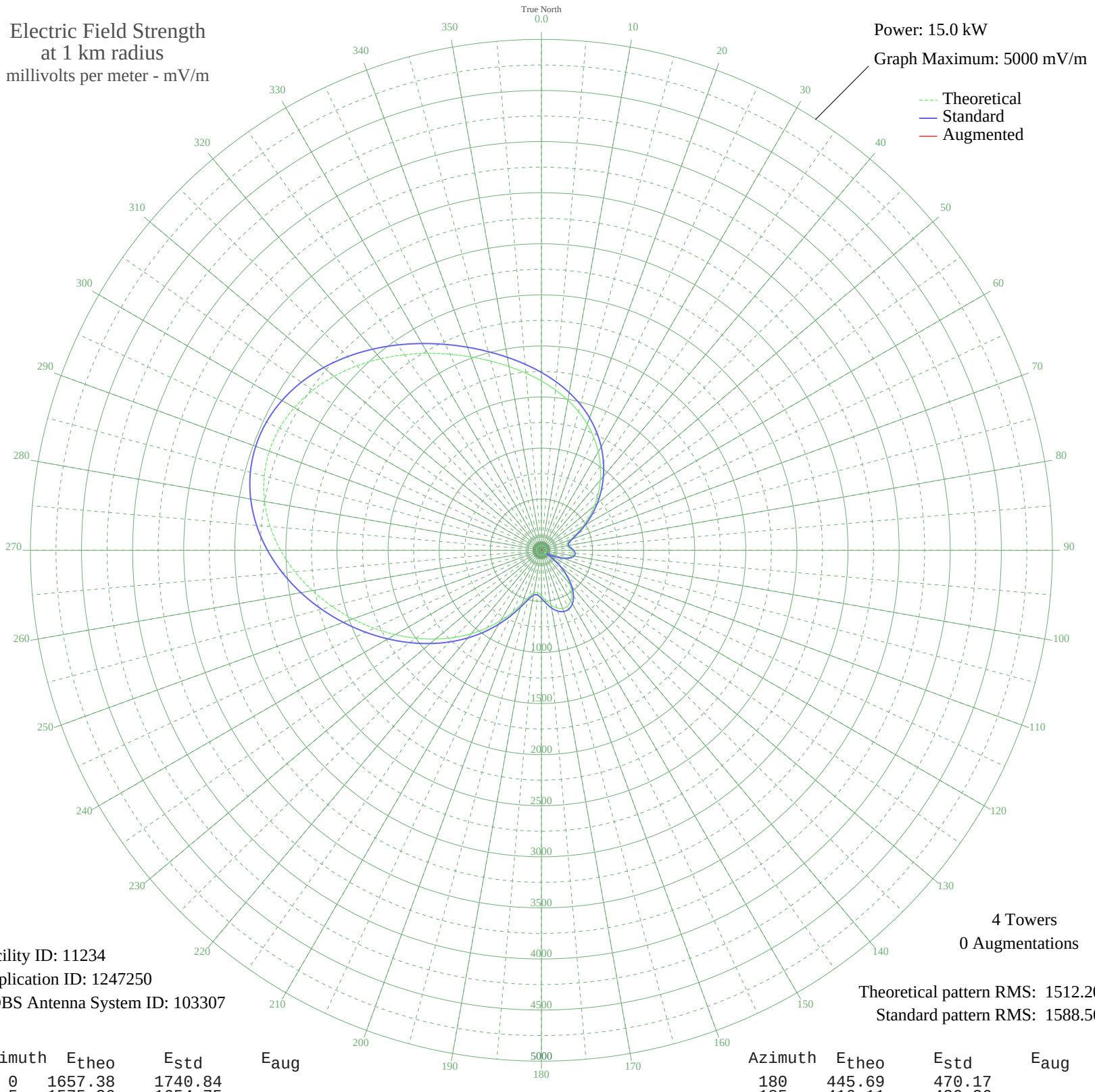
KGA SPOKANE, WA BP-20070905AAK 1510 kHz

Nighttime

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



Power: 15.0 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented

4 Towers
0 Augmentations

Facility ID: 11234
Application ID: 1247250
CDBS Antenna System ID: 103307

Theoretical pattern RMS: 1512.20
Standard pattern RMS: 1588.50

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1657.38	1740.84	
5	1575.36	1654.75	
10	1491.74	1566.99	
15	1404.57	1475.50	
20	1312.56	1378.93	
25	1215.20	1276.77	
30	1112.80	1169.32	
35	1006.33	1057.62	
40	897.21	943.16	
45	787.09	827.69	
50	677.72	713.05	
55	571.02	601.29	
60	469.64	495.20	
65	377.97	399.46	
70	303.94	322.36	
75	259.25	275.98	
80	251.44	267.88	
85	270.89	288.04	
90	297.00	315.14	
95	312.42	331.17	
100	306.48	324.99	
105	273.88	291.13	
110	213.74	228.97	
115	129.55	143.41	
120	39.96	61.82	
125	105.27	119.49	
130	223.01	238.53	
135	337.21	356.97	
140	437.97	462.10	
145	518.49	546.30	
150	574.30	604.73	
155	603.33	635.13	
160	605.87	637.79	
165	584.59	615.49	
170	544.63	573.67	
175	494.22	520.92	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	445.69	470.17	
185	416.11	439.26	
190	422.97	446.44	
195	473.30	499.03	
200	559.78	589.52	
205	670.16	705.13	
210	794.74	835.71	
215	927.55	974.98	
220	1065.39	1119.58	
225	1206.85	1268.00	
230	1351.56	1419.86	
235	1499.68	1575.32	
240	1651.42	1734.58	
245	1806.52	1897.39	
250	1963.90	2062.60	
255	2121.33	2227.86	
260	2275.23	2389.42	
265	2420.80	2542.24	
270	2552.36	2680.36	
275	2664.01	2797.58	
280	2750.38	2888.25	
285	2807.39	2948.11	
290	2832.89	2974.88	
295	2826.88	2968.58	
300	2791.50	2931.43	
305	2730.59	2867.48	
310	2649.15	2781.98	
315	2552.69	2680.70	
320	2446.63	2569.36	
325	2335.96	2453.17	
330	2224.88	2336.57	
335	2116.69	2222.99	
340	2013.62	2114.78	
345	1916.72	2013.07	
350	1825.93	1917.77	
355	1740.12	1827.69	

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.

17 Oct 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission