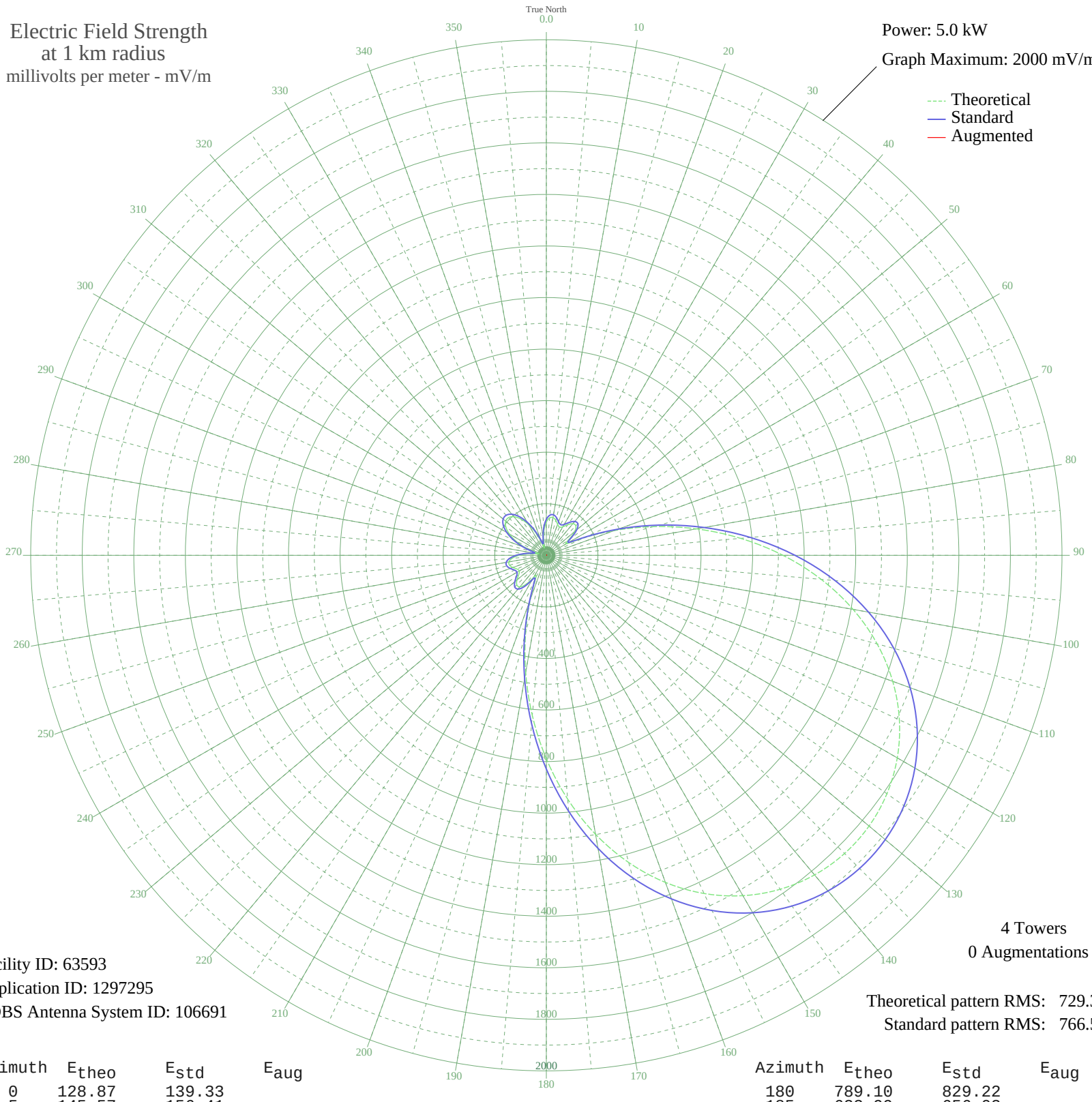
WCOJ COATESVILLE, PA BML-20090219AEW 1420 kHz

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

4 Towers
0 Augmentations

Facility ID: 63593
Application ID: 1297295
CDBS Antenna System ID: 106691

Theoretical pattern RMS: 729.34
Standard pattern RMS: 766.53

Azimuth	E_{theo}	E_{std}	E_{aug}
0	128.87	139.33	
5	145.57	156.41	
10	148.83	159.76	
15	140.82	151.54	
20	127.91	138.34	
25	120.73	131.04	
30	127.76	138.19	
35	145.08	155.91	
40	160.22	171.48	
45	161.76	173.06	
50	143.01	153.78	
55	106.49	116.64	
60	89.55	99.71	
65	158.36	169.56	
70	281.45	297.38	
75	429.76	452.47	
80	591.01	621.44	
85	756.25	794.75	
90	918.00	964.48	
95	1070.15	1124.15	
100	1208.05	1268.89	
105	1328.53	1395.35	
110	1429.74	1501.60	
115	1510.85	1586.74	
120	1571.73	1650.65	
125	1612.65	1693.60	
130	1633.95	1715.97	
135	1635.88	1717.99	
140	1618.47	1699.71	
145	1581.50	1660.91	
150	1524.64	1601.21	
155	1447.58	1520.33	
160	1350.36	1418.26	
165	1233.62	1295.72	
170	1098.99	1154.42	
175	949.37	997.40	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	789.10	829.22	
185	623.99	656.03	
190	461.29	485.49	
195	309.58	326.75	
200	180.05	191.95	
205	96.28	106.40	
210	99.04	109.16	
215	136.75	147.37	
220	159.74	170.98	
225	161.91	173.22	
230	148.70	159.62	
235	130.75	141.24	
240	120.91	131.23	
245	125.63	136.03	
250	138.33	149.00	
255	147.99	158.90	
260	147.28	158.16	
265	133.28	143.82	
270	106.40	116.55	
275	69.81	80.46	
280	33.42	48.30	
285	43.35	56.33	
290	86.58	96.78	
295	129.52	139.99	
300	165.58	177.00	
305	191.66	203.96	
310	205.83	218.66	
315	207.14	220.02	
320	195.49	207.93	
325	171.67	183.29	
330	137.40	148.04	
335	95.50	105.63	
340	51.30	63.27	
345	29.56	45.44	
350	61.89	72.97	
355	99.70	109.82	

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

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Federal Communications Commission