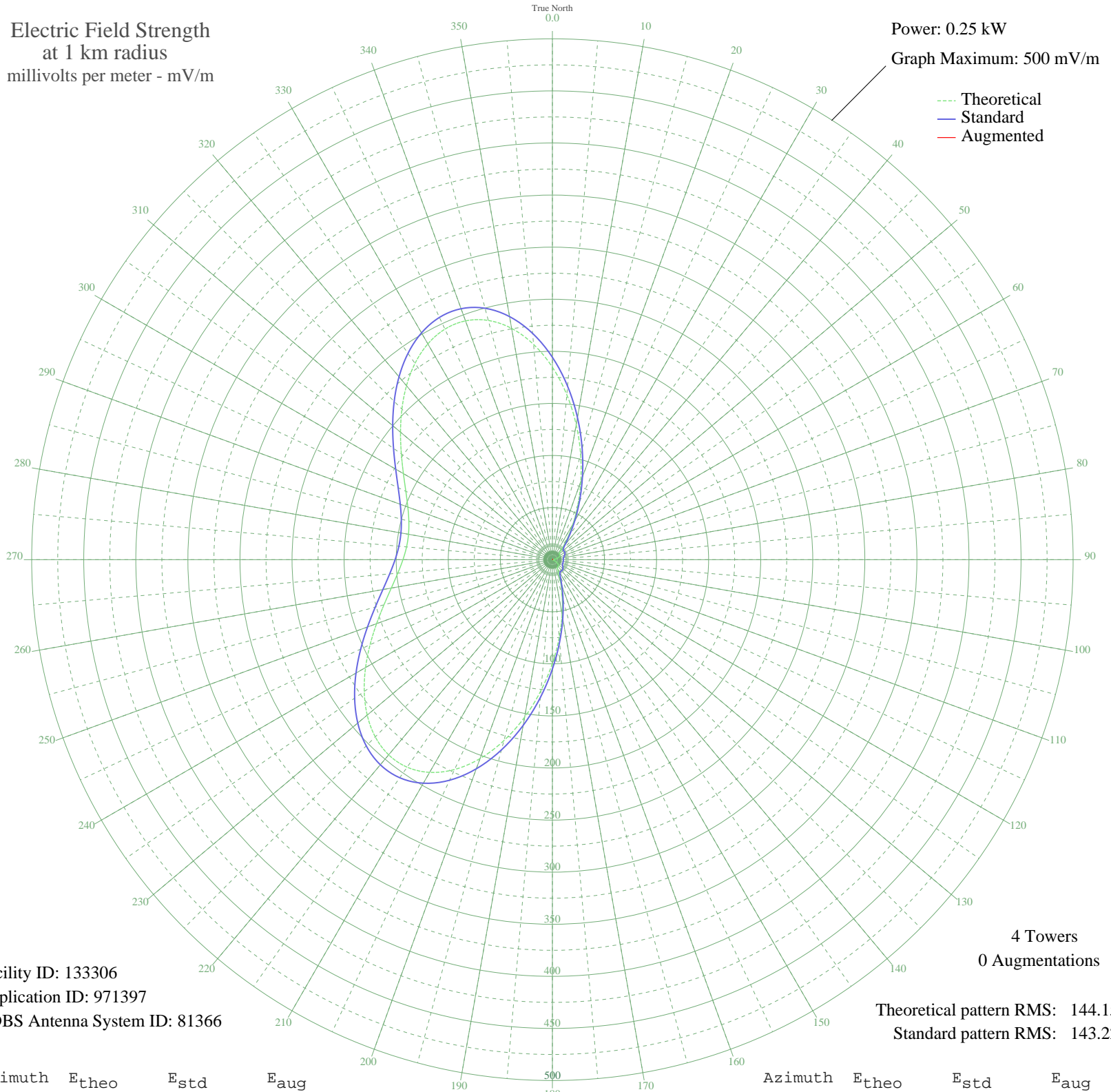


KNAX DONIPHAN, NE BMAP-20040126AHN 700 kHz

Nighttime

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

Power: 0.25 kW
Graph Maximum: 500 mV/m



Facility ID: 133306
Application ID: 971397
CDBS Antenna System ID: 81366

Theoretical pattern RMS: 144.15
Standard pattern RMS: 143.22

Azimuth	E _{theo}	E _{std}	E _{aug}
0	184.77	194.29	
5	158.91	167.18	
10	131.62	138.60	
15	104.67	110.40	
20	79.62	84.25	
25	57.63	61.41	
30	39.41	42.69	
35	25.30	28.56	
40	15.40	19.28	
45	9.94	14.80	
50	8.47	13.76	
55	8.67	13.89	
60	8.62	13.86	
65	7.82	13.33	
70	6.35	12.44	
75	4.47	11.50	
80	2.48	10.82	
85	0.69	10.52	
90	0.75	10.53	
95	1.52	10.62	
100	1.59	10.63	
105	0.95	10.55	
110	0.39	10.51	
115	2.10	10.73	
120	4.07	11.34	
125	6.00	12.24	
130	7.57	13.17	
135	8.52	13.79	
140	8.71	13.92	
145	8.46	13.76	
150	9.38	14.39	
155	13.95	18.02	
160	22.97	26.31	
165	36.26	39.49	
170	53.67	57.32	
175	74.94	79.39	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	99.46	104.96	
185	126.15	132.87	
190	153.51	161.52	
195	179.80	189.08	
200	203.24	213.66	
205	222.27	233.62	
210	235.78	247.79	
215	243.19	255.57	
220	244.59	257.03	
225	240.56	252.81	
230	232.13	243.97	
235	220.56	231.82	
240	207.15	217.76	
245	193.16	203.09	
250	179.64	188.92	
255	167.42	176.10	
260	157.09	165.28	
265	149.04	156.85	
270	143.50	151.04	
275	140.57	147.97	
280	140.30	147.69	
285	142.70	150.20	
290	147.73	155.47	
295	155.29	163.39	
300	165.19	173.76	
305	177.07	186.22	
310	190.39	200.19	
315	204.37	214.84	
320	217.98	229.12	
325	230.03	241.76	
330	239.19	251.37	
335	244.19	256.61	
340	243.94	256.36	
345	237.75	249.86	
350	225.44	236.95	
355	207.44	218.07	

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