

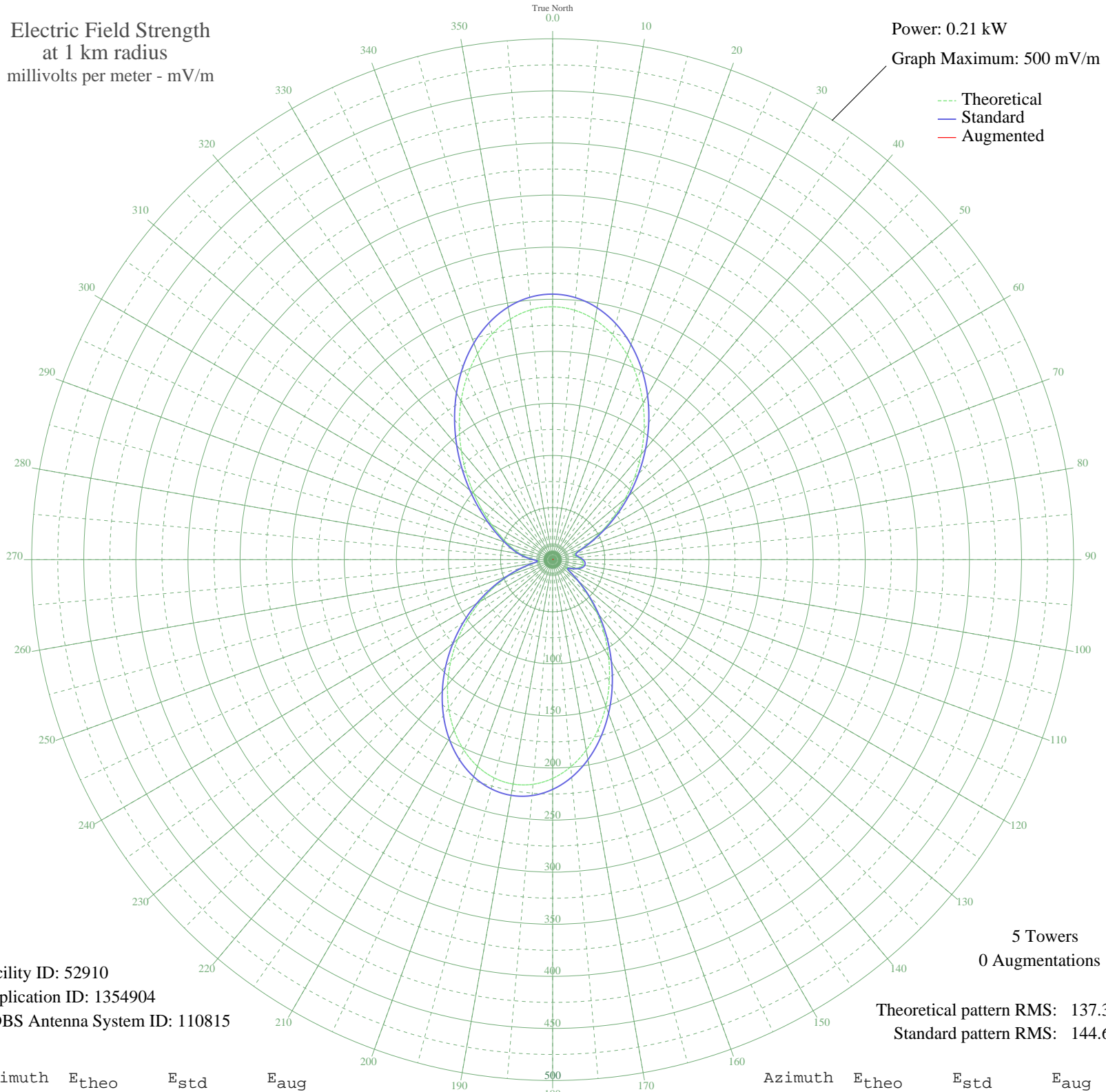
WNVR VERNON HILLS, IL BP-20090924AAV 1030 kHz

Nighttime

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

Power: 0.21 kW
Graph Maximum: 500 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 52910
Application ID: 1354904
CDBS Antenna System ID: 110815

5 Towers
0 Augmentations

Theoretical pattern RMS: 137.39
Standard pattern RMS: 144.64

Azimuth	E _{theo}	E _{std}	E _{aug}
0	242.74	254.92	
5	240.40	252.46	
10	233.80	245.53	
15	223.25	234.46	
20	209.24	219.75	
25	192.39	202.07	
30	173.41	182.14	
35	153.04	160.76	
40	132.00	138.69	
45	110.99	116.64	
50	90.64	95.29	
55	71.52	75.25	
60	54.21	57.13	
65	39.38	41.63	
70	28.07	29.86	
75	21.86	23.45	
80	21.42	23.00	
85	24.25	25.92	
90	27.40	29.17	
95	29.35	31.20	
100	29.49	31.34	
105	27.59	29.37	
110	23.73	25.38	
115	18.60	20.12	
120	15.07	16.54	
125	19.16	20.69	
130	30.98	32.88	
135	47.02	49.61	
140	65.65	69.10	
145	85.98	90.41	
150	107.25	112.72	
155	128.67	135.19	
160	149.41	156.96	
165	168.66	177.16	
170	185.63	194.97	
175	199.60	209.64	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	210.01	220.56	
185	216.46	227.34	
190	218.76	229.74	
195	216.90	227.79	
200	211.08	221.69	
205	201.66	211.79	
210	189.10	198.62	
215	173.97	182.73	
220	156.84	164.75	
225	138.31	145.31	
230	118.96	125.01	
235	99.36	104.44	
240	80.05	84.19	
245	61.55	64.81	
250	44.41	46.88	
255	29.29	31.13	
260	17.53	19.03	
265	12.97	14.45	
270	17.27	18.77	
275	24.27	25.94	
280	31.35	33.27	
285	38.53	40.74	
290	46.54	49.10	
295	56.17	59.18	
300	68.00	71.56	
305	82.21	86.46	
310	98.66	103.70	
315	116.90	122.84	
320	136.34	143.24	
325	156.24	164.12	
330	175.80	184.65	
335	194.19	203.96	
340	210.58	221.17	
345	224.22	235.48	
350	234.43	246.20	
355	240.71	252.79	

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.

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Prepared by Audio Division, Media Bureau
Federal Communications Commission