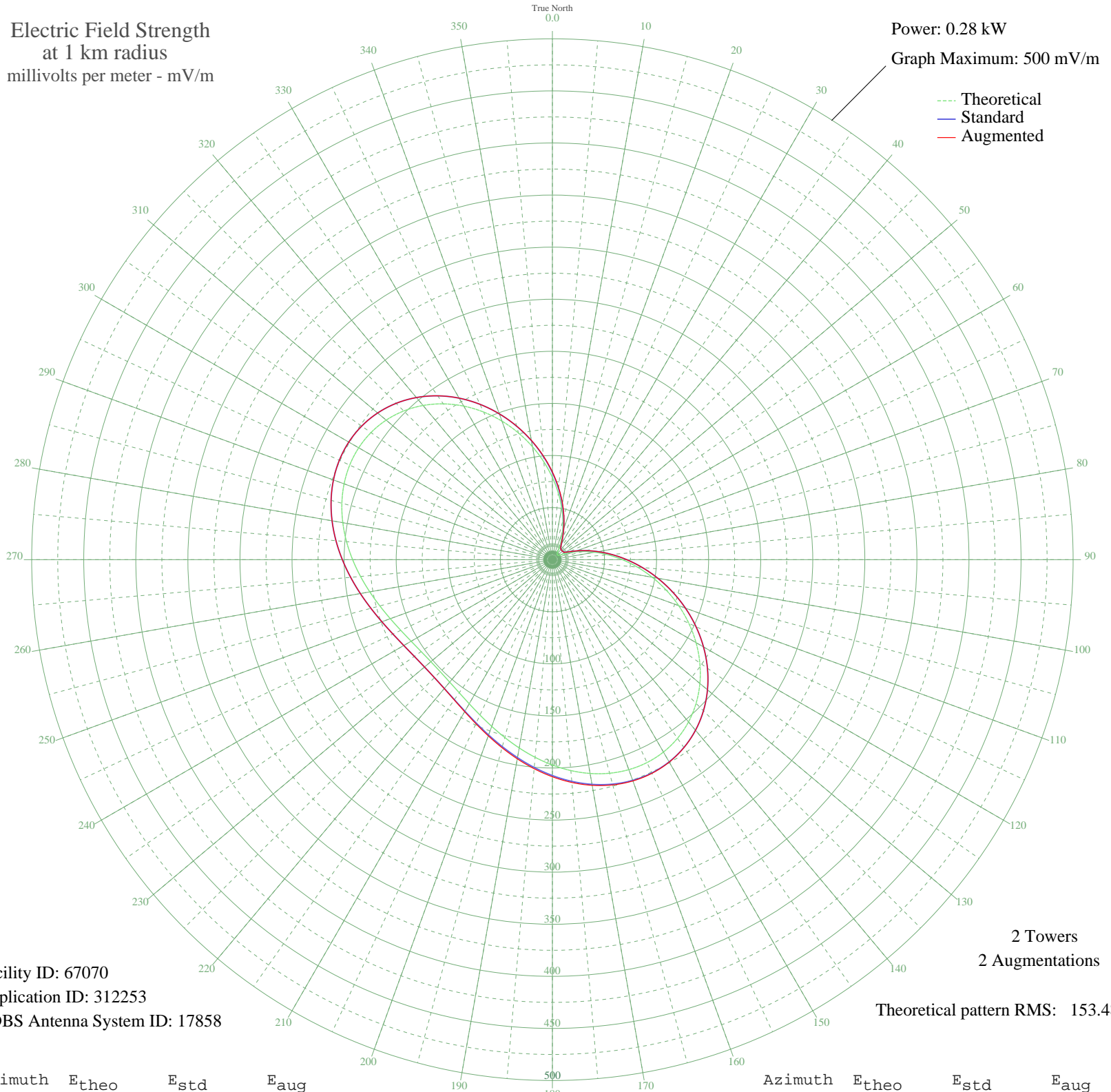


# KAHL SAN ANTONIO, TX BL-- 1310 kHz

Nighttime

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

Power: 0.28 kW  
Graph Maximum: 500 mV/m



Facility ID: 67070  
Application ID: 312253  
CDBS Antenna System ID: 17858

2 Towers  
2 Augmentations  
Theoretical pattern RMS: 153.48

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	78.92	83.53	84.20
5	64.39	68.42	69.22
10	50.94	54.51	55.31
15	38.84	42.11	42.75
20	28.31	31.53	31.86
25	19.58	23.08	23.12
30	12.90	17.14	17.14
35	8.65	13.88	13.88
40	6.91	12.76	12.76
45	6.65	12.61	12.61
50	6.66	12.61	12.61
55	7.09	12.87	12.87
60	9.29	14.33	14.33
65	14.06	18.11	18.11
70	21.17	24.58	24.58
75	30.28	33.48	33.48
80	41.14	44.46	44.46
85	53.53	57.18	57.18
90	67.22	71.35	71.35
95	81.93	86.67	86.67
100	97.38	102.79	102.79
105	113.22	119.34	119.34
110	129.07	135.93	135.93
115	144.55	152.14	152.14
120	159.25	167.55	167.55
125	172.81	181.75	181.75
130	184.86	194.38	194.38
135	195.11	205.14	205.14
140	203.35	213.77	213.79
145	209.41	220.14	220.22
150	213.26	224.17	224.38
155	214.92	225.91	226.28
160	214.52	225.49	226.05
165	212.25	223.11	223.86
170	208.39	219.06	219.98
175	203.24	213.66	214.73

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	197.14	207.27	208.43
185	190.46	200.26	201.45
190	183.54	193.00	194.16
195	176.72	185.85	186.90
200	170.30	179.12	180.01
205	164.56	173.10	173.78
210	159.72	168.03	168.48
215	155.97	164.10	164.34
220	153.43	161.45	161.54
225	152.22	160.17	160.18
230	152.35	160.31	160.31
235	153.84	161.87	161.87
240	156.62	164.79	164.79
245	160.60	168.96	168.96
250	165.64	174.24	174.24
255	171.54	180.42	180.42
260	178.06	187.26	187.26
265	184.93	194.46	194.46
270	191.83	201.69	201.69
275	198.42	208.61	208.61
280	204.35	214.83	214.83
285	209.27	219.99	219.99
290	212.84	223.73	223.73
295	214.76	225.74	225.74
300	214.76	225.74	225.74
305	212.67	223.55	223.55
310	208.38	219.05	219.05
315	201.87	212.22	212.22
320	193.22	203.15	203.15
325	182.58	192.00	192.00
330	170.21	179.02	179.02
335	156.39	164.55	164.55
340	141.50	148.95	148.96
345	125.92	132.63	132.73
350	110.04	116.02	116.28
355	94.25	99.52	99.99

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