

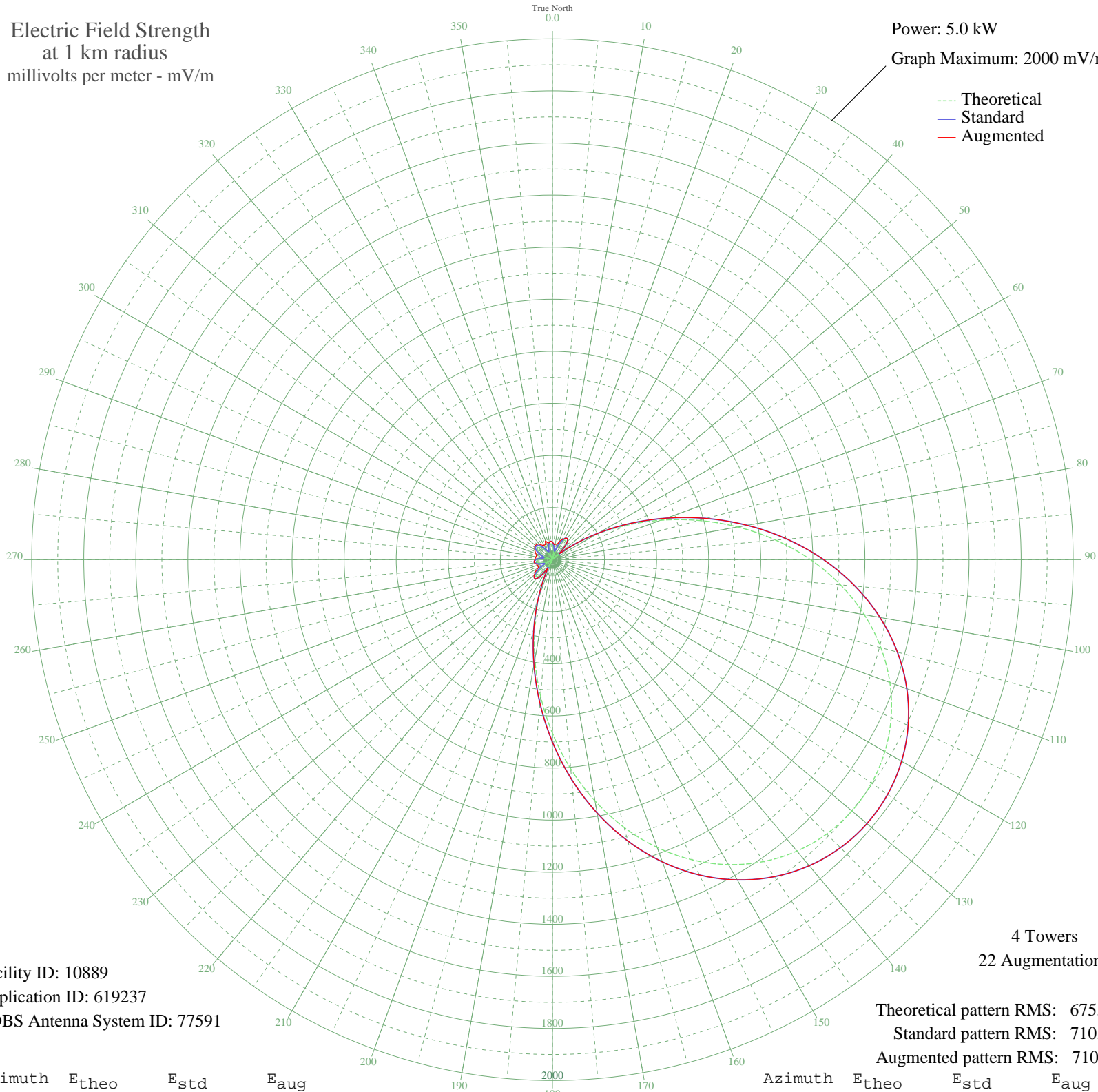
WGFY CHARLOTTE, NC BL-20021114ACU 1480 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 10889
Application ID: 619237
CDBS Antenna System ID: 77591

4 Towers
22 Augmentations

Theoretical pattern RMS: 675.90
Standard pattern RMS: 710.40
Augmented pattern RMS: 710.90

Azimuth	E _{theo}	E _{std}	E _{aug}
0	55.95	67.14	67.14
5	42.38	55.11	60.26
10	20.60	39.04	59.68
15	7.00	33.32	61.05
20	36.73	50.44	69.74
25	63.88	74.53	85.05
30	83.14	93.15	93.15
35	89.22	99.16	99.16
40	77.44	87.56	87.64
45	44.30	56.74	56.91
50	12.04	34.87	38.71
55	91.53	101.45	101.45
60	192.29	204.50	204.50
65	310.79	327.95	327.95
70	442.33	465.58	465.58
75	581.49	611.42	611.42
80	722.74	759.57	759.57
85	860.88	904.51	904.51
90	991.40	1041.48	1041.48
95	1110.69	1166.67	1166.67
100	1216.09	1277.31	1277.31
105	1305.87	1371.55	1371.55
110	1379.05	1448.36	1448.36
115	1435.18	1507.29	1507.29
120	1474.21	1548.26	1548.26
125	1496.21	1571.35	1571.35
130	1501.27	1576.67	1576.67
135	1489.44	1564.25	1564.25
140	1460.65	1534.03	1534.03
145	1414.78	1485.88	1485.88
150	1351.81	1419.77	1419.77
155	1271.91	1335.91	1335.91
160	1175.73	1234.94	1234.94
165	1064.51	1118.21	1118.21
170	940.36	987.92	987.92
175	806.31	847.25	847.25

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.

24 Aug 2008

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	666.33	700.40	700.40
185	525.27	552.49	552.49
190	388.49	409.20	409.20
195	261.54	276.54	276.54
200	149.63	160.44	160.44
205	57.04	68.14	68.44
210	13.32	35.38	40.55
215	60.27	71.14	71.14
220	84.55	94.54	94.54
225	88.69	98.64	98.64
230	76.73	86.87	90.93
235	53.66	65.05	79.66
240	24.87	41.69	64.37
245	4.53	32.85	61.16
250	30.17	45.39	61.16
255	48.88	60.75	64.37
260	58.80	69.77	69.77
265	59.43	70.35	70.46
270	51.44	63.04	66.99
275	36.45	50.21	65.92
280	16.69	36.92	64.23
285	5.33	32.98	63.67
290	27.08	43.19	67.90
295	46.25	58.44	72.98
300	60.93	71.76	78.08
305	69.71	80.09	83.28
310	71.79	82.08	85.28
315	66.97	77.47	84.01
320	55.70	66.91	77.82
325	39.03	52.30	67.82
330	18.57	37.90	63.96
335	3.58	32.72	64.12
340	25.01	41.78	76.63
345	43.15	55.76	65.98
350	55.58	66.80	66.80
355	60.27	71.14	71.14