

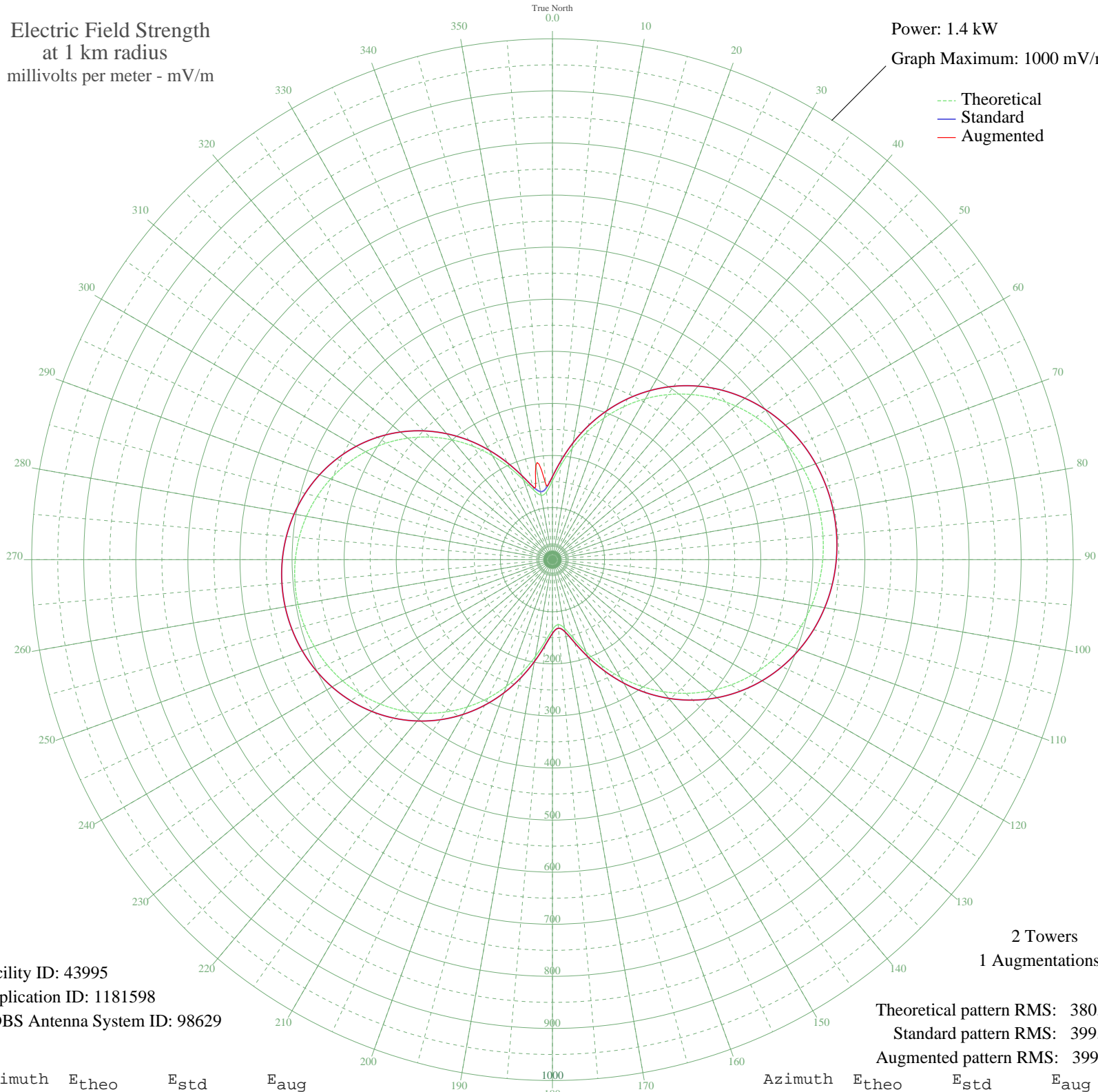
KCAA LOMA LINDA, CA BL-20070405ACN 1050 kHz

Daytime

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

Power: 1.4 kW
Graph Maximum: 1000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 43995
Application ID: 1181598
CDBS Antenna System ID: 98629

2 Towers
1 Augmentations

Theoretical pattern RMS: 380.20
Standard pattern RMS: 399.43
Augmented pattern RMS: 399.75

Azimuth	E _{theo}	E _{std}	E _{aug}
0	151.27	159.39	159.39
5	181.57	191.12	191.12
10	216.54	227.76	227.76
15	253.05	266.04	266.04
20	289.27	304.03	304.03
25	324.08	340.55	340.55
30	356.75	374.82	374.82
35	386.82	406.38	406.38
40	413.99	434.90	434.90
45	438.11	460.21	460.21
50	459.11	482.25	482.25
55	476.97	500.99	500.99
60	491.73	516.49	516.49
65	503.48	528.82	528.82
70	512.26	538.04	538.04
75	518.17	544.24	544.24
80	521.25	547.47	547.47
85	521.53	547.77	547.77
90	519.01	545.13	545.13
95	513.67	539.52	539.52
100	505.47	530.91	530.91
105	494.32	519.21	519.21
110	480.17	504.35	504.35
115	462.93	486.26	486.26
120	442.56	464.88	464.88
125	419.06	440.22	440.22
130	392.49	412.33	412.33
135	362.98	381.37	381.37
140	330.80	347.60	347.60
145	296.38	311.48	311.48
150	260.36	273.71	273.71
155	223.79	235.36	235.36
160	188.32	198.18	198.18
165	156.74	165.12	165.12
170	133.70	141.02	141.02
175	125.19	132.13	132.13

Azimuth	E _{theo}	E _{std}	E _{aug}
180	134.26	141.61	141.61
185	157.42	165.83	165.83
190	188.62	198.50	198.50
195	223.32	234.87	234.87
200	258.82	272.08	272.08
205	293.52	308.49	308.49
210	326.47	343.05	343.05
215	357.04	375.13	375.13
220	384.85	404.31	404.31
225	409.67	430.36	430.36
230	431.36	453.13	453.13
235	449.90	472.58	472.58
240	465.28	488.72	488.72
245	477.54	501.60	501.60
250	486.74	511.25	511.25
255	492.94	517.75	517.75
260	496.17	521.15	521.15
265	496.46	521.45	521.45
270	493.82	518.68	518.68
275	488.22	512.80	512.80
280	479.62	503.78	503.78
285	467.98	491.56	491.56
290	453.23	476.07	476.07
295	435.32	457.29	457.29
300	414.26	435.18	435.18
305	390.06	409.78	409.78
310	362.83	381.21	381.21
315	332.79	349.68	349.68
320	300.28	315.57	315.57
325	265.86	279.47	279.47
330	230.42	242.31	242.31
335	195.39	205.59	205.59
340	163.19	171.88	171.88
345	137.96	145.48	145.48
350	125.62	132.58	132.58
355	130.66	137.84	145.21

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission