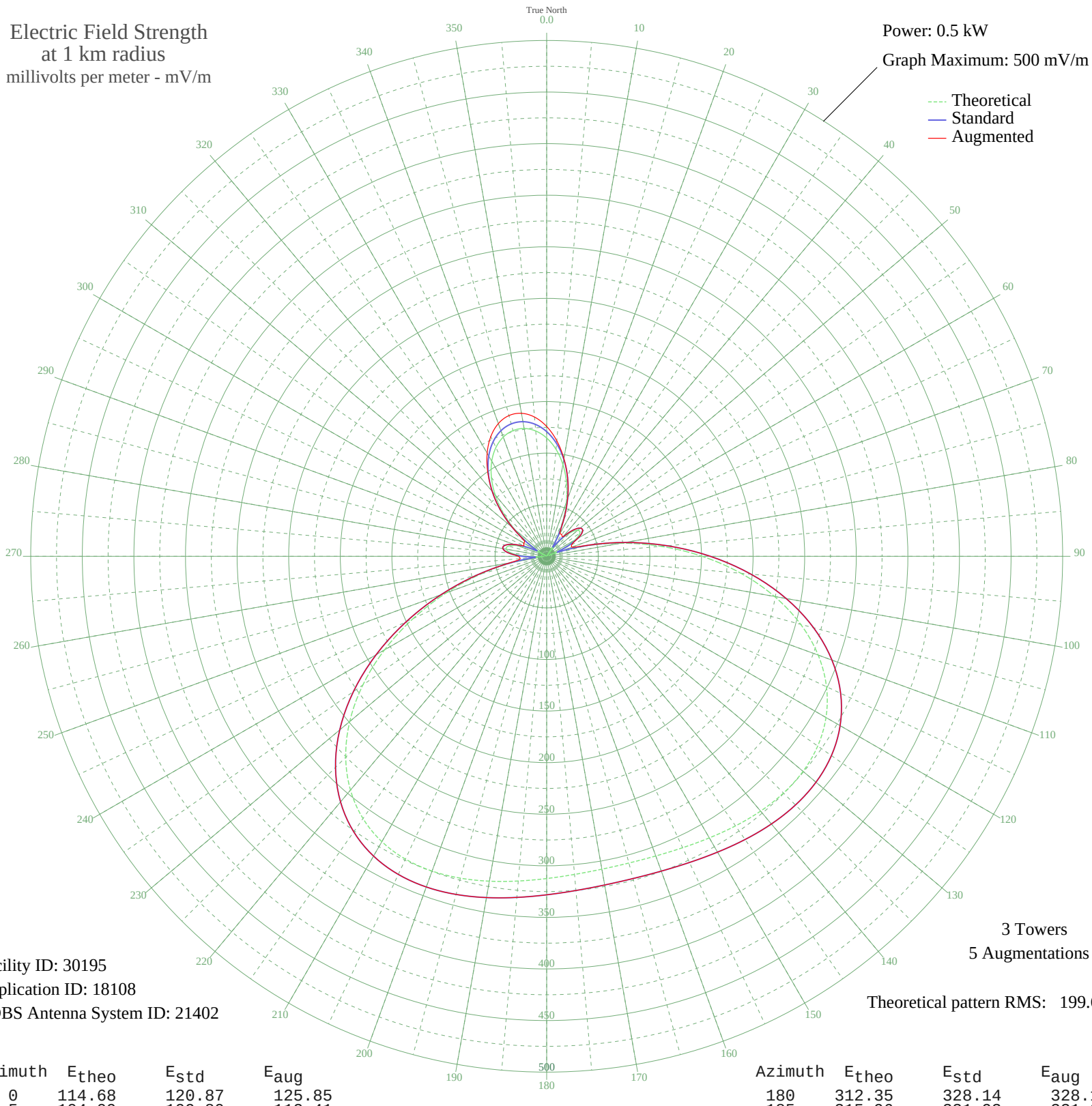
KPIR GRANBURY, TX BL-19800227AB 1420 kHz

Daytime

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



Power: 0.5 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

3 Towers
5 Augmentations

Facility ID: 30195
Application ID: 18108
CDBS Antenna System ID: 21402

Theoretical pattern RMS: 199.66

Azimuth	E_{theo}	E_{std}	E_{aug}
0	114.68	120.87	125.85
5	104.09	109.80	112.41
10	90.42	95.52	96.17
15	74.05	78.46	78.46
20	55.56	59.28	59.28
25	35.75	38.98	38.98
30	15.68	19.53	25.64
35	3.35	11.07	25.58
40	19.87	23.36	25.03
45	32.32	35.52	35.52
50	39.20	42.48	42.48
55	39.25	42.53	42.53
60	31.60	34.80	34.80
65	15.93	19.75	26.84
70	7.43	13.08	26.02
75	37.51	40.76	41.33
80	72.76	77.12	77.12
85	111.21	117.24	117.24
90	150.66	158.54	158.54
95	188.96	198.69	198.69
100	224.19	235.63	235.63
105	254.85	267.80	267.80
110	279.98	294.17	294.17
115	299.18	314.31	314.31
120	312.55	328.35	328.35
125	320.65	336.84	336.84
130	324.31	340.69	340.69
135	324.55	340.94	340.94
140	322.45	338.74	338.74
145	319.03	335.15	335.15
150	315.20	331.13	331.13
155	311.71	327.47	327.47
160	309.13	324.75	324.75
165	307.82	323.38	323.38
170	307.97	323.54	323.54
175	309.55	325.20	325.20

Azimuth	E_{theo}	E_{std}	E_{aug}
180	312.35	328.14	328.14
185	315.96	331.93	331.93
190	319.78	335.93	335.93
195	323.01	339.32	339.32
200	324.73	341.12	341.12
205	323.88	340.24	340.24
210	319.41	335.55	335.55
215	310.32	326.01	326.01
220	295.82	310.78	310.78
225	275.43	289.39	289.39
230	249.14	261.81	261.81
235	217.47	228.58	228.58
240	181.49	190.85	190.85
245	142.80	150.30	150.30
250	103.37	109.04	109.04
255	65.39	69.45	69.45
260	31.02	34.22	35.97
265	2.18	10.75	25.75
270	19.70	23.20	27.58
275	33.77	36.98	36.98
280	39.83	43.12	43.12
285	38.34	41.60	41.60
290	30.23	33.43	33.43
295	16.85	20.57	24.37
300	0.30	10.50	25.75
305	19.65	23.15	26.58
310	39.77	43.06	43.06
315	59.39	63.24	63.24
320	77.52	82.07	82.07
325	93.39	98.61	99.58
330	106.46	112.28	115.36
335	116.40	122.67	128.11
340	123.00	129.57	136.93
345	126.14	132.87	141.23
350	125.79	132.50	140.75
355	121.95	128.48	135.51

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.

22 Feb 2009

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