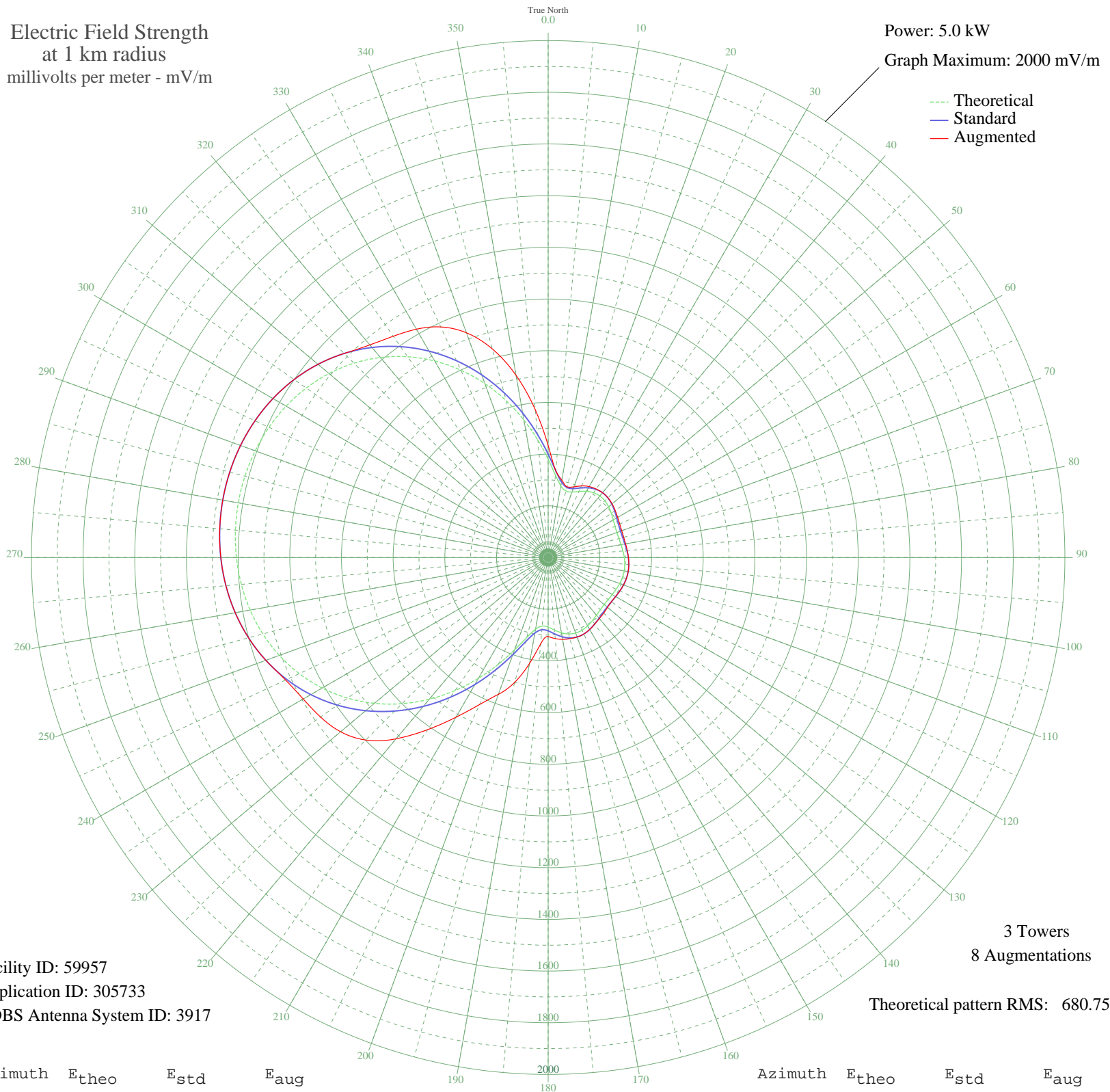


# KKGN OAKLAND, CA BL-- 960 kHz

Unlimited Time

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 59957  
Application ID: 305733  
CDBS Antenna System ID: 3917

3 Towers  
8 Augmentations  
Theoretical pattern RMS: 680.75

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	380.23	399.94	433.28
5	320.30	337.14	337.14
10	281.67	296.69	304.17
15	266.32	280.62	283.10
20	269.40	283.84	290.97
25	281.88	296.90	305.59
30	295.71	311.38	317.10
35	306.04	322.20	323.63
40	310.88	327.27	327.28
45	310.24	326.60	327.08
50	305.39	321.52	323.05
55	298.29	314.08	316.96
60	291.08	306.54	310.67
65	285.61	300.81	305.72
70	283.01	298.09	303.01
75	283.48	298.58	302.74
80	286.37	301.61	304.49
85	290.52	305.95	307.45
90	294.62	310.24	310.68
95	297.56	313.32	313.33
100	298.63	314.44	314.44
105	297.56	313.32	313.32
110	294.62	310.24	310.24
115	290.52	305.95	305.95
120	286.37	301.61	301.61
125	283.48	298.58	298.60
130	283.01	298.09	299.92
135	285.61	300.81	304.17
140	291.08	306.54	308.31
145	298.29	314.08	314.10
150	305.39	321.52	321.52
155	310.24	326.60	326.60
160	310.88	327.27	327.27
165	306.04	322.20	325.13
170	295.71	311.38	321.60
175	281.88	296.90	314.94

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	269.40	283.84	305.78
185	266.32	280.62	335.90
190	281.67	296.69	416.12
195	320.30	337.14	499.84
200	380.23	399.94	563.27
205	455.54	478.90	627.61
210	539.93	567.42	713.56
215	628.07	659.89	813.02
220	715.76	751.91	915.79
225	799.77	840.09	998.71
230	877.77	921.96	1048.82
235	948.16	995.84	1075.77
240	1010.03	1060.79	1094.77
245	1063.04	1116.44	1121.42
250	1107.26	1162.86	1162.86
255	1143.12	1200.50	1200.50
260	1171.18	1229.97	1229.97
265	1192.13	1251.95	1251.95
270	1206.57	1267.11	1267.11
275	1215.01	1275.98	1275.98
280	1217.79	1278.90	1278.90
285	1215.01	1275.98	1275.98
290	1206.57	1267.11	1267.11
295	1192.13	1251.95	1251.95
300	1171.18	1229.97	1229.97
305	1143.12	1200.50	1200.50
310	1107.26	1162.86	1162.86
315	1063.04	1116.44	1116.44
320	1010.03	1060.79	1073.81
325	948.16	995.84	1045.09
330	877.77	921.96	1020.01
335	799.77	840.09	984.33
340	715.76	751.91	925.37
345	628.07	659.89	835.83
350	539.93	567.41	715.81
355	455.54	478.90	574.33