

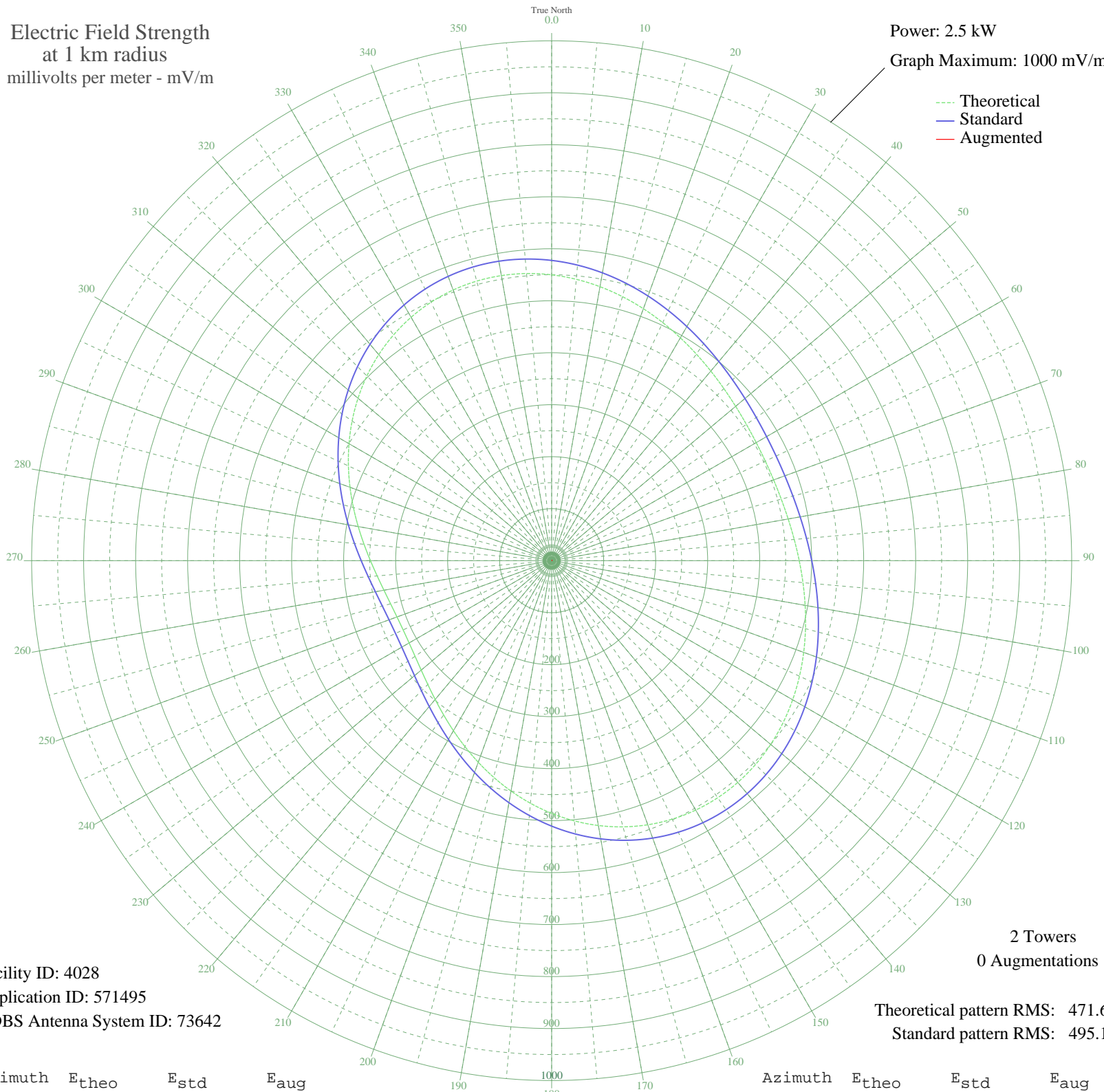
WPGR MONROEVILLE, PA BL-20010618ABF 1510 kHz

Critical Hours

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

Power: 2.5 kW
Graph Maximum: 1000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 4028
Application ID: 571495
CDBS Antenna System ID: 73642

2 Towers
0 Augmentations

Theoretical pattern RMS: 471.60
Standard pattern RMS: 495.10

Azimuth	E _{theo}	E _{std}	E _{aug}
0	549.84	577.57	
5	543.29	570.70	
10	535.16	562.17	
15	525.85	552.39	
20	515.76	541.80	
25	505.33	530.85	
30	494.98	519.99	
35	485.11	509.64	
40	476.10	500.18	
45	468.25	491.94	
50	461.86	485.23	
55	457.13	480.27	
60	454.23	477.23	
65	453.25	476.20	
70	454.23	477.23	
75	457.13	480.27	
80	461.86	485.23	
85	468.25	491.94	
90	476.10	500.18	
95	485.11	509.64	
100	494.98	519.99	
105	505.33	530.85	
110	515.76	541.80	
115	525.85	552.39	
120	535.16	562.17	
125	543.29	570.70	
130	549.84	577.57	
135	554.45	582.41	
140	556.81	584.89	
145	556.71	584.79	
150	554.00	581.94	
155	548.62	576.29	
160	540.61	567.88	
165	530.09	556.84	
170	517.28	543.40	
175	502.49	527.87	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	486.05	510.63	
185	468.40	492.10	
190	449.97	472.76	
195	431.22	453.09	
200	412.63	433.58	
205	394.65	414.72	
210	377.70	396.94	
215	362.19	380.66	
220	348.45	366.25	
225	336.79	354.02	
230	327.46	344.24	
235	320.66	337.10	
240	316.52	332.76	
245	315.14	331.31	
250	316.52	332.76	
255	320.66	337.10	
260	327.46	344.24	
265	336.79	354.02	
270	348.45	366.25	
275	362.19	380.66	
280	377.70	396.94	
285	394.65	414.72	
290	412.63	433.58	
295	431.22	453.09	
300	449.97	472.76	
305	468.40	492.10	
310	486.05	510.63	
315	502.49	527.87	
320	517.28	543.40	
325	530.09	556.84	
330	540.61	567.88	
335	548.62	576.29	
340	554.00	581.94	
345	556.71	584.79	
350	556.81	584.89	
355	554.45	582.41	

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.

27 Jun 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission