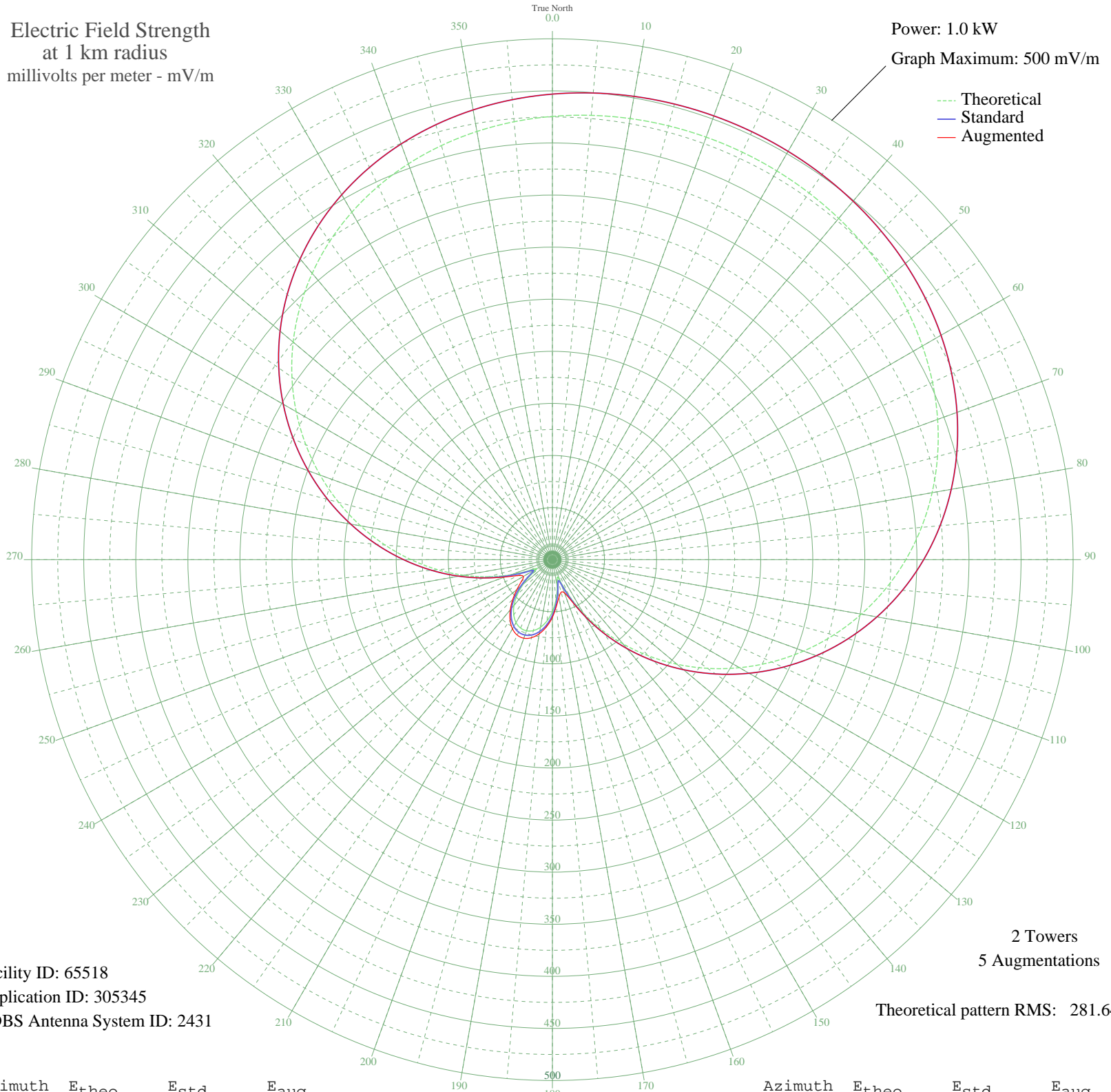


# WMNA GRETNVA, VA BL-- 730 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 65518  
Application ID: 305345  
CDBS Antenna System ID: 2431

2 Towers  
5 Augmentations  
Theoretical pattern RMS: 281.64

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	425.53	446.93	446.93
5	428.15	449.68	449.68
10	429.98	451.60	451.60
15	431.12	452.80	452.80
20	431.65	453.35	453.35
25	431.59	453.29	453.29
30	430.95	452.62	452.62
35	429.67	451.28	451.28
40	427.69	449.20	449.20
45	424.90	446.27	446.27
50	421.17	442.35	442.35
55	416.33	437.27	437.27
60	410.24	430.88	430.88
65	402.72	422.99	422.99
70	393.63	413.45	413.45
75	382.84	402.11	402.11
80	370.23	388.88	388.88
85	355.75	373.68	373.68
90	339.38	356.50	356.50
95	321.16	337.38	337.38
100	301.18	316.41	316.41
105	279.59	293.76	293.76
110	256.60	269.64	269.64
115	232.45	244.30	244.30
120	207.45	218.07	218.07
125	181.91	191.29	191.29
130	156.19	164.33	164.33
135	130.65	137.58	137.58
140	105.66	111.44	111.44
145	81.63	86.36	86.36
150	59.02	62.85	62.87
155	38.54	41.81	44.03
160	22.23	25.60	33.96
165	17.56	21.22	32.40
170	26.75	29.99	36.51
175	38.81	42.08	44.65

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	49.85	53.39	55.33
185	58.98	62.81	64.63
190	65.90	69.99	72.17
195	70.48	74.75	77.55
200	72.67	77.02	80.23
205	72.42	76.77	79.93
210	69.76	74.00	76.67
215	64.70	68.74	70.82
220	57.32	61.10	62.92
225	47.78	51.26	53.77
230	36.43	39.67	44.41
235	24.43	27.72	36.22
240	17.07	20.77	32.19
245	24.93	28.20	36.09
250	42.41	45.75	48.69
255	63.40	67.39	67.87
260	86.34	91.27	91.27
265	110.60	116.60	116.60
270	135.72	142.90	142.90
275	161.33	169.72	169.72
280	187.04	196.68	196.68
285	212.50	223.38	223.38
290	237.36	249.45	249.45
295	261.30	274.57	274.57
300	284.03	298.42	298.42
305	305.31	320.75	320.75
310	324.95	341.36	341.36
315	342.80	360.10	360.10
320	358.80	376.88	376.88
325	372.90	391.68	391.68
330	385.14	404.53	404.53
335	395.58	415.50	415.50
340	404.35	424.69	424.69
345	411.57	432.27	432.27
350	417.39	438.39	438.39
355	422.00	443.22	443.22