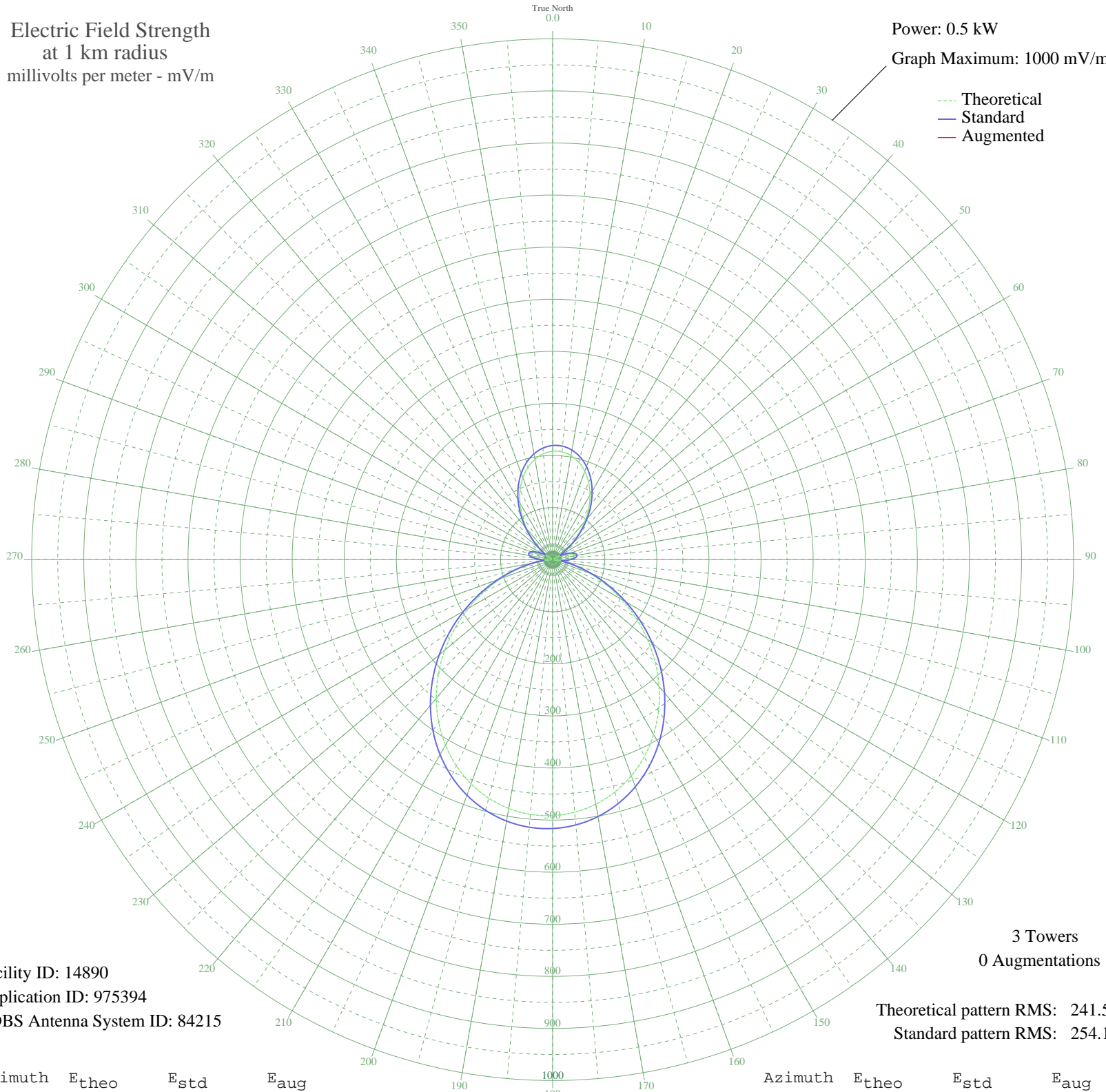


# KTKK KEARNS, UT BMJP-20040130AWS 630 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 1000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 14890  
Application ID: 975394  
CDBS Antenna System ID: 84215

3 Towers  
0 Augmentations

Theoretical pattern RMS: 241.55  
Standard pattern RMS: 254.15

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	208.16	219.17	
5	207.72	218.71	
10	202.84	213.61	
15	193.67	204.00	
20	180.45	190.17	
25	163.55	172.50	
30	143.48	151.53	
35	120.87	127.95	
40	96.50	102.62	
45	71.25	76.56	
50	46.11	51.08	
55	22.17	28.41	
60	0.51	16.29	
65	17.76	24.75	
70	31.62	36.98	
75	40.18	45.22	
80	42.73	47.73	
85	38.80	43.87	
90	28.17	33.77	
95	10.93	19.92	
100	12.56	20.96	
105	41.69	46.70	
110	75.58	81.02	
115	113.24	120.01	
120	153.51	162.00	
125	195.22	205.63	
130	237.20	249.60	
135	278.36	292.73	
140	317.69	333.97	
145	354.33	372.40	
150	387.55	407.25	
155	416.79	437.93	
160	441.59	463.95	
165	461.63	484.99	
170	476.70	500.80	
175	486.64	511.23	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	491.36	516.19	
185	490.84	515.64	
190	485.07	509.58	
195	474.09	498.06	
200	458.02	481.19	
205	437.00	459.14	
210	411.28	432.15	
215	381.21	400.60	
220	347.25	364.98	
225	310.01	325.92	
230	270.24	284.22	
235	228.84	240.83	
240	186.82	196.83	
245	145.30	153.43	
250	105.46	111.92	
255	68.47	73.71	
260	35.45	40.63	
265	7.39	18.04	
270	14.90	22.58	
275	30.84	36.24	
280	40.12	45.16	
285	42.73	47.73	
290	38.93	44.00	
295	29.24	34.75	
300	14.42	22.24	
305	4.61	16.99	
310	26.81	32.52	
315	51.08	56.05	
320	76.32	81.77	
325	101.47	107.78	
330	125.56	132.84	
335	147.72	155.95	
340	167.20	176.31	
345	183.40	193.26	
350	195.84	206.27	
355	204.17	214.99	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission