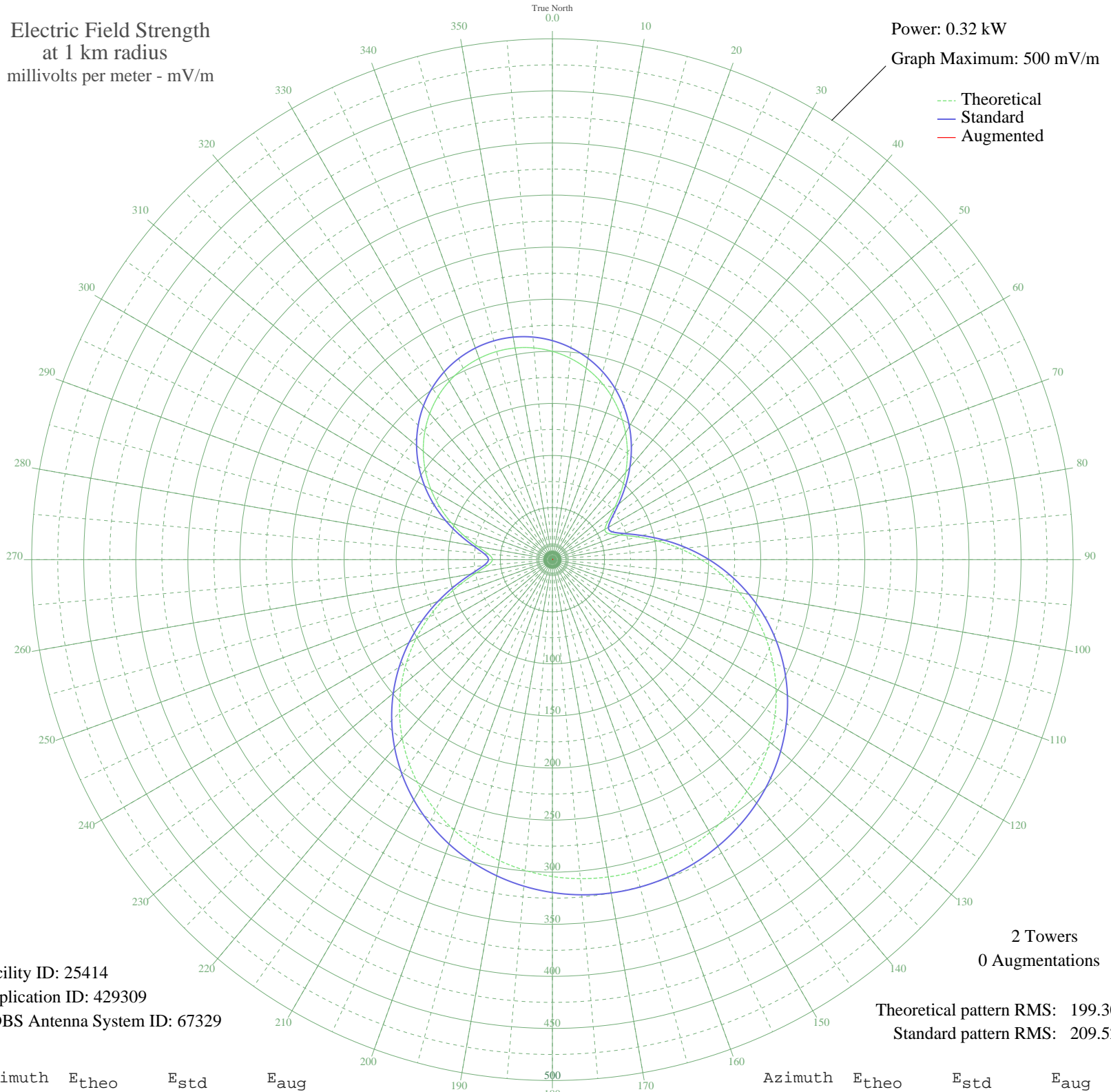


WTOC NEWTON, NJ BL-19991223AAO 1360 kHz

Nighttime

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

Power: 0.32 kW
Graph Maximum: 500 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 25414
Application ID: 429309
CDBS Antenna System ID: 67329

2 Towers
0 Augmentations

Theoretical pattern RMS: 199.30
Standard pattern RMS: 209.52

Azimuth	E _{theo}	E _{std}	E _{aug}
0	199.99	210.26	
5	194.20	204.18	
10	186.68	196.29	
15	177.47	186.64	
20	166.62	175.27	
25	154.24	162.29	
30	140.46	147.85	
35	125.50	132.19	
40	109.71	115.67	
45	93.66	98.90	
50	78.34	82.92	
55	65.56	69.63	
60	58.25	62.06	
65	59.42	63.26	
70	69.09	73.30	
75	84.50	89.34	
80	102.95	108.61	
85	122.78	129.34	
90	142.97	150.49	
95	162.93	171.40	
100	182.23	191.63	
105	200.58	210.87	
110	217.75	228.88	
115	233.59	245.50	
120	248.00	260.61	
125	260.91	274.15	
130	272.28	286.08	
135	282.10	296.39	
140	290.39	305.09	
145	297.17	312.20	
150	302.46	317.76	
155	306.29	321.78	
160	308.69	324.30	
165	309.68	325.33	
170	309.26	324.89	
175	307.42	322.97	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	304.17	319.55	
185	299.46	314.61	
190	293.28	308.13	
195	285.60	300.07	
200	276.39	290.40	
205	265.64	279.12	
210	253.35	266.22	
215	239.53	251.73	
220	224.25	235.70	
225	207.60	218.23	
230	189.70	199.46	
235	170.75	179.60	
240	151.01	158.91	
245	130.85	137.79	
250	110.79	116.80	
255	91.63	96.78	
260	74.74	79.17	
265	62.39	66.35	
270	57.61	61.39	
275	61.78	65.71	
280	72.78	77.14	
285	87.36	92.33	
290	103.27	108.95	
295	119.25	125.66	
300	134.60	141.72	
305	148.88	156.68	
310	161.85	170.26	
315	173.32	182.29	
320	183.19	192.64	
325	191.40	201.24	
330	197.88	208.04	
335	202.63	213.02	
340	205.63	216.16	
345	206.86	217.46	
350	206.33	216.90	
355	204.04	214.50	

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