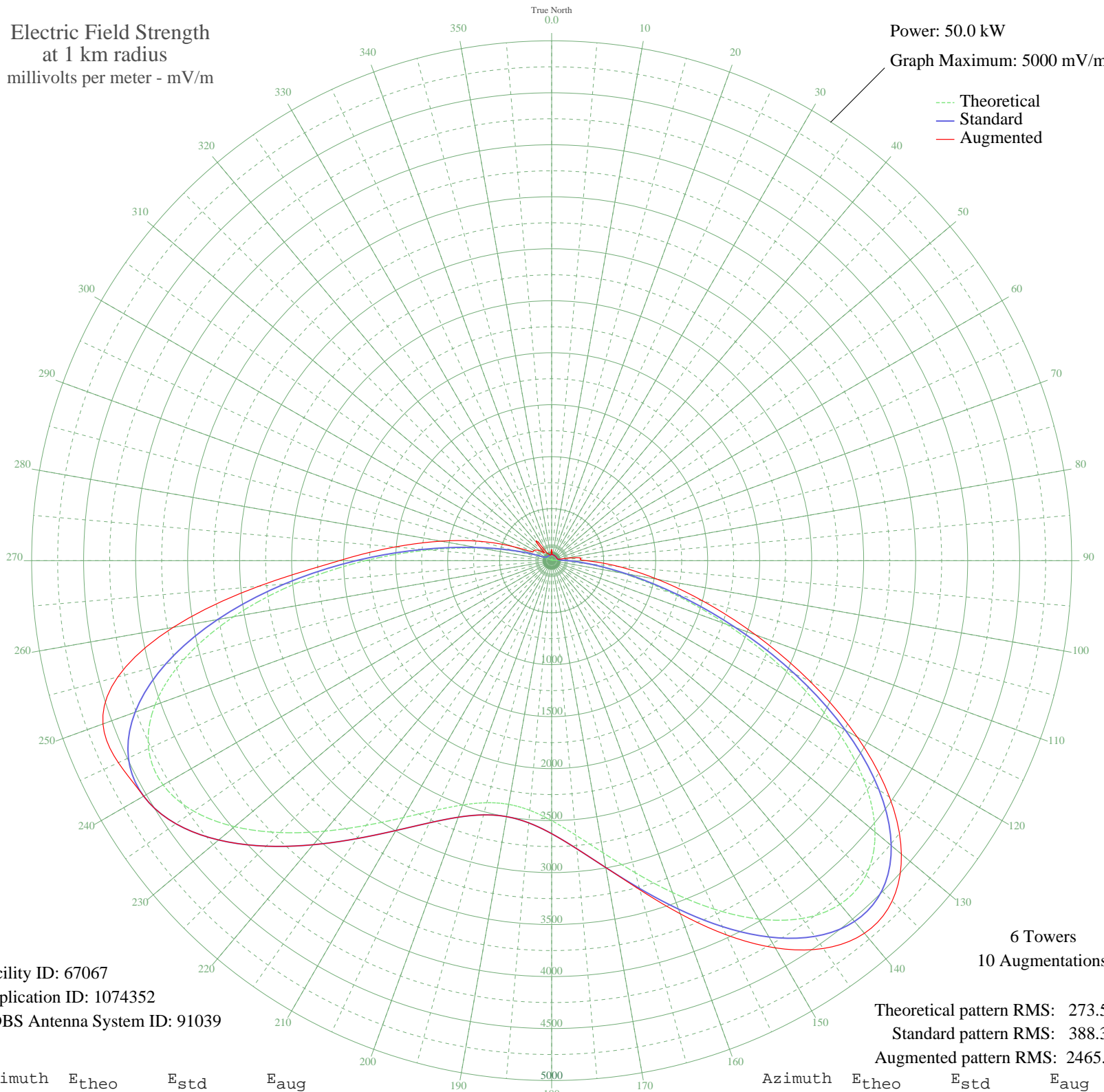


KGBT HARLINGEN, TX BL-20050711ACN 1530 kHz

Critical Hours

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

Power: 50.0 kW
Graph Maximum: 5000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 67067
Application ID: 1074352
CDBS Antenna System ID: 91039

6 Towers
10 Augmentations

Theoretical pattern RMS: 273.52
Standard pattern RMS: 388.35
Augmented pattern RMS: 2465.93

Azimuth	E _{theo}	E _{std}	E _{aug}
0	16.26	57.63	107.99
5	19.27	58.65	58.65
10	20.42	59.07	59.07
15	19.27	58.65	58.65
20	16.26	57.63	57.63
25	12.48	56.58	56.58
30	9.05	55.86	55.86
35	6.53	55.47	55.47
40	5.04	55.30	55.30
45	4.65	55.26	55.26
50	4.59	55.26	55.26
55	4.67	55.26	55.26
60	6.34	55.45	55.45
65	8.37	55.74	55.74
70	11.05	56.25	56.25
75	19.35	58.67	58.67
80	30.56	63.72	101.29
85	54.02	79.04	282.10
90	144.61	161.51	332.34
95	348.75	370.31	648.01
100	693.40	730.15	1033.85
105	1183.22	1243.60	1512.26
110	1790.73	1881.07	2087.33
115	2457.34	2580.80	2737.23
120	3105.84	3261.59	3393.42
125	3659.17	3842.52	3966.22
130	4058.76	4262.05	4389.53
135	4275.94	4490.07	4629.85
140	4313.80	4529.82	4678.20
145	4200.81	4411.19	4553.39
150	3979.99	4179.35	4300.19
155	3697.85	3883.13	3970.12
160	3396.12	3566.35	3613.93
165	3107.32	3263.15	3277.14
170	2853.79	2996.98	2996.98
175	2649.05	2782.05	2782.05

Azimuth	E _{theo}	E _{std}	E _{aug}
180	2500.17	2625.75	2625.75
185	2410.19	2531.30	2531.30
190	2380.13	2499.74	2499.74
195	2410.19	2531.30	2531.30
200	2500.17	2625.75	2625.75
205	2649.05	2782.05	2782.05
210	2853.79	2996.99	2996.99
215	3107.32	3263.15	3263.15
220	3396.13	3566.36	3566.36
225	3697.85	3883.14	3883.14
230	3979.99	4179.35	4179.35
235	4200.81	4411.19	4411.19
240	4313.80	4529.82	4529.82
245	4275.94	4490.07	4596.91
250	4058.76	4262.05	4591.03
255	3659.16	3842.51	4318.36
260	3105.83	3261.59	3695.73
265	2457.34	2580.79	2828.45
270	1790.72	1881.06	2041.56
275	1183.22	1243.60	1511.33
280	693.39	730.14	1080.08
285	348.75	370.30	720.93
290	144.61	161.51	399.30
295	54.02	79.04	198.80
300	30.56	63.72	195.48
305	19.35	58.67	178.30
310	11.05	56.25	147.82
315	8.37	55.74	112.53
320	6.34	55.45	204.85
325	4.67	55.26	160.39
330	4.59	55.26	82.62
335	4.65	55.26	72.39
340	5.04	55.30	61.60
345	6.53	55.47	55.66
350	9.05	55.86	55.86
355	12.48	56.58	56.58

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.

27 Aug 2020

Prepared by Audio Division, Media Bureau
Federal Communications Commission