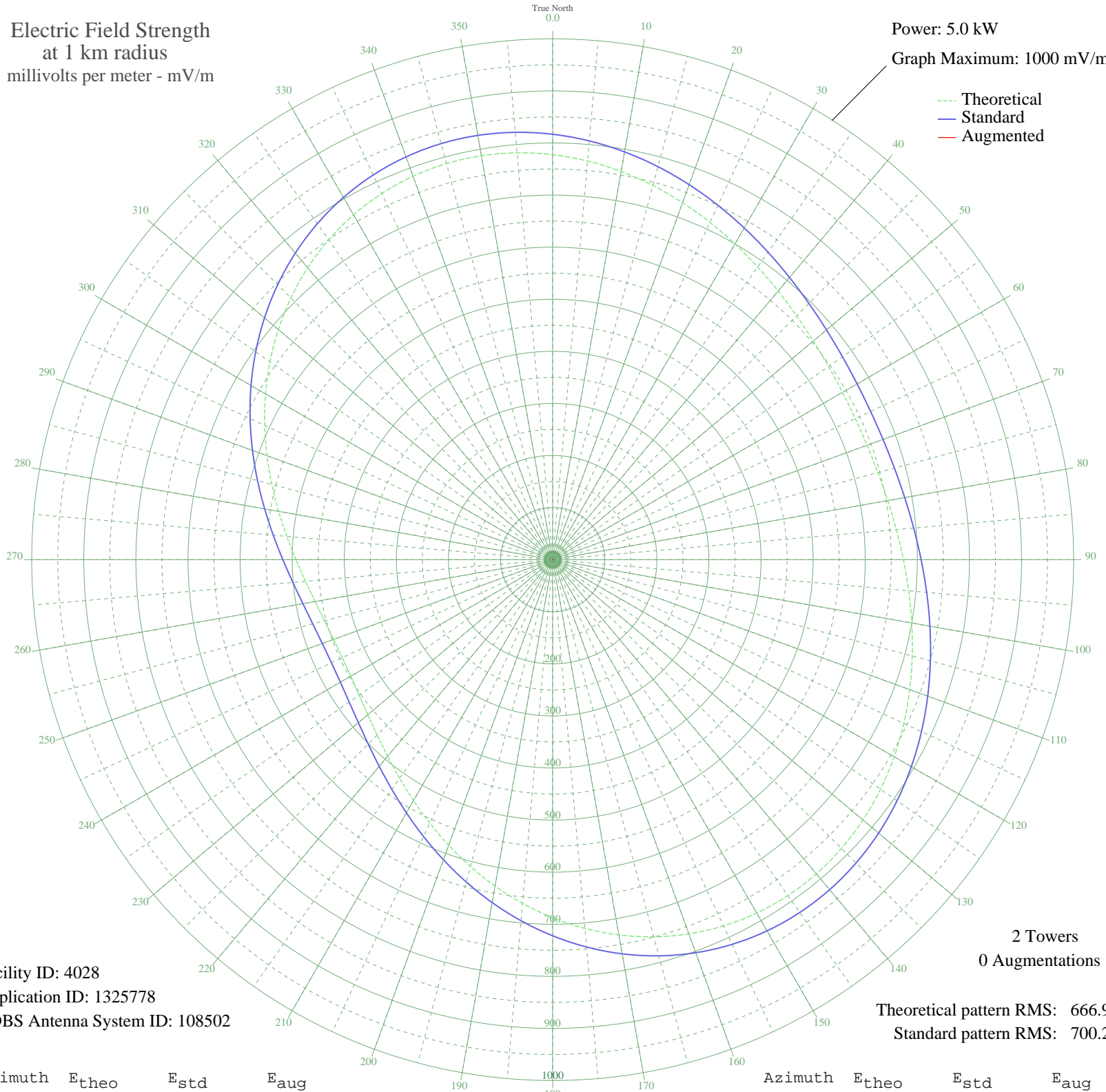


# WPGR MONROEVILLE, PA BML-20090709APD 1510 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 4028  
Application ID: 1325778  
CDBS Antenna System ID: 108502

2 Towers  
0 Augmentations

Theoretical pattern RMS: 666.90  
Standard pattern RMS: 700.20

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	777.54	816.76	
5	768.29	807.04	
10	756.79	794.97	
15	743.61	781.14	
20	729.34	766.17	
25	714.60	750.69	
30	699.96	735.34	
35	686.01	720.69	
40	673.26	707.31	
45	662.16	695.67	
50	653.12	686.18	
55	646.43	679.16	
60	642.33	674.86	
65	640.95	673.41	
70	642.33	674.86	
75	646.43	679.16	
80	653.12	686.18	
85	662.16	695.67	
90	673.26	707.31	
95	686.01	720.69	
100	699.96	735.34	
105	714.60	750.69	
110	729.34	766.17	
115	743.61	781.14	
120	756.79	794.97	
125	768.29	807.04	
130	777.54	816.76	
135	784.05	823.59	
140	787.40	827.11	
145	787.26	826.96	
150	783.43	822.93	
155	775.82	814.95	
160	764.49	803.05	
165	749.61	787.44	
170	731.50	768.44	
175	710.58	746.47	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	687.34	722.09	
185	662.37	695.89	
190	636.31	668.54	
195	609.80	640.72	
200	583.52	613.14	
205	558.09	586.46	
210	534.12	561.32	
215	512.18	538.30	
220	492.75	517.92	
225	476.26	500.63	
230	463.07	486.79	
235	453.45	476.70	
240	447.60	470.57	
245	445.64	468.51	
250	447.60	470.57	
255	453.45	476.70	
260	463.07	486.79	
265	476.26	500.63	
270	492.75	517.92	
275	512.18	538.30	
280	534.12	561.32	
285	558.09	586.46	
290	583.52	613.14	
295	609.80	640.72	
300	636.31	668.54	
305	662.37	695.89	
310	687.34	722.09	
315	710.58	746.47	
320	731.50	768.44	
325	749.61	787.44	
330	764.49	803.05	
335	775.82	814.95	
340	783.43	822.93	
345	787.26	826.96	
350	787.40	827.11	
355	784.05	823.59	

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