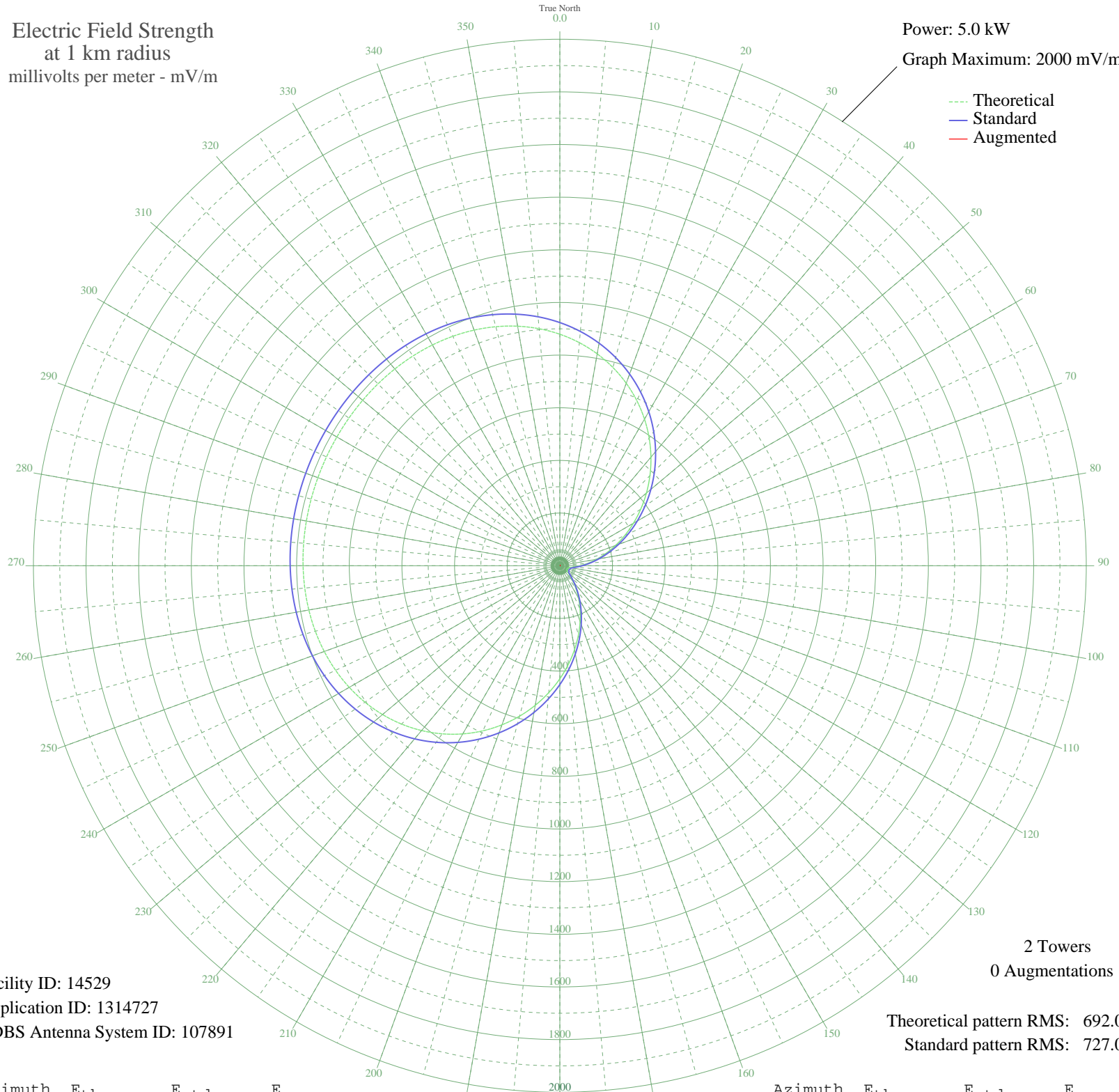


# KTMS SANTA BARBARA, CA BSTA-20090605AAP 990 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 14529  
Application ID: 1314727  
CDBS Antenna System ID: 107891

2 Towers  
0 Augmentations

Theoretical pattern RMS: 692.00  
Standard pattern RMS: 727.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	879.42	923.69	
5	850.58	893.41	
10	817.24	858.42	
15	779.51	818.82	
20	737.63	774.87	
25	692.00	726.98	
30	643.14	675.71	
35	591.69	621.72	
40	538.38	565.78	
45	483.99	508.73	
50	429.37	451.45	
55	375.34	394.81	
60	322.74	339.69	
65	272.35	286.93	
70	224.91	237.32	
75	181.10	191.60	
80	141.57	150.49	
85	106.91	114.68	
90	77.79	84.99	
95	55.02	62.36	
100	39.61	47.76	
105	31.94	40.94	
110	29.88	39.18	
115	29.73	39.06	
120	29.88	39.18	
125	31.94	40.94	
130	39.60	47.76	
135	55.02	62.36	
140	77.79	84.99	
145	106.91	114.68	
150	141.57	150.49	
155	181.10	191.60	
160	224.91	237.32	
165	272.35	286.93	
170	322.74	339.69	
175	375.34	394.81	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	429.37	451.45	
185	483.99	508.73	
190	538.38	565.78	
195	591.69	621.72	
200	643.14	675.71	
205	692.00	726.98	
210	737.63	774.87	
215	779.51	818.82	
220	817.24	858.42	
225	850.58	893.41	
230	879.42	923.68	
235	903.80	949.28	
240	923.89	970.37	
245	939.98	987.25	
250	952.44	1000.34	
255	961.73	1010.09	
260	968.34	1017.03	
265	972.78	1021.69	
270	975.54	1024.59	
275	977.09	1026.21	
280	977.83	1026.99	
285	978.11	1027.29	
290	978.18	1027.36	
295	978.18	1027.36	
300	978.18	1027.36	
305	978.11	1027.29	
310	977.83	1026.99	
315	977.09	1026.21	
320	975.54	1024.59	
325	972.78	1021.69	
330	968.34	1017.03	
335	961.73	1010.09	
340	952.44	1000.34	
345	939.98	987.25	
350	923.89	970.37	
355	903.80	949.28	

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