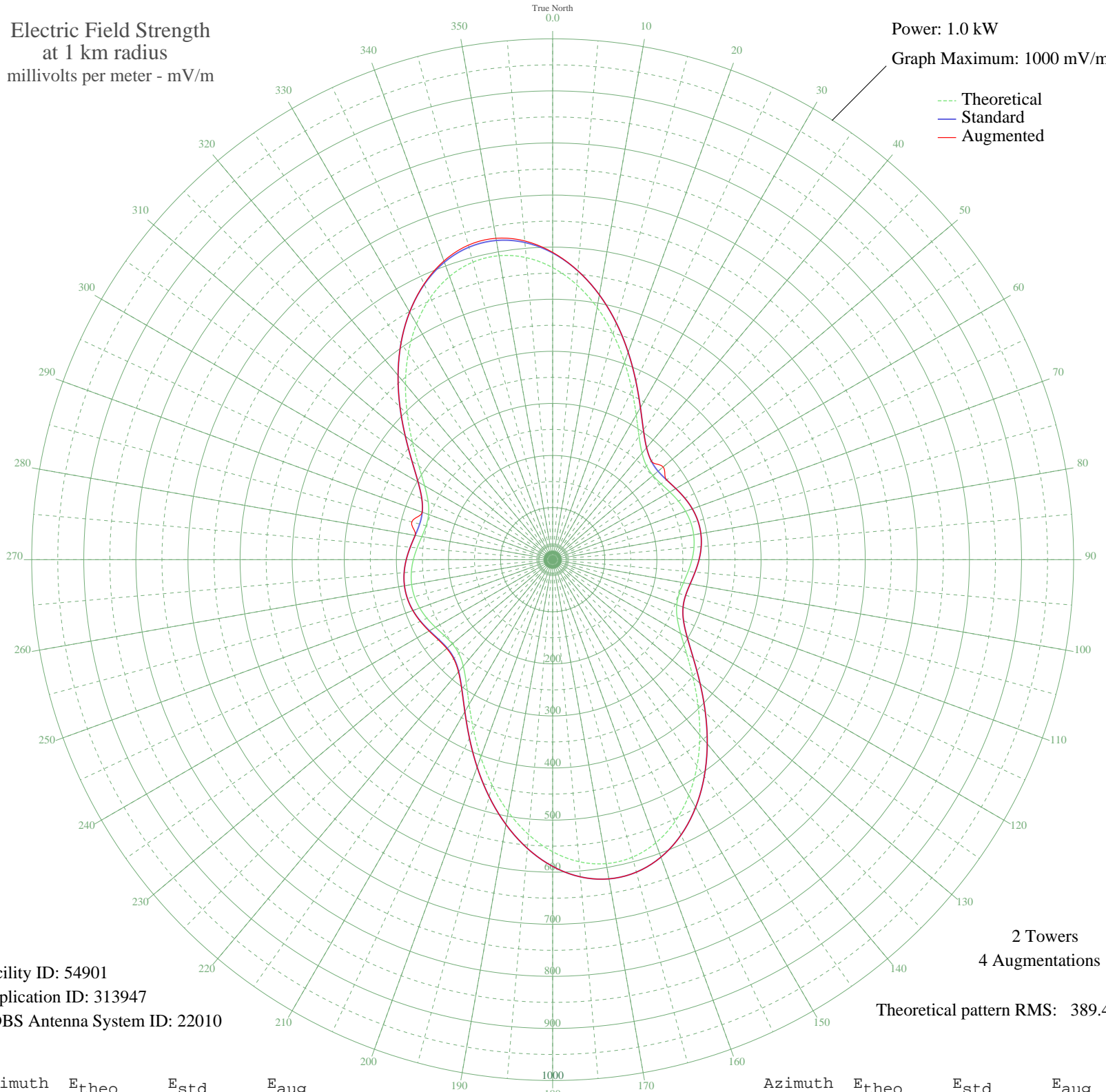


# WBNS COLUMBUS, OH BL-- 1460 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 54901  
Application ID: 313947  
CDBS Antenna System ID: 22010

2 Towers  
4 Augmentations  
Theoretical pattern RMS: 389.46

Azimuth	Etheo	Estd	Eaug
0	560.74	588.89	590.05
5	529.87	556.49	556.53
10	491.58	516.30	516.30
15	448.46	471.04	471.04
20	403.48	423.83	423.83
25	359.83	378.01	378.01
30	320.72	336.97	336.97
35	289.07	303.76	303.76
40	266.93	280.53	280.53
45	254.79	267.80	267.80
50	251.34	264.18	276.94
55	253.98	266.94	266.94
60	259.76	273.01	273.01
65	266.20	279.76	279.76
70	271.50	285.33	285.33
75	274.56	288.54	288.54
80	274.85	288.84	288.84
85	272.32	286.18	286.18
90	267.39	281.02	281.02
95	261.06	274.38	274.38
100	254.97	267.99	267.99
105	251.48	264.32	264.32
110	253.48	266.42	266.42
115	263.72	277.16	277.16
120	283.84	298.28	298.28
125	313.71	329.62	329.62
130	351.54	369.31	369.31
135	394.54	414.44	414.44
140	439.52	461.65	461.65
145	483.25	507.56	507.56
150	522.73	548.99	548.99
155	555.26	583.15	583.15
160	578.68	607.73	607.73
165	591.40	621.08	621.08
170	592.57	622.31	622.31
175	582.11	611.34	611.34

Azimuth	Etheo	Estd	Eaug
180	560.74	588.89	588.89
185	529.87	556.49	556.49
190	491.58	516.30	516.30
195	448.46	471.04	471.04
200	403.48	423.83	423.83
205	359.83	378.01	378.01
210	320.72	336.97	337.08
215	289.07	303.76	304.14
220	266.93	280.53	281.27
225	254.79	267.80	268.87
230	251.34	264.18	265.40
235	253.98	266.94	268.09
240	259.76	273.01	273.90
245	266.20	279.76	280.31
250	271.50	285.33	285.55
255	274.56	288.54	288.57
260	274.85	288.84	288.84
265	272.32	286.18	286.18
270	267.39	281.02	281.02
275	261.06	274.38	274.38
280	254.97	267.99	267.99
285	251.48	264.32	260.03
290	253.48	266.42	266.42
295	263.72	277.16	277.16
300	283.84	298.28	298.28
305	313.71	329.62	329.62
310	351.54	369.31	369.31
315	394.54	414.44	414.44
320	439.52	461.65	461.65
325	483.25	507.56	507.56
330	522.73	548.99	548.99
335	555.26	583.15	583.98
340	578.68	607.73	610.34
345	591.40	621.08	625.15
350	592.57	622.31	626.53
355	582.11	611.34	614.31

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.

27 Jun 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission