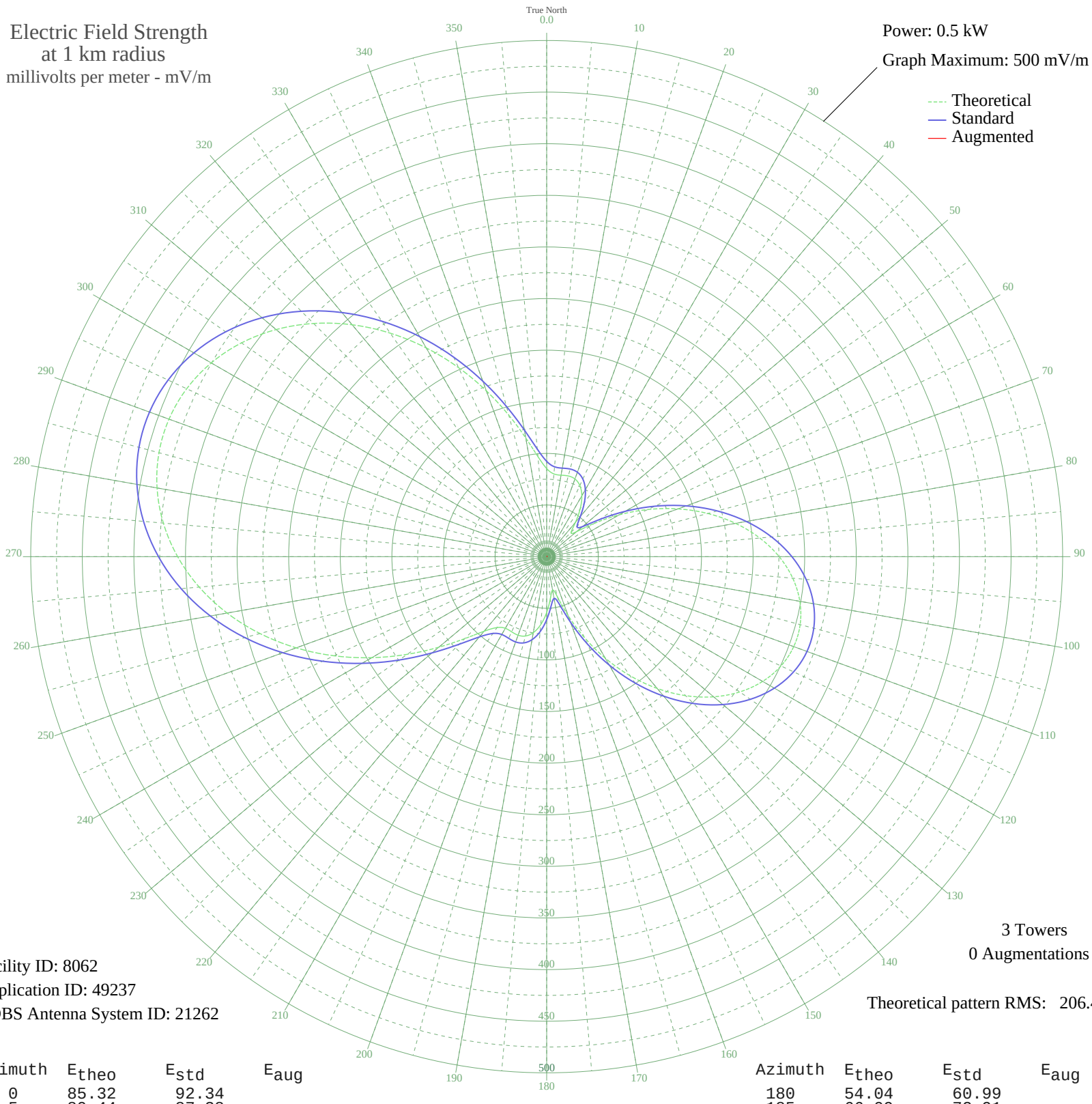
WSTN SOMERVILLE, TN BL-19821119AC 1410 kHz

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

Facility ID: 8062
Application ID: 49237
CDBS Antenna System ID: 21262

3 Towers
0 Augmentations

Theoretical pattern RMS: 206.46

Azimuth	E_{theo}	E_{std}	E_{aug}
0	85.32	92.34	
5	80.44	87.38	
10	80.14	87.07	
15	80.94	87.89	
20	80.11	87.05	
25	76.04	82.92	
30	68.12	74.95	
35	56.65	63.56	
40	43.29	50.67	
45	33.36	41.57	
50	37.48	45.28	
55	56.03	62.95	
60	80.94	87.88	
65	108.02	115.61	
70	135.34	143.85	
75	161.60	171.15	
80	185.86	196.43	
85	207.31	218.82	
90	225.31	237.64	
95	239.38	252.34	
100	249.12	262.54	
105	254.30	267.95	
110	254.77	268.45	
115	250.53	264.01	
120	241.68	254.75	
125	228.46	240.92	
130	211.20	222.89	
135	190.39	201.16	
140	166.64	176.40	
145	140.71	149.43	
150	113.52	121.28	
155	86.26	93.30	
160	60.69	67.55	
165	40.33	47.90	
170	32.75	41.04	
175	40.74	48.28	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	54.04	60.99	
185	66.09	72.91	
190	74.77	81.64	
195	79.59	86.52	
200	80.97	87.92	
205	80.31	87.25	
210	80.13	87.06	
215	83.82	90.82	
220	94.31	101.52	
225	112.29	120.01	
230	136.49	145.05	
235	164.91	174.60	
240	195.69	206.69	
245	227.25	239.66	
250	258.27	272.10	
255	287.65	302.86	
260	314.48	330.96	
265	338.01	355.62	
270	357.63	376.18	
275	372.88	392.16	
280	383.40	403.19	
285	388.97	409.04	
290	389.48	409.57	
295	384.92	404.78	
300	375.37	394.77	
305	361.04	379.76	
310	342.26	360.07	
315	319.47	336.19	
320	293.25	308.72	
325	264.31	278.42	
330	233.53	246.23	
335	201.99	213.26	
340	170.93	180.87	
345	141.90	150.66	
350	116.69	124.56	
355	97.32	104.61	

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