

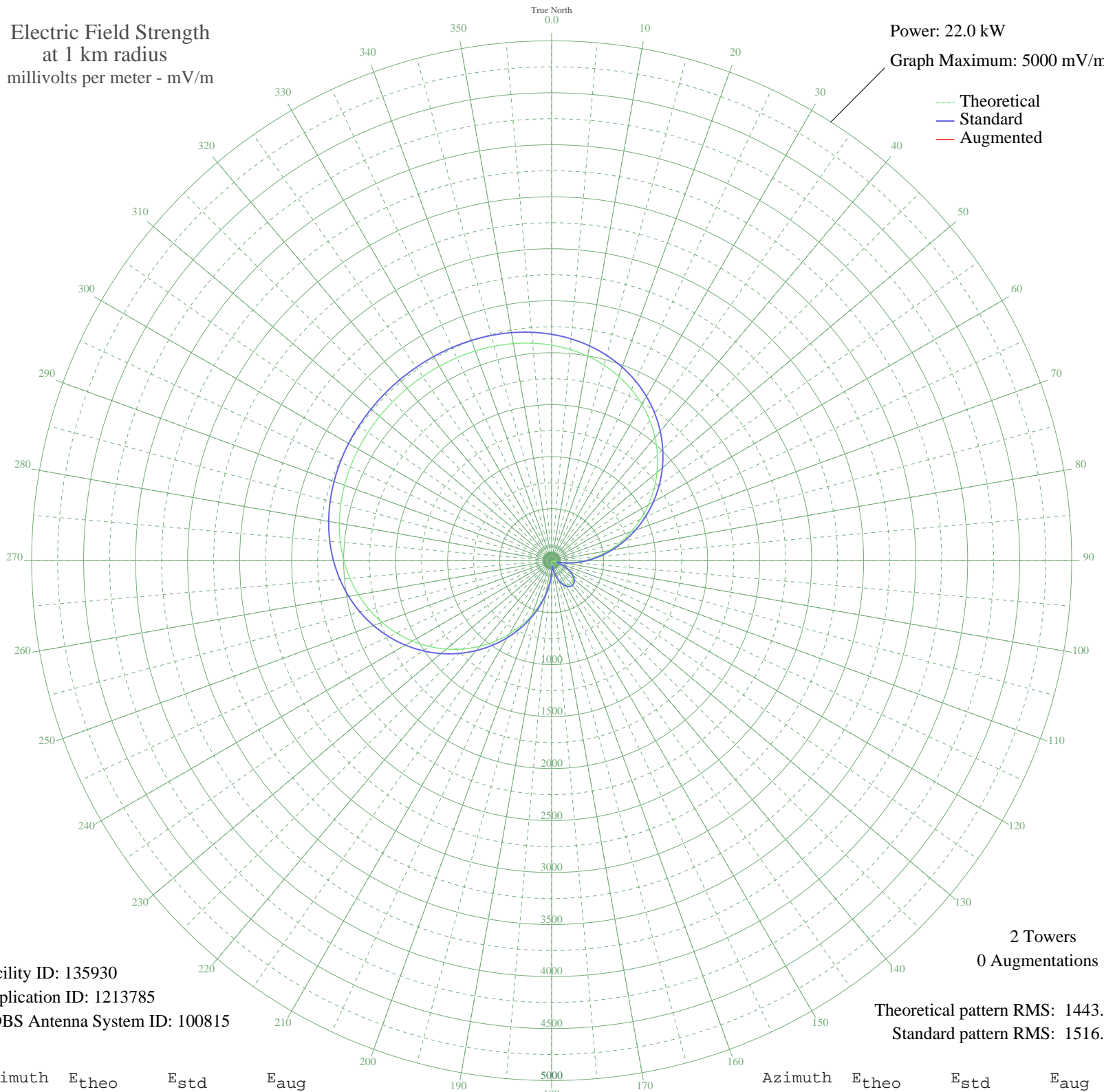
WZFG DILWORTH, MN BP-20071022AYE 1100 kHz

Critical Hours

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

Power: 22.0 kW
Graph Maximum: 5000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 135930
Application ID: 1213785
CDBS Antenna System ID: 100815

2 Towers
0 Augmentations

Theoretical pattern RMS: 1443.18
Standard pattern RMS: 1516.14

Azimuth	E _{theo}	E _{std}	E _{aug}
0	2072.80	2177.00	
5	2038.99	2141.51	
10	1997.12	2097.55	
15	1946.37	2044.28	
20	1886.12	1981.03	
25	1815.96	1907.39	
30	1735.76	1823.21	
35	1645.68	1728.67	
40	1546.20	1624.26	
45	1438.10	1510.80	
50	1322.45	1389.45	
55	1200.62	1261.61	
60	1074.15	1128.93	
65	944.77	993.23	
70	814.30	856.43	
75	684.58	720.50	
80	557.46	587.40	
85	434.67	459.06	
90	317.84	337.35	
95	208.41	224.31	
100	107.67	123.32	
105	16.69	52.27	
110	63.64	83.01	
115	132.61	147.70	
120	189.68	205.16	
125	234.43	251.03	
130	266.58	284.20	
135	285.94	304.24	
140	292.40	310.94	
145	285.94	304.24	
150	266.58	284.20	
155	234.43	251.03	
160	189.68	205.16	
165	132.61	147.70	
170	63.64	83.01	
175	16.69	52.27	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	107.67	123.32	
185	208.41	224.31	
190	317.84	337.35	
195	434.67	459.06	
200	557.46	587.40	
205	684.58	720.50	
210	814.30	856.43	
215	944.77	993.23	
220	1074.15	1128.93	
225	1200.62	1261.61	
230	1322.45	1389.45	
235	1438.10	1510.80	
240	1546.20	1624.26	
245	1645.68	1728.67	
250	1735.76	1823.21	
255	1815.96	1907.39	
260	1886.12	1981.03	
265	1946.37	2044.28	
270	1997.12	2097.55	
275	2038.99	2141.51	
280	2072.80	2177.00	
285	2099.46	2204.99	
290	2119.96	2226.50	
295	2135.28	2242.59	
300	2146.36	2254.22	
305	2154.03	2262.27	
310	2158.99	2267.47	
315	2161.75	2270.37	
320	2162.63	2271.30	
325	2161.75	2270.37	
330	2158.99	2267.47	
335	2154.03	2262.27	
340	2146.36	2254.22	
345	2135.28	2242.59	
350	2119.96	2226.50	
355	2099.46	2204.99	

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