

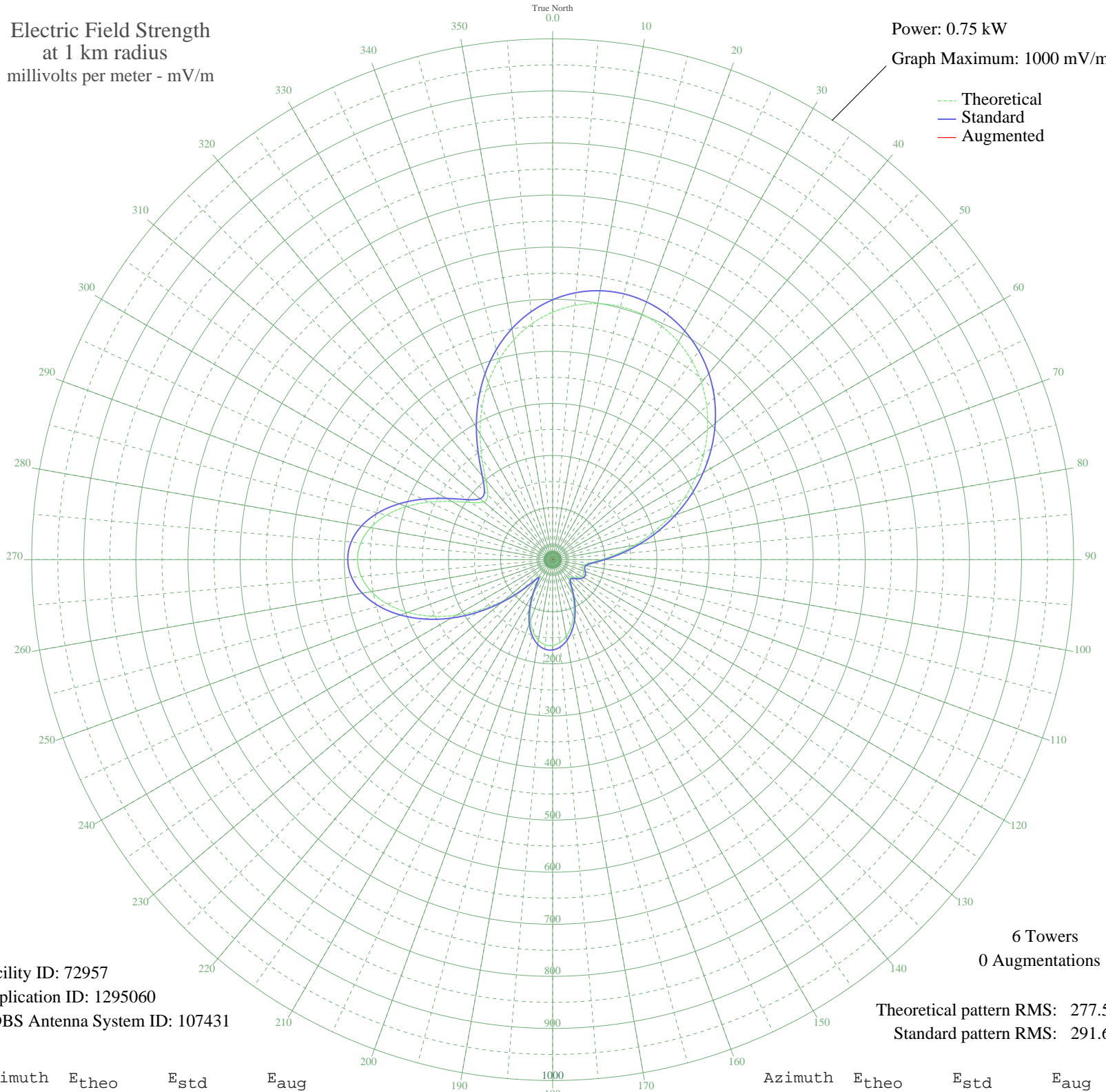
WEEF DEERFIELD, IL BMJP-20050118AEC 1430 kHz

Nighttime

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

Power: 0.75 kW
Graph Maximum: 1000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 72957
Application ID: 1295060
CDBS Antenna System ID: 107431

6 Towers
0 Augmentations

Theoretical pattern RMS: 277.50
Standard pattern RMS: 291.60

Azimuth	E _{theo}	E _{std}	E _{aug}
0	475.13	499.00	
5	489.94	514.54	
10	499.21	524.27	
15	503.02	528.27	
20	501.47	526.65	
25	494.67	519.50	
30	482.73	506.98	
35	465.83	489.23	
40	444.16	466.49	
45	418.03	439.06	
50	387.83	407.35	
55	354.06	371.91	
60	317.39	333.43	
65	278.61	292.73	
70	238.68	250.84	
75	198.75	208.95	
80	160.17	168.51	
85	124.64	131.29	
90	94.34	99.61	
95	72.18	76.51	
100	60.91	64.81	
105	59.61	63.47	
110	62.79	66.76	
115	65.25	69.31	
120	64.46	68.50	
125	60.01	63.88	
130	53.22	56.85	
135	47.58	51.06	
140	48.59	52.09	
145	59.14	62.98	
150	76.48	80.98	
155	96.62	102.00	
160	116.73	123.02	
165	134.86	141.99	
170	149.57	157.40	
175	159.82	168.14	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	164.80	173.35	
185	163.95	172.47	
190	156.96	165.14	
195	143.72	151.27	
200	124.39	131.04	
205	99.61	105.11	
210	71.05	75.34	
215	45.06	48.47	
220	45.08	48.48	
225	77.69	82.24	
230	121.09	127.58	
235	167.37	176.05	
240	213.37	224.29	
245	256.87	269.92	
250	295.86	310.83	
255	328.53	345.11	
260	353.29	371.11	
265	368.89	387.48	
270	374.46	393.32	
275	369.64	388.26	
280	354.65	372.53	
285	330.37	347.05	
290	298.44	313.54	
295	261.52	274.80	
300	223.68	235.10	
305	191.23	201.07	
310	172.89	181.84	
315	176.07	185.17	
320	199.91	210.16	
325	236.62	248.68	
330	278.68	292.81	
335	321.21	337.43	
340	361.36	379.58	
345	397.53	417.54	
350	428.81	450.38	
355	454.74	477.60	

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