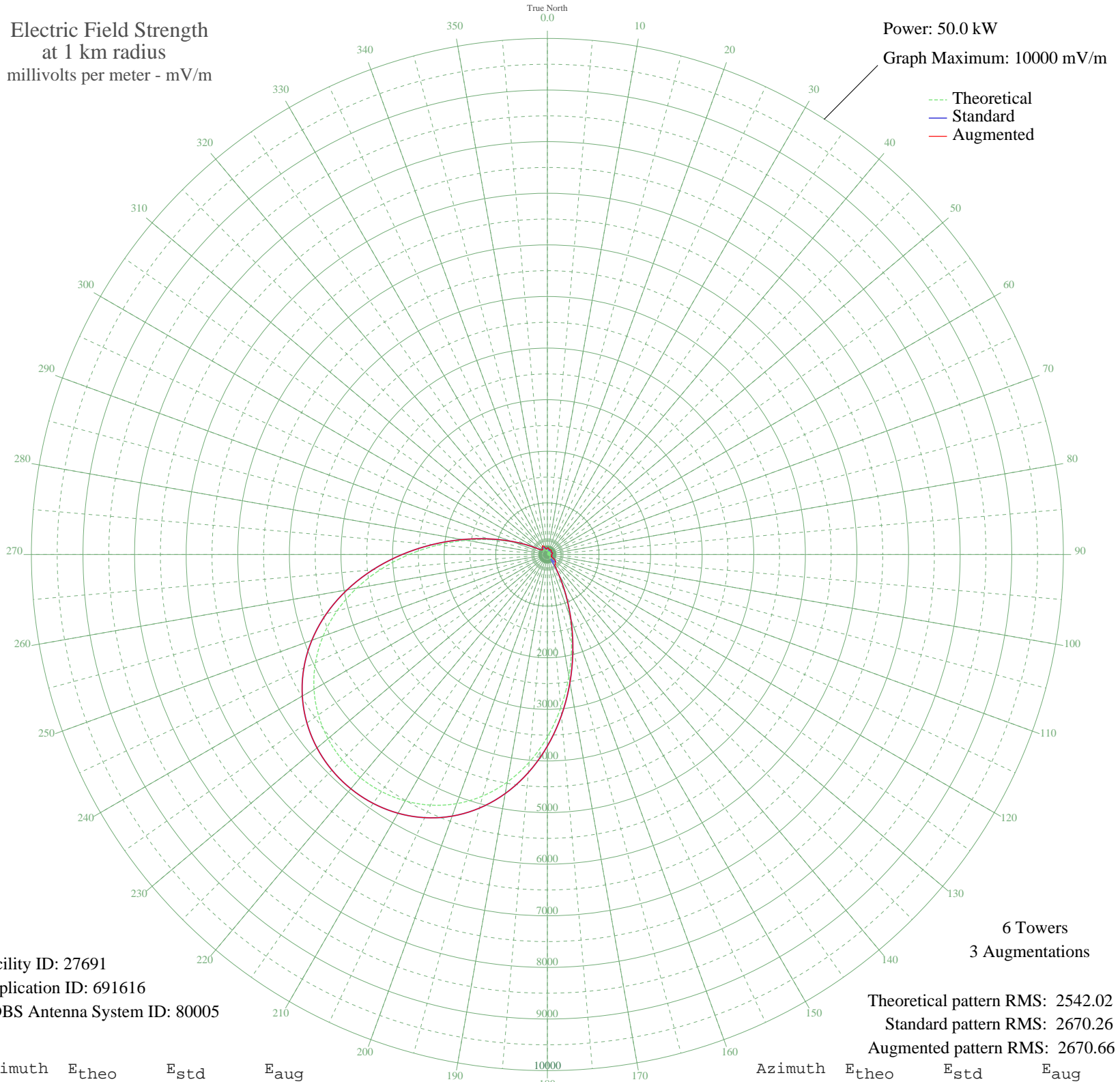


# WVIE PIKESVILLE, MD BL-20030924AKI 1370 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 10000 mV/m



Facility ID: 27691  
Application ID: 691616  
CDBS Antenna System ID: 80005

Theoretical pattern RMS: 2542.02  
Standard pattern RMS: 2670.26  
Augmented pattern RMS: 2670.66

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	91.70	123.96	127.21
5	94.03	125.87	132.16
10	82.36	116.51	126.75
15	58.80	99.54	114.69
20	28.24	83.52	103.47
25	8.10	78.54	100.09
30	34.53	86.08	104.82
35	55.21	97.25	111.47
40	65.47	104.03	113.89
45	64.62	103.44	109.47
50	54.60	96.87	99.66
55	41.50	89.41	89.96
60	38.10	87.73	87.73
65	49.86	94.01	94.01
70	63.89	102.94	102.94
75	69.90	107.16	107.16
80	63.20	102.47	102.47
85	43.24	90.32	90.32
90	13.66	79.39	79.39
95	19.60	80.74	80.74
100	44.86	91.19	91.19
105	53.06	95.92	95.92
110	37.19	87.30	87.30
115	16.35	79.94	79.94
120	72.88	109.33	109.33
125	138.41	164.98	164.98
130	183.75	208.14	208.14
135	181.12	205.58	221.50
140	110.38	139.74	243.25
145	117.45	145.96	246.87
150	390.48	417.38	425.45
155	782.71	825.55	825.55
160	1266.83	1332.46	1332.46
165	1815.68	1908.07	1908.07
170	2397.53	2518.61	2518.61
175	2980.10	3130.08	3130.08

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	3534.67	3712.22	3712.22
185	4038.81	4241.47	4241.47
190	4477.71	4702.25	4702.25
195	4843.94	5086.74	5086.74
200	5136.14	5393.51	5393.51
205	5357.13	5625.53	5625.53
210	5511.89	5788.01	5788.01
215	5605.64	5886.44	5886.44
220	5642.42	5925.06	5925.06
225	5624.16	5905.88	5905.88
230	5550.24	5828.28	5828.28
235	5417.79	5689.21	5689.21
240	5222.38	5484.06	5484.06
245	4959.40	5207.96	5207.96
250	4625.74	4857.66	4857.66
255	4221.79	4433.57	4433.57
260	3753.35	3941.79	3941.79
265	3233.03	3395.58	3395.58
270	2680.72	2815.84	2815.84
275	2122.67	2230.17	2230.17
280	1589.07	1670.35	1670.35
285	1110.34	1168.46	1168.46
290	712.81	752.51	752.51
295	415.03	442.72	442.72
300	225.59	249.40	249.40
305	136.97	163.64	163.64
310	107.67	137.40	137.40
315	97.77	128.98	128.98
320	105.68	135.68	143.14
325	124.53	152.29	174.40
330	135.78	162.54	192.43
335	129.37	156.68	183.30
340	106.87	136.70	150.68
345	79.90	114.61	115.68
350	68.35	106.05	106.06
355	78.62	113.63	114.67

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.

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14 Nov 2009

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Prepared by Audio Division, Media Bureau  
Federal Communications Commission