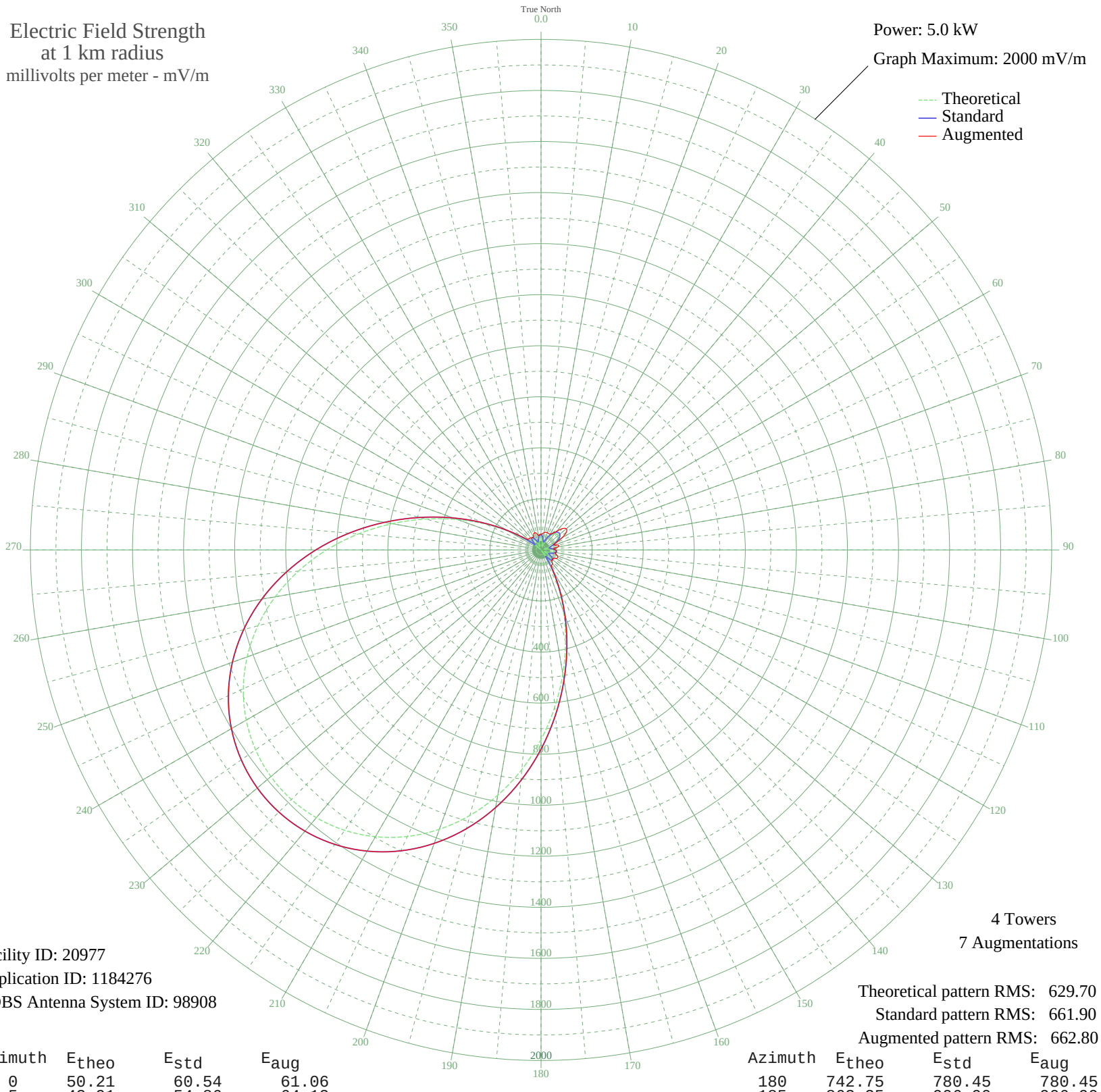
KECR EL CAJON, CA BL-20070430CGQ 910 kHz

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

4 Towers
7 Augmentations

Facility ID: 20977
Application ID: 1184276
CDBS Antenna System ID: 98908

Theoretical pattern RMS: 629.70
Standard pattern RMS: 661.90
Augmented pattern RMS: 662.80

Azimuth	E_{theo}	E_{std}	E_{aug}
0	50.21	60.54	61.06
5	43.91	54.86	64.12
10	31.39	44.39	68.96
15	16.07	34.20	72.09
20	15.72	34.02	72.00
25	34.18	46.61	70.41
30	53.59	63.65	71.78
35	70.05	79.33	79.74
40	81.71	90.81	96.07
45	87.48	96.55	118.08
50	86.83	95.90	129.08
55	79.82	88.94	120.74
60	67.09	76.47	94.22
65	49.87	60.23	61.76
70	30.19	43.47	55.11
75	13.28	32.85	71.09
80	18.96	35.79	65.86
85	34.28	46.69	49.09
90	45.72	56.48	56.48
95	50.60	60.89	60.89
100	47.94	58.47	58.47
105	38.04	49.80	58.77
110	23.12	38.39	68.28
115	13.53	32.97	72.35
120	26.30	40.59	66.45
125	41.62	52.86	58.34
130	49.25	59.65	59.65
135	44.06	55.00	58.66
140	22.22	37.80	69.90
145	19.15	35.90	72.30
150	80.38	89.49	94.37
155	161.21	171.86	171.86
160	259.29	273.87	273.87
165	371.06	390.74	390.74
170	492.10	517.56	517.56
175	617.58	649.14	649.14

Azimuth	E_{theo}	E_{std}	E_{aug}
180	742.75	780.45	780.45
185	863.25	906.90	906.90
190	975.47	1024.68	1024.68
195	1076.58	1130.80	1130.80
200	1164.62	1223.21	1223.21
205	1238.35	1300.60	1300.60
210	1297.14	1362.32	1362.32
215	1340.78	1408.13	1408.13
220	1369.29	1438.06	1438.06
225	1382.75	1452.20	1452.20
230	1381.26	1450.63	1450.63
235	1364.79	1433.34	1433.34
240	1333.27	1400.24	1400.24
245	1286.59	1351.25	1351.25
250	1224.78	1286.37	1286.37
255	1148.12	1205.90	1205.90
260	1057.35	1110.62	1110.62
265	953.84	1001.97	1001.97
270	839.71	882.20	882.20
275	717.96	754.44	754.44
280	592.36	622.69	622.69
285	467.38	491.65	491.65
290	347.81	366.41	366.41
295	238.45	252.13	252.13
300	143.57	153.65	153.84
305	66.52	75.91	85.96
310	9.45	31.36	64.66
315	28.05	41.86	64.75
320	46.32	57.01	61.05
325	48.60	59.07	59.07
330	38.97	50.59	59.44
335	22.96	38.29	68.22
340	13.65	33.02	72.38
345	26.27	40.57	66.43
350	40.53	51.92	57.49
355	49.08	59.50	59.50

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission