

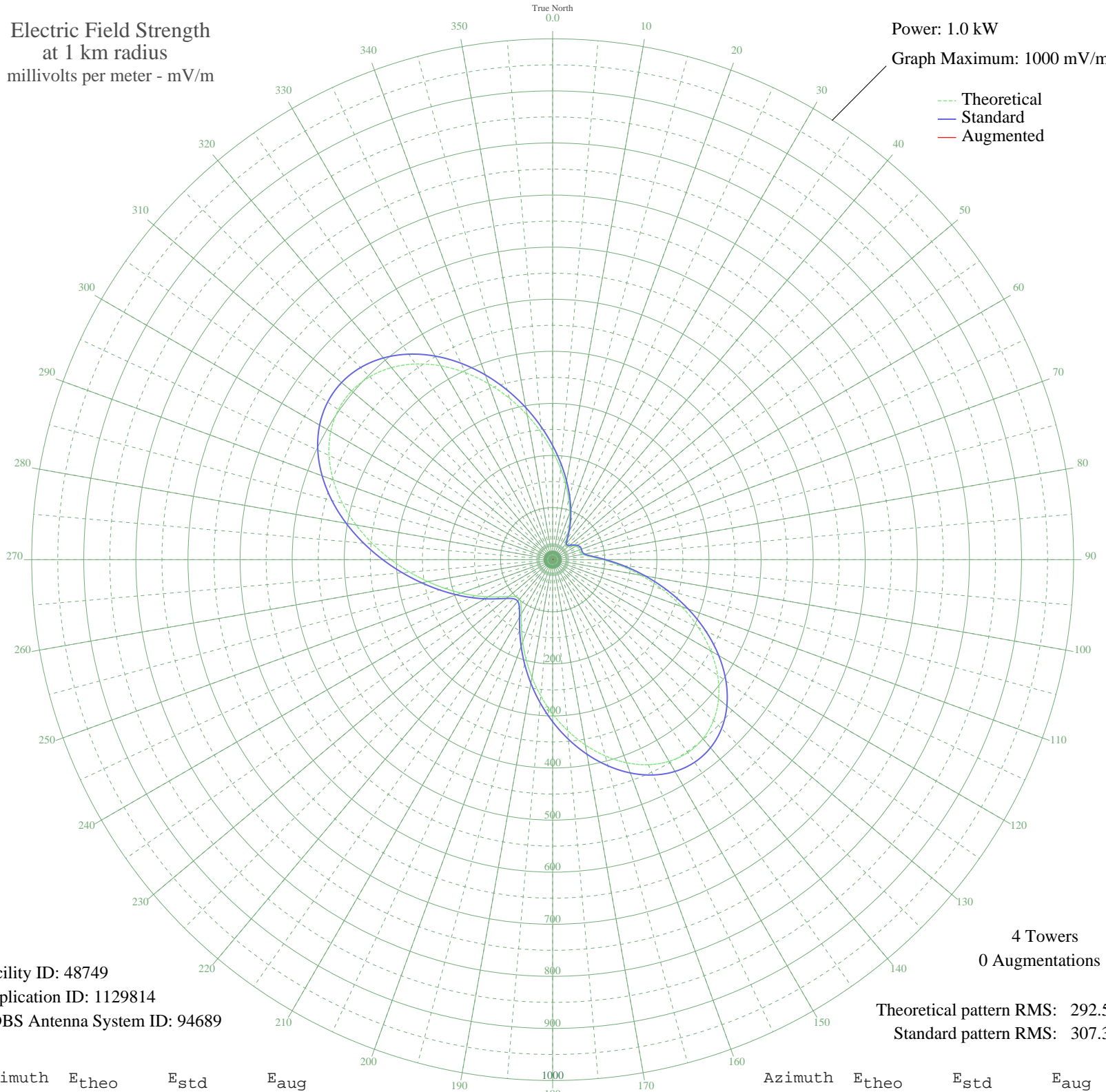
# KQPN WEST MEMPHIS, AR BL-20060510ACE 730 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 48749  
Application ID: 1129814  
CDBS Antenna System ID: 94689

4 Towers  
0 Augmentations

Theoretical pattern RMS: 292.58  
Standard pattern RMS: 307.38

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	208.50	219.18	
5	175.58	184.66	
10	145.86	153.51	
15	119.47	125.89	
20	96.35	101.71	
25	76.32	80.82	
30	59.37	63.22	
35	46.02	49.45	
40	37.68	40.93	
45	35.88	39.11	
50	39.63	42.92	
55	45.66	49.08	
60	51.11	54.68	
65	54.36	58.03	
70	55.11	58.81	
75	54.97	58.67	
80	58.48	62.29	
85	71.46	75.76	
90	96.14	101.49	
95	130.58	137.51	
100	171.82	180.71	
105	217.01	228.10	
110	263.48	276.86	
115	308.72	324.33	
120	350.43	368.10	
125	386.61	406.08	
130	415.71	436.62	
135	436.63	458.58	
140	448.81	471.37	
145	452.16	474.89	
150	447.08	469.55	
155	434.30	456.14	
160	414.89	435.76	
165	390.06	409.70	
170	361.13	379.33	
175	329.40	346.03	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	296.12	311.11	
185	262.41	275.73	
190	229.26	240.96	
195	197.58	207.72	
200	168.23	176.95	
205	142.20	149.68	
210	120.80	127.28	
215	105.75	111.53	
220	98.78	104.25	
225	100.55	106.10	
230	109.82	115.79	
235	124.46	131.11	
240	142.72	150.23	
245	163.73	172.23	
250	187.30	196.95	
255	213.67	224.59	
260	243.07	255.44	
265	275.49	289.46	
270	310.42	326.11	
275	346.81	364.30	
280	383.15	402.44	
285	417.63	438.64	
290	448.38	470.92	
295	473.62	497.41	
300	491.88	516.58	
305	502.09	527.30	
310	503.69	528.98	
315	496.62	521.55	
320	481.31	505.48	
325	458.62	481.66	
330	429.74	451.35	
335	396.11	416.05	
340	359.25	377.36	
345	320.72	336.91	
350	281.94	296.23	
355	244.20	256.62	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission