

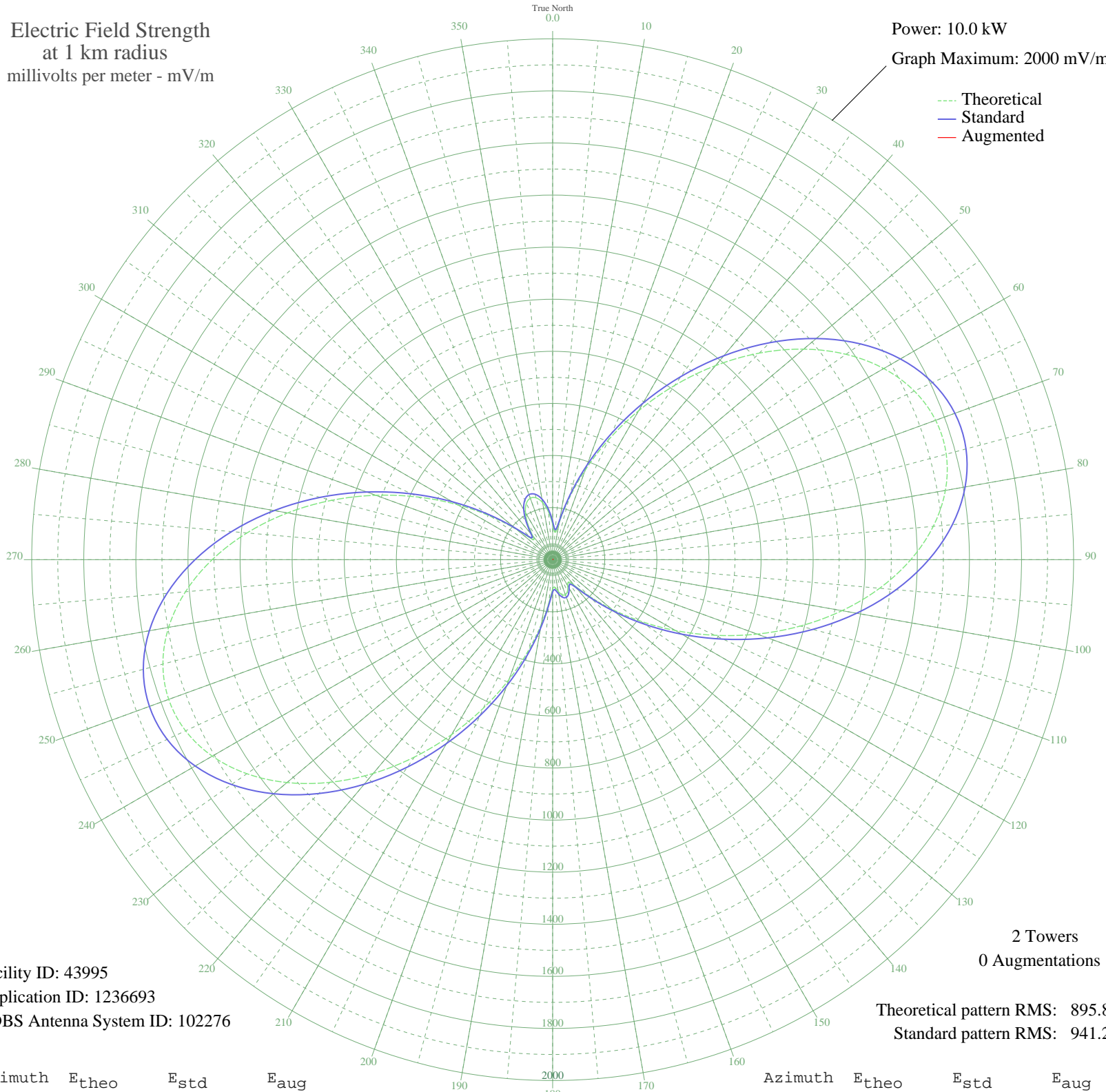
# KCAA LOMA LINDA, CA BP-20070529ACI 1050 kHz

Daytime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 43995  
Application ID: 1236693  
CDBS Antenna System ID: 102276

2 Towers  
0 Augmentations

Theoretical pattern RMS: 895.86  
Standard pattern RMS: 941.24

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	135.75	146.35	
5	104.62	114.76	
10	144.20	155.01	
15	241.94	256.20	
20	367.15	386.93	
25	508.65	535.11	
30	660.36	694.18	
35	816.91	858.40	
40	972.65	1021.83	
45	1121.60	1178.15	
50	1257.63	1320.93	
55	1374.80	1443.92	
60	1467.75	1541.49	
65	1532.09	1609.04	
70	1564.77	1643.35	
75	1564.33	1642.89	
80	1531.01	1607.90	
85	1466.72	1540.41	
90	1374.89	1444.01	
95	1260.18	1323.61	
100	1128.10	1184.97	
105	984.59	1034.36	
110	835.67	878.09	
115	687.10	722.22	
120	544.15	572.32	
125	411.61	433.46	
130	294.04	310.52	
135	196.84	209.33	
140	129.17	139.63	
145	104.63	114.77	
150	115.99	126.23	
155	134.10	144.67	
160	143.24	154.03	
165	139.23	149.91	
170	123.69	134.05	
175	106.56	116.71	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	113.67	123.88	
185	165.48	176.90	
190	252.33	267.02	
195	362.52	382.09	
200	489.63	515.18	
205	628.96	661.25	
210	775.90	815.37	
215	925.34	972.18	
220	1071.73	1125.80	
225	1209.11	1270.00	
230	1331.46	1398.43	
235	1433.05	1505.07	
240	1508.85	1584.64	
245	1554.88	1632.96	
250	1568.60	1647.36	
255	1549.08	1626.87	
260	1497.12	1572.33	
265	1415.16	1486.29	
270	1307.08	1372.84	
275	1177.91	1237.25	
280	1033.39	1085.57	
285	879.64	924.21	
290	722.71	759.57	
295	568.41	597.75	
300	422.17	444.52	
305	289.58	305.86	
310	178.70	190.55	
315	110.58	120.77	
320	118.29	128.57	
325	165.09	176.50	
330	208.94	221.89	
335	238.58	252.70	
340	251.08	265.71	
345	245.70	260.11	
350	222.74	236.23	
355	183.96	195.99	

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