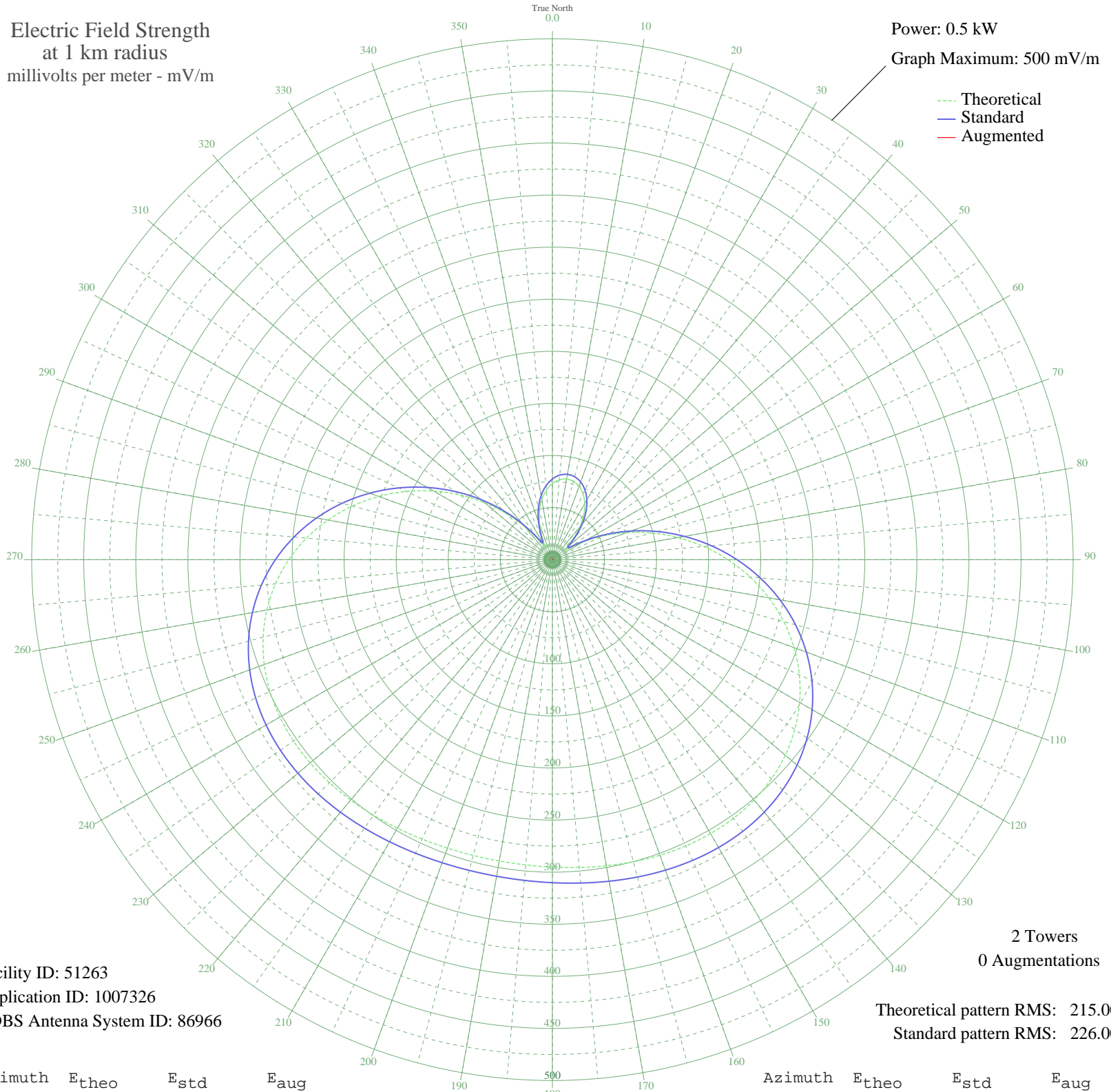


# KSMA LOMPOC, CA BL-20040729AVO 1410 kHz

Daytime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 51263  
Application ID: 1007326  
CDBS Antenna System ID: 86966

2 Towers  
0 Augmentations

Theoretical pattern RMS: 215.00  
Standard pattern RMS: 226.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	73.05	77.42	
5	76.93	81.46	
10	78.53	83.13	
15	77.85	82.41	
20	74.88	79.32	
25	69.63	73.86	
30	62.16	66.11	
35	52.54	56.16	
40	40.97	44.28	
45	28.01	31.23	
50	16.34	20.11	
55	17.98	21.61	
60	33.90	37.11	
65	54.02	57.69	
70	75.94	80.43	
75	98.86	104.34	
80	122.25	128.79	
85	145.62	153.26	
90	168.50	177.24	
95	190.45	200.25	
100	211.07	221.87	
105	229.99	241.72	
110	246.93	259.49	
115	261.67	274.95	
120	274.09	287.98	
125	284.16	298.55	
130	291.93	306.70	
135	297.54	312.59	
140	301.19	316.42	
145	303.15	318.48	
150	303.71	319.07	
155	303.20	318.53	
160	301.93	317.20	
165	300.22	315.41	
170	298.36	313.46	
175	296.60	311.61	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	295.15	310.09	
185	294.16	309.05	
190	293.74	308.60	
195	293.92	308.80	
200	294.69	309.61	
205	295.98	310.95	
210	297.63	312.69	
215	299.48	314.63	
220	301.28	316.52	
225	302.76	318.07	
230	303.62	318.97	
235	303.52	318.87	
240	302.16	317.44	
245	299.22	314.35	
250	294.42	309.32	
255	287.53	302.09	
260	278.40	292.51	
265	266.92	280.46	
270	253.10	265.96	
275	237.02	249.09	
280	218.86	230.04	
285	198.88	209.09	
290	177.42	186.58	
295	154.85	162.93	
300	131.63	138.61	
305	108.19	114.08	
310	85.02	89.89	
315	62.63	66.60	
320	41.65	44.98	
325	23.47	26.79	
330	14.47	18.47	
335	22.83	26.17	
340	35.89	39.12	
345	48.13	51.61	
350	58.56	62.38	
355	66.91	71.03	

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