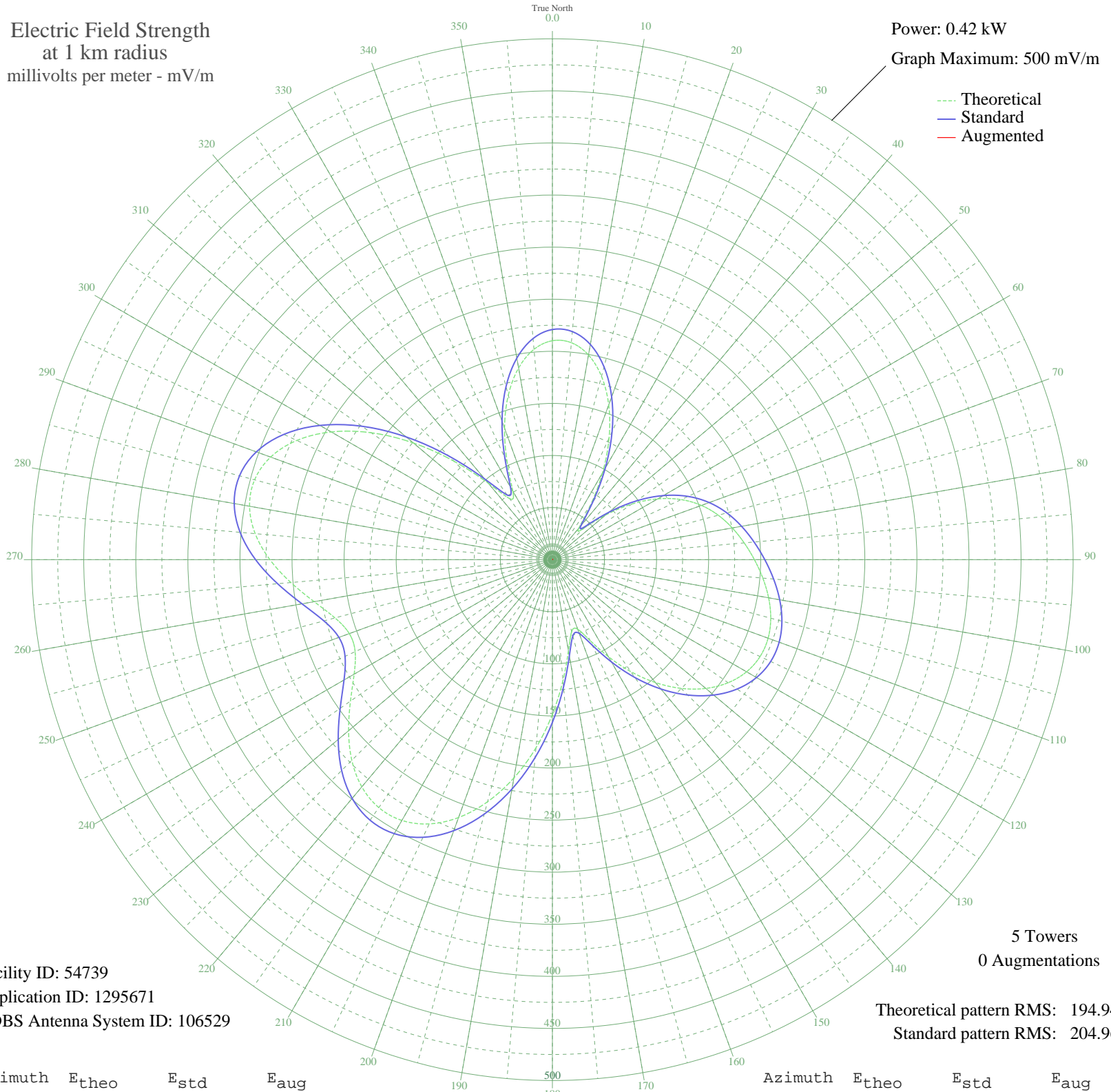


**KXEN ST. LOUIS, MO BP-20080626ABH 1010 kHz**

**Nighttime**

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

Power: 0.42 kW  
Graph Maximum: 500 mV/m



Facility ID: 54739  
Application ID: 1295671  
CDBS Antenna System ID: 106529

5 Towers  
0 Augmentations

Theoretical pattern RMS: 194.94  
Standard pattern RMS: 204.96

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	210.19	220.95	
5	209.07	219.78	
10	199.54	209.78	
15	182.21	191.60	
20	158.13	166.36	
25	128.78	135.62	
30	96.19	101.54	
35	63.61	67.61	
40	39.37	42.65	
45	42.67	46.02	
50	66.62	70.73	
55	93.05	98.26	
60	116.76	123.04	
65	136.49	143.69	
70	152.28	160.24	
75	164.89	173.45	
80	175.39	184.46	
85	184.86	194.38	
90	193.97	203.94	
95	202.81	213.21	
100	210.83	221.62	
105	217.06	228.15	
110	220.44	231.70	
115	220.05	231.29	
120	215.29	226.30	
125	205.98	216.53	
130	192.29	202.18	
135	174.73	183.77	
140	154.02	162.06	
145	131.14	138.10	
150	107.50	113.37	
155	85.68	90.58	
160	71.02	75.31	
165	71.45	75.76	
170	88.76	93.78	
175	116.40	122.67	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	148.44	156.21	
185	181.34	190.70	
190	212.72	223.60	
195	240.63	252.88	
200	263.45	276.83	
205	279.90	294.08	
210	289.07	303.70	
215	290.58	305.29	
220	284.70	299.12	
225	272.39	286.20	
230	255.47	268.44	
235	236.70	248.76	
240	219.81	231.04	
245	208.98	219.68	
250	207.51	218.14	
255	216.09	227.14	
260	232.30	244.15	
265	252.07	264.88	
270	271.26	285.02	
275	286.50	301.01	
280	295.31	310.25	
285	296.06	311.04	
290	287.94	302.52	
295	270.81	284.54	
300	245.24	257.72	
305	212.44	223.31	
310	174.29	183.31	
315	133.69	140.77	
320	95.70	101.04	
325	71.44	75.74	
330	76.04	80.53	
335	102.56	108.20	
340	134.34	141.45	
345	163.54	172.04	
350	186.87	196.50	
355	202.70	213.10	

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