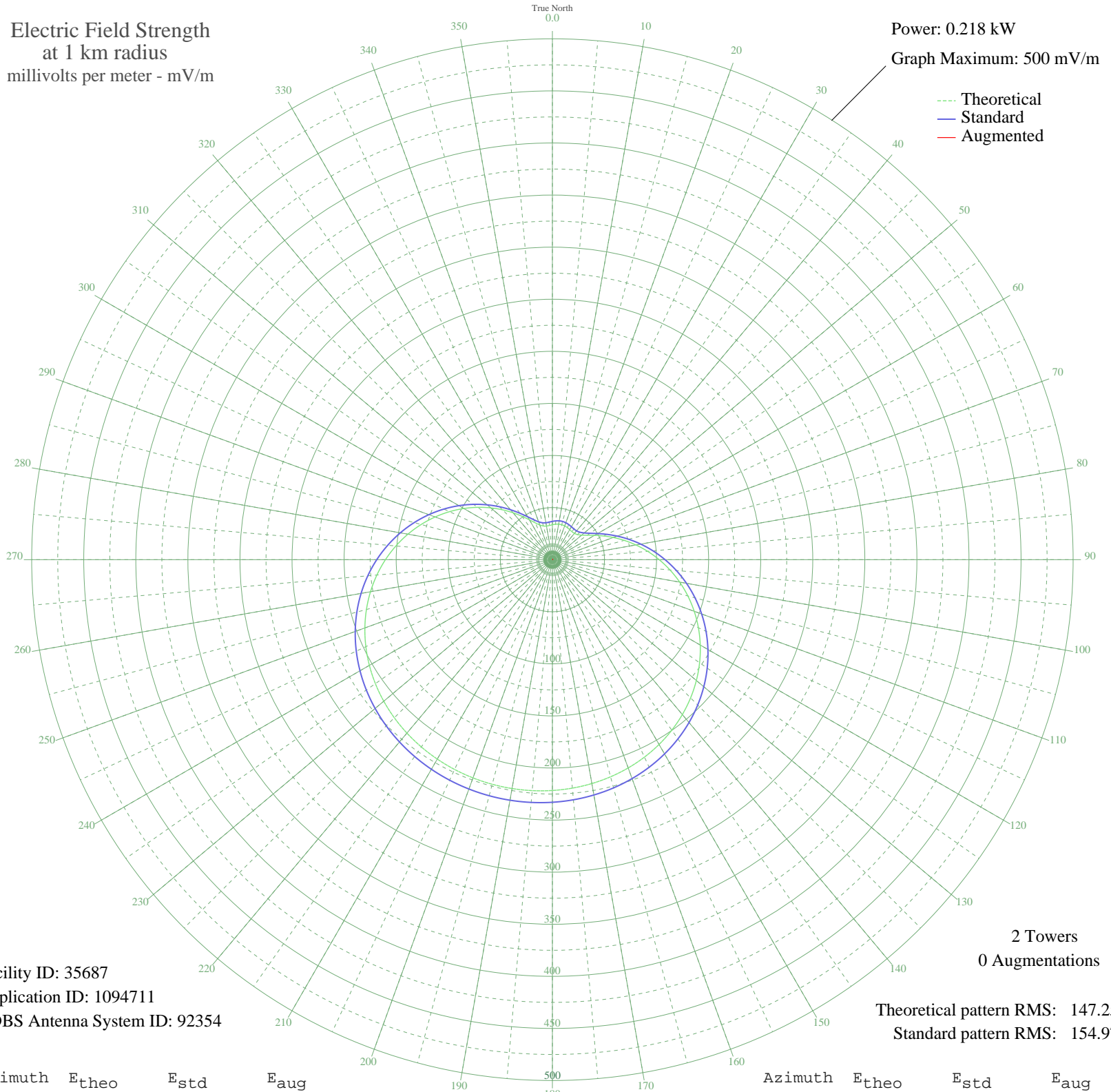


# KIHU MAGNA, UT BMJP-20051031AGK 1010 kHz

Nighttime

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

Power: 0.218 kW  
Graph Maximum: 500 mV/m



Facility ID: 35687  
Application ID: 1094711  
CDBS Antenna System ID: 92354

Theoretical pattern RMS: 147.25  
Standard pattern RMS: 154.97

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	33.53	36.74	
5	34.17	37.39	
10	34.62	37.84	
15	34.73	37.95	
20	34.48	37.69	
25	33.93	37.14	
30	33.27	36.47	
35	32.79	35.99	
40	32.90	36.11	
45	34.06	37.28	
50	36.66	39.90	
55	40.88	44.19	
60	46.67	50.11	
65	53.86	57.52	
70	62.20	66.15	
75	71.45	75.76	
80	81.39	86.11	
85	91.81	96.97	
90	102.52	108.16	
95	113.34	119.47	
100	124.11	130.74	
105	134.68	141.80	
110	144.91	152.52	
115	154.69	162.77	
120	163.93	172.44	
125	172.53	181.46	
130	180.46	189.77	
135	187.66	197.32	
140	194.12	204.09	
145	199.84	210.09	
150	204.84	215.33	
155	209.13	219.84	
160	212.77	223.66	
165	215.79	226.82	
170	218.24	229.39	
175	220.15	231.40	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	221.58	232.90	
185	222.55	233.92	
190	223.10	234.49	
195	223.22	234.62	
200	222.93	234.31	
205	222.22	233.57	
210	221.07	232.36	
215	219.45	230.66	
220	217.32	228.43	
225	214.65	225.63	
230	211.39	222.21	
235	207.50	218.12	
240	202.92	213.33	
245	197.64	207.79	
250	191.62	201.48	
255	184.86	194.39	
260	177.37	186.54	
265	169.17	177.94	
270	160.30	168.65	
275	150.84	158.73	
280	140.86	148.28	
285	130.48	137.41	
290	119.82	126.25	
295	109.01	114.94	
300	98.22	103.66	
305	87.60	92.58	
310	77.35	81.89	
315	67.66	71.81	
320	58.74	62.56	
325	50.83	54.39	
330	44.17	47.55	
335	38.99	42.27	
340	35.43	38.66	
345	33.45	36.65	
350	32.76	35.96	
355	32.93	36.14	

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