

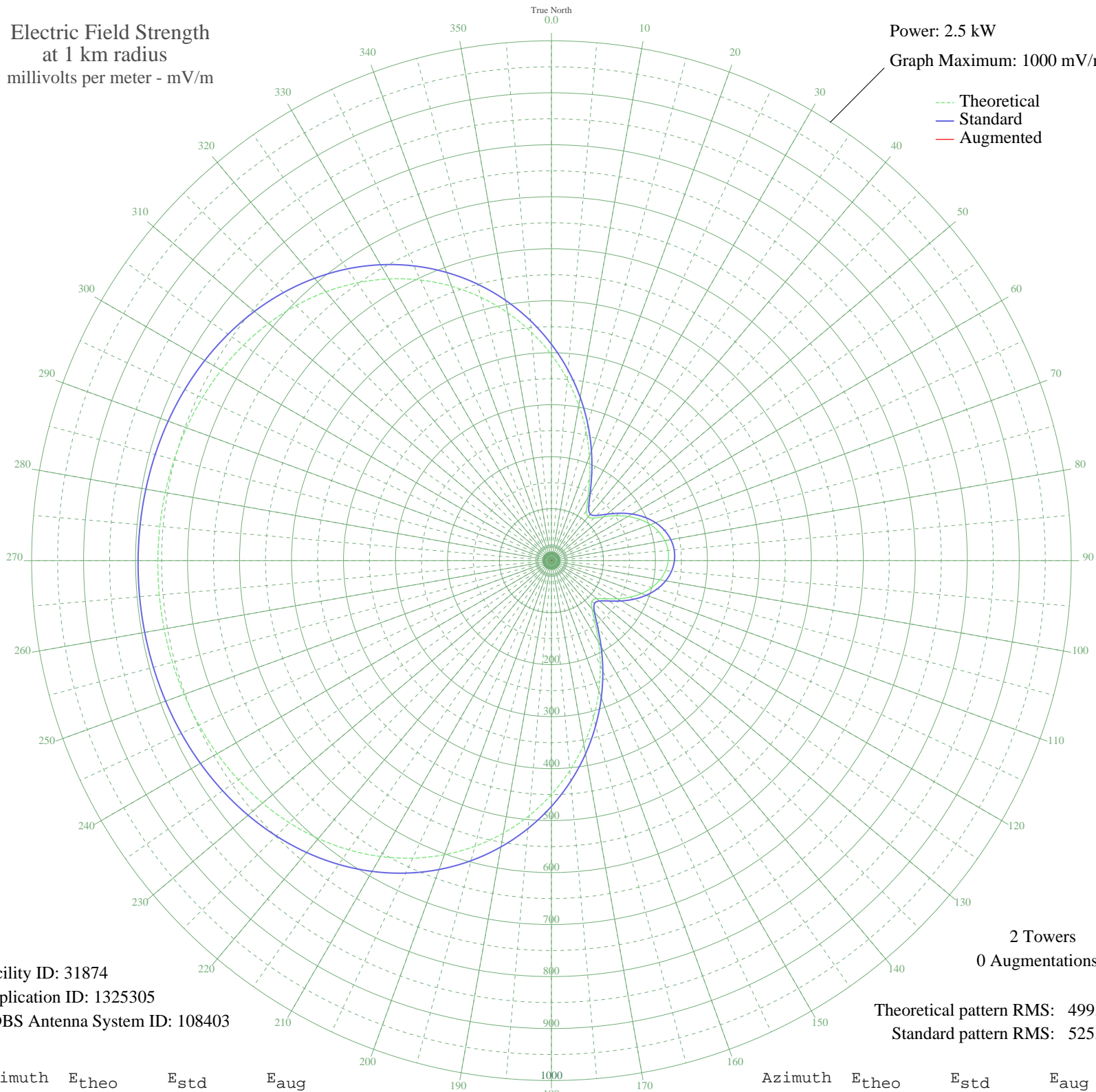
KTWN GLENCOE, MN BMML-20090717AEU 1310 kHz

Daytime

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

Power: 2.5 kW
Graph Maximum: 1000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 31874
Application ID: 1325305
CDBS Antenna System ID: 108403

2 Towers
0 Augmentations

Theoretical pattern RMS: 499.89
Standard pattern RMS: 525.15

Azimuth	E _{theo}	E _{std}	E _{aug}
0	396.13	416.27	
5	349.91	367.78	
10	303.33	318.93	
15	257.47	270.85	
20	213.69	224.99	
25	173.83	183.28	
30	140.63	148.60	
35	118.02	125.03	
40	109.83	116.51	
45	115.94	122.87	
50	131.36	138.92	
55	150.59	158.99	
60	170.03	179.31	
65	187.71	197.80	
70	202.54	213.32	
75	213.93	225.24	
80	221.53	233.19	
85	225.16	237.00	
90	224.76	236.58	
95	220.32	231.93	
100	211.95	223.16	
105	199.84	210.49	
110	184.38	194.31	
115	166.24	175.34	
120	146.64	154.86	
125	127.82	135.23	
130	113.78	120.61	
135	110.24	116.93	
140	121.49	128.64	
145	146.57	154.79	
150	181.37	191.16	
155	222.20	233.90	
160	266.53	280.34	
165	312.63	328.68	
170	359.21	377.54	
175	405.25	425.84	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	449.88	472.67	
185	492.39	517.27	
190	532.17	559.03	
195	568.79	597.46	
200	601.92	632.24	
205	631.38	663.16	
210	657.10	690.16	
215	679.16	713.31	
220	697.70	732.78	
225	712.99	748.82	
230	725.32	761.77	
235	735.04	771.97	
240	742.51	779.82	
245	748.10	785.68	
250	752.11	789.89	
255	754.84	792.76	
260	756.51	794.51	
265	757.27	795.30	
270	757.18	795.22	
275	756.25	794.24	
280	754.39	792.28	
285	751.42	789.17	
290	747.12	784.65	
295	741.18	778.42	
300	733.29	770.13	
305	723.07	759.41	
310	710.18	745.87	
315	694.26	729.17	
320	675.03	708.98	
325	652.26	685.07	
330	625.79	657.28	
335	595.59	625.59	
340	561.74	590.06	
345	524.46	550.93	
350	484.09	508.56	
355	441.11	463.46	

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