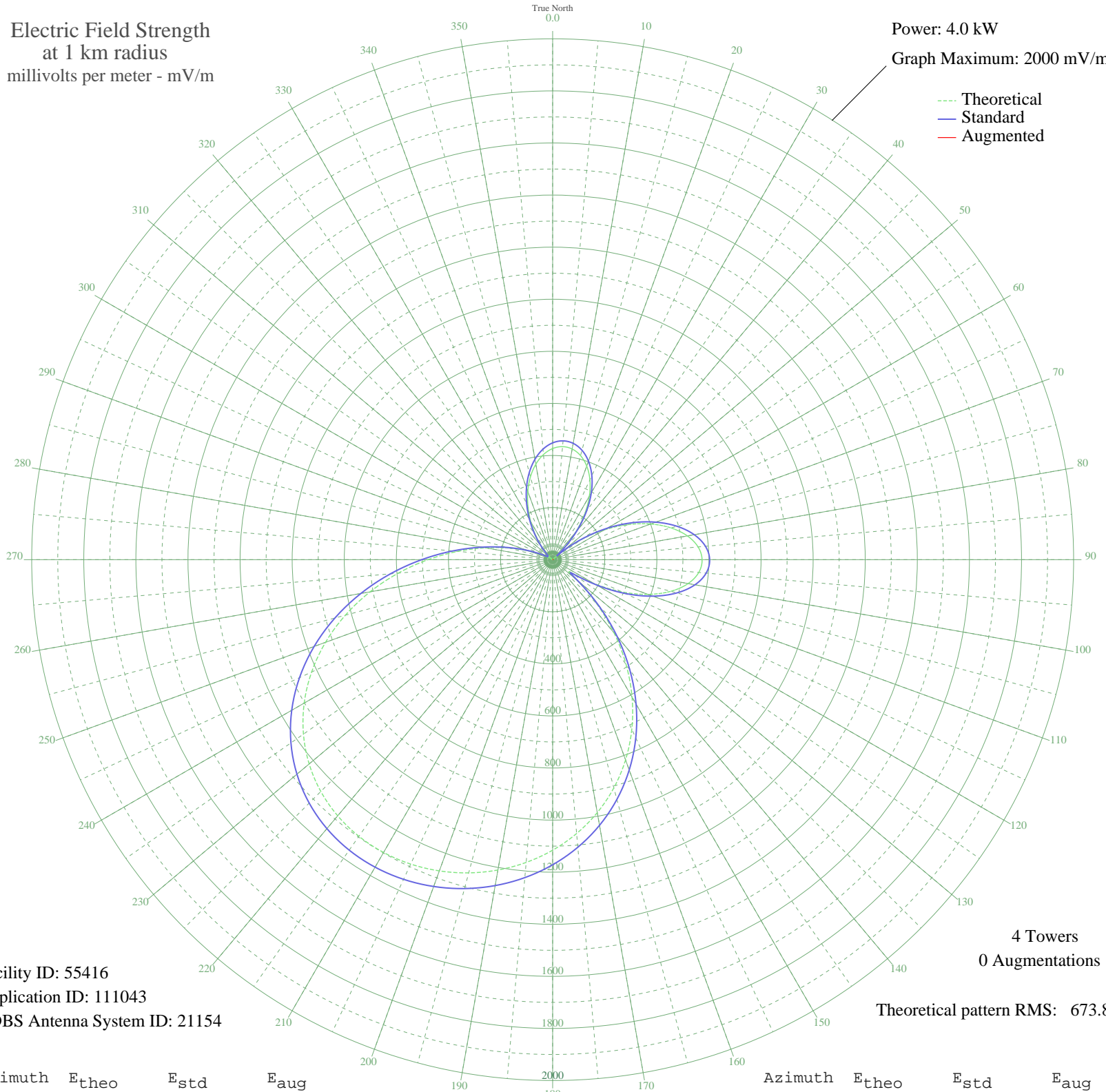


KCAL REDLANDS, CA BL-19880401AG 1410 kHz

Nighttime

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

Power: 4.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 55416
Application ID: 111043
CDBS Antenna System ID: 21154

4 Towers
0 Augmentations

Theoretical pattern RMS: 673.82

Azimuth	E _{theo}	E _{std}	E _{aug}
0	426.68	448.51	
5	435.68	457.95	
10	431.45	453.51	
15	413.72	434.91	
20	382.57	402.25	
25	338.40	355.94	
30	281.94	296.78	
35	214.23	225.92	
40	136.69	145.05	
45	51.14	57.66	
50	40.13	47.08	
55	134.35	142.63	
60	228.31	240.64	
65	318.35	334.92	
70	400.53	421.08	
75	470.82	494.81	
80	525.32	551.98	
85	560.54	588.95	
90	573.74	602.80	
95	563.15	591.68	
100	528.20	555.01	
105	469.67	493.60	
110	389.70	409.73	
115	292.01	307.33	
120	183.06	193.36	
125	86.11	92.83	
130	119.47	127.19	
135	238.81	251.63	
140	366.56	385.46	
145	491.46	516.46	
150	609.59	640.42	
155	718.88	755.12	
160	818.25	859.42	
165	907.36	952.96	
170	986.32	1035.85	
175	1055.57	1108.55	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1115.63	1171.60	
185	1167.03	1225.56	
190	1210.13	1270.81	
195	1245.07	1307.49	
200	1271.72	1335.48	
205	1289.70	1354.35	
210	1298.33	1363.41	
215	1296.73	1361.73	
220	1283.88	1348.23	
225	1258.72	1321.82	
230	1220.32	1281.50	
235	1167.97	1226.55	
240	1101.43	1156.70	
245	1021.04	1072.30	
250	927.89	974.51	
255	823.88	865.33	
260	711.81	747.69	
265	595.24	625.35	
270	478.37	502.72	
275	365.76	384.63	
280	262.03	275.93	
285	171.41	181.20	
290	97.48	104.49	
295	42.77	49.58	
300	8.53	22.83	
305	5.81	21.87	
310	8.60	22.86	
315	28.65	36.69	
320	65.61	72.02	
325	113.34	120.85	
330	167.50	177.13	
335	224.01	236.14	
340	279.08	293.78	
345	329.38	346.49	
350	372.14	391.31	
355	405.12	425.90	

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission