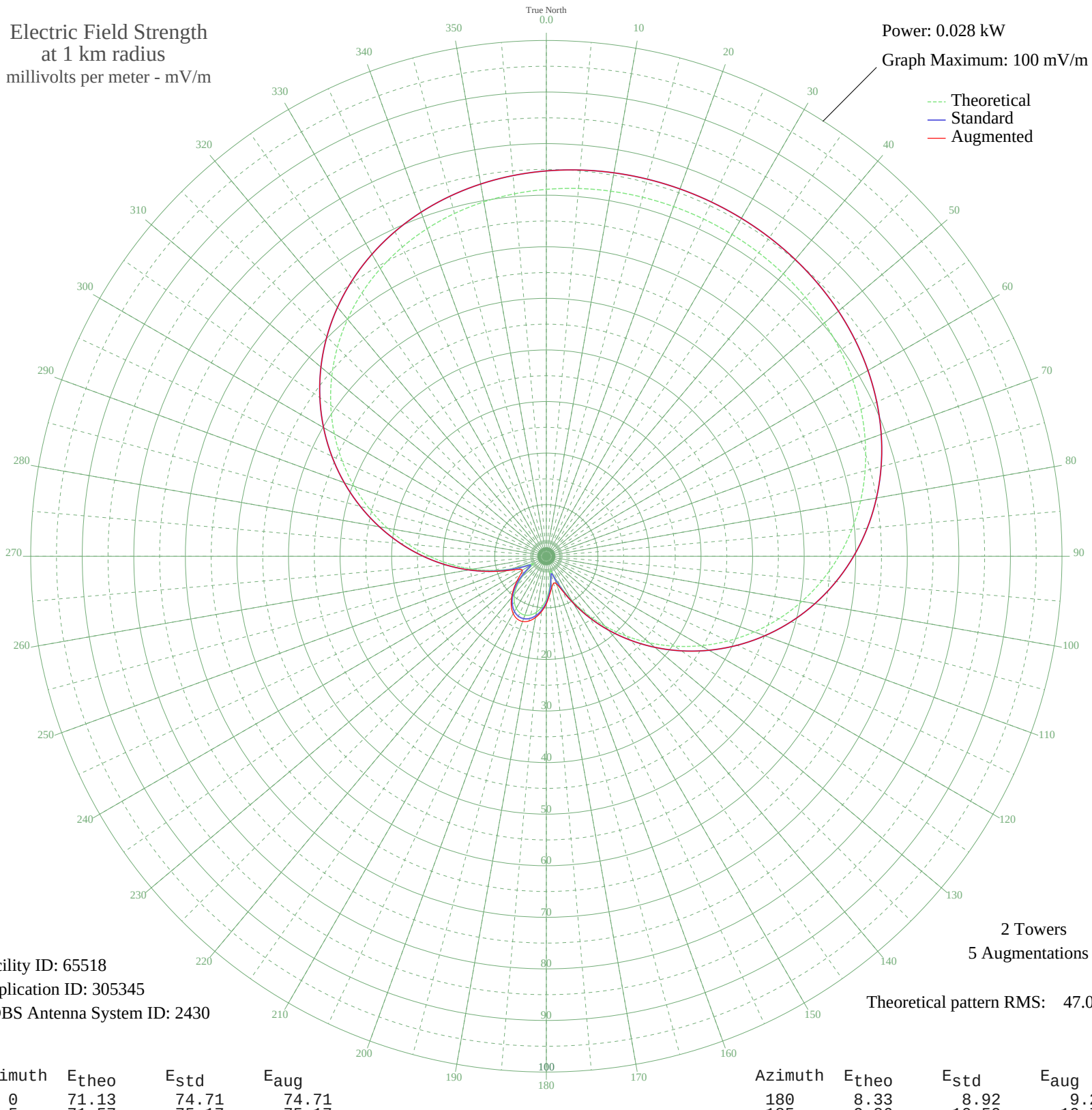
WMNA GRETNA, VA BL-- 730 kHz

Nighttime



Facility ID: 65518
Application ID: 305345
CDBS Antenna System ID: 2430

2 Towers
5 Augmentations

Theoretical pattern RMS: 47.08

Azimuth	E_{theo}	E_{std}	E_{aug}
0	71.13	74.71	74.71
5	71.57	75.17	75.17
10	71.88	75.49	75.49
15	72.07	75.69	75.69
20	72.16	75.78	75.78
25	72.15	75.77	75.77
30	72.04	75.66	75.66
35	71.83	75.44	75.44
40	71.49	75.09	75.09
45	71.03	74.60	74.60
50	70.40	73.94	73.94
55	69.60	73.10	73.10
60	68.58	72.03	72.03
65	67.32	70.71	70.71
70	65.80	69.11	69.11
75	64.00	67.22	67.22
80	61.89	65.01	65.01
85	59.47	62.47	62.47
90	56.73	59.59	59.59
95	53.69	56.40	56.40
100	50.35	52.89	52.89
105	46.74	49.11	49.11
110	42.89	45.07	45.07
115	38.86	40.84	40.84
120	34.68	36.45	36.45
125	30.41	31.98	31.98
130	26.11	27.47	27.47
135	21.84	23.00	23.00
140	17.66	18.63	18.63
145	13.65	14.44	14.44
150	9.87	10.51	10.51
155	6.44	6.99	7.36
160	3.72	4.28	5.69
165	2.94	3.55	5.43
170	4.47	5.01	6.11
175	6.49	7.04	7.45

Azimuth	E_{theo}	E_{std}	E_{aug}
180	8.33	8.92	9.22
185	9.86	10.50	10.78
190	11.02	11.70	12.07
195	11.78	12.50	12.99
200	12.15	12.88	13.46
205	12.11	12.83	13.41
210	11.66	12.37	12.84
215	10.82	11.49	11.83
220	9.58	10.21	10.50
225	7.99	8.57	8.97
230	6.09	6.63	7.41
235	4.08	4.63	6.06
240	2.85	3.47	5.40
245	4.17	4.71	6.05
250	7.09	7.65	8.14
255	10.60	11.27	11.35
260	14.43	15.26	15.26
265	18.49	19.49	19.49
270	22.69	23.89	23.89
275	26.97	28.37	28.37
280	31.27	32.88	32.88
285	35.52	37.34	37.34
290	39.68	41.70	41.70
295	43.68	45.90	45.90
300	47.48	49.88	49.88
305	51.04	53.62	53.62
310	54.32	57.06	57.06
315	57.30	60.20	60.20
320	59.98	63.00	63.00
325	62.34	65.48	65.48
330	64.38	67.62	67.62
335	66.13	69.46	69.46
340	67.59	70.99	70.99
345	68.80	72.26	72.26
350	69.77	73.28	73.28
355	70.54	74.09	74.09

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission