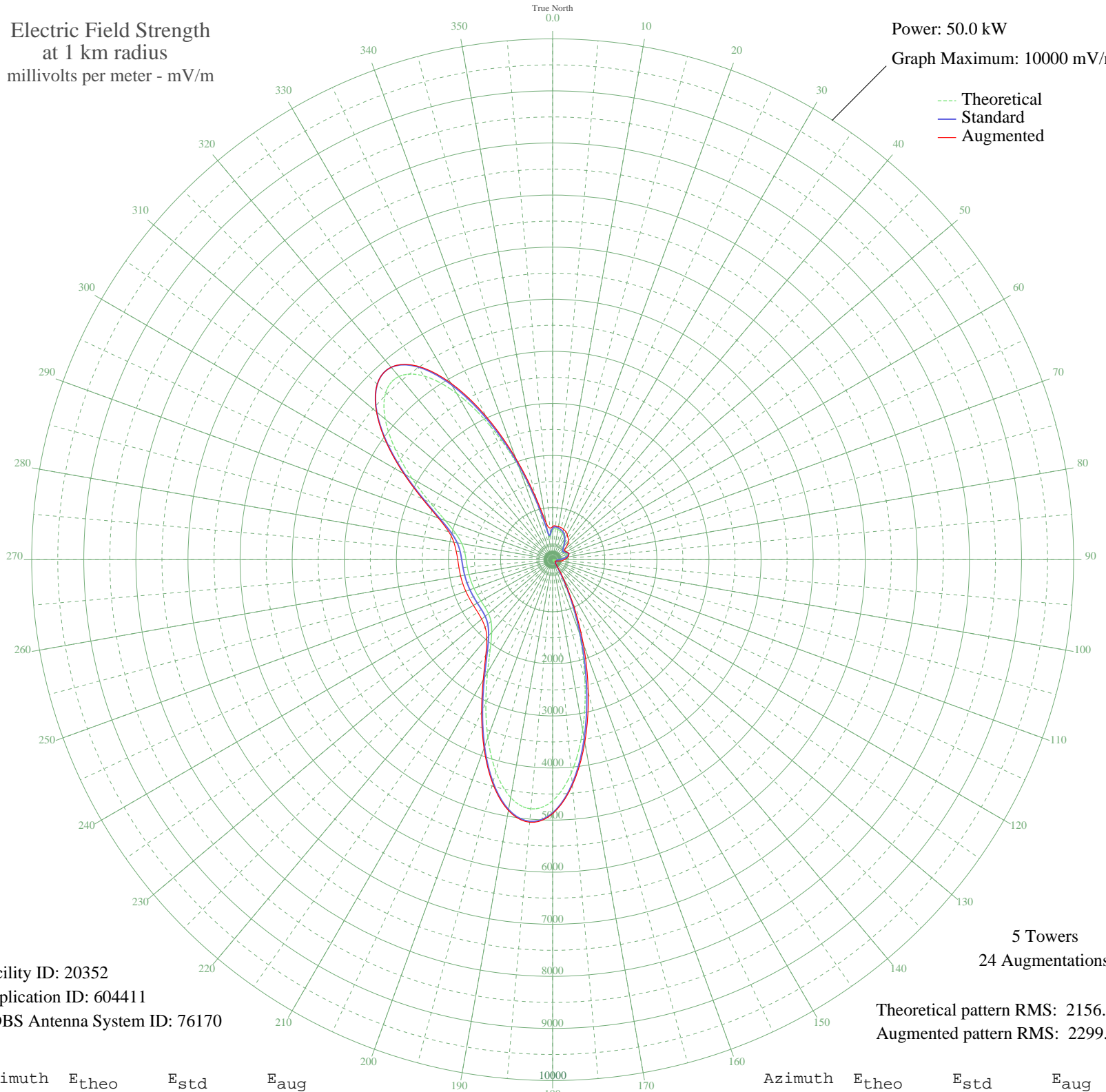


# KHTK SACRAMENTO, CA BML-20020408ABQ 1140 kHz

Nighttime

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

Power: 50.0 kW  
Graph Maximum: 10000 mV/m



Facility ID: 20352  
Application ID: 604411  
CDBS Antenna System ID: 76170

5 Towers  
24 Augmentations  
Theoretical pattern RMS: 2156.52  
Augmented pattern RMS: 2299.14

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	572.64	605.84	635.70
5	599.77	634.12	651.36
10	584.97	618.69	642.60
15	565.68	598.58	636.45
20	540.66	572.53	615.33
25	498.61	528.78	595.88
30	439.90	467.83	557.96
35	373.30	398.93	513.42
40	308.03	331.84	475.23
45	254.09	276.94	394.05
50	226.12	248.77	298.04
55	233.60	256.27	289.96
60	263.48	286.45	301.08
65	291.89	315.35	321.68
70	301.43	325.09	333.30
75	283.81	307.11	319.73
80	238.48	261.18	296.12
85	171.34	194.62	261.56
90	93.60	123.18	218.05
95	20.02	77.17	195.21
100	35.00	82.85	150.76
105	59.51	97.04	98.51
110	51.32	91.74	72.57
115	20.45	77.29	56.41
120	20.31	77.25	56.59
125	35.46	83.06	53.11
130	17.12	76.39	57.41
135	26.50	79.29	67.19
140	50.03	90.95	74.03
145	22.39	77.88	128.75
150	273.21	296.32	378.20
155	764.52	806.17	899.99
160	1496.49	1573.06	1718.93
165	2394.30	2515.11	2639.32
170	3319.93	3486.72	3558.55
175	4110.79	4316.97	4345.65

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	4629.29	4861.32	4876.80
185	4802.69	5043.37	5060.86
190	4638.41	4870.90	4890.25
195	4212.05	4423.27	4447.88
200	3637.56	3820.16	3852.46
205	3033.64	3186.19	3226.73
210	2497.20	2623.12	2666.23
215	2087.69	2193.33	2238.33
220	1820.87	1913.36	1967.66
225	1674.69	1759.99	1833.84
230	1609.11	1691.20	1778.33
235	1587.90	1668.94	1756.72
240	1587.74	1668.78	1755.39
245	1596.38	1677.84	1762.72
250	1608.02	1690.06	1773.56
255	1620.06	1702.68	1785.10
260	1631.66	1714.85	1794.57
265	1643.89	1727.68	1804.56
270	1661.39	1746.04	1821.86
275	1695.86	1782.20	1858.79
280	1770.75	1860.77	1926.15
285	1922.64	2020.14	2064.23
290	2191.10	2301.85	2334.45
295	2595.51	2726.30	2755.91
300	3114.64	3271.21	3299.16
305	3682.03	3866.84	3886.30
310	4195.04	4405.42	4414.02
315	4533.96	4761.24	4762.53
320	4590.97	4821.09	4822.78
325	4304.25	4520.07	4539.38
330	3685.47	3870.45	3920.02
335	2827.37	2969.66	3049.71
340	1884.82	1980.46	2075.65
345	1040.30	1094.83	1216.15
350	504.69	535.10	716.49
355	469.30	498.33	610.12

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission