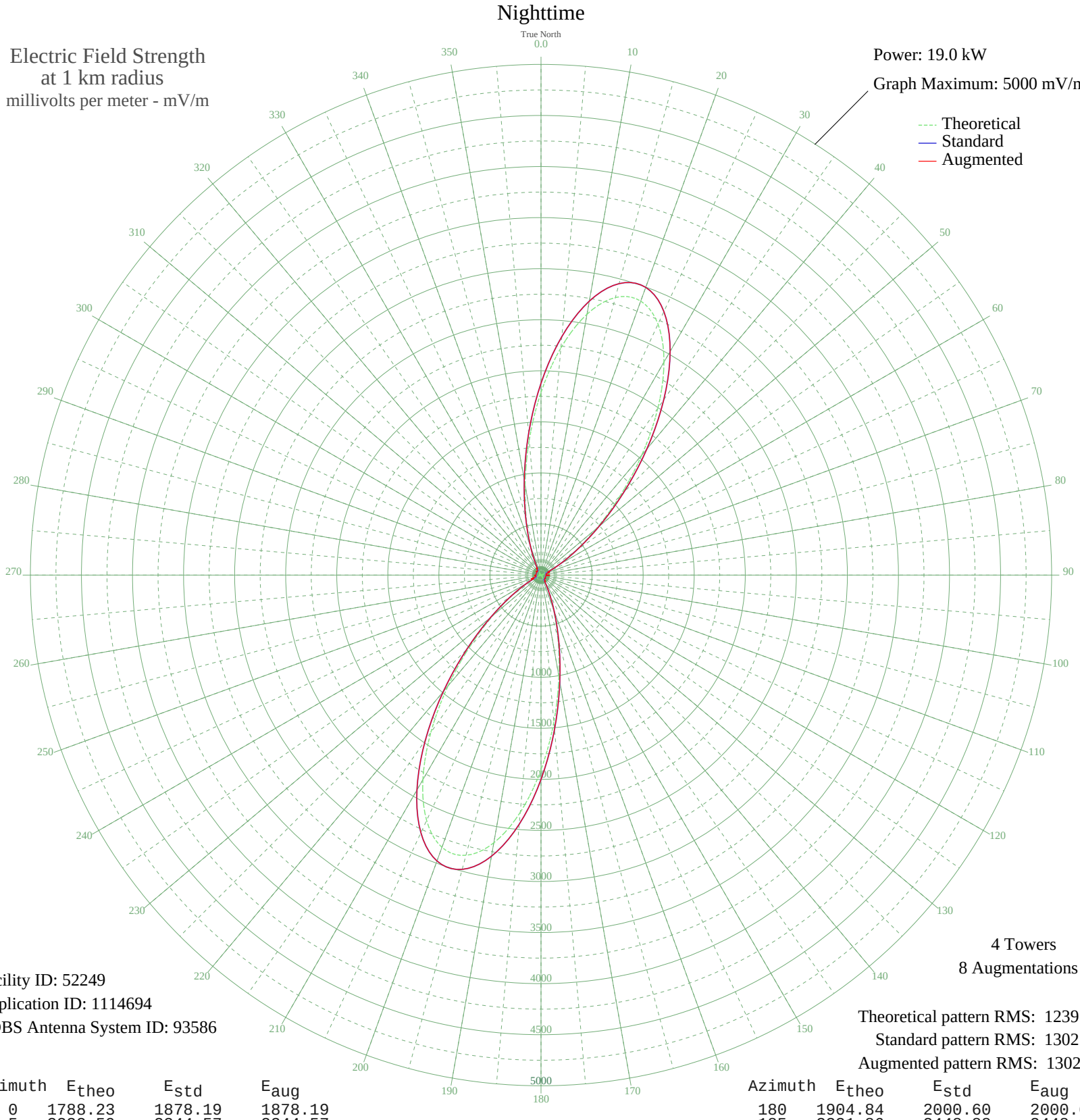
KYOL LITTLETON, CO BMP-20050929ASX 1510 kHz

Nighttime

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



Power: 19.0 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented

4 Towers
8 Augmentations

Facility ID: 52249
Application ID: 1114694
CDBS Antenna System ID: 93586

Theoretical pattern RMS: 1239.55
Standard pattern RMS: 1302.33
Augmented pattern RMS: 1302.33

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1788.23	1878.19	1878.19
5	2232.50	2344.57	2344.57
10	2593.44	2723.50	2723.50
15	2813.22	2954.24	2954.24
20	2854.66	2997.74	2997.74
25	2710.99	2846.91	2846.91
30	2407.57	2528.37	2528.37
35	1994.98	2095.23	2095.23
40	1535.96	1613.41	1613.41
45	1090.78	1146.24	1146.24
50	705.42	742.10	742.10
55	405.49	428.22	428.22
60	196.46	211.30	211.30
65	68.34	85.11	85.11
70	2.53	45.85	92.06
75	21.71	51.13	52.67
80	22.60	51.55	51.55
85	13.50	47.91	47.91
90	2.60	45.85	80.82
95	6.21	46.23	57.33
100	11.85	47.43	47.43
105	14.56	48.25	48.25
110	14.79	48.33	48.33
115	12.61	47.65	47.65
120	7.60	46.46	46.78
125	0.61	45.77	57.34
130	11.29	47.28	47.28
135	21.24	50.91	50.91
140	23.25	51.87	51.87
145	5.00	46.07	76.55
150	50.86	70.33	71.00
155	164.88	179.07	179.07
160	356.55	377.17	377.17
165	638.15	671.62	671.62
170	1007.80	1059.18	1059.18
175	1444.09	1516.98	1516.98

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 Apr 2006

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	1904.84	2000.60	2000.60
185	2331.86	2448.88	2448.88
190	2661.76	2795.23	2795.23
195	2840.37	2982.74	2982.74
200	2836.47	2978.64	2978.64
205	2650.26	2783.15	2783.15
210	2313.39	2429.49	2429.49
215	1880.64	1975.20	1975.20
220	1416.06	1487.56	1487.56
225	978.40	1028.34	1028.34
230	610.08	642.22	642.22
235	332.28	351.89	351.89
240	146.19	160.18	160.18
245	38.58	61.12	74.67
250	11.07	47.22	96.53
255	24.08	52.29	52.29
260	18.31	49.64	49.64
265	6.16	46.22	58.09
270	5.38	46.12	58.00
275	13.55	47.93	47.93
280	18.19	49.59	49.59
285	20.19	50.44	50.44
290	20.36	50.51	50.51
295	18.77	49.83	49.83
300	14.73	48.31	48.31
305	7.31	46.41	50.32
310	3.67	45.93	59.73
315	16.09	48.79	48.79
320	23.95	52.22	52.22
325	15.96	48.74	69.44
330	24.72	52.61	72.21
335	118.99	133.06	133.06
340	287.99	305.83	305.83
345	546.99	576.16	576.16
350	898.20	944.22	944.22
355	1324.73	1391.72	1391.72