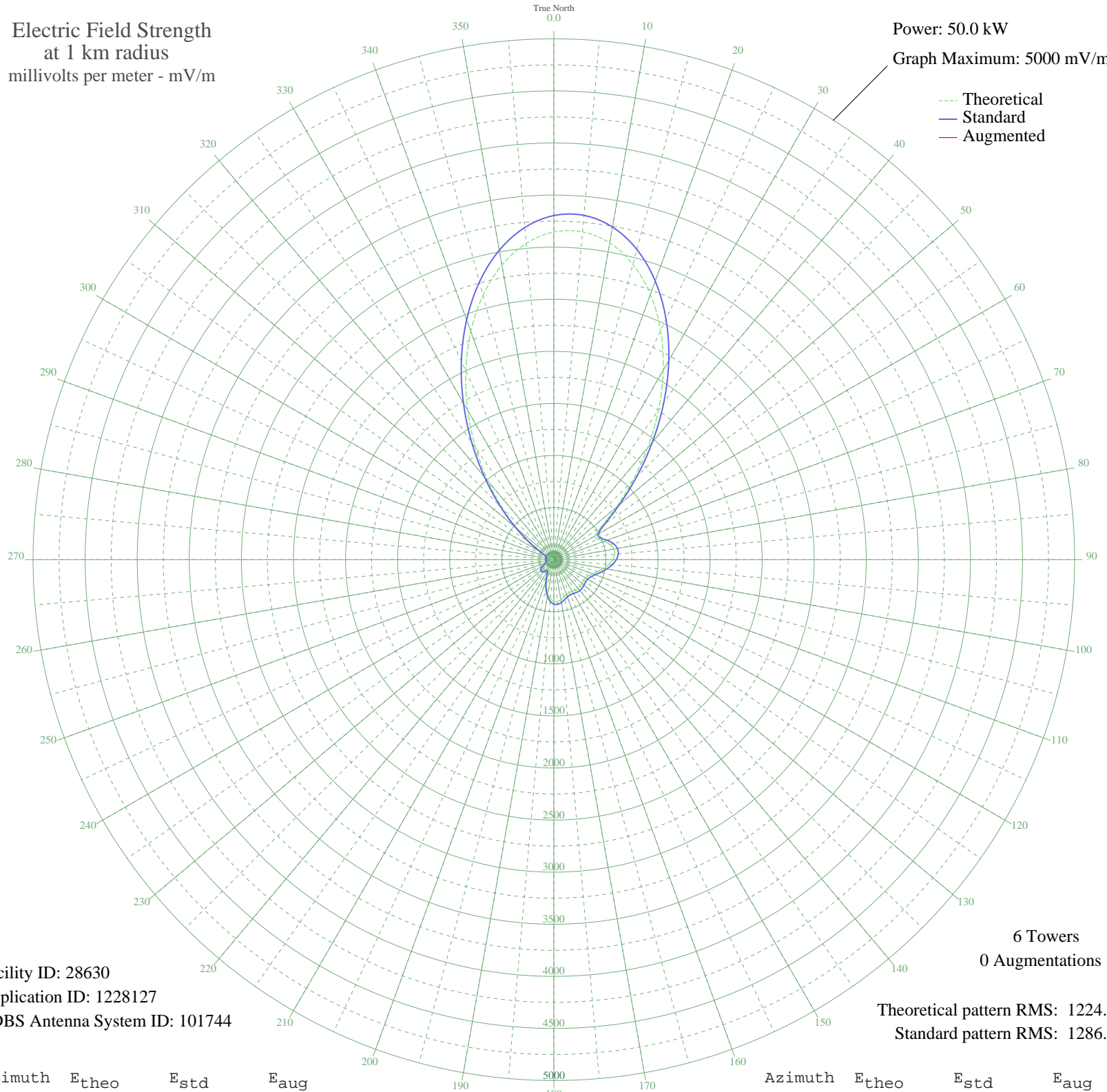


# WYLL CHICAGO, IL BSTA-20080111ABB 1160 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 28630  
Application ID: 1228127  
CDBS Antenna System ID: 101744

6 Towers  
0 Augmentations

Theoretical pattern RMS: 1224.90  
Standard pattern RMS: 1286.80

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	3145.34	3303.45	
5	3158.94	3317.72	
10	3087.29	3242.50	
15	2934.57	3082.19	
20	2709.81	2846.27	
25	2426.21	2548.60	
30	2100.35	2206.62	
35	1751.25	1840.32	
40	1399.53	1471.39	
45	1067.21	1123.03	
50	778.99	821.30	
55	565.91	598.82	
60	461.85	490.59	
65	463.39	492.19	
70	512.57	543.30	
75	559.91	592.58	
80	585.74	619.49	
85	586.74	620.54	
90	566.32	599.25	
95	530.39	561.83	
100	485.60	515.26	
105	438.77	466.65	
110	396.73	423.13	
115	365.79	391.19	
120	349.81	374.73	
125	347.80	372.66	
130	353.85	378.89	
135	360.43	385.66	
140	362.09	387.38	
145	357.68	382.83	
150	350.77	375.71	
155	348.04	372.91	
160	355.11	380.19	
165	371.74	397.32	
170	391.01	417.22	
175	403.15	429.77	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	399.68	426.18	
185	375.80	401.51	
190	331.07	355.47	
195	269.40	292.45	
200	198.75	221.50	
205	132.19	157.41	
210	92.84	122.53	
215	99.82	128.45	
220	124.91	150.71	
225	140.80	165.44	
230	139.89	164.58	
235	122.81	148.80	
240	93.99	123.50	
245	59.66	97.14	
250	26.55	79.31	
255	0.77	74.25	
260	14.08	75.70	
265	15.88	76.09	
270	6.47	74.56	
275	10.64	75.08	
280	26.41	79.26	
285	32.11	81.54	
290	17.14	76.40	
295	32.10	81.54	
300	121.31	147.43	
305	259.97	282.88	
310	451.32	479.66	
315	694.33	732.82	
320	983.14	1034.96	
325	1307.18	1374.54	
330	1651.83	1736.00	
335	1999.52	2100.81	
340	2331.15	2448.83	
345	2627.60	2759.97	
350	2871.27	3015.75	
355	3047.44	3200.67	

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.

15 Mar 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission