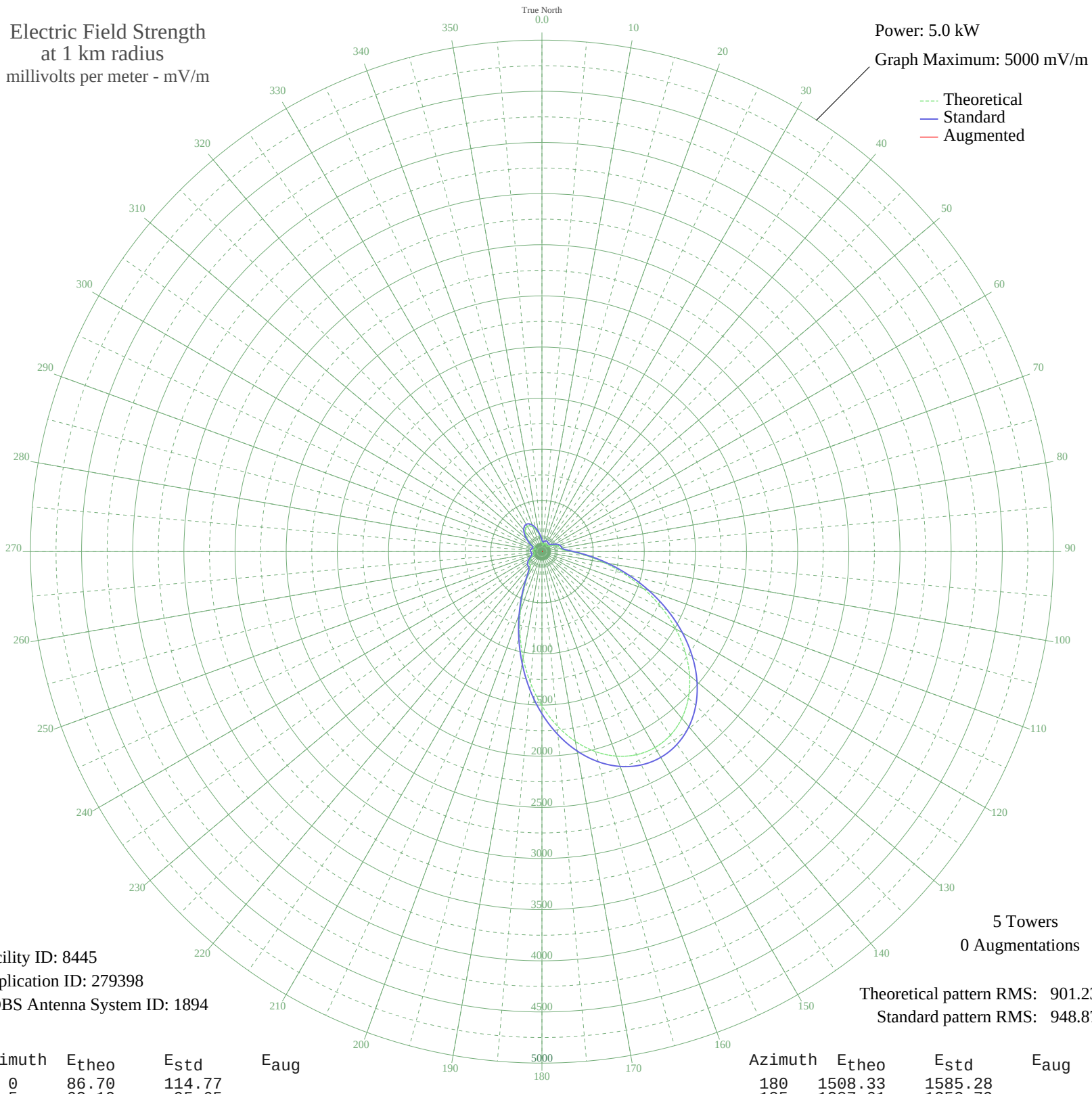
KQV PITTSBURGH, PA BL-19981229AC 1410 kHz

Nighttime

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



Power: 5.0 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented

5 Towers
0 Augmentations

Facility ID: 8445
Application ID: 279398
CDBS Antenna System ID: 1894

Theoretical pattern RMS: 901.23
Standard pattern RMS: 948.87

Azimuth	E_{theo}	E_{std}	E_{aug}
0	86.70	114.77	
5	62.19	95.65	
10	63.97	96.94	
15	76.54	106.51	
20	84.87	113.25	
25	85.37	113.67	
30	80.03	109.30	
35	73.14	103.84	
40	68.98	100.65	
45	70.34	101.69	
50	79.12	108.57	
55	96.47	123.07	
60	120.46	144.51	
65	145.34	167.85	
70	163.92	185.77	
75	172.16	193.81	
80	177.05	198.61	
85	206.04	227.35	
90	290.06	312.48	
95	431.33	458.26	
100	615.94	650.50	
105	829.19	873.45	
110	1057.36	1112.43	
115	1287.60	1353.79	
120	1508.32	1585.28	
125	1709.63	1796.47	
130	1883.58	1978.99	
135	2024.19	2126.55	
140	2127.26	2234.72	
145	2190.09	2300.65	
150	2211.19	2322.80	
155	2190.09	2300.65	
160	2127.26	2234.72	
165	2024.19	2126.55	
170	1883.58	1978.99	
175	1709.63	1796.47	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	1508.33	1585.28	
185	1287.61	1353.79	
190	1057.36	1112.43	
195	829.19	873.45	
200	615.94	650.50	
205	431.33	458.26	
210	290.06	312.48	
215	206.04	227.35	
220	177.06	198.61	
225	172.16	193.81	
230	163.92	185.77	
235	145.34	167.85	
240	120.46	144.51	
245	96.47	123.07	
250	79.12	108.57	
255	70.34	101.69	
260	68.98	100.65	
265	73.14	103.84	
270	80.03	109.30	
275	85.37	113.67	
280	84.87	113.25	
285	76.54	106.51	
290	63.97	96.94	
295	62.18	95.65	
300	86.70	114.77	
305	128.79	152.22	
310	175.75	197.33	
315	219.61	240.95	
320	254.85	276.57	
325	277.57	299.71	
330	285.41	307.72	
335	277.57	299.71	
340	254.85	276.57	
345	219.61	240.95	
350	175.75	197.33	
355	128.79	152.22	

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.

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Prepared by Audio Division, Media Bureau
Federal Communications Commission