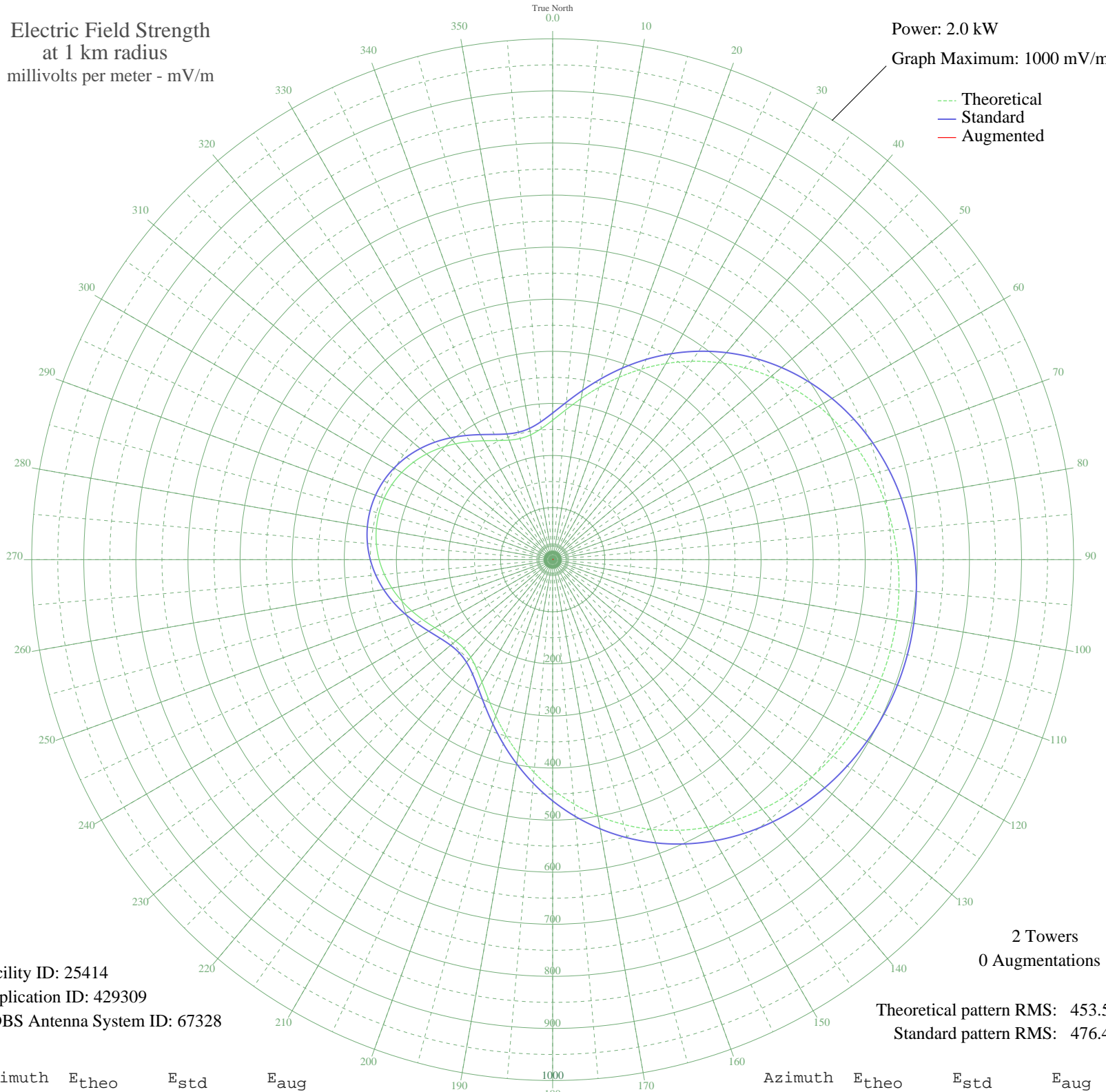


WTOC NEWTON, NJ BL-19991223AAO 1360 kHz

Daytime

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

Power: 2.0 kW
Graph Maximum: 1000 mV/m



Facility ID: 25414
Application ID: 429309
CDBS Antenna System ID: 67328

2 Towers
0 Augmentations

Theoretical pattern RMS: 453.50
Standard pattern RMS: 476.40

Azimuth	E _{theo}	E _{std}	E _{aug}
0	267.74	281.52	
5	288.67	303.46	
10	313.95	329.98	
15	342.32	359.75	
20	372.58	391.49	
25	403.67	424.11	
30	434.71	456.69	
35	464.99	488.46	
40	493.93	518.84	
45	521.10	547.36	
50	546.20	573.70	
55	569.01	597.65	
60	589.42	619.07	
65	607.38	637.93	
70	622.93	654.24	
75	636.11	668.08	
80	647.03	679.55	
85	655.79	688.74	
90	662.51	695.79	
95	667.28	700.80	
100	670.18	703.84	
105	671.25	704.97	
110	670.54	704.22	
115	668.00	701.56	
120	663.62	696.96	
125	657.30	690.32	
130	648.95	681.56	
135	638.47	670.56	
140	625.75	657.21	
145	610.68	641.39	
150	593.21	623.04	
155	573.29	602.13	
160	550.95	578.69	
165	526.30	552.81	
170	499.52	524.70	
175	470.90	494.67	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	440.85	463.13	
185	409.91	430.66	
190	378.76	397.98	
195	348.26	365.98	
200	319.42	335.72	
205	293.41	308.44	
210	271.52	285.48	
215	254.95	268.11	
220	244.62	257.28	
225	240.83	253.31	
230	243.12	255.71	
235	250.39	263.33	
240	261.18	274.64	
245	274.04	288.12	
250	287.68	302.43	
255	301.08	316.48	
260	313.46	329.47	
265	324.26	340.80	
270	333.08	350.04	
275	339.62	356.91	
280	343.72	361.21	
285	345.27	362.84	
290	344.24	361.75	
295	340.64	357.98	
300	334.57	351.62	
305	326.20	342.83	
310	315.77	331.89	
315	303.66	319.19	
320	290.41	305.29	
325	276.74	290.96	
330	263.63	277.21	
335	252.32	265.35	
340	244.22	256.86	
345	240.83	253.31	
350	243.34	255.94	
355	252.37	265.40	

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission