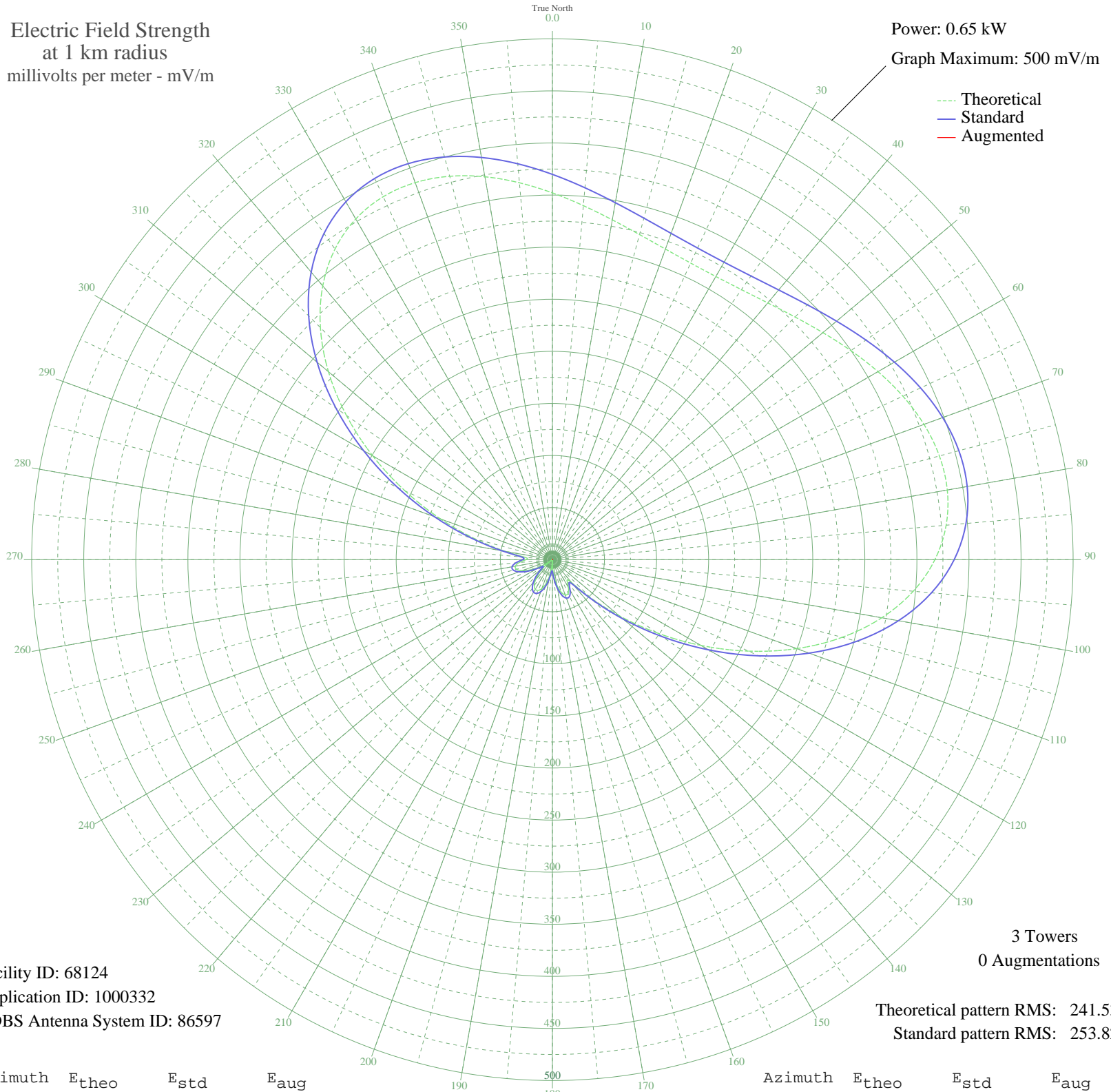


# KCHN BROOKSHIRE, TX BP-20040112AAY 1050 kHz

Nighttime

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

Power: 0.65 kW  
Graph Maximum: 500 mV/m



Facility ID: 68124  
Application ID: 1000332  
CDBS Antenna System ID: 86597

Theoretical pattern RMS: 241.53  
Standard pattern RMS: 253.82

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	352.11	369.86	
5	341.15	358.36	
10	331.24	347.96	
15	323.11	339.43	
20	317.30	333.33	
25	314.16	330.03	
30	313.87	329.73	
35	316.45	332.44	
40	321.75	338.00	
45	329.45	346.08	
50	339.06	356.17	
55	349.88	367.52	
60	361.01	379.20	
65	371.36	390.07	
70	379.70	398.83	
75	384.70	404.07	
80	385.04	404.43	
85	379.53	398.65	
90	367.28	385.79	
95	347.82	365.36	
100	321.18	337.41	
105	288.05	302.63	
110	249.66	262.35	
115	207.80	218.44	
120	164.60	173.15	
125	122.44	128.99	
130	83.75	88.56	
135	51.18	54.76	
140	29.03	32.24	
145	24.40	27.69	
150	30.75	33.95	
155	35.68	38.91	
160	36.09	39.32	
165	32.11	35.31	
170	24.70	27.98	
175	15.06	18.98	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	4.37	11.46	
185	6.25	12.38	
190	15.90	19.72	
195	23.84	27.14	
200	29.52	32.73	
205	32.59	35.80	
210	32.88	36.08	
215	30.35	33.55	
220	25.17	28.44	
225	17.65	21.30	
230	8.29	13.64	
235	2.21	10.75	
240	12.97	17.19	
245	22.91	26.25	
250	30.87	34.07	
255	35.62	38.85	
260	36.14	39.38	
265	32.04	35.24	
270	25.34	28.61	
275	26.53	29.77	
280	45.72	49.14	
285	76.65	81.16	
290	114.34	120.52	
295	156.01	164.15	
300	199.19	209.41	
305	241.50	253.79	
310	280.74	294.97	
315	315.05	330.97	
320	343.05	360.36	
325	363.97	382.32	
330	377.64	396.67	
335	384.44	403.80	
340	385.18	404.58	
345	381.01	400.20	
350	373.23	392.04	
355	363.18	381.48	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission