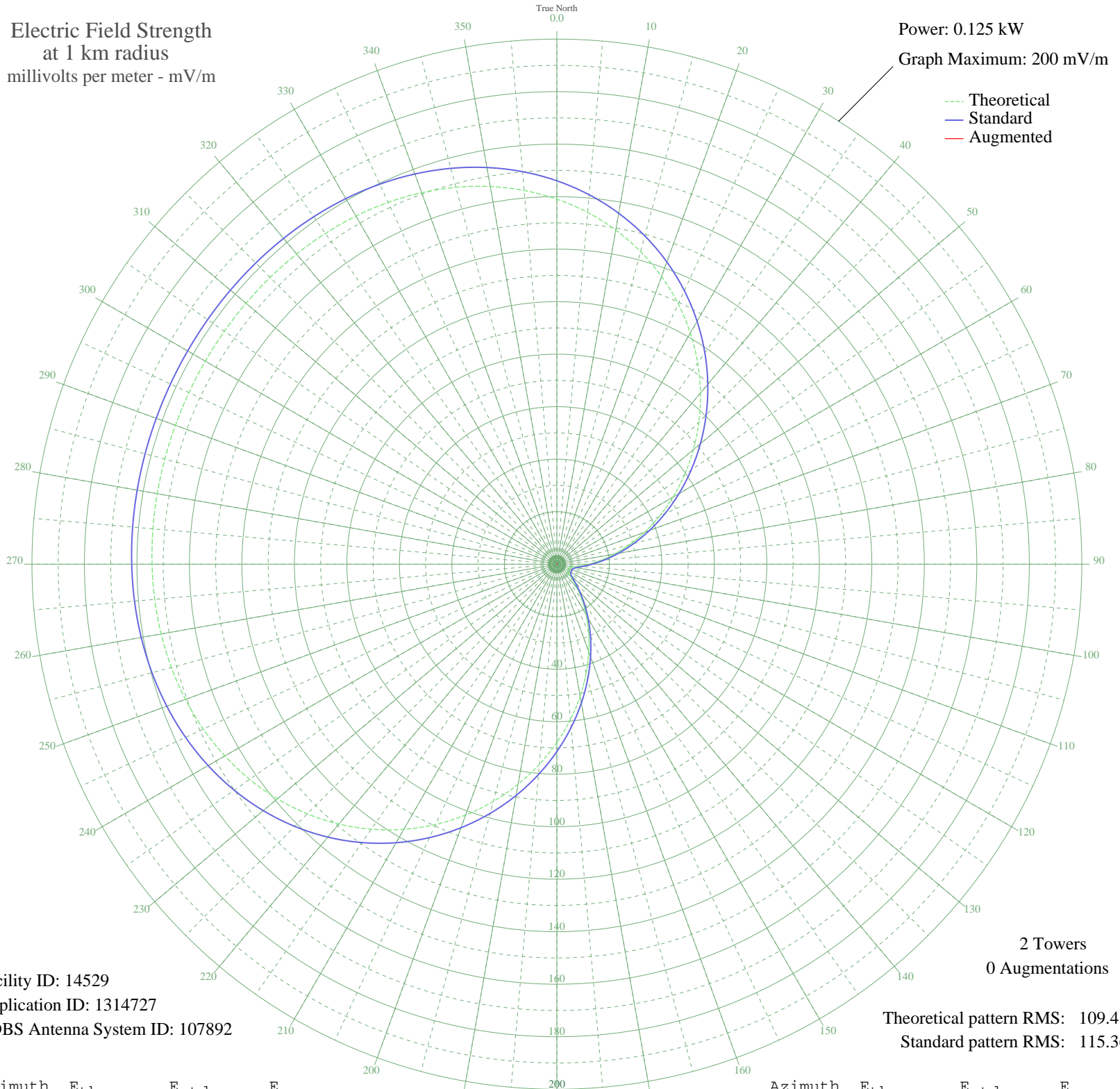


KTMS SANTA BARBARA, CA BSTA-20090605AAP 990 kHz

Nighttime

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

Power: 0.125 kW
Graph Maximum: 200 mV/m



Facility ID: 14529
Application ID: 1314727
CDBS Antenna System ID: 107892

Theoretical pattern RMS: 109.41
Standard pattern RMS: 115.36

Azimuth	E _{theo}	E _{std}	E _{aug}
0	139.04	146.04	
5	134.48	141.25	
10	129.21	135.72	
15	123.25	129.46	
20	116.62	122.51	
25	109.41	114.94	
30	101.69	106.83	
35	93.55	98.30	
40	85.12	89.45	
45	76.52	80.43	
50	67.89	71.38	
55	59.34	62.42	
60	51.03	53.71	
65	43.06	45.37	
70	35.56	37.52	
75	28.63	30.29	
80	22.38	23.79	
85	16.90	18.13	
90	12.30	13.44	
95	8.70	9.86	
100	6.26	7.55	
105	5.05	6.47	
110	4.72	6.20	
115	4.70	6.18	
120	4.72	6.20	
125	5.05	6.47	
130	6.26	7.55	
135	8.70	9.86	
140	12.30	13.44	
145	16.90	18.13	
150	22.38	23.79	
155	28.63	30.29	
160	35.56	37.52	
165	43.06	45.37	
170	51.03	53.71	
175	59.34	62.42	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	67.89	71.38	
185	76.52	80.43	
190	85.12	89.45	
195	93.55	98.30	
200	101.69	106.83	
205	109.41	114.94	
210	116.62	122.51	
215	123.25	129.46	
220	129.21	135.72	
225	134.48	141.25	
230	139.04	146.04	
235	142.90	150.09	
240	146.07	153.42	
245	148.62	156.09	
250	150.59	158.16	
255	152.06	159.70	
260	153.10	160.80	
265	153.80	161.54	
270	154.24	161.99	
275	154.48	162.25	
280	154.60	162.37	
285	154.65	162.42	
290	154.66	162.43	
295	154.66	162.43	
300	154.66	162.43	
305	154.65	162.42	
310	154.60	162.37	
315	154.48	162.25	
320	154.24	161.99	
325	153.80	161.54	
330	153.10	160.80	
335	152.06	159.70	
340	150.59	158.16	
345	148.62	156.09	
350	146.07	153.42	
355	142.90	150.09	

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