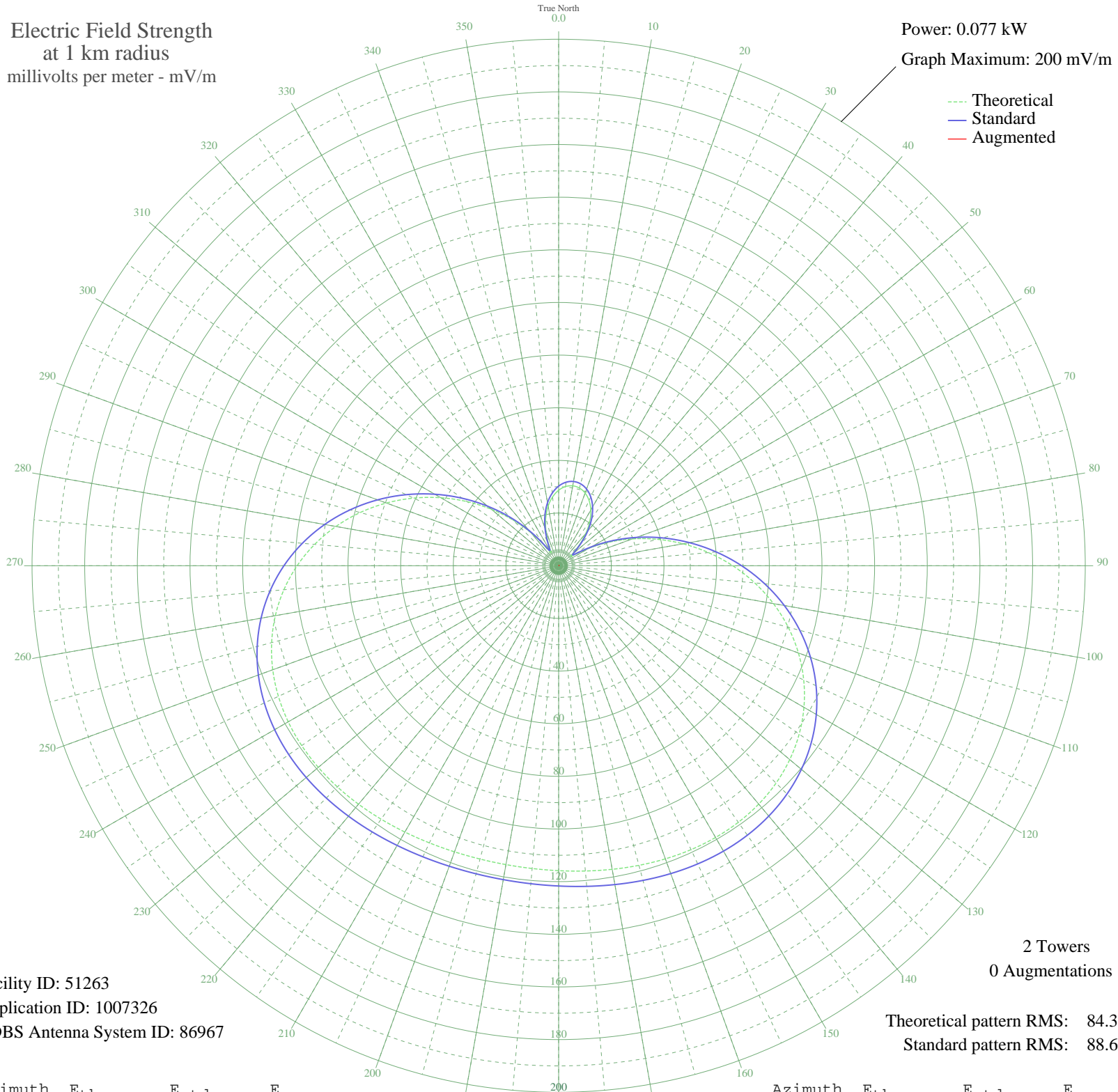


# KSMA LOMPOC, CA BL-20040729AVO 1410 kHz

Nighttime

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

Power: 0.077 kW  
Graph Maximum: 200 mV/m



Facility ID: 51263  
Application ID: 1007326  
CDBS Antenna System ID: 86967

Theoretical pattern RMS: 84.38  
Standard pattern RMS: 88.69

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	28.67	30.24	
5	30.19	31.84	
10	30.82	32.49	
15	30.55	32.21	
20	29.39	30.99	
25	27.33	28.84	
30	24.40	25.78	
35	20.62	21.85	
40	16.08	17.13	
45	10.99	11.90	
50	6.41	7.34	
55	7.06	7.96	
60	13.30	14.27	
65	21.20	22.45	
70	29.81	31.43	
75	38.80	40.85	
80	47.98	50.46	
85	57.15	60.08	
90	66.13	69.50	
95	74.75	78.54	
100	82.84	87.03	
105	90.26	94.82	
110	96.91	101.80	
115	102.70	107.87	
120	107.57	112.99	
125	111.52	117.13	
130	114.57	120.33	
135	116.77	122.65	
140	118.21	124.15	
145	118.98	124.96	
150	119.20	125.19	
155	118.99	124.98	
160	118.50	124.46	
165	117.83	123.75	
170	117.10	122.99	
175	116.41	122.26	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	115.84	121.66	
185	115.45	121.26	
190	115.28	121.08	
195	115.35	121.16	
200	115.66	121.47	
205	116.16	122.00	
210	116.81	122.69	
215	117.54	123.45	
220	118.24	124.19	
225	118.82	124.80	
230	119.16	125.15	
235	119.12	125.11	
240	118.59	124.55	
245	117.43	123.34	
250	115.55	121.36	
255	112.85	118.53	
260	109.26	114.76	
265	104.76	110.03	
270	99.33	104.34	
275	93.02	97.72	
280	85.89	90.24	
285	78.05	82.01	
290	69.63	73.17	
295	60.77	63.88	
300	51.66	54.32	
305	42.46	44.68	
310	33.37	35.16	
315	24.58	25.97	
320	16.35	17.41	
325	9.21	10.10	
330	5.68	6.64	
335	8.96	9.85	
340	14.09	15.07	
345	18.89	20.05	
350	22.98	24.31	
355	26.26	27.73	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission