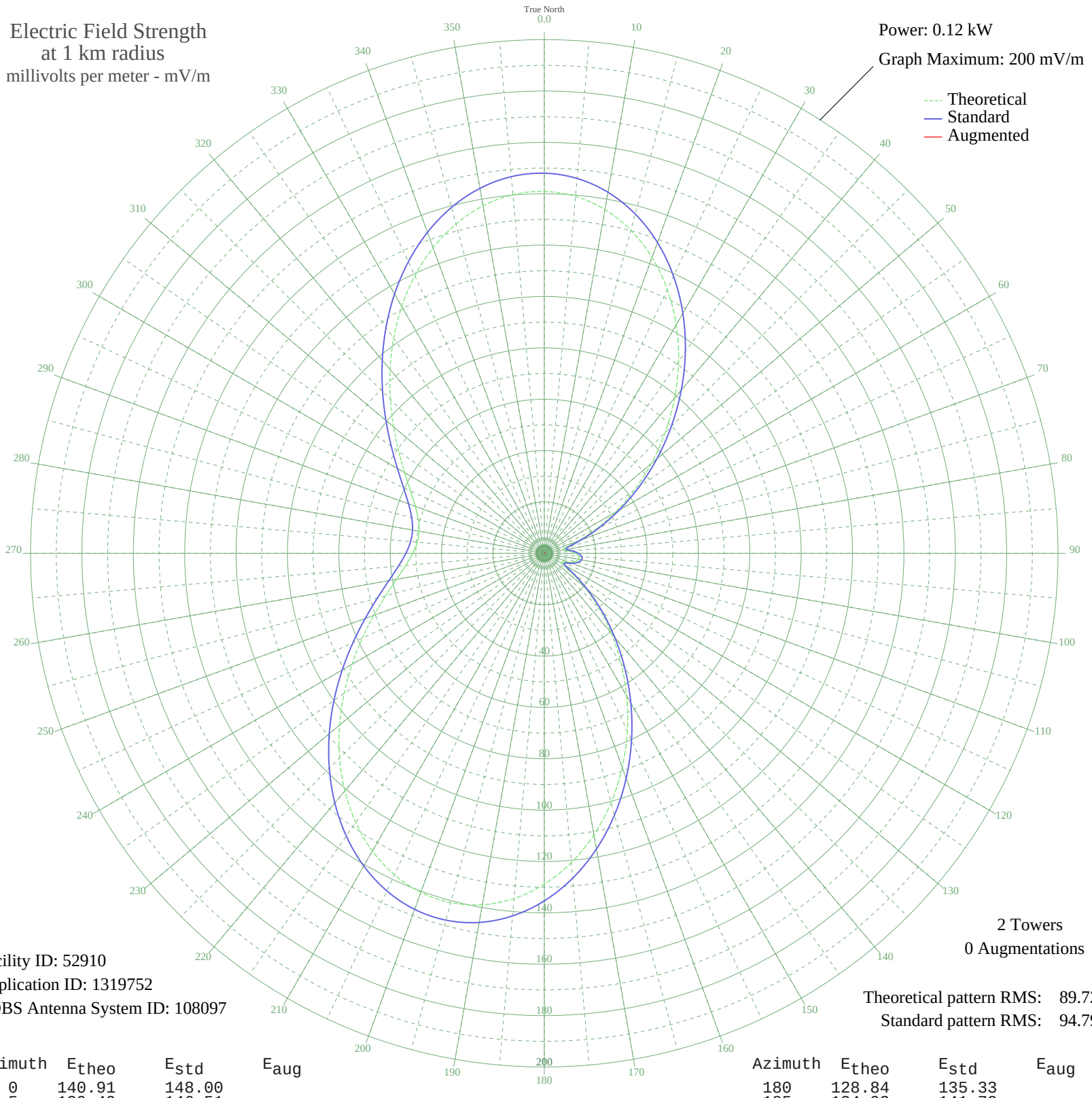
WNVR VERNON HILLS, IL BL-20090410AWM 1030 kHz

Nighttime

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



Power: 0.12 kW

Graph Maximum: 200 mV/m

Theoretical
Standard
Augmented

Facility ID: 52910
Application ID: 1319752
CDBS Antenna System ID: 108097

2 Towers
0 Augmentations

Theoretical pattern RMS: 89.72
Standard pattern RMS: 94.79

Azimuth	E_{theo}	E_{std}	E_{aug}
0	140.91	148.00	
5	139.49	146.51	
10	135.90	142.75	
15	130.22	136.78	
20	122.60	128.79	
25	113.32	119.05	
30	102.70	107.90	
35	91.11	95.73	
40	78.93	82.95	
45	66.55	69.97	
50	54.36	57.19	
55	42.69	44.98	
60	31.88	33.67	
65	22.22	23.62	
70	14.17	15.32	
75	8.68	9.81	
80	7.60	8.77	
85	9.78	10.89	
90	12.11	13.23	
95	13.48	14.61	
100	13.61	14.74	
105	12.48	13.59	
110	10.29	11.40	
115	7.90	9.06	
120	8.06	9.21	
125	12.82	13.94	
130	20.47	21.80	
135	29.84	31.54	
140	40.45	42.63	
145	51.97	54.69	
150	64.09	67.39	
155	76.45	80.36	
160	88.70	93.21	
165	100.45	105.53	
170	111.30	116.92	
175	120.87	126.97	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	128.84	135.33	
185	134.93	141.72	
190	138.95	145.94	
195	140.80	147.88	
200	140.48	147.55	
205	138.09	145.04	
210	133.83	140.57	
215	127.95	134.40	
220	120.79	126.88	
225	112.69	118.38	
230	104.02	109.28	
235	95.16	99.98	
240	86.43	90.83	
245	78.15	82.14	
250	70.59	74.21	
255	63.96	67.26	
260	58.44	61.47	
265	54.16	56.98	
270	51.20	53.89	
275	49.64	52.25	
280	49.50	52.10	
285	50.78	53.44	
290	53.46	56.25	
295	57.48	60.46	
300	62.76	66.00	
305	69.18	72.73	
310	76.58	80.49	
315	84.73	89.04	
320	93.39	98.13	
325	102.25	107.43	
330	110.99	116.59	
335	119.23	125.24	
340	126.61	132.99	
345	132.77	139.46	
350	137.38	144.30	
355	140.16	147.21	

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