

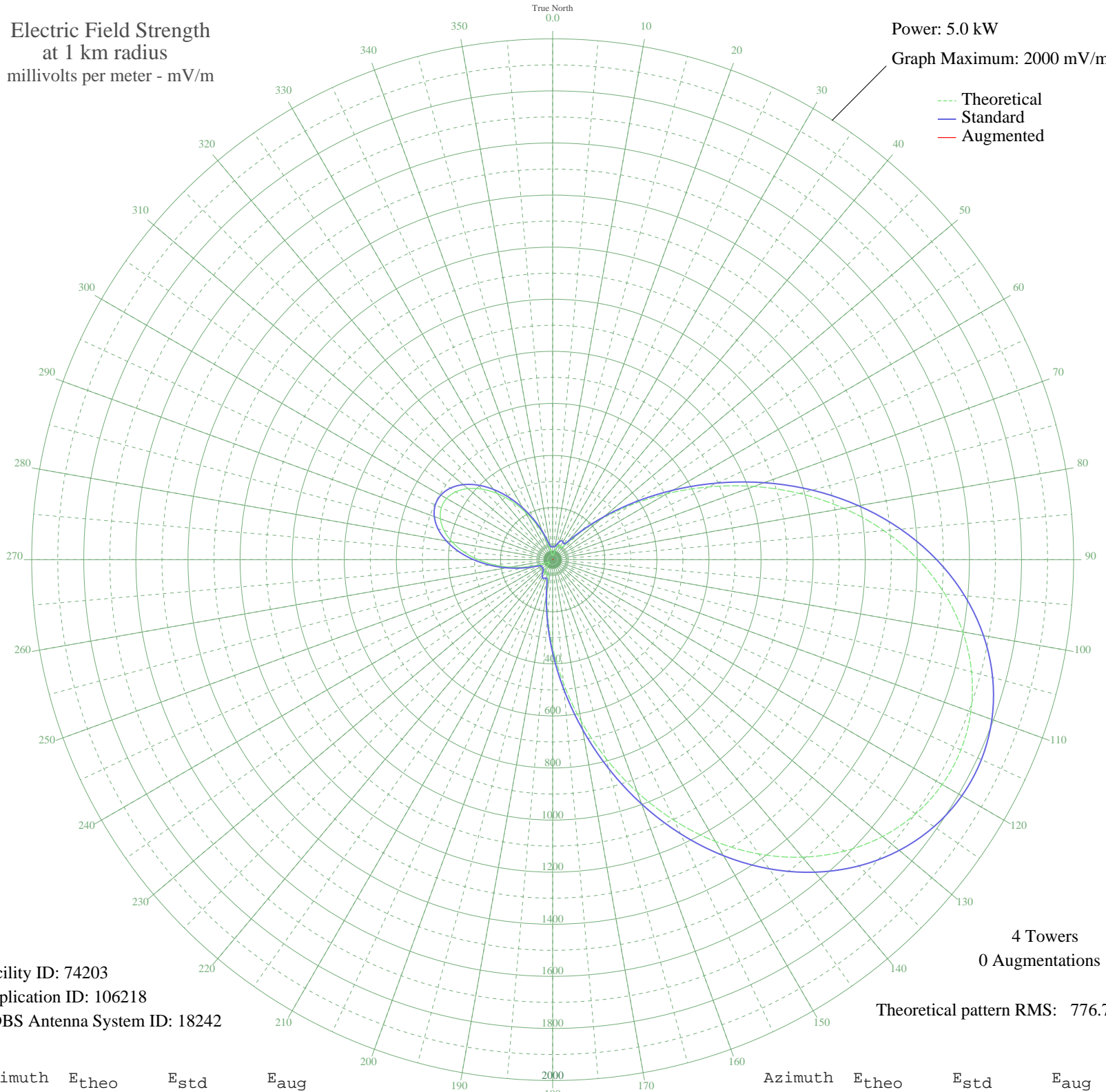
WCOG GREENSBORO, NC BL-19871027AE 1320 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 74203  
Application ID: 106218  
CDBS Antenna System ID: 18242

4 Towers  
0 Augmentations

Theoretical pattern RMS: 776.70

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	18.16	49.81	
5	16.81	49.28	
10	21.55	51.28	
15	36.71	60.03	
20	52.86	72.10	
25	62.41	80.07	
30	61.16	79.00	
35	54.75	73.64	
40	74.98	91.19	
45	140.75	154.79	
50	239.80	255.97	
55	363.74	384.69	
60	506.33	533.63	
65	661.19	695.77	
70	821.75	864.07	
75	981.62	1031.73	
80	1134.97	1192.60	
85	1276.83	1341.46	
90	1403.26	1474.14	
95	1511.32	1587.56	
100	1598.98	1679.56	
105	1664.95	1748.80	
110	1708.47	1794.48	
115	1729.15	1816.19	
120	1726.85	1813.78	
125	1701.58	1787.25	
130	1653.54	1736.82	
135	1583.16	1662.95	
140	1491.29	1566.53	
145	1379.36	1449.06	
150	1249.58	1312.87	
155	1105.07	1161.24	
160	949.99	998.55	
165	789.50	830.25	
170	629.55	662.63	
175	476.62	502.56	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	337.27	357.11	
185	217.80	233.27	
190	124.57	138.65	
195	67.06	84.11	
200	55.34	74.12	
205	62.27	79.95	
210	61.30	79.12	
215	49.96	69.78	
220	33.30	57.79	
225	19.55	50.38	
230	17.09	49.39	
235	18.02	49.75	
240	16.30	49.09	
245	29.55	55.49	
250	63.30	80.84	
255	110.16	124.48	
260	165.63	179.90	
265	225.60	241.30	
270	285.90	303.70	
275	342.56	362.62	
280	392.05	414.22	
285	431.41	455.31	
290	458.39	483.50	
295	471.50	497.20	
300	470.03	495.67	
305	454.06	478.98	
310	424.46	448.06	
315	382.88	404.65	
320	331.70	351.31	
325	274.01	291.36	
330	213.45	228.79	
335	154.04	168.16	
340	99.96	114.60	
345	55.33	74.11	
350	24.95	52.95	
355	16.30	49.09	

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission