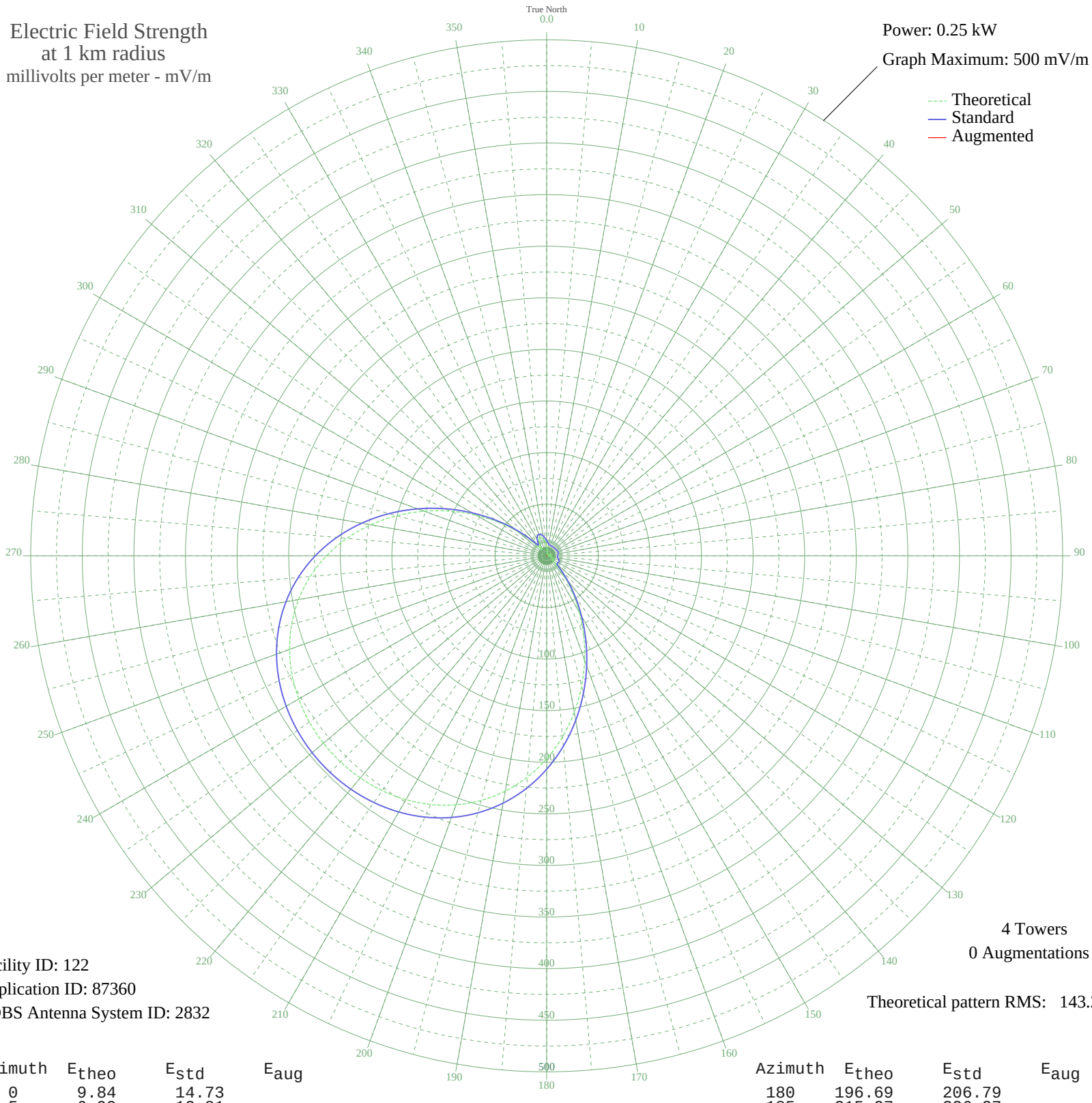
WDDD JOHNSTON CITY, IL BL-19860415AA 810 kHz

Nighttime

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



Power: 0.25 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

4 Towers
0 Augmentations

Facility ID: 122
Application ID: 87360
CDBS Antenna System ID: 2832

Theoretical pattern RMS: 143.23

Azimuth	E_{theo}	E_{std}	E_{aug}
0	9.84	14.73	
5	6.99	12.81	
10	4.58	11.55	
15	2.75	10.89	
20	1.56	10.63	
25	1.08	10.56	
30	1.12	10.57	
35	1.31	10.59	
40	1.52	10.62	
45	1.80	10.67	
50	2.21	10.75	
55	2.76	10.89	
60	3.39	11.09	
65	3.99	11.31	
70	4.43	11.49	
75	4.55	11.54	
80	4.20	11.39	
85	3.29	11.05	
90	1.82	10.67	
95	0.76	10.53	
100	2.79	10.90	
105	5.09	11.78	
110	6.92	12.77	
115	7.79	13.31	
120	7.30	13.00	
125	6.03	12.26	
130	8.11	13.52	
135	16.22	20.01	
140	28.68	31.90	
145	44.65	48.05	
150	63.56	67.56	
155	84.75	89.61	
160	107.43	113.29	
165	130.76	137.70	
170	153.89	161.93	
175	176.08	185.18	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	196.69	206.79	
185	215.27	226.27	
190	231.53	243.33	
195	245.35	257.83	
200	256.75	269.79	
205	265.84	279.32	
210	272.78	286.61	
215	277.76	291.84	
220	280.95	295.19	
225	282.49	296.80	
230	282.42	296.73	
235	280.76	294.98	
240	277.42	291.48	
245	272.27	286.08	
250	265.14	278.59	
255	255.82	268.82	
260	244.15	256.57	
265	229.98	241.71	
270	213.31	224.23	
275	194.25	204.23	
280	173.06	182.01	
285	150.20	158.06	
290	126.30	133.03	
295	102.13	107.75	
300	78.56	83.15	
305	56.47	60.21	
310	36.73	39.97	
315	20.25	23.71	
320	8.94	14.09	
325	9.09	14.19	
330	14.26	18.28	
335	17.60	21.26	
340	18.65	22.22	
345	17.82	21.46	
350	15.70	19.55	
355	12.88	17.12	

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