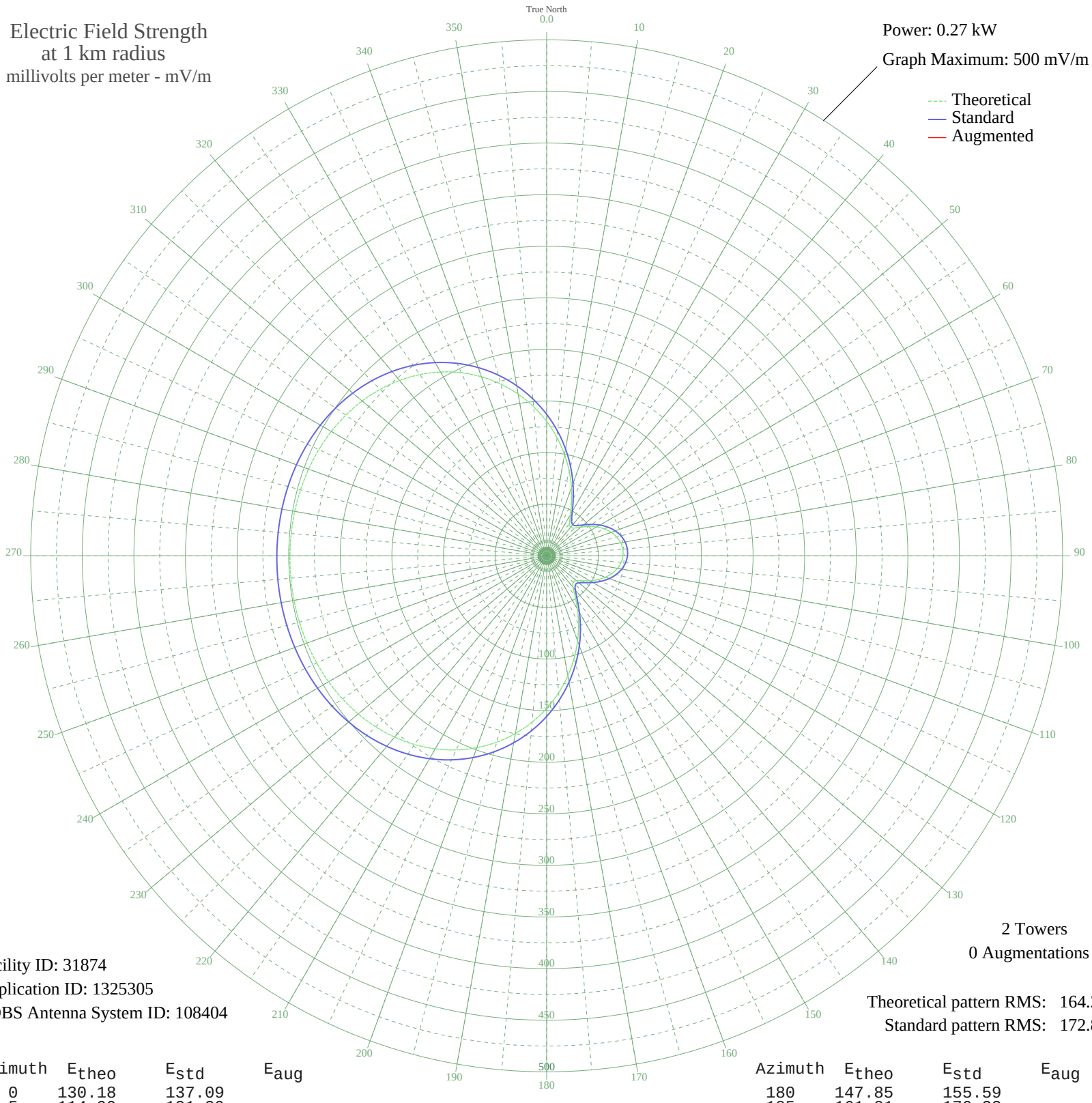
KTWN GLENCOE, MN BMML-20090717AEU 1310 kHz

Nighttime

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



Power: 0.27 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 31874
Application ID: 1325305
CDBS Antenna System ID: 108404

Theoretical pattern RMS: 164.28
Standard pattern RMS: 172.81

Azimuth	E_{theo}	E_{std}	E_{aug}
0	130.18	137.09	
5	114.99	121.20	
10	99.68	105.19	
15	84.61	89.46	
20	70.22	74.48	
25	57.13	60.89	
30	46.22	49.65	
35	38.79	42.06	
40	36.09	39.33	
45	38.10	41.36	
50	43.17	46.53	
55	49.49	53.01	
60	55.88	59.60	
65	61.69	65.62	
70	66.56	70.68	
75	70.30	74.56	
80	72.80	77.16	
85	74.00	78.40	
90	73.86	78.26	
95	72.40	76.75	
100	69.65	73.88	
105	65.67	69.75	
110	60.59	64.48	
115	54.63	58.32	
120	48.19	51.68	
125	42.01	45.34	
130	37.39	40.64	
135	36.23	39.46	
140	39.92	43.22	
145	48.17	51.65	
150	59.60	63.46	
155	73.02	77.39	
160	87.59	92.57	
165	102.74	108.39	
170	118.05	124.40	
175	133.18	140.23	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	147.85	155.59	
185	161.81	170.23	
190	174.89	183.93	
195	186.92	196.55	
200	197.81	207.97	
205	207.49	218.12	
210	215.95	226.99	
215	223.19	234.59	
220	229.29	240.98	
225	234.31	246.25	
230	238.36	250.50	
235	241.56	253.85	
240	244.01	256.43	
245	245.85	258.35	
250	247.17	259.74	
255	248.07	260.68	
260	248.61	261.26	
265	248.86	261.52	
270	248.84	261.49	
275	248.53	261.17	
280	247.92	260.52	
285	246.94	259.50	
290	245.53	258.02	
295	243.58	255.97	
300	240.98	253.25	
305	237.62	249.73	
310	233.39	245.28	
315	228.16	239.80	
320	221.84	233.17	
325	214.35	225.31	
330	205.65	216.19	
335	195.73	205.78	
340	184.61	194.12	
345	172.35	181.28	
350	159.09	167.37	
355	144.96	152.57	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission