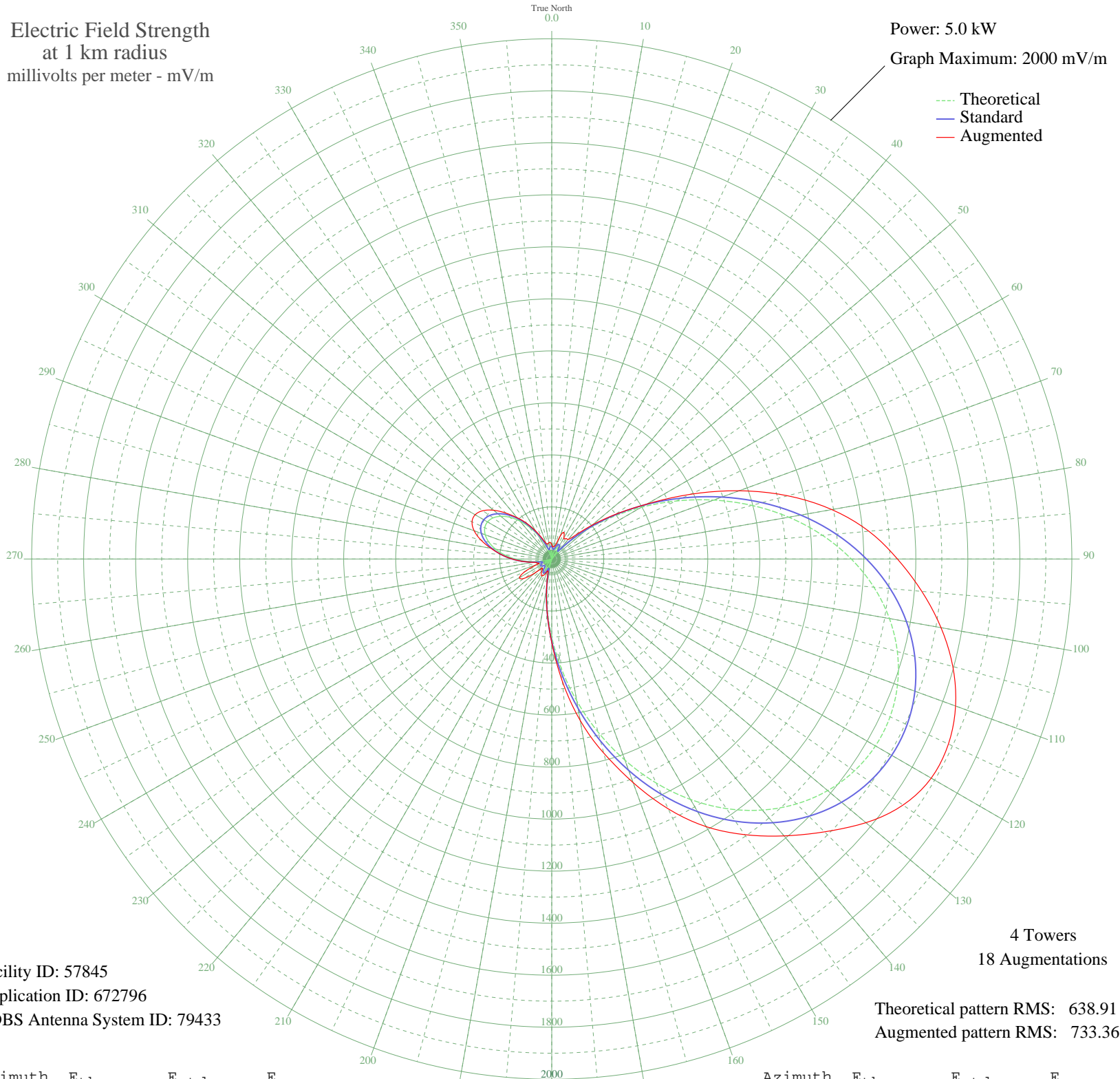


WDEF CHATTANOOGA, TN BML-20030716AEA 1370 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 57845
Application ID: 672796
CDBS Antenna System ID: 79433

4 Towers
18 Augmentations

Theoretical pattern RMS: 638.91
Augmented pattern RMS: 733.36

Azimuth	E _{theo}	E _{std}	E _{aug}
0	29.40	47.79	56.20
5	17.97	41.07	46.14
10	0.12	36.48	48.26
15	20.66	42.44	54.72
20	38.49	54.45	90.97
25	48.07	62.27	111.92
30	44.09	58.94	92.96
35	22.18	43.28	96.28
40	20.65	42.44	98.04
45	85.55	96.95	129.34
50	171.82	184.06	202.20
55	276.97	293.09	299.11
60	397.06	418.51	422.55
65	527.22	554.79	588.51
70	662.12	696.19	767.07
75	796.49	837.11	939.18
80	925.48	972.44	1093.71
85	1045.02	1097.88	1224.01
90	1151.85	1209.99	1329.36
95	1243.58	1306.27	1428.54
100	1318.60	1385.01	1520.00
105	1375.91	1445.16	1596.69
110	1414.94	1486.14	1652.54
115	1435.45	1507.66	1683.10
120	1437.31	1509.62	1684.95
125	1420.53	1492.00	1649.14
130	1385.19	1454.90	1577.15
135	1331.50	1398.55	1483.50
140	1259.96	1323.46	1389.67
145	1171.47	1230.58	1293.73
150	1067.49	1121.46	1188.33
155	950.27	998.45	1059.78
160	822.86	864.77	914.64
165	689.20	724.58	772.49
170	554.00	582.84	630.22
175	422.46	445.08	473.44

Azimuth	E _{theo}	E _{std}	E _{aug}
180	299.93	317.04	320.83
185	191.45	204.30	204.30
190	101.15	112.30	113.47
195	31.86	49.49	56.65
200	15.35	39.88	50.14
205	41.26	56.64	66.18
210	48.51	62.65	75.19
215	41.24	56.62	70.89
220	24.62	44.71	58.87
225	4.19	36.75	50.18
230	14.77	39.64	80.20
235	27.81	46.73	129.55
240	31.73	49.40	143.13
245	24.81	44.83	111.92
250	6.81	37.18	56.12
255	21.17	42.72	58.31
260	57.03	70.12	73.56
265	97.94	109.12	109.69
270	140.75	152.23	152.23
275	182.30	194.86	194.86
280	219.65	233.50	237.74
285	250.28	265.31	281.84
290	272.21	288.14	317.57
295	284.09	300.52	338.17
300	285.18	301.66	340.15
305	275.43	291.49	323.59
310	255.41	270.65	291.46
315	226.38	240.48	249.74
320	190.19	203.01	207.49
325	149.26	160.92	166.64
330	106.45	117.58	124.48
335	64.90	77.30	87.76
340	27.80	46.72	64.51
345	1.96	36.54	59.50
350	22.08	43.22	63.78
355	31.24	49.06	63.99

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission