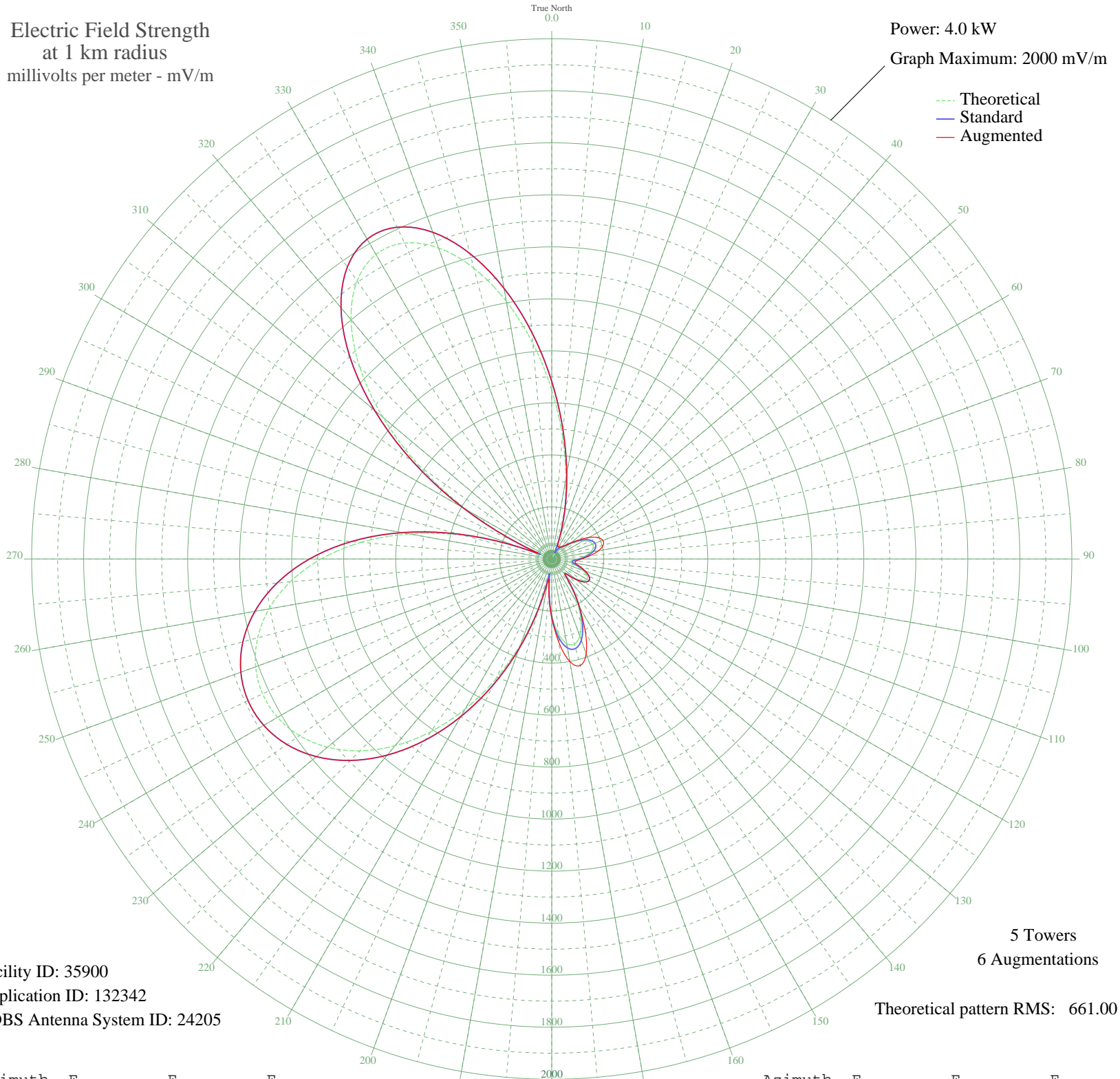


# KWTO SPRINGFIELD, MO BL-19890817AC 560 kHz

Nighttime

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

Power: 4.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 35900  
Application ID: 132342  
CDBS Antenna System ID: 24205

5 Towers  
6 Augmentations

Theoretical pattern RMS: 661.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	649.56	682.44	682.44
5	473.44	497.65	497.65
10	315.15	331.72	331.72
15	183.32	193.87	193.87
20	82.78	89.96	93.23
25	15.76	28.49	53.74
30	27.95	37.40	54.73
35	46.08	53.65	54.75
40	54.51	61.75	61.75
45	66.54	73.61	73.61
50	88.02	95.29	95.29
55	114.56	122.50	127.27
60	139.63	148.44	165.22
65	158.30	167.83	195.12
70	167.41	177.30	209.37
75	165.31	175.12	204.83
80	151.85	161.12	182.36
85	128.57	136.98	148.25
90	99.74	107.27	114.11
95	75.62	82.72	94.03
100	74.50	81.60	93.05
105	98.17	105.65	112.25
110	127.58	135.95	138.29
115	149.37	158.55	158.79
120	156.30	165.74	165.74
125	144.72	153.72	153.72
130	115.15	123.11	123.11
135	77.63	84.75	84.75
140	74.53	81.62	81.62
145	129.71	138.15	138.15
150	201.16	212.48	212.48
155	267.03	281.33	304.01
160	315.52	332.11	387.45
165	338.26	355.93	424.00
170	329.72	346.98	400.26
175	287.44	302.70	323.89

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	212.33	224.15	224.32
185	110.58	118.40	126.55
190	58.30	65.46	85.20
195	189.85	200.68	203.29
200	347.85	365.98	365.98
205	509.56	535.54	535.54
210	665.99	699.68	699.68
215	810.23	851.06	851.06
220	937.04	984.16	984.16
225	1042.81	1095.19	1095.19
230	1125.40	1181.90	1181.90
235	1183.81	1243.22	1243.22
240	1217.70	1278.79	1278.79
245	1226.98	1288.54	1288.54
250	1211.49	1272.27	1272.27
255	1170.69	1229.45	1229.45
260	1103.73	1159.15	1159.15
265	1009.48	1060.21	1060.21
270	886.91	931.55	931.55
275	735.50	772.62	772.62
280	555.79	584.04	584.04
285	350.11	368.34	368.57
290	124.27	132.53	136.16
295	126.67	135.01	138.58
300	374.33	393.73	393.94
305	619.15	650.53	650.53
310	846.96	889.61	889.61
315	1044.71	1097.19	1097.19
320	1200.51	1260.75	1260.75
325	1304.87	1370.31	1370.31
330	1351.88	1419.67	1419.67
335	1340.08	1407.27	1407.27
340	1272.71	1336.55	1336.55
345	1157.52	1215.62	1215.62
350	1005.92	1056.47	1056.47
355	831.71	873.61	873.61