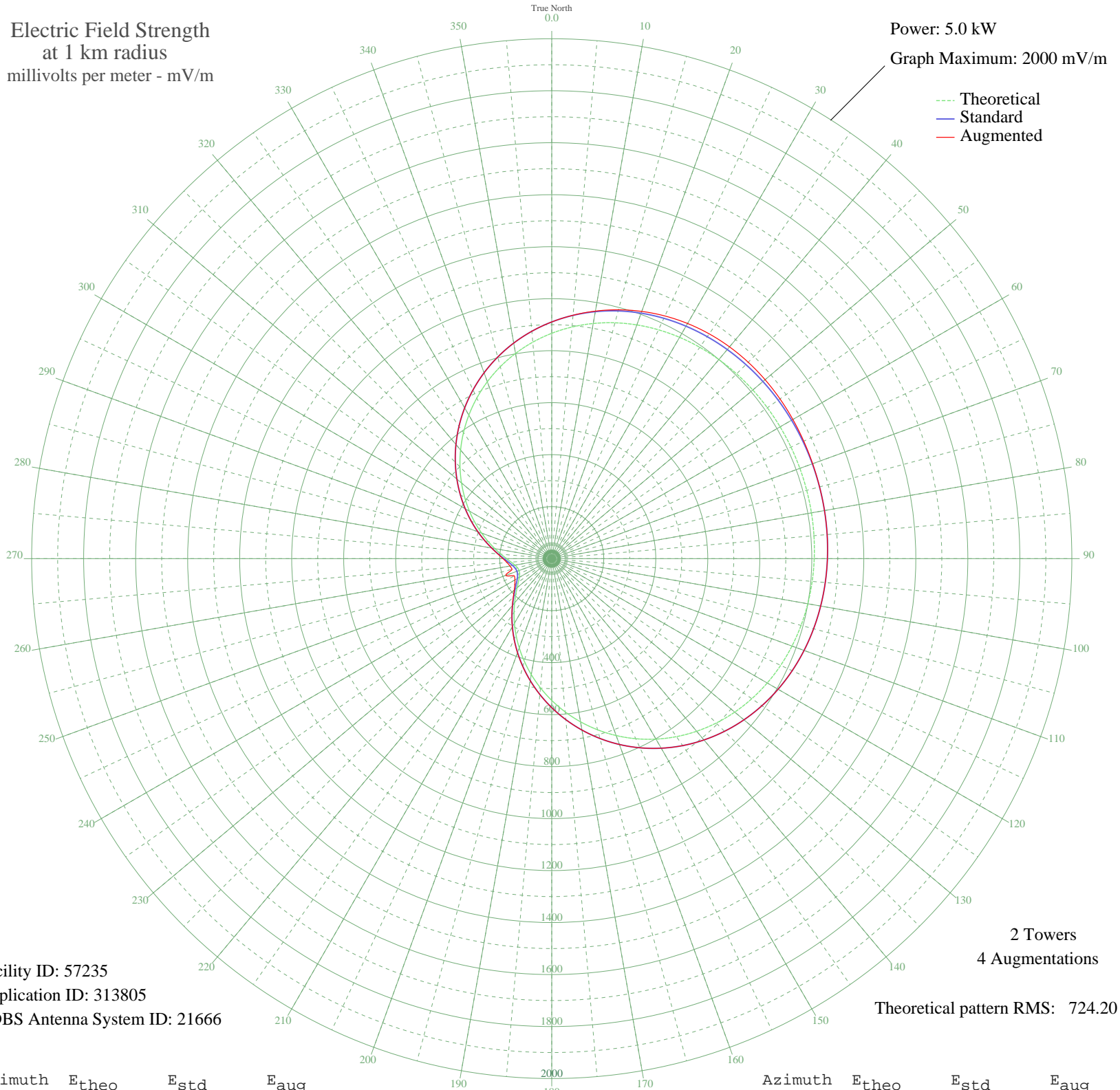


# WHKZ WARREN, OH BL-- 1440 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 57235  
Application ID: 313805  
CDBS Antenna System ID: 21666

2 Towers  
4 Augmentations

Theoretical pattern RMS: 724.20

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	866.89	910.54	910.54
5	894.44	939.46	939.96
10	918.55	964.77	966.87
15	939.29	986.54	991.01
20	956.82	1004.93	1012.13
25	971.34	1020.18	1030.00
30	983.14	1032.56	1044.50
35	992.52	1042.41	1055.62
40	999.80	1050.06	1063.50
45	1005.31	1055.84	1068.45
50	1009.35	1060.07	1070.91
55	1012.18	1063.05	1071.46
60	1014.03	1064.99	1070.71
65	1015.08	1066.09	1069.26
70	1015.41	1066.44	1067.65
75	1015.08	1066.09	1066.23
80	1014.03	1064.99	1064.99
85	1012.18	1063.05	1063.05
90	1009.35	1060.07	1060.07
95	1005.31	1055.84	1055.84
100	999.80	1050.06	1050.06
105	992.52	1042.41	1042.41
110	983.14	1032.56	1032.56
115	971.34	1020.18	1020.18
120	956.82	1004.93	1004.93
125	939.29	986.54	986.54
130	918.55	964.77	964.77
135	894.44	939.46	939.46
140	866.89	910.54	910.54
145	835.93	878.04	878.04
150	801.66	842.07	842.07
155	764.31	802.87	802.87
160	724.20	760.77	760.77
165	681.73	716.21	716.21
170	637.40	669.68	669.69
175	591.74	621.77	621.83

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	545.37	573.12	573.26
185	498.90	524.37	524.63
190	452.98	476.21	476.62
195	408.24	429.29	429.87
200	365.29	384.27	385.02
205	324.70	341.74	342.66
210	286.99	302.26	303.30
215	252.65	266.32	267.44
220	222.09	234.37	235.65
225	195.66	206.78	209.14
230	173.65	183.83	188.35
235	156.29	165.78	173.25
240	143.77	152.77	163.34
245	136.21	144.93	157.86
250	133.68	142.32	148.31
255	136.21	144.93	157.79
260	143.77	152.77	163.08
265	156.29	165.78	172.73
270	173.65	183.83	187.57
275	195.66	206.78	208.15
280	222.09	234.37	234.55
285	252.65	266.32	266.32
290	286.99	302.26	302.26
295	324.70	341.74	341.74
300	365.29	384.27	384.27
305	408.24	429.29	429.29
310	452.98	476.21	476.21
315	498.90	524.37	524.37
320	545.37	573.12	573.12
325	591.74	621.77	621.77
330	637.40	669.68	669.68
335	681.73	716.21	716.21
340	724.20	760.77	760.77
345	764.31	802.87	802.87
350	801.66	842.07	842.07
355	835.93	878.04	878.04