

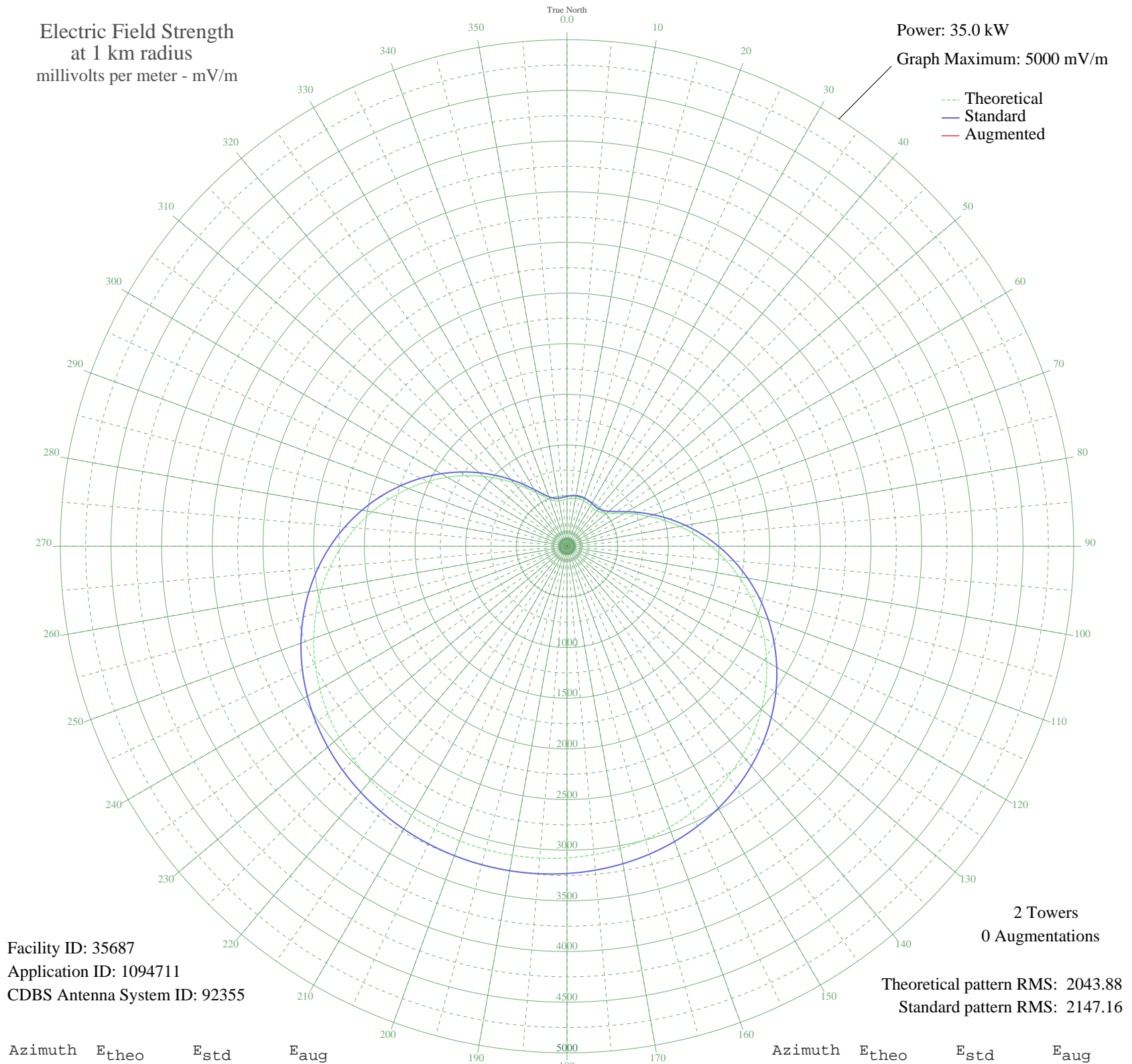
KIHU MAGNA, UT BMJP-20051031AGK 1010 kHz

Critical Hours

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

Power: 35.0 kW
Graph Maximum: 5000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 35687
Application ID: 1094711
CDBS Antenna System ID: 92355

2 Towers
0 Augmentations

Theoretical pattern RMS: 2043.88
Standard pattern RMS: 2147.16

Azimuth	E _{theo}	E _{std}	E _{aug}
0	465.38	492.62	
5	474.33	501.94	
10	480.51	508.38	
15	482.05	509.99	
20	478.53	506.31	
25	470.93	498.40	
30	461.74	488.83	
35	455.10	481.92	
40	456.68	483.56	
45	472.83	500.38	
50	508.88	537.96	
55	567.37	599.00	
60	647.78	683.02	
65	747.54	787.39	
70	863.33	908.64	
75	991.78	1043.24	
80	1129.77	1187.89	
85	1274.40	1339.57	
90	1423.03	1495.49	
95	1573.21	1653.05	
100	1722.67	1809.88	
105	1869.35	1963.81	
110	2011.40	2112.89	
115	2147.18	2255.41	
120	2275.35	2389.94	
125	2394.82	2515.34	
130	2504.79	2630.77	
135	2604.75	2735.70	
140	2694.43	2829.84	
145	2773.84	2913.20	
150	2843.19	2986.00	
155	2902.85	3048.63	
160	2953.34	3101.64	
165	2995.26	3145.64	
170	3029.21	3181.29	
175	3055.82	3209.22	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	3075.64	3230.03	
185	3089.13	3244.19	
190	3096.64	3252.07	
195	3098.36	3253.87	
200	3094.34	3249.65	
205	3084.47	3239.30	
210	3068.50	3222.53	
215	3046.02	3198.93	
220	3016.54	3167.99	
225	2979.48	3129.08	
230	2934.21	3081.55	
235	2880.12	3024.77	
240	2816.63	2958.12	
245	2743.30	2881.14	
250	2659.79	2793.48	
255	2565.99	2695.01	
260	2461.98	2585.84	
265	2348.14	2466.33	
270	2225.07	2337.16	
275	2093.71	2199.28	
280	1955.24	2053.95	
285	1811.14	1902.72	
290	1663.11	1747.38	
295	1513.10	1589.98	
300	1363.26	1432.78	
305	1215.92	1278.24	
310	1073.62	1129.02	
315	939.08	988.01	
320	815.30	858.34	
325	705.51	743.42	
330	613.12	646.79	
335	541.26	571.74	
340	491.84	520.19	
345	464.23	491.43	
350	454.65	481.45	
355	457.12	484.02	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission