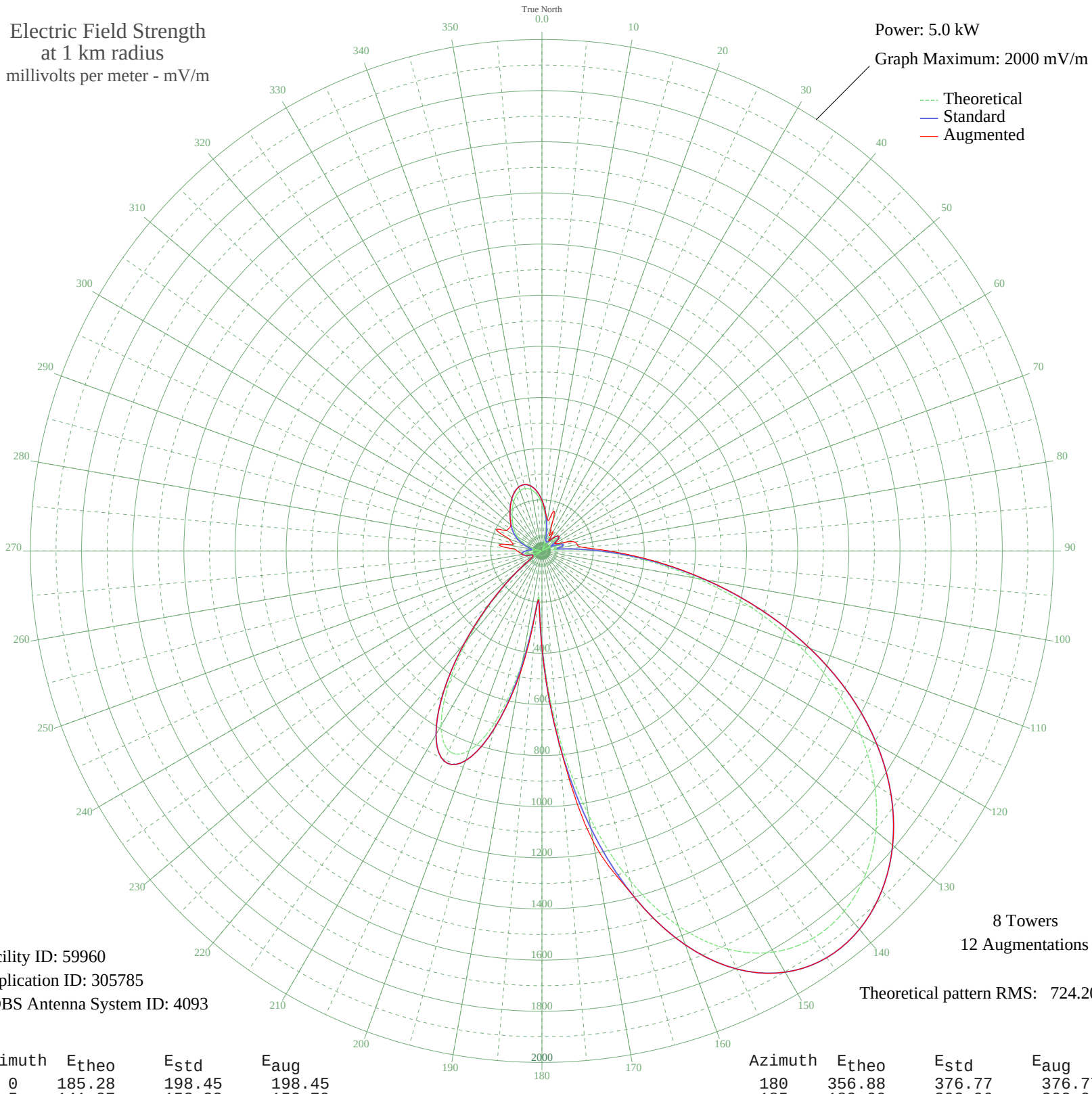
WBGG PITTSBURGH, PA BL-- 970 kHz

Nighttime

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



Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

8 Towers
12 Augmentations

Facility ID: 59960
Application ID: 305785
CDBS Antenna System ID: 4093

Theoretical pattern RMS: 724.20

Azimuth	E_{theo}	E_{std}	E_{aug}
0	185.28	198.45	198.45
5	141.07	153.23	153.70
10	93.95	106.15	125.16
15	51.26	66.58	150.70
20	20.46	44.70	124.14
25	7.12	39.90	69.42
30	5.95	39.69	87.71
35	22.72	45.88	45.88
40	47.33	63.29	63.29
45	67.80	81.27	81.63
50	73.26	86.34	87.88
55	57.21	71.73	75.34
60	21.04	44.99	57.37
65	24.76	47.04	65.91
70	62.70	76.62	102.24
75	73.69	86.74	133.41
80	49.46	65.07	140.09
85	79.31	92.04	160.93
90	215.84	229.99	261.14
95	402.14	424.06	435.64
100	617.07	649.11	652.18
105	842.18	885.15	885.35
110	1061.47	1115.24	1115.24
115	1263.09	1326.82	1326.82
120	1439.63	1512.12	1512.12
125	1587.34	1667.16	1667.16
130	1704.41	1790.06	1790.06
135	1789.26	1879.13	1879.13
140	1839.02	1931.37	1931.37
145	1848.66	1941.49	1941.49
150	1810.99	1901.94	1901.94
155	1717.58	1803.89	1803.89
160	1560.79	1639.30	1639.30
165	1336.59	1403.97	1403.97
170	1048.07	1101.17	1154.33
175	709.51	746.02	746.02

Azimuth	E_{theo}	E_{std}	E_{aug}
180	356.88	376.77	376.77
185	189.66	202.96	202.96
190	439.67	463.32	482.40
195	683.27	718.51	718.51
200	829.98	872.36	872.36
205	862.09	906.04	906.04
210	787.93	828.26	828.26
215	636.26	669.22	669.22
220	448.21	472.25	472.25
225	266.17	282.21	282.21
230	123.02	134.99	134.99
235	35.66	54.21	54.21
240	8.45	40.19	40.19
245	1.61	39.23	39.23
250	25.27	47.33	47.33
255	50.25	65.73	65.73
260	64.11	77.89	77.89
265	62.32	76.28	84.46
270	46.27	62.42	96.97
275	20.61	44.77	131.38
280	9.43	40.43	151.81
285	39.31	56.92	119.78
290	66.51	80.08	136.96
295	90.01	102.31	196.99
300	110.12	122.09	158.90
305	127.98	139.98	155.82
310	145.04	157.25	158.63
315	162.61	175.18	175.18
320	181.45	194.52	194.52
325	201.43	215.10	215.10
330	221.29	235.64	235.64
335	238.68	253.66	253.66
340	250.39	265.82	265.82
345	252.95	268.48	268.48
350	243.48	258.64	258.64
355	220.61	234.93	234.93

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission