WVJS OWENSBORO, KY BL-- 1420 kHz

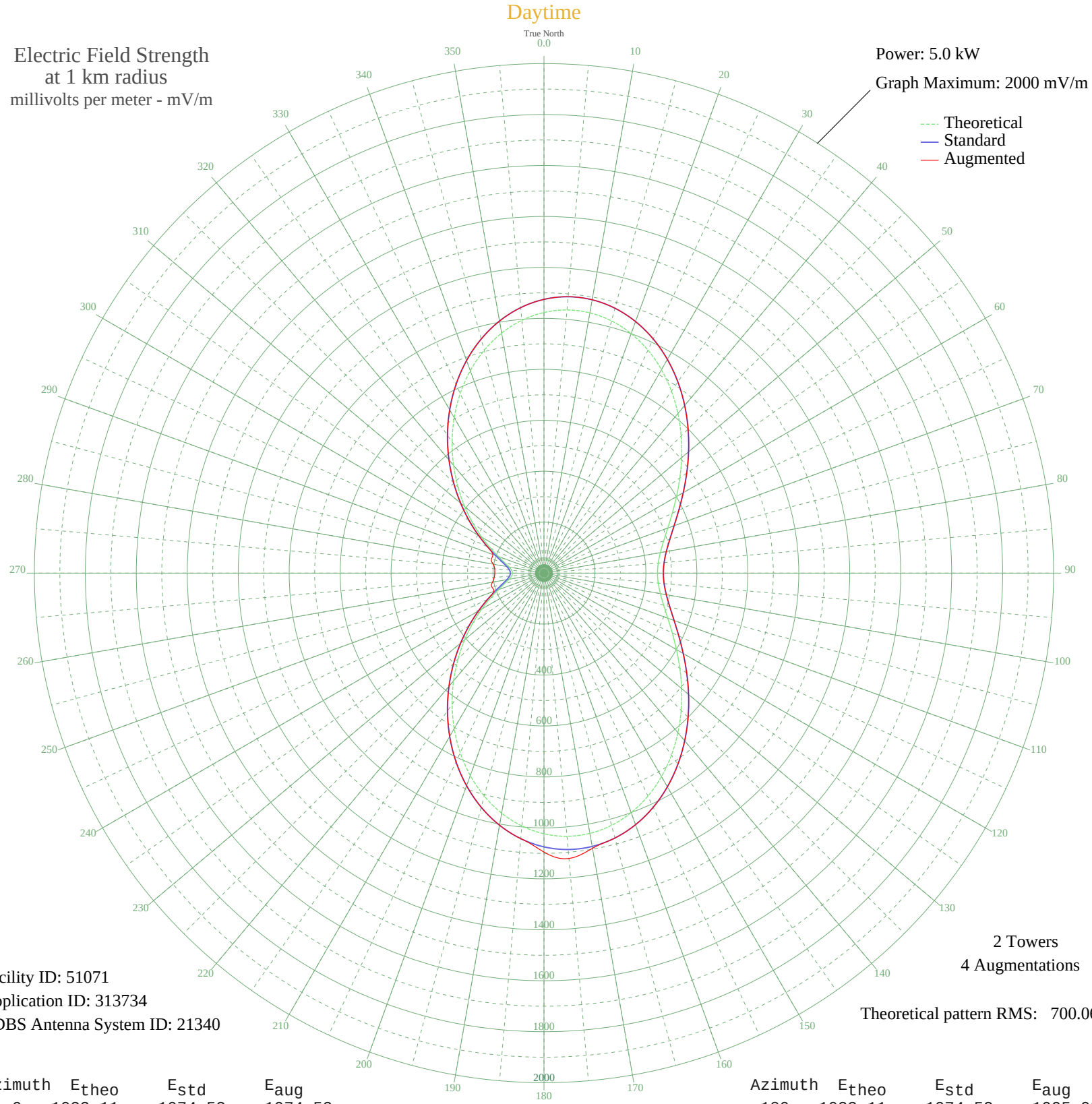
Daytime

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented



2 Towers
4 Augmentations

Facility ID: 51071
Application ID: 313734
CDBS Antenna System ID: 21340

Theoretical pattern RMS: 700.06

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1023.11	1074.52	1074.52
5	1036.90	1089.00	1089.00
10	1037.35	1089.47	1089.47
15	1024.90	1076.40	1076.40
20	1000.53	1050.82	1050.82
25	965.70	1014.25	1014.25
30	922.24	968.63	968.63
35	872.23	916.14	916.14
40	817.90	859.11	859.11
45	761.48	799.90	799.90
50	705.15	740.78	740.78
55	650.90	683.85	683.85
60	600.51	630.97	630.97
65	555.50	583.74	583.74
70	517.11	543.47	543.47
75	486.32	511.17	511.17
80	463.85	487.61	487.61
85	450.18	473.27	473.27
90	445.60	468.47	468.47
95	450.18	473.27	473.27
100	463.85	487.61	487.61
105	486.32	511.17	511.17
110	517.11	543.47	543.47
115	555.50	583.74	583.74
120	600.51	630.97	630.97
125	650.90	683.85	683.85
130	705.15	740.78	740.78
135	761.48	799.90	799.90
140	817.90	859.11	859.11
145	872.23	916.14	916.14
150	922.24	968.63	968.63
155	965.70	1014.25	1014.25
160	1000.53	1050.82	1050.82
165	1024.90	1076.40	1076.40
170	1037.35	1089.47	1096.87
175	1036.90	1089.00	1124.54

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	1023.11	1074.52	1095.02
185	996.11	1046.18	1046.18
190	956.61	1004.71	1004.71
195	905.85	951.43	951.43
200	845.52	888.11	888.11
205	777.66	816.88	816.88
210	704.54	740.14	740.14
215	628.50	660.35	660.35
220	551.92	579.99	579.99
225	477.01	501.41	501.41
230	405.83	426.77	426.77
235	340.21	357.99	357.99
240	281.70	296.71	296.71
245	231.60	244.31	244.31
250	190.88	201.80	209.60
255	160.09	169.72	211.54
260	139.12	147.95	205.19
265	127.24	135.65	196.11
270	123.44	131.72	193.12
275	127.24	135.65	194.08
280	139.12	147.95	202.49
285	160.09	169.72	213.39
290	190.88	201.80	213.59
295	231.60	244.31	244.31
300	281.70	296.71	296.71
305	340.21	357.99	357.99
310	405.83	426.77	426.77
315	477.01	501.41	501.41
320	551.92	579.99	579.99
325	628.50	660.35	660.35
330	704.54	740.14	740.14
335	777.66	816.88	816.88
340	845.52	888.11	888.11
345	905.85	951.43	951.43
350	956.61	1004.71	1004.71
355	996.11	1046.18	1046.18