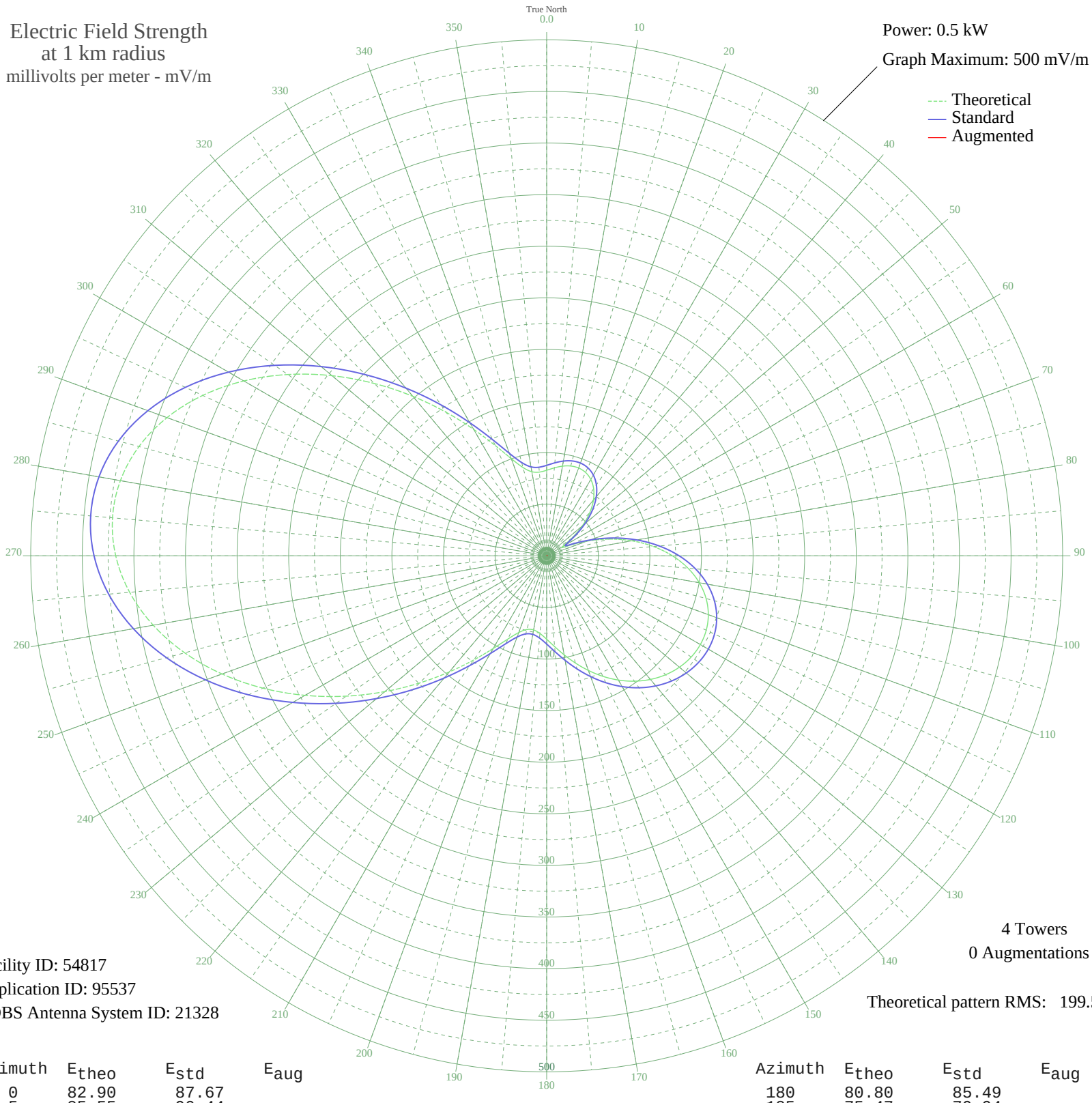
WINI MURPHYSBORO, IL BL-19861204AA 1420 kHz

Nighttime

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



Power: 0.5 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

4 Towers
0 Augmentations

Facility ID: 54817
Application ID: 95537
CDBS Antenna System ID: 21328

Theoretical pattern RMS: 199.56

Azimuth	E_{theo}	E_{std}	E_{aug}
0	82.90	87.67	
5	85.55	90.44	
10	88.22	93.23	
15	90.09	95.18	
20	90.56	95.66	
25	89.15	94.20	
30	85.51	90.40	
35	79.34	83.97	
40	70.49	74.75	
45	58.95	62.78	
50	44.99	48.39	
55	29.59	32.79	
60	17.32	21.00	
65	23.13	26.46	
70	41.66	44.99	
75	62.73	66.70	
80	83.83	88.65	
85	103.82	109.51	
90	121.89	128.41	
95	137.47	144.72	
100	150.20	158.06	
105	159.93	168.26	
110	166.68	175.33	
115	170.61	179.45	
120	171.95	180.86	
125	170.97	179.83	
130	167.90	176.61	
135	162.97	171.44	
140	156.36	164.52	
145	148.29	156.06	
150	139.01	146.33	
155	128.84	135.69	
160	118.19	124.54	
165	107.53	113.40	
170	97.39	102.80	
175	88.30	93.31	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	80.80	85.49	
185	75.47	79.94	
190	72.94	77.31	
195	73.92	78.32	
200	79.10	83.72	
205	88.98	94.02	
210	103.71	109.40	
215	123.14	129.73	
220	146.87	154.57	
225	174.30	183.32	
230	204.68	215.17	
235	237.08	249.15	
240	270.40	284.11	
245	303.41	318.75	
250	334.78	351.67	
255	363.14	381.44	
260	387.17	406.67	
265	405.67	426.08	
270	417.62	438.63	
275	422.34	443.58	
280	419.47	440.57	
285	409.06	429.64	
290	391.55	411.26	
295	367.78	386.31	
300	338.90	356.00	
305	306.30	321.79	
310	271.53	285.30	
315	236.17	248.20	
320	201.76	212.11	
325	169.74	178.54	
330	141.42	148.86	
335	117.92	124.26	
340	100.15	105.69	
345	88.56	93.58	
350	82.75	87.52	
355	81.44	86.15	

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission