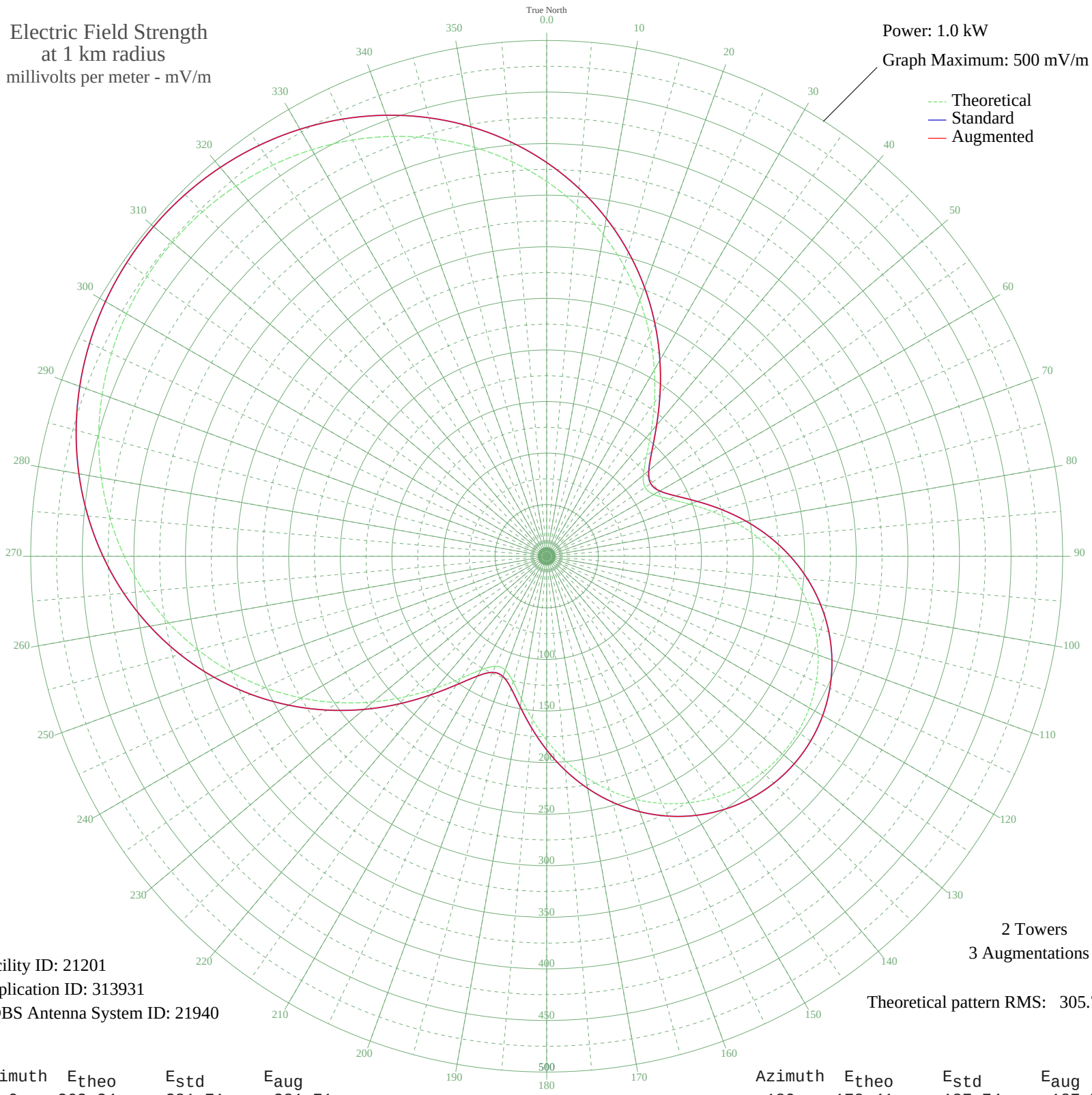
WIXN DIXON, IL BL-- 1460 kHz

Daytime

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



Power: 1.0 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

2 Towers
3 Augmentations

Facility ID: 21201
Application ID: 313931
CDBS Antenna System ID: 21940

Theoretical pattern RMS: 305.78

Azimuth	E_{theo}	E_{std}	E_{aug}
0	363.34	381.71	381.71
5	340.80	358.06	358.06
10	316.52	332.57	332.57
15	290.74	305.53	305.53
20	263.82	277.29	277.29
25	236.25	248.37	248.37
30	208.65	219.43	219.43
35	181.92	191.42	191.42
40	157.33	165.67	165.76
45	136.68	144.05	144.49
50	122.29	129.01	129.43
55	116.44	122.89	123.16
60	119.88	126.48	126.63
65	131.13	138.24	138.24
70	147.49	155.37	155.37
75	166.50	175.27	175.27
80	186.38	196.09	196.09
85	205.95	216.61	216.61
90	224.46	236.01	236.01
95	241.39	253.76	253.76
100	256.42	269.52	269.52
105	269.31	283.05	283.05
110	279.92	294.17	294.17
115	288.13	302.79	302.79
120	293.89	308.84	308.84
125	297.16	312.27	312.27
130	297.92	313.06	313.06
135	296.16	311.21	311.21
140	291.89	306.73	306.73
145	285.14	299.65	299.65
150	275.96	290.02	290.02
155	264.42	277.92	277.92
160	250.65	263.48	263.48
165	234.83	246.88	246.88
170	217.22	228.42	228.42
175	198.22	208.50	208.50

Azimuth	E_{theo}	E_{std}	E_{aug}
180	178.41	187.74	187.74
185	158.71	167.11	167.11
190	140.51	148.05	148.05
195	125.86	132.73	132.73
200	117.43	123.93	124.10
205	117.65	124.16	124.25
210	127.13	134.07	134.07
215	144.33	152.05	152.05
220	166.81	175.59	175.59
225	192.44	202.44	202.44
230	219.64	230.96	230.96
235	247.32	259.98	259.98
240	274.70	288.70	288.70
245	301.21	316.51	316.51
250	326.43	342.97	342.97
255	350.04	367.75	367.75
260	371.82	390.61	390.61
265	391.62	411.38	411.38
270	409.31	429.96	429.96
275	424.86	446.28	446.28
280	438.23	460.31	460.31
285	449.42	472.05	472.05
290	458.45	481.53	481.53
295	465.34	488.76	488.76
300	470.12	493.79	493.79
305	472.82	496.61	496.61
310	473.44	497.27	497.27
315	471.99	495.74	495.74
320	468.46	492.04	492.04
325	462.84	486.14	486.14
330	455.09	478.01	478.01
335	445.20	467.63	467.63
340	433.14	454.97	454.97
345	418.90	440.02	440.02
350	402.49	422.80	422.80
355	383.95	403.33	403.33

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.

04 Jul 2009

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