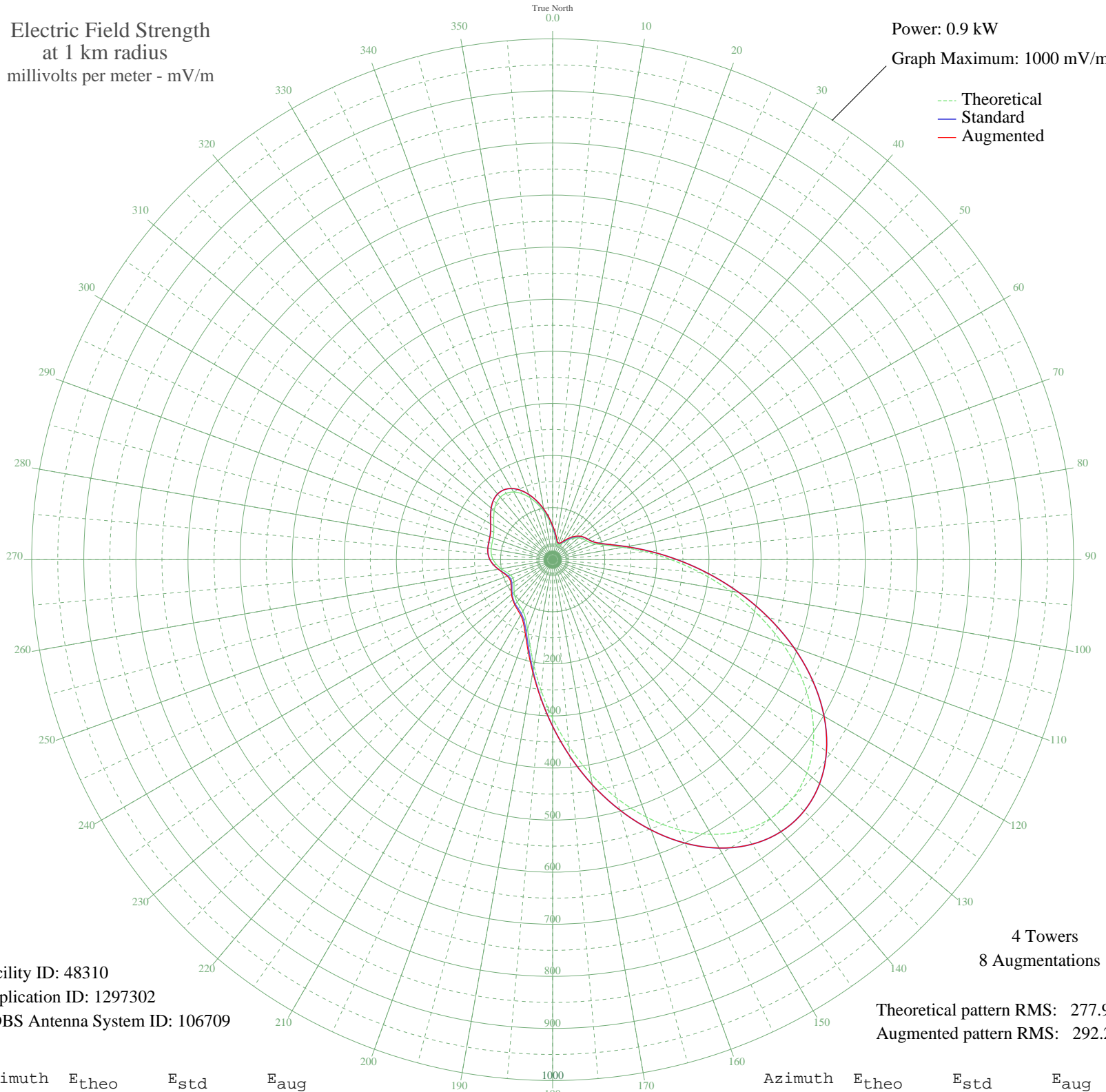


WISP DOYLESTOWN, PA BML-20090219AEX 1570 kHz

Nighttime

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

Power: 0.9 kW
Graph Maximum: 1000 mV/m



Facility ID: 48310
Application ID: 1297302
CDBS Antenna System ID: 106709

4 Towers
8 Augmentations

Theoretical pattern RMS: 277.90
Augmented pattern RMS: 292.24

Azimuth	E _{theo}	E _{std}	E _{aug}
0	60.42	64.30	65.46
5	47.56	51.03	53.30
10	37.94	41.20	42.61
15	31.99	35.19	35.19
20	29.93	33.14	34.10
25	31.64	34.85	35.29
30	36.46	39.70	41.02
35	43.34	46.70	48.61
40	51.11	54.68	56.60
45	58.66	62.49	63.93
50	65.11	69.16	69.93
55	70.00	74.25	74.46
60	73.84	78.24	78.24
65	78.63	83.23	83.23
70	88.18	93.19	93.19
75	106.73	112.56	112.56
80	136.55	143.76	143.76
85	177.35	186.51	186.51
90	227.41	239.01	239.01
95	284.39	298.80	298.80
100	345.60	363.04	363.04
105	408.11	428.64	428.64
110	468.83	492.38	492.38
115	524.71	551.04	551.04
120	572.90	601.64	601.64
125	610.98	641.61	641.61
130	637.05	668.99	668.99
135	649.94	682.52	682.52
140	649.22	681.76	681.76
145	635.18	667.02	667.02
150	608.82	639.34	639.34
155	571.71	600.39	600.39
160	525.89	552.28	552.28
165	473.71	497.50	497.50
170	417.69	438.70	438.70
175	360.43	378.60	378.60

Azimuth	E _{theo}	E _{std}	E _{aug}
180	304.50	319.90	319.90
185	252.40	265.22	265.96
190	206.49	217.07	219.74
195	168.92	177.67	182.00
200	141.23	148.66	153.08
205	123.60	130.20	133.57
210	114.10	120.27	123.00
215	109.30	115.24	117.60
220	105.87	111.66	113.12
225	101.77	107.38	108.55
230	96.45	101.81	103.13
235	90.58	95.69	97.25
240	85.79	90.69	92.55
245	83.99	88.81	90.80
250	86.31	91.24	92.81
255	92.30	97.48	98.19
260	100.20	105.74	105.82
265	108.02	113.91	113.91
270	114.23	120.40	120.40
275	118.12	124.47	124.47
280	119.88	126.31	126.31
285	120.54	127.00	127.00
290	121.67	128.19	128.19
295	124.79	131.45	131.45
300	130.52	137.45	137.45
305	138.26	145.55	145.55
310	146.38	154.05	154.05
315	152.96	160.95	160.95
320	156.35	164.50	164.50
325	155.45	163.56	163.56
330	149.87	157.71	157.71
335	139.85	147.22	147.22
340	126.18	132.91	133.02
345	110.04	116.01	116.61
350	92.79	97.99	99.00
355	75.83	80.31	81.17

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