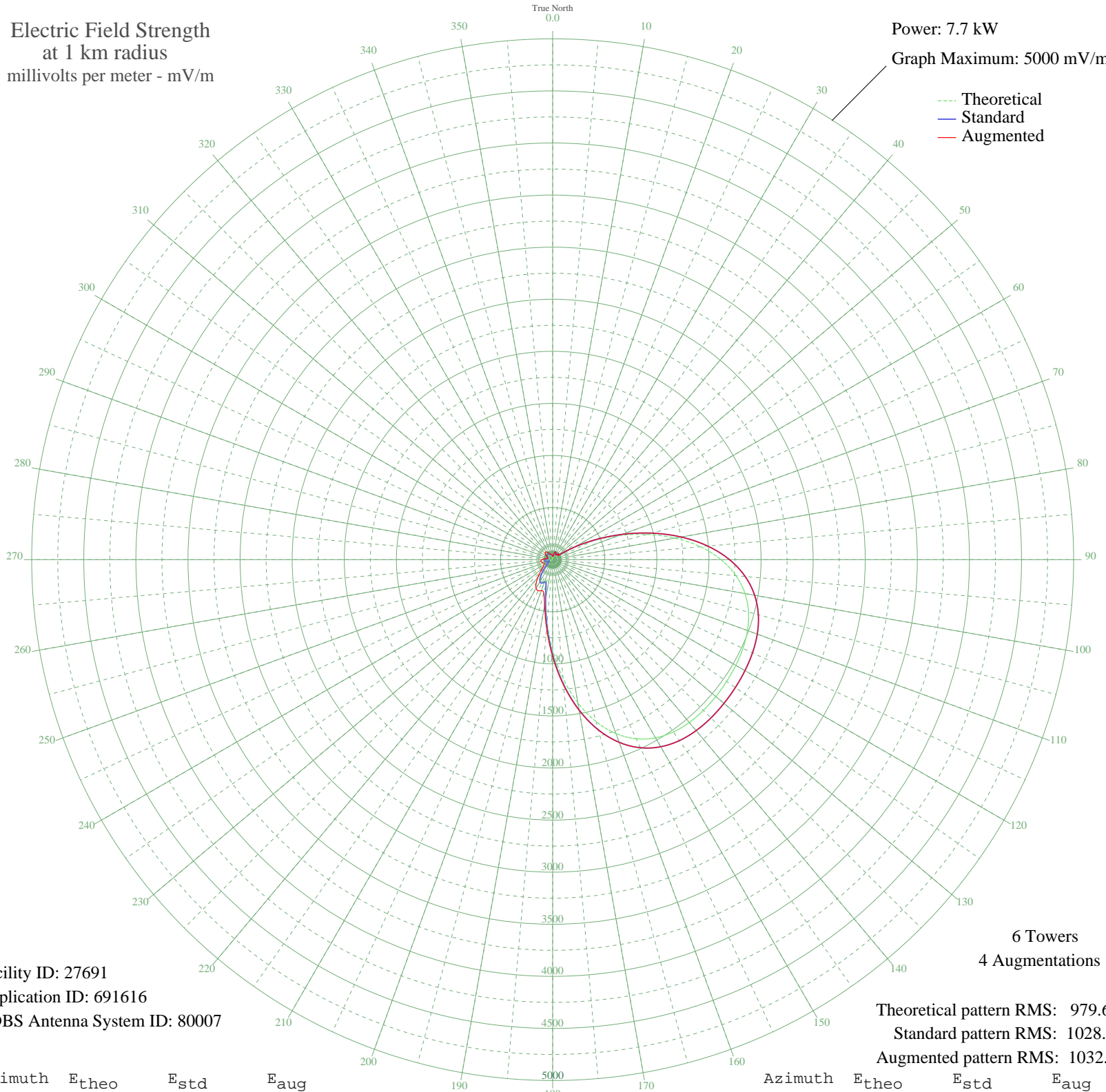


WVIE PIKESVILLE, MD BL-20030924AKI 1370 kHz

Nighttime

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

Power: 7.7 kW
Graph Maximum: 5000 mV/m



Facility ID: 27691
Application ID: 691616
CDBS Antenna System ID: 80007

Theoretical pattern RMS: 979.60
Standard pattern RMS: 1028.99
Augmented pattern RMS: 1032.50

Azimuth	E _{theo}	E _{std}	E _{aug}
0	17.86	34.65	34.65
5	9.48	30.79	30.79
10	34.41	46.41	46.41
15	58.31	67.80	67.80
20	70.98	80.02	80.02
25	66.78	75.93	75.93
30	48.82	58.96	58.96
35	40.97	51.96	51.96
40	60.04	69.45	69.45
45	70.67	79.72	79.72
50	55.16	64.83	64.83
55	88.13	97.01	97.01
60	227.88	241.04	241.04
65	431.22	453.72	453.72
70	675.21	709.57	709.57
75	936.66	983.93	983.93
80	1192.47	1252.43	1252.43
85	1423.37	1494.82	1494.82
90	1616.55	1697.63	1697.63
95	1766.55	1855.10	1855.10
100	1874.46	1968.40	1968.40
105	1946.17	2043.68	2043.68
110	1990.11	2089.82	2089.82
115	2015.27	2116.23	2116.23
120	2029.45	2131.12	2131.12
125	2038.16	2140.27	2140.27
130	2043.92	2146.31	2146.31
135	2045.91	2148.41	2148.41
140	2040.07	2142.27	2142.27
145	2019.42	2120.59	2120.59
150	1974.95	2073.90	2073.90
155	1896.92	1991.98	1992.07
160	1776.77	1865.84	1866.67
165	1609.41	1690.13	1692.57
170	1395.57	1465.64	1470.83
175	1143.74	1201.28	1210.92

Azimuth	E _{theo}	E _{std}	E _{aug}
180	871.03	915.05	932.02
185	603.05	633.88	663.63
190	374.56	394.37	446.89
195	235.19	248.66	330.57
200	215.65	228.30	316.42
205	236.47	250.00	329.08
210	230.91	244.20	317.36
215	193.18	204.92	276.39
220	139.73	149.58	221.13
225	91.34	100.23	168.56
230	61.55	70.89	130.40
235	44.47	55.04	108.12
240	24.68	38.99	94.79
245	2.41	29.25	90.02
250	30.56	43.34	95.08
255	54.05	63.79	105.15
260	67.96	77.07	113.00
265	71.04	80.08	114.67
270	65.04	74.25	104.06
275	53.64	63.41	82.06
280	41.58	52.49	57.27
285	34.16	46.21	46.21
290	34.66	46.62	46.62
295	40.61	51.65	52.50
300	47.90	58.13	66.28
305	54.36	64.09	81.76
310	59.04	68.50	93.79
315	61.31	70.66	99.66
320	60.67	70.05	98.12
325	56.90	66.47	89.23
330	50.48	60.48	74.66
335	43.25	53.96	58.72
340	38.32	49.67	49.67
345	37.30	48.82	48.82
350	36.90	48.48	48.48
355	31.50	44.07	44.07

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission