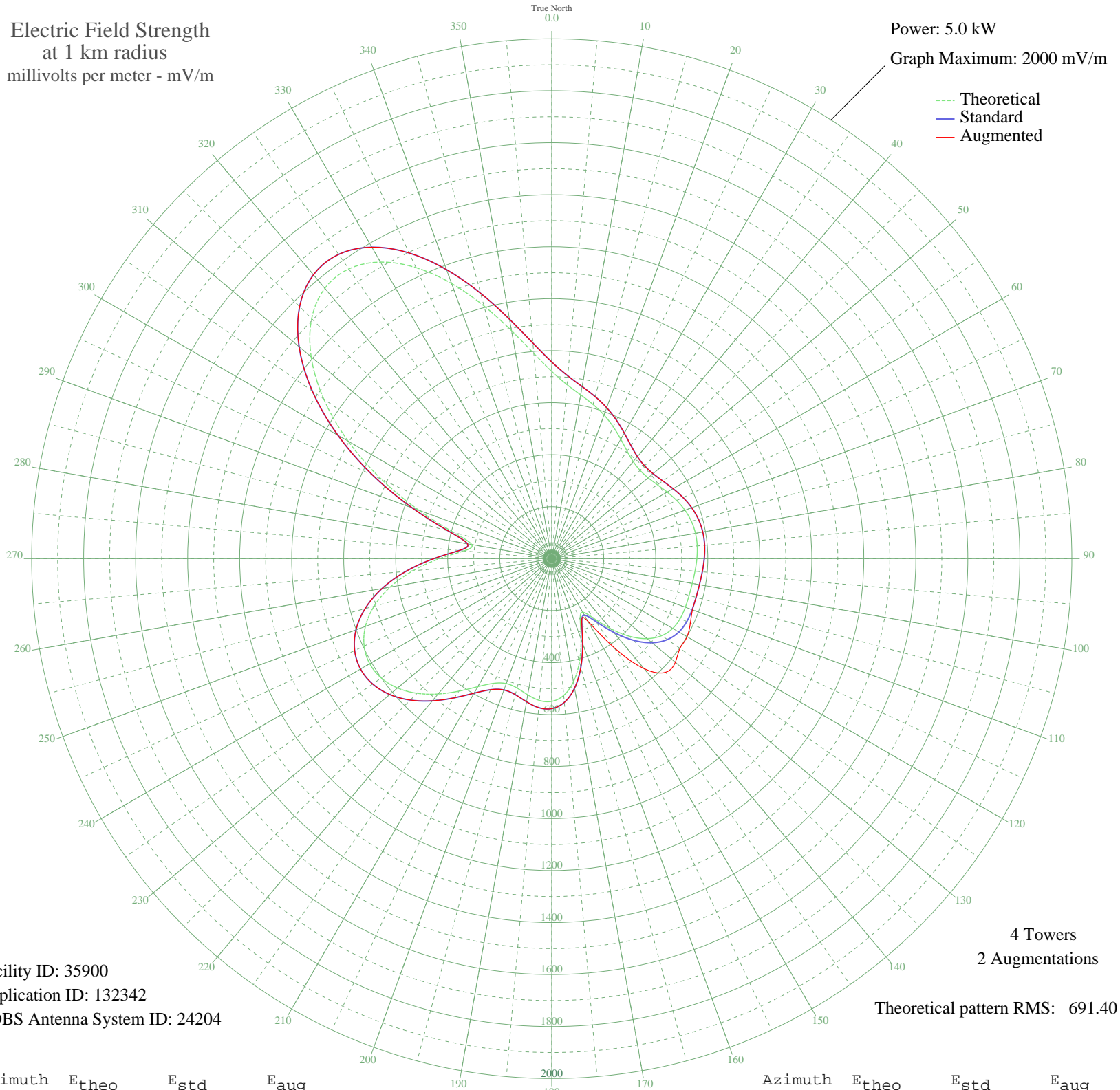


# KWTO SPRINGFIELD, MO BL-19890817AC 560 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 35900  
Application ID: 132342  
CDBS Antenna System ID: 24204

4 Towers  
2 Augmentations  
Theoretical pattern RMS: 691.40

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	720.16	756.56	756.56
5	671.91	705.93	705.93
10	639.72	672.15	672.15
15	613.95	645.11	645.11
20	587.95	617.82	617.82
25	559.62	588.10	588.10
30	530.73	557.79	557.79
35	505.28	531.10	531.10
40	487.58	512.53	512.53
45	480.40	505.00	505.00
50	483.92	508.69	508.69
55	495.82	521.17	521.17
60	512.40	538.56	538.56
65	529.84	556.86	556.86
70	545.01	572.77	572.77
75	555.78	584.07	584.07
80	561.21	589.76	589.76
85	561.51	590.08	590.08
90	558.04	586.45	586.45
95	553.00	581.15	581.15
100	548.75	576.70	576.70
105	546.80	574.65	574.65
110	546.63	574.47	575.84
115	545.14	572.91	588.04
120	537.10	564.47	600.62
125	516.59	542.96	601.88
130	478.87	503.39	620.26
135	422.37	444.16	618.50
140	351.20	369.56	552.54
145	279.43	294.40	418.02
150	237.92	250.99	278.60
155	259.29	273.34	273.34
160	329.43	346.75	346.75
165	411.13	432.37	432.37
170	481.00	505.63	505.63
175	527.99	554.92	554.92

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.

06 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	549.05	577.01	577.01
185	547.44	575.32	575.32
190	531.90	559.02	559.02
195	515.30	541.60	541.60
200	511.37	537.48	537.48
205	529.15	556.13	556.13
210	568.58	597.50	597.50
215	622.04	653.59	653.59
220	679.53	713.92	713.92
225	732.33	769.33	769.33
230	774.04	813.10	813.10
235	800.32	840.68	840.68
240	808.30	849.07	849.07
245	796.12	836.28	836.28
250	762.61	801.11	801.11
255	707.31	743.07	743.07
260	630.84	662.83	662.83
265	536.09	563.41	563.41
270	431.36	453.57	453.57
275	339.47	357.26	357.26
280	312.40	328.91	328.91
285	391.61	411.90	411.90
290	543.25	570.93	570.93
295	722.75	759.28	759.28
300	904.18	949.70	949.70
305	1070.31	1124.09	1124.09
310	1207.67	1268.29	1268.29
315	1305.75	1371.26	1371.26
320	1357.61	1425.69	1425.69
325	1360.68	1428.91	1428.91
330	1317.43	1383.51	1383.51
335	1235.41	1297.40	1297.40
340	1126.65	1183.23	1183.23
345	1006.30	1056.89	1056.89
350	890.39	935.23	935.23
355	792.56	832.54	832.54