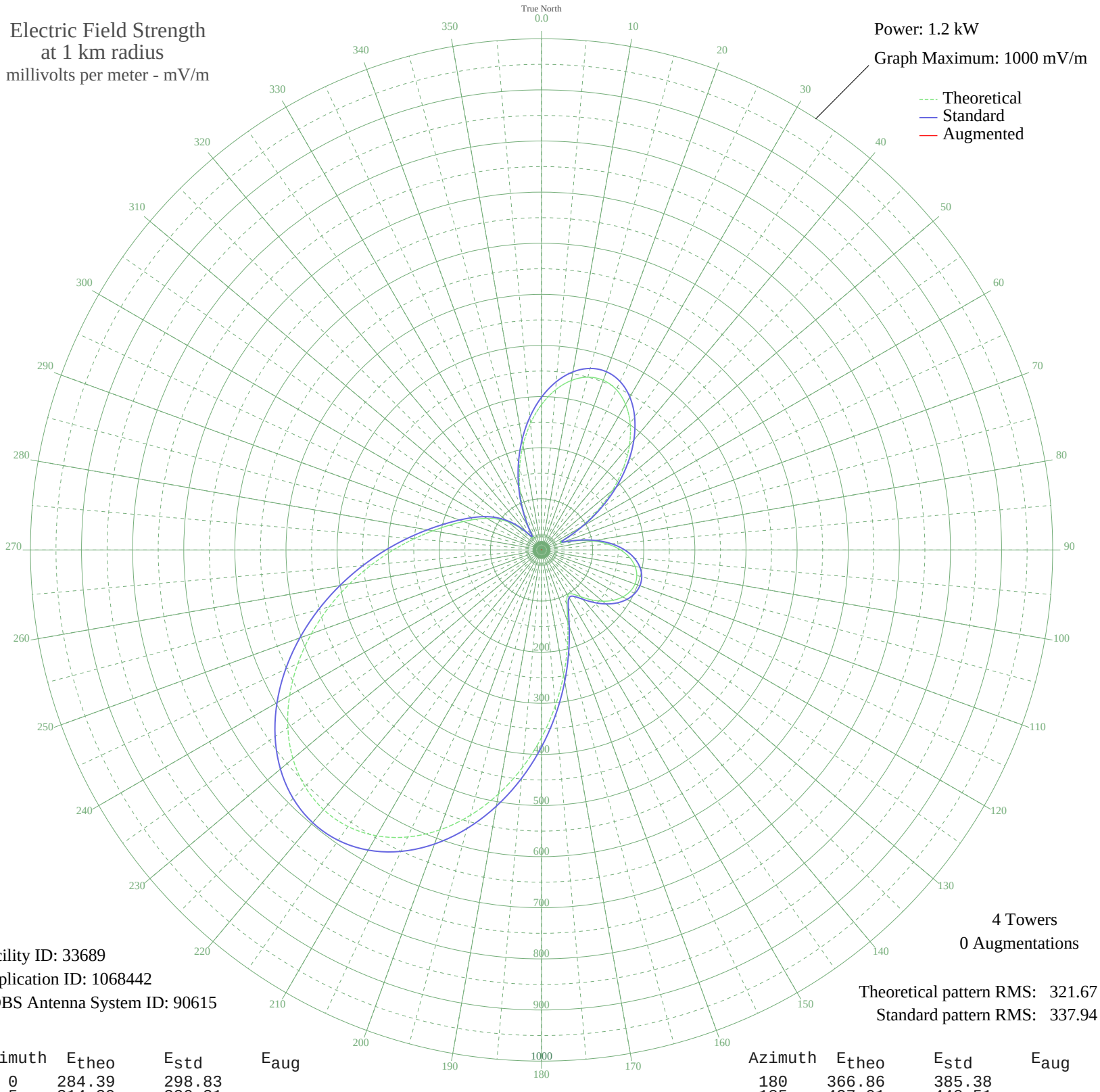
KBUF HOLCOMB, KS BL-20050608AJD 1030 kHz

Nighttime

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



Power: 1.2 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

4 Towers
0 Augmentations

Facility ID: 33689
Application ID: 1068442
CDBS Antenna System ID: 90615

Theoretical pattern RMS: 321.67
Standard pattern RMS: 337.94

Azimuth	E_{theo}	E_{std}	E_{aug}
0	284.39	298.83	
5	314.39	330.31	
10	336.69	353.72	
15	349.94	367.62	
20	353.21	371.05	
25	346.11	363.60	
30	328.85	345.48	
35	302.19	317.51	
40	267.44	281.05	
45	226.32	237.92	
50	180.90	190.29	
55	133.53	140.68	
60	87.31	92.39	
65	48.91	52.62	
70	41.73	45.30	
75	69.06	73.42	
80	101.44	107.13	
85	130.60	137.61	
90	154.68	162.82	
95	173.12	182.14	
100	185.83	195.46	
105	192.93	202.90	
110	194.70	204.76	
115	191.47	201.38	
120	183.63	193.16	
125	171.63	180.58	
130	156.08	164.28	
135	138.02	145.38	
140	119.55	126.06	
145	105.05	110.91	
150	102.11	107.83	
155	117.44	123.85	
160	150.26	158.19	
165	195.43	205.53	
170	248.58	261.26	
175	306.58	322.11	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	366.86	385.38	
185	427.01	448.51	
190	484.62	508.98	
195	537.33	564.31	
200	582.95	612.21	
205	619.58	650.66	
210	645.71	678.10	
215	660.40	693.52	
220	663.27	696.53	
225	654.55	687.38	
230	635.03	666.89	
235	605.99	636.39	
240	569.05	597.62	
245	526.11	552.54	
250	479.17	503.26	
255	430.24	451.90	
260	381.25	400.47	
265	333.95	350.84	
270	289.87	304.59	
275	250.23	262.99	
280	215.78	226.86	
285	186.72	196.39	
290	162.54	171.06	
295	142.04	149.59	
300	123.50	130.18	
305	105.09	110.94	
310	85.25	90.25	
315	63.21	67.36	
320	40.23	43.78	
325	28.13	31.70	
330	48.10	51.79	
335	83.48	88.40	
340	123.85	130.55	
345	166.16	174.85	
350	208.34	219.06	
355	248.41	261.08	

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