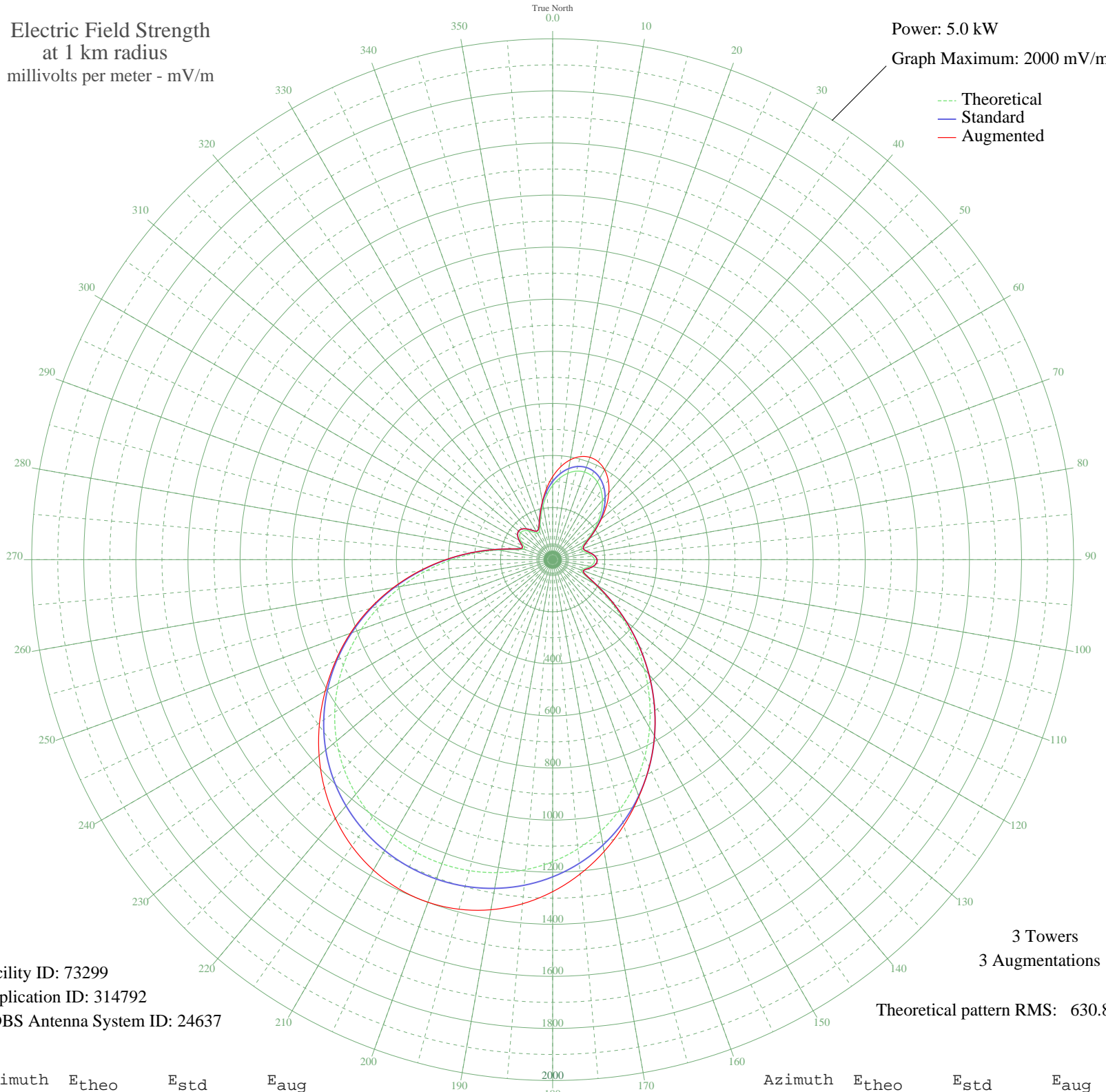


KJSL ST. LOUIS, MO BL-- 630 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 73299
Application ID: 314792
CDBS Antenna System ID: 24637

3 Towers
3 Augmentations

Theoretical pattern RMS: 630.86

Azimuth	E _{theo}	E _{std}	E _{aug}
0	284.92	300.36	318.76
5	314.50	331.31	358.42
10	337.13	355.00	389.35
15	351.81	370.36	409.65
20	357.94	376.79	418.18
25	355.30	374.03	414.51
30	344.00	362.19	398.82
35	324.46	341.73	371.97
40	297.51	313.52	335.52
45	264.43	278.94	291.91
50	227.15	240.00	244.82
55	188.50	199.73	199.89
60	152.81	162.67	162.67
65	126.51	135.50	135.50
70	116.45	125.16	125.16
75	123.07	131.96	131.96
80	138.14	147.50	147.50
85	152.51	162.36	162.36
90	160.19	170.31	170.31
95	158.15	168.19	168.19
100	146.12	155.74	155.74
105	128.04	137.08	137.08
110	116.45	125.16	125.16
115	132.62	141.80	141.80
120	183.93	194.97	194.97
125	259.49	273.78	273.78
130	349.18	367.62	367.62
135	446.63	469.73	469.73
140	547.31	575.29	575.29
145	647.58	680.49	680.49
150	744.51	782.19	782.19
155	835.70	877.89	877.89
160	919.34	965.68	968.25
165	994.18	1044.23	1055.89
170	1059.40	1112.70	1137.82
175	1114.63	1170.67	1211.49

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1159.77	1218.06	1274.89
185	1194.94	1254.97	1326.45
190	1220.34	1281.63	1364.97
195	1236.20	1298.28	1389.61
200	1242.70	1305.11	1399.84
205	1239.92	1302.19	1395.45
210	1227.82	1289.48	1376.52
215	1206.26	1266.85	1343.54
220	1175.03	1234.07	1297.47
225	1133.90	1190.89	1239.36
230	1082.71	1137.16	1170.54
235	1021.45	1072.85	1092.71
240	950.39	998.26	1008.02
245	870.14	914.04	919.20
250	781.78	821.31	826.68
255	686.90	721.74	727.04
260	587.64	617.60	622.31
265	486.73	511.77	515.41
270	387.51	407.77	409.99
275	294.09	309.95	310.72
280	211.92	224.12	224.12
285	149.40	159.13	159.13
290	118.54	127.31	127.31
295	121.51	130.36	130.36
300	139.17	148.56	148.56
305	154.44	164.35	164.35
310	160.62	170.76	170.76
315	156.61	166.60	166.60
320	144.39	153.95	153.95
325	128.66	137.71	137.71
330	117.43	126.17	126.17
335	120.28	129.10	129.10
340	140.74	150.18	150.18
345	173.56	184.19	184.19
350	211.66	223.84	226.18
355	249.89	263.75	273.23

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