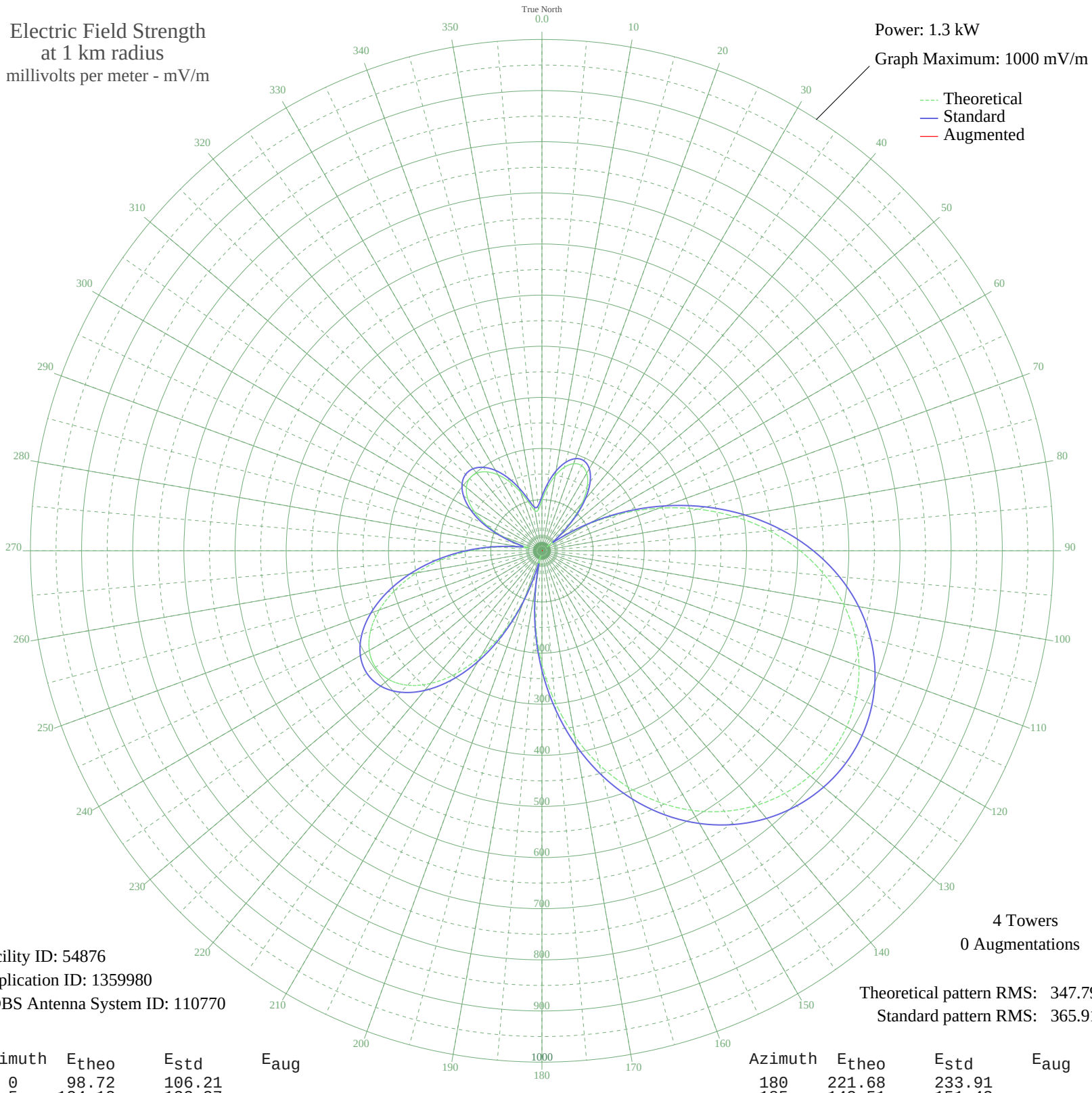
WCRW LEESBURG, VA BP-20090106AFY 1190 kHz

Nighttime

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



Power: 1.3 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

Facility ID: 54876
Application ID: 1359980
CDBS Antenna System ID: 110770

4 Towers
0 Augmentations

Theoretical pattern RMS: 347.79
Standard pattern RMS: 365.91

Azimuth	E_{theo}	E_{std}	E_{aug}
0	98.72	106.21	
5	124.12	132.37	
10	149.08	158.24	
15	169.08	179.04	
20	181.26	191.72	
25	183.66	194.23	
30	175.05	185.26	
35	154.83	164.22	
40	123.07	131.28	
45	80.52	87.66	
50	29.57	38.74	
55	35.93	44.27	
60	101.34	108.90	
65	171.66	181.72	
70	243.63	256.86	
75	314.89	331.44	
80	383.33	403.16	
85	447.17	470.10	
90	504.97	530.72	
95	555.67	583.91	
100	598.56	628.92	
105	633.27	665.34	
110	659.66	693.03	
115	677.80	712.07	
120	687.83	722.59	
125	689.96	724.83	
130	684.35	718.94	
135	671.13	705.06	
140	650.34	683.25	
145	622.00	653.51	
150	586.06	615.80	
155	542.55	570.15	
160	491.55	516.65	
165	433.33	455.59	
170	368.37	387.49	
175	297.45	313.18	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	221.68	233.91	
185	142.51	151.42	
190	61.94	69.03	
195	21.48	32.32	
200	97.87	105.34	
205	170.84	180.87	
210	236.73	249.64	
215	293.34	308.88	
220	338.84	356.54	
225	371.83	391.11	
230	391.42	411.64	
235	397.30	417.81	
240	389.75	409.89	
245	369.61	388.78	
250	338.22	355.89	
255	297.36	313.09	
260	249.12	262.60	
265	195.81	206.90	
270	139.94	148.75	
275	84.51	91.71	
280	36.64	44.91	
285	39.69	47.68	
290	80.67	87.81	
295	119.83	127.94	
300	152.37	161.66	
305	176.90	187.18	
310	192.79	203.75	
315	199.85	211.11	
320	198.21	209.41	
325	188.42	199.19	
330	171.38	181.44	
335	148.59	157.73	
340	122.38	130.57	
345	96.92	104.36	
350	79.85	86.98	
355	80.66	87.80	

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