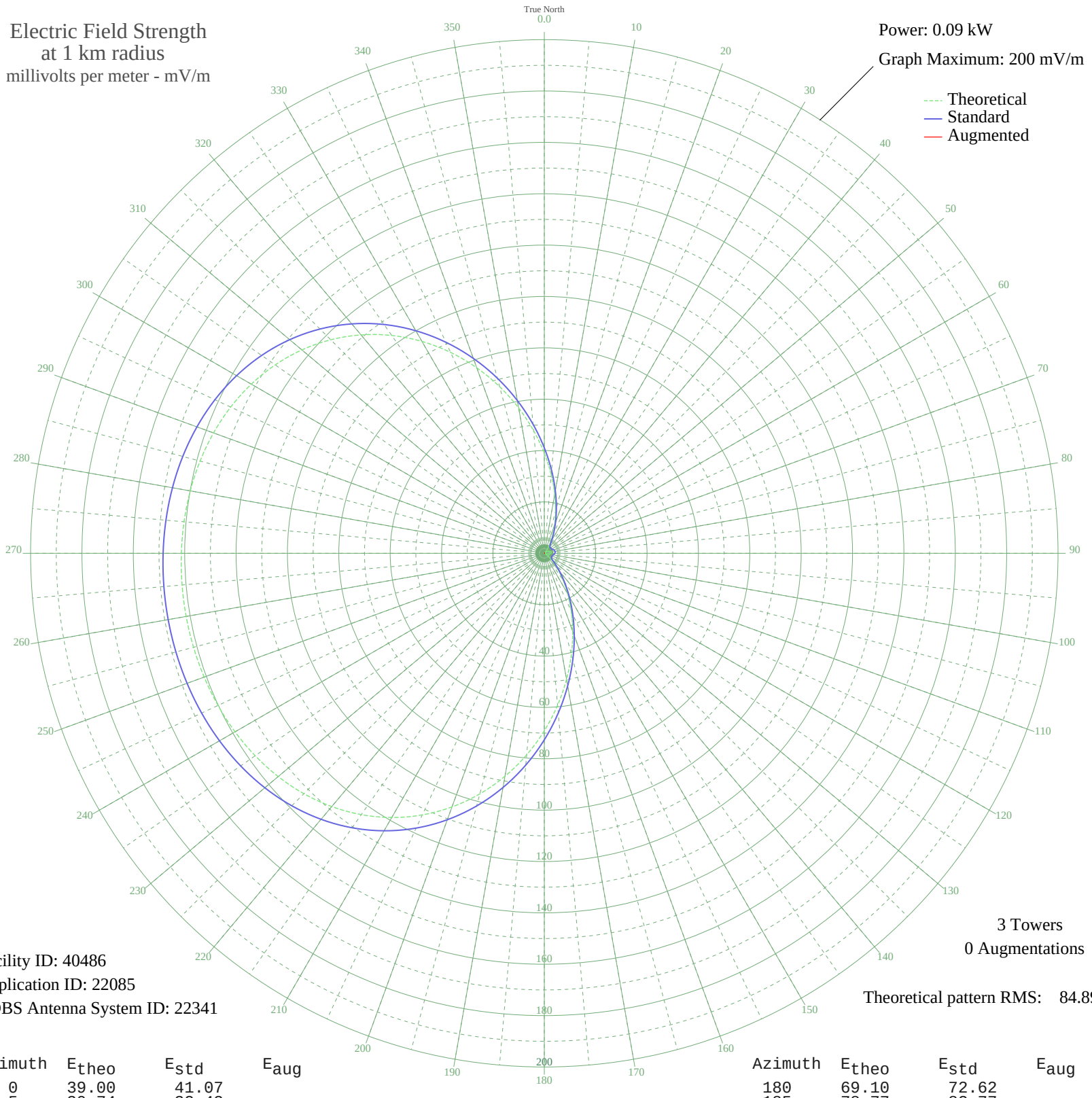
KCHL SAN ANTONIO, TX BL-19800729AF 1480 kHz

Nighttime

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



Power: 0.09 kW

Graph Maximum: 200 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 40486
Application ID: 22085
CDBS Antenna System ID: 22341

Theoretical pattern RMS: 84.89

Azimuth	E_{theo}	E_{std}	E_{aug}	Azimuth	E_{theo}	E_{std}	E_{aug}
0	39.00	41.07		180	69.10	72.62	
5	30.74	32.43		185	78.77	82.77	
10	23.38	24.75		190	88.13	92.59	
15	17.03	18.16		195	96.97	101.87	
20	11.78	12.76		200	105.10	110.40	
25	7.62	8.60		205	112.39	118.05	
30	4.52	5.69		210	118.77	124.75	
35	2.38	4.02		215	124.21	130.46	
40	1.08	3.35		220	128.72	135.20	
45	0.47	3.19		225	132.37	139.02	
50	0.38	3.17		230	135.23	142.03	
55	0.65	3.22		235	137.41	144.32	
60	1.14	3.37		240	139.02	146.01	
65	1.70	3.62		245	140.16	147.20	
70	2.21	3.91		250	140.92	148.00	
75	2.59	4.16		255	141.37	148.48	
80	2.79	4.30		260	141.58	148.69	
85	2.77	4.29		265	141.56	148.67	
90	2.53	4.12		270	141.30	148.40	
95	2.12	3.85		275	140.79	147.86	
100	1.58	3.56		280	139.96	146.99	
105	1.03	3.33		285	138.74	145.71	
110	0.58	3.21		290	137.03	143.91	
115	0.36	3.17		295	134.72	141.49	
120	0.54	3.20		300	131.71	138.33	
125	1.28	3.42		305	127.89	134.32	
130	2.74	4.26		310	123.20	129.40	
135	5.06	6.17		315	117.57	123.49	
140	8.37	9.33		320	111.01	116.60	
145	12.74	13.74		325	103.54	108.76	
150	18.22	19.39		330	95.25	100.06	
155	24.77	26.20		335	86.30	90.66	
160	32.33	34.09		340	76.85	80.76	
165	40.74	42.90		345	67.15	70.58	
170	49.83	52.42		350	57.44	60.39	
175	59.37	62.42		355	47.97	50.47	

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 Feb 2012

Prepared by Audio Division, Media Bureau
Federal Communications Commission