

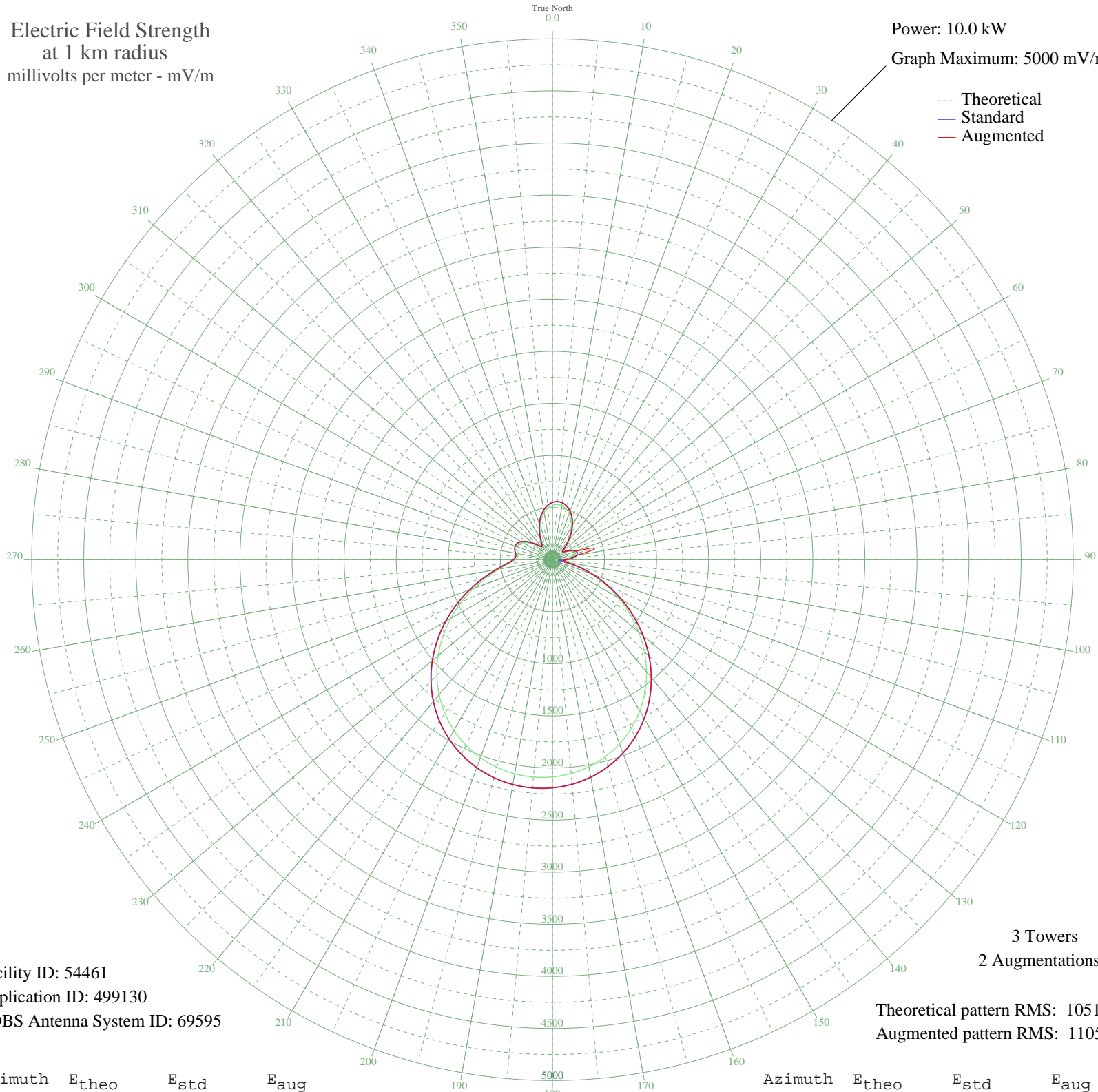
KPRZ SAN MARCOS-POWAY, CA BL-20000515ACU 1210 kHz

Nighttime

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

Power: 10.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
- Standard  
- Augmented



Facility ID: 54461  
Application ID: 499130  
CDBS Antenna System ID: 69595

3 Towers  
2 Augmentations

Theoretical pattern RMS: 1051.00  
Augmented pattern RMS: 1105.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	521.56	549.62	549.62
5	531.19	559.69	559.69
10	525.45	553.69	553.69
15	504.57	531.85	531.85
20	469.32	494.98	494.98
25	421.04	444.54	444.54
30	361.79	382.73	382.73
35	294.54	312.76	312.76
40	223.77	239.53	239.53
45	157.39	171.70	171.70
50	112.85	127.33	127.33
55	115.37	129.79	129.79
60	152.52	166.79	166.79
65	193.21	208.16	208.16
70	222.16	237.88	237.88
75	232.11	248.14	419.50
80	218.87	234.49	234.49
85	180.09	194.76	194.76
90	115.33	129.76	129.76
95	32.77	57.93	122.31
100	99.22	114.13	119.38
105	234.81	250.92	250.92
110	388.99	411.09	411.09
115	555.91	585.56	585.56
120	730.29	768.22	768.22
125	906.95	953.44	953.44
130	1081.06	1136.07	1136.07
135	1248.29	1311.53	1311.53
140	1405.04	1476.03	1476.03
145	1548.49	1626.58	1626.58
150	1676.60	1761.04	1761.04
155	1788.07	1878.06	1878.06
160	1882.24	1976.90	1976.90
165	1958.88	2057.36	2057.36
170	2018.13	2119.55	2119.55
175	2060.27	2163.78	2163.78

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.

31 Aug 2008

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	2085.62	2190.39	2190.39
185	2094.45	2199.66	2199.66
190	2086.90	2191.74	2191.74
195	2062.96	2166.60	2166.60
200	2022.49	2124.13	2124.13
205	1965.30	2064.09	2064.09
210	1891.23	1986.34	1986.34
215	1800.30	1890.89	1890.89
220	1692.86	1778.11	1778.11
225	1569.75	1648.90	1648.90
230	1432.52	1504.87	1504.87
235	1283.52	1348.51	1348.51
240	1126.09	1183.32	1183.32
245	964.66	1013.96	1013.96
250	804.91	846.44	846.44
255	654.05	688.33	688.33
260	521.26	549.31	549.31
265	417.89	441.25	441.25
270	354.89	375.54	375.54
275	333.87	353.65	353.65
280	340.44	360.49	360.49
285	354.15	374.76	374.76
290	360.26	381.13	381.13
295	351.50	372.00	372.00
300	325.83	345.29	345.29
305	284.87	302.72	302.72
310	233.44	249.50	249.50
315	181.38	196.07	196.07
320	148.69	162.93	162.93
325	160.42	174.77	174.77
330	211.37	226.78	226.78
335	277.76	295.35	295.35
340	345.22	365.47	365.47
345	406.66	429.53	429.53
350	458.05	483.21	483.21
355	496.88	523.80	523.80