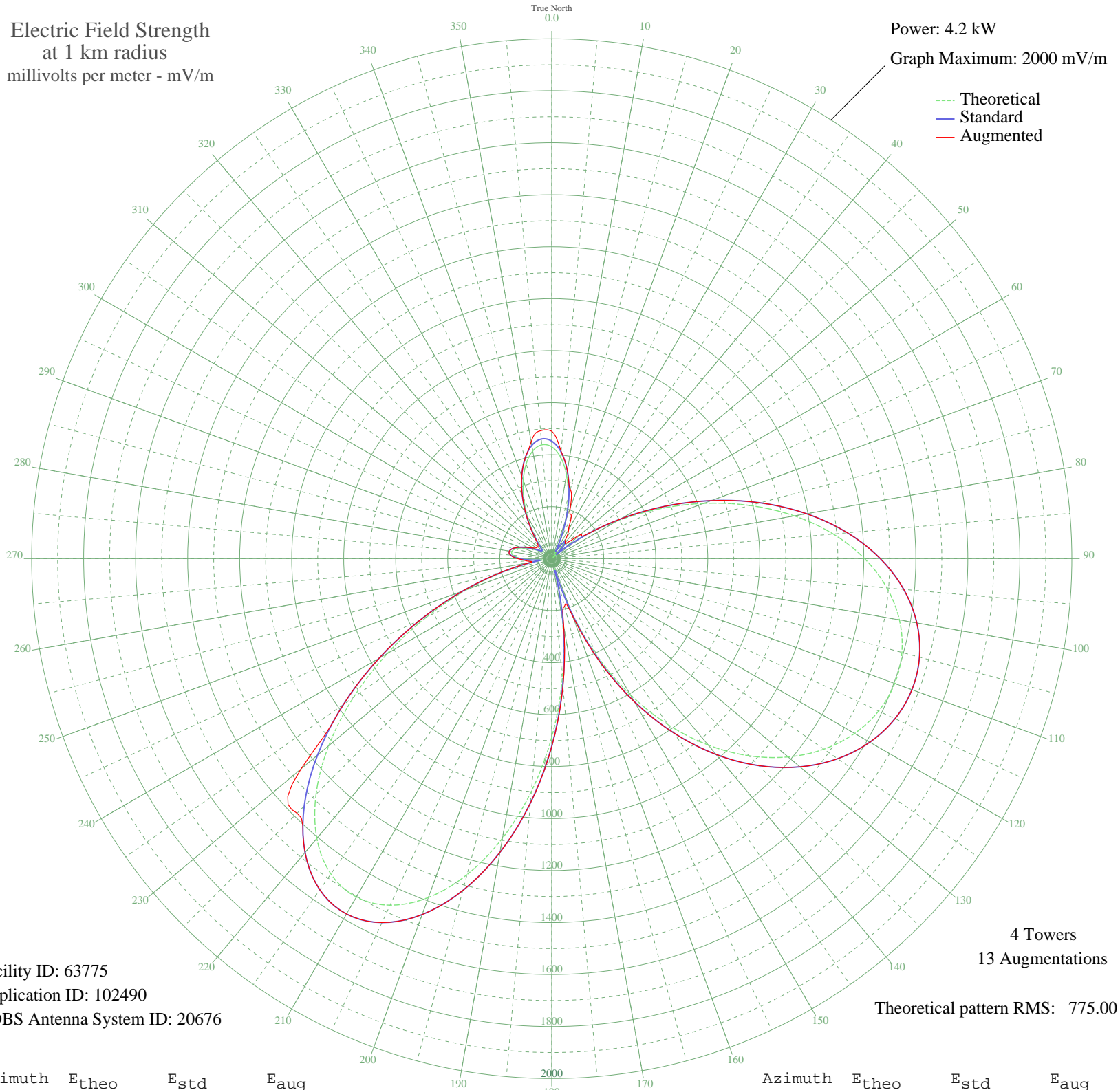


WAOK ATLANTA, GA BL-19870623AE 1380 kHz

Nighttime

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

Power: 4.2 kW
Graph Maximum: 2000 mV/m



Facility ID: 63775
Application ID: 102490
CDBS Antenna System ID: 20676

4 Towers
13 Augmentations
Theoretical pattern RMS: 775.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	430.25	452.27	490.00
5	391.85	412.01	414.50
10	327.09	344.12	344.12
15	242.87	255.92	275.60
20	149.71	158.66	208.79
25	61.64	68.21	177.79
30	28.06	36.48	130.16
35	66.72	73.29	98.21
40	74.77	81.41	81.41
45	41.83	48.91	91.69
50	34.24	41.90	142.85
55	146.46	155.28	159.01
60	288.84	304.05	304.05
65	450.86	473.89	473.89
70	621.42	652.85	652.85
75	789.97	829.74	829.74
80	947.43	995.03	995.03
85	1086.78	1141.33	1141.33
90	1203.23	1263.58	1263.58
95	1293.94	1358.81	1358.81
100	1357.63	1425.67	1425.67
105	1394.08	1463.94	1463.94
110	1403.66	1474.00	1474.00
115	1387.02	1456.53	1456.53
120	1344.83	1412.23	1412.23
125	1277.80	1341.86	1341.86
130	1186.69	1246.21	1246.21
135	1072.40	1126.22	1126.22
140	936.10	983.14	983.14
145	779.29	818.53	818.97
150	603.85	634.41	636.44
155	412.17	433.31	438.91
160	207.74	219.19	234.07
165	39.52	46.74	189.79
170	239.49	252.38	265.41
175	464.37	488.06	493.04

Azimuth	E _{theo}	E _{std}	E _{aug}
180	686.78	721.44	723.22
185	898.97	944.17	944.54
190	1092.56	1147.39	1147.39
195	1258.39	1321.49	1321.49
200	1387.26	1456.78	1456.78
205	1470.87	1544.57	1544.57
210	1503.05	1578.35	1578.35
215	1480.85	1555.04	1555.04
220	1405.32	1475.74	1475.74
225	1281.82	1346.08	1385.09
230	1119.66	1175.84	1258.74
235	931.12	977.91	977.91
240	730.13	766.93	766.93
245	530.68	557.63	557.63
250	345.47	363.38	363.71
255	185.15	195.59	198.19
260	61.88	68.44	82.62
265	59.90	66.47	98.06
270	117.39	125.12	131.11
275	149.25	158.19	160.30
280	156.26	165.47	165.66
285	144.21	152.94	152.94
290	120.09	127.91	128.06
295	91.12	98.06	101.33
300	64.16	70.72	81.75
305	45.37	52.27	72.51
310	40.22	47.40	70.25
315	52.45	59.13	74.64
320	82.41	89.17	94.85
325	128.56	136.69	137.43
330	187.55	198.10	198.10
335	253.90	267.46	267.46
340	320.37	337.08	337.08
345	378.74	398.26	398.26
350	420.78	442.34	456.32
355	439.49	461.96	493.79

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