

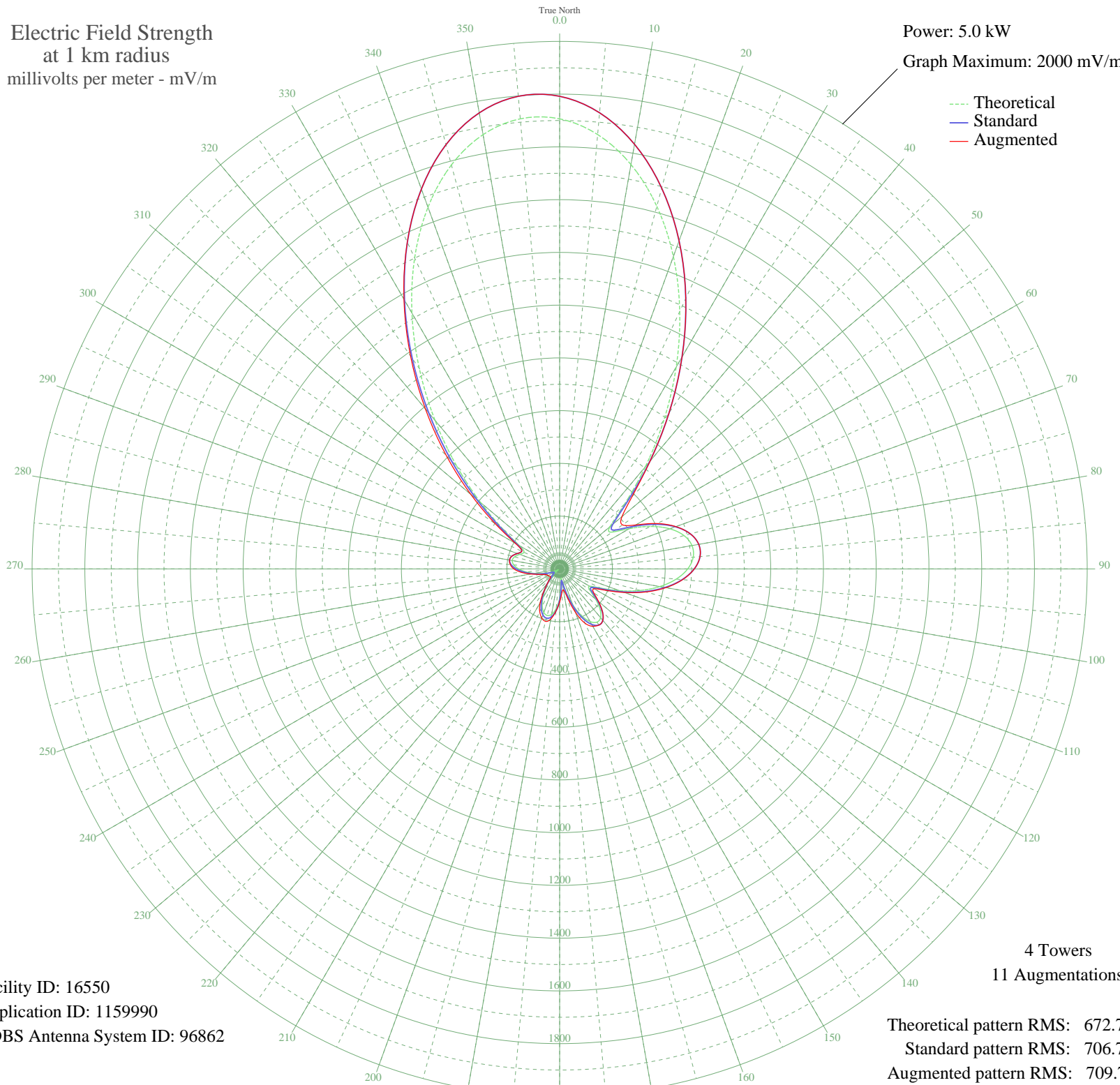
KRHW SIKESTON, MO BL-20061106ADE 1520 kHz

Critical Hours

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m



Facility ID: 16550
Application ID: 1159990
CDBS Antenna System ID: 96862

4 Towers
11 Augmentations
Theoretical pattern RMS: 672.71
Standard pattern RMS: 706.74
Augmented pattern RMS: 709.77

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1706.44	1791.91	1791.91
5	1653.18	1736.00	1736.00
10	1556.81	1634.81	1634.81
15	1423.32	1494.67	1494.67
20	1260.52	1323.75	1323.75
25	1077.38	1131.50	1131.50
30	883.55	928.03	928.03
35	689.17	724.01	724.01
40	505.61	531.41	533.06
45	348.83	367.02	388.87
50	249.00	262.50	308.46
55	243.37	256.61	290.85
60	305.61	321.74	333.00
65	380.86	400.59	406.94
70	444.44	467.25	468.86
75	488.15	513.10	513.10
80	509.47	535.46	535.46
85	508.23	534.15	534.15
90	485.58	510.40	510.52
95	443.70	466.47	467.81
100	385.74	405.71	409.11
105	316.17	332.81	337.96
110	241.51	254.67	261.22
115	172.81	182.96	191.55
120	131.50	140.06	150.71
125	139.52	148.36	157.68
130	177.93	188.29	192.71
135	216.66	228.70	229.58
140	241.41	254.56	254.56
145	246.48	259.87	259.87
150	230.47	243.13	251.16
155	195.01	206.11	227.02
160	144.28	153.31	175.51
165	85.25	92.54	110.88
170	36.84	45.25	81.09
175	62.18	69.38	92.92

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 _{theo}	E _{std}	E _{aug}
180	111.42	119.32	125.77
185	150.84	160.11	160.59
190	175.07	185.31	192.86
195	182.92	193.49	206.00
200	175.54	185.80	198.39
205	155.79	165.26	178.71
210	127.69	136.11	147.64
215	95.76	103.25	105.02
220	64.50	71.68	72.47
225	37.82	46.14	51.56
230	18.56	30.51	45.17
235	7.56	24.78	47.54
240	6.68	24.50	50.51
245	19.21	30.96	53.60
250	40.16	48.27	62.30
255	67.36	74.53	80.89
260	98.03	105.57	111.06
265	128.71	137.17	146.55
270	155.55	165.01	173.40
275	174.63	184.86	187.88
280	182.42	192.97	192.97
285	176.95	187.28	187.28
290	160.76	170.43	170.43
295	148.96	158.16	158.16
300	175.83	186.11	193.58
305	260.63	274.67	296.87
310	390.96	411.18	439.94
315	552.63	580.73	607.59
320	734.93	772.03	791.87
325	927.64	974.31	985.68
330	1120.02	1176.26	1180.65
335	1300.89	1366.14	1366.73
340	1459.36	1532.51	1532.51
345	1585.65	1665.10	1665.10
350	1671.93	1755.69	1755.69
355	1712.95	1798.75	1798.75