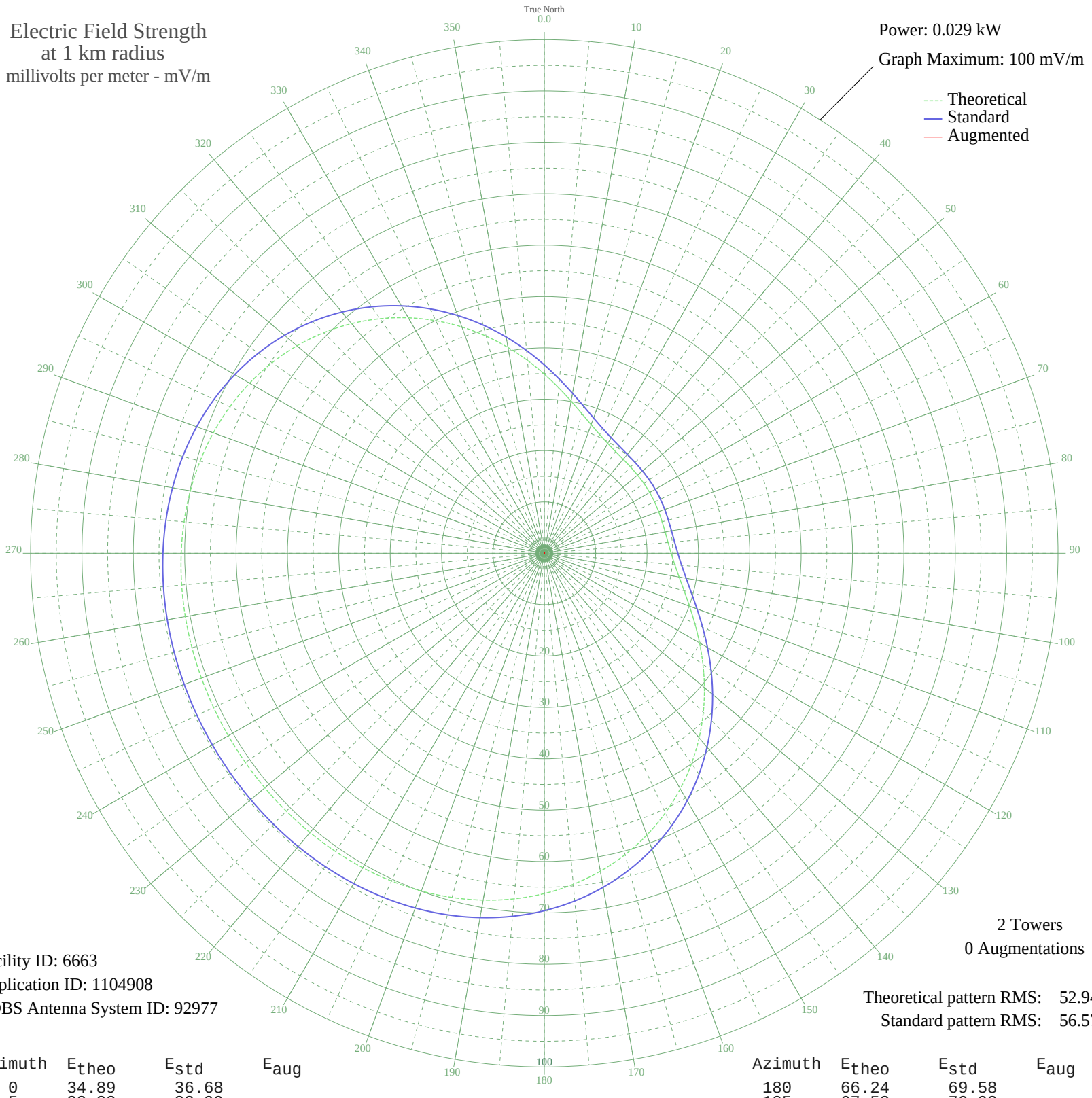
WQKR PORTLAND, TN BP-20050720ADU 1270 kHz

Nighttime

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



Power: 0.029 kW

Graph Maximum: 100 mV/m

Theoretical
Standard
Augmented

Facility ID: 6663
Application ID: 1104908
CDBS Antenna System ID: 92977

2 Towers
0 Augmentations

Theoretical pattern RMS: 52.94
Standard pattern RMS: 56.57

Azimuth	E_{theo}	E_{std}	E_{aug}
0	34.89	36.68	
5	32.33	33.99	
10	30.07	31.63	
15	28.17	29.63	
20	26.65	28.04	
25	25.50	26.84	
30	24.70	25.99	
35	24.18	25.45	
40	23.89	25.14	
45	23.74	24.99	
50	23.69	24.94	
55	23.68	24.92	
60	23.68	24.92	
65	23.68	24.92	
70	23.69	24.94	
75	23.74	24.99	
80	23.89	25.14	
85	24.18	25.45	
90	24.70	25.99	
95	25.50	26.84	
100	26.65	28.04	
105	28.17	29.63	
110	30.07	31.63	
115	32.33	33.99	
120	34.89	36.68	
125	37.70	39.62	
130	40.68	42.76	
135	43.77	46.00	
140	46.89	49.27	
145	49.97	52.50	
150	52.94	55.62	
155	55.76	58.57	
160	58.37	61.31	
165	60.74	63.80	
170	62.85	66.02	
175	64.68	67.94	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	66.24	69.58	
185	67.53	70.93	
190	68.56	72.01	
195	69.37	72.86	
200	69.96	73.48	
205	70.39	73.93	
210	70.68	74.23	
215	70.86	74.42	
220	70.96	74.52	
225	71.00	74.58	
230	71.02	74.59	
235	71.03	74.60	
240	71.03	74.60	
245	71.03	74.60	
250	71.02	74.59	
255	71.00	74.58	
260	70.96	74.52	
265	70.86	74.42	
270	70.68	74.23	
275	70.39	73.93	
280	69.96	73.48	
285	69.37	72.86	
290	68.56	72.01	
295	67.53	70.93	
300	66.24	69.58	
305	64.68	67.94	
310	62.85	66.02	
315	60.74	63.80	
320	58.37	61.31	
325	55.76	58.57	
330	52.94	55.62	
335	49.97	52.50	
340	46.89	49.27	
345	43.77	46.00	
350	40.68	42.76	
355	37.70	39.62	

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission