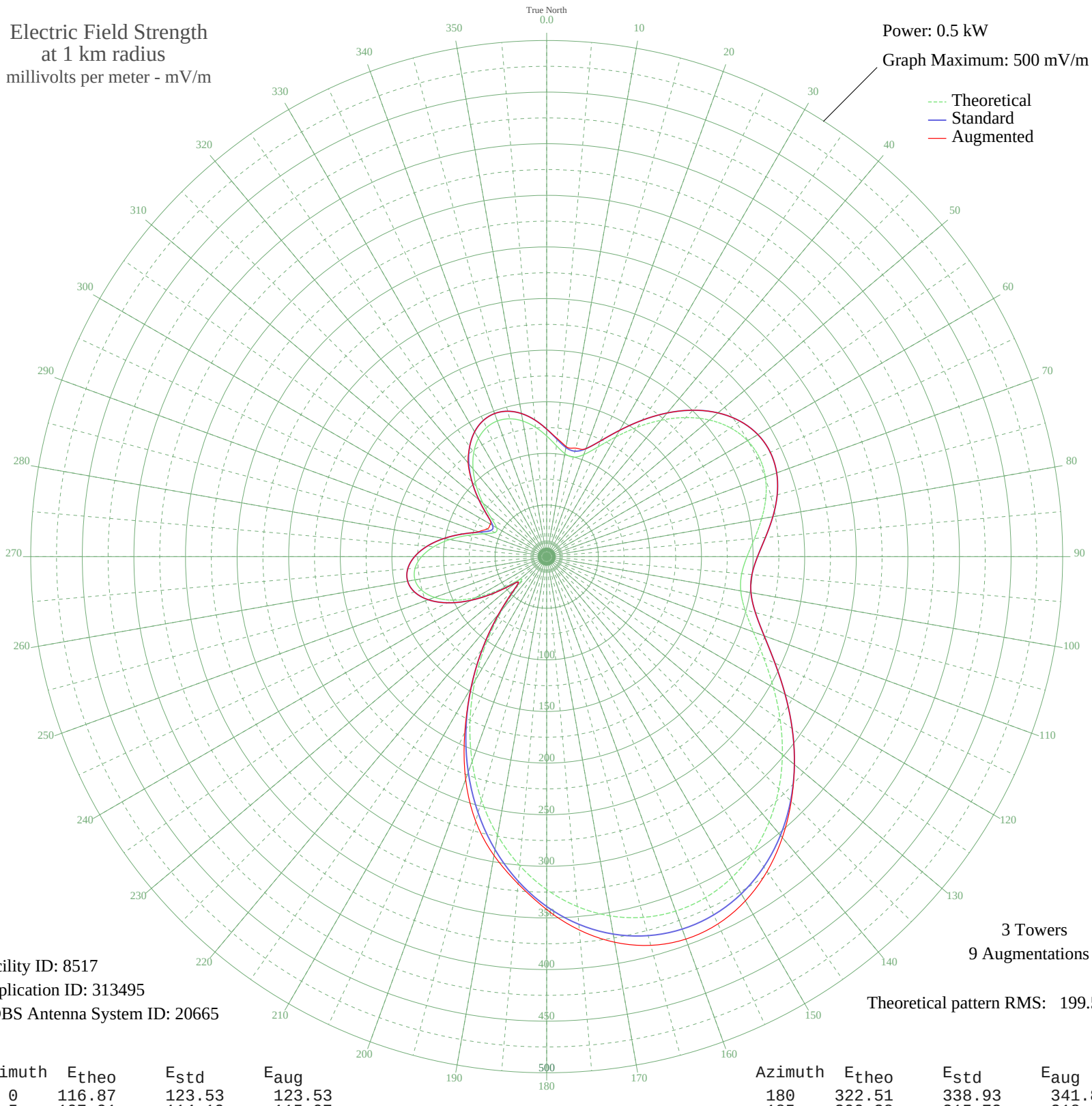
WFNW NAUGATUCK, CT BL-- 1380 kHz

Nighttime

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



Power: 0.5 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

3 Towers
9 Augmentations

Facility ID: 8517
Application ID: 313495
CDBS Antenna System ID: 20665

Theoretical pattern RMS: 199.56

Azimuth	E_{theo}	E_{std}	E_{aug}
0	116.87	123.53	123.53
5	107.91	114.19	115.07
10	101.35	107.35	108.29
15	99.82	105.77	108.84
20	105.14	111.30	111.30
25	117.10	123.77	123.77
30	133.85	141.26	141.26
35	153.03	161.31	161.31
40	172.51	181.69	181.69
45	190.57	200.60	200.60
50	205.89	216.65	216.65
55	217.48	228.79	228.79
60	224.71	236.37	236.37
65	227.33	239.11	239.11
70	225.49	237.19	237.19
75	219.84	231.26	231.26
80	211.51	222.53	222.53
85	202.20	212.78	212.78
90	194.12	204.32	204.32
95	189.69	199.67	199.67
100	190.98	201.02	201.02
105	198.96	209.38	209.38
110	213.17	224.28	224.28
115	232.08	244.10	244.10
120	253.73	266.80	266.80
125	276.27	290.43	290.43
130	298.15	313.38	313.38
135	318.16	334.37	335.17
140	335.38	352.44	355.27
145	349.14	366.87	372.30
150	358.95	377.16	385.06
155	364.46	382.94	392.60
160	365.44	383.97	394.29
165	361.75	380.10	389.83
170	353.34	371.28	379.30
175	340.22	357.52	363.09
180	322.51	338.93	341.88
185	300.38	315.72	318.14
190	274.15	288.20	293.94
195	244.23	256.84	265.55
200	211.21	222.22	229.61
205	175.79	185.13	187.80
210	138.93	146.56	146.56
215	101.85	107.88	108.12
220	66.59	71.34	71.94
225	38.59	42.92	43.18
230	35.13	39.51	39.68
235	55.59	60.06	60.58
240	79.29	84.45	84.47
245	99.87	105.81	105.81
250	115.51	122.11	122.11
255	125.50	132.53	132.53
260	129.61	136.83	136.83
265	128.01	135.15	135.15
270	121.17	128.01	128.01
275	109.90	116.26	116.26
280	95.41	101.18	101.18
285	79.43	84.60	84.60
290	64.67	69.37	70.42
295	55.40	59.87	63.46
300	55.96	60.44	62.94
305	65.90	70.63	70.63
310	80.65	85.86	85.86
315	96.41	102.22	102.22
320	111.00	117.41	118.51
325	123.20	130.13	130.13
330	132.30	139.63	139.63
335	137.90	145.48	145.48
340	139.85	147.53	147.53
345	138.24	145.84	145.84
350	133.38	140.77	140.77
355	125.91	132.96	132.96

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.

27 Jun 2009

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Federal Communications Commission