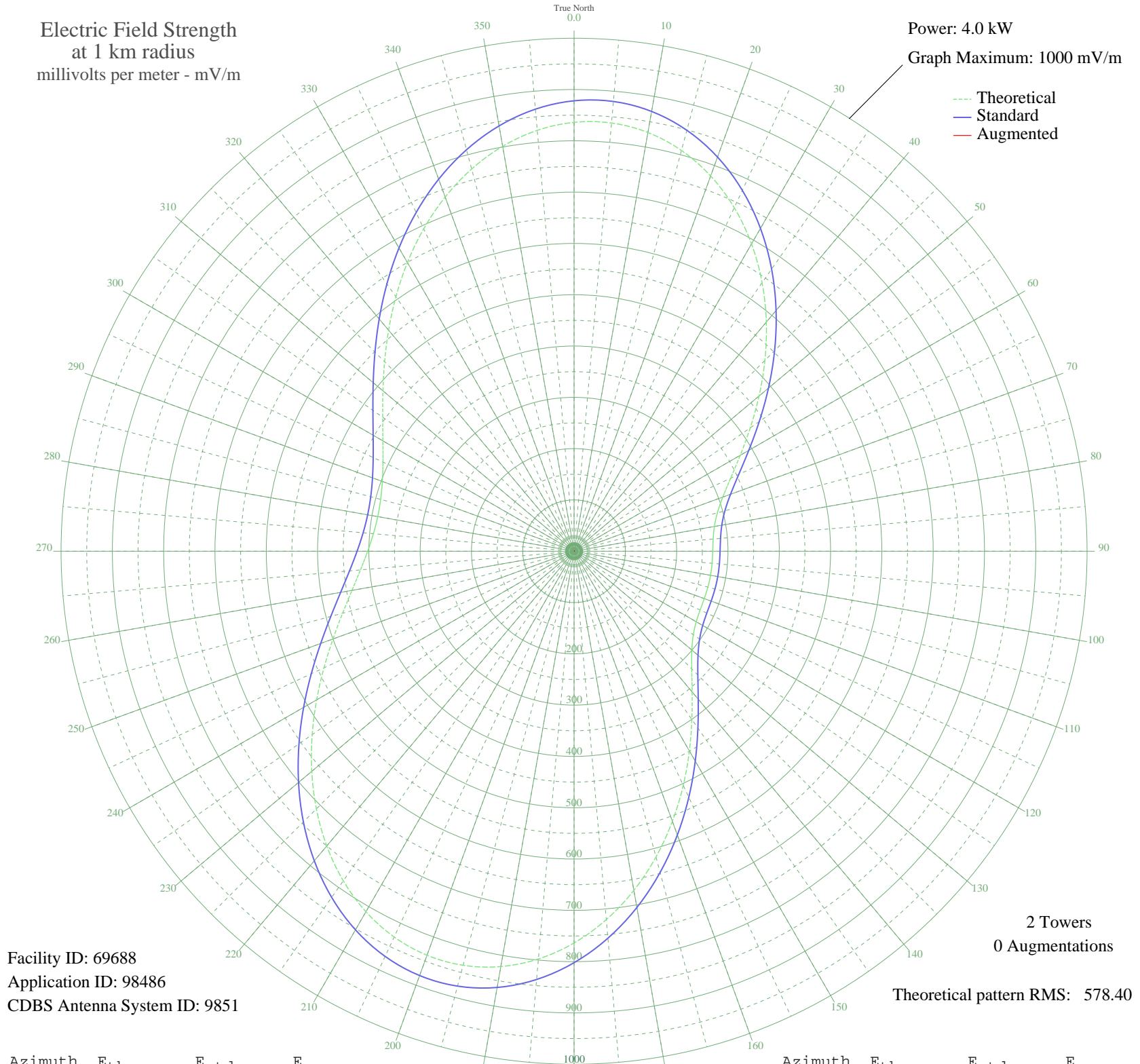


# WBYN LEHIGHTON, PA BL-19870303AE 1160 kHz

Daytime

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

Power: 4.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 69688  
Application ID: 98486  
CDBS Antenna System ID: 9851

2 Towers  
0 Augmentations

Theoretical pattern RMS: 578.40

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	836.01	878.07	
5	837.93	880.08	
10	828.83	870.53	
15	808.80	849.50	
20	778.44	817.63	
25	738.91	776.14	
30	691.80	726.70	
35	639.11	671.39	
40	583.06	612.58	
45	526.09	552.80	
50	470.68	494.66	
55	419.24	440.70	
60	373.99	393.25	
65	336.72	354.18	
70	308.46	324.56	
75	289.21	304.39	
80	277.79	292.44	
85	272.24	286.62	
90	270.30	284.59	
95	270.04	284.31	
100	270.15	284.43	
105	270.08	284.37	
110	270.08	284.36	
115	271.15	285.48	
120	274.99	289.51	
125	283.80	298.73	
130	299.72	315.41	
135	324.31	341.17	
140	358.04	376.53	
145	400.28	420.82	
150	449.49	472.44	
155	503.60	529.20	
160	560.25	588.64	
165	616.96	648.15	
170	671.27	705.15	
175	720.87	757.21	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	763.65	802.11	
185	797.84	837.99	
190	822.11	863.47	
195	835.62	877.65	
200	838.08	880.24	
205	829.75	871.50	
210	811.41	852.24	
215	784.30	823.78	
220	750.00	787.78	
225	710.39	746.20	
230	667.43	701.12	
235	623.14	654.63	
240	579.40	608.73	
245	537.93	565.21	
250	500.14	525.57	
255	467.13	490.93	
260	439.62	462.08	
265	417.99	439.40	
270	402.34	422.98	
275	392.59	412.75	
280	388.60	408.57	
285	390.31	410.36	
290	397.74	418.16	
295	411.02	432.08	
300	430.25	452.25	
305	455.44	478.67	
310	486.31	511.06	
315	522.30	548.82	
320	562.45	590.95	
325	605.48	636.10	
330	649.77	682.58	
335	693.50	728.47	
340	734.69	771.71	
345	771.34	810.18	
350	801.54	841.88	
355	823.56	864.99	

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