

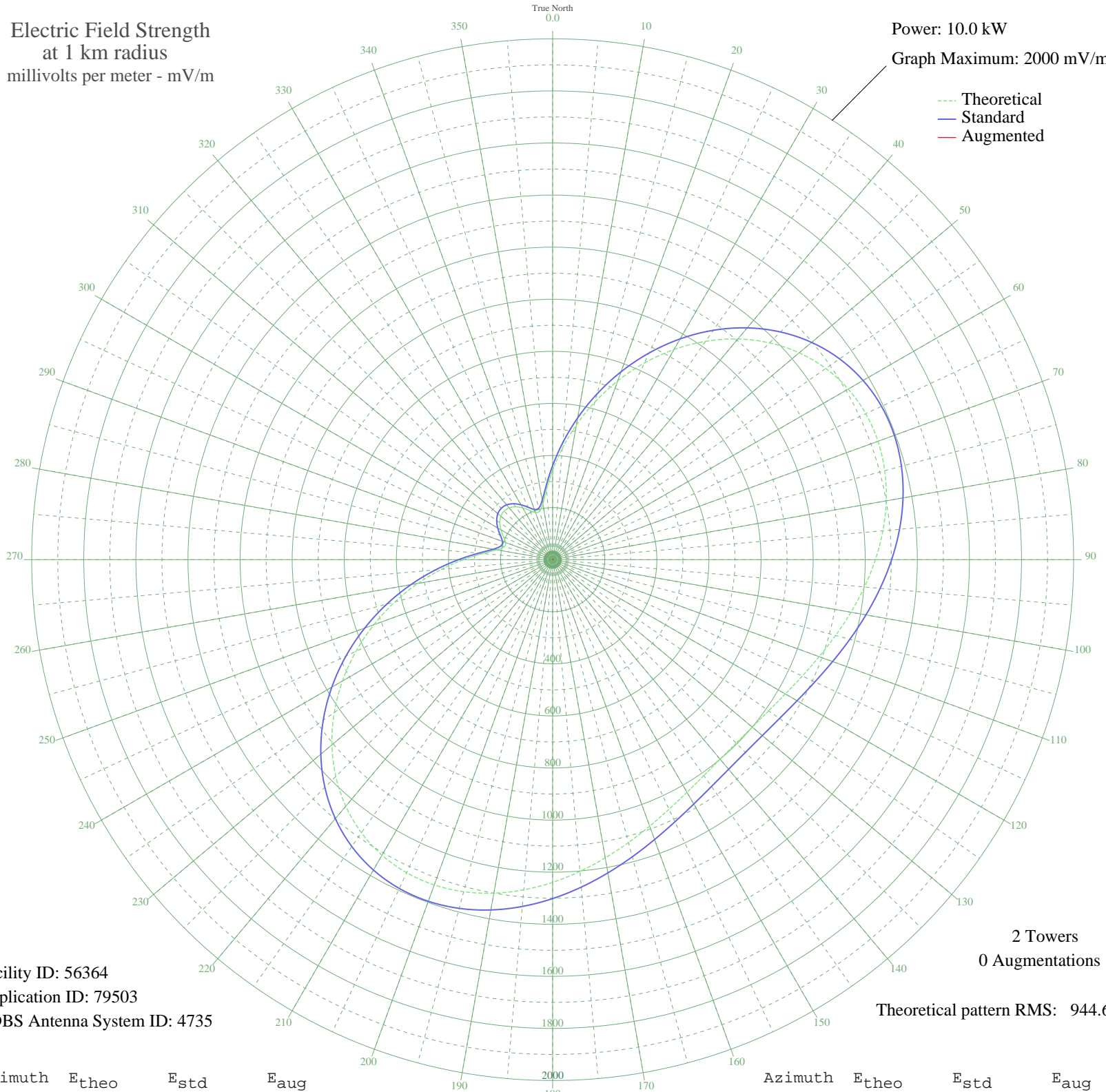
WNTW SOMERSET, PA BL-19850628AB 990 kHz

Daytime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 56364  
Application ID: 79503  
CDBS Antenna System ID: 4735

2 Towers  
0 Augmentations

Theoretical pattern RMS: 944.60

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	342.39	361.04	
5	429.16	451.84	
10	525.29	552.55	
15	626.88	659.06	
20	730.55	767.80	
25	833.16	875.45	
30	931.74	978.89	
35	1023.53	1075.22	
40	1106.08	1161.86	
45	1177.31	1236.62	
50	1235.65	1297.86	
55	1280.09	1344.51	
60	1310.23	1376.15	
65	1326.29	1393.00	
70	1329.06	1395.91	
75	1319.85	1386.24	
80	1300.39	1365.81	
85	1272.71	1336.76	
90	1239.02	1301.40	
95	1201.62	1262.14	
100	1162.74	1221.32	
105	1124.49	1181.18	
110	1088.79	1143.71	
115	1057.29	1110.65	
120	1031.36	1083.44	
125	1012.08	1063.20	
130	1000.20	1050.74	
135	996.19	1046.53	
140	1000.20	1050.74	
145	1012.08	1063.20	
150	1031.36	1083.44	
155	1057.29	1110.65	
160	1088.79	1143.71	
165	1124.49	1181.18	
170	1162.74	1221.32	
175	1201.62	1262.14	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1239.02	1301.40	
185	1272.71	1336.76	
190	1300.39	1365.81	
195	1319.85	1386.24	
200	1329.06	1395.91	
205	1326.29	1393.00	
210	1310.24	1376.15	
215	1280.09	1344.51	
220	1235.65	1297.86	
225	1177.31	1236.62	
230	1106.08	1161.86	
235	1023.53	1075.22	
240	931.74	978.89	
245	833.16	875.45	
250	730.55	767.80	
255	626.88	659.06	
260	525.29	552.55	
265	429.16	451.84	
270	342.39	361.04	
275	269.87	285.30	
280	217.95	231.24	
285	192.56	204.89	
290	192.80	205.15	
295	208.80	221.74	
300	229.46	243.21	
305	247.65	262.15	
310	259.68	274.68	
315	263.85	279.02	
320	259.68	274.68	
325	247.65	262.15	
330	229.46	243.21	
335	208.80	221.74	
340	192.80	205.15	
345	192.56	204.89	
350	217.95	231.24	
355	269.87	285.30	

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