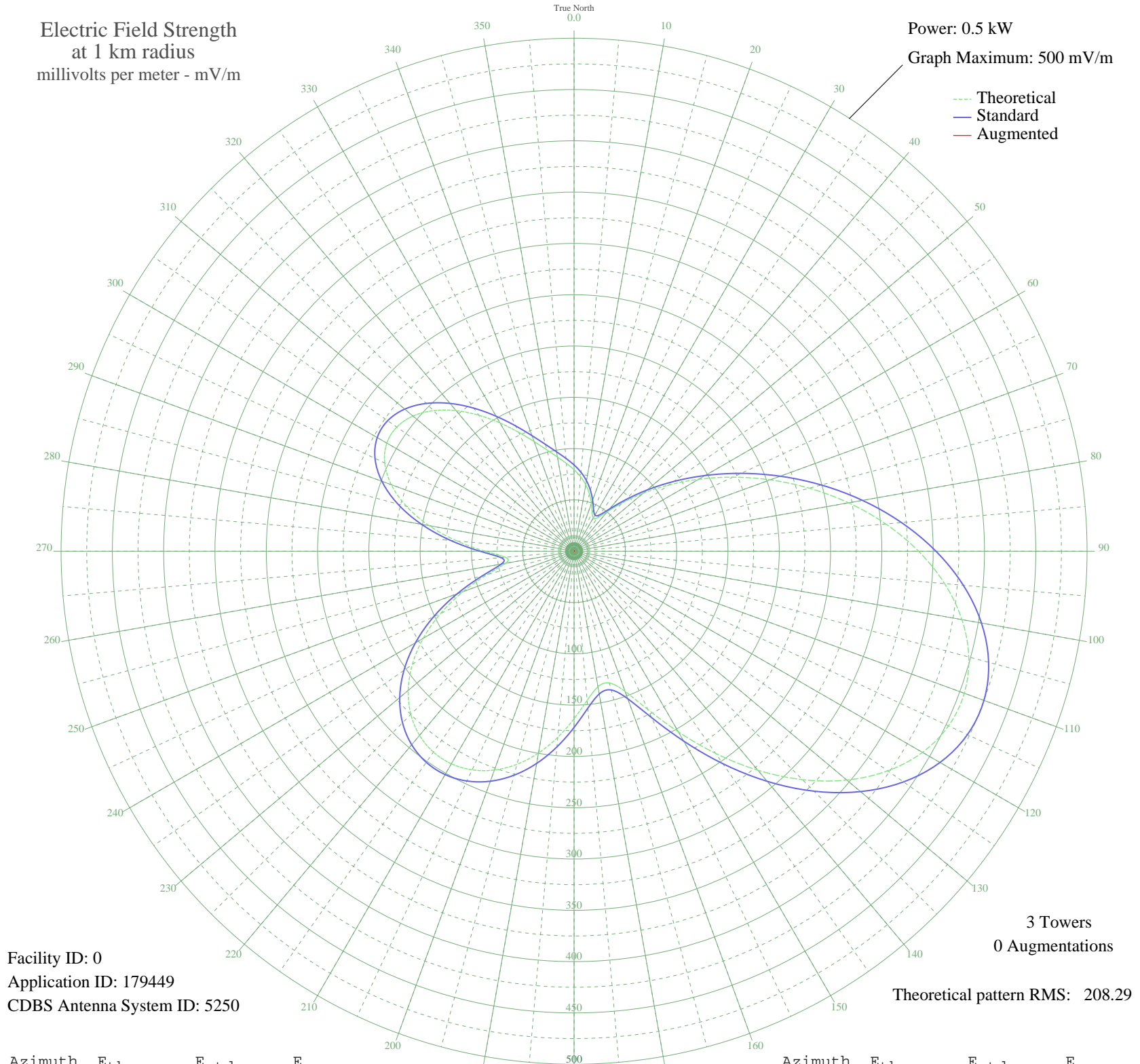


# WFGW BLACK MOUNTAIN, NC BL-19921202AB 1010 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 0  
Application ID: 179449  
CDBS Antenna System ID: 5250

3 Towers  
0 Augmentations

Theoretical pattern RMS: 208.29

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	79.44	84.07	
5	72.88	77.24	
10	65.69	69.77	
15	57.72	61.51	
20	49.34	52.86	
25	41.72	45.05	
30	37.40	40.65	
35	39.83	43.12	
40	50.17	53.72	
45	66.71	70.83	
50	87.76	92.75	
55	112.44	118.53	
60	140.24	147.63	
65	170.74	179.59	
70	203.38	213.81	
75	237.36	249.45	
80	271.65	285.42	
85	304.94	320.36	
90	335.77	352.71	
95	362.58	380.85	
100	383.86	403.19	
105	398.26	418.30	
110	404.76	425.13	
115	402.74	423.01	
120	392.08	411.82	
125	373.19	391.99	
130	346.99	364.49	
135	314.86	330.77	
140	278.64	292.76	
145	240.54	252.78	
150	203.27	213.69	
155	170.18	179.00	
160	145.39	153.02	
165	132.95	139.99	
170	134.16	141.26	
175	145.94	153.60	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	163.25	171.73	
185	182.02	191.41	
190	199.75	210.00	
195	215.00	226.00	
200	226.96	238.54	
205	235.13	247.11	
210	239.22	251.40	
215	238.99	251.16	
220	234.28	246.22	
225	224.97	236.45	
230	211.01	221.81	
235	192.50	202.40	
240	169.75	178.55	
245	143.46	151.00	
250	115.02	121.23	
255	87.46	92.43	
260	67.75	71.91	
265	67.25	71.39	
270	86.68	91.61	
275	114.66	120.85	
280	143.41	150.95	
285	169.09	177.86	
290	189.58	199.34	
295	203.65	214.09	
300	210.76	221.55	
305	211.00	221.79	
310	204.97	215.47	
315	193.76	203.72	
320	178.82	188.05	
325	161.78	170.20	
330	144.32	151.90	
335	127.93	134.74	
340	113.72	119.87	
345	102.20	107.82	
350	93.18	98.40	
355	85.91	90.82	

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.

28 Sep 2008

Prepared by Audio Division, Media Bureau  
Federal Communications Commission