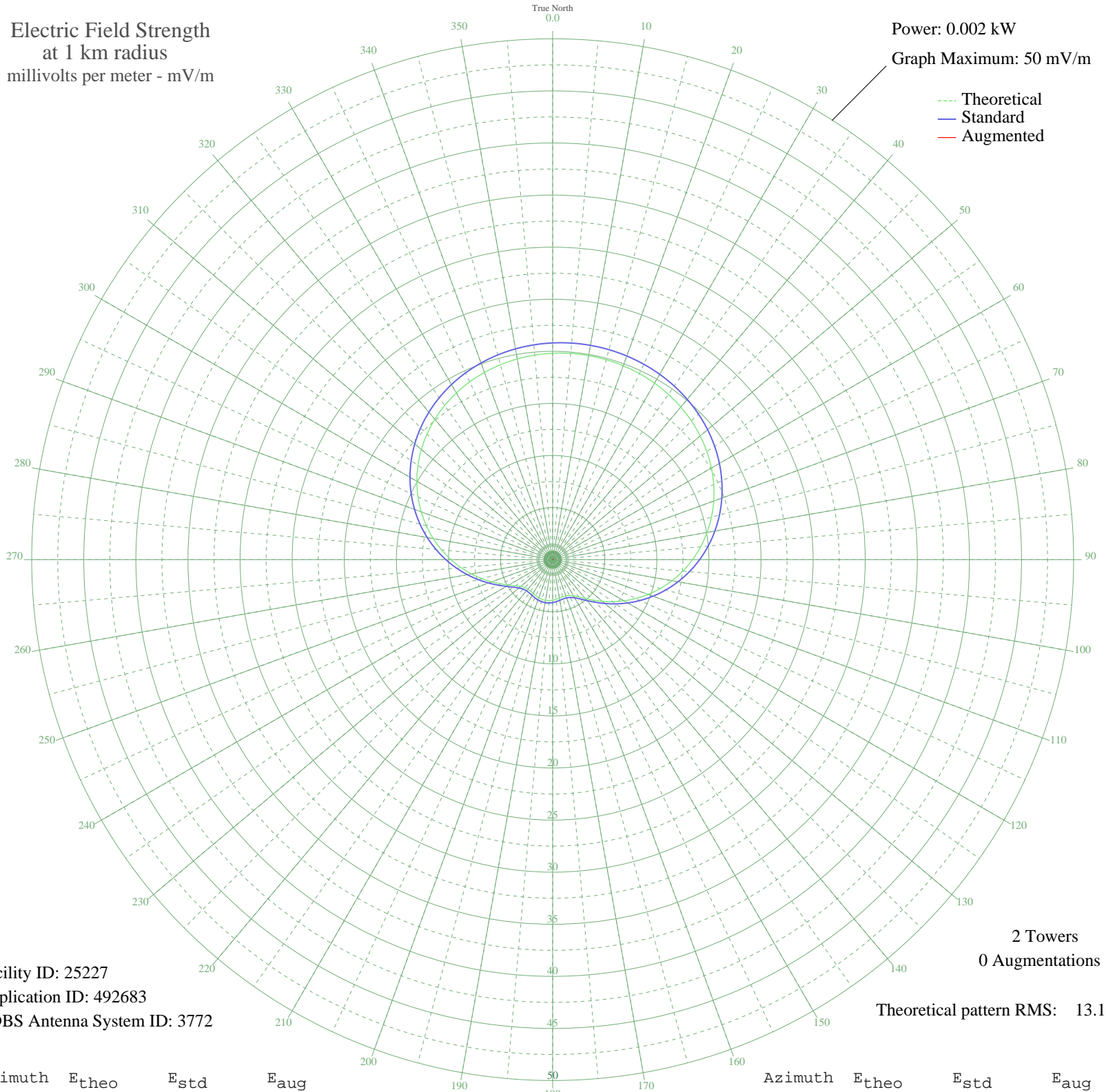


# WGRP GREENVILLE, PA BL-- 940 kHz

Nighttime

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

Power: 0.002 kW  
Graph Maximum: 50 mV/m



Facility ID: 25227  
Application ID: 492683  
CDBS Antenna System ID: 3772

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 13.10

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	19.81	20.81	
5	19.87	20.87	
10	19.89	20.89	
15	19.87	20.87	
20	19.81	20.81	
25	19.71	20.70	
30	19.56	20.55	
35	19.37	20.34	
40	19.13	20.09	
45	18.83	19.78	
50	18.48	19.41	
55	18.07	18.98	
60	17.59	18.48	
65	17.05	17.91	
70	16.45	17.28	
75	15.78	16.58	
80	15.05	15.81	
85	14.26	14.98	
90	13.42	14.10	
95	12.54	13.18	
100	11.63	12.22	
105	10.69	11.24	
110	9.75	10.25	
115	8.81	9.27	
120	7.90	8.31	
125	7.03	7.40	
130	6.22	6.55	
135	5.49	5.78	
140	4.86	5.13	
145	4.37	4.61	
150	4.01	4.23	
155	3.79	4.00	
160	3.69	3.90	
165	3.69	3.90	
170	3.74	3.96	
175	3.82	4.04	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	3.90	4.12	
185	3.95	4.17	
190	3.96	4.19	
195	3.95	4.17	
200	3.90	4.12	
205	3.82	4.04	
210	3.74	3.96	
215	3.69	3.90	
220	3.69	3.90	
225	3.79	4.00	
230	4.01	4.23	
235	4.37	4.61	
240	4.86	5.13	
245	5.49	5.78	
250	6.22	6.55	
255	7.03	7.40	
260	7.90	8.31	
265	8.81	9.27	
270	9.75	10.25	
275	10.69	11.24	
280	11.63	12.22	
285	12.54	13.18	
290	13.42	14.10	
295	14.26	14.98	
300	15.05	15.81	
305	15.78	16.58	
310	16.45	17.28	
315	17.05	17.91	
320	17.59	18.48	
325	18.07	18.98	
330	18.48	19.41	
335	18.83	19.78	
340	19.13	20.09	
345	19.37	20.34	
350	19.56	20.55	
355	19.71	20.70	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission