

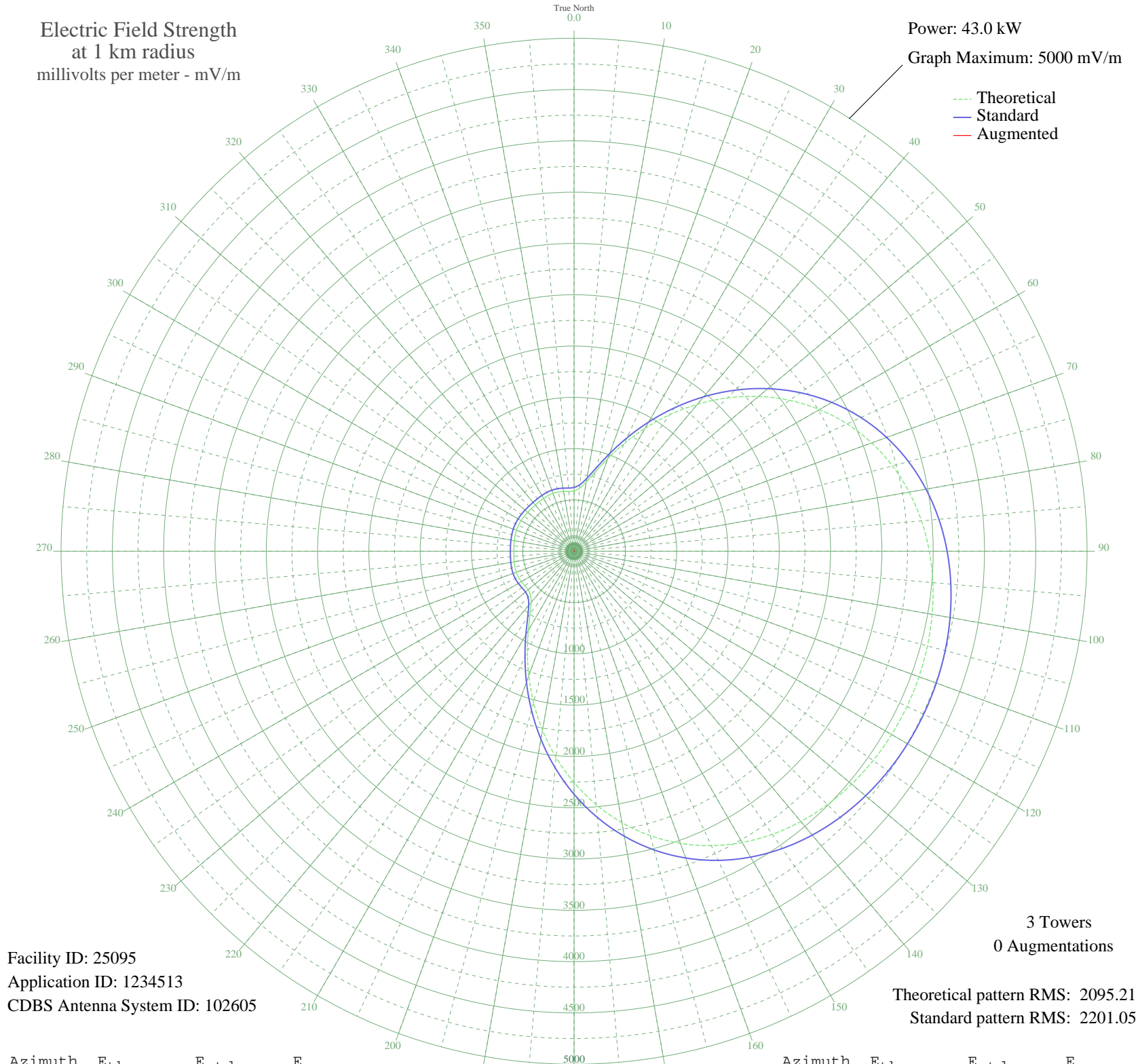
WPEN PHILADELPHIA, PA BP-20071120AIJ 950 kHz

Daytime

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

Power: 43.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 25095  
Application ID: 1234513  
CDBS Antenna System ID: 102605

3 Towers  
0 Augmentations  
Theoretical pattern RMS: 2095.21  
Standard pattern RMS: 2201.05

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	588.45	621.70	
5	616.74	651.23	
10	684.68	722.20	
15	800.16	842.98	
20	961.07	1011.47	
25	1158.94	1218.83	
30	1383.18	1453.97	
35	1623.27	1705.82	
40	1869.46	1964.14	
45	2113.08	2219.80	
50	2346.73	2465.03	
55	2564.49	2693.60	
60	2762.03	2900.95	
65	2936.59	3084.19	
70	3086.96	3242.04	
75	3213.21	3374.57	
80	3316.51	3483.02	
85	3398.78	3569.38	
90	3462.38	3636.15	
95	3509.84	3685.97	
100	3543.56	3721.37	
105	3565.59	3744.51	
110	3577.50	3757.01	
115	3580.19	3759.83	
120	3573.88	3753.21	
125	3558.07	3736.61	
130	3531.58	3708.79	
135	3492.63	3667.91	
140	3439.02	3611.62	
145	3368.25	3537.33	
150	3277.84	3442.42	
155	3165.55	3324.54	
160	3029.74	3181.97	
165	2869.63	3013.90	
170	2685.65	2820.78	
175	2479.61	2604.50	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	2254.88	2368.63	
185	2016.45	2118.39	
190	1770.84	1860.65	
195	1525.98	1603.75	
200	1291.00	1357.30	
205	1076.02	1131.92	
210	891.71	938.83	
215	748.20	788.62	
220	652.01	688.06	
225	601.43	635.24	
230	584.92	618.01	
235	586.60	619.77	
240	593.56	627.03	
245	598.59	632.28	
250	599.39	633.11	
255	596.66	630.27	
260	592.49	625.91	
265	589.01	622.29	
270	587.64	620.85	
275	588.67	621.92	
280	591.39	624.77	
285	594.57	628.08	
290	596.89	630.51	
295	597.49	631.13	
300	596.13	629.72	
305	593.33	626.79	
310	590.17	623.49	
315	588.00	621.22	
320	587.89	621.12	
325	590.21	623.53	
330	594.18	627.68	
335	598.05	631.72	
340	599.58	633.31	
345	597.05	630.67	
350	590.73	624.08	
355	584.70	617.78	

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission