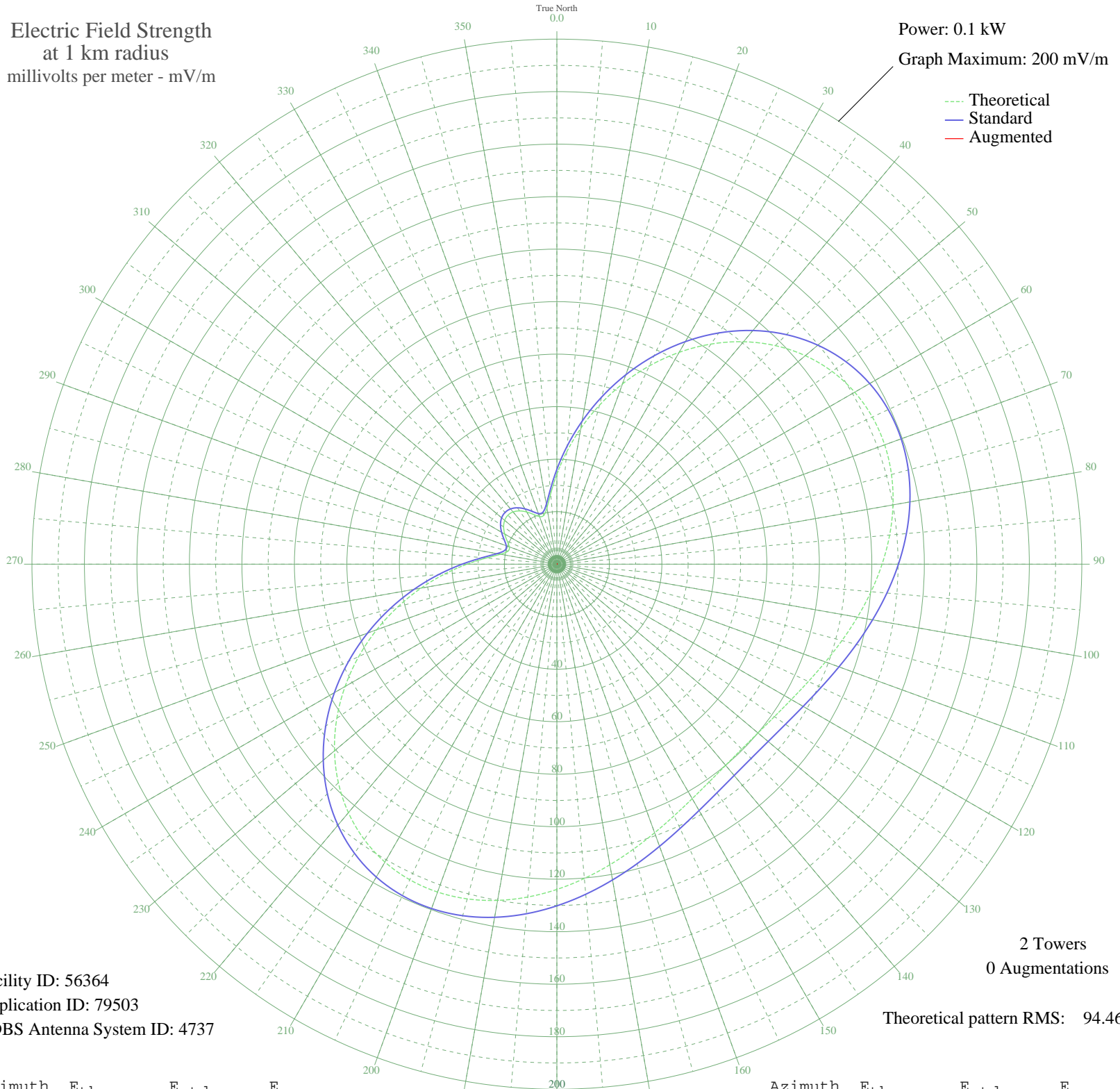


# WNTW SOMERSET, PA BL-19850628AB 990 kHz

Nighttime

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

Power: 0.1 kW  
Graph Maximum: 200 mV/m



Facility ID: 56364  
Application ID: 79503  
CDBS Antenna System ID: 4737

2 Towers  
0 Augmentations

Theoretical pattern RMS: 94.46

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	34.24	36.10	
5	42.92	45.18	
10	52.53	55.26	
15	62.69	65.91	
20	73.06	76.78	
25	83.32	87.54	
30	93.17	97.89	
35	102.35	107.52	
40	110.61	116.19	
45	117.73	123.66	
50	123.57	129.79	
55	128.01	134.45	
60	131.02	137.61	
65	132.63	139.30	
70	132.91	139.59	
75	131.99	138.62	
80	130.04	136.58	
85	127.27	133.68	
90	123.90	130.14	
95	120.16	126.21	
100	116.27	122.13	
105	112.45	118.12	
110	108.88	114.37	
115	105.73	111.06	
120	103.14	108.34	
125	101.21	106.32	
130	100.02	105.07	
135	99.62	104.65	
140	100.02	105.07	
145	101.21	106.32	
150	103.14	108.34	
155	105.73	111.06	
160	108.88	114.37	
165	112.45	118.12	
170	116.27	122.13	
175	120.16	126.21	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	123.90	130.14	
185	127.27	133.68	
190	130.04	136.58	
195	131.99	138.62	
200	132.91	139.59	
205	132.63	139.30	
210	131.02	137.61	
215	128.01	134.45	
220	123.57	129.79	
225	117.73	123.66	
230	110.61	116.19	
235	102.35	107.52	
240	93.17	97.89	
245	83.32	87.54	
250	73.06	76.78	
255	62.69	65.91	
260	52.53	55.26	
265	42.92	45.18	
270	34.24	36.10	
275	26.99	28.53	
280	21.80	23.12	
285	19.26	20.49	
290	19.28	20.51	
295	20.88	22.17	
300	22.95	24.32	
305	24.77	26.21	
310	25.97	27.47	
315	26.39	27.90	
320	25.97	27.47	
325	24.77	26.21	
330	22.95	24.32	
335	20.88	22.17	
340	19.28	20.51	
345	19.26	20.49	
350	21.80	23.12	
355	26.99	28.53	

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