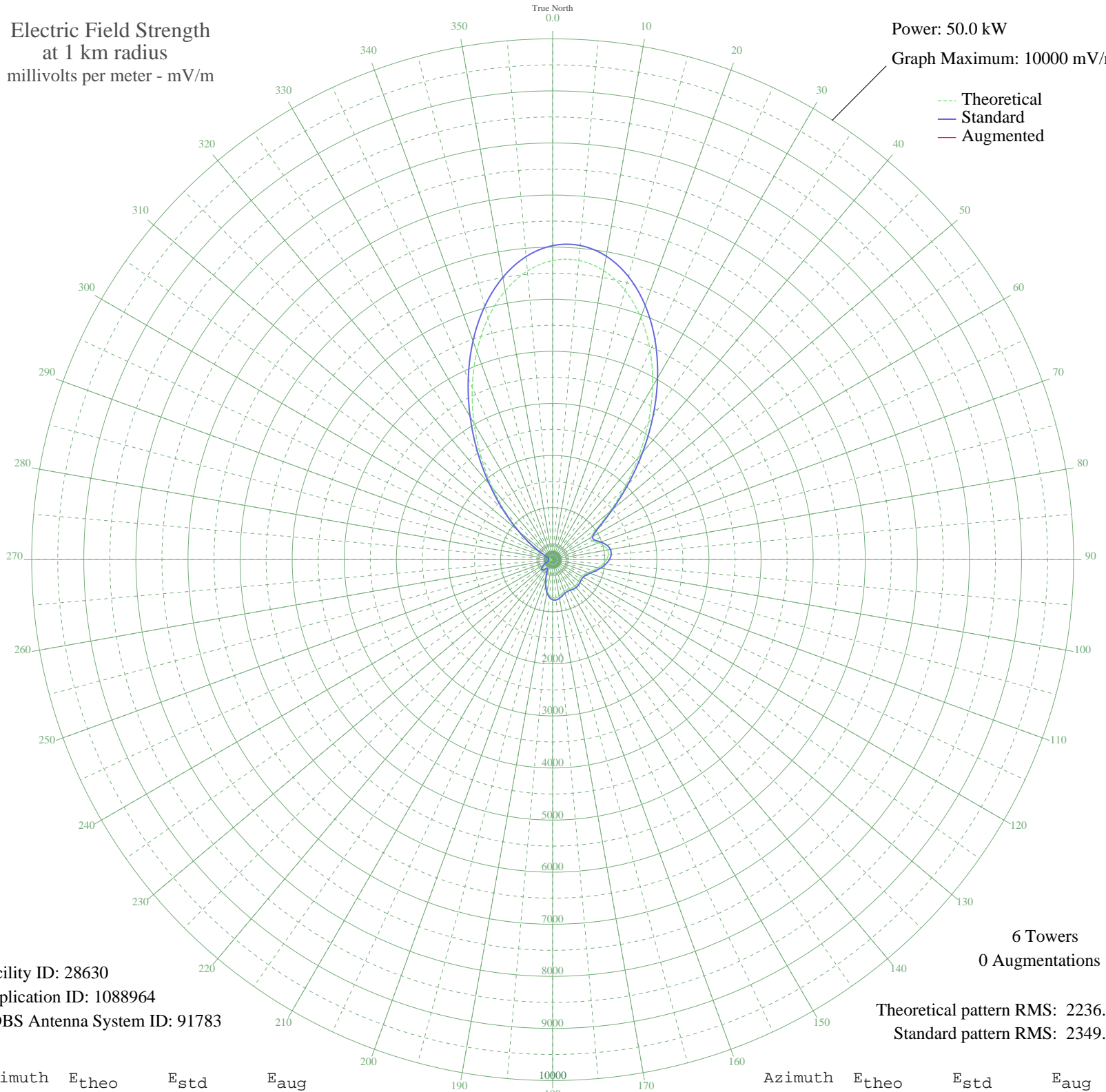


# WYLL CHICAGO, IL BL-20050920AGE 1160 kHz

Nighttime

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

Power: 50.0 kW  
Graph Maximum: 10000 mV/m



Facility ID: 28630  
Application ID: 1088964  
CDBS Antenna System ID: 91783

6 Towers  
0 Augmentations

Theoretical pattern RMS: 2236.00  
Standard pattern RMS: 2349.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	5741.68	6029.23	
5	5766.50	6055.29	
10	5635.70	5917.96	
15	5356.93	5625.27	
20	4946.63	5194.50	
25	4428.93	4650.98	
30	3834.10	4026.50	
35	3196.84	3357.51	
40	2554.79	2683.57	
45	1948.14	2046.92	
50	1422.01	1494.99	
55	1033.04	1087.27	
60	843.09	888.40	
65	845.90	891.34	
70	935.68	985.31	
75	1022.09	1075.80	
80	1069.25	1125.20	
85	1071.07	1127.11	
90	1033.78	1088.05	
95	968.20	1019.36	
100	886.44	933.77	
105	800.95	844.32	
110	724.20	764.09	
115	667.73	705.10	
120	638.57	674.67	
125	634.90	670.83	
130	645.94	682.36	
135	657.95	694.89	
140	660.98	698.06	
145	652.93	689.65	
150	640.31	676.48	
155	635.34	671.29	
160	648.25	684.76	
165	678.59	716.44	
170	713.77	753.19	
175	735.93	776.34	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	729.60	769.73	
185	686.00	724.18	
190	604.36	638.98	
195	491.78	521.77	
200	362.81	388.24	
205	241.30	264.20	
210	169.47	193.05	
215	182.22	205.46	
220	228.02	250.85	
225	257.02	280.07	
230	255.36	278.38	
235	224.19	247.02	
240	171.57	195.08	
245	108.91	136.68	
250	48.47	90.53	
255	1.41	74.88	
260	25.70	79.58	
265	28.98	80.82	
270	11.82	75.89	
275	19.43	77.60	
280	48.22	90.38	
285	58.62	96.92	
290	31.29	81.76	
295	58.59	96.91	
300	221.44	244.27	
305	474.56	503.88	
310	823.86	868.28	
315	1267.47	1332.94	
320	1794.68	1885.90	
325	2386.19	2506.62	
330	3015.33	3166.99	
335	3650.03	3833.27	
340	4255.41	4468.80	
345	4796.56	5036.94	
350	5241.37	5503.95	
355	5562.96	5841.59	

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.

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13 Nov 2009

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Prepared by Audio Division, Media Bureau  
Federal Communications Commission