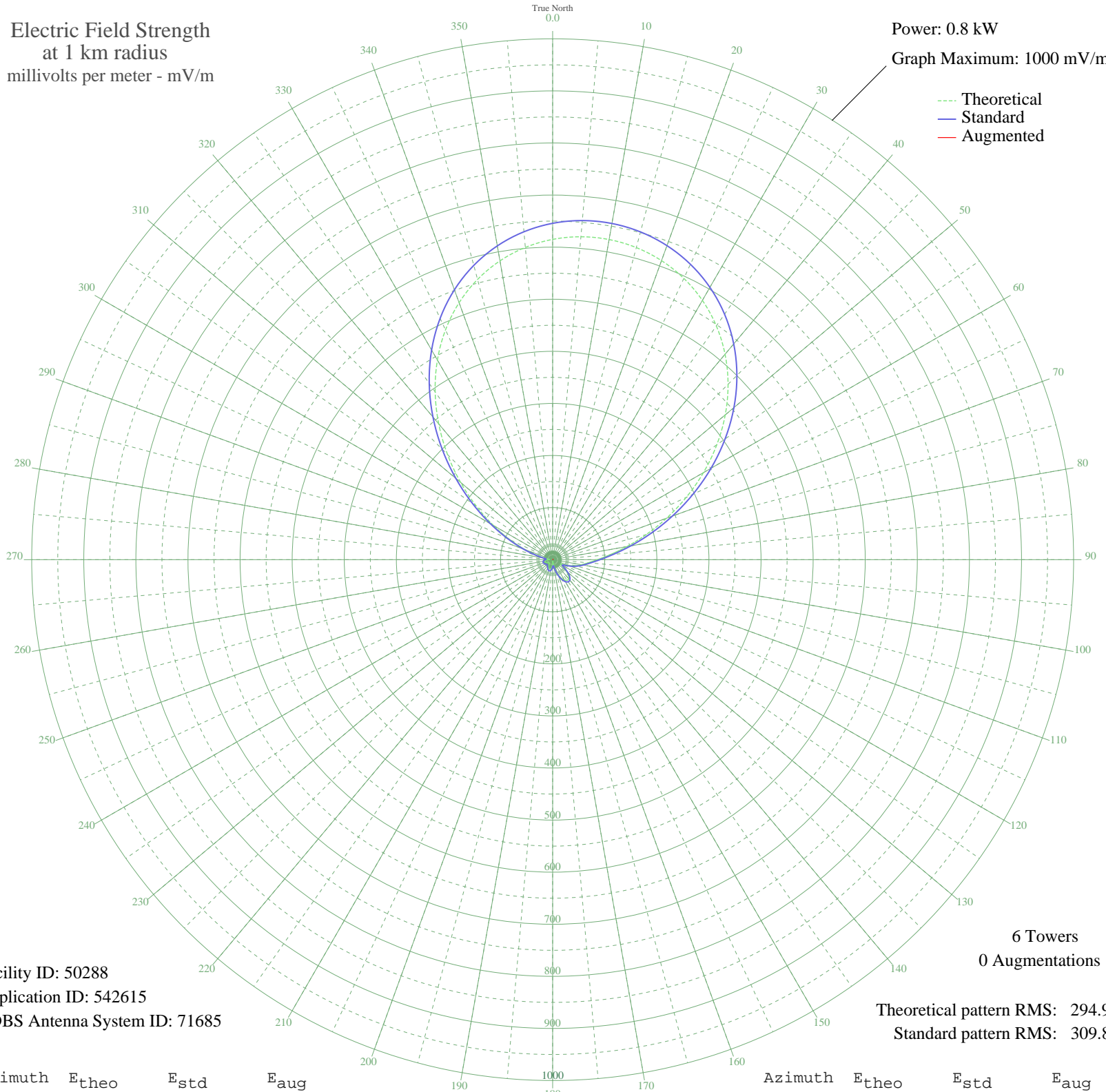


KOLM ROCHESTER, MN BL-20001208ADL 1520 kHz

Nighttime

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

Power: 0.8 kW
Graph Maximum: 1000 mV/m



Facility ID: 50288
Application ID: 542615
CDBS Antenna System ID: 71685

6 Towers
0 Augmentations

Theoretical pattern RMS: 294.90
Standard pattern RMS: 309.83

Azimuth	E _{theo}	E _{std}	E _{aug}
0	614.94	645.78	
5	622.33	653.53	
10	624.10	655.39	
15	620.33	651.44	
20	610.96	641.60	
25	595.86	625.74	
30	574.85	603.69	
35	547.84	575.33	
40	514.85	540.70	
45	476.19	500.12	
50	432.47	454.22	
55	384.69	404.07	
60	334.24	351.11	
65	282.86	297.20	
70	232.63	244.49	
75	185.78	195.37	
80	144.57	152.18	
85	110.94	116.98	
90	85.84	90.78	
95	68.43	72.66	
100	55.83	59.60	
105	44.66	48.11	
110	33.00	36.28	
115	21.76	25.25	
120	17.03	20.87	
125	23.92	27.33	
130	34.29	37.58	
135	42.83	46.24	
140	47.74	51.27	
145	48.47	52.02	
150	45.21	48.67	
155	38.63	41.96	
160	29.73	33.02	
165	19.66	23.28	
170	9.61	14.75	
175	2.58	11.10	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	8.32	13.86	
185	13.90	18.14	
190	17.41	21.22	
195	18.88	22.56	
200	18.62	22.32	
205	17.10	20.94	
210	14.86	18.96	
215	12.42	16.90	
220	10.24	15.21	
225	8.83	14.20	
230	8.69	14.11	
235	9.84	14.92	
240	11.68	16.32	
245	13.48	17.79	
250	14.72	18.83	
255	15.07	19.14	
260	14.42	18.57	
265	12.55	17.02	
270	9.06	14.36	
275	5.19	12.06	
280	12.86	17.27	
285	30.54	33.83	
290	56.14	59.92	
295	89.75	94.85	
300	130.93	137.90	
305	178.50	187.74	
310	230.70	242.47	
315	285.36	299.83	
320	340.24	357.42	
325	393.21	413.01	
330	442.48	464.73	
335	486.71	511.16	
340	525.03	551.39	
345	557.00	584.95	
350	582.53	611.75	
355	601.76	631.94	

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission