

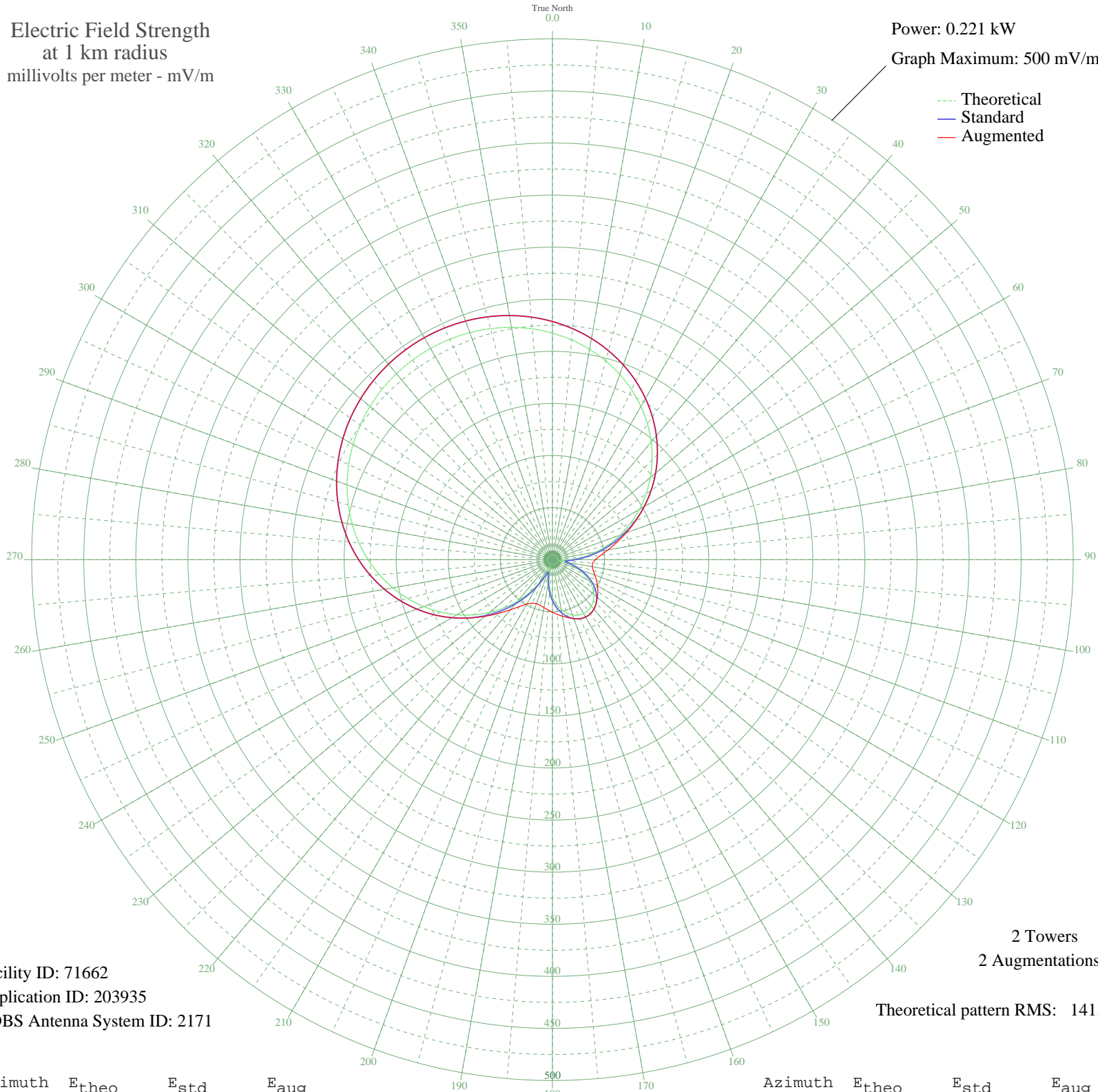
WKAZ CHARLESTON, WV BL-19941110AE 680 kHz

Nighttime

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

Power: 0.221 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 71662  
Application ID: 203935  
CDBS Antenna System ID: 2171

2 Towers  
2 Augmentations

Theoretical pattern RMS: 141.16

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	217.49	228.61	228.61
5	211.73	222.56	222.56
10	205.08	215.59	215.59
15	197.55	207.70	207.70
20	189.15	198.89	198.89
25	179.91	189.19	189.19
30	169.84	178.64	178.64
35	159.02	167.30	167.30
40	147.50	155.23	155.23
45	135.36	142.51	142.51
50	122.70	129.26	129.26
55	109.64	115.60	115.60
60	96.29	101.64	101.71
65	82.78	87.55	88.19
70	69.25	73.47	75.47
75	55.85	59.58	63.94
80	42.74	46.09	54.08
85	30.09	33.29	46.36
90	18.18	21.79	41.24
95	8.15	13.55	38.85
100	8.24	13.61	38.87
105	16.85	20.57	40.61
110	25.68	28.93	43.34
115	33.75	36.96	46.54
120	40.85	44.16	49.88
125	46.89	50.34	53.21
130	51.81	55.40	56.41
135	55.58	59.29	59.40
140	58.16	61.96	61.96
145	59.55	63.40	63.40
150	59.73	63.59	63.59
155	58.70	62.53	62.53
160	56.48	60.22	60.25
165	53.06	56.69	57.59
170	48.48	51.98	55.05
175	42.77	46.12	52.68

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	35.98	39.21	50.48
185	28.19	31.41	48.46
190	19.55	23.06	46.70
195	10.62	15.31	45.41
200	6.42	12.48	45.02
205	14.85	18.80	46.10
210	26.42	29.66	49.24
215	38.89	42.16	54.81
220	51.88	55.48	62.78
225	65.21	69.27	72.87
230	78.71	83.31	84.65
235	92.24	97.42	97.66
240	105.66	111.43	111.43
245	118.82	125.20	125.20
250	131.61	138.59	138.59
255	143.92	151.48	151.48
260	155.63	163.75	163.75
265	166.67	175.32	175.32
270	176.97	186.11	186.11
275	186.47	196.07	196.07
280	195.12	205.15	205.15
285	202.92	213.32	213.32
290	209.83	220.57	220.57
295	215.86	226.89	226.89
300	221.01	232.29	232.29
305	225.29	236.79	236.79
310	228.71	240.38	240.38
315	231.30	243.09	243.09
320	233.05	244.93	244.93
325	233.99	245.91	245.91
330	234.11	246.04	246.04
335	233.42	245.32	245.32
340	231.91	243.73	243.73
345	229.58	241.28	241.28
350	226.41	237.96	237.96
355	222.38	233.74	233.74