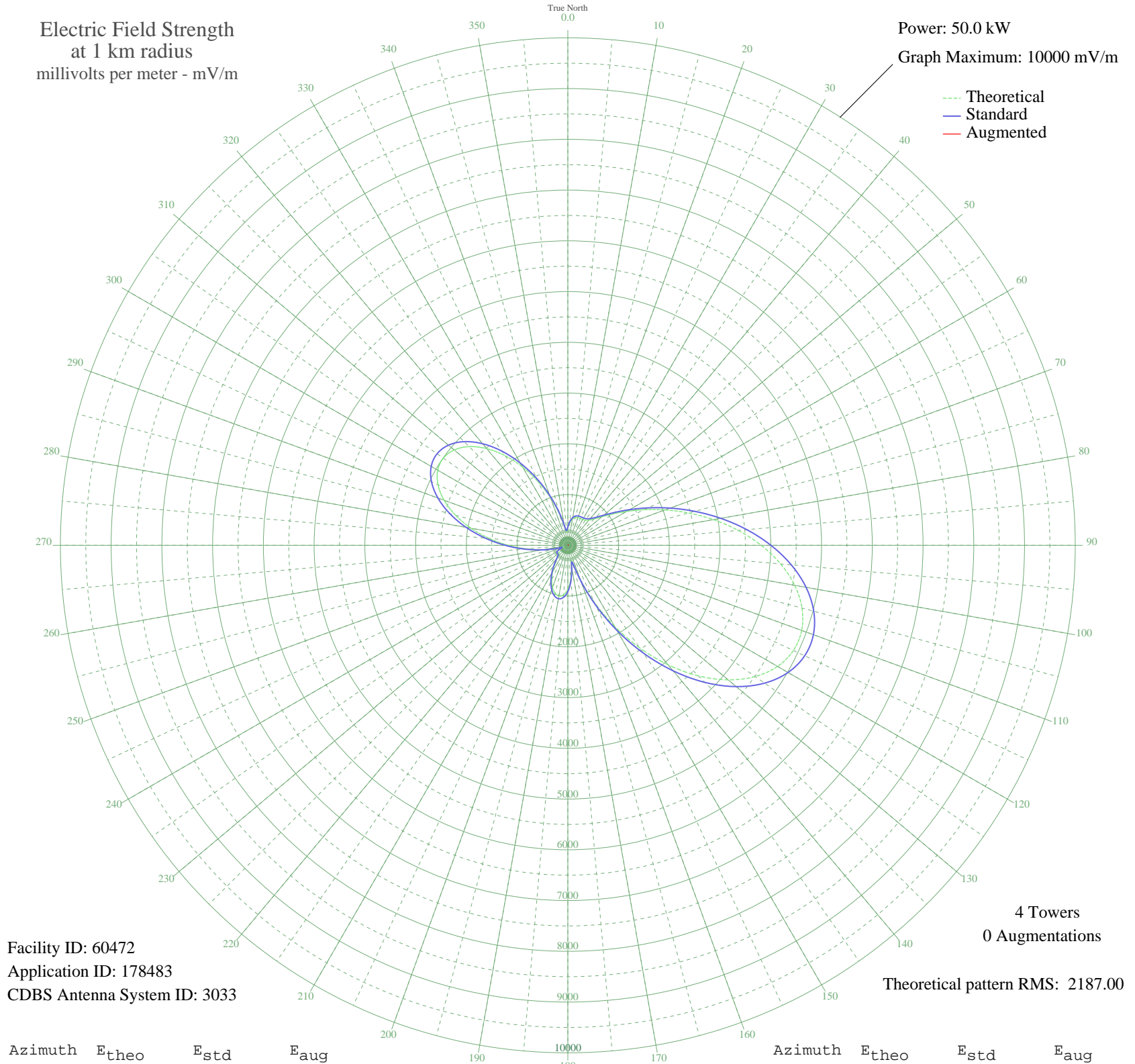


# WTAR NORFOLK, VA BL-19921106AC 850 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 10000 mV/m



Facility ID: 60472  
Application ID: 178483  
CDBS Antenna System ID: 3033

Theoretical pattern RMS: 2187.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	339.60	364.79	
5	446.05	474.63	
10	522.91	554.42	
15	564.94	598.16	
20	580.85	614.72	
25	583.54	617.53	
30	586.98	621.11	
35	604.89	639.78	
40	650.55	687.39	
45	736.82	777.47	
50	875.19	922.16	
55	1073.85	1130.16	
60	1336.26	1405.18	
65	1660.73	1745.46	
70	2040.45	2143.85	
75	2463.70	2588.03	
80	2914.13	3060.80	
85	3371.30	3540.71	
90	3811.62	4002.94	
95	4209.61	4420.76	
100	4539.64	4767.24	
105	4777.88	5017.36	
110	4904.31	5150.10	
115	4904.74	5150.55	
120	4772.33	5011.54	
125	4508.71	4734.77	
130	4124.24	4331.13	
135	3637.50	3820.15	
140	3074.04	3228.65	
145	2464.39	2588.75	
150	1842.02	1935.65	
155	1242.06	1306.43	
160	705.71	744.98	
165	334.11	359.16	
170	410.17	437.49	
175	665.67	703.18	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	865.42	911.94	
185	981.01	1032.93	
190	1014.65	1068.15	
195	977.01	1028.74	
200	882.88	930.21	
205	749.35	790.57	
210	595.28	629.76	
215	441.78	470.20	
220	314.71	339.28	
225	244.25	267.75	
230	235.09	258.55	
235	241.98	265.47	
240	220.44	243.91	
245	150.73	175.97	
250	74.18	109.47	
255	227.26	250.72	
260	489.95	520.17	
265	811.04	855.06	
270	1172.86	1233.90	
275	1555.63	1635.22	
280	1936.47	2034.74	
285	2290.62	2406.38	
290	2593.44	2724.19	
295	2822.56	2964.69	
300	2960.18	3109.14	
305	2994.94	3145.63	
310	2923.27	3070.40	
315	2749.93	2888.45	
320	2487.61	2613.12	
325	2155.72	2264.81	
330	1778.46	1868.97	
335	1382.65	1453.82	
340	995.83	1048.45	
345	646.61	683.29	
350	374.37	400.54	
355	265.22	288.91	

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