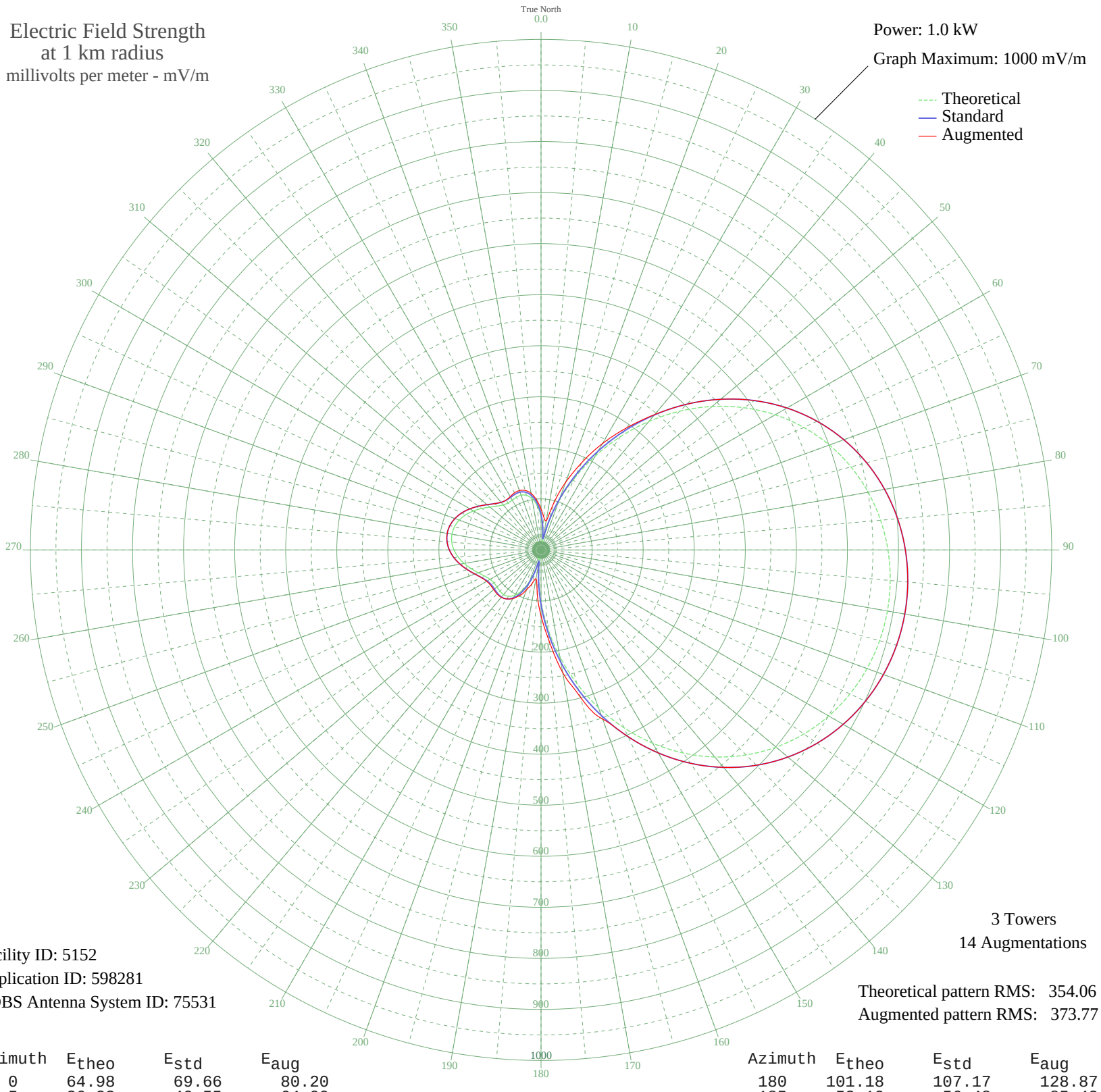
WYFQ CHARLOTTE, NC BML-20020312AAV 930 kHz

Nighttime

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



Power: 1.0 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

3 Towers
14 Augmentations

Facility ID: 5152
Application ID: 598281
CDBS Antenna System ID: 75531

Theoretical pattern RMS: 354.06
Augmented pattern RMS: 373.77

Azimuth	E_{theo}	E_{std}	E_{aug}
0	64.98	69.66	80.20
5	36.23	40.55	64.00
10	16.40	22.22	57.94
15	52.10	56.48	92.84
20	101.18	107.17	141.14
25	155.31	163.68	188.70
30	212.37	223.43	240.56
35	270.61	284.49	291.84
40	328.40	345.11	346.13
45	384.28	403.74	403.74
50	437.00	459.07	459.07
55	485.60	510.08	510.08
60	529.37	556.02	556.02
65	567.87	596.43	596.43
70	600.89	631.10	631.10
75	628.42	659.99	659.99
80	650.55	683.22	683.22
85	667.46	700.98	700.98
90	679.36	713.47	713.47
95	686.42	720.88	720.88
100	688.76	723.33	723.33
105	686.42	720.88	720.88
110	679.36	713.47	713.47
115	667.46	700.98	700.98
120	650.55	683.22	683.22
125	628.42	659.99	659.99
130	600.90	631.10	631.10
135	567.87	596.43	596.43
140	529.37	556.02	556.02
145	485.60	510.08	510.08
150	437.00	459.07	459.07
155	384.28	403.74	403.74
160	328.40	345.11	352.65
165	270.61	284.49	298.93
170	212.37	223.43	243.81
175	155.31	163.68	178.17

Azimuth	E_{theo}	E_{std}	E_{aug}
180	101.18	107.17	128.87
185	52.10	56.48	85.42
190	16.40	22.22	57.12
195	36.23	40.55	68.41
200	64.98	69.66	82.82
205	87.17	92.59	98.45
210	102.20	108.23	110.15
215	110.73	117.12	117.17
220	114.05	120.57	121.13
225	113.95	120.47	121.79
230	112.67	119.14	120.98
235	112.49	118.94	120.73
240	115.18	121.75	122.91
245	121.42	128.26	128.66
250	130.67	137.92	137.93
255	141.60	149.34	149.34
260	152.71	160.96	160.96
265	162.67	171.38	171.38
270	170.48	179.55	179.55
275	175.43	184.73	184.73
280	177.12	186.51	186.51
285	175.43	184.73	184.73
290	170.48	179.55	179.55
295	162.67	171.38	171.38
300	152.71	160.96	160.96
305	141.60	149.34	149.34
310	130.67	137.92	137.92
315	121.42	128.26	128.26
320	115.18	121.75	121.75
325	112.49	118.94	119.21
330	112.67	119.14	120.71
335	113.95	120.47	123.31
340	114.05	120.57	123.70
345	110.73	117.12	120.72
350	102.20	108.23	112.62
355	87.17	92.59	97.97

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.

06 Nov 2009

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