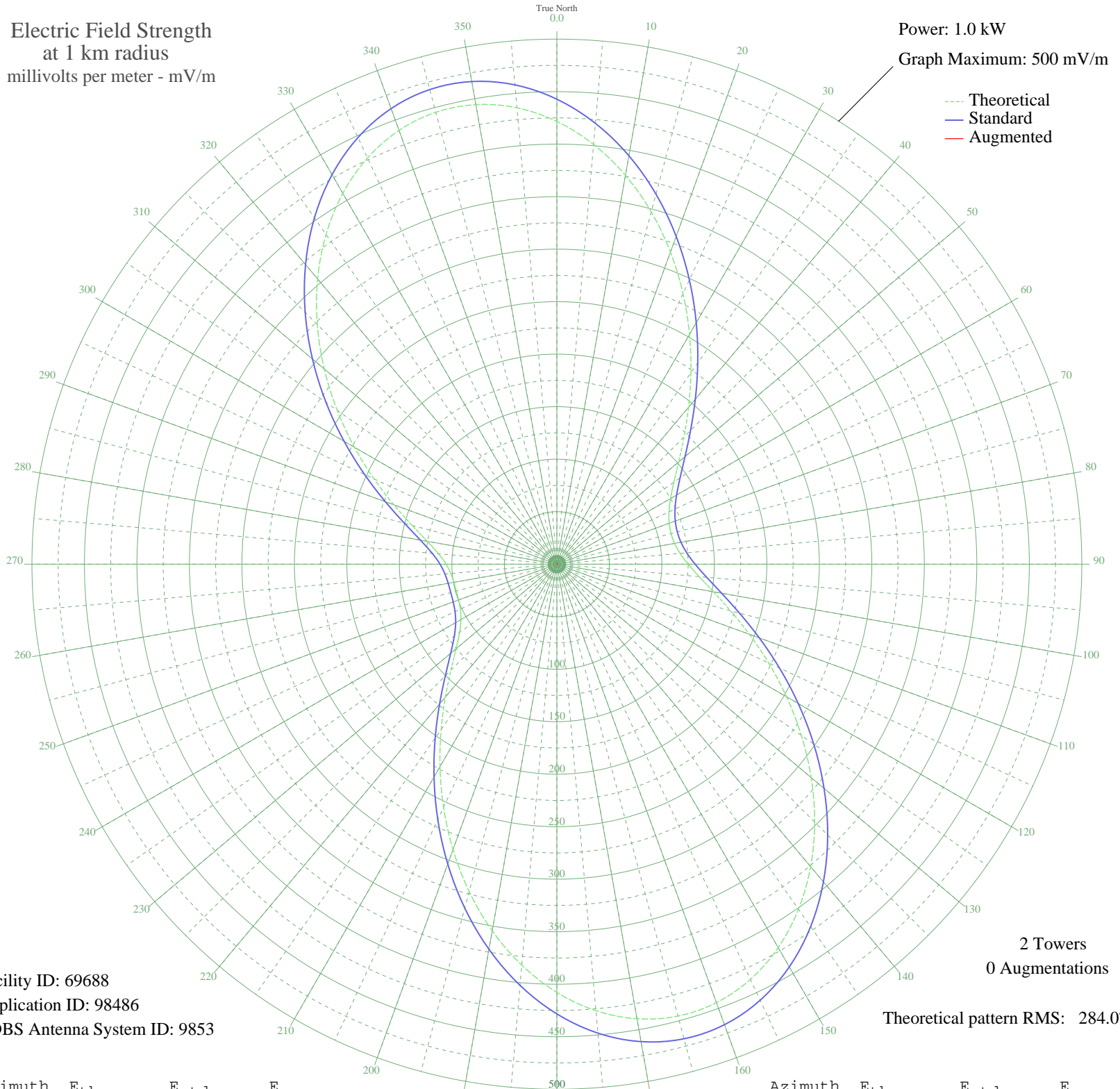


# WBYN LEHIGHTON, PA BL-19870303AE 1160 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 69688  
Application ID: 98486  
CDBS Antenna System ID: 9853

2 Towers  
0 Augmentations

Theoretical pattern RMS: 284.07

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	421.60	442.80	
5	401.19	421.38	
10	376.02	394.96	
15	347.27	364.79	
20	316.25	332.22	
25	284.27	298.66	
30	252.63	265.47	
35	222.56	233.93	
40	195.12	205.15	
45	171.20	180.06	
50	151.41	159.33	
55	136.06	143.24	
60	125.02	131.69	
65	117.84	124.18	
70	113.89	120.05	
75	112.64	118.74	
80	113.89	120.05	
85	117.84	124.18	
90	125.02	131.69	
95	136.06	143.24	
100	151.41	159.33	
105	171.20	180.06	
110	195.12	205.15	
115	222.56	233.92	
120	252.63	265.47	
125	284.27	298.66	
130	316.24	332.22	
135	347.27	364.79	
140	376.02	394.96	
145	401.19	421.38	
150	421.60	442.80	
155	436.24	458.17	
160	444.37	466.70	
165	445.52	467.91	
170	439.59	461.69	
175	426.82	448.28	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	407.77	428.29	
185	383.32	402.62	
190	354.55	372.42	
195	322.73	339.03	
200	289.22	303.86	
205	255.39	268.37	
210	222.62	233.99	
215	192.18	202.06	
220	165.22	173.80	
225	142.73	150.24	
230	125.33	132.02	
235	113.13	119.25	
240	105.53	111.31	
245	101.44	107.03	
250	99.61	105.11	
255	99.11	104.59	
260	99.61	105.11	
265	101.44	107.03	
270	105.53	111.31	
275	113.13	119.25	
280	125.33	132.02	
285	142.73	150.24	
290	165.22	173.80	
295	192.18	202.06	
300	222.62	233.99	
305	255.39	268.37	
310	289.22	303.86	
315	322.73	339.03	
320	354.55	372.42	
325	383.32	402.62	
330	407.77	428.29	
335	426.82	448.28	
340	439.59	461.69	
345	445.52	467.91	
350	444.37	466.70	
355	436.24	458.17	