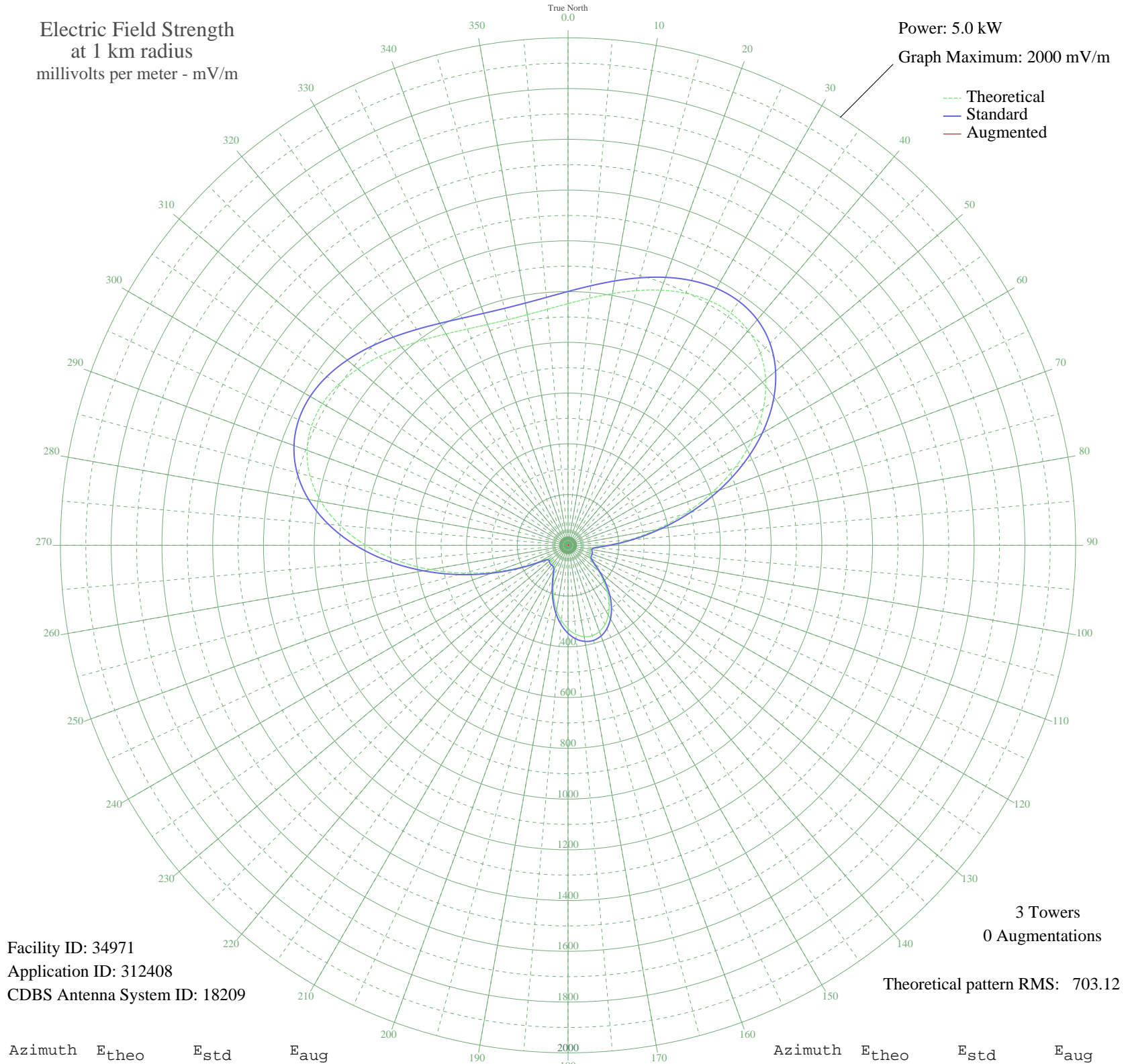


# KOZY GRAND RAPIDS, MN BL-- 1320 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 34971  
Application ID: 312408  
CDBS Antenna System ID: 18209

3 Towers  
0 Augmentations  
Theoretical pattern RMS: 703.12

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	952.42	1000.32	
5	977.51	1026.66	
10	1007.24	1057.86	
15	1039.12	1091.33	
20	1070.01	1123.76	
25	1096.18	1151.23	
30	1113.51	1169.42	
35	1117.72	1173.84	
40	1104.85	1160.33	
45	1071.74	1125.57	
50	1016.48	1067.56	
55	938.94	986.17	
60	841.02	883.38	
65	726.71	763.41	
70	601.90	632.44	
75	473.92	498.17	
80	350.90	369.19	
85	241.40	254.56	
90	154.64	164.06	
95	101.67	109.31	
100	87.37	94.69	
105	91.51	98.92	
110	93.99	101.44	
115	93.24	100.67	
120	98.77	106.33	
125	119.83	128.00	
130	155.32	164.77	
135	198.22	209.46	
140	242.29	255.48	
145	283.12	298.21	
150	317.79	334.50	
155	344.33	362.31	
160	361.54	380.34	
165	368.73	387.88	
170	365.64	384.64	
175	352.38	370.75	

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	329.46	346.73	
185	297.86	313.63	
190	259.20	273.17	
195	215.99	228.01	
200	171.99	182.11	
205	132.66	141.26	
210	105.14	112.87	
215	94.01	101.47	
220	93.69	101.14	
225	93.14	100.58	
230	88.38	95.73	
235	91.89	99.30	
240	128.74	137.20	
245	203.40	214.86	
250	304.99	321.09	
255	423.64	445.44	
260	550.65	578.65	
265	677.66	711.93	
270	796.97	837.15	
275	902.04	947.43	
280	988.08	1037.75	
285	1052.34	1105.21	
290	1094.18	1149.13	
295	1114.82	1170.80	
300	1117.00	1173.08	
305	1104.41	1159.87	
310	1081.27	1135.58	
315	1051.79	1104.63	
320	1019.90	1071.15	
325	988.97	1038.69	
330	961.77	1010.13	
335	940.38	987.68	
340	926.27	972.86	
345	920.31	966.61	
350	922.88	969.30	
355	933.80	980.77	