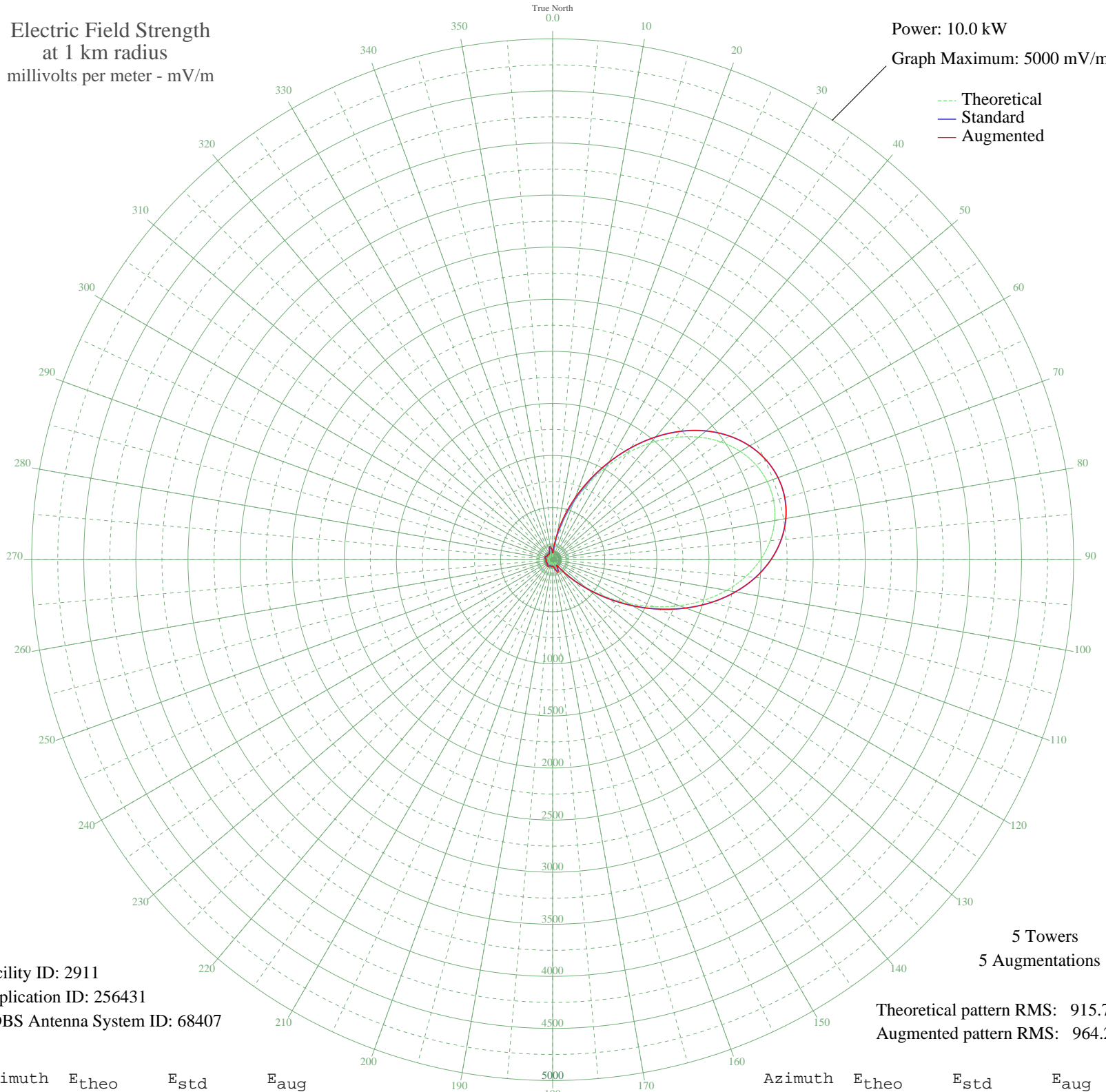


KEYH HOUSTON, TX BL-19971105KA 850 kHz

Daytime

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

Power: 10.0 kW
Graph Maximum: 5000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 2911
Application ID: 256431
CDBS Antenna System ID: 68407

5 Towers
5 Augmentations

Theoretical pattern RMS: 915.72
Augmented pattern RMS: 964.25

Azimuth	E _{theo}	E _{std}	E _{aug}
0	35.33	65.19	65.64
5	79.94	99.60	118.52
10	209.39	226.30	263.00
15	377.80	400.30	439.40
20	576.11	607.29	638.71
25	794.51	835.96	855.37
30	1022.22	1074.66	1082.99
35	1248.50	1312.02	1313.59
40	1463.65	1537.76	1537.76
45	1659.57	1743.38	1743.38
50	1830.08	1922.33	1922.33
55	1970.80	2070.04	2070.04
60	2078.94	2183.55	2183.55
65	2152.88	2261.16	2261.16
70	2191.79	2302.00	2302.00
75	2195.33	2305.72	2305.72
80	2163.48	2272.29	2272.29
85	2096.50	2201.98	2201.98
90	1995.10	2095.55	2095.55
95	1860.72	1954.49	1954.49
100	1695.87	1781.47	1781.47
105	1504.60	1580.74	1580.74
110	1292.71	1358.40	1358.40
115	1067.92	1122.60	1122.60
120	839.66	883.27	883.27
125	618.53	651.66	651.66
130	415.37	439.42	439.42
135	240.26	257.91	257.91
140	102.12	119.88	119.88
145	29.93	62.14	62.14
150	71.93	92.62	99.24
155	96.49	114.62	127.80
160	94.67	112.94	125.21
165	75.41	95.63	100.00
170	49.94	75.00	75.00
175	31.81	63.17	63.17

Azimuth	E _{theo}	E _{std}	E _{aug}
180	31.46	62.97	62.97
185	36.70	66.02	66.02
190	36.82	66.10	66.10
195	32.46	63.53	63.53
200	29.71	62.03	62.03
205	33.53	64.14	65.69
210	40.55	68.46	73.13
215	45.39	71.73	78.72
220	45.61	71.89	79.12
225	41.37	69.00	74.28
230	34.94	64.96	67.10
235	30.23	62.31	62.38
240	30.51	62.46	62.46
245	34.27	64.57	64.57
250	37.53	66.53	66.53
255	37.86	66.75	66.75
260	35.07	65.04	65.04
265	31.11	62.78	62.78
270	29.86	62.11	62.11
275	33.72	64.25	64.87
280	40.16	68.21	71.71
285	45.07	71.51	77.80
290	45.83	72.04	79.13
295	41.81	69.30	74.72
300	34.88	64.93	67.19
305	29.94	62.15	62.22
310	31.54	63.02	63.02
315	36.16	65.70	65.70
320	37.22	66.35	66.35
325	32.63	63.62	63.62
330	30.37	62.38	62.38
335	45.23	71.62	71.62
340	70.43	91.34	94.04
345	91.88	110.37	121.45
350	98.00	116.03	129.73
355	79.20	98.95	107.25

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission