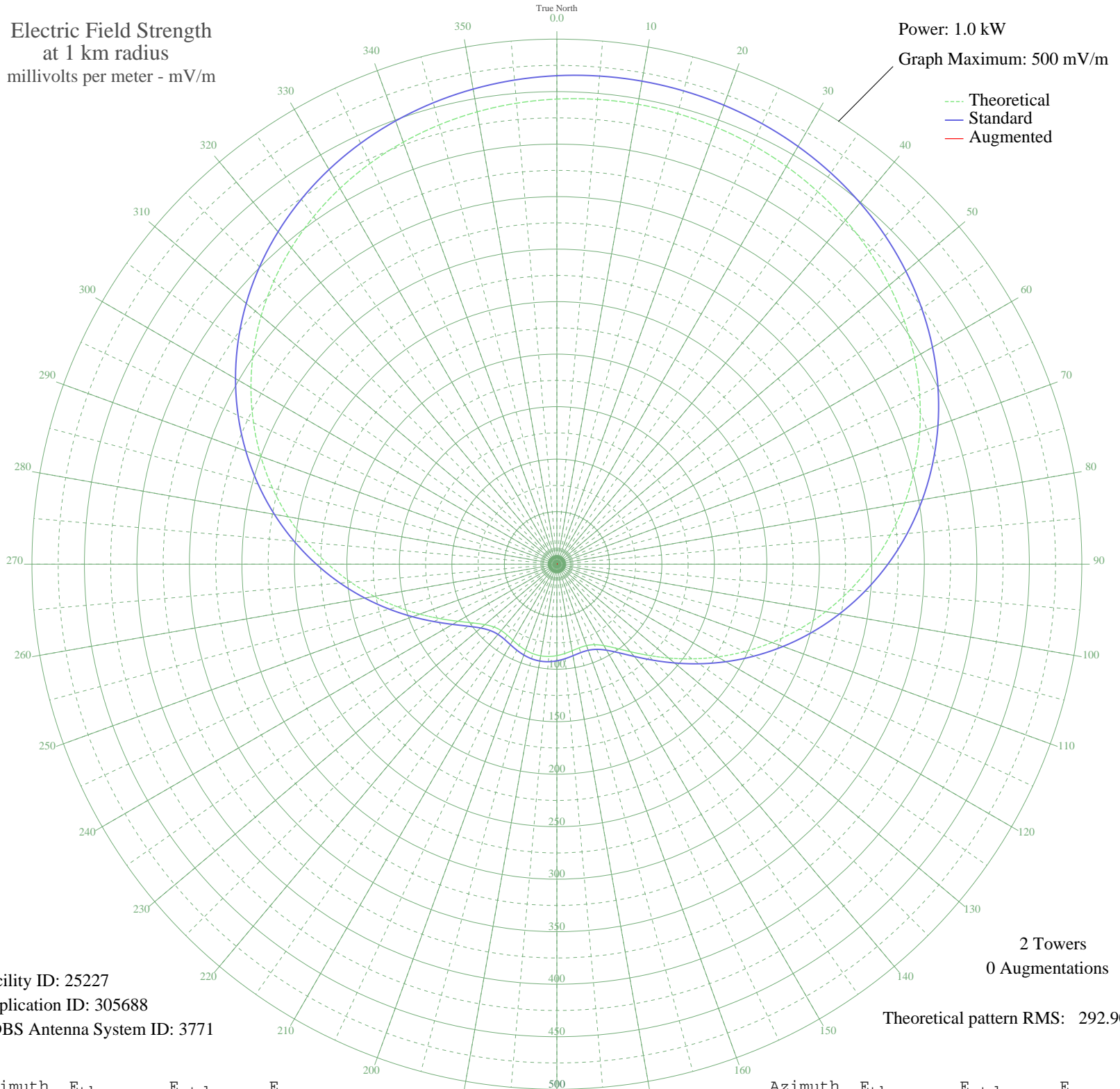


# WGRP GREENVILLE, PA BL-- 940 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 25227  
Application ID: 305688  
CDBS Antenna System ID: 3771

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 292.90

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	442.92	465.18	
5	444.26	466.59	
10	444.71	467.06	
15	444.26	466.59	
20	442.92	465.18	
25	440.64	462.79	
30	437.39	459.38	
35	433.10	454.87	
40	427.69	449.19	
45	421.08	442.26	
50	413.20	433.99	
55	403.97	424.30	
60	393.34	413.14	
65	381.27	400.47	
70	367.75	386.28	
75	352.80	370.59	
80	336.48	353.45	
85	318.88	334.98	
90	300.14	315.32	
95	280.44	294.65	
100	260.01	273.22	
105	239.10	251.28	
110	218.01	229.15	
115	197.07	207.19	
120	176.65	185.78	
125	157.15	165.34	
130	139.01	146.34	
135	122.72	129.28	
140	108.76	114.68	
145	97.60	103.02	
150	89.56	94.62	
155	84.65	89.50	
160	82.52	87.28	
165	82.48	87.24	
170	83.71	88.52	
175	85.45	90.33	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	87.09	92.05	
185	88.23	93.24	
190	88.64	93.66	
195	88.23	93.24	
200	87.09	92.05	
205	85.45	90.33	
210	83.71	88.52	
215	82.48	87.24	
220	82.52	87.28	
225	84.65	89.50	
230	89.56	94.62	
235	97.60	103.02	
240	108.76	114.68	
245	122.72	129.28	
250	139.01	146.34	
255	157.15	165.34	
260	176.65	185.78	
265	197.07	207.19	
270	218.01	229.15	
275	239.10	251.28	
280	260.01	273.22	
285	280.44	294.65	
290	300.14	315.32	
295	318.88	334.98	
300	336.48	353.45	
305	352.80	370.59	
310	367.75	386.28	
315	381.27	400.47	
320	393.34	413.14	
325	403.97	424.30	
330	413.20	433.99	
335	421.08	442.26	
340	427.69	449.19	
345	433.10	454.87	
350	437.39	459.38	
355	440.64	462.79	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission