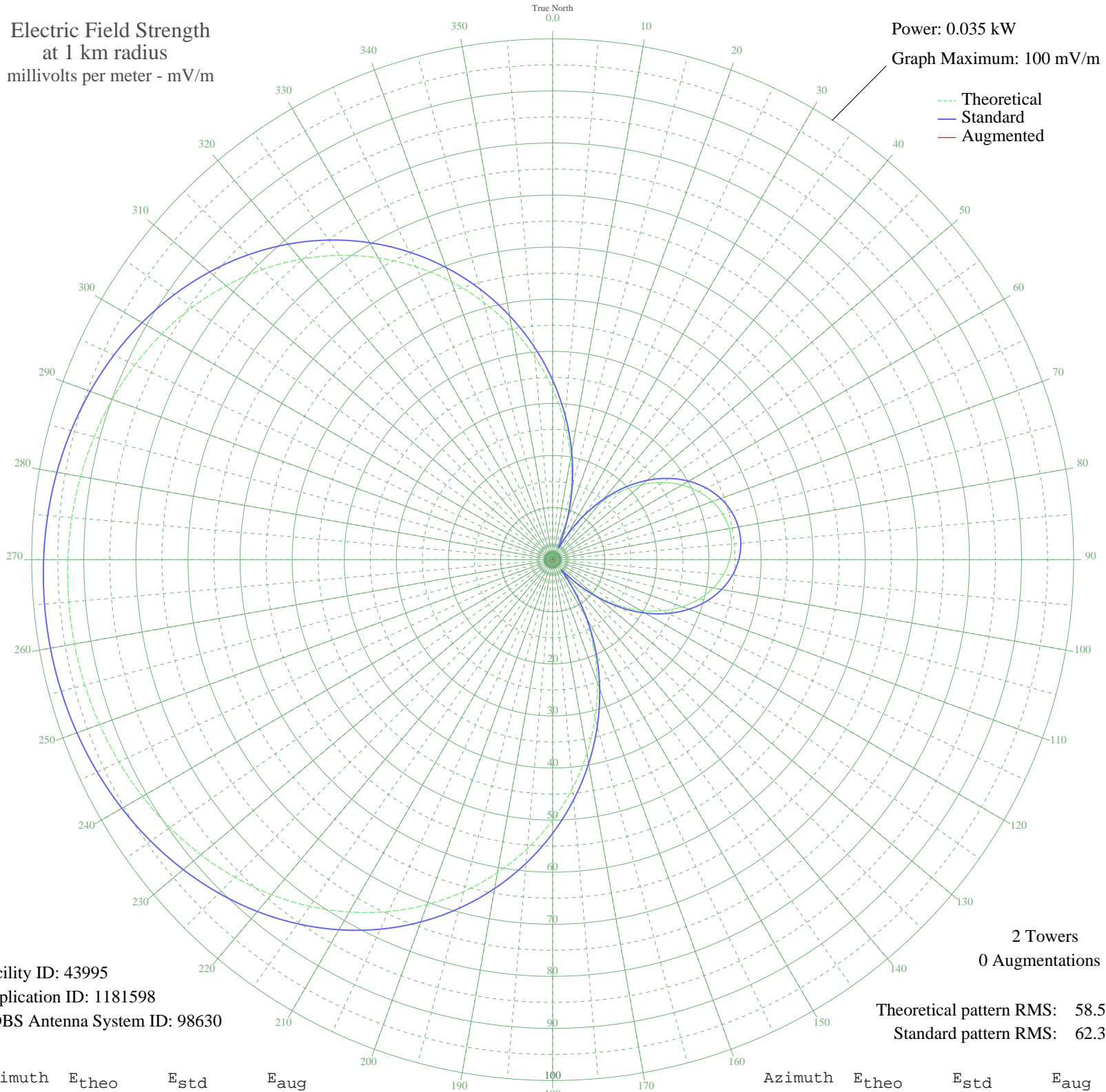


# KCAA LOMA LINDA, CA BL-20070405ACN 1050 kHz

Nighttime

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

Power: 0.035 kW  
Graph Maximum: 100 mV/m



Facility ID: 43995  
Application ID: 1181598  
CDBS Antenna System ID: 98630

2 Towers  
0 Augmentations

Theoretical pattern RMS: 58.53  
Standard pattern RMS: 62.34

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	32.75	34.45	
5	26.35	27.74	
10	19.95	21.04	
15	13.65	14.47	
20	7.56	8.17	
25	2.12	2.97	
30	4.40	5.02	
35	9.50	10.16	
40	14.28	15.12	
45	18.62	19.65	
50	22.48	23.69	
55	25.83	27.19	
60	28.64	30.14	
65	30.92	32.52	
70	32.64	34.33	
75	33.81	35.55	
80	34.42	36.20	
85	34.48	36.26	
90	33.98	35.73	
95	32.92	34.62	
100	31.31	32.93	
105	29.14	30.66	
110	26.43	27.83	
115	23.19	24.43	
120	19.43	20.50	
125	15.18	16.06	
130	10.48	11.18	
135	5.43	6.03	
140	1.55	2.55	
145	6.38	6.98	
150	12.41	13.18	
155	18.68	19.71	
160	25.07	26.39	
165	31.48	33.11	
170	37.82	39.76	
175	44.03	46.27	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	50.00	52.54	
185	55.69	58.51	
190	61.03	64.11	
195	65.96	69.29	
200	70.47	74.02	
205	74.52	78.27	
210	78.12	82.05	
215	81.26	85.34	
220	83.96	88.18	
225	86.24	90.58	
230	88.14	92.57	
235	89.69	94.19	
240	90.92	95.48	
245	91.85	96.47	
250	92.54	97.18	
255	92.98	97.65	
260	93.21	97.89	
265	93.23	97.91	
270	93.05	97.72	
275	92.64	97.30	
280	92.01	96.63	
285	91.13	95.70	
290	89.96	94.48	
295	88.48	92.92	
300	86.65	91.01	
305	84.45	88.69	
310	81.83	85.95	
315	78.78	82.74	
320	75.28	79.07	
325	71.32	74.91	
330	66.90	70.27	
335	62.05	65.18	
340	56.79	59.66	
345	51.17	53.76	
350	45.24	47.54	
355	39.08	41.08	

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