

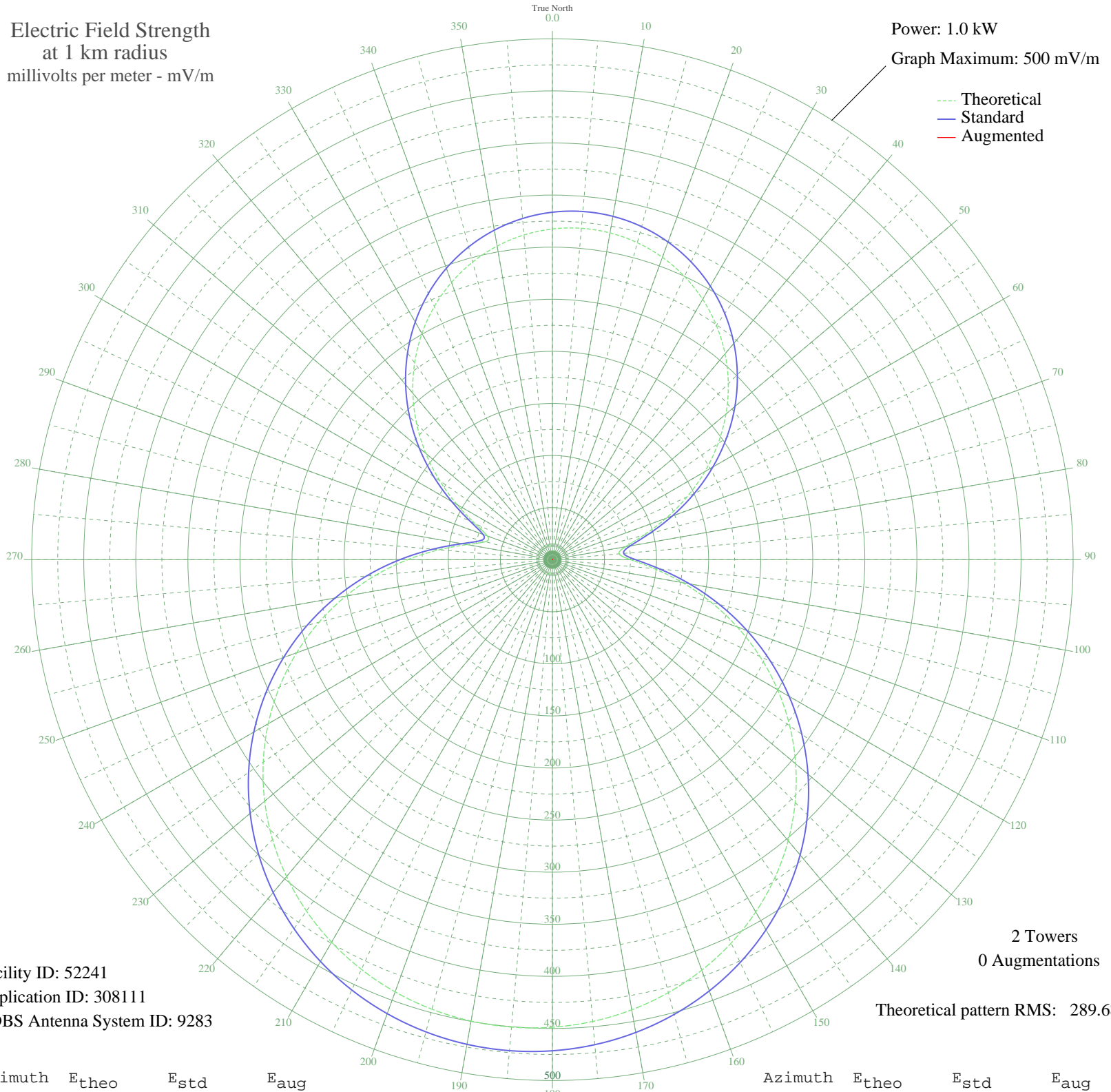
# WGBN NEW KENSINGTON, PA BL-- 1150 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 52241  
Application ID: 308111  
CDBS Antenna System ID: 9283

2 Towers  
0 Augmentations

Theoretical pattern RMS: 289.68

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	317.44	333.55	
5	319.32	335.51	
10	318.51	334.67	
15	315.03	331.01	
20	308.87	324.55	
25	300.05	315.30	
30	288.59	303.27	
35	274.53	288.52	
40	257.93	271.11	
45	238.89	251.15	
50	217.57	228.79	
55	194.18	204.27	
60	169.05	177.94	
65	142.71	150.36	
70	116.06	122.50	
75	90.91	96.27	
80	71.19	75.79	
85	64.31	68.66	
90	75.03	79.77	
95	98.08	103.74	
100	126.77	133.69	
105	157.62	165.97	
110	188.96	198.80	
115	219.87	231.20	
120	249.76	262.55	
125	278.22	292.39	
130	304.92	320.41	
135	329.65	346.36	
140	352.23	370.05	
145	372.55	391.38	
150	390.54	410.26	
155	406.16	426.65	
160	419.40	440.54	
165	430.26	451.95	
170	438.78	460.89	
175	444.97	467.39	

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	448.86	471.47	
185	450.45	473.14	
190	449.77	472.42	
195	446.80	469.31	
200	441.54	463.78	
205	433.95	455.82	
210	424.03	445.40	
215	411.74	432.51	
220	397.07	417.11	
225	380.03	399.23	
230	360.64	378.87	
235	338.95	356.11	
240	315.06	331.05	
245	289.12	303.84	
250	261.34	274.69	
255	231.98	243.89	
260	201.41	211.85	
265	170.16	179.10	
270	138.97	146.45	
275	109.14	115.27	
280	83.22	88.27	
285	66.60	71.04	
290	66.43	70.86	
295	82.03	87.03	
300	105.67	111.65	
305	132.02	139.18	
310	158.62	167.02	
315	184.31	193.93	
320	208.44	219.22	
325	230.63	242.48	
330	250.60	263.42	
335	268.19	281.87	
340	283.27	297.70	
345	295.78	310.82	
350	305.66	321.19	
355	312.89	328.77	