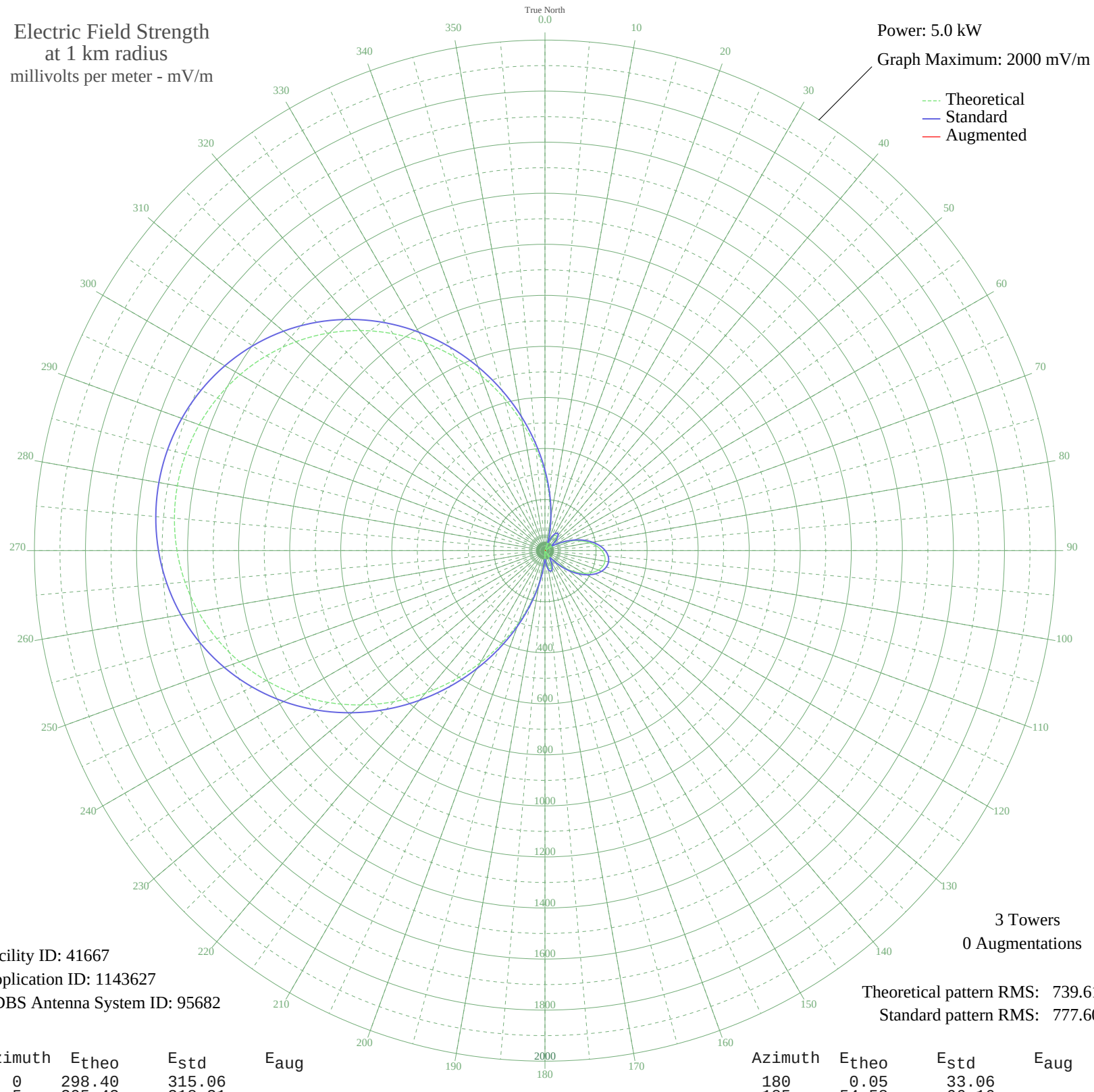
WJNZ KENTWOOD, MI BL-20060629AGZ 1140 kHz

Daytime

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



Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 41667
Application ID: 1143627
CDBS Antenna System ID: 95682

Theoretical pattern RMS: 739.61
Standard pattern RMS: 777.60

Azimuth	E_{theo}	E_{std}	E_{aug}
0	298.40	315.06	
5	205.42	218.21	
10	123.49	133.82	
15	54.58	66.16	
20	0.06	33.06	
25	39.36	52.92	
30	63.64	74.55	
35	73.45	83.91	
40	70.05	80.64	
45	55.20	66.73	
50	31.05	46.43	
55	0.06	33.06	
60	35.67	49.96	
65	73.37	83.84	
70	110.90	121.05	
75	146.22	157.05	
80	177.54	189.33	
85	203.42	216.14	
90	222.72	236.18	
95	234.61	248.55	
100	238.63	252.74	
105	234.61	248.55	
110	222.72	236.18	
115	203.42	216.14	
120	177.55	189.33	
125	146.22	157.05	
130	110.91	121.05	
135	73.37	83.84	
140	35.67	49.96	
145	0.06	33.06	
150	31.05	46.43	
155	55.20	66.73	
160	70.05	80.64	
165	73.45	83.91	
170	63.64	74.55	
175	39.36	52.92	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	0.05	33.06	
185	54.58	66.16	
190	123.49	133.82	
195	205.42	218.21	
200	298.39	315.05	
205	399.99	421.29	
210	507.48	533.87	
215	617.99	649.73	
220	728.69	765.84	
225	836.94	879.41	
230	940.39	987.97	
235	1037.08	1089.43	
240	1125.45	1182.19	
245	1204.40	1265.05	
250	1273.17	1337.23	
255	1331.35	1398.31	
260	1378.80	1448.12	
265	1415.52	1486.66	
270	1441.60	1514.04	
275	1457.19	1530.41	
280	1462.37	1535.85	
285	1457.19	1530.41	
290	1441.60	1514.04	
295	1415.52	1486.66	
300	1378.80	1448.12	
305	1331.35	1398.31	
310	1273.17	1337.23	
315	1204.40	1265.05	
320	1125.45	1182.19	
325	1037.08	1089.43	
330	940.39	987.97	
335	836.94	879.41	
340	728.69	765.84	
345	617.99	649.73	
350	507.48	533.87	
355	399.99	421.29	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission