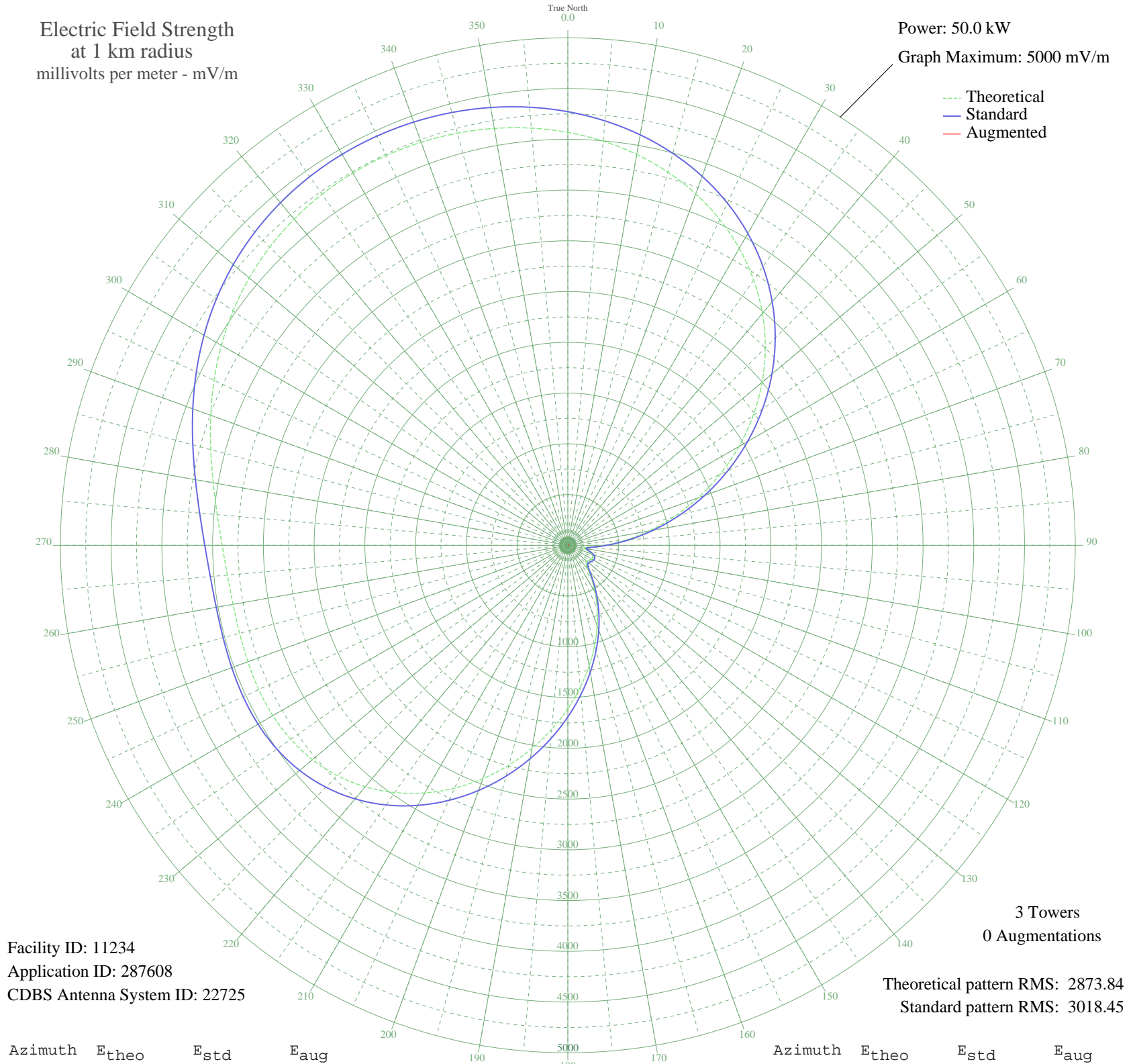


KGA SPOKANE, WA BL-19990804DD 1510 kHz

Nighttime

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

Power: 50.0 kW
Graph Maximum: 5000 mV/m



Facility ID: 11234
Application ID: 287608
CDBS Antenna System ID: 22725

Theoretical pattern RMS: 2873.84
Standard pattern RMS: 3018.45

Azimuth	E _{theo}	E _{std}	E _{aug}
0	4068.35	4272.41	
5	3997.02	4197.53	
10	3910.33	4106.52	
15	3806.67	3997.69	
20	3684.38	3869.31	
25	3541.93	3719.76	
30	3377.98	3547.66	
35	3191.63	3352.03	
40	2982.54	3132.55	
45	2751.25	2889.76	
50	2499.32	2625.34	
55	2229.62	2342.28	
60	1946.41	2045.08	
65	1655.36	1739.72	
70	1363.43	1433.52	
75	1078.58	1134.94	
80	809.54	853.26	
85	565.70	598.60	
90	358.39	383.56	
95	208.09	230.77	
100	159.33	183.03	
105	199.65	222.40	
110	246.66	269.43	
115	271.03	294.11	
120	271.11	294.19	
125	255.41	278.27	
130	241.55	264.27	
135	255.05	277.90	
140	312.90	336.83	
145	410.77	437.66	
150	537.02	568.74	
155	683.46	721.46	
160	845.59	890.96	
165	1020.88	1074.49	
170	1207.64	1270.19	
175	1404.27	1476.35	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1608.85	1690.92	
185	1818.86	1911.25	
190	2031.09	2133.94	
195	2241.65	2354.90	
200	2446.04	2569.41	
205	2639.40	2772.36	
210	2816.75	2958.52	
215	2973.38	3122.93	
220	3105.26	3261.37	
225	3209.56	3370.86	
230	3285.10	3450.16	
235	3332.84	3500.27	
240	3356.15	3524.74	
245	3360.91	3529.74	
250	3355.15	3523.69	
255	3348.26	3516.45	
260	3349.70	3517.97	
265	3367.42	3536.57	
270	3406.34	3577.43	
275	3467.52	3641.65	
280	3548.23	3726.38	
285	3642.90	3825.77	
290	3744.55	3932.48	
295	3846.14	4039.13	
300	3941.62	4139.37	
305	4026.45	4228.43	
310	4097.75	4303.28	
315	4154.16	4362.50	
320	4195.48	4405.88	
325	4222.31	4434.05	
330	4235.64	4448.04	
335	4236.52	4448.96	
340	4225.76	4437.67	
345	4203.82	4414.63	
350	4170.67	4379.83	
355	4125.81	4332.74	

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission