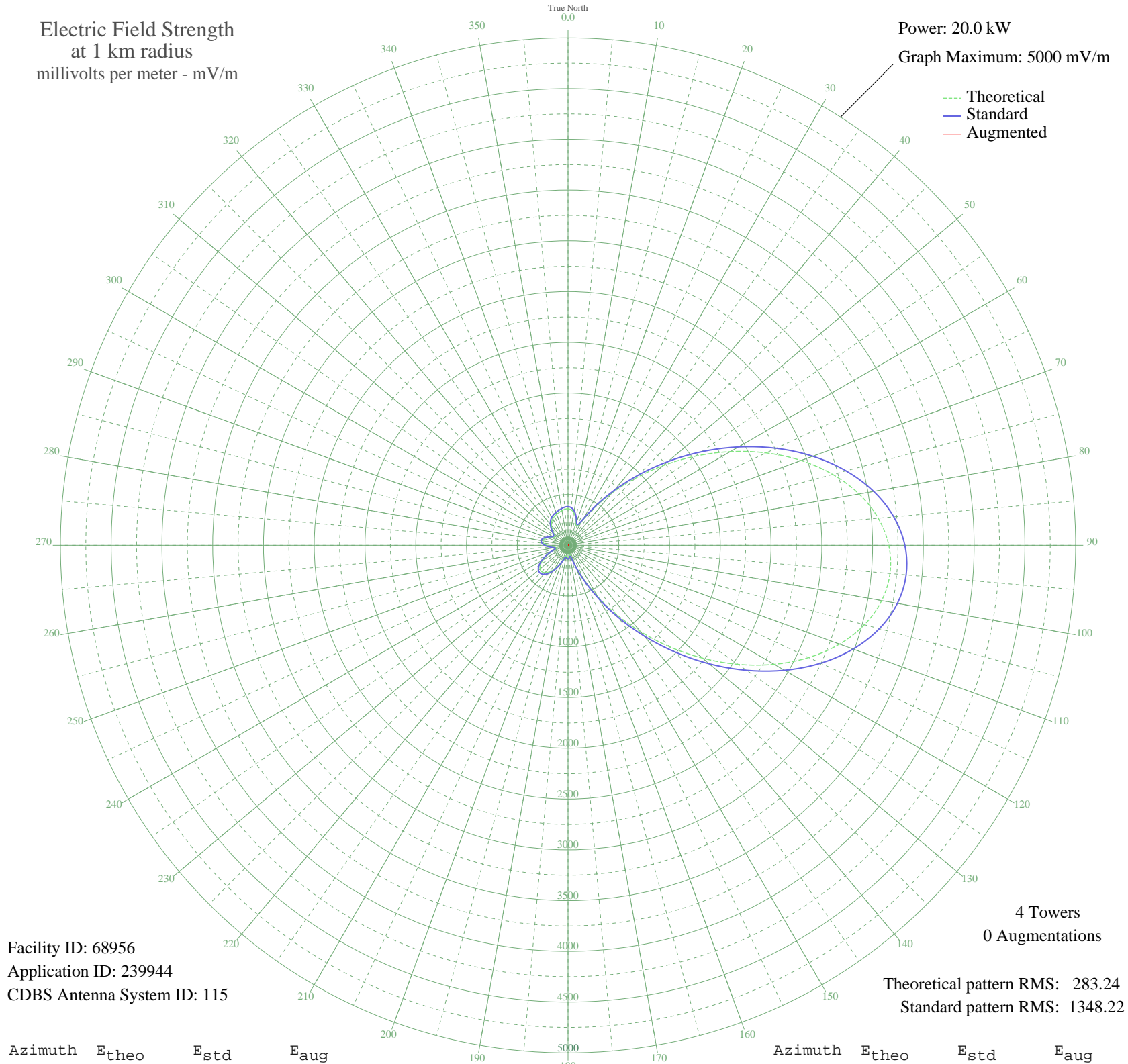


WVNJ OAKLAND, NJ BL-19970130AD 1160 kHz

Daytime

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

Power: 20.0 kW
Graph Maximum: 5000 mV/m



Facility ID: 68956
Application ID: 239944
CDBS Antenna System ID: 115

Theoretical pattern RMS: 283.24
Standard pattern RMS: 1348.22

Azimuth	E _{theo}	E _{std}	E _{aug}
0	359.92	380.82	
5	351.53	372.08	
10	326.53	346.05	
15	283.33	301.18	
20	230.73	246.78	
25	208.76	224.17	
30	282.49	300.30	
35	447.00	471.69	
40	668.94	703.96	
45	930.87	978.54	
50	1221.49	1283.42	
55	1530.08	1607.27	
60	1845.02	1937.84	
65	2153.70	2261.87	
70	2442.90	2565.47	
75	2699.47	2834.83	
80	2911.13	3057.05	
85	3067.29	3221.00	
90	3159.81	3318.13	
95	3183.65	3343.16	
100	3137.27	3294.47	
105	3022.86	3174.35	
110	2846.16	2988.83	
115	2616.11	2747.32	
120	2344.22	2461.88	
125	2043.71	2146.41	
130	1728.60	1815.64	
135	1412.79	1484.17	
140	1109.18	1165.58	
145	829.03	871.74	
150	581.57	612.45	
155	374.10	395.60	
160	213.48	229.02	
165	112.78	127.39	
170	93.62	108.94	
175	112.94	127.55	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	121.09	135.54	
185	113.37	127.97	
190	103.55	118.44	
195	115.37	129.92	
200	156.48	170.89	
205	212.50	228.01	
210	269.50	286.84	
215	318.19	337.38	
220	352.07	372.64	
225	366.73	387.92	
230	359.83	380.73	
235	331.28	351.00	
240	283.54	301.40	
245	222.19	237.98	
250	158.02	172.44	
255	114.48	129.05	
260	123.57	137.98	
265	167.81	182.35	
270	212.31	227.82	
275	242.07	258.47	
280	251.93	268.66	
285	241.83	258.23	
290	215.94	231.54	
295	183.14	197.95	
300	158.19	172.61	
305	157.37	171.78	
310	182.15	196.94	
315	218.47	234.15	
320	253.78	270.57	
325	282.03	299.83	
330	302.01	320.56	
335	315.57	334.66	
340	326.02	345.53	
345	336.30	356.22	
350	347.21	367.58	
355	356.61	377.37	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission