

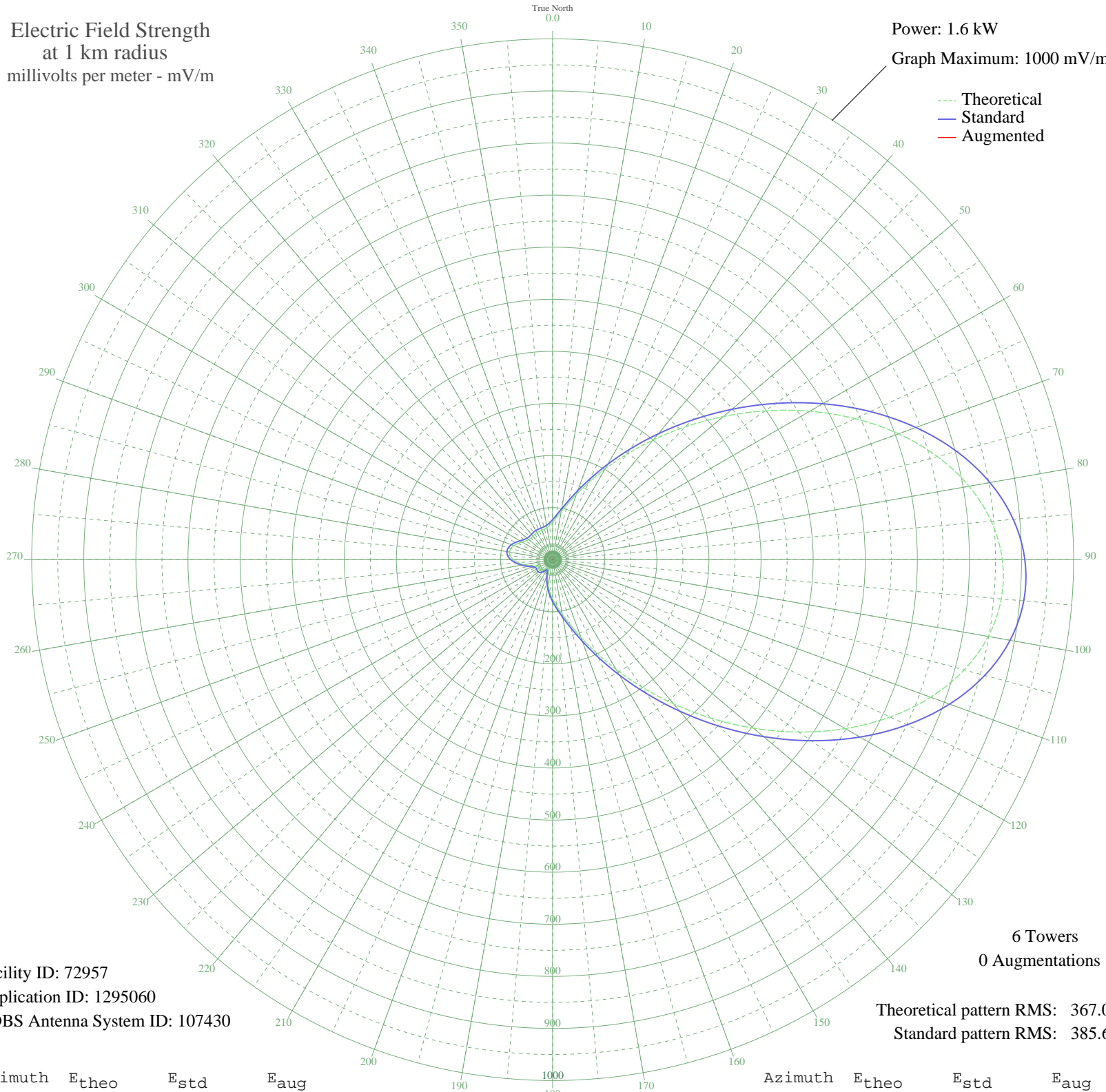
WEEF DEERFIELD, IL BMJP-20050118AEC 1430 kHz

Daytime

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

Power: 1.6 kW
Graph Maximum: 1000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 72957
Application ID: 1295060
CDBS Antenna System ID: 107430

6 Towers
0 Augmentations

Theoretical pattern RMS: 367.00
Standard pattern RMS: 385.60

Azimuth	E _{theo}	E _{std}	E _{aug}
0	72.12	76.88	
5	81.09	86.18	
10	93.68	99.26	
15	110.86	117.16	
20	133.79	141.10	
25	163.57	172.26	
30	201.05	211.52	
35	246.62	259.29	
40	300.13	315.42	
45	360.87	379.14	
50	427.48	449.05	
55	498.04	523.12	
60	570.07	598.72	
65	640.64	672.81	
70	706.57	742.01	
75	764.59	802.93	
80	811.67	852.35	
85	845.16	887.52	
90	863.14	906.39	
95	864.49	907.81	
100	849.06	891.62	
105	817.70	858.68	
110	772.11	810.82	
115	714.75	750.61	
120	648.64	681.20	
125	577.05	606.05	
130	503.31	528.64	
135	430.54	452.26	
140	361.50	379.81	
145	298.44	313.65	
150	243.03	255.52	
155	196.24	206.48	
160	158.38	166.83	
165	128.93	136.03	
170	106.60	112.71	
175	89.47	94.87	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	75.48	80.36	
185	62.93	67.40	
190	50.81	54.97	
195	38.84	42.89	
200	27.59	31.87	
205	18.96	23.93	
210	16.70	22.00	
215	20.88	25.63	
220	26.50	30.83	
225	30.69	34.85	
230	32.55	36.67	
235	32.30	36.43	
240	31.27	35.41	
245	31.94	36.08	
250	36.66	40.72	
255	45.35	49.44	
260	56.06	60.35	
265	66.67	71.25	
270	75.49	80.37	
275	81.43	86.53	
280	83.93	89.12	
285	83.00	88.16	
290	79.23	84.25	
295	73.68	78.50	
300	67.73	72.34	
305	62.77	67.24	
310	59.75	64.13	
315	58.75	63.10	
320	59.06	63.42	
325	59.77	64.15	
330	60.23	64.62	
335	60.27	64.67	
340	60.22	64.62	
345	60.70	65.10	
350	62.43	66.89	
355	66.07	70.63	

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