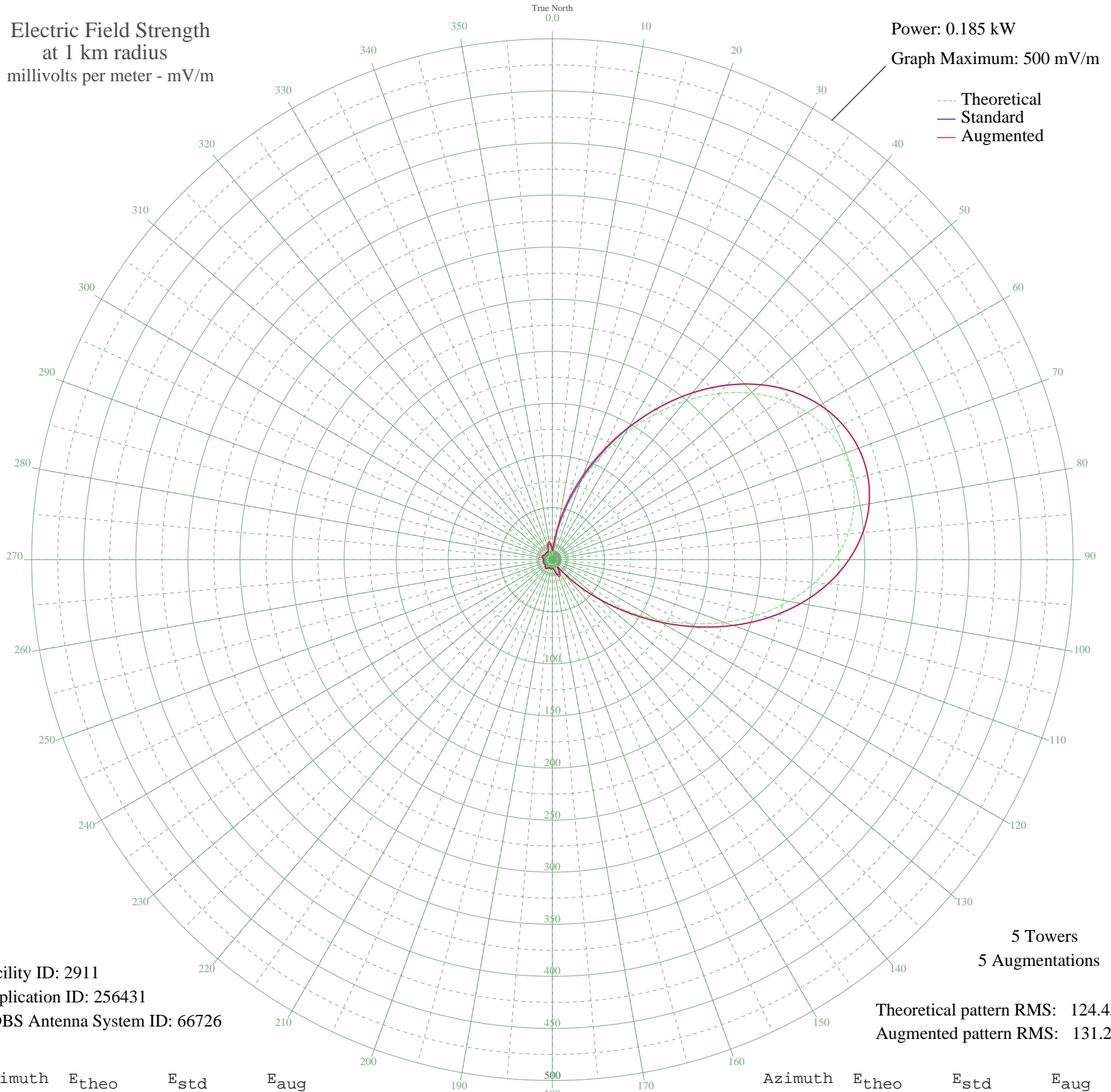


# KEYH HOUSTON, TX BL-19971105KA 850 kHz

Nighttime

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

Power: 0.185 kW  
Graph Maximum: 500 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 2911  
Application ID: 256431  
CDBS Antenna System ID: 66726

5 Towers  
5 Augmentations

Theoretical pattern RMS: 124.45  
Augmented pattern RMS: 131.22

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	4.80	8.86	8.92
5	10.86	13.54	16.16
10	28.46	30.76	35.85
15	51.35	54.40	59.83
20	78.30	82.53	86.90
25	107.98	113.61	116.31
30	138.92	146.05	147.21
35	169.68	178.31	178.53
40	198.92	208.99	208.99
45	225.54	236.93	236.93
50	248.71	261.25	261.25
55	267.84	281.33	281.33
60	282.54	296.75	296.75
65	292.59	307.30	307.30
70	297.87	312.85	312.85
75	298.35	313.36	313.36
80	294.03	308.81	308.81
85	284.92	299.26	299.26
90	271.14	284.79	284.79
95	252.88	265.62	265.62
100	230.48	242.11	242.11
105	204.48	214.83	214.83
110	175.68	184.61	184.61
115	145.13	152.57	152.57
120	114.11	120.04	120.04
125	84.06	88.56	88.56
130	56.45	59.72	59.72
135	32.65	35.05	35.05
140	13.88	16.29	16.29
145	4.07	8.45	8.45
150	9.78	12.59	13.49
155	13.11	15.58	17.38
160	12.87	15.35	17.03
165	10.25	13.00	13.59
170	6.79	10.19	10.19
175	4.32	8.58	8.58

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	4.28	8.56	8.56
185	4.99	8.97	8.97
190	5.00	8.98	8.98
195	4.41	8.63	8.63
200	4.04	8.43	8.43
205	4.56	8.72	8.93
210	5.51	9.30	9.94
215	6.17	9.75	10.70
220	6.20	9.77	10.76
225	5.62	9.38	10.10
230	4.75	8.83	9.12
235	4.11	8.47	8.48
240	4.15	8.49	8.49
245	4.66	8.78	8.78
250	5.10	9.04	9.04
255	5.15	9.07	9.07
260	4.77	8.84	8.84
265	4.23	8.53	8.53
270	4.06	8.44	8.44
275	4.58	8.73	8.82
280	5.46	9.27	9.75
285	6.13	9.72	10.58
290	6.23	9.79	10.76
295	5.68	9.42	10.16
300	4.74	8.82	9.13
305	4.07	8.45	8.46
310	4.29	8.56	8.56
315	4.91	8.93	8.93
320	5.06	9.02	9.02
325	4.43	8.65	8.65
330	4.13	8.48	8.48
335	6.15	9.73	9.73
340	9.57	12.41	12.78
345	12.49	15.00	16.52
350	13.32	15.77	17.64
355	10.76	13.45	14.58

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission