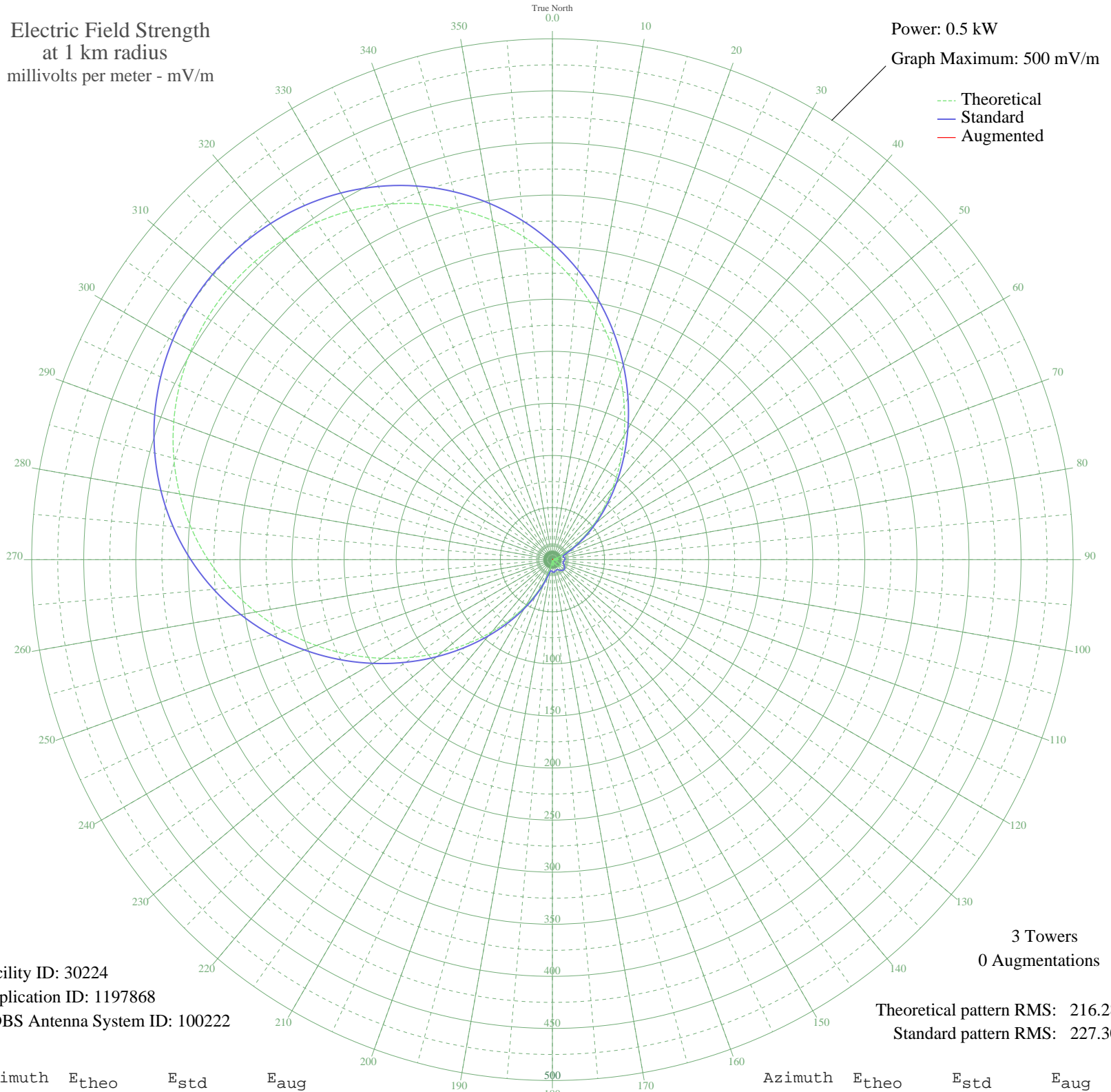


KGAB ORCHARD VALLEY, WY BP-20070830ADR 650 kHz

Nighttime

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

Power: 0.5 kW
Graph Maximum: 500 mV/m



Facility ID: 30224
Application ID: 1197868
CDBS Antenna System ID: 100222

3 Towers
0 Augmentations

Theoretical pattern RMS: 216.28
Standard pattern RMS: 227.30

Azimuth	E _{theo}	E _{std}	E _{aug}
0	289.18	303.82	
5	265.82	279.31	
10	241.11	253.39	
15	215.46	226.48	
20	189.32	199.07	
25	163.21	171.70	
30	137.66	144.92	
35	113.18	119.30	
40	90.26	95.36	
45	69.35	73.57	
50	50.80	54.36	
55	34.84	38.06	
60	21.64	25.03	
65	11.20	15.77	
70	3.47	11.11	
75	1.80	10.67	
80	4.79	11.64	
85	5.88	12.18	
90	5.45	11.96	
95	3.89	11.26	
100	1.59	10.63	
105	1.12	10.57	
110	3.78	11.23	
115	6.19	12.35	
120	8.08	13.50	
125	9.29	14.33	
130	9.70	14.63	
135	9.29	14.33	
140	8.08	13.50	
145	6.19	12.35	
150	3.78	11.23	
155	1.12	10.57	
160	1.59	10.63	
165	3.89	11.26	
170	5.45	11.96	
175	5.88	12.18	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	4.79	11.64	
185	1.80	10.67	
190	3.47	11.11	
195	11.20	15.77	
200	21.64	25.03	
205	34.84	38.06	
210	50.80	54.36	
215	69.35	73.57	
220	90.26	95.36	
225	113.18	119.30	
230	137.66	144.92	
235	163.21	171.69	
240	189.32	199.07	
245	215.46	226.48	
250	241.11	253.39	
255	265.82	279.31	
260	289.18	303.82	
265	310.84	326.55	
270	330.55	347.24	
275	348.11	365.67	
280	363.40	381.72	
285	376.35	395.31	
290	386.92	406.40	
295	395.11	415.00	
300	400.95	421.13	
305	404.44	424.79	
310	405.60	426.01	
315	404.44	424.79	
320	400.95	421.13	
325	395.11	415.00	
330	386.92	406.40	
335	376.35	395.31	
340	363.40	381.72	
345	348.11	365.67	
350	330.55	347.24	
355	310.84	326.55	

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.

09 Nov 2008

Prepared by Audio Division, Media Bureau
Federal Communications Commission