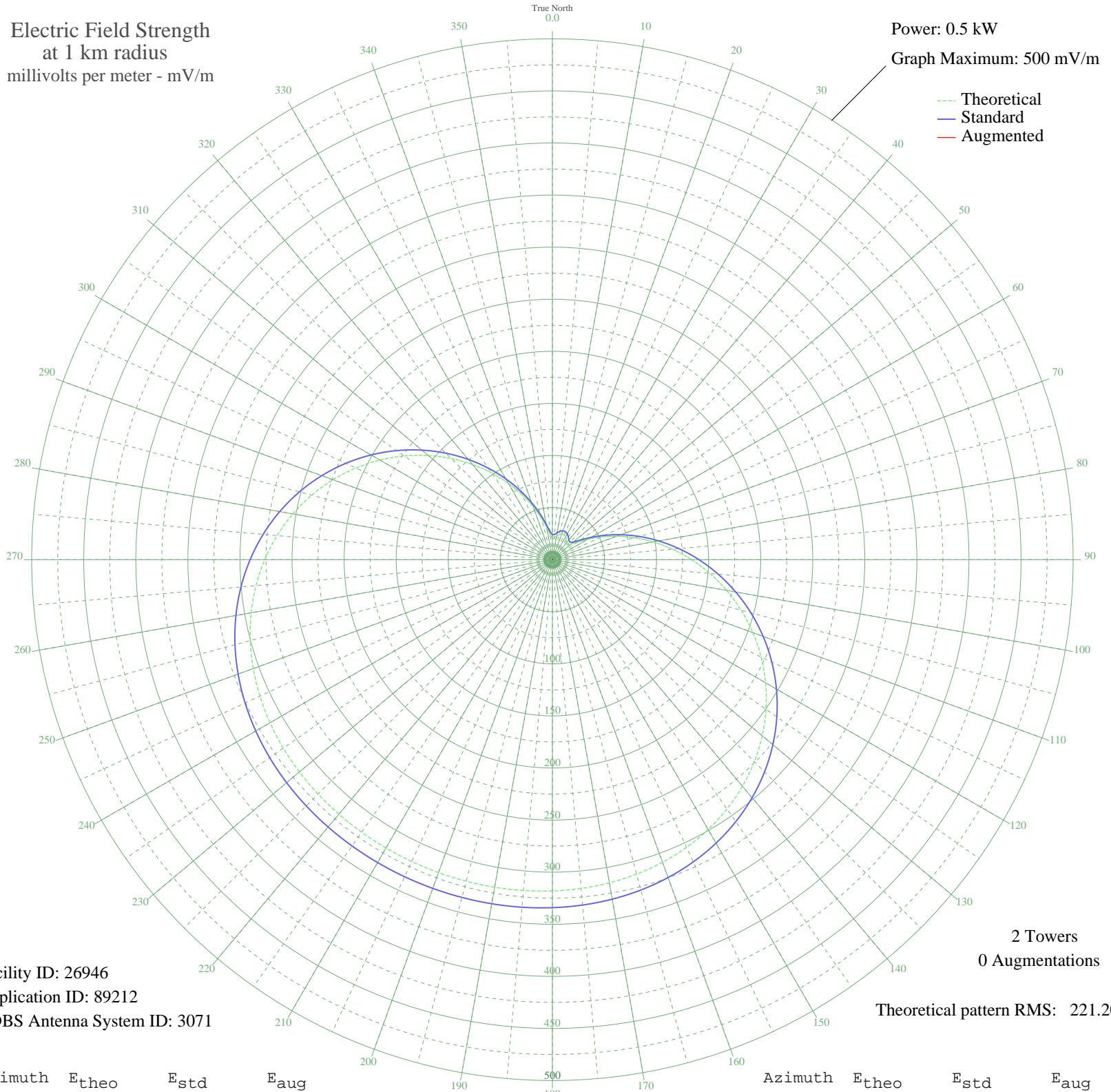


# WSON HENDERSON, KY BL-19860612AA 860 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 26946  
Application ID: 89212  
CDBS Antenna System ID: 3071

2 Towers  
0 Augmentations

Theoretical pattern RMS: 221.20

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	20.69	24.12	
5	20.91	24.34	
10	22.88	26.22	
15	24.93	28.20	
20	26.19	29.43	
25	26.31	29.55	
30	25.26	28.53	
35	23.32	26.64	
40	21.23	24.64	
45	20.49	23.94	
50	23.03	26.36	
55	29.58	32.78	
60	39.44	42.72	
65	51.75	55.34	
70	65.90	69.99	
75	81.49	86.20	
80	98.17	103.61	
85	115.65	121.88	
90	133.63	140.71	
95	151.83	159.76	
100	169.94	178.75	
105	187.71	197.37	
110	204.85	215.35	
115	221.14	232.43	
120	236.36	248.40	
125	250.35	263.08	
130	262.99	276.34	
135	274.19	288.09	
140	283.93	298.31	
145	292.21	307.00	
150	299.11	314.24	
155	304.71	320.12	
160	309.13	324.75	
165	312.52	328.31	
170	315.02	330.94	
175	316.81	332.81	

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.

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	318.02	334.09	
185	318.81	334.91	
190	319.28	335.41	
195	319.55	335.69	
200	319.66	335.81	
205	319.67	335.82	
210	319.58	335.72	
215	319.35	335.48	
220	318.92	335.03	
225	318.21	334.28	
230	317.09	333.11	
235	315.43	331.37	
240	313.08	328.90	
245	309.88	325.55	
250	305.68	321.14	
255	300.33	315.52	
260	293.70	308.57	
265	285.70	300.17	
270	276.25	290.26	
275	265.34	278.81	
280	252.99	265.85	
285	239.26	251.44	
290	224.27	235.72	
295	208.18	218.84	
300	191.19	201.03	
305	173.53	182.51	
310	155.46	163.57	
315	137.26	144.51	
320	119.21	125.61	
325	101.61	107.21	
330	84.74	89.60	
335	68.91	73.12	
340	54.45	58.12	
345	41.73	45.06	
350	31.31	34.52	
355	24.03	27.33	

26 Jun 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission