

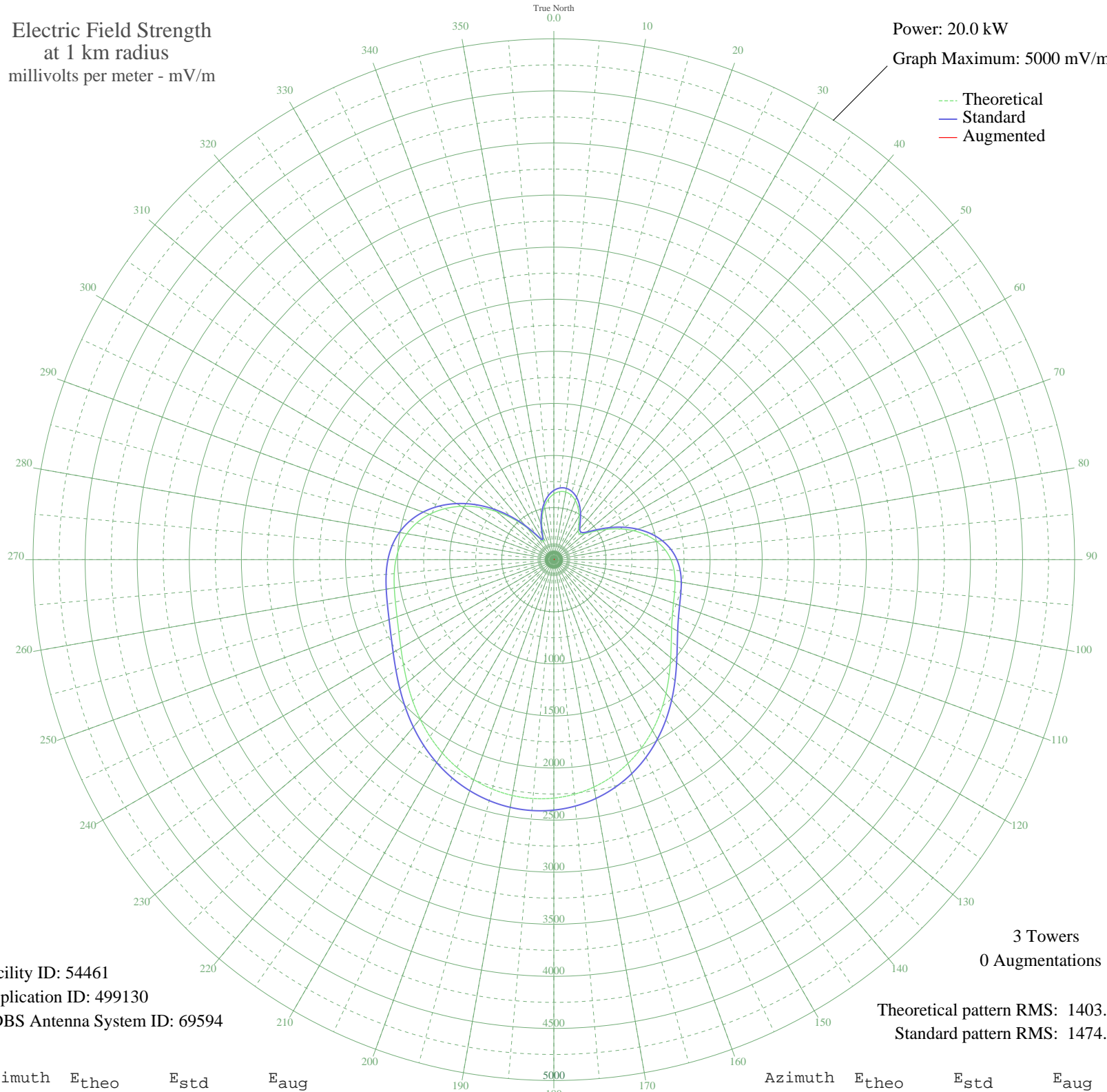
KPRZ SAN MARCOS-POWAY, CA BL-20000515ACU 1210 kHz

Daytime

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

Power: 20.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 54461  
Application ID: 499130  
CDBS Antenna System ID: 69594

3 Towers  
0 Augmentations

Theoretical pattern RMS: 1403.01  
Standard pattern RMS: 1474.25

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	630.64	664.60	
5	655.92	691.05	
10	659.38	694.66	
15	641.67	676.13	
20	604.38	637.12	
25	550.44	580.74	
30	485.05	512.45	
35	417.49	442.02	
40	364.33	386.73	
45	349.44	371.26	
50	388.67	412.03	
55	473.08	499.96	
60	582.12	613.85	
65	699.17	736.31	
70	813.07	855.60	
75	916.29	963.77	
80	1003.90	1055.62	
85	1073.26	1128.35	
90	1124.13	1181.70	
95	1158.74	1218.00	
100	1181.86	1242.24	
105	1200.36	1261.65	
110	1222.40	1284.77	
115	1255.83	1319.84	
120	1306.41	1372.90	
125	1376.41	1446.34	
130	1464.33	1538.60	
135	1565.82	1645.08	
140	1675.05	1759.71	
145	1786.03	1876.19	
150	1893.42	1988.90	
155	1992.88	2093.29	
160	2081.17	2185.97	
165	2156.05	2264.56	
170	2216.10	2327.60	
175	2260.54	2374.25	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	2289.06	2404.18	
185	2301.66	2417.41	
190	2298.57	2414.16	
195	2280.24	2394.92	
200	2247.34	2360.39	
205	2200.86	2311.59	
210	2142.22	2250.04	
215	2073.42	2177.83	
220	1997.18	2097.81	
225	1916.99	2013.63	
230	1837.02	1929.70	
235	1761.84	1850.80	
240	1695.81	1781.51	
245	1642.22	1725.26	
250	1602.31	1683.38	
255	1574.71	1654.42	
260	1555.36	1634.11	
265	1538.21	1616.12	
270	1516.34	1593.17	
275	1483.14	1558.32	
280	1433.19	1505.91	
285	1362.89	1432.16	
290	1270.68	1335.41	
295	1157.00	1216.17	
300	1024.14	1076.84	
305	875.99	921.53	
310	717.77	755.78	
315	556.17	586.73	
320	400.59	424.42	
325	268.64	287.71	
330	202.81	220.36	
335	241.84	260.19	
340	334.00	355.26	
345	431.03	456.12	
350	516.30	545.07	
355	583.73	615.53	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission