65	
230	236.86	248.93	
235	223.06	234.45	
240	208.29	218.96	
245	198.04	208.20	
250	197.98	208.15	
255	210.52	221.29	
260	232.92	244.80	
265	259.56	272.74	
270	284.86	299.28	
275	304.63	320.03	
280	316.18	332.16	
285	318.09	334.16	
290	309.94	325.60	
295	292.11	306.89	
300	265.56	279.03	
305	231.69	243.50	
310	192.30	202.19	
315	149.81	157.65	
320	108.25	114.14	
325	76.99	81.52	
330	74.73	79.17	
335	102.58	108.22	
340	140.93	148.35	
345	178.96	188.20	
350	211.87	222.71	
355	236.67	248.73	

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