

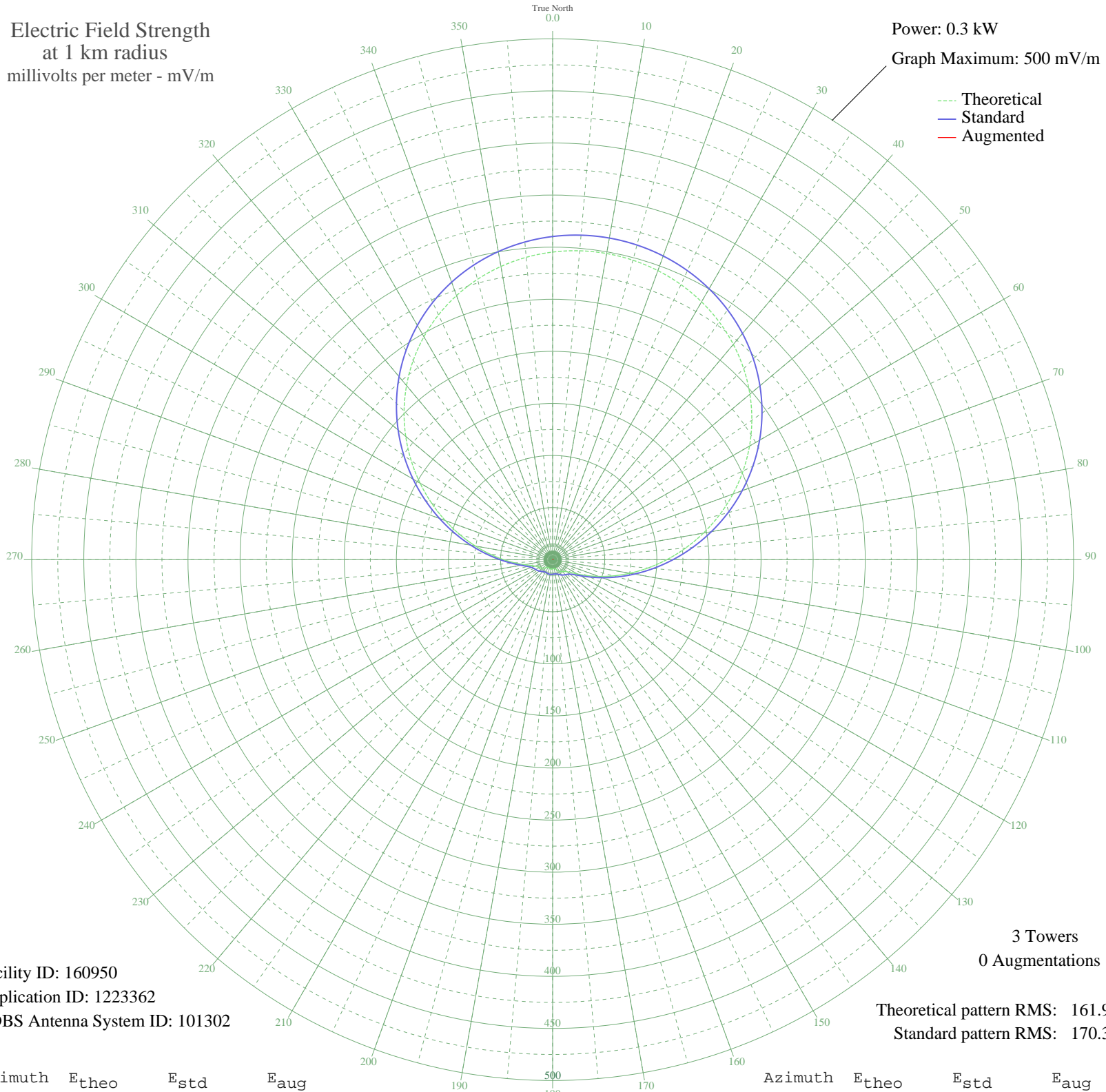
KBQX BIG SPRING, TX BNP-20050118AGX 730 kHz

Nighttime

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

Power: 0.3 kW
Graph Maximum: 500 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 160950
Application ID: 1223362
CDBS Antenna System ID: 101302

3 Towers
0 Augmentations

Theoretical pattern RMS: 161.93
Standard pattern RMS: 170.35

Azimuth	E _{theo}	E _{std}	E _{aug}
0	295.28	310.23	
5	297.63	312.68	
10	298.41	313.50	
15	297.63	312.68	
20	295.28	310.23	
25	291.36	306.11	
30	285.82	300.29	
35	278.64	292.76	
40	269.79	283.47	
45	259.27	272.44	
50	247.11	259.68	
55	233.37	245.27	
60	218.17	229.32	
65	201.66	212.01	
70	184.09	193.58	
75	165.74	174.34	
80	146.94	154.65	
85	128.09	134.90	
90	109.57	115.53	
95	91.82	96.98	
100	75.23	79.68	
105	60.18	64.06	
110	47.03	50.49	
115	36.09	39.32	
120	27.59	30.81	
125	21.64	25.03	
130	18.03	21.65	
135	16.09	19.89	
140	14.93	18.87	
145	13.89	17.97	
150	12.69	16.97	
155	11.35	15.88	
160	10.05	14.88	
165	9.05	14.16	
170	8.57	13.83	
175	8.59	13.84	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	8.89	14.05	
185	9.19	14.26	
190	9.31	14.35	
195	9.19	14.26	
200	8.89	14.05	
205	8.59	13.84	
210	8.57	13.83	
215	9.05	14.16	
220	10.05	14.88	
225	11.35	15.88	
230	12.69	16.97	
235	13.89	17.97	
240	14.93	18.87	
245	16.09	19.89	
250	18.03	21.65	
255	21.64	25.03	
260	27.59	30.81	
265	36.09	39.32	
270	47.03	50.49	
275	60.18	64.06	
280	75.23	79.68	
285	91.82	96.98	
290	109.57	115.53	
295	128.09	134.90	
300	146.94	154.65	
305	165.74	174.34	
310	184.09	193.58	
315	201.66	212.01	
320	218.17	229.32	
325	233.37	245.27	
330	247.11	259.68	
335	259.28	272.44	
340	269.79	283.47	
345	278.64	292.76	
350	285.82	300.29	
355	291.36	306.11	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission