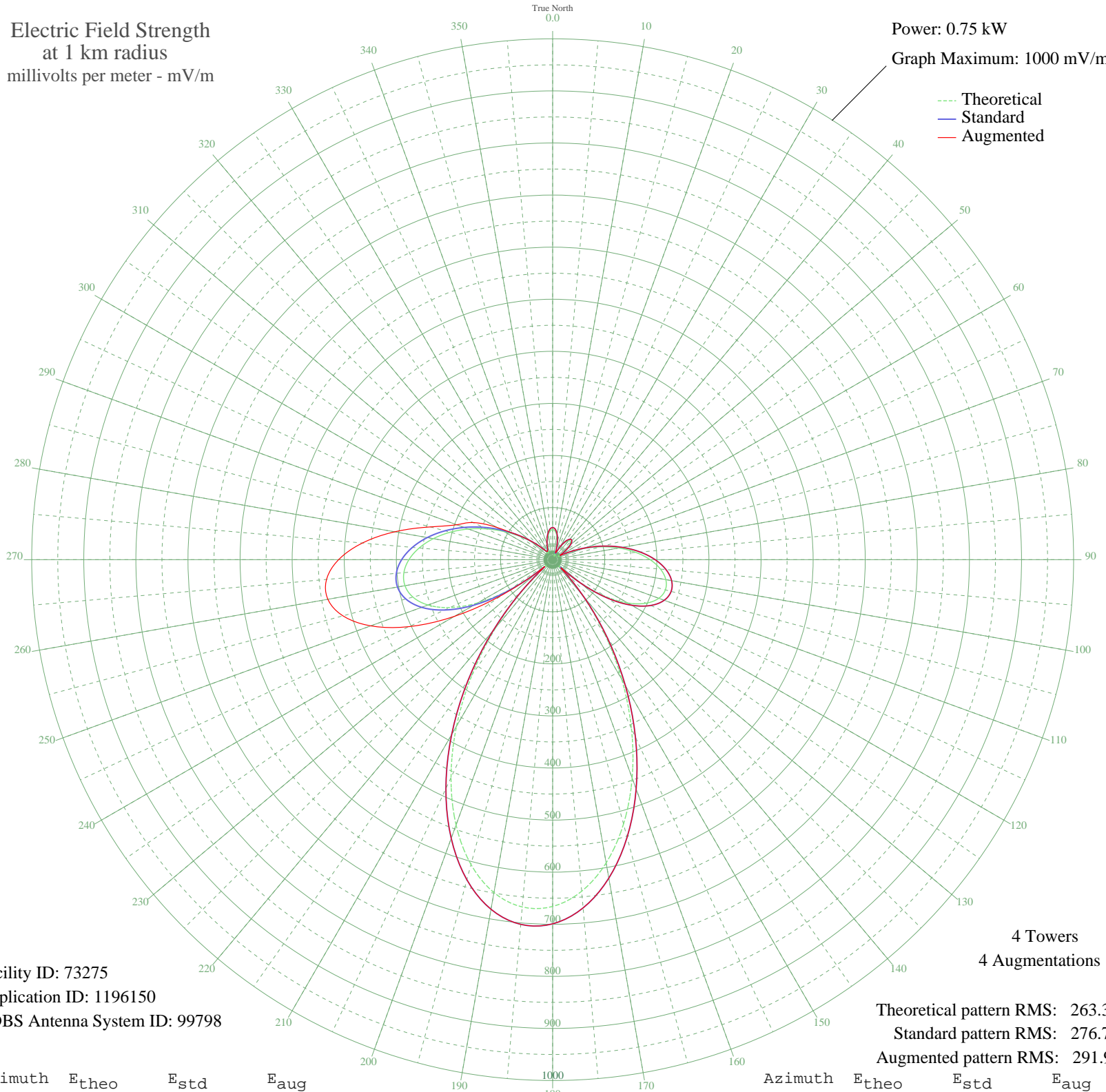


# WMOK METROPOLIS, IL BL-20070713AGD 920 kHz

Nighttime

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

Power: 0.75 kW  
Graph Maximum: 1000 mV/m



Facility ID: 73275  
Application ID: 1196150  
CDBS Antenna System ID: 99798

Theoretical pattern RMS: 263.39  
Standard pattern RMS: 276.76  
Augmented pattern RMS: 291.99

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	57.92	61.71	61.71
5	54.89	58.58	58.58
10	45.91	49.34	49.34
15	31.78	34.98	34.98
20	14.66	18.64	19.07
25	9.30	14.34	15.24
30	25.48	28.74	28.76
35	39.49	42.78	42.78
40	47.73	51.20	51.20
45	48.53	52.03	52.03
50	41.29	44.61	44.61
55	26.64	29.87	29.87
60	11.78	16.22	16.22
65	30.10	33.31	33.31
70	61.40	65.32	65.32
75	95.28	100.59	100.59
80	128.97	135.82	135.82
85	160.24	168.58	168.58
90	187.12	196.76	196.76
95	207.79	218.43	218.43
100	220.59	231.86	231.86
105	224.04	235.48	235.48
110	216.83	227.92	227.92
115	197.87	208.03	208.03
120	166.39	175.02	175.02
125	122.09	128.62	128.62
130	65.63	69.70	69.86
135	17.12	20.82	22.25
140	86.97	91.92	91.98
145	173.76	182.75	182.75
150	265.55	279.02	279.02
155	357.91	375.96	375.96
160	446.19	468.62	468.62
165	525.53	551.91	551.91
170	591.22	620.87	620.87
175	639.08	671.11	671.11

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	665.80	699.17	699.17
185	669.33	702.88	702.88
190	649.03	681.56	681.56
195	605.83	636.21	636.21
200	542.13	569.34	569.34
205	461.65	484.85	484.85
210	369.07	387.67	387.67
215	269.63	283.31	283.31
220	168.74	177.48	177.48
225	71.97	76.30	76.30
230	25.76	29.02	29.02
235	100.62	106.17	117.30
240	166.16	174.79	217.63
245	217.66	228.79	304.29
250	254.67	267.61	371.65
255	277.69	291.77	416.77
260	287.87	302.44	438.16
265	286.69	301.21	435.73
270	275.88	289.86	410.89
275	257.23	270.29	366.65
280	232.52	244.37	307.94
285	203.52	213.95	242.89
290	171.96	180.86	195.98
295	139.56	146.92	168.58
300	108.02	113.90	124.07
305	78.97	83.58	83.58
310	53.97	57.64	57.64
315	34.40	37.62	37.62
320	21.36	24.77	24.77
325	15.34	19.23	19.23
330	15.32	19.21	19.21
335	19.86	23.35	23.35
340	28.04	31.26	31.26
345	38.19	41.45	41.45
350	48.02	51.50	51.50
355	55.23	58.93	58.93

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission