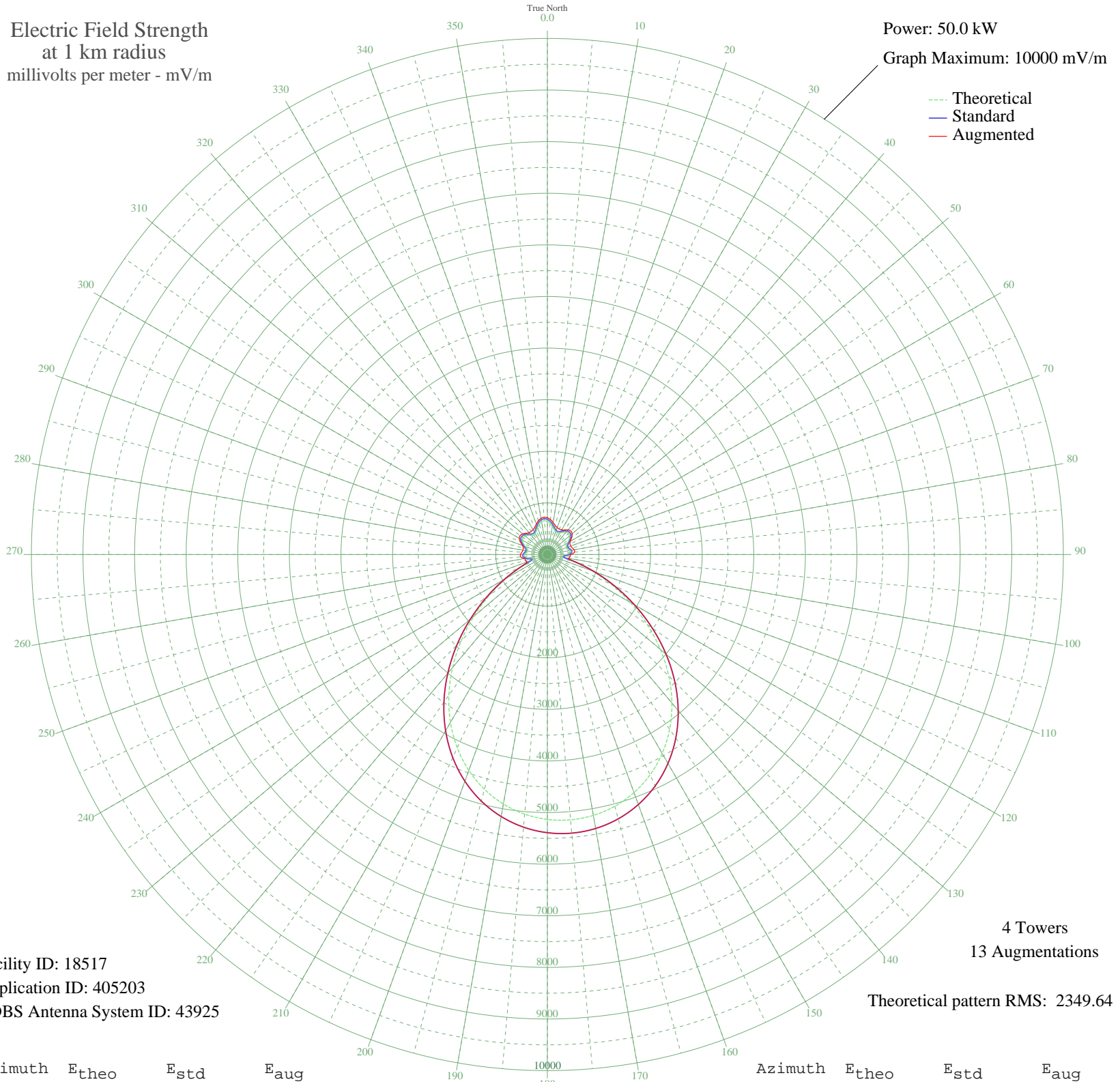


WWNL PITTSBURGH, PA BL-- 1080 kHz

Daytime

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

Power: 50.0 kW
Graph Maximum: 10000 mV/m



Facility ID: 18517
Application ID: 405203
CDBS Antenna System ID: 43925

4 Towers
13 Augmentations

Theoretical pattern RMS: 2349.64

Azimuth	E _{theo}	E _{std}	E _{aug}
0	642.94	682.37	713.33
5	607.56	645.65	681.57
10	556.80	593.05	633.31
15	503.64	538.09	585.41
20	465.62	498.92	554.19
25	458.12	491.21	546.30
30	482.33	516.13	552.28
35	522.82	557.91	580.37
40	558.75	595.07	624.30
45	573.59	610.44	644.05
50	558.76	595.08	627.22
55	515.24	550.08	575.21
60	455.51	488.52	513.14
65	404.38	436.10	483.23
70	389.27	420.67	482.80
75	412.16	444.06	499.01
80	441.79	474.43	526.95
85	441.41	474.04	526.82
90	389.54	420.95	459.12
95	300.94	331.28	439.04
100	304.18	334.53	420.30
105	537.39	572.96	572.96
110	912.20	962.96	962.96
115	1362.36	1433.93	1433.93
120	1853.74	1948.97	1948.97
125	2359.64	2479.62	2479.62
130	2857.10	3001.60	3001.60
135	3327.16	3494.93	3494.93
140	3755.33	3944.35	3944.35
145	4131.72	4339.45	4339.45
150	4450.61	4674.20	4674.20
155	4709.60	4946.08	4946.08
160	4908.67	5155.06	5155.06
165	5049.07	5302.45	5302.45
170	5132.44	5389.98	5389.98
175	5160.07	5418.99	5418.99

Azimuth	E _{theo}	E _{std}	E _{aug}
180	5132.44	5389.98	5389.98
185	5049.07	5302.45	5302.45
190	4908.67	5155.06	5155.06
195	4709.60	4946.08	4946.08
200	4450.61	4674.20	4674.20
205	4131.72	4339.45	4339.45
210	3755.33	3944.35	3944.35
215	3327.16	3494.93	3494.93
220	2857.10	3001.60	3001.60
225	2359.64	2479.62	2479.62
230	1853.74	1948.97	1948.97
235	1362.36	1433.93	1433.93
240	912.20	962.96	962.96
245	537.39	572.96	572.96
250	304.18	334.53	420.30
255	300.94	331.28	438.48
260	389.54	420.95	453.91
265	441.41	474.04	518.82
270	441.79	474.43	520.60
275	412.16	444.06	497.17
280	389.27	420.67	482.80
285	404.38	436.10	483.23
290	455.51	488.52	513.14
295	515.24	550.08	575.21
300	558.76	595.08	627.22
305	573.59	610.44	644.05
310	558.75	595.07	624.30
315	522.82	557.91	580.37
320	482.33	516.13	552.28
325	458.12	491.21	546.30
330	465.62	498.92	553.38
335	503.64	538.09	581.09
340	556.80	593.05	626.85
345	607.56	645.65	676.63
350	642.94	682.37	711.69
355	655.52	695.45	724.20

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