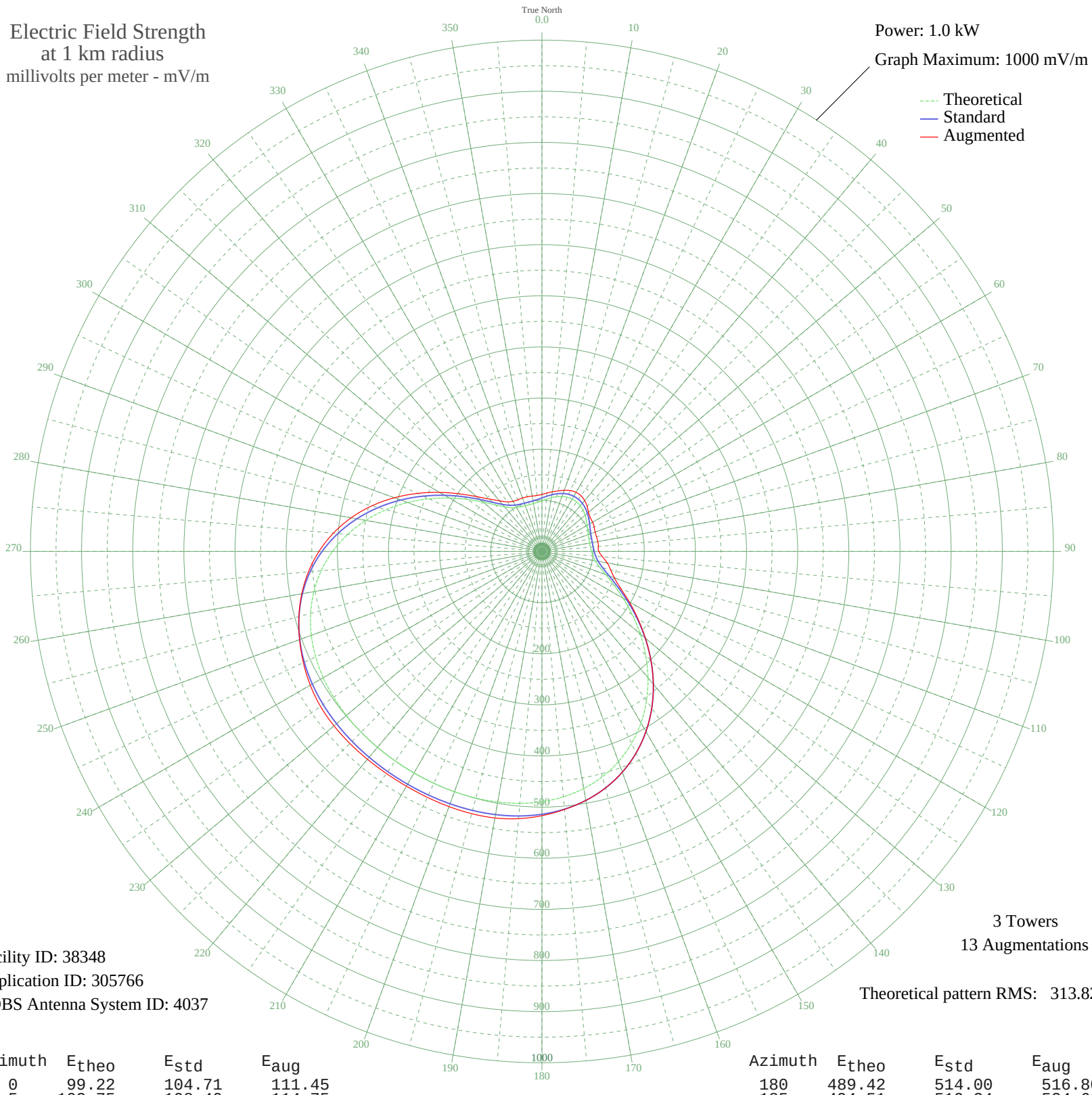
WMAY SPRINGFIELD, IL BL-- 970 kHz

Daytime

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



Power: 1.0 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

3 Towers
13 Augmentations

Facility ID: 38348
Application ID: 305766
CDBS Antenna System ID: 4037

Theoretical pattern RMS: 313.82

Azimuth	E_{theo}	E_{std}	E_{aug}
0	99.22	104.71	111.45
5	102.75	108.40	114.75
10	106.80	112.63	118.46
15	110.86	116.87	122.55
20	114.38	120.56	127.08
25	116.94	123.23	131.37
30	118.22	124.57	133.48
35	118.08	124.42	132.96
40	116.52	122.80	129.92
45	113.74	119.89	124.86
50	110.07	116.05	118.93
55	105.98	111.77	115.47
60	101.98	107.60	114.31
65	98.61	104.07	112.65
70	96.22	101.58	110.75
75	94.94	100.24	110.42
80	94.67	99.96	110.84
85	95.27	100.59	110.70
90	96.84	102.22	111.22
95	100.00	105.52	118.85
100	106.00	111.80	129.72
105	116.48	122.75	139.06
110	132.75	139.78	150.53
115	155.20	163.30	169.23
120	183.25	192.70	196.99
125	215.62	226.64	228.92
130	250.71	263.45	263.93
135	286.87	301.39	301.39
140	322.53	338.82	338.82
145	356.34	374.31	374.31
150	387.21	406.71	406.71
155	414.37	435.22	435.22
160	437.39	459.38	459.38
165	456.15	479.07	479.07
170	470.80	494.45	494.45
175	481.72	505.91	506.55

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

Azimuth	E_{theo}	E_{std}	E_{aug}
180	489.42	514.00	516.80
185	494.51	519.34	524.62
190	497.61	522.59	529.30
195	499.30	524.37	530.93
200	500.10	525.21	531.05
205	500.40	525.52	530.53
210	500.48	525.61	530.09
215	500.47	525.60	530.15
220	500.36	525.48	530.66
225	499.99	525.09	531.11
230	499.05	524.11	530.70
235	497.12	522.08	528.45
240	493.67	518.46	523.02
245	488.11	512.62	514.65
250	479.81	503.91	504.16
255	468.18	491.70	491.85
260	452.73	475.49	476.74
265	433.13	454.91	458.23
270	409.26	429.85	435.88
275	381.31	400.52	409.41
280	349.78	367.42	378.80
285	315.51	331.45	344.40
290	279.63	293.79	307.05
295	243.55	255.94	268.58
300	208.87	219.57	230.92
305	177.25	186.41	196.22
310	150.23	158.09	166.81
315	129.00	135.85	144.84
320	113.95	120.11	129.39
325	104.49	110.22	118.47
330	99.19	104.67	113.12
335	96.43	101.79	111.52
340	95.08	100.39	111.20
345	94.65	99.94	110.67
350	95.11	100.41	109.96
355	96.61	101.98	109.89