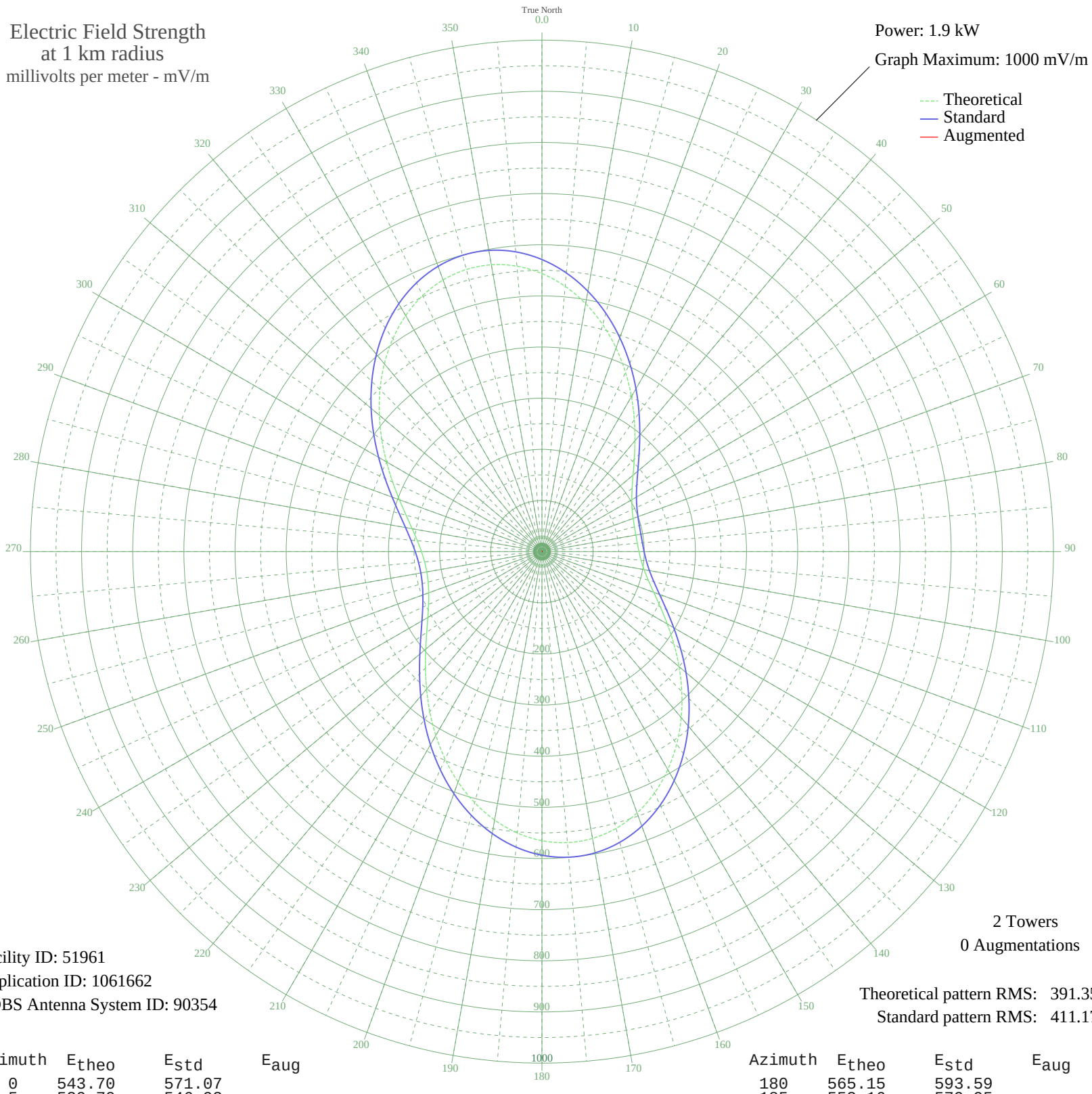
KBRN BOERNE, TX BP-20041220AAR 1500 kHz

Daytime

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



Power: 1.9 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 51961
Application ID: 1061662
CDBS Antenna System ID: 90354

Theoretical pattern RMS: 391.35
Standard pattern RMS: 411.17

Azimuth	E_{theo}	E_{std}	E_{aug}
0	543.70	571.07	
5	520.70	546.93	
10	492.16	516.97	
15	459.34	482.52	
20	423.66	445.08	
25	386.66	406.25	
30	349.91	367.69	
35	314.90	330.97	
40	283.00	297.51	
45	255.33	268.49	
50	232.63	244.69	
55	215.19	226.42	
60	202.75	213.38	
65	194.58	204.82	
70	189.73	199.74	
75	187.25	197.15	
80	186.50	196.36	
85	187.25	197.15	
90	189.73	199.74	
95	194.58	204.82	
100	202.75	213.38	
105	215.19	226.42	
110	232.63	244.69	
115	255.33	268.49	
120	283.00	297.51	
125	314.90	330.97	
130	349.91	367.69	
135	386.66	406.25	
140	423.66	445.08	
145	459.34	482.52	
150	492.16	516.97	
155	520.70	546.93	
160	543.70	571.07	
165	560.16	588.34	
170	569.37	598.02	
175	571.03	599.75	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	565.15	593.59	
185	552.16	579.95	
190	532.81	559.64	
195	508.11	533.71	
200	479.31	503.49	
205	447.79	470.40	
210	414.96	435.95	
215	382.22	401.59	
220	350.85	368.68	
225	321.97	338.38	
230	296.46	311.62	
235	274.90	289.01	
240	257.59	270.85	
245	244.53	257.16	
250	235.51	247.71	
255	230.27	242.22	
260	228.55	240.42	
265	230.27	242.22	
270	235.51	247.71	
275	244.53	257.16	
280	257.59	270.85	
285	274.90	289.01	
290	296.46	311.62	
295	321.97	338.38	
300	350.85	368.68	
305	382.22	401.59	
310	414.96	435.95	
315	447.79	470.40	
320	479.31	503.49	
325	508.11	533.71	
330	532.81	559.64	
335	552.17	579.95	
340	565.15	593.59	
345	571.03	599.75	
350	569.37	598.02	
355	560.15	588.34	

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission