

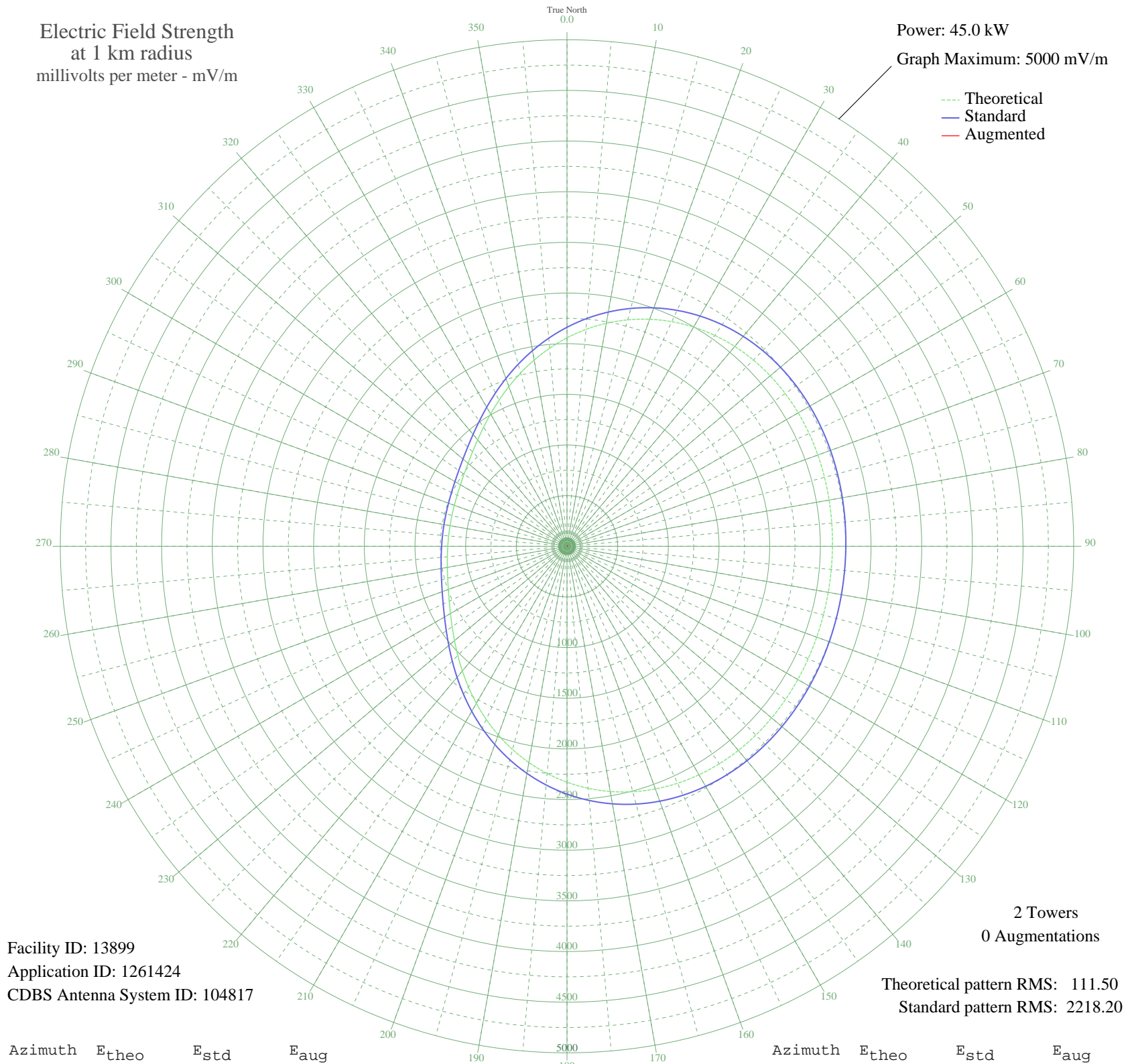
**KSPA CHINO, CA BP-20041115AFC 1510 kHz**

**Critical Hours**

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

Power: 45.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 13899  
Application ID: 1261424  
CDBS Antenna System ID: 104817

Theoretical pattern RMS: 111.50  
Standard pattern RMS: 2218.20

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	2057.77	2161.81	
5	2149.08	2257.63	
10	2234.94	2347.74	
15	2313.81	2430.53	
20	2384.52	2504.74	
25	2446.26	2569.53	
30	2498.59	2624.46	
35	2541.48	2669.48	
40	2575.23	2704.91	
45	2600.46	2731.39	
50	2618.02	2749.83	
55	2628.98	2761.33	
60	2634.52	2767.14	
65	2635.86	2768.55	
70	2634.25	2766.85	
75	2630.84	2763.28	
80	2626.69	2758.93	
85	2622.70	2754.73	
90	2619.57	2751.45	
95	2617.79	2749.58	
100	2617.62	2749.40	
105	2619.09	2750.95	
110	2621.98	2753.98	
115	2625.85	2758.05	
120	2630.04	2762.44	
125	2633.67	2766.25	
130	2635.73	2768.42	
135	2635.08	2767.73	
140	2630.48	2762.91	
145	2620.71	2752.64	
150	2604.55	2735.69	
155	2580.94	2710.90	
160	2548.95	2677.32	
165	2507.92	2634.26	
170	2457.48	2581.32	
175	2397.61	2518.47	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	2328.64	2446.09	
185	2251.32	2364.93	
190	2166.74	2276.17	
195	2076.39	2181.34	
200	1982.02	2082.31	
205	1885.65	1981.18	
210	1789.44	1880.23	
215	1695.61	1781.79	
220	1606.32	1688.10	
225	1523.50	1601.23	
230	1448.79	1522.86	
235	1383.36	1454.23	
240	1327.84	1396.01	
245	1282.29	1348.25	
250	1246.25	1310.45	
255	1218.81	1281.69	
260	1198.85	1260.76	
265	1185.13	1246.38	
270	1176.57	1237.40	
275	1172.33	1232.96	
280	1171.95	1232.56	
285	1175.39	1236.17	
290	1183.03	1244.18	
295	1195.64	1257.40	
300	1214.26	1276.92	
305	1240.11	1304.01	
310	1274.34	1339.91	
315	1317.94	1385.63	
320	1371.45	1441.74	
325	1434.93	1508.33	
330	1507.87	1584.83	
335	1589.18	1670.12	
340	1677.33	1762.60	
345	1770.41	1860.27	
350	1866.32	1960.90	
355	1962.84	2062.18	

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