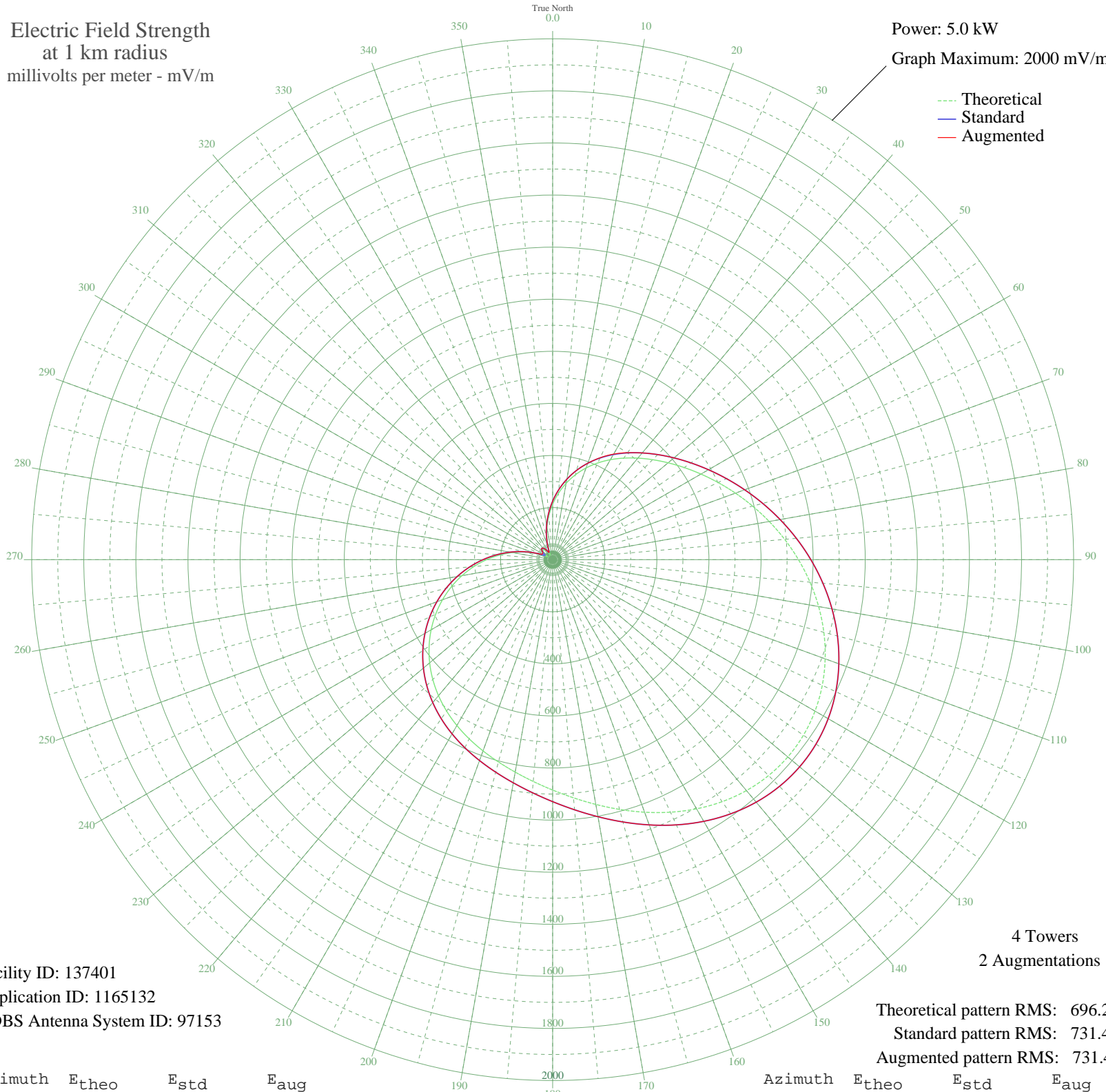


KMPH MODESTO, CA BL-20061211ADP 840 kHz

Daytime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 137401
Application ID: 1165132
CDBS Antenna System ID: 97153

4 Towers
2 Augmentations

Theoretical pattern RMS: 696.20
Standard pattern RMS: 731.40
Augmented pattern RMS: 731.40

Azimuth	E _{theo}	E _{std}	E _{aug}
0	212.67	224.53	224.53
5	256.02	269.84	269.84
10	297.75	313.51	313.51
15	337.30	354.94	354.94
20	374.52	393.94	393.94
25	409.64	430.76	431.86
30	443.22	465.97	468.00
35	476.03	500.38	501.32
40	508.95	534.92	534.92
45	542.89	570.52	570.52
50	578.60	607.99	607.99
55	616.66	647.92	647.92
60	657.38	690.65	690.65
65	700.82	736.23	736.23
70	746.77	784.46	784.46
75	794.79	834.86	834.86
80	844.22	886.74	886.74
85	894.22	939.22	939.22
90	943.77	991.24	991.24
95	991.74	1041.60	1041.60
100	1036.87	1088.96	1088.96
105	1077.83	1131.96	1131.96
110	1113.31	1169.21	1169.21
115	1142.07	1199.40	1199.40
120	1163.02	1221.40	1221.40
125	1175.33	1234.32	1234.32
130	1178.48	1237.63	1237.63
135	1172.40	1231.25	1231.25
140	1157.45	1215.55	1215.55
145	1134.47	1191.42	1191.42
150	1104.74	1160.22	1160.22
155	1069.94	1123.68	1123.68
160	1031.97	1083.82	1083.82
165	992.80	1042.71	1042.71
170	954.29	1002.28	1002.28
175	917.92	964.11	964.11

Azimuth	E _{theo}	E _{std}	E _{aug}
180	884.68	929.21	929.21
185	854.91	897.96	897.96
190	828.34	870.08	870.08
195	804.21	844.75	844.75
200	781.44	820.84	820.84
205	758.82	797.10	797.10
210	735.23	772.35	772.35
215	709.74	745.60	745.60
220	681.68	716.15	716.15
225	650.63	683.57	683.57
230	616.41	647.66	647.66
235	579.03	608.43	608.43
240	538.64	566.06	566.06
245	495.51	520.81	520.81
250	449.99	473.07	473.07
255	402.50	423.27	423.27
260	353.52	371.94	371.94
265	303.65	319.70	319.70
270	253.58	267.29	267.29
275	204.13	215.62	215.62
280	156.29	165.77	165.77
285	111.23	119.13	119.13
290	70.48	77.64	77.64
295	36.82	45.23	49.61
300	21.20	32.36	45.30
305	32.62	41.53	46.26
310	45.82	53.53	53.53
315	52.20	59.63	59.63
320	50.36	57.86	57.86
325	40.47	48.55	48.55
330	24.94	35.17	35.17
335	21.18	32.34	32.34
340	47.37	55.00	55.00
345	84.04	91.32	91.32
350	125.21	133.55	133.55
355	168.63	178.62	178.62

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

Prepared by Audio Division, Media Bureau
Federal Communications Commission