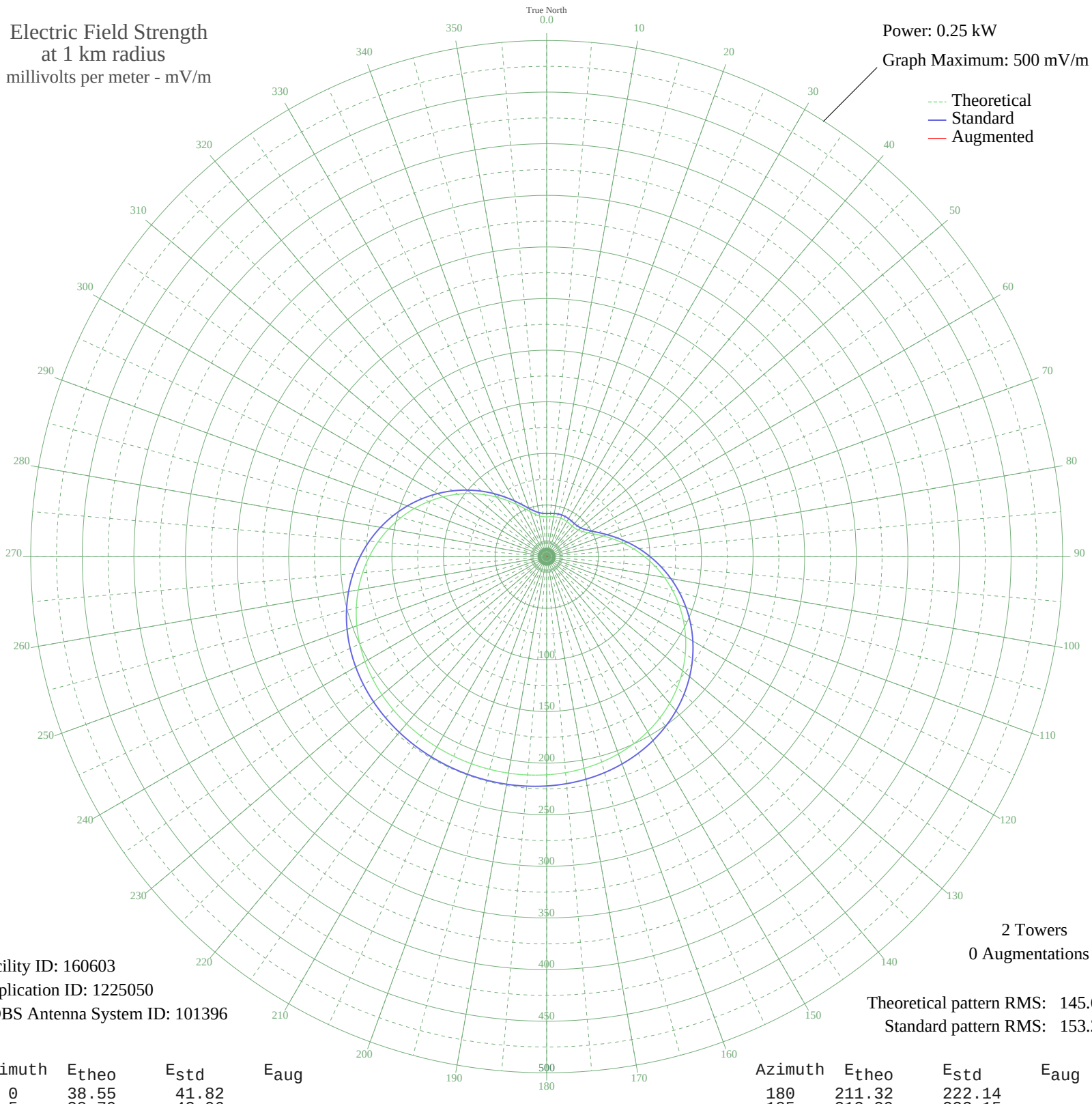
KHRX MARATHON, TX BNP-20051031AAG 1470 kHz

Nighttime

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



Power: 0.25 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 160603
Application ID: 1225050
CDBS Antenna System ID: 101396

Theoretical pattern RMS: 145.60
Standard pattern RMS: 153.24

Azimuth	E_{theo}	E_{std}	E_{aug}
0	38.55	41.82	
5	38.79	42.06	
10	39.20	42.48	
15	39.54	42.83	
20	39.67	42.96	
25	39.54	42.83	
30	39.20	42.48	
35	38.79	42.06	
40	38.55	41.82	
45	38.83	42.10	
50	40.01	43.31	
55	42.44	45.78	
60	46.32	49.75	
65	51.69	55.28	
70	58.44	62.26	
75	66.38	70.49	
80	75.28	79.74	
85	84.89	89.75	
90	95.01	100.31	
95	105.41	111.18	
100	115.90	122.15	
105	126.31	133.04	
110	136.45	143.66	
115	146.20	153.87	
120	155.42	163.53	
125	164.02	172.54	
130	171.91	180.81	
135	179.04	188.29	
140	185.40	194.95	
145	190.97	200.79	
150	195.78	205.83	
155	199.85	210.11	
160	203.25	213.67	
165	206.03	216.59	
170	208.26	218.92	
175	210.00	220.75	
180	211.32	222.14	
185	212.29	223.15	
190	212.94	223.83	
195	213.31	224.22	
200	213.43	224.35	
205	213.31	224.22	
210	212.94	223.83	
215	212.29	223.15	
220	211.32	222.14	
225	210.00	220.75	
230	208.26	218.92	
235	206.03	216.59	
240	203.25	213.67	
245	199.85	210.11	
250	195.78	205.83	
255	190.97	200.79	
260	185.40	194.95	
265	179.04	188.29	
270	171.91	180.81	
275	164.02	172.54	
280	155.42	163.53	
285	146.20	153.87	
290	136.45	143.66	
295	126.31	133.04	
300	115.90	122.15	
305	105.41	111.18	
310	95.01	100.31	
315	84.89	89.75	
320	75.28	79.74	
325	66.38	70.49	
330	58.44	62.26	
335	51.69	55.28	
340	46.32	49.75	
345	42.44	45.78	
350	40.01	43.31	
355	38.83	42.10	

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.

15 Mar 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission