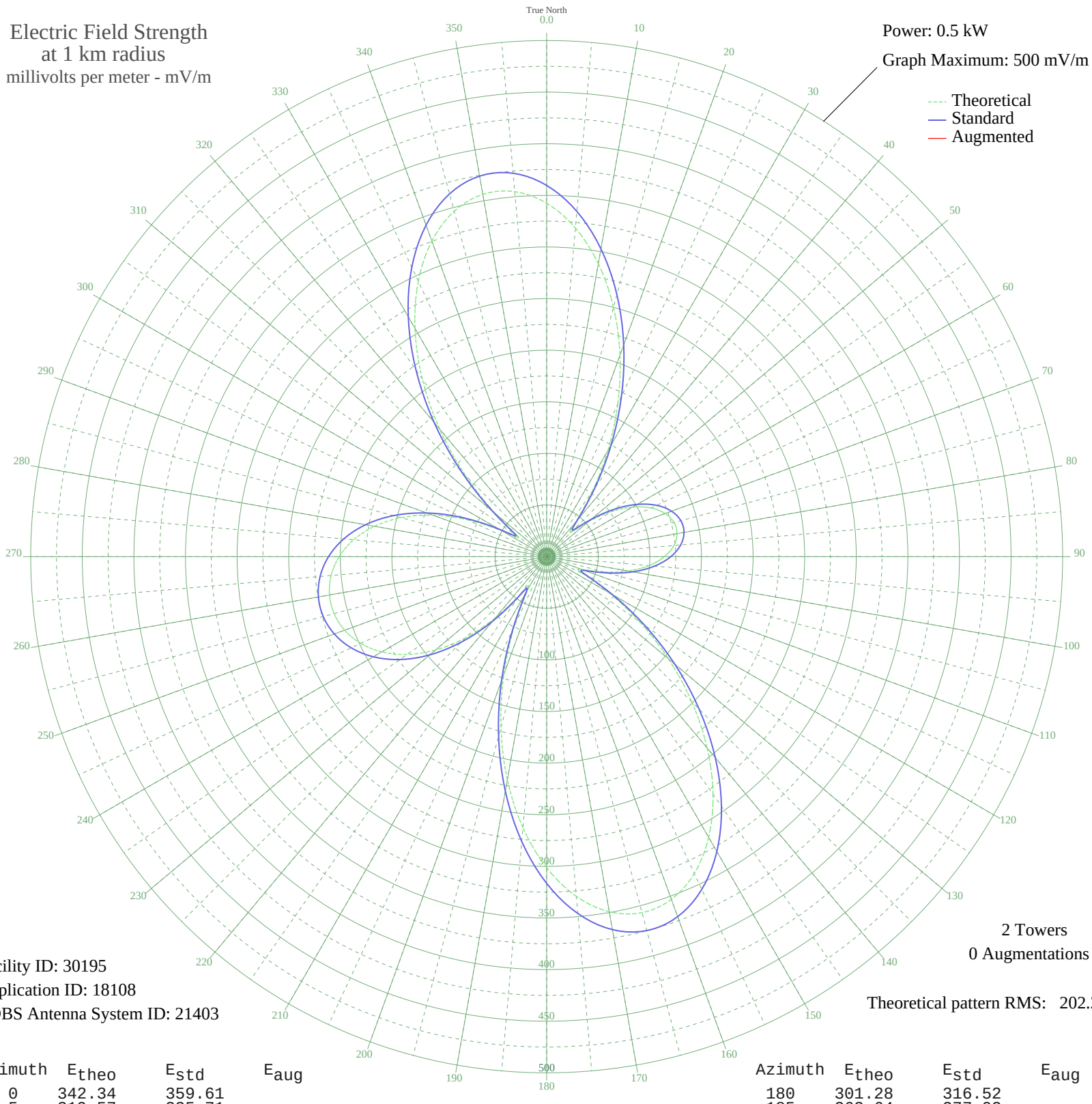
KPIR GRANBURY, TX BL-19800227AB 1420 kHz

Nighttime

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



Power: 0.5 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

Facility ID: 30195
Application ID: 18108
CDBS Antenna System ID: 21403

2 Towers
0 Augmentations

Theoretical pattern RMS: 202.29

Azimuth	E_{theo}	E_{std}	E_{aug}
0	342.34	359.61	
5	319.57	335.71	
10	288.16	302.75	
15	250.10	262.82	
20	207.61	218.24	
25	163.00	171.47	
30	118.62	124.99	
35	77.08	81.61	
40	43.31	46.67	
45	33.58	36.79	
50	52.35	55.96	
55	75.68	80.15	
60	95.92	101.26	
65	111.57	117.62	
70	122.23	128.77	
75	127.81	134.61	
80	128.32	135.15	
85	123.75	130.36	
90	114.10	120.27	
95	99.44	104.94	
100	80.05	84.71	
105	57.08	60.85	
110	35.97	39.20	
115	38.59	41.86	
120	69.44	73.66	
125	109.98	115.96	
130	154.03	162.07	
135	198.78	208.99	
140	241.88	254.19	
145	281.01	295.25	
150	313.92	329.78	
155	338.56	355.64	
160	353.28	371.10	
165	356.99	374.99	
170	349.25	366.87	
175	330.35	347.03	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	301.28	316.52	
185	263.64	277.02	
190	219.48	230.69	
195	171.20	180.07	
200	121.42	127.93	
205	73.51	77.89	
210	36.56	39.80	
215	43.49	46.85	
220	77.33	81.87	
225	111.11	117.14	
230	140.66	148.06	
235	165.14	173.72	
240	184.48	193.98	
245	198.80	209.00	
250	208.32	218.99	
255	213.25	224.16	
260	213.69	224.62	
265	209.67	220.40	
270	201.08	211.39	
275	187.73	197.40	
280	169.42	178.20	
285	145.97	153.63	
290	117.40	123.72	
295	84.33	89.16	
300	49.65	53.18	
305	33.29	36.50	
310	64.66	68.70	
315	111.55	117.60	
320	161.27	169.66	
325	210.08	220.83	
330	255.25	268.22	
335	294.38	309.27	
340	325.31	341.74	
345	346.34	363.81	
350	356.36	374.33	
355	354.93	372.83	

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

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Federal Communications Commission