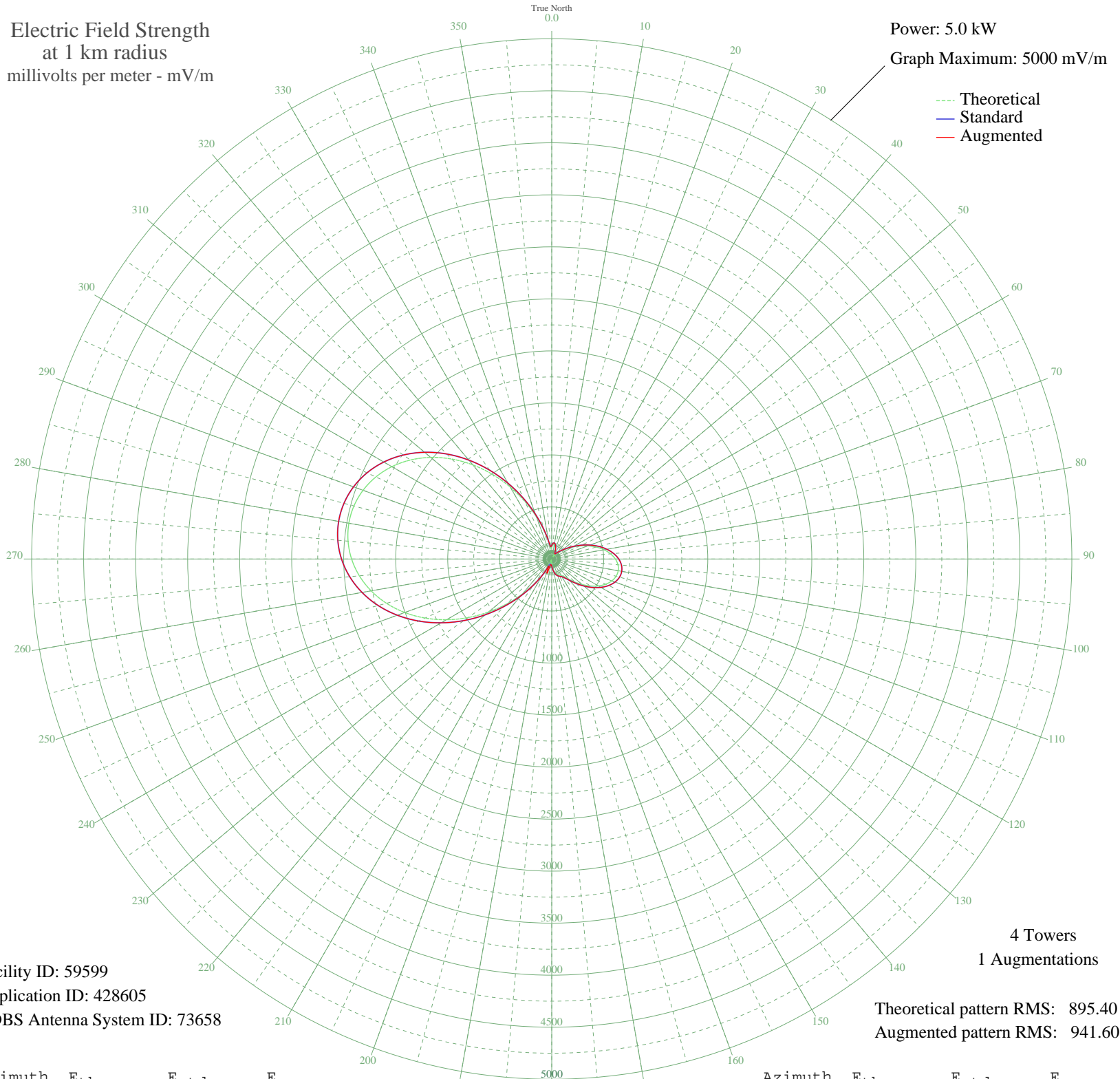


# KTKZ SACRAMENTO, CA BL-19991215AAM 1380 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 59599  
Application ID: 428605  
CDBS Antenna System ID: 73658

Theoretical pattern RMS: 895.40  
Augmented pattern RMS: 941.60

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	116.45	132.07	132.07
5	137.44	152.71	152.71
10	140.17	155.42	155.42
15	123.24	138.70	138.70
20	92.29	109.02	109.02
25	55.58	76.80	76.80
30	26.15	56.98	56.98
35	33.37	61.00	61.00
40	58.00	78.75	78.75
45	84.86	102.14	102.14
50	119.11	134.66	134.66
55	165.97	181.28	181.28
60	225.89	242.38	242.38
65	295.45	314.21	314.21
70	369.58	391.26	391.26
75	442.90	467.72	467.72
80	510.37	538.21	538.21
85	567.67	598.14	598.14
90	611.33	643.84	643.84
95	638.89	672.69	672.69
100	648.82	683.09	683.09
105	640.62	674.50	674.50
110	614.74	647.41	647.41
115	572.71	603.41	603.41
120	517.10	545.25	545.25
125	451.67	476.88	476.88
130	381.39	403.56	403.56
135	312.50	331.90	331.90
140	252.25	269.53	269.53
145	207.58	223.61	223.61
150	181.25	196.76	196.76
155	167.92	183.25	183.25
160	157.03	172.28	172.28
165	140.09	155.34	155.34
170	113.91	129.61	129.61
175	80.33	98.02	98.02

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	45.52	69.12	69.12
185	22.52	55.25	55.25
190	23.63	55.76	55.76
195	19.62	54.02	79.75
200	13.71	51.96	135.09
205	71.60	90.25	90.25
210	163.93	179.22	179.22
215	287.53	306.01	306.01
220	438.03	462.63	462.63
225	609.05	641.45	641.45
230	792.94	834.08	834.08
235	981.64	1031.93	1031.93
240	1167.40	1226.78	1226.78
245	1343.36	1411.41	1411.41
250	1503.90	1579.89	1579.89
255	1644.74	1727.69	1727.69
260	1762.86	1851.68	1851.68
265	1856.37	1949.82	1949.82
270	1924.13	2020.96	2020.96
275	1965.61	2064.49	2064.49
280	1980.53	2080.16	2080.16
285	1968.83	2067.87	2067.87
290	1930.48	2027.62	2027.62
295	1865.63	1959.54	1959.54
300	1774.67	1864.08	1864.08
305	1658.52	1742.16	1742.16
310	1518.83	1595.55	1595.55
315	1358.32	1427.11	1427.11
320	1181.00	1241.06	1241.06
325	992.28	1043.09	1043.09
330	798.97	840.40	840.40
335	609.10	641.50	641.50
340	431.68	456.01	456.01
345	276.87	294.97	294.97
350	158.66	173.91	173.91
355	103.96	120.04	120.04