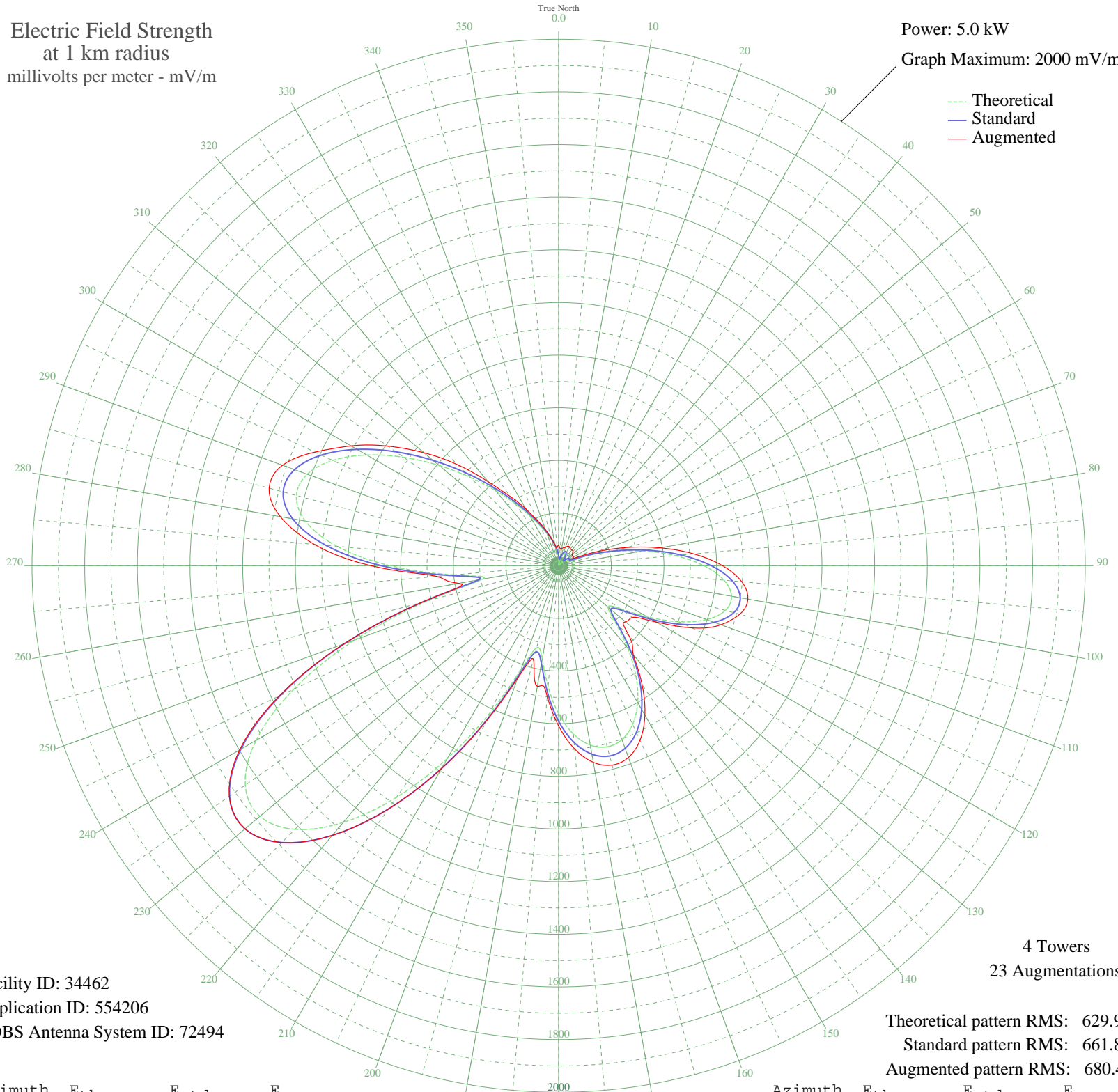


# KGGF COFFEYVILLE, KS BL-20010102ABF 690 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 34462  
Application ID: 554206  
CDBS Antenna System ID: 72494

Theoretical pattern RMS: 629.90  
Standard pattern RMS: 661.81  
Augmented pattern RMS: 680.49

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	29.02	38.47	77.53
5	7.61	24.80	64.82
10	13.10	27.21	65.86
15	31.61	40.65	70.78
20	45.57	53.30	73.84
25	52.33	59.75	81.66
30	49.73	57.25	82.08
35	37.06	45.45	78.23
40	15.96	28.85	78.14
45	9.12	25.36	76.09
50	31.18	40.29	67.15
55	42.16	50.11	64.37
60	38.15	46.43	65.43
65	45.94	53.65	73.61
70	107.47	115.26	156.80
75	205.13	216.66	267.03
80	322.63	339.57	391.31
85	444.00	466.79	515.48
90	551.93	580.01	622.83
95	630.23	662.15	698.14
100	666.74	700.47	729.87
105	655.57	688.75	712.17
110	598.07	628.41	655.82
115	503.04	528.71	559.10
120	387.49	407.54	427.76
125	282.51	297.56	341.83
130	244.77	258.08	331.60
135	303.95	320.01	379.67
140	407.43	428.45	440.89
145	511.91	538.02	552.95
150	600.08	630.52	655.20
155	664.80	698.44	731.38
160	702.77	738.28	775.16
165	712.17	748.15	784.15
170	691.89	726.86	758.43
175	641.45	673.94	698.84

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	562.11	590.69	608.88
185	460.28	483.86	498.53
190	358.59	377.25	465.60
195	322.08	338.99	366.96
200	420.66	442.32	454.50
205	615.45	646.65	652.33
210	845.88	888.49	890.58
215	1074.76	1128.75	1129.19
220	1273.37	1337.24	1337.24
225	1416.02	1487.00	1487.00
230	1480.89	1555.11	1555.11
235	1452.93	1525.76	1526.93
240	1326.99	1393.53	1399.15
245	1110.33	1166.08	1171.98
250	824.63	866.18	867.14
255	512.36	538.49	538.49
260	291.81	307.29	385.17
265	399.89	420.54	464.18
270	640.70	673.14	712.60
275	844.88	887.44	931.81
280	976.87	1025.98	1073.33
285	1031.35	1083.17	1138.43
290	1016.24	1067.31	1116.28
295	946.82	994.44	1021.38
300	841.48	883.86	910.60
305	718.25	754.52	792.28
310	592.35	622.41	667.74
315	474.91	499.21	542.54
320	372.63	391.96	416.87
325	288.24	303.56	321.87
330	221.43	233.68	248.75
335	169.88	179.92	188.29
340	130.32	138.84	144.28
345	99.27	106.85	106.85
350	73.60	80.77	80.77
355	50.77	58.25	68.50