

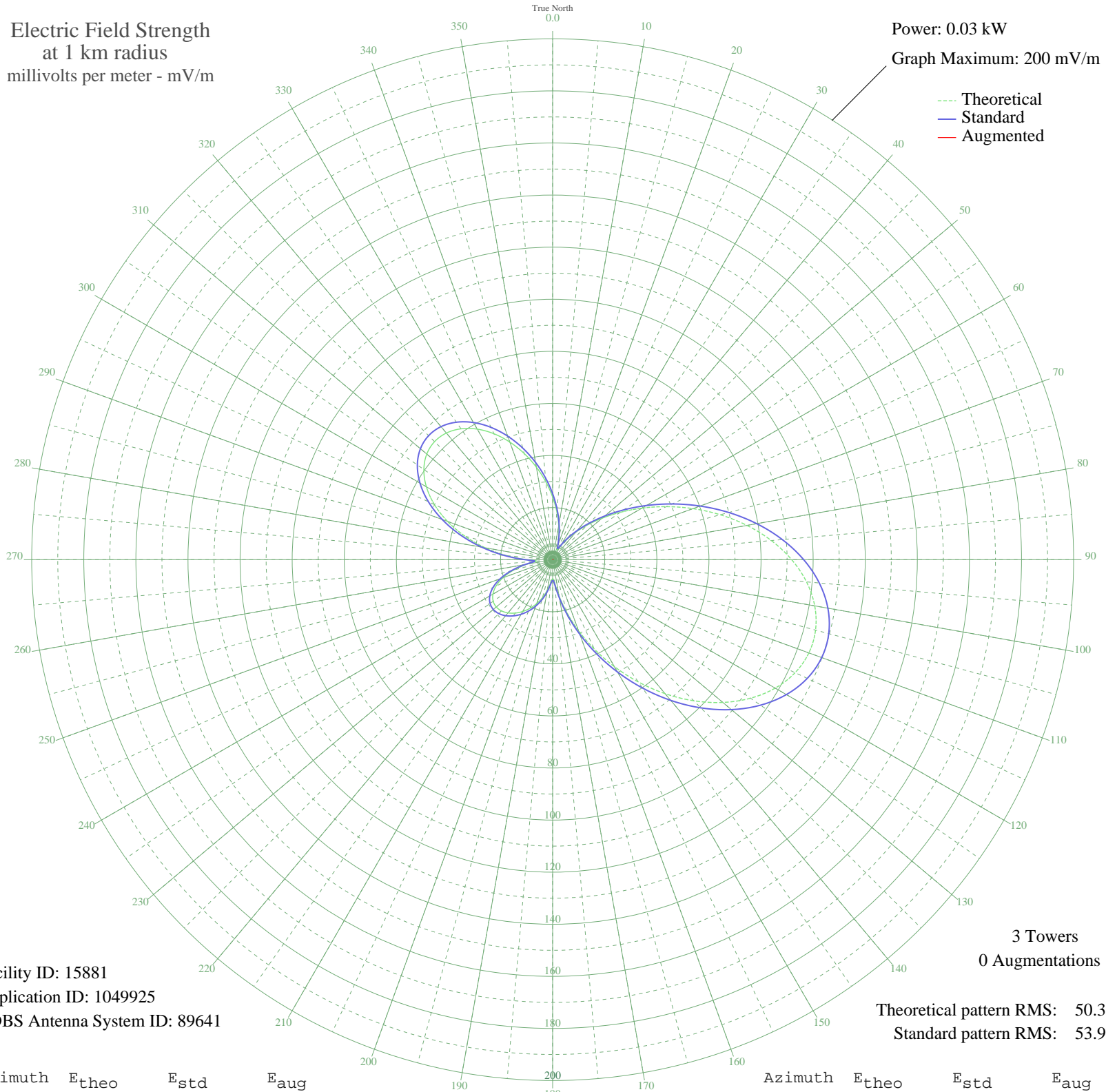
WNOP NEWPORT, KY BL-20050214AHI 740 kHz

Nighttime

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

Power: 0.03 kW  
Graph Maximum: 200 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 15881  
Application ID: 1049925  
CDBS Antenna System ID: 89641

Theoretical pattern RMS: 50.37  
Standard pattern RMS: 53.92

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	24.03	25.31	
5	18.44	19.46	
10	13.33	14.13	
15	8.83	9.48	
20	5.27	5.88	
25	3.95	4.59	
30	5.95	6.56	
35	9.43	10.10	
40	13.69	14.51	
45	18.75	19.79	
50	24.73	26.05	
55	31.69	33.33	
60	39.55	41.58	
65	48.18	50.62	
70	57.31	60.21	
75	66.63	69.99	
80	75.76	79.57	
85	84.28	88.51	
90	91.77	96.38	
95	97.84	102.75	
100	102.17	107.29	
105	104.49	109.74	
110	104.68	109.93	
115	102.70	107.86	
120	98.66	103.61	
125	92.76	97.42	
130	85.29	89.58	
135	76.63	80.48	
140	67.16	70.54	
145	57.30	60.19	
150	47.42	49.83	
155	37.89	39.83	
160	28.98	30.49	
165	20.96	22.10	
170	14.14	14.98	
175	9.11	9.77	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	7.27	7.89	
185	8.95	9.60	
190	11.95	12.70	
195	15.06	15.93	
200	17.96	18.96	
205	20.61	21.73	
210	22.98	24.21	
215	25.03	26.35	
220	26.68	28.08	
225	27.81	29.26	
230	28.26	29.74	
235	27.87	29.33	
240	26.48	27.87	
245	23.98	25.25	
250	20.30	21.41	
255	15.52	16.42	
260	10.06	10.74	
265	6.22	6.83	
270	9.91	10.59	
275	17.65	18.64	
280	26.26	27.65	
285	34.86	36.66	
290	42.95	45.14	
295	50.10	52.64	
300	55.98	58.82	
305	60.36	63.41	
310	63.08	66.27	
315	64.11	67.34	
320	63.48	66.68	
325	61.33	64.43	
330	57.88	60.80	
335	53.35	56.06	
340	48.04	50.48	
345	42.20	44.35	
350	36.10	37.95	
355	29.97	31.53	

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