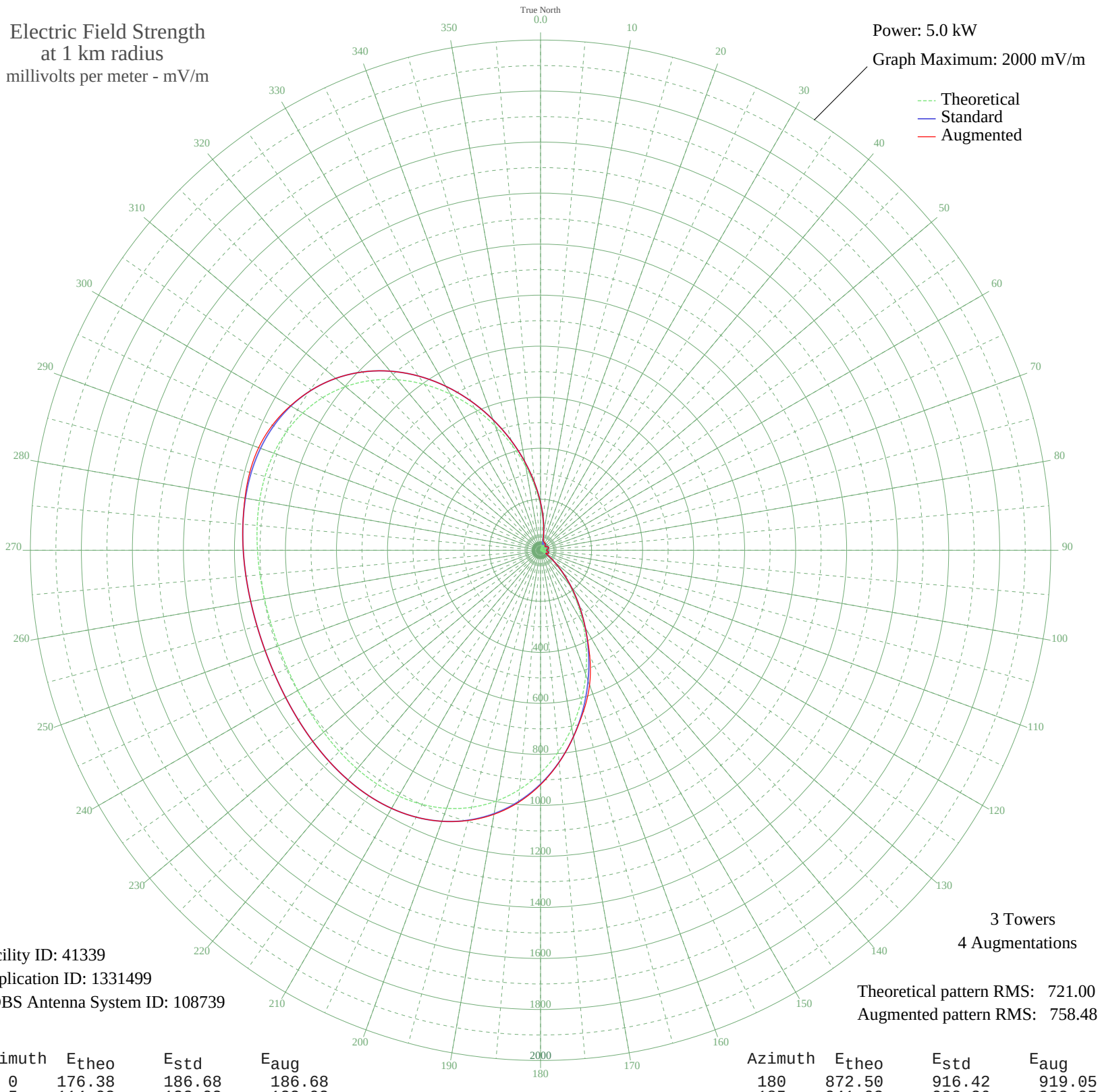
KLOK SAN JOSE, CA BMML-20090819AHK 1170 kHz

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

3 Towers
4 Augmentations

Facility ID: 41339
Application ID: 1331499
CDBS Antenna System ID: 108739

Theoretical pattern RMS: 721.00
Augmented pattern RMS: 758.48

Azimuth	E_{theo}	E_{std}	E_{aug}
0	176.38	186.68	186.68
5	114.03	122.02	122.02
10	63.92	71.10	71.10
15	26.15	36.12	40.91
20	0.09	23.48	38.00
25	15.46	28.55	34.41
30	22.19	33.08	33.08
35	22.00	32.94	32.94
40	16.91	29.44	29.44
45	8.88	25.26	25.26
50	0.30	23.48	23.48
55	9.09	25.34	25.34
60	16.27	29.03	29.03
65	20.93	32.16	32.16
70	22.55	33.34	33.34
75	20.93	32.16	32.16
80	16.27	29.03	29.03
85	9.09	25.34	25.34
90	0.30	23.48	23.48
95	8.88	25.26	25.26
100	16.91	29.44	29.44
105	22.00	32.94	32.94
110	22.19	33.08	33.08
115	15.46	28.55	28.55
120	0.09	23.48	23.48
125	26.15	36.12	36.12
130	63.92	71.10	71.10
135	114.03	122.02	122.02
140	176.38	186.68	186.68
145	250.04	263.59	263.59
150	333.29	350.74	350.74
155	423.68	445.49	456.14
160	518.23	544.64	562.00
165	613.60	644.71	652.12
170	706.45	742.15	742.15
175	793.64	833.65	834.38

Azimuth	E_{theo}	E_{std}	E_{aug}
180	872.50	916.42	919.05
185	941.03	988.36	992.05
190	998.02	1048.18	1051.11
195	1043.03	1095.43	1096.59
200	1076.38	1130.44	1130.47
205	1099.03	1154.22	1154.22
210	1112.43	1168.29	1168.29
215	1118.32	1174.48	1174.48
220	1118.61	1174.77	1174.77
225	1115.16	1171.15	1171.15
230	1109.73	1165.46	1165.46
235	1103.85	1159.28	1159.28
240	1098.74	1153.92	1153.92
245	1095.31	1150.31	1150.31
250	1094.10	1149.05	1149.05
255	1095.31	1150.31	1150.31
260	1098.74	1153.92	1153.92
265	1103.85	1159.28	1159.28
270	1109.73	1165.46	1165.46
275	1115.16	1171.15	1171.15
280	1118.61	1174.77	1176.69
285	1118.32	1174.48	1180.23
290	1112.43	1168.29	1176.00
295	1099.03	1154.22	1160.08
300	1076.38	1130.44	1132.44
305	1043.02	1095.43	1095.43
310	998.02	1048.18	1048.18
315	941.03	988.36	988.36
320	872.50	916.42	916.42
325	793.64	833.65	833.65
330	706.45	742.14	742.14
335	613.60	644.71	644.71
340	518.23	544.64	544.64
345	423.68	445.49	445.49
350	333.29	350.74	350.74
355	250.04	263.59	263.59

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