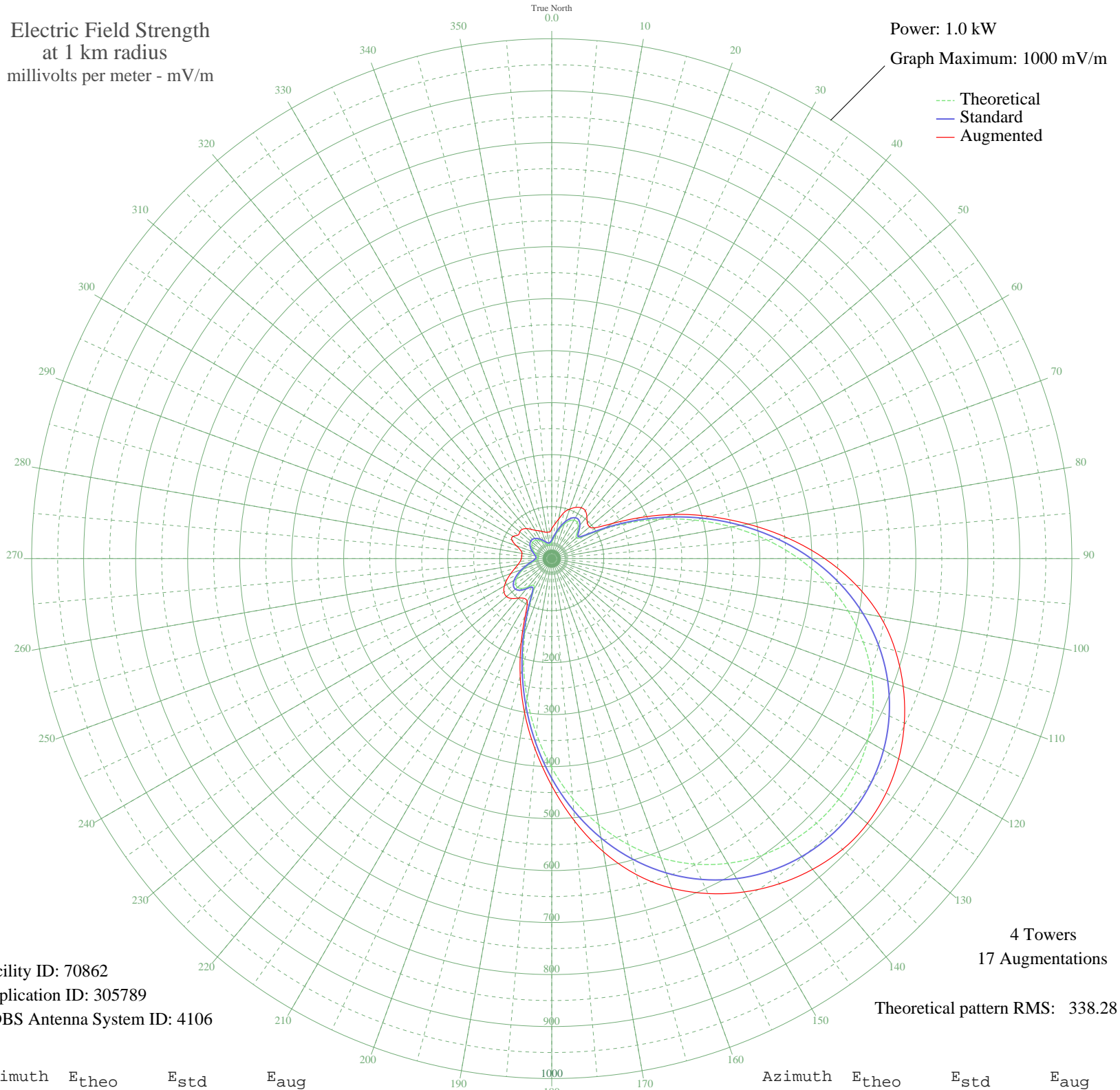


# WKCI WAYNESBORO, VA BL-- 970 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 70862  
Application ID: 305789  
CDBS Antenna System ID: 4106

4 Towers  
17 Augmentations  
Theoretical pattern RMS: 338.28

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	31.23	35.65	57.53
5	38.43	42.70	66.46
10	48.20	52.50	77.34
15	59.48	63.99	92.19
20	70.70	75.54	101.50
25	80.01	85.17	108.70
30	85.45	90.80	113.05
35	85.38	90.73	112.43
40	79.09	84.22	105.08
45	68.39	73.16	96.77
50	61.52	66.09	94.95
55	74.30	79.26	104.30
60	110.64	117.02	135.77
65	161.98	170.66	186.49
70	221.79	233.30	248.63
75	285.91	300.53	313.82
80	351.15	368.98	383.12
85	414.91	435.88	455.39
90	475.05	499.00	524.97
95	529.98	556.65	587.89
100	578.58	607.67	641.54
105	620.19	651.35	684.15
110	654.53	687.40	719.11
115	681.56	715.77	748.01
120	701.42	736.62	770.22
125	714.29	750.13	785.16
130	720.34	756.48	792.36
135	719.67	755.78	790.80
140	712.26	748.01	780.19
145	698.01	733.04	763.31
150	676.73	710.71	740.26
155	648.25	680.80	710.79
160	612.45	643.22	674.65
165	569.40	598.04	629.26
170	519.47	545.62	572.63
175	463.40	486.77	507.06

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	402.38	422.74	436.75
185	338.15	355.33	367.70
190	272.90	286.89	300.88
195	209.37	220.28	234.31
200	150.88	159.04	171.75
205	101.90	107.90	119.90
210	69.66	74.47	94.62
215	61.84	66.42	93.26
220	70.63	75.47	98.98
225	80.82	86.00	108.56
230	85.89	91.26	113.48
235	84.76	90.09	112.06
240	78.40	83.50	105.12
245	68.55	73.32	94.83
250	57.17	61.63	83.74
255	46.08	50.36	73.71
260	36.76	41.05	66.00
265	30.15	34.61	61.02
270	26.60	31.23	58.49
275	25.87	30.55	57.87
280	27.45	32.03	58.04
285	30.73	35.17	62.07
290	35.04	39.36	72.23
295	39.62	43.89	84.48
300	43.76	48.02	85.66
305	46.82	51.11	79.13
310	48.37	52.67	80.09
315	48.19	52.50	79.85
320	46.31	50.60	75.47
325	43.00	47.26	68.80
330	38.72	42.99	62.73
335	34.13	38.47	59.22
340	29.97	34.43	55.82
345	26.98	31.59	52.92
350	25.81	30.50	51.48
355	27.07	31.67	51.20

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