

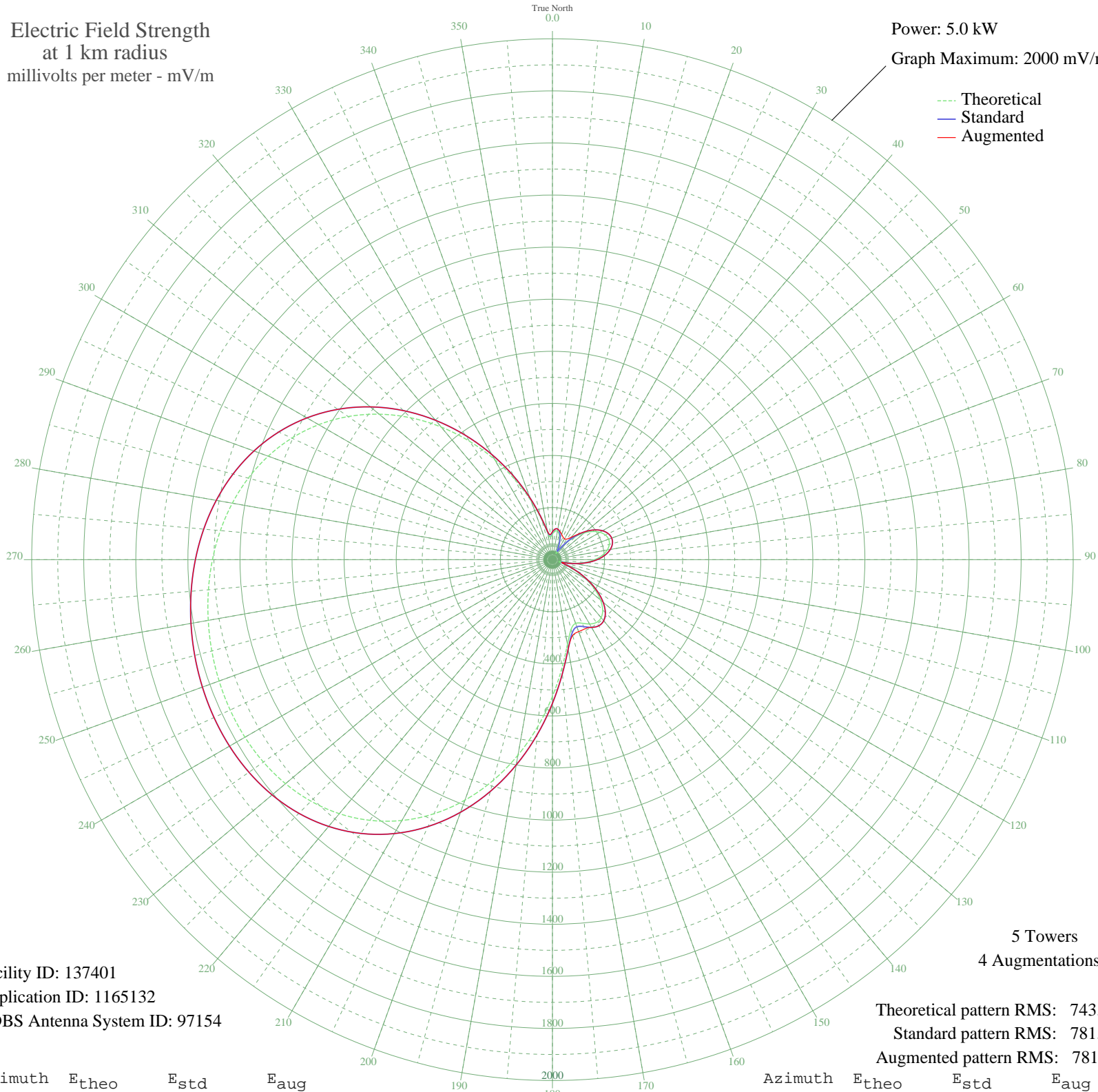
KMPH MODESTO, CA BL-20061211ADP 840 kHz

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: 137401
Application ID: 1165132
CDBS Antenna System ID: 97154

5 Towers
4 Augmentations

Theoretical pattern RMS: 743.50
Standard pattern RMS: 781.00
Augmented pattern RMS: 781.50

Azimuth	E _{theo}	E _{std}	E _{aug}
0	98.53	106.09	107.01
5	110.14	118.01	118.01
10	111.07	118.96	118.96
15	99.47	107.05	111.88
20	76.97	84.16	103.40
25	47.61	55.23	95.97
30	26.42	36.34	92.40
35	48.62	56.19	96.53
40	86.79	94.11	111.65
45	125.02	133.35	137.26
50	159.54	169.16	169.16
55	188.38	199.19	199.19
60	210.22	221.97	221.97
65	224.14	236.51	236.51
70	229.55	242.17	242.17
75	226.09	238.55	238.55
80	213.60	225.50	225.50
85	192.13	203.10	203.10
90	162.03	171.74	171.74
95	124.01	132.31	132.31
100	79.60	86.81	86.91
105	34.61	43.27	44.13
110	40.80	48.85	49.53
115	92.86	100.29	100.33
120	147.45	156.59	156.59
125	198.11	209.34	209.34
130	240.97	254.10	254.10
135	272.70	287.29	287.29
140	290.83	306.27	306.27
145	294.38	309.99	309.99
150	285.09	300.26	300.26
155	269.27	283.70	293.39
160	260.32	274.34	294.00
165	277.01	291.80	301.22
170	330.89	348.22	348.22
175	417.48	438.99	438.99

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	524.99	551.74	551.74
185	642.60	675.14	675.14
190	761.98	800.42	800.42
195	876.89	921.03	921.03
200	982.77	1032.17	1032.17
205	1076.54	1130.61	1130.61
210	1156.44	1214.49	1214.49
215	1221.90	1283.21	1283.21
220	1273.24	1337.11	1337.11
225	1311.52	1377.30	1377.30
230	1338.23	1405.34	1405.34
235	1355.05	1423.00	1423.00
240	1363.70	1432.08	1432.08
245	1365.70	1434.18	1434.18
250	1362.30	1430.60	1430.60
255	1354.36	1422.27	1422.27
260	1342.34	1409.65	1409.65
265	1326.28	1392.79	1392.79
270	1305.80	1371.29	1371.29
275	1280.18	1344.40	1344.40
280	1248.43	1311.06	1311.06
285	1209.35	1270.03	1270.03
290	1161.71	1220.02	1220.02
295	1104.42	1159.87	1159.87
300	1036.64	1088.72	1088.72
305	958.05	1006.22	1006.22
310	868.98	912.73	912.73
315	770.57	809.44	809.44
320	664.87	698.51	698.51
325	554.80	583.01	583.01
330	444.12	466.92	466.92
335	337.35	354.99	354.99
340	239.73	252.80	252.80
345	158.00	167.55	167.56
350	102.94	110.61	111.82
355	87.29	94.62	97.03