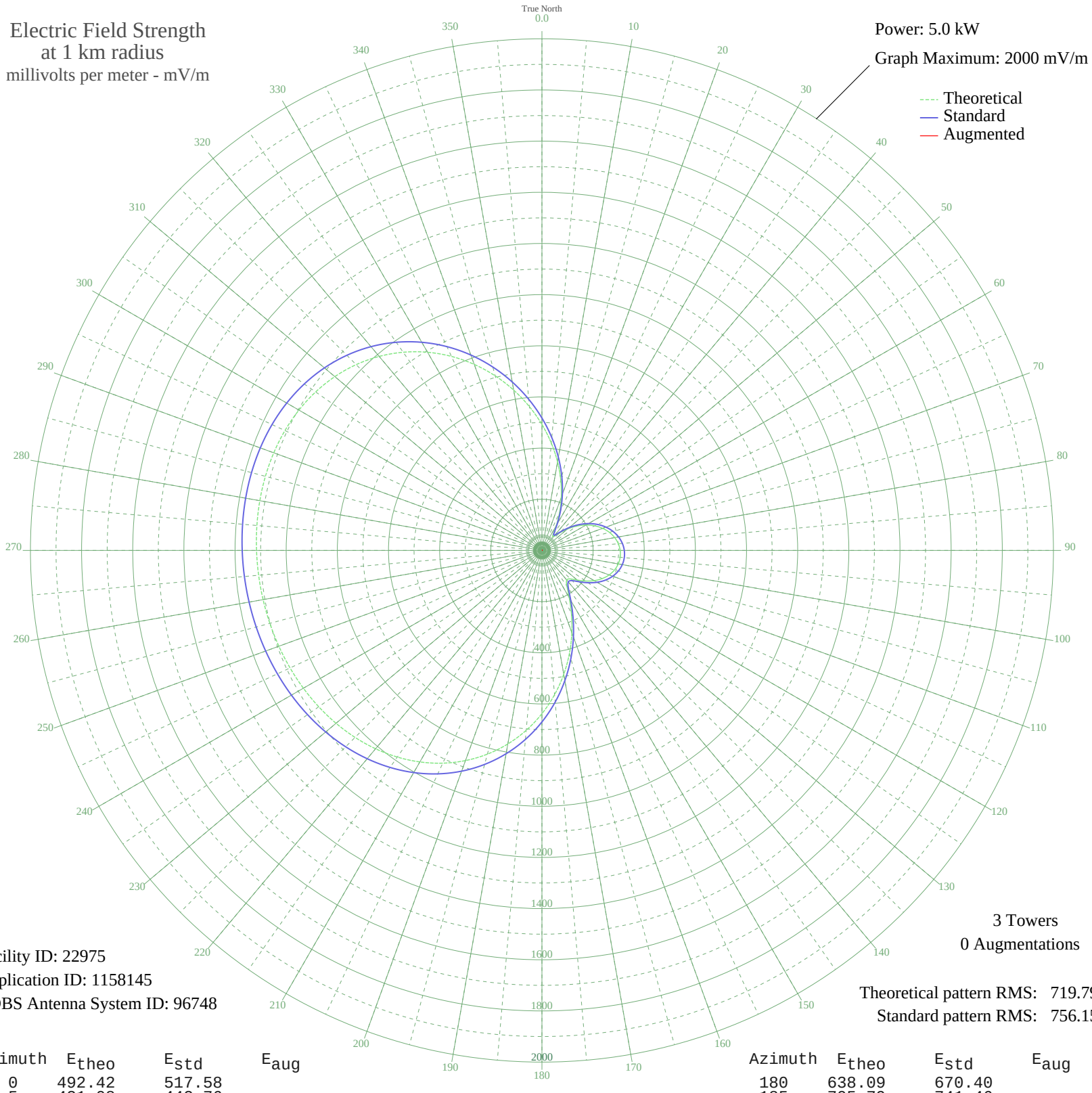
KPAY CHICO, CA BL-20060302ADI 1290 kHz

Nighttime

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



Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 22975
Application ID: 1158145
CDBS Antenna System ID: 96748

Theoretical pattern RMS: 719.79
Standard pattern RMS: 756.15

Azimuth	E_{theo}	E_{std}	E_{aug}
0	492.42	517.58	
5	421.08	442.76	
10	351.56	369.88	
15	284.72	299.88	
20	221.44	233.70	
25	162.91	172.66	
30	111.69	119.60	
35	75.31	82.49	
40	70.35	77.51	
45	95.50	102.99	
50	130.43	138.95	
55	165.78	175.65	
60	198.59	209.84	
65	227.73	240.26	
70	252.65	266.32	
75	273.08	287.70	
80	288.84	304.19	
85	299.80	315.67	
90	305.89	322.04	
95	307.02	323.22	
100	303.07	319.09	
105	293.96	309.55	
110	279.62	294.54	
115	260.14	274.16	
120	235.96	248.86	
125	208.28	219.95	
130	180.01	190.46	
135	157.34	166.87	
140	150.94	160.21	
145	170.14	180.18	
150	213.50	225.40	
155	273.06	287.67	
160	342.03	359.89	
165	415.87	437.30	
170	491.39	516.49	
175	566.11	594.88	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	638.09	670.40	
185	705.79	741.46	
190	768.12	806.87	
195	824.35	865.89	
200	874.14	918.15	
205	917.47	963.63	
210	954.58	1002.58	
215	985.89	1035.45	
220	1011.97	1062.83	
225	1033.47	1085.40	
230	1051.06	1103.86	
235	1065.38	1118.89	
240	1077.06	1131.16	
245	1086.66	1141.23	
250	1094.64	1149.62	
255	1101.39	1156.69	
260	1107.14	1162.74	
265	1112.02	1167.86	
270	1115.98	1172.02	
275	1118.82	1174.99	
280	1120.14	1176.39	
285	1119.41	1175.61	
290	1115.90	1171.93	
295	1108.79	1164.47	
300	1097.21	1152.31	
305	1080.25	1134.51	
310	1057.13	1110.24	
315	1027.22	1078.84	
320	990.14	1039.92	
325	945.83	993.40	
330	894.56	939.58	
335	836.95	879.11	
340	773.93	812.96	
345	706.65	742.36	
350	636.43	668.66	
355	564.59	593.29	

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission