

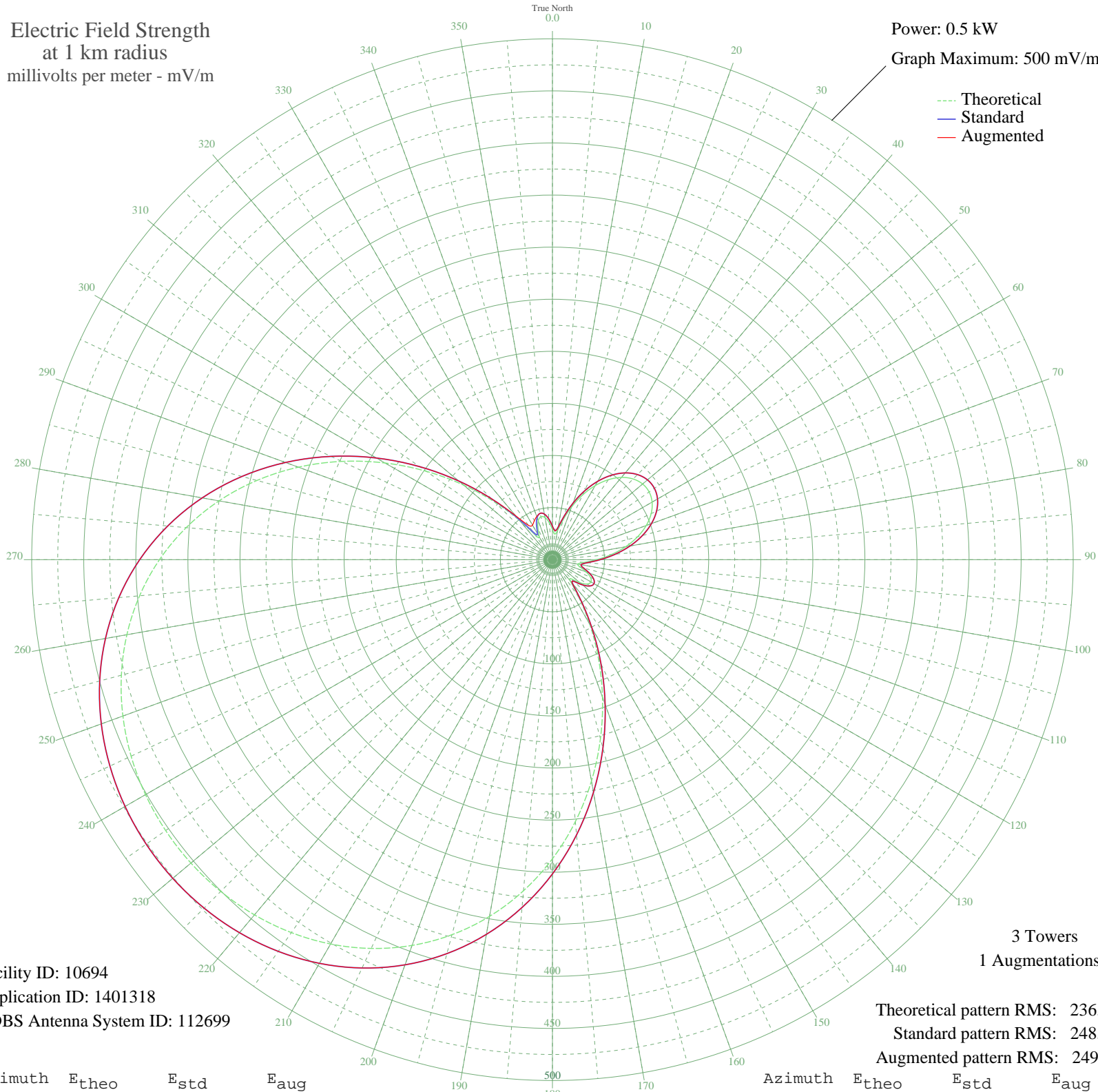
WCHK CANTON, GA 8L-20100518AFC 1290 kHz

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



Facility ID: 10694
Application ID: 1401318
CDBS Antenna System ID: 112699

3 Towers
1 Augmentations

Theoretical pattern RMS: 236.90
Standard pattern RMS: 248.90
Augmented pattern RMS: 249.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	28.89	32.10	32.10
5	24.61	27.89	27.89
10	28.53	31.75	31.75
15	39.77	43.06	43.06
20	53.95	57.62	57.62
25	68.50	72.69	72.69
30	82.05	86.79	86.79
35	93.75	99.00	99.00
40	103.05	108.71	108.71
45	109.55	115.51	115.51
50	113.02	119.14	119.14
55	113.34	119.47	119.47
60	110.49	116.49	116.49
65	104.58	110.31	110.31
70	95.82	101.16	101.16
75	84.56	89.40	89.40
80	71.32	75.62	75.62
85	56.89	60.65	60.65
90	42.48	45.83	45.83
95	30.35	33.55	33.55
100	24.63	27.91	27.91
105	27.63	30.85	30.85
110	34.47	37.68	37.68
115	40.27	43.57	43.57
120	42.69	46.04	46.04
125	40.73	44.03	44.03
130	34.43	37.64	37.64
135	26.40	29.64	29.64
140	26.83	30.07	30.07
145	44.15	47.53	47.53
150	71.63	75.94	75.94
155	104.49	110.21	110.21
160	140.49	147.89	147.89
165	178.03	187.23	187.23
170	215.75	226.78	226.78
175	252.45	265.28	265.28

Azimuth	E _{theo}	E _{std}	E _{aug}
180	287.15	301.69	301.69
185	319.07	335.19	335.19
190	347.70	365.24	365.24
195	372.73	391.51	391.51
200	394.08	413.91	413.91
205	411.79	432.50	432.50
210	426.03	447.46	447.46
215	437.05	459.02	459.02
220	445.10	467.47	467.47
225	450.39	473.03	473.03
230	453.12	475.89	475.89
235	453.36	476.14	476.14
240	451.14	473.81	473.81
245	446.37	468.80	468.80
250	438.89	460.96	460.96
255	428.49	450.03	450.03
260	414.90	435.78	435.78
265	397.90	417.93	417.93
270	377.30	396.30	396.30
275	353.00	370.80	370.80
280	325.07	341.49	341.49
285	293.77	308.64	308.64
290	259.58	272.76	272.76
295	223.21	234.60	234.60
300	185.60	195.17	195.17
305	147.92	155.67	155.67
310	111.49	117.53	117.53
315	77.86	82.42	82.52
320	49.05	52.57	55.02
325	29.08	32.28	40.29
330	25.30	28.57	38.29
335	32.79	35.99	41.21
340	39.79	43.07	44.06
345	42.67	46.01	46.01
350	41.07	44.38	44.38
355	35.81	39.04	39.04

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.

15 Feb 2012

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