

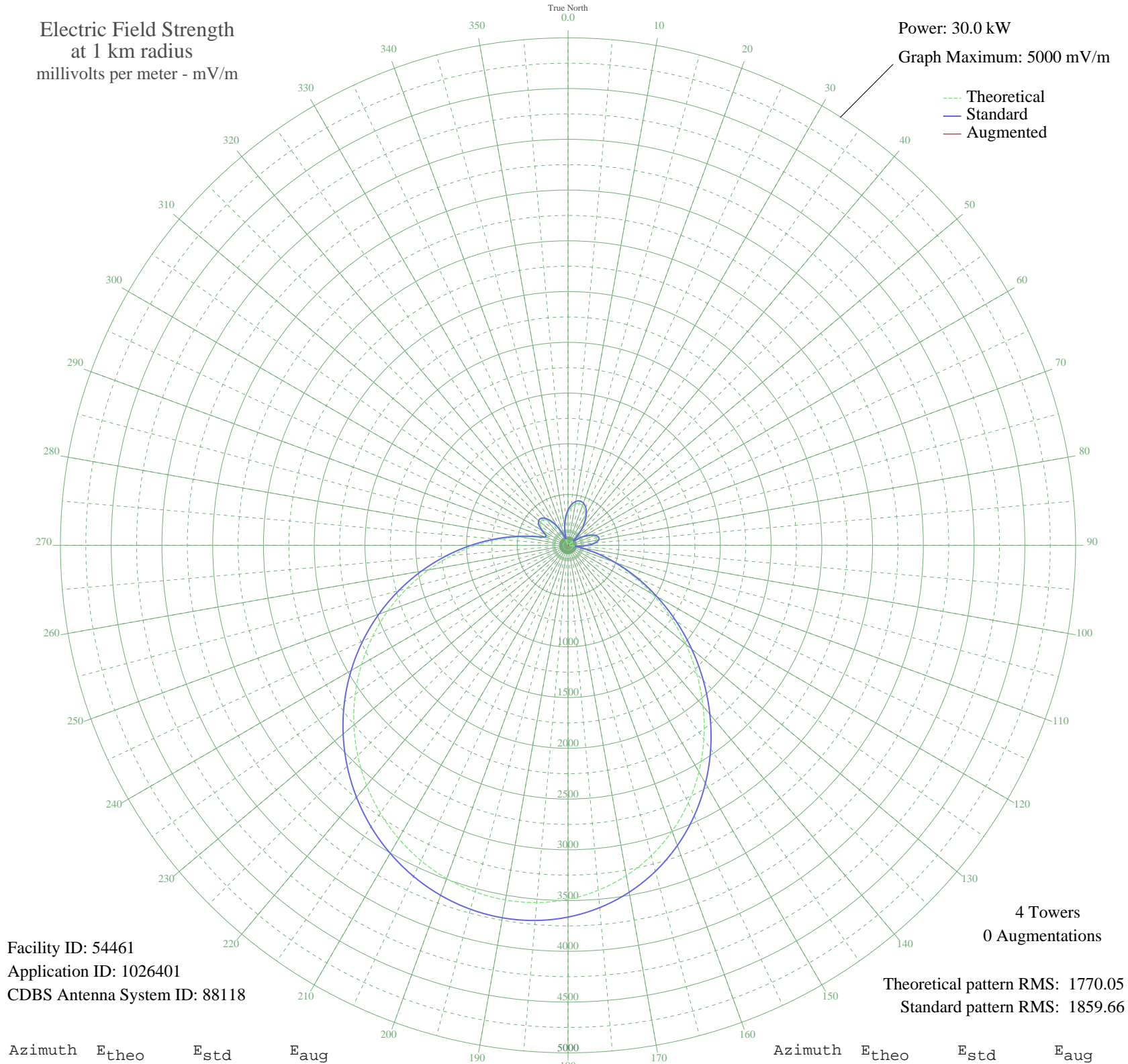
KPRZ SAN MARCOS-POWAY, CA BP-20040109ACV 1210 kHz

Nighttime

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

Power: 30.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 54461  
Application ID: 1026401  
CDBS Antenna System ID: 88118

4 Towers  
0 Augmentations

Theoretical pattern RMS: 1770.05  
Standard pattern RMS: 1859.66

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	325.95	348.22	
5	379.26	403.37	
10	412.98	438.36	
15	425.64	451.51	
20	416.86	442.39	
25	387.33	411.74	
30	338.76	361.45	
35	273.82	294.59	
40	196.03	215.62	
45	109.69	131.87	
50	19.90	67.54	
55	68.72	96.60	
60	149.50	169.61	
65	217.06	236.79	
70	265.69	286.28	
75	290.11	311.31	
80	285.68	306.76	
85	248.68	268.89	
90	176.59	196.22	
95	68.61	96.51	
100	77.93	104.02	
105	256.40	276.77	
110	466.48	494.00	
115	703.23	741.18	
120	960.99	1011.08	
125	1233.35	1296.61	
130	1513.46	1590.43	
135	1794.38	1885.19	
140	2069.37	2173.79	
145	2332.24	2449.69	
150	2577.48	2707.12	
155	2800.50	2941.23	
160	2997.65	3148.19	
165	3166.28	3325.22	
170	3304.66	3470.49	
175	3411.92	3583.09	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	3487.92	3662.88	
185	3533.10	3710.31	
190	3548.38	3726.35	
195	3534.94	3712.25	
200	3494.18	3669.46	
205	3427.54	3599.49	
210	3336.42	3503.83	
215	3222.19	3383.91	
220	3086.10	3241.04	
225	2929.38	3076.52	
230	2753.27	2891.65	
235	2559.16	2687.89	
240	2348.73	2467.01	
245	2124.09	2231.22	
250	1887.92	1983.35	
255	1643.62	1726.99	
260	1395.36	1466.54	
265	1148.17	1207.29	
270	907.97	955.53	
275	681.84	718.81	
280	479.07	507.11	
285	315.03	336.96	
290	221.23	241.00	
295	225.16	244.98	
300	278.74	299.64	
305	328.24	350.59	
310	354.57	377.79	
315	353.04	376.21	
320	324.24	346.46	
325	271.30	292.01	
330	198.82	218.42	
335	112.35	134.31	
340	18.25	67.02	
345	79.01	104.92	
350	171.78	191.46	
355	255.60	275.95	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission