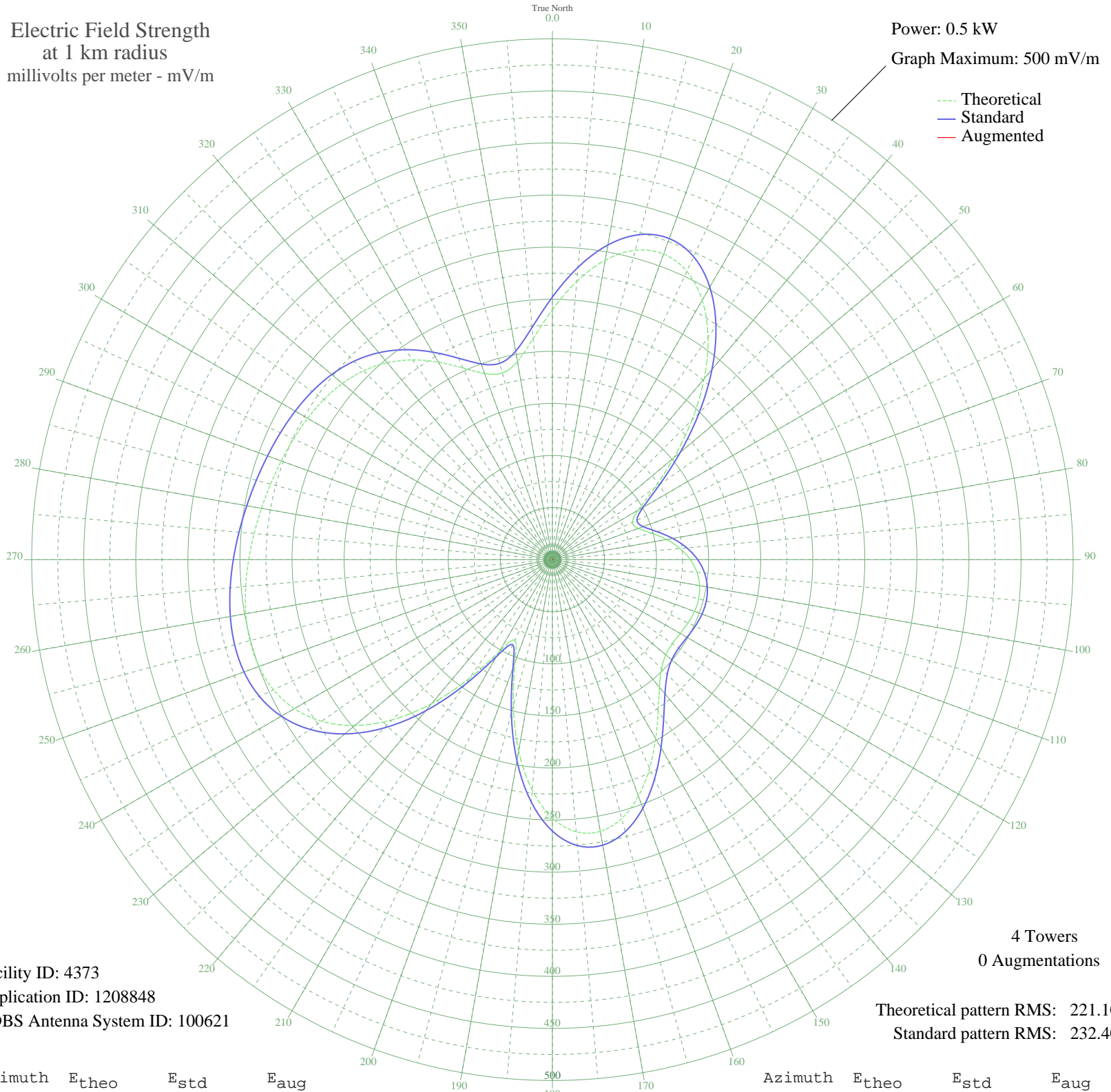


**KPHN KANSAS CITY, MO BL-20070924AVV 1190 kHz**

**Nighttime**

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 4373  
Application ID: 1208848  
CDBS Antenna System ID: 100621

4 Towers  
0 Augmentations

Theoretical pattern RMS: 221.10  
Standard pattern RMS: 232.40

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	239.91	252.12	
5	268.08	281.68	
10	291.95	306.73	
15	307.48	323.03	
20	312.27	328.05	
25	305.47	320.92	
30	287.66	302.22	
35	260.57	273.79	
40	226.80	238.37	
45	189.53	199.28	
50	152.34	160.30	
55	119.30	125.71	
60	95.25	100.57	
65	84.75	89.60	
70	87.73	92.72	
75	98.48	103.94	
80	111.28	117.31	
85	123.04	129.62	
90	132.51	139.53	
95	139.33	146.67	
100	143.53	151.07	
105	145.36	152.99	
110	145.23	152.85	
115	143.72	151.27	
120	141.74	149.19	
125	140.63	148.03	
130	142.16	149.63	
135	148.16	155.93	
140	159.86	168.18	
145	177.11	186.26	
150	198.33	208.52	
155	220.89	232.17	
160	241.61	253.91	
165	257.25	270.32	
170	264.88	278.32	
175	262.20	275.51	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	247.94	260.55	
185	222.14	233.48	
190	186.43	196.03	
195	144.68	152.27	
200	105.01	110.76	
205	85.16	90.03	
210	101.58	107.17	
215	139.26	146.60	
220	180.31	189.61	
225	217.34	228.45	
230	247.62	260.21	
235	270.42	284.13	
240	286.07	300.55	
245	295.50	310.45	
250	299.93	315.11	
255	300.67	315.88	
260	298.90	314.02	
265	295.63	310.59	
270	291.65	306.41	
275	287.52	302.08	
280	283.62	297.98	
285	280.12	294.31	
290	277.05	291.09	
295	274.26	288.17	
300	271.41	285.17	
305	267.96	281.55	
310	263.21	276.57	
315	256.38	269.40	
320	246.77	259.32	
325	234.09	246.02	
330	218.87	230.05	
335	202.98	213.39	
340	190.18	199.96	
345	185.58	195.14	
350	193.25	203.19	
355	212.91	223.80	

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