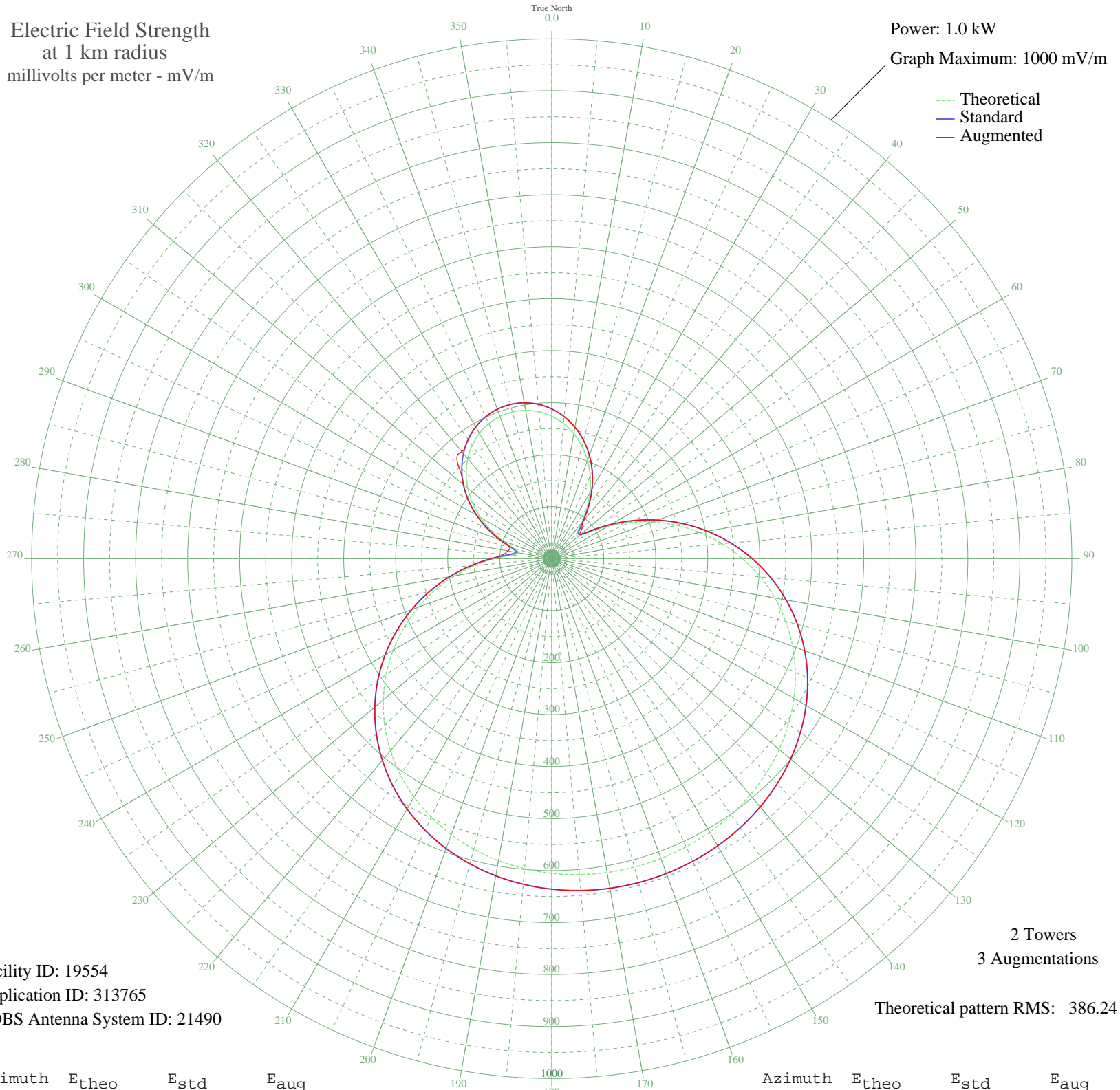


# WNAV ANNAPOLIS, MD BL-- 1430 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 19554  
Application ID: 313765  
CDBS Antenna System ID: 21490

2 Towers  
3 Augmentations

Theoretical pattern RMS: 386.24

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	273.90	287.87	287.87
5	260.78	274.11	274.11
10	244.19	256.71	256.71
15	224.24	235.79	235.79
20	201.10	211.53	211.53
25	175.08	184.26	184.26
30	146.73	154.58	154.58
35	117.14	123.65	123.65
40	88.84	94.14	94.14
45	68.34	72.86	82.08
50	67.92	72.42	72.42
55	90.34	95.70	95.70
60	124.93	131.78	131.78
65	164.49	173.18	173.18
70	205.96	216.63	216.63
75	247.80	260.50	260.50
80	289.02	303.74	303.74
85	328.92	345.60	345.60
90	366.92	385.47	385.47
95	402.58	422.90	422.90
100	435.57	457.52	457.52
105	465.66	489.11	489.11
110	492.72	517.51	517.51
115	516.70	542.69	542.69
120	537.64	564.67	564.67
125	555.64	583.56	583.56
130	570.84	599.51	599.51
135	583.42	612.72	612.72
140	593.59	623.40	623.40
145	601.53	631.73	631.73
150	607.43	637.92	637.92
155	611.43	642.13	642.13
160	613.66	644.46	644.46
165	614.17	645.00	645.00
170	612.98	643.75	643.75
175	610.05	640.68	640.68

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	605.30	635.69	635.69
185	598.61	628.67	628.67
190	589.80	619.42	619.42
195	578.69	607.76	607.76
200	565.08	593.47	593.47
205	548.78	576.36	576.36
210	529.63	556.25	556.25
215	507.48	533.00	533.00
220	482.27	506.54	506.54
225	453.98	476.85	476.85
230	422.71	444.03	444.03
235	388.62	408.25	408.25
240	351.98	369.79	369.79
245	313.16	329.06	329.06
250	272.66	286.57	286.57
255	231.09	242.97	242.97
260	189.26	199.13	199.13
265	148.32	156.25	156.25
270	110.23	116.43	116.43
275	79.29	84.21	92.82
280	65.00	69.41	85.66
285	74.89	79.65	83.62
290	99.73	105.47	105.47
295	129.01	136.05	136.05
300	158.29	166.69	166.69
305	185.81	195.50	195.50
310	210.72	221.62	221.62
315	232.62	244.57	254.56
320	251.24	264.10	269.04
325	266.44	280.05	280.05
330	278.16	292.34	292.34
335	286.34	300.92	300.92
340	290.97	305.78	305.78
345	292.04	306.90	306.90
350	289.54	304.28	304.28
355	283.49	297.93	297.93