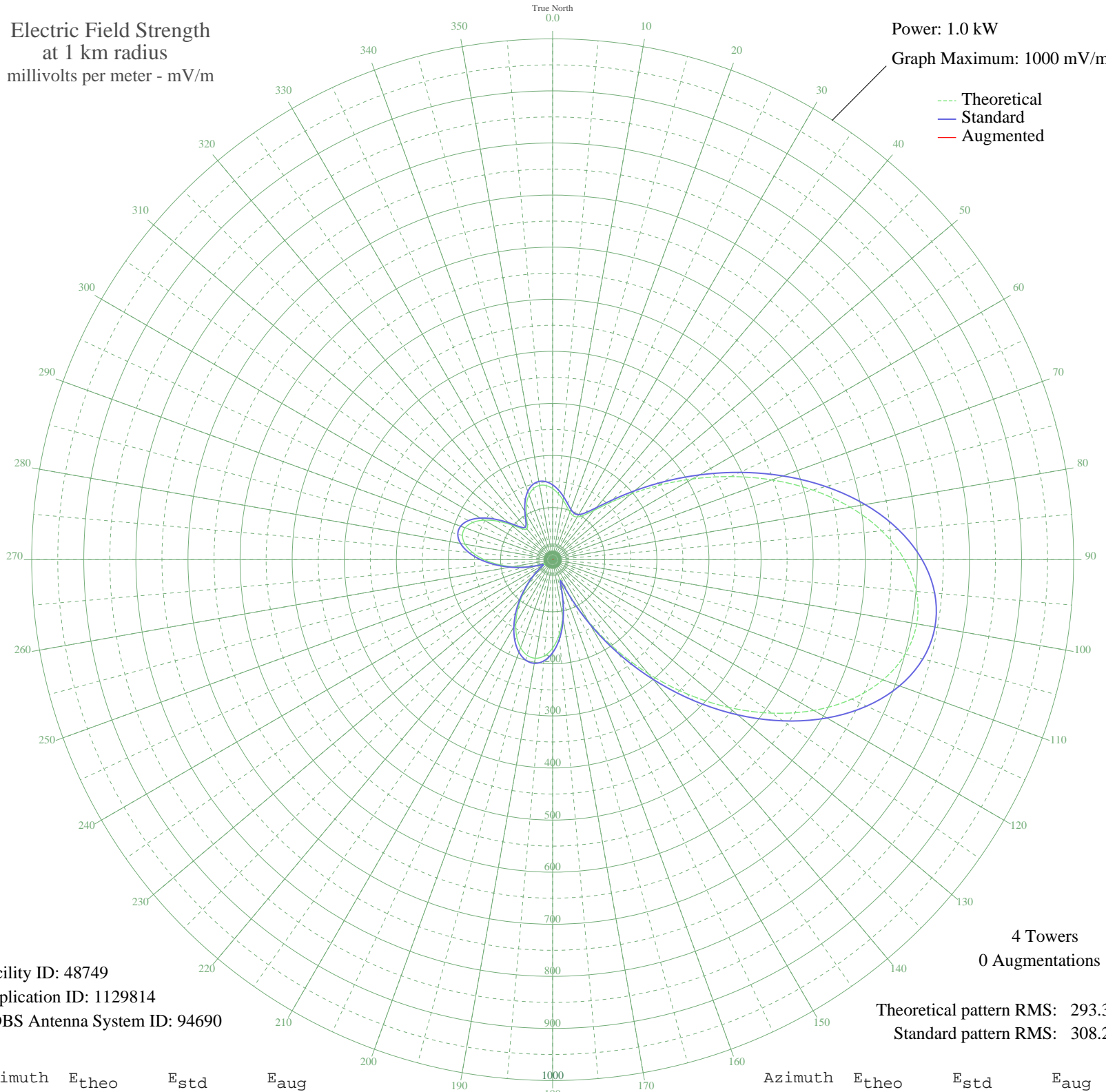


# KQPN WEST MEMPHIS, AR BL-20060510ACE 730 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 48749  
Application ID: 1129814  
CDBS Antenna System ID: 94690

4 Towers  
0 Augmentations

Theoretical pattern RMS: 293.36  
Standard pattern RMS: 308.21

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	136.42	143.63	
5	126.94	133.70	
10	116.02	122.27	
15	105.48	111.26	
20	97.19	102.59	
25	92.97	98.19	
30	94.65	99.94	
35	104.20	109.91	
40	123.53	130.13	
45	153.98	162.02	
50	195.87	205.93	
55	248.43	261.07	
60	309.86	325.52	
65	377.43	396.44	
70	447.67	470.17	
75	516.61	542.54	
80	580.09	609.18	
85	634.13	665.92	
90	675.29	709.14	
95	700.97	736.10	
100	709.59	745.14	
105	700.65	735.76	
110	674.76	708.58	
115	633.42	665.17	
120	578.86	607.89	
125	513.80	539.60	
130	441.23	463.42	
135	364.20	382.55	
140	285.67	300.13	
145	208.50	219.18	
150	135.66	142.83	
155	71.85	76.17	
160	39.32	42.60	
165	69.46	73.68	
170	110.21	116.20	
175	144.48	152.06	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	169.80	178.60	
185	185.66	195.22	
190	192.19	202.08	
195	189.95	199.72	
200	179.85	189.13	
205	163.16	171.64	
210	141.52	148.96	
215	116.82	123.11	
220	91.20	96.34	
225	66.79	70.91	
230	45.44	48.85	
235	28.51	31.72	
240	17.74	21.39	
245	18.93	22.48	
250	32.53	35.73	
255	53.07	56.70	
260	77.98	82.55	
265	104.96	110.71	
270	131.26	138.22	
275	154.02	162.06	
280	170.65	179.49	
285	179.24	188.49	
290	178.73	187.96	
295	169.16	177.93	
300	151.71	159.64	
305	128.76	135.61	
310	104.25	109.96	
315	84.33	89.16	
320	76.93	81.46	
325	84.77	89.63	
330	101.12	106.70	
335	118.44	124.80	
340	132.50	139.53	
345	141.47	148.92	
350	144.81	152.41	
355	142.82	150.33	

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.

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06 Nov 2009

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Prepared by Audio Division, Media Bureau  
Federal Communications Commission