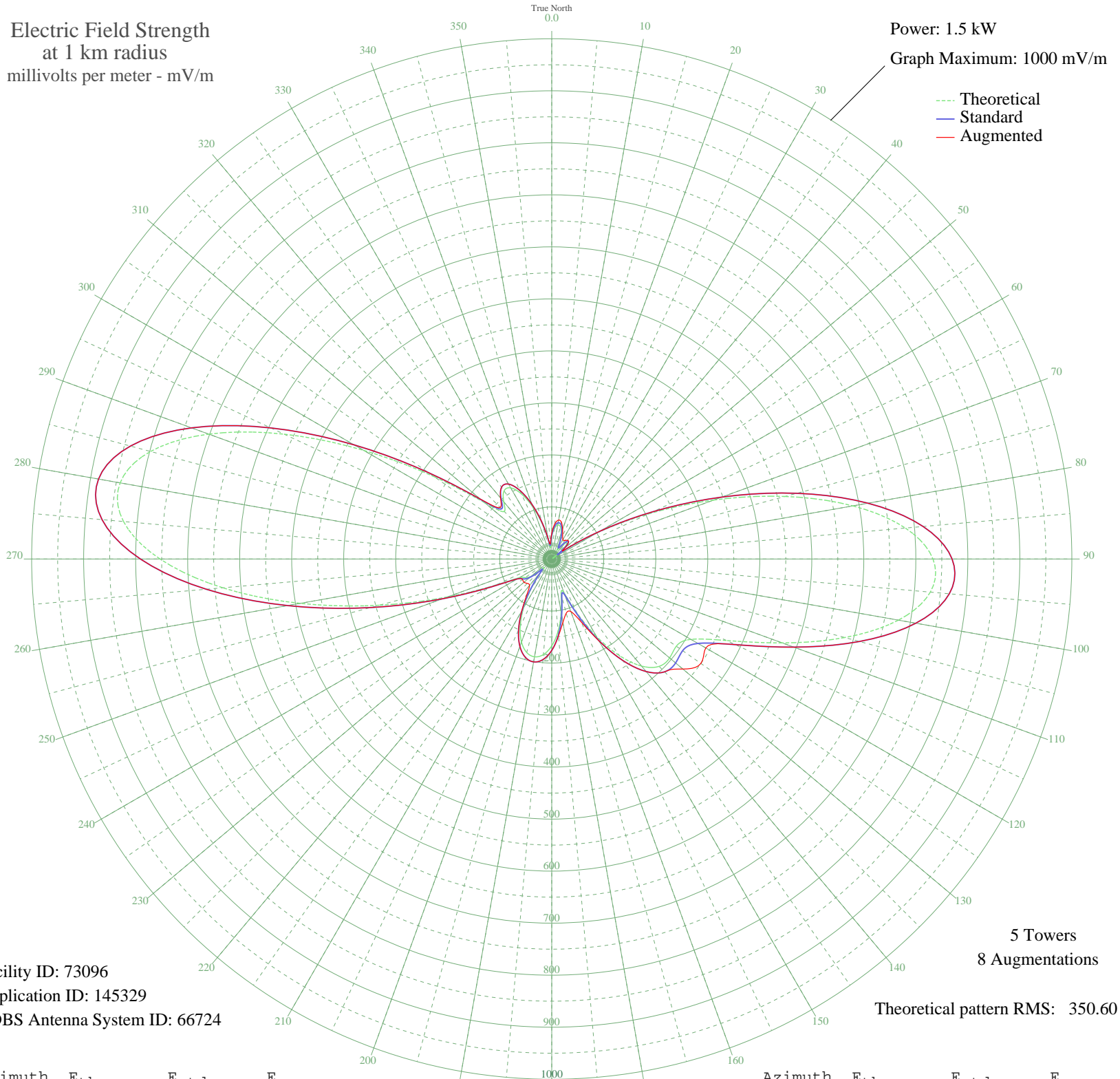


WMIX MOUNT VERNON, IL BL-19900222AB 940 kHz

Nighttime

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

Power: 1.5 kW
Graph Maximum: 1000 mV/m



Facility ID: 73096
Application ID: 145329
CDBS Antenna System ID: 66724

5 Towers
8 Augmentations
Theoretical pattern RMS: 350.60

Azimuth	E _{theo}	E _{std}	E _{aug}
0	42.15	46.09	49.28
5	58.80	63.06	67.68
10	66.37	70.87	76.00
15	64.07	68.49	72.50
20	52.76	56.87	61.08
25	35.25	39.18	49.61
30	20.19	24.79	43.00
35	26.51	30.66	43.20
40	39.69	43.62	47.02
45	41.45	45.38	45.53
50	22.54	26.93	32.67
55	23.61	27.93	34.39
60	100.03	105.82	106.07
65	205.07	215.71	215.71
70	331.05	347.84	347.84
75	464.52	487.92	487.92
80	587.88	617.41	617.41
85	682.54	716.79	716.79
90	732.99	769.75	769.75
95	730.69	767.33	767.33
100	676.84	710.80	710.80
105	583.28	612.58	612.58
110	471.62	495.37	495.37
115	370.71	389.46	389.46
120	308.87	324.57	342.00
125	292.32	307.20	350.00
130	295.85	310.90	329.06
135	291.91	306.77	306.77
140	268.68	282.41	282.41
145	226.45	238.12	238.12
150	171.60	180.64	181.84
155	113.78	120.16	132.98
160	69.58	74.18	107.51
165	69.99	74.61	107.80
170	103.83	109.78	123.68
175	139.29	146.82	148.30

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	166.99	175.81	175.81
185	184.47	194.12	194.12
190	190.92	200.87	200.87
195	186.05	195.77	195.77
200	169.97	178.93	178.93
205	143.36	151.07	151.07
210	107.91	114.03	115.07
215	67.11	71.63	83.11
220	29.25	33.30	66.51
225	28.70	32.76	66.24
230	51.16	55.24	69.48
235	62.46	66.84	68.59
240	72.04	76.73	76.73
245	117.69	124.24	124.24
250	212.86	223.88	223.88
255	343.35	360.75	360.75
260	491.02	515.73	515.73
265	634.94	666.81	666.81
270	753.16	790.92	790.92
275	826.52	867.94	867.94
280	842.64	884.86	884.86
285	798.63	838.67	838.67
290	701.75	736.95	736.95
295	567.70	596.23	596.23
300	417.65	438.72	438.72
305	275.42	289.47	289.47
310	168.49	177.39	178.92
315	128.99	136.05	140.00
320	143.67	151.40	153.20
325	159.84	168.33	168.33
330	157.92	166.32	166.32
335	138.12	145.60	145.60
340	106.10	112.14	112.14
345	68.68	73.25	73.51
350	33.77	37.72	39.22
355	22.94	27.30	30.00