

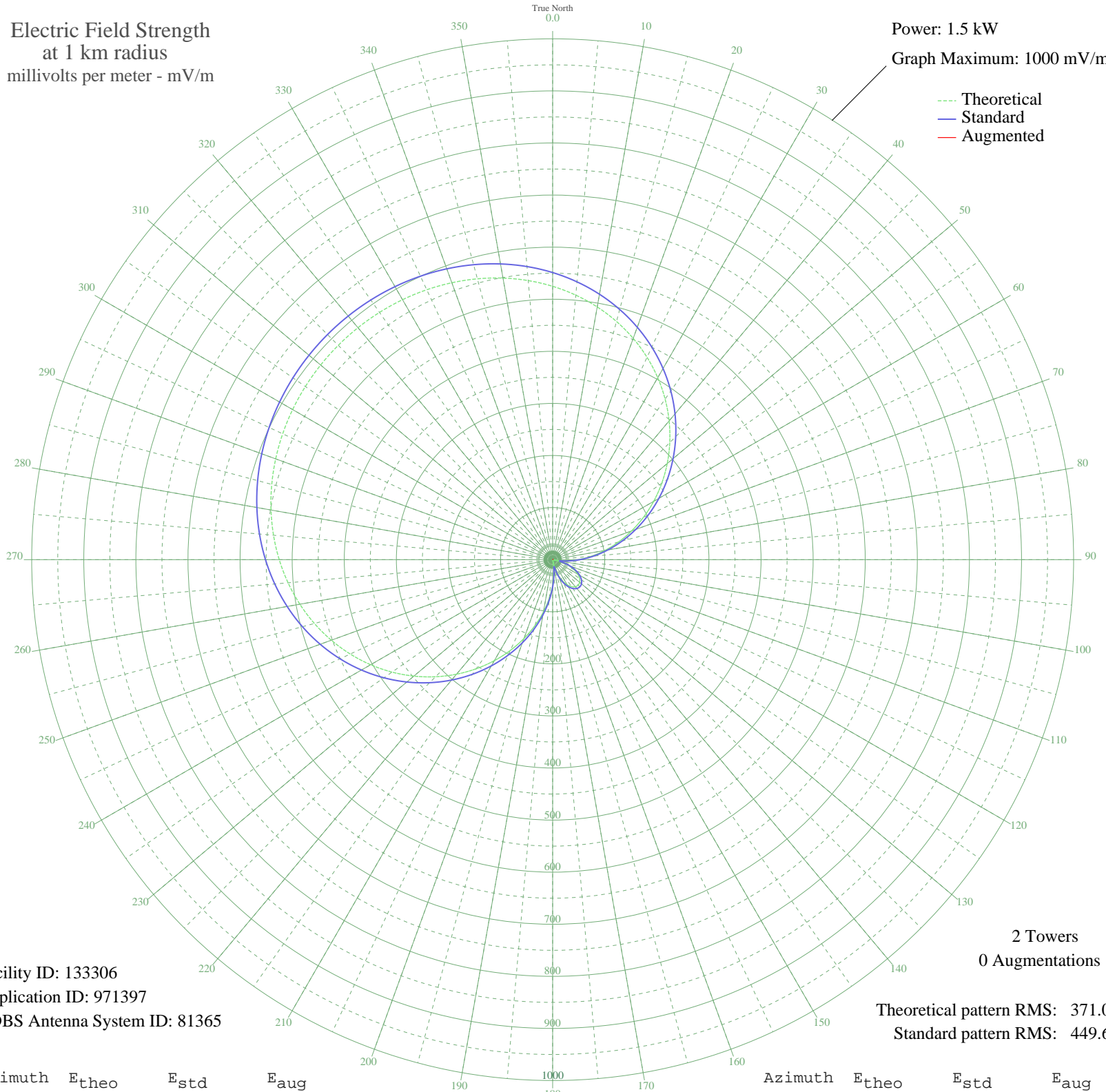
KNAX DONIPHAN, NE BMAP-20040126AHN 700 kHz

Daytime

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

Power: 1.5 kW
Graph Maximum: 1000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 133306
Application ID: 971397
CDBS Antenna System ID: 81365

2 Towers
0 Augmentations

Theoretical pattern RMS: 371.02
Standard pattern RMS: 449.61

Azimuth	E _{theo}	E _{std}	E _{aug}
0	524.84	551.23	
5	509.80	535.45	
10	492.68	517.48	
15	473.44	497.28	
20	452.11	474.89	
25	428.73	450.35	
30	403.43	423.80	
35	376.38	395.40	
40	347.78	365.40	
45	317.92	334.06	
50	287.09	301.71	
55	255.63	268.71	
60	223.90	235.44	
65	192.28	202.30	
70	161.13	169.68	
75	130.84	137.98	
80	101.74	107.60	
85	74.17	78.93	
90	48.42	52.44	
95	24.75	29.00	
100	3.39	13.34	
105	15.46	20.71	
110	31.66	35.64	
115	45.06	49.03	
120	55.58	59.76	
125	63.14	67.54	
130	67.70	72.24	
135	69.22	73.81	
140	67.70	72.24	
145	63.14	67.54	
150	55.58	59.76	
155	45.06	49.03	
160	31.66	35.64	
165	15.46	20.71	
170	3.39	13.34	
175	24.75	29.00	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	48.42	52.44	
185	74.17	78.93	
190	101.74	107.60	
195	130.84	137.98	
200	161.13	169.68	
205	192.28	202.30	
210	223.90	235.44	
215	255.63	268.71	
220	287.09	301.71	
225	317.92	334.06	
230	347.78	365.40	
235	376.38	395.40	
240	403.43	423.80	
245	428.73	450.35	
250	452.11	474.89	
255	473.44	497.28	
260	492.68	517.48	
265	509.80	535.45	
270	524.84	551.23	
275	537.86	564.90	
280	548.94	576.54	
285	558.22	586.27	
290	565.79	594.22	
295	571.79	600.52	
300	576.33	605.28	
305	579.50	608.61	
310	581.37	610.57	
315	581.99	611.22	
320	581.37	610.57	
325	579.50	608.61	
330	576.33	605.28	
335	571.79	600.52	
340	565.79	594.22	
345	558.22	586.27	
350	548.94	576.54	
355	537.86	564.90	

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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Prepared by Audio Division, Media Bureau
Federal Communications Commission