

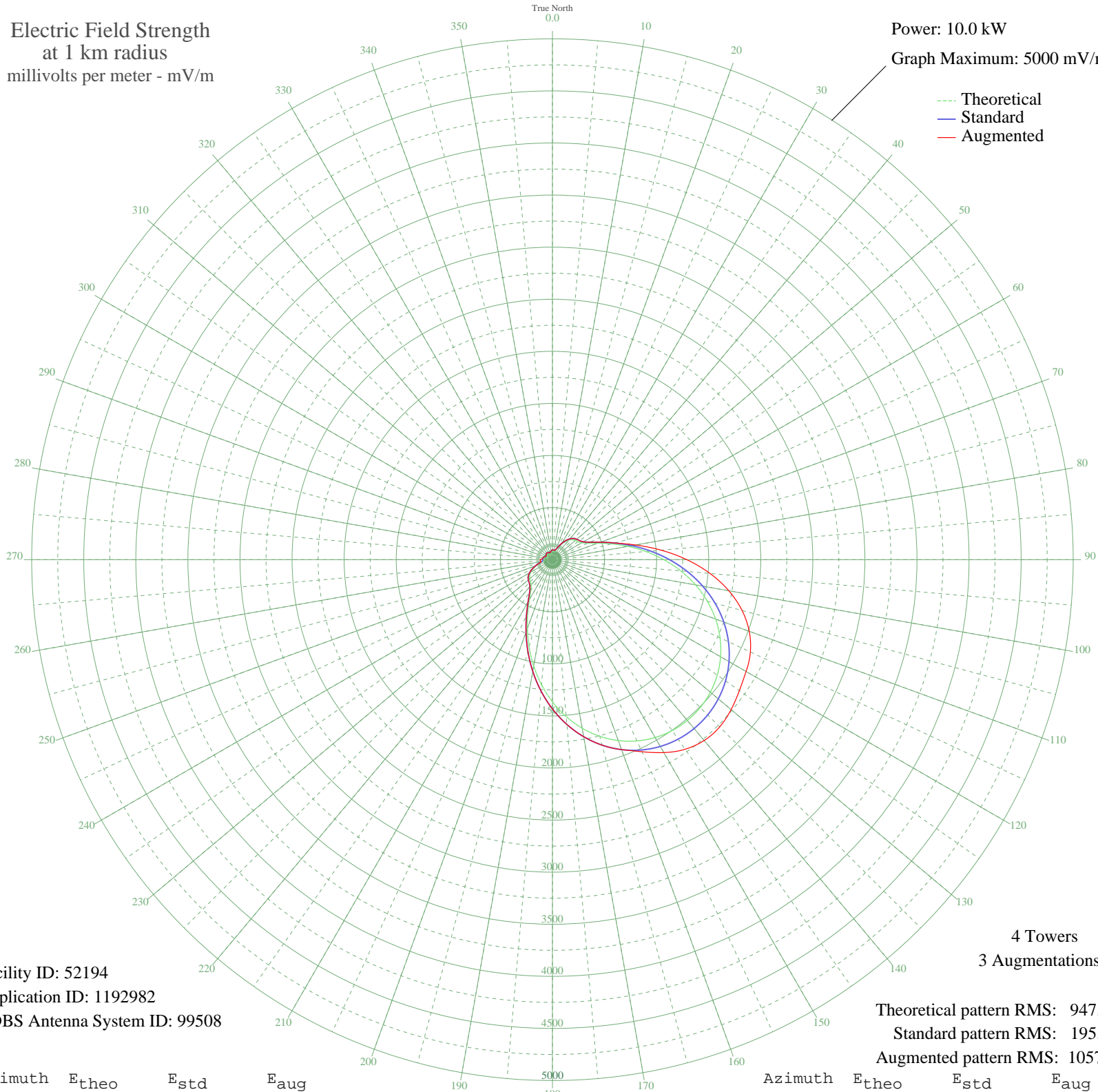
WNTP PHILADELPHIA, PA BL-20070626ASI 990 kHz

Nighttime

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

Power: 10.0 kW
Graph Maximum: 5000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 52194
Application ID: 1192982
CDBS Antenna System ID: 99508

4 Towers
3 Augmentations

Theoretical pattern RMS: 947.50
Standard pattern RMS: 195.70
Augmented pattern RMS: 1057.58

Azimuth	E _{theo}	E _{std}	E _{aug}
0	80.65	93.86	93.86
5	80.68	93.89	93.89
10	78.15	91.50	91.50
15	80.68	93.90	93.90
20	97.51	110.10	110.10
25	129.39	141.77	141.77
30	169.55	182.57	182.57
35	210.35	224.55	224.55
40	245.59	261.03	261.03
45	271.35	287.78	287.78
50	287.61	304.69	304.69
55	300.59	318.21	318.21
60	324.19	342.79	342.79
65	375.55	396.40	396.40
70	464.23	489.12	489.12
75	587.58	618.28	618.68
80	736.34	774.22	811.06
85	900.16	946.03	1047.20
90	1069.59	1123.80	1290.25
95	1236.64	1299.10	1518.87
100	1394.87	1465.17	1719.81
105	1539.44	1616.92	1885.04
110	1666.99	1750.81	2010.76
115	1775.47	1864.68	2096.89
120	1863.83	1957.44	2146.91
125	1931.78	2028.78	2191.16
130	1979.44	2078.81	2239.41
135	2007.08	2107.83	2270.73
140	2014.96	2116.09	2266.39
145	2003.14	2103.69	2221.95
150	1971.52	2070.49	2138.40
155	1919.82	2016.22	2034.57
160	1847.79	1940.60	1940.60
165	1755.36	1843.57	1843.57
170	1642.96	1725.58	1725.58
175	1511.80	1587.91	1587.91

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 _{theo}	E _{std}	E _{aug}
180	1364.18	1432.97	1432.97
185	1203.75	1264.59	1264.59
190	1035.66	1088.20	1088.20
195	866.66	910.90	910.90
200	705.06	741.42	741.42
205	560.54	589.96	589.96
210	443.50	467.43	467.43
215	362.41	382.68	382.68
220	317.76	336.09	336.09
225	297.69	315.19	315.19
230	284.93	301.90	301.90
235	267.03	283.29	283.29
240	239.22	254.42	254.42
245	202.46	216.41	216.41
250	161.23	174.07	174.07
255	122.10	134.45	134.45
260	92.80	105.52	109.65
265	79.26	92.55	117.25
270	78.57	91.90	116.73
275	81.02	94.22	98.82
280	80.05	93.30	93.30
285	74.18	87.79	87.79
290	65.22	79.56	79.56
295	57.03	72.29	72.29
300	53.93	69.62	69.62
305	57.10	72.35	72.35
310	63.30	77.83	77.83
315	68.47	82.51	82.51
320	70.15	84.05	84.05
325	67.66	81.78	81.78
330	62.03	76.69	76.69
335	56.08	71.47	71.47
340	54.01	69.69	69.69
345	58.38	73.47	73.47
350	67.10	81.26	81.26
355	75.70	89.20	89.20