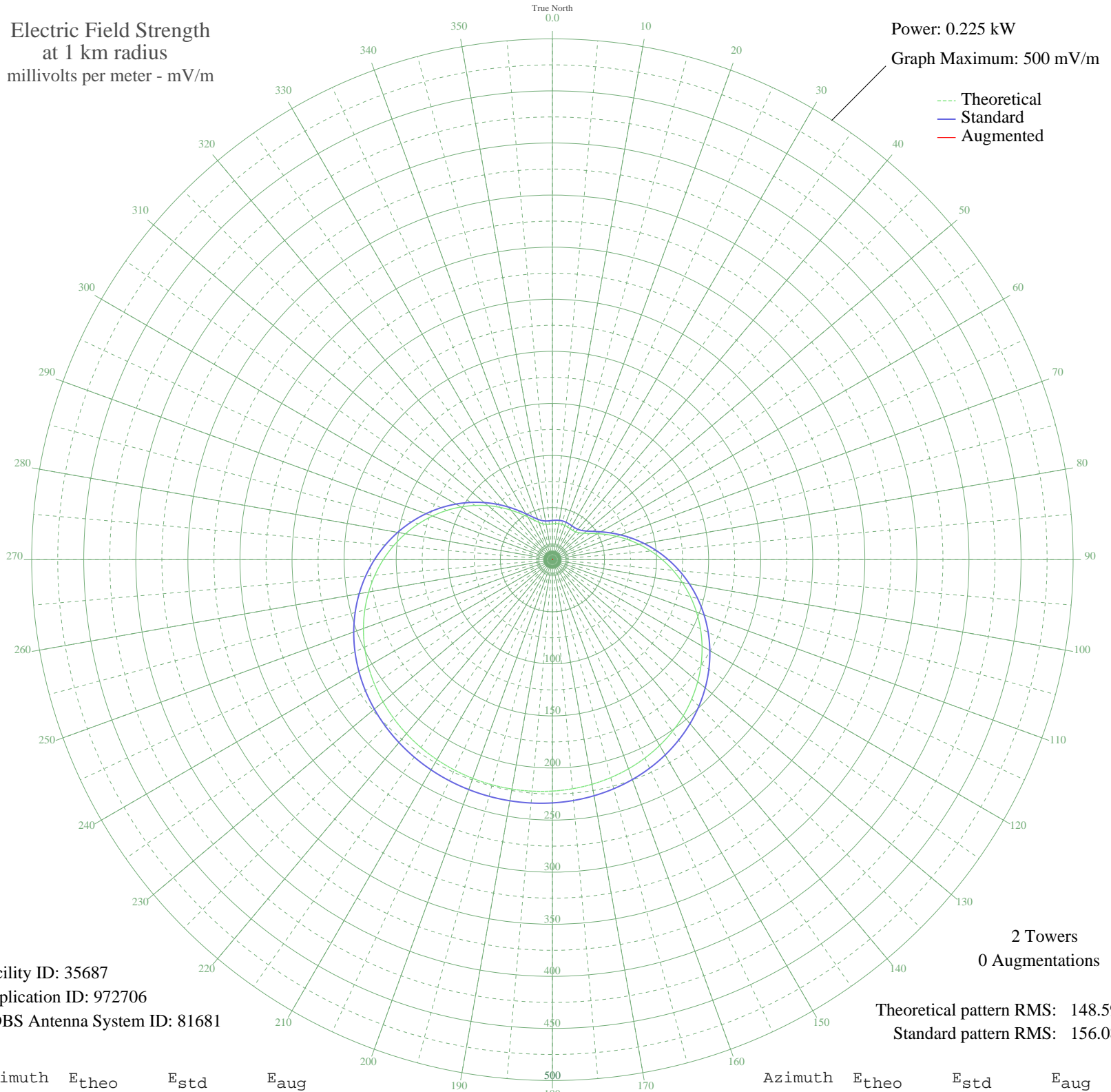


# KIHU MAGNA, UT BMJP-20040126AQD 1010 kHz

Nighttime

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

Power: 0.225 kW  
Graph Maximum: 500 mV/m



Facility ID: 35687  
Application ID: 972706  
CDBS Antenna System ID: 81681

2 Towers  
0 Augmentations

Theoretical pattern RMS: 148.59  
Standard pattern RMS: 156.08

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	34.41	37.62	
5	34.79	38.01	
10	35.09	38.31	
15	35.17	38.39	
20	34.99	38.21	
25	34.64	37.85	
30	34.28	37.50	
35	34.22	37.43	
40	34.81	38.03	
45	36.47	39.70	
50	39.47	42.76	
55	43.98	47.36	
60	49.93	53.47	
65	57.18	60.95	
70	65.52	69.59	
75	74.71	79.15	
80	84.57	89.41	
85	94.88	100.17	
90	105.46	111.23	
95	116.15	122.40	
100	126.77	133.52	
105	137.18	144.43	
110	147.26	154.98	
115	156.88	165.06	
120	165.95	174.57	
125	174.40	183.42	
130	182.16	191.56	
135	189.21	198.94	
140	195.52	205.56	
145	201.10	211.41	
150	205.96	216.51	
155	210.13	220.89	
160	213.66	224.59	
165	216.58	227.65	
170	218.95	230.13	
175	220.79	232.07	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	222.17	233.51	
185	223.10	234.49	
190	223.62	235.04	
195	223.74	235.16	
200	223.46	234.87	
205	222.78	234.15	
210	221.67	232.99	
215	220.11	231.36	
220	218.06	229.21	
225	215.48	226.50	
230	212.32	223.19	
235	208.54	219.22	
240	204.10	214.56	
245	198.95	209.16	
250	193.08	203.01	
255	186.48	196.08	
260	179.14	188.39	
265	171.10	179.96	
270	162.40	170.84	
275	153.09	161.09	
280	143.28	150.81	
285	133.05	140.10	
290	122.54	129.09	
295	111.87	117.93	
300	101.21	106.79	
305	90.71	95.82	
310	80.56	85.24	
315	70.94	75.23	
320	62.07	66.01	
325	54.14	57.81	
330	47.39	50.85	
335	42.00	45.33	
340	38.09	41.35	
345	35.66	38.88	
350	34.47	37.69	
355	34.19	37.40	

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.

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20 Nov 2009

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Prepared by Audio Division, Media Bureau  
Federal Communications Commission