

WNVR VERNON HILLS, IL BP-20090924AAV 1030 kHz

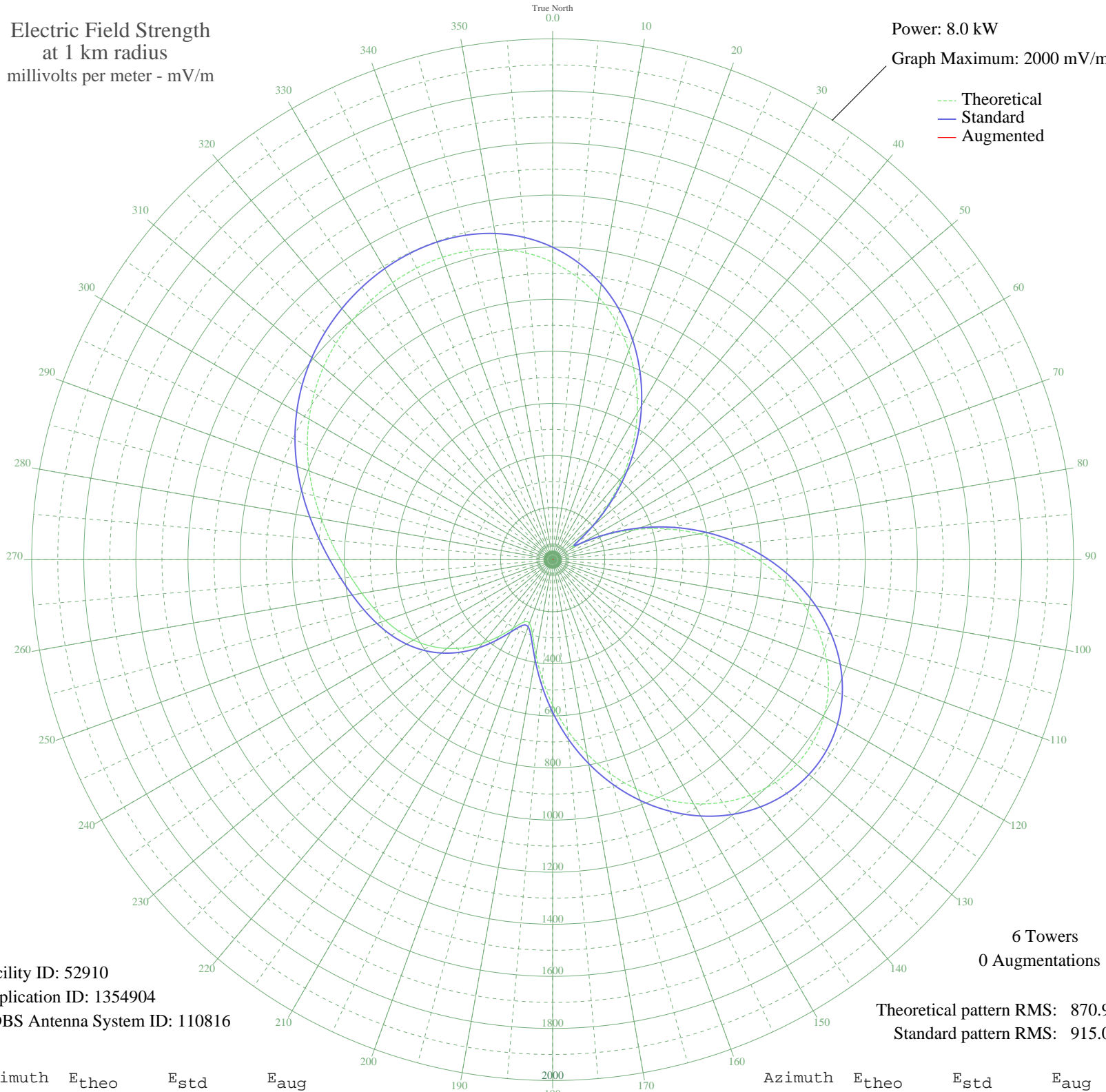
Critical Hours

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

Power: 8.0 kW

Graph Maximum: 2000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 52910
Application ID: 1354904
CDBS Antenna System ID: 110816

6 Towers
0 Augmentations

Theoretical pattern RMS: 870.98
Standard pattern RMS: 915.01

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1142.28	1199.77	
5	1089.03	1143.87	
10	1022.86	1074.42	
15	944.38	992.05	
20	854.78	898.01	
25	755.70	794.04	
30	649.07	682.17	
35	536.87	564.49	
40	421.12	443.17	
45	304.13	320.72	
50	190.18	201.89	
55	99.03	108.14	
60	118.71	128.14	
65	221.49	234.45	
70	337.69	355.82	
75	455.48	479.17	
80	571.49	600.80	
85	683.60	718.40	
90	789.88	829.91	
95	888.39	933.28	
100	977.19	1026.48	
105	1054.44	1107.56	
110	1118.50	1174.80	
115	1168.06	1226.82	
120	1202.17	1262.63	
125	1220.34	1281.70	
130	1222.50	1283.96	
135	1208.96	1269.76	
140	1180.41	1239.78	
145	1137.74	1195.00	
150	1082.07	1136.56	
155	1014.64	1065.78	
160	936.82	984.11	
165	850.15	893.16	
170	756.45	794.83	
175	657.93	691.47	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	557.52	586.14	
185	459.29	483.17	
190	369.52	389.13	
195	298.32	314.64	
200	260.14	274.75	
205	264.73	279.55	
210	303.76	320.32	
215	359.69	378.84	
220	419.89	441.88	
225	477.78	502.55	
230	530.36	557.67	
235	576.57	606.13	
240	616.58	648.09	
245	651.41	684.62	
250	682.75	717.50	
255	712.73	748.96	
260	743.58	781.32	
265	777.18	816.58	
270	814.71	855.96	
275	856.35	899.65	
280	901.27	946.80	
285	947.94	995.78	
290	994.48	1044.63	
295	1039.07	1091.43	
300	1080.25	1134.65	
305	1117.05	1173.28	
310	1149.03	1206.85	
315	1176.11	1235.27	
320	1198.39	1258.66	
325	1215.91	1277.05	
330	1228.46	1290.23	
335	1235.42	1297.53	
340	1235.75	1297.88	
345	1228.08	1289.83	
350	1210.88	1271.77	
355	1182.67	1242.16	

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