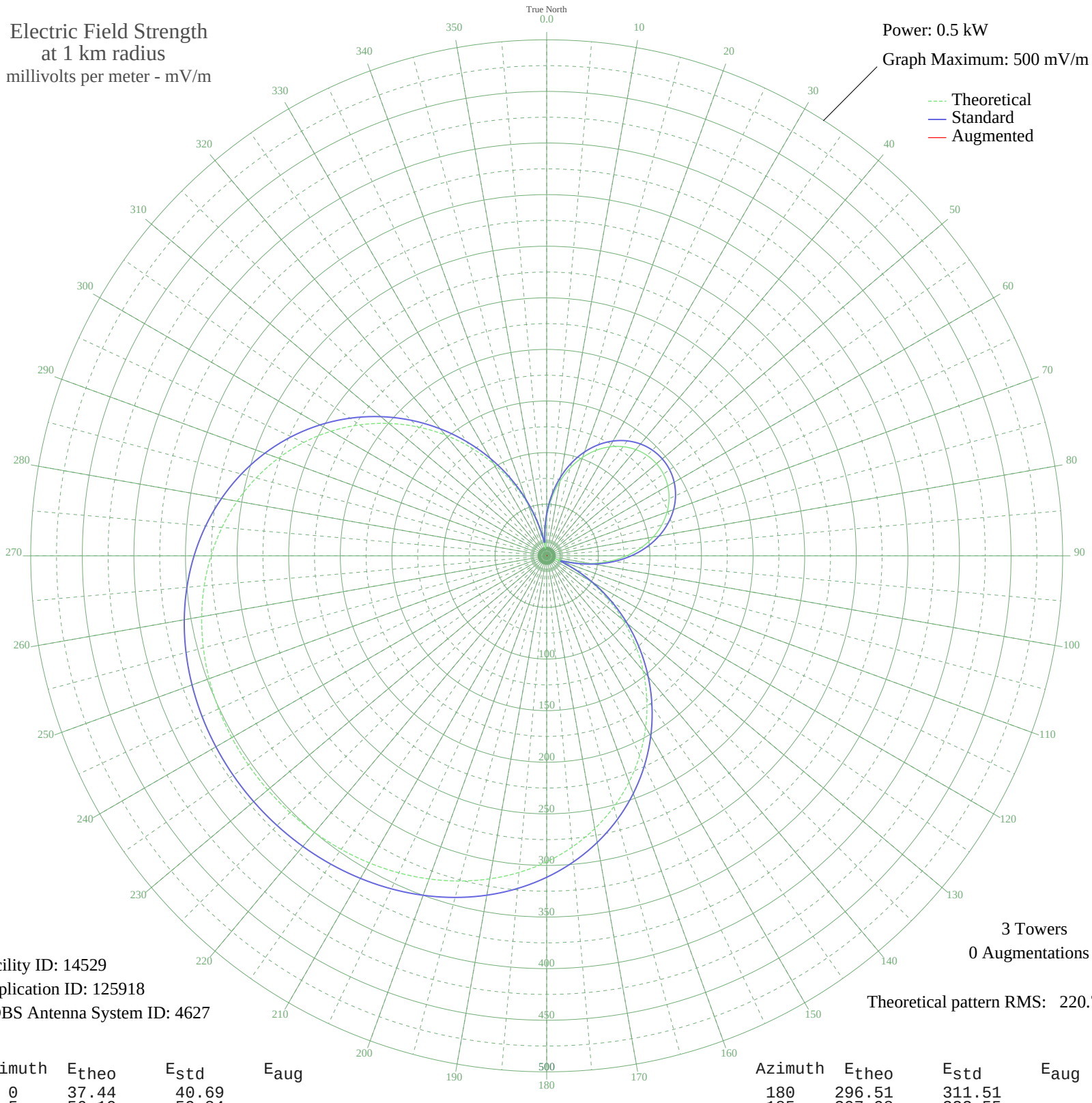
KTMS SANTA BARBARA, CA BL-19890314AA 990 kHz

Nighttime

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



Power: 0.5 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 14529
Application ID: 125918
CDBS Antenna System ID: 4627

Theoretical pattern RMS: 220.70

Azimuth	E_{theo}	E_{std}	E_{aug}
0	37.44	40.69	
5	56.10	59.84	
10	73.10	77.47	
15	88.25	93.25	
20	101.45	107.04	
25	112.68	118.78	
30	121.90	128.42	
35	129.11	135.98	
40	134.34	141.45	
45	137.59	144.85	
50	138.86	146.18	
55	138.17	145.45	
60	135.50	142.66	
65	130.84	137.78	
70	124.18	130.81	
75	115.50	121.72	
80	104.79	110.53	
85	92.09	97.26	
90	77.42	81.97	
95	60.89	64.80	
100	42.70	46.05	
105	23.40	26.72	
110	9.08	14.18	
115	24.65	27.93	
120	47.62	51.09	
125	71.80	76.11	
130	96.44	101.81	
135	121.13	127.62	
140	145.47	153.11	
145	169.15	177.92	
150	191.85	201.71	
155	213.31	224.22	
160	233.31	245.21	
165	251.71	264.51	
170	268.40	282.01	
175	283.33	297.68	
180	296.51	311.51	
185	307.98	323.55	
190	317.85	333.91	
195	326.21	342.69	
200	333.21	350.02	
205	338.96	356.06	
210	343.59	360.92	
215	347.21	364.73	
220	349.92	367.57	
225	351.77	369.51	
230	352.80	370.59	
235	353.00	370.80	
240	352.34	370.11	
245	350.76	368.45	
250	348.17	365.73	
255	344.45	361.83	
260	339.49	356.62	
265	333.14	349.96	
270	325.28	341.71	
275	315.79	331.74	
280	304.55	319.95	
285	291.50	306.26	
290	276.61	290.63	
295	259.88	273.08	
300	241.38	253.66	
305	221.21	232.51	
310	199.55	209.80	
315	176.63	185.76	
320	152.71	160.69	
325	128.09	134.90	
330	103.10	108.77	
335	78.12	82.69	
340	53.50	57.15	
345	29.76	32.96	
350	9.07	14.18	
355	17.71	21.35	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission