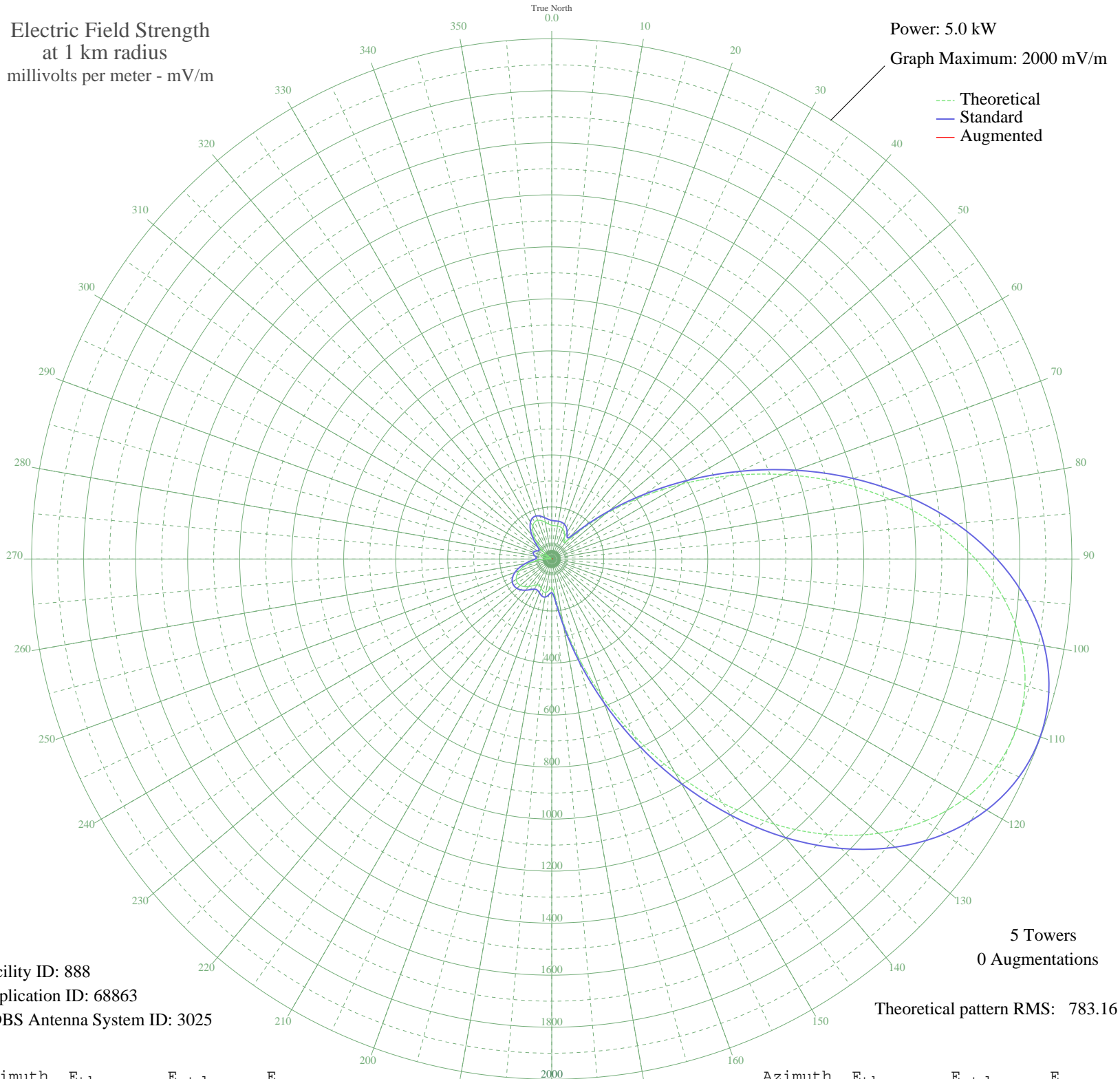


WRBZ RALEIGH, NC BL-19840417AA 850 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 888
Application ID: 68863
CDBS Antenna System ID: 3025

5 Towers
0 Augmentations
Theoretical pattern RMS: 783.16

Azimuth	E _{theo}	E _{std}	E _{aug}
0	129.82	148.28	
5	128.53	147.04	
10	128.75	147.25	
15	127.76	146.29	
20	123.42	142.12	
25	113.89	133.06	
30	97.92	118.22	
35	80.58	102.78	
40	91.12	112.07	
45	157.25	175.12	
50	266.71	286.06	
55	408.25	432.61	
60	574.43	605.97	
65	757.47	797.48	
70	948.76	997.90	
75	1139.44	1197.83	
80	1321.14	1388.42	
85	1486.48	1561.89	
90	1629.42	1711.89	
95	1745.32	1833.52	
100	1830.85	1923.28	
105	1883.80	1978.85	
110	1902.87	1998.86	
115	1887.53	1982.76	
120	1837.94	1930.72	
125	1755.03	1843.70	
130	1640.60	1723.62	
135	1497.61	1573.57	
140	1330.36	1398.09	
145	1144.68	1203.33	
150	948.01	997.12	
155	749.17	788.80	
160	558.04	588.84	
165	385.15	408.59	
170	241.96	260.68	
175	143.82	161.89	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	109.76	129.18	
185	119.92	138.78	
190	130.40	148.84	
195	128.70	147.19	
200	119.52	138.41	
205	112.50	131.76	
210	114.68	133.81	
215	125.17	143.80	
220	138.42	156.62	
225	149.95	167.91	
230	157.58	175.45	
235	160.36	178.20	
240	157.52	175.39	
245	148.31	166.30	
250	132.30	150.68	
255	109.82	129.24	
260	82.19	104.18	
265	51.63	79.66	
270	21.01	62.39	
275	6.60	58.77	
280	28.28	65.48	
285	41.69	72.95	
290	45.30	75.29	
295	38.58	71.04	
300	22.14	62.82	
305	4.59	58.56	
310	33.60	68.19	
315	66.48	90.99	
320	98.33	118.60	
325	125.65	144.26	
330	145.57	163.61	
335	156.43	174.31	
340	158.20	176.06	
345	152.72	170.65	
350	143.54	161.62	
355	134.89	153.18	

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