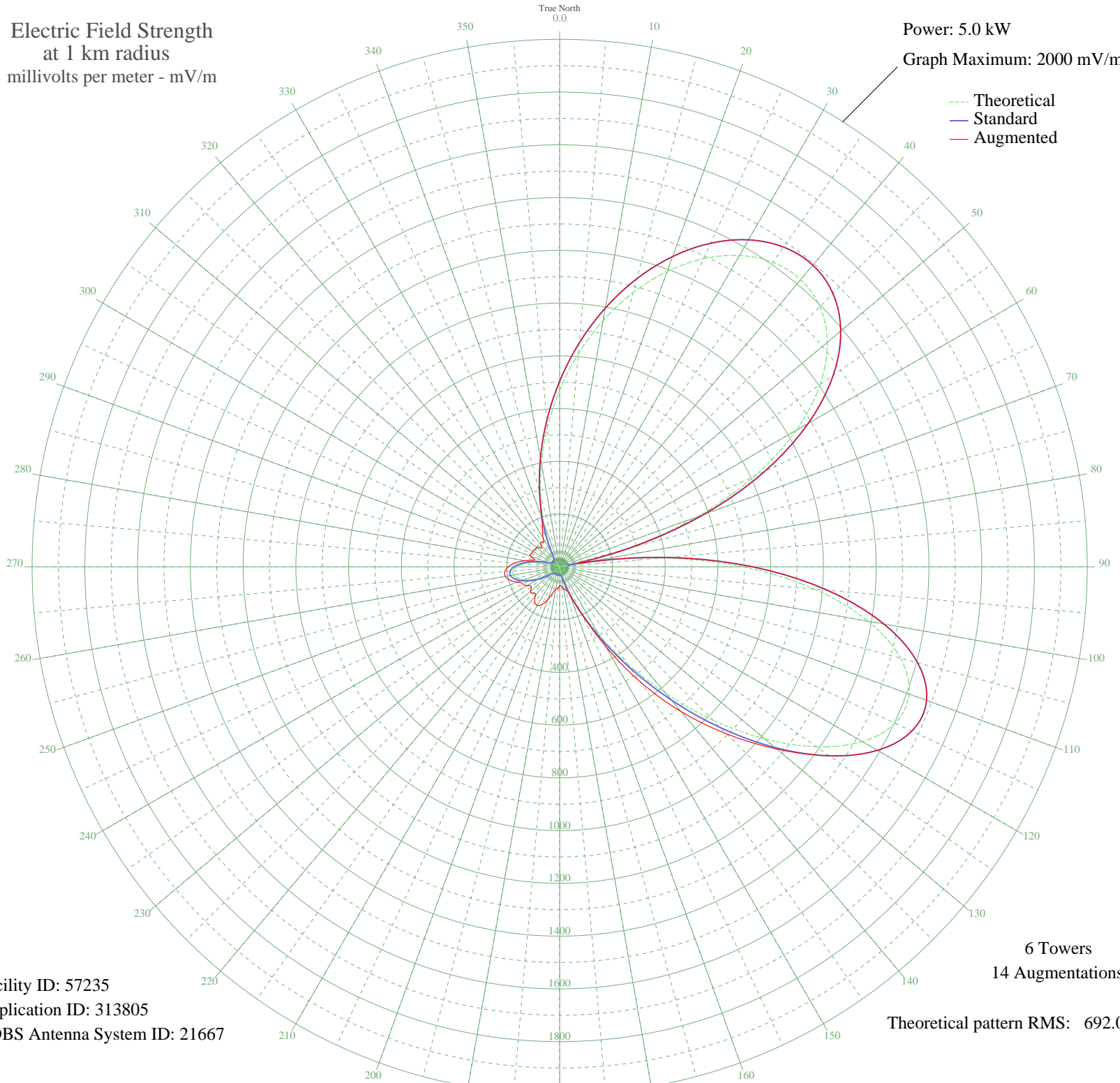


# WHKZ WARREN, OH BL-- 1440 kHz

Nighttime

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: 21667

6 Towers  
14 Augmentations  
Theoretical pattern RMS: 692.02

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	669.55	703.73	703.73
5	810.68	851.79	851.79
10	948.05	995.94	995.94
15	1076.66	1130.92	1130.92
20	1191.82	1251.80	1251.80
25	1288.90	1353.71	1353.71
30	1363.08	1431.58	1431.58
35	1409.21	1480.00	1480.00
40	1421.78	1493.20	1493.20
45	1395.25	1465.35	1465.35
50	1324.47	1391.05	1391.05
55	1205.45	1266.11	1266.11
60	1036.21	1088.47	1088.47
65	817.74	859.20	859.20
70	554.83	583.42	583.42
75	256.61	271.26	275.77
80	63.43	73.61	88.81
85	387.93	408.53	408.53
90	697.02	732.54	732.54
95	970.19	1019.18	1019.18
100	1188.66	1248.49	1248.49
105	1337.87	1405.12	1405.12
110	1409.51	1480.32	1480.32
115	1402.83	1473.30	1473.30
120	1324.83	1391.42	1391.42
125	1189.24	1249.09	1249.09
130	1014.40	1065.58	1074.73
135	820.57	862.17	895.61
140	627.07	659.17	716.16
145	449.87	473.41	531.88
150	300.02	316.58	346.14
155	183.06	194.75	194.75
160	99.46	109.04	114.94
165	45.71	57.33	89.91
170	15.77	35.46	85.37
175	2.64	31.48	73.29

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.

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	0.42	31.36	71.40
185	1.00	31.38	81.69
190	3.00	31.52	86.59
195	3.44	31.57	104.38
200	1.81	31.42	131.94
205	1.08	31.38	157.50
210	3.52	31.57	168.65
215	3.40	31.56	163.85
220	1.38	31.39	143.63
225	12.41	33.96	140.88
230	30.39	44.74	143.98
235	54.86	65.58	131.11
240	84.03	93.64	142.20
245	114.90	124.65	153.62
250	143.53	153.93	169.44
255	165.68	176.77	195.39
260	177.54	189.04	209.37
265	176.55	188.01	208.71
270	162.09	173.06	194.66
275	135.84	146.04	169.97
280	101.67	111.26	134.09
285	64.97	75.08	97.20
290	31.56	45.63	117.14
295	6.36	32.06	118.07
300	7.85	32.42	117.05
305	11.25	33.51	114.18
310	7.11	32.23	114.24
315	1.28	31.39	99.41
320	1.08	31.38	111.09
325	13.86	34.57	113.65
330	45.67	57.30	124.86
335	100.26	109.85	153.00
340	178.65	190.18	199.84
345	279.16	294.79	294.79
350	398.02	419.10	419.10
355	530.08	557.46	557.46