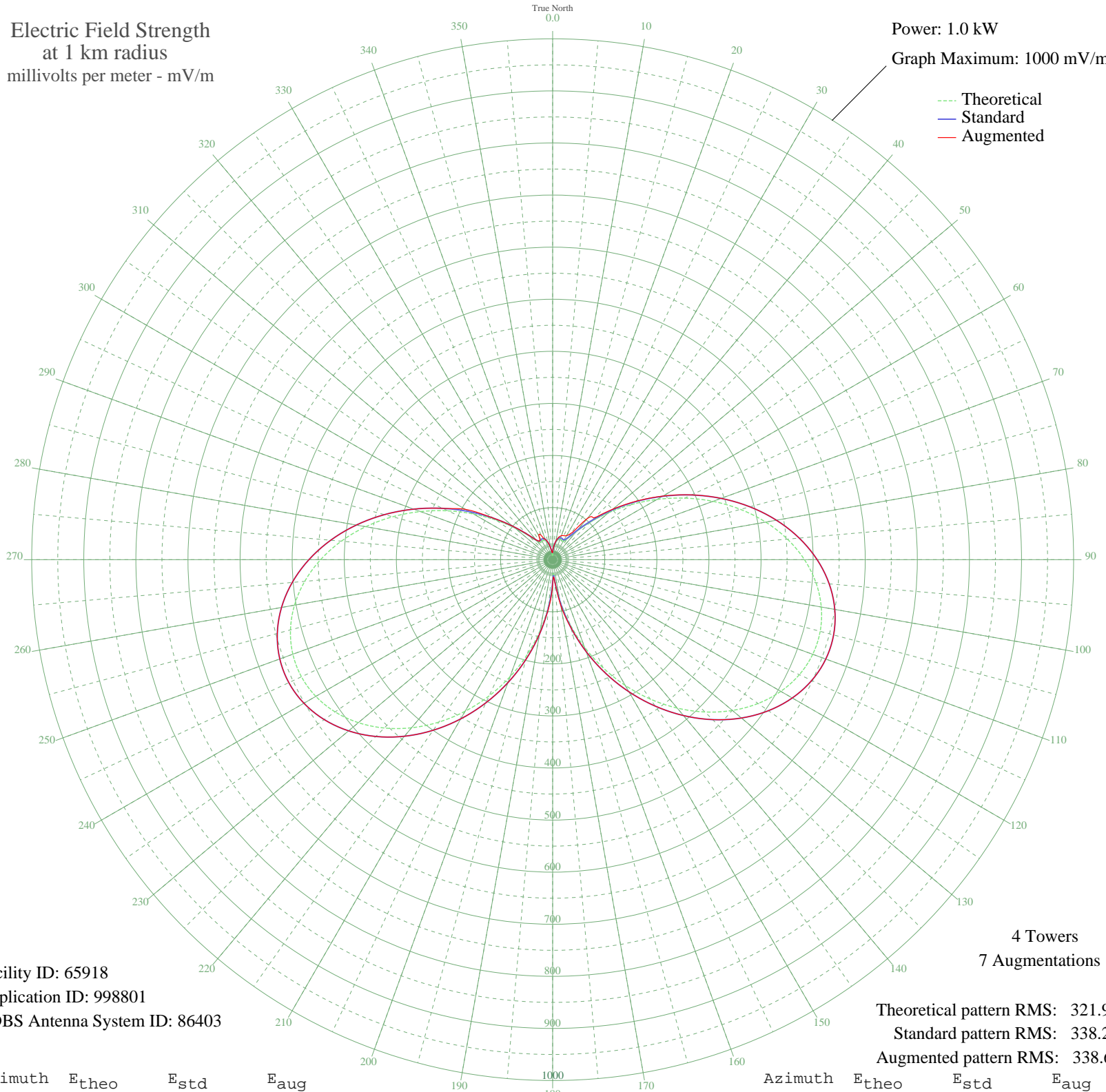


# WHKY HICKORY, NC BL-20040604ACV 1290 kHz

Nighttime

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: 65918  
Application ID: 998801  
CDBS Antenna System ID: 86403

4 Towers  
7 Augmentations

Theoretical pattern RMS: 321.90  
Standard pattern RMS: 338.20  
Augmented pattern RMS: 338.60

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	11.09	15.68	15.68
5	22.57	25.92	25.92
10	32.64	35.85	36.16
15	39.21	42.49	44.27
20	41.60	44.92	48.95
25	40.70	44.01	50.83
30	40.58	43.88	53.19
35	48.86	52.36	61.94
40	69.78	74.02	102.45
45	101.24	106.82	113.84
50	140.16	147.54	150.86
55	184.18	193.67	195.61
60	231.28	243.07	244.06
65	279.63	293.80	294.20
70	327.48	344.01	344.10
75	373.19	391.99	391.99
80	415.26	436.15	436.15
85	452.38	475.12	475.12
90	483.40	507.67	507.67
95	507.38	532.85	532.85
100	523.62	549.90	549.90
105	531.66	558.34	558.34
110	531.27	557.94	557.94
115	522.52	548.75	548.75
120	505.72	531.11	531.11
125	481.41	505.59	505.59
130	450.38	473.01	473.01
135	413.55	434.36	434.36
140	371.98	390.72	390.72
145	326.72	343.21	343.21
150	278.79	292.92	292.92
155	229.11	240.80	240.80
160	178.48	187.70	187.70
165	127.61	134.40	134.79
170	77.57	82.12	87.99
175	33.81	37.02	38.70

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	41.08	44.40	48.31
185	87.46	92.43	95.41
190	137.81	145.08	145.08
195	188.69	198.40	198.40
200	239.19	251.37	251.37
205	288.58	303.19	303.19
210	336.04	353.00	353.00
215	380.65	399.82	399.82
220	421.35	442.55	442.55
225	457.10	480.07	480.07
230	486.86	511.31	511.31
235	509.72	535.31	535.31
240	524.95	551.30	551.30
245	532.04	558.74	558.74
250	530.74	557.38	557.38
255	521.04	547.19	547.19
260	503.21	528.47	528.47
265	477.76	501.76	501.76
270	445.45	467.84	467.84
275	407.24	427.74	427.74
280	364.33	382.69	382.69
285	318.07	334.14	334.14
290	269.99	283.68	283.68
295	221.74	233.07	233.07
300	175.10	184.16	193.12
305	131.94	138.94	138.94
310	94.30	99.57	99.57
315	64.69	68.73	68.73
320	46.25	49.68	49.68
325	40.23	43.53	43.53
330	41.04	44.36	52.64
335	41.47	44.79	50.41
340	38.25	41.51	41.51
345	30.89	34.09	34.09
350	20.29	23.76	23.76
355	9.19	14.26	14.26

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission