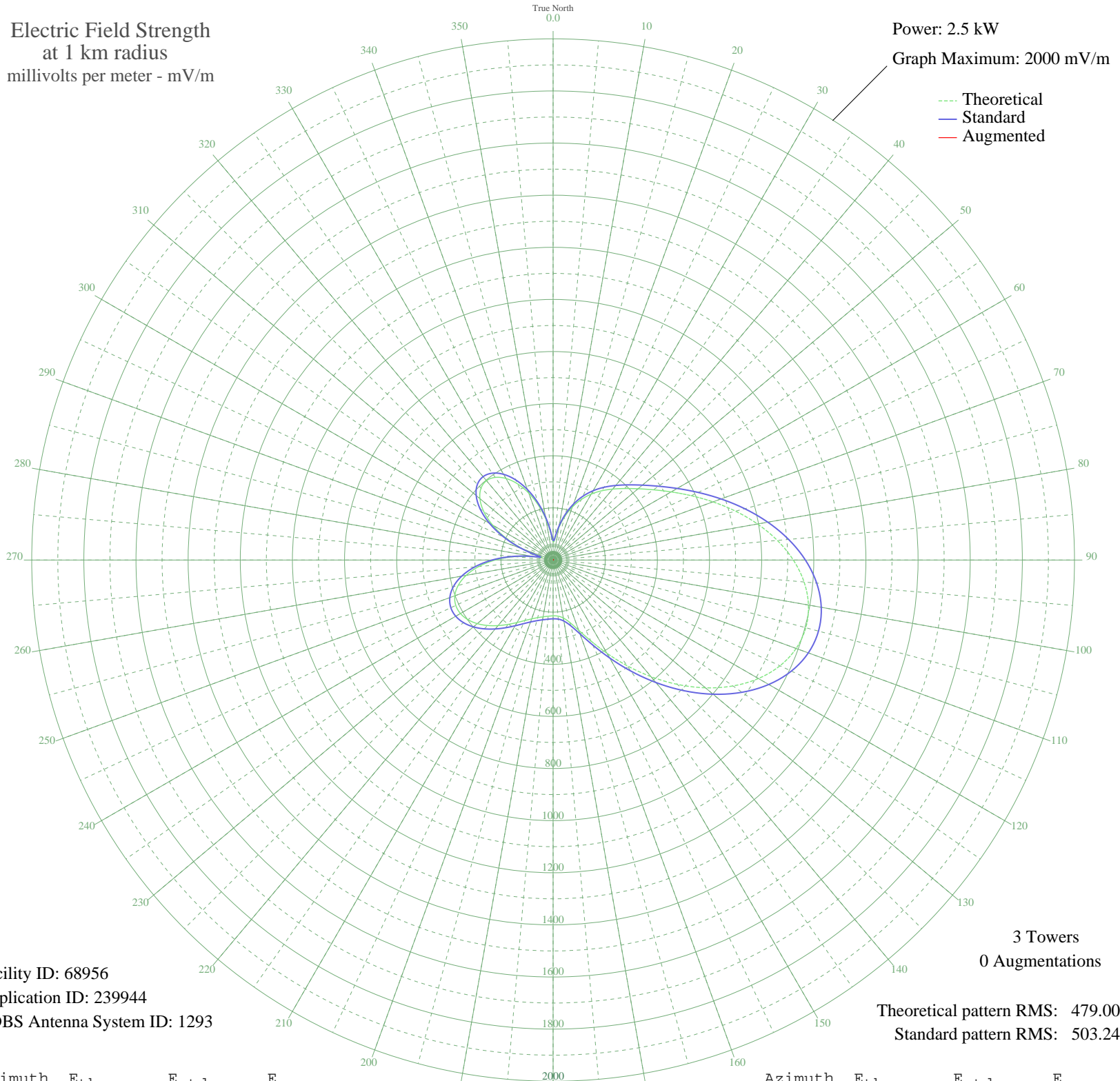


WVNJ OAKLAND, NJ BL-19970130AD 1160 kHz

Nighttime

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

Power: 2.5 kW  
Graph Maximum: 2000 mV/m



Facility ID: 68956  
Application ID: 239944  
CDBS Antenna System ID: 1293

3 Towers  
0 Augmentations

Theoretical pattern RMS: 479.00  
Standard pattern RMS: 503.24

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	69.51	74.98	
5	83.05	88.88	
10	125.71	133.11	
15	172.60	182.04	
20	216.79	228.28	
25	256.56	269.93	
30	291.98	307.06	
35	324.22	340.86	
40	355.35	373.52	
45	388.11	407.88	
50	425.46	447.06	
55	469.92	493.72	
60	522.94	549.36	
65	584.40	613.86	
70	652.62	685.47	
75	724.57	761.00	
80	796.34	836.33	
85	863.51	906.84	
90	921.60	967.83	
95	966.46	1014.93	
100	994.63	1044.51	
105	1003.62	1053.94	
110	992.15	1041.90	
115	960.30	1008.46	
120	909.49	955.12	
125	842.39	884.68	
130	762.73	801.05	
135	674.99	708.95	
140	584.09	613.53	
145	495.11	520.15	
150	412.98	433.97	
155	342.25	359.78	
160	286.63	301.45	
165	248.09	261.06	
170	225.82	237.74	
175	216.10	227.56	

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.

03 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	214.16	225.53	
185	216.40	227.87	
190	221.28	232.97	
195	228.91	240.97	
200	240.27	252.87	
205	256.22	269.58	
210	276.91	291.26	
215	301.51	317.05	
220	328.38	345.22	
225	355.28	373.44	
230	379.68	399.03	
235	398.94	419.24	
240	410.47	431.34	
245	411.90	432.83	
250	401.22	421.63	
255	377.04	396.27	
260	338.73	356.08	
265	286.60	301.42	
270	222.14	233.88	
275	148.32	156.68	
280	72.51	78.05	
285	50.53	55.77	
290	121.04	128.25	
295	198.30	208.92	
300	267.85	281.77	
305	324.89	341.57	
310	366.44	385.15	
315	390.80	410.70	
320	397.49	417.72	
325	387.13	406.85	
330	361.34	379.80	
335	322.47	339.03	
340	273.45	287.64	
345	217.66	229.19	
350	159.13	167.97	
355	104.19	110.74	