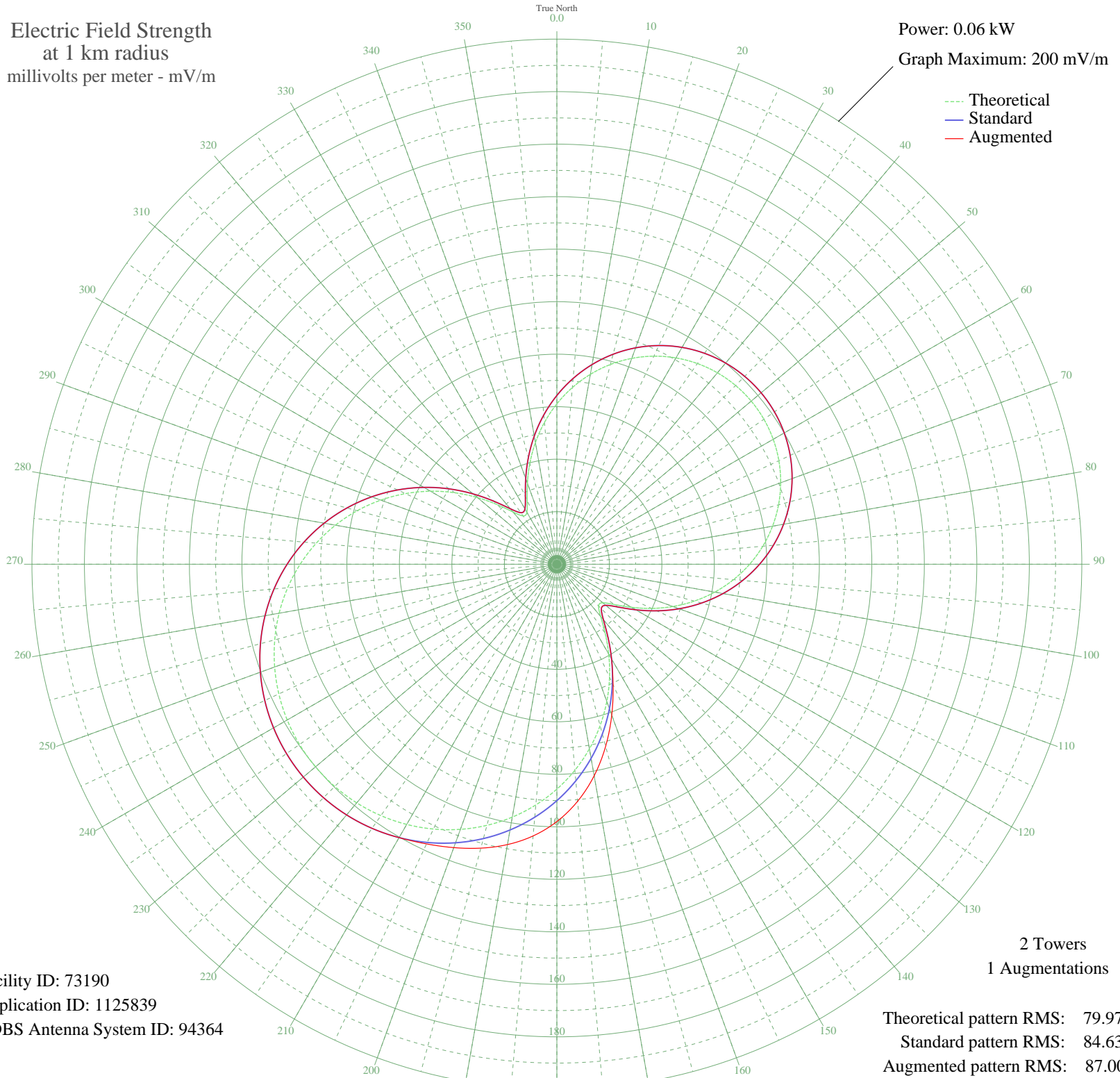


# WKCW WARRENTON, VA BL-20060302ADG 1420 kHz

Nighttime

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

Power: 0.06 kW  
Graph Maximum: 200 mV/m



Facility ID: 73190  
Application ID: 1125839  
CDBS Antenna System ID: 94364

Theoretical pattern RMS: 79.97  
Standard pattern RMS: 84.63  
Augmented pattern RMS: 87.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	61.10	64.29	64.29
5	67.53	71.03	71.03
10	73.44	77.23	77.23
15	78.76	82.80	82.80
20	83.44	87.71	87.71
25	87.44	91.91	91.91
30	90.74	95.37	95.37
35	93.32	98.08	98.08
40	95.18	100.02	100.02
45	96.29	101.19	101.19
50	96.66	101.58	101.58
55	96.29	101.19	101.19
60	95.18	100.02	100.02
65	93.32	98.08	98.08
70	90.74	95.37	95.37
75	87.44	91.91	91.91
80	83.44	87.71	87.71
85	78.76	82.80	82.80
90	73.44	77.23	77.23
95	67.53	71.03	71.03
100	61.10	64.29	64.29
105	54.23	57.09	57.09
110	47.06	49.59	49.59
115	39.80	42.00	42.00
120	32.81	34.71	34.71
125	26.76	28.41	28.41
130	22.83	24.34	24.34
135	22.48	23.97	23.97
140	25.97	27.59	27.59
145	32.07	33.93	33.93
150	39.50	41.68	41.68
155	47.48	50.03	50.03
160	55.61	58.54	61.13
165	63.64	66.95	71.80
170	71.39	75.08	81.81
175	78.76	82.81	90.64

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	85.66	90.04	98.01
185	92.03	96.72	103.88
190	97.80	102.78	108.42
195	102.95	108.18	111.95
200	107.45	112.90	114.86
205	111.28	116.92	117.53
210	114.43	120.22	120.24
215	116.88	122.80	122.80
220	118.64	124.64	124.64
225	119.69	125.75	125.75
230	120.04	126.11	126.11
235	119.69	125.75	125.75
240	118.64	124.64	124.64
245	116.88	122.80	122.80
250	114.43	120.22	120.22
255	111.28	116.92	116.92
260	107.45	112.90	112.90
265	102.95	108.18	108.18
270	97.80	102.78	102.78
275	92.02	96.72	96.72
280	85.66	90.04	90.04
285	78.76	82.81	82.81
290	71.39	75.08	75.08
295	63.64	66.95	66.95
300	55.61	58.54	58.54
305	47.48	50.03	50.03
310	39.50	41.68	41.68
315	32.07	33.93	33.93
320	25.97	27.59	27.59
325	22.48	23.97	23.97
330	22.83	24.34	24.34
335	26.76	28.41	28.41
340	32.81	34.71	34.71
345	39.80	42.00	42.00
350	47.06	49.59	49.59
355	54.23	57.09	57.09

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission