

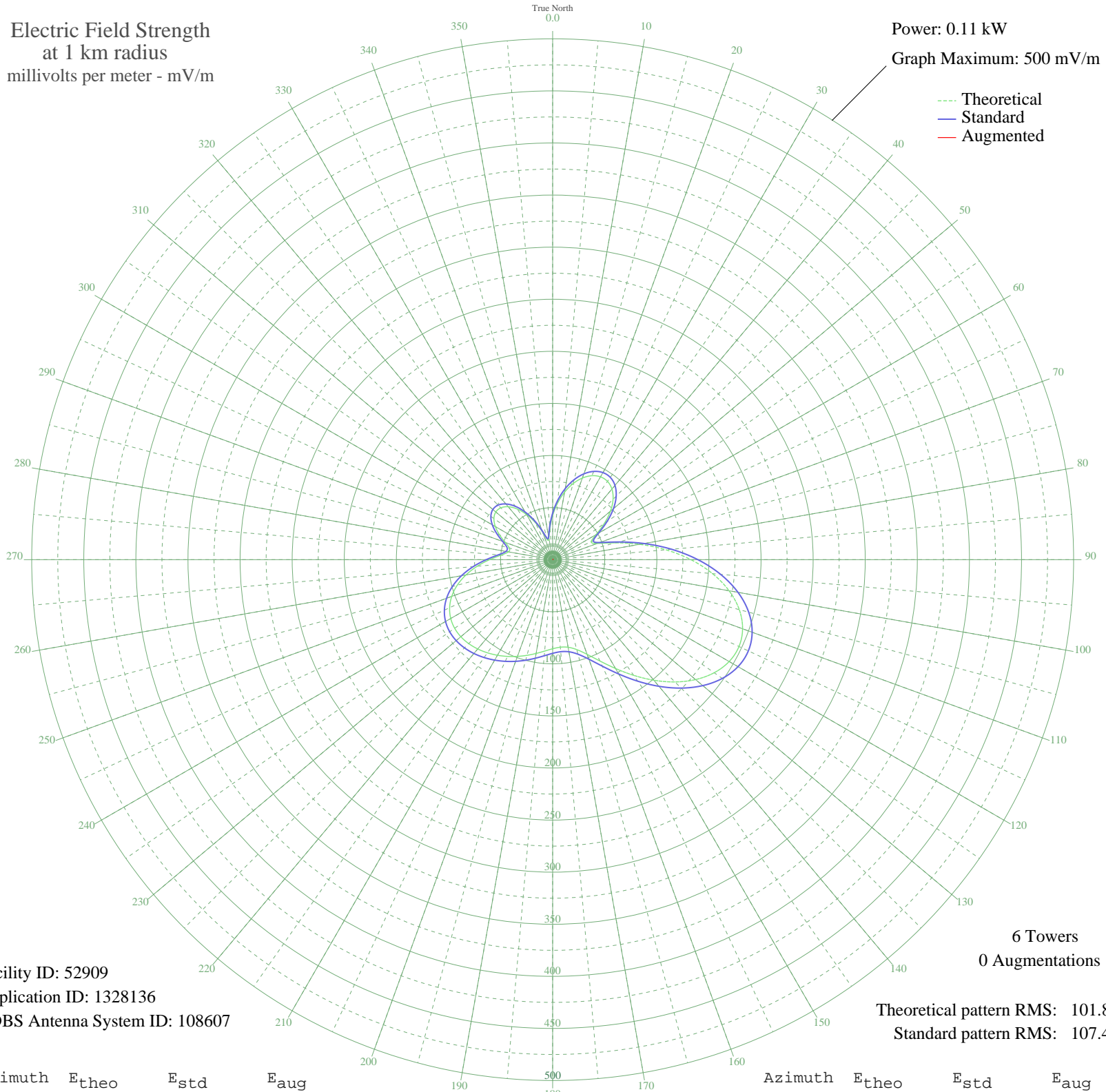
WKTA EVANSTON, IL BP-20090819AEA 1330 kHz

Nighttime

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

Power: 0.11 kW
Graph Maximum: 500 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 52909
Application ID: 1328136
CDBS Antenna System ID: 108607

6 Towers
0 Augmentations

Theoretical pattern RMS: 101.84
Standard pattern RMS: 107.45

Azimuth	E _{theo}	E _{std}	E _{aug}
0	42.33	44.68	
5	54.50	57.40	
10	65.76	69.20	
15	75.53	79.44	
20	83.38	87.67	
25	88.92	93.48	
30	91.82	96.52	
35	91.76	96.45	
40	88.52	93.05	
45	82.00	86.22	
50	72.40	76.15	
55	60.43	63.61	
60	48.15	50.76	
65	40.74	43.02	
70	45.59	48.09	
75	62.30	65.58	
80	84.81	89.17	
85	109.05	114.60	
90	132.69	139.40	
95	154.07	161.84	
100	171.97	180.63	
105	185.47	194.80	
110	194.00	203.75	
115	197.33	207.25	
120	195.60	205.43	
125	189.27	198.79	
130	179.08	188.09	
135	165.99	174.35	
140	151.09	158.71	
145	135.56	142.42	
150	120.61	126.72	
155	107.35	112.81	
160	96.73	101.67	
165	89.37	93.95	
170	85.39	89.78	
175	84.36	88.70	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	85.53	89.92	
185	88.09	92.61	
190	91.42	96.10	
195	95.07	99.93	
200	98.80	103.84	
205	102.47	107.69	
210	105.95	111.35	
215	109.15	114.70	
220	111.89	117.57	
225	113.95	119.74	
230	115.04	120.88	
235	114.83	120.65	
240	112.95	118.69	
245	109.11	114.65	
250	103.08	108.33	
255	94.81	99.66	
260	84.52	88.86	
265	72.74	76.51	
270	60.54	63.73	
275	49.75	52.44	
280	43.11	45.50	
285	42.96	45.34	
290	48.39	51.02	
295	56.17	59.16	
300	63.52	66.86	
305	68.82	72.41	
310	71.22	74.92	
315	70.38	74.04	
320	66.34	69.80	
325	59.38	62.52	
330	50.05	52.76	
335	39.15	41.36	
340	28.01	29.77	
345	19.87	21.36	
350	20.86	22.37	
355	30.27	32.11	

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

Prepared by Audio Division, Media Bureau
Federal Communications Commission