

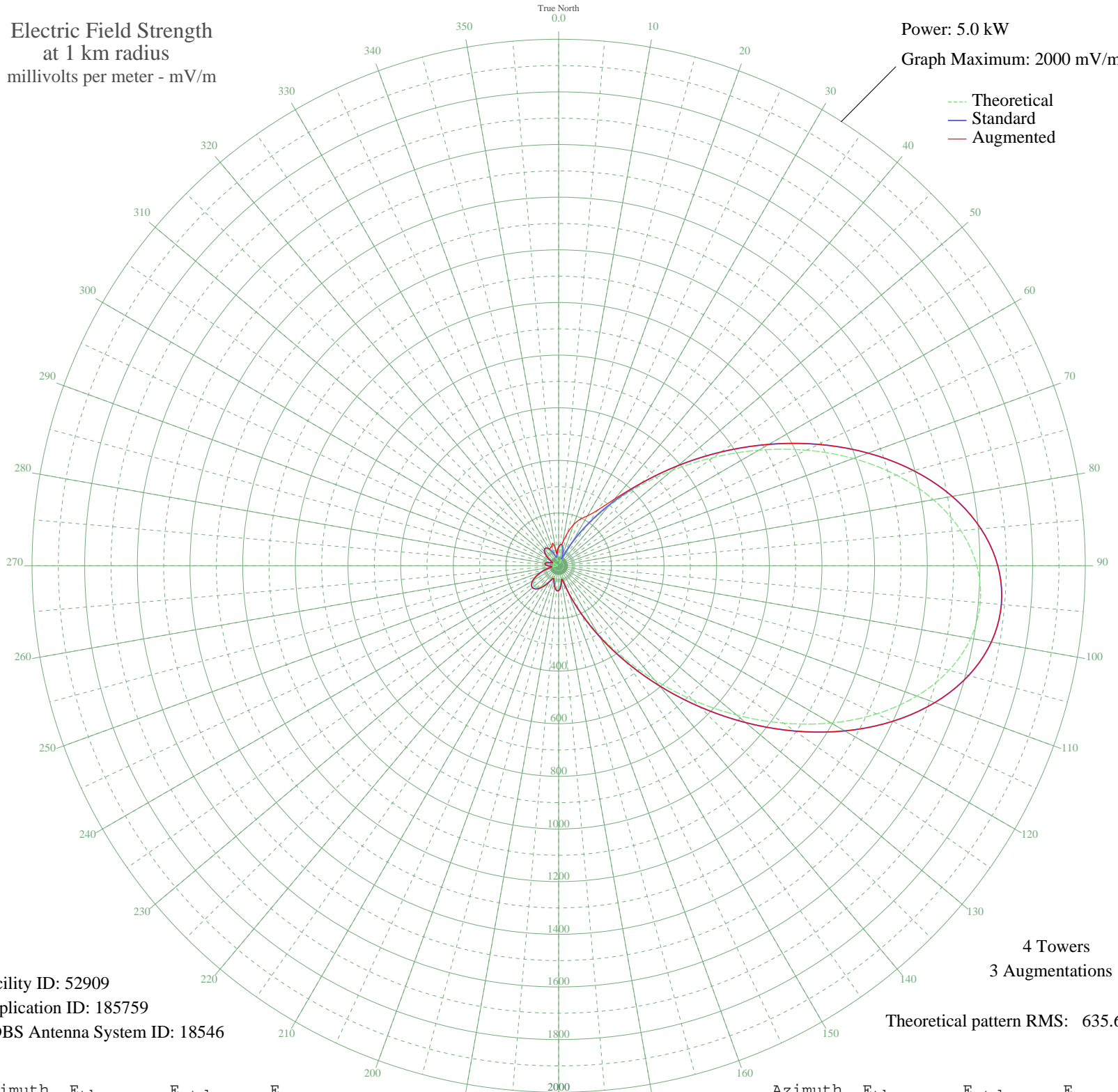
WKTA EVANSTON, IL BL-19930428AD 1330 kHz

Daytime

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 52909
Application ID: 185759
CDBS Antenna System ID: 18546

4 Towers
3 Augmentations

Theoretical pattern RMS: 635.69

Azimuth	E _{theo}	E _{std}	E _{aug}
0	63.27	70.94	70.94
5	72.55	80.14	80.14
10	71.27	78.87	90.16
15	56.56	64.39	127.99
20	26.40	37.25	166.45
25	25.93	36.89	194.95
30	93.71	101.49	219.09
35	182.76	193.51	257.61
40	291.90	307.51	330.98
45	419.50	441.18	444.96
50	562.70	591.36	591.36
55	717.33	753.61	753.61
60	878.00	922.23	922.23
65	1038.29	1090.48	1090.48
70	1191.09	1250.89	1250.89
75	1329.07	1395.74	1395.74
80	1445.17	1517.63	1517.63
85	1533.17	1610.02	1610.02
90	1588.21	1667.80	1667.80
95	1607.18	1687.72	1687.72
100	1589.03	1668.66	1668.66
105	1534.80	1611.73	1611.73
110	1447.58	1520.16	1520.16
115	1332.21	1399.04	1399.04
120	1194.85	1254.84	1254.84
125	1042.49	1094.89	1094.89
130	882.41	926.87	926.87
135	721.69	758.18	758.18
140	566.76	595.61	595.61
145	423.11	444.96	444.96
150	295.17	310.93	310.93
155	186.42	197.32	197.32
160	100.47	108.39	108.39
165	48.06	56.26	56.26
170	52.72	60.69	60.69
175	74.90	82.49	82.49

Azimuth	E _{theo}	E _{std}	E _{aug}
180	86.87	94.55	94.55
185	86.52	94.19	94.19
190	76.12	83.71	83.71
195	59.89	67.62	67.62
200	45.67	54.02	54.02
205	46.34	54.65	54.65
210	63.18	70.85	70.85
215	84.66	92.31	92.31
220	103.56	111.55	111.55
225	116.36	124.69	124.69
230	121.24	129.71	129.71
235	117.51	125.87	125.87
240	105.47	113.50	113.50
245	86.36	94.03	94.03
250	62.19	69.88	69.88
255	35.63	44.93	44.93
260	10.17	27.08	27.08
265	14.81	29.34	29.34
270	31.78	41.63	41.63
275	41.66	50.32	50.32
280	43.32	51.85	51.85
285	36.90	46.04	46.04
290	23.54	35.07	35.07
295	5.67	25.58	25.58
300	16.41	30.27	30.27
305	37.19	46.30	46.30
310	55.33	63.20	63.20
315	68.53	76.14	76.14
320	75.21	82.80	82.80
325	74.56	82.15	82.15
330	66.62	74.25	74.25
335	52.42	60.40	74.47
340	34.35	43.82	75.59
345	20.06	32.60	88.30
350	27.92	38.45	52.67
355	46.79	55.08	55.08

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

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