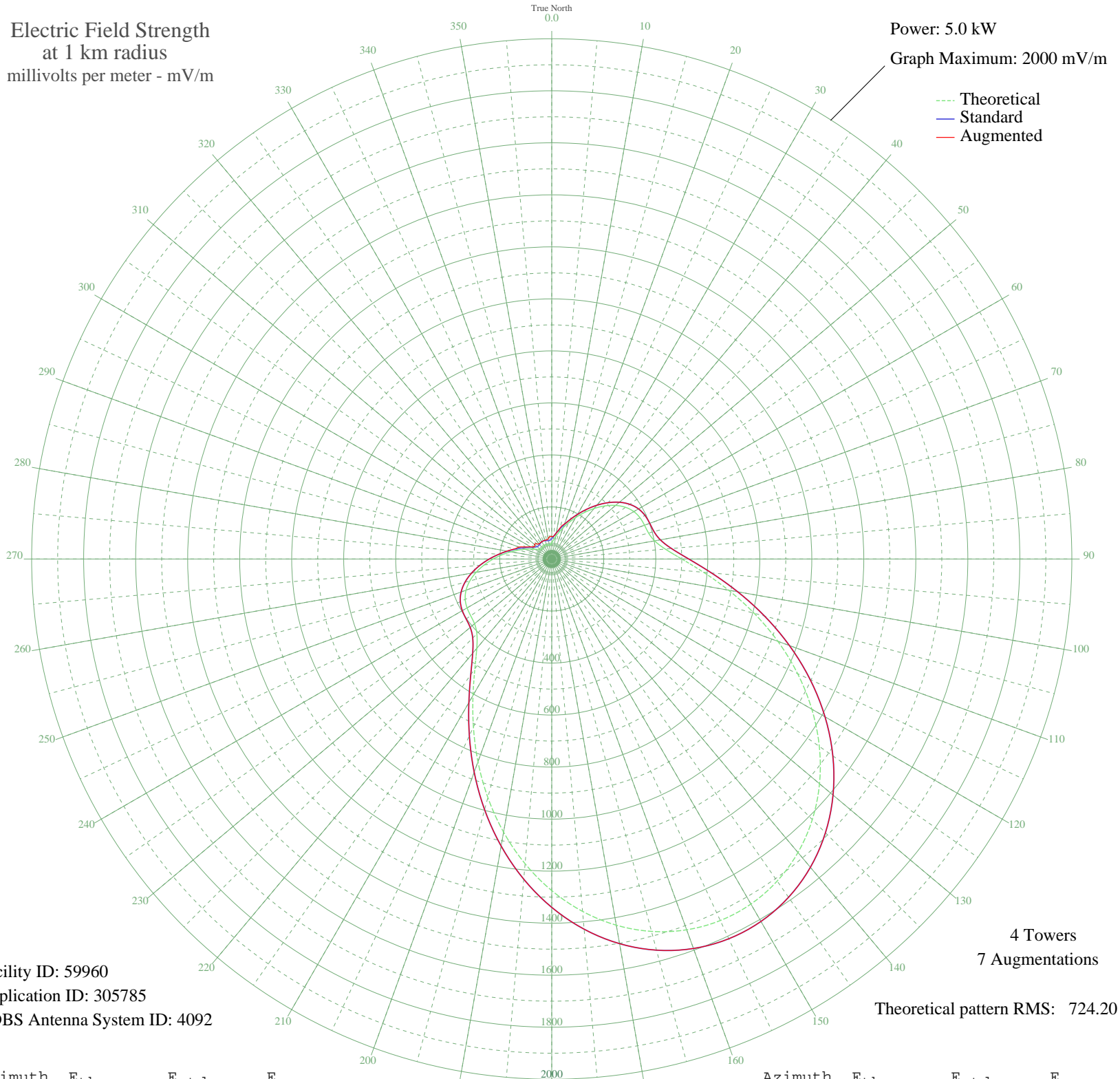


# WBGW PITTSBURGH, PA BL-- 970 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 59960  
Application ID: 305785  
CDBS Antenna System ID: 4092

4 Towers  
7 Augmentations

Theoretical pattern RMS: 724.20

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	61.85	78.33	86.37
5	72.72	88.02	88.29
10	87.51	101.79	101.79
15	105.80	119.42	123.64
20	127.75	141.11	143.02
25	153.77	167.29	167.29
30	183.98	198.08	198.08
35	217.71	232.76	232.76
40	253.38	269.63	269.63
45	288.58	306.16	306.16
50	320.48	339.34	339.34
55	346.39	366.33	366.33
60	364.48	385.20	385.20
65	374.66	395.83	395.83
70	379.60	400.98	400.98
75	385.49	407.13	407.13
80	401.77	424.12	424.12
85	438.16	462.15	462.15
90	499.99	526.82	526.82
95	585.96	616.82	616.82
100	690.26	726.10	726.10
105	805.68	847.10	847.10
110	925.35	972.60	972.60
115	1043.36	1096.40	1096.40
120	1154.87	1213.41	1213.41
125	1256.09	1319.62	1319.62
130	1344.14	1412.02	1412.02
135	1416.93	1488.42	1488.42
140	1473.02	1547.29	1547.29
145	1511.49	1587.67	1587.67
150	1531.78	1608.96	1608.96
155	1533.62	1610.90	1610.90
160	1517.01	1593.46	1593.46
165	1482.15	1556.87	1556.87
170	1429.52	1501.63	1501.63
175	1359.97	1428.64	1428.64

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1274.83	1339.29	1339.29
185	1176.04	1235.62	1235.62
190	1066.32	1120.49	1120.49
195	949.25	997.68	997.68
200	829.48	872.05	872.05
205	712.69	749.60	749.60
210	605.58	637.37	637.37
215	515.40	542.94	542.94
220	448.45	472.90	472.90
225	407.17	429.77	429.77
230	387.58	409.31	409.31
235	380.44	401.85	401.85
240	375.93	397.15	397.15
245	367.11	387.94	387.94
250	350.66	370.79	370.79
255	326.22	345.32	345.32
260	295.32	313.16	313.16
265	260.55	277.06	277.06
270	224.76	240.03	240.03
275	190.48	204.74	205.26
280	159.48	173.09	174.62
285	132.62	145.97	148.75
290	109.89	123.42	133.90
295	90.89	105.01	108.84
300	75.38	90.46	93.36
305	63.67	79.92	81.79
310	56.52	73.76	86.12
315	54.17	71.79	82.88
320	55.39	72.81	75.64
325	57.94	74.97	75.83
330	59.86	76.61	76.61
335	60.05	76.77	76.79
340	58.43	75.38	76.66
345	55.87	73.21	75.64
350	54.20	71.81	79.71
355	55.68	73.05	86.56