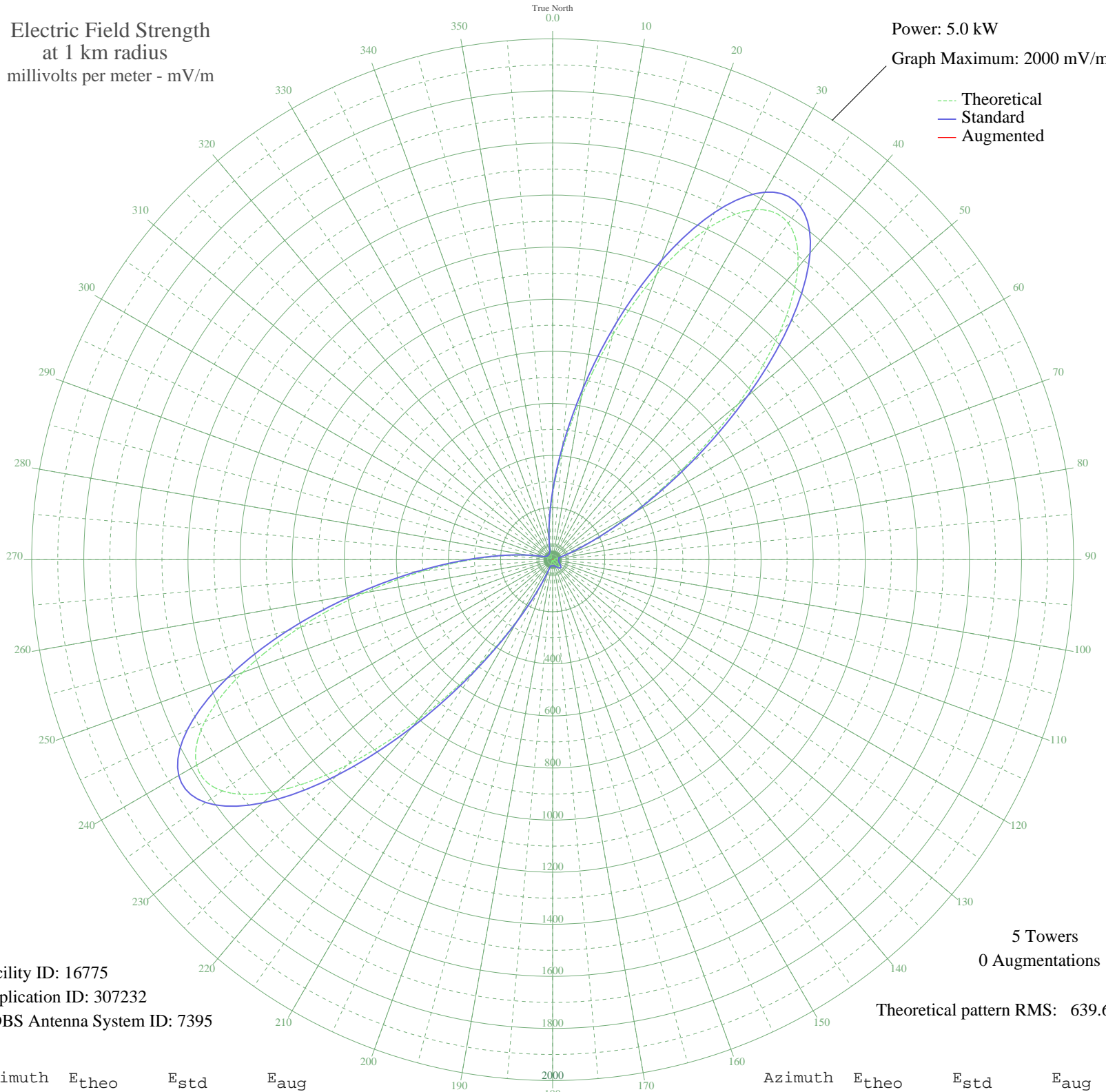


# KBOZ BOZEMAN, MT BL-- 1090 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 16775  
Application ID: 307232  
CDBS Antenna System ID: 7395

5 Towers  
0 Augmentations

Theoretical pattern RMS: 639.68

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	250.72	264.31	
5	415.15	436.54	
10	634.00	666.11	
15	894.19	939.20	
20	1165.07	1223.55	
25	1401.01	1471.25	
30	1551.63	1629.38	
35	1577.26	1656.29	
40	1464.09	1537.48	
45	1231.73	1293.53	
50	928.45	975.16	
55	615.48	646.68	
60	347.06	365.17	
65	155.08	164.52	
70	44.29	52.10	
75	1.84	23.56	
80	9.31	25.43	
85	2.11	23.58	
90	4.48	23.95	
95	4.91	24.04	
100	0.39	23.48	
105	5.42	24.16	
110	9.97	25.71	
115	13.82	27.60	
120	19.25	30.98	
125	26.19	36.16	
130	32.27	41.22	
135	35.20	43.78	
140	33.91	42.65	
145	28.87	38.34	
150	21.95	32.90	
155	15.73	28.70	
160	11.46	26.38	
165	7.44	24.74	
170	1.99	23.57	
175	3.50	23.76	

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	5.43	24.16	
185	1.11	23.51	
190	7.11	24.64	
195	7.98	24.93	
200	19.46	31.13	
205	101.59	109.22	
210	260.24	274.26	
215	500.37	525.92	
220	801.03	841.41	
225	1115.58	1171.59	
230	1383.26	1452.62	
235	1548.31	1625.89	
240	1578.36	1657.45	
245	1474.14	1548.03	
250	1266.50	1330.04	
255	1003.56	1053.99	
260	734.43	771.51	
265	496.52	521.87	
270	309.79	326.13	
275	178.09	188.46	
280	94.40	101.86	
285	47.01	54.66	
290	24.04	34.47	
295	15.01	28.28	
300	11.48	26.39	
305	9.42	25.48	
310	8.08	24.96	
315	7.50	24.76	
320	7.75	24.85	
325	8.80	25.23	
330	10.56	25.97	
335	13.28	27.31	
340	19.30	31.02	
345	35.50	44.06	
350	71.78	78.94	
355	139.46	148.30	