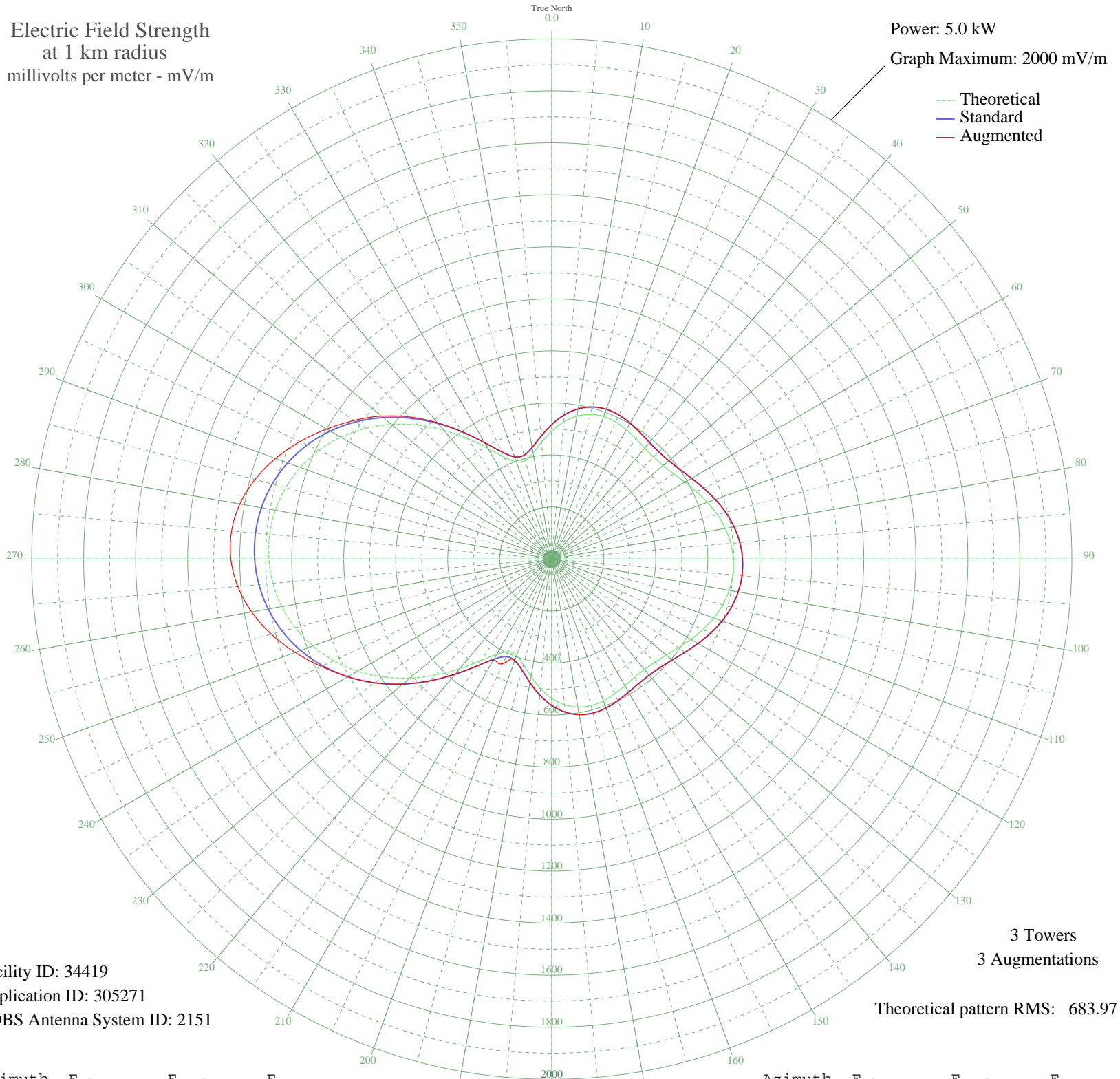


KFEQ ST. JOSEPH, MO BL-7559 680 kHz

Daytime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 34419
Application ID: 305271
CDBS Antenna System ID: 2151

3 Towers
3 Augmentations
Theoretical pattern RMS: 683.97

Azimuth	E _{theo}	E _{std}	E _{aug}
0	491.55	516.84	516.84
5	528.91	556.02	556.02
10	557.64	586.16	586.16
15	575.63	605.03	605.03
20	582.92	612.67	612.67
25	581.24	610.91	610.91
30	573.66	602.96	602.96
35	564.02	592.85	592.85
40	556.35	584.80	584.80
45	554.02	582.36	582.36
50	559.05	587.64	587.64
55	571.66	600.87	600.87
60	590.47	620.60	620.60
65	613.07	644.30	644.30
70	636.72	669.11	669.11
75	658.88	692.36	692.36
80	677.46	711.86	711.86
85	690.92	725.98	725.98
90	698.25	733.67	733.67
95	698.92	734.38	734.38
100	692.90	728.06	728.06
105	680.61	715.16	715.16
110	662.94	696.62	696.62
115	641.34	673.96	673.96
120	617.80	649.26	649.26
125	594.78	625.11	625.11
130	575.00	604.36	604.36
135	560.99	589.67	589.67
140	554.40	582.76	582.76
145	555.36	583.77	583.77
150	562.21	590.95	590.95
155	571.77	600.97	600.97
160	580.08	609.70	609.70
165	583.22	612.99	612.99
170	577.91	607.42	607.42
175	562.13	590.86	590.86

Azimuth	E _{theo}	E _{std}	E _{aug}
180	535.45	562.88	562.88
185	499.52	525.20	525.20
190	458.60	482.30	482.30
195	420.15	442.00	442.00
200	394.84	415.48	415.48
205	393.86	414.45	443.34
210	422.72	444.69	447.63
215	477.75	502.37	502.37
220	549.91	578.05	578.05
225	630.24	662.32	662.32
230	711.88	747.97	747.97
235	790.09	830.04	830.04
240	861.75	905.25	905.25
245	924.88	971.51	977.83
250	978.33	1027.60	1050.04
255	1021.49	1072.91	1116.39
260	1054.12	1107.16	1171.79
265	1076.18	1130.32	1211.99
270	1087.72	1142.43	1233.94
275	1088.77	1143.53	1235.97
280	1079.33	1133.63	1217.92
285	1059.38	1112.68	1181.42
290	1028.86	1080.65	1130.28
295	987.79	1037.54	1068.22
300	936.37	983.57	999.39
305	875.10	919.26	928.23
310	805.02	845.71	854.56
315	727.91	764.80	772.05
320	646.64	679.52	683.91
325	565.58	594.48	595.88
330	491.12	516.40	516.40
335	431.89	454.30	454.30
340	397.23	417.98	417.98
345	392.40	412.92	412.92
350	413.65	435.19	435.19
355	450.41	473.71	473.71

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