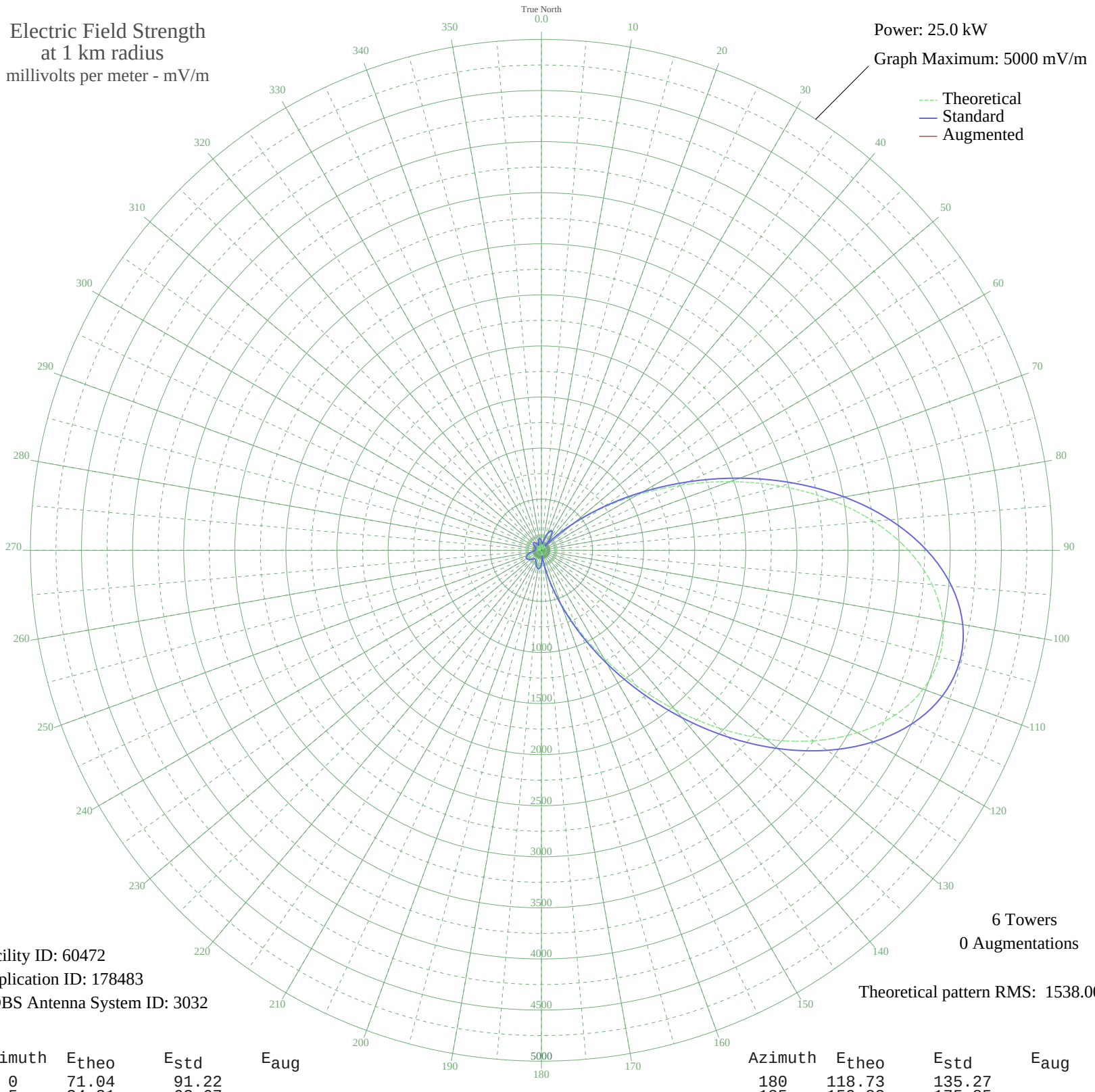
WTAR NORFOLK, VA BL-19921106AC 850 kHz

Nighttime

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



Power: 25.0 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented

Facility ID: 60472
Application ID: 178483
CDBS Antenna System ID: 3032

6 Towers
0 Augmentations

Theoretical pattern RMS: 1538.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	71.04	91.22	
5	34.31	63.67	
10	45.67	71.10	
15	102.98	120.20	
20	157.57	173.58	
25	192.85	209.19	
30	193.98	210.34	
35	146.95	162.99	
40	40.12	67.31	
45	136.57	152.71	
50	384.64	407.27	
55	702.84	739.85	
60	1082.69	1138.04	
65	1509.78	1586.14	
70	1964.69	2063.59	
75	2424.46	2546.22	
80	2864.46	3008.14	
85	3260.48	3423.90	
90	3590.58	3770.48	
95	3836.84	4029.02	
100	3986.46	4186.12	
105	4032.58	4234.53	
110	3974.39	4173.44	
115	3817.02	4008.22	
120	3570.86	3749.77	
125	3250.71	3413.65	
130	2874.65	3018.84	
135	2462.83	2586.51	
140	2036.06	2138.50	
145	1614.49	1696.02	
150	1216.36	1278.25	
155	856.87	901.25	
160	547.38	577.15	
165	294.85	314.01	
170	101.80	119.08	
175	35.15	64.17	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	118.73	135.27	
185	159.83	175.85	
190	168.55	184.60	
195	156.15	172.16	
200	133.45	149.63	
205	109.79	126.67	
210	92.28	110.20	
215	85.35	103.86	
220	90.11	108.21	
225	104.11	121.27	
230	122.48	138.90	
235	139.49	155.59	
240	149.77	165.79	
245	149.31	165.34	
250	136.40	152.54	
255	111.96	128.75	
260	79.54	98.65	
265	44.85	70.53	
270	17.23	55.53	
275	19.63	56.40	
280	28.54	60.45	
285	25.55	58.96	
290	11.86	53.96	
295	17.74	55.71	
300	44.29	70.13	
305	68.90	89.38	
310	85.06	103.60	
315	88.51	106.74	
320	77.43	96.78	
325	52.74	76.30	
330	18.04	55.81	
335	21.87	57.30	
340	59.05	81.25	
345	87.36	105.69	
350	100.82	118.16	
355	95.59	113.28	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission