KNTH HOUSTON, TX BMML-20130205ACZ 1070 kHz

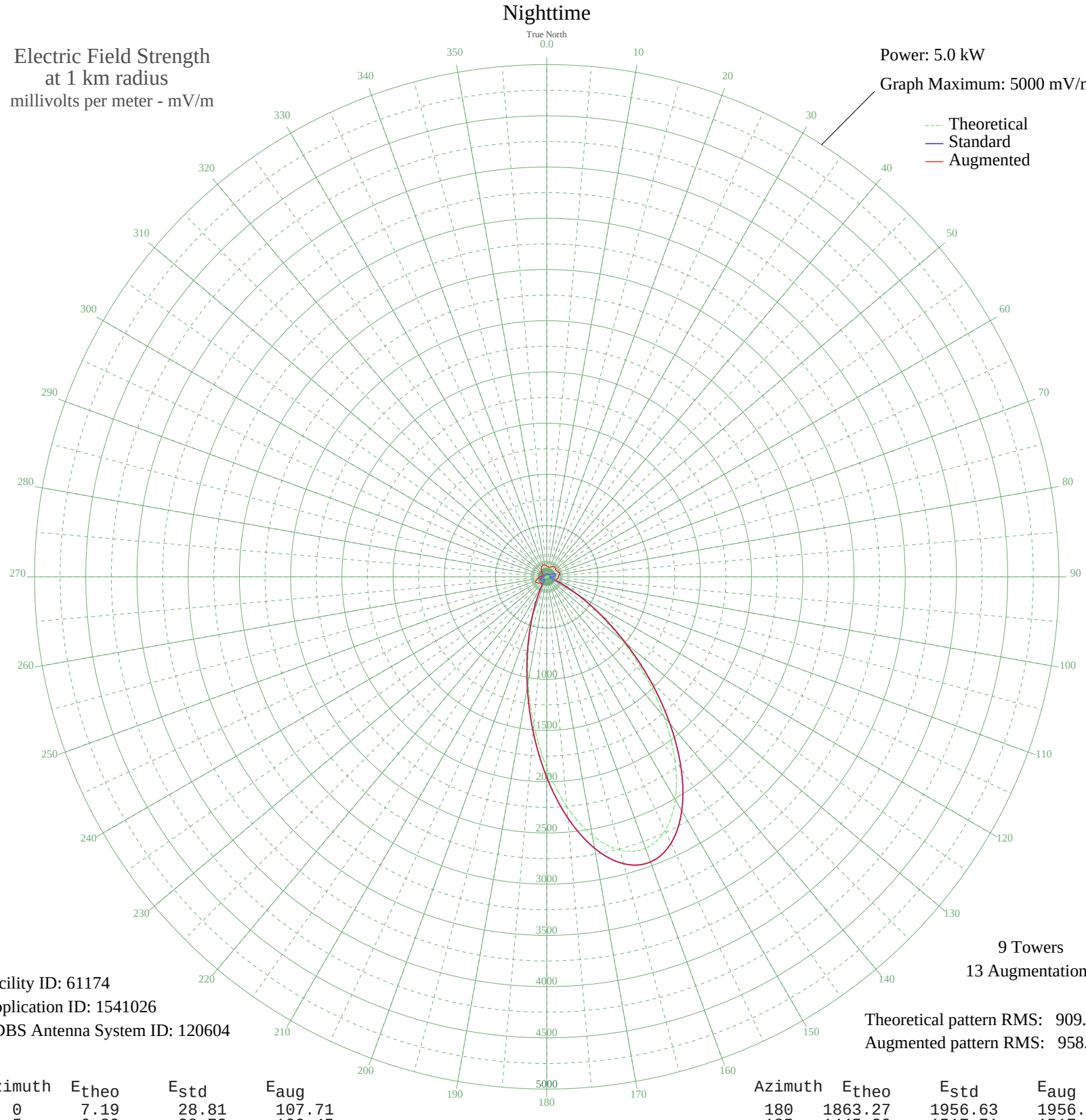
Nighttime

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

Power: 5.0 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented



9 Towers
13 Augmentations

Facility ID: 61174
Application ID: 1541026
CDBS Antenna System ID: 120604

Theoretical pattern RMS: 909.30
Augmented pattern RMS: 958.21

Azimuth	E_{theo}	E_{std}	E_{aug}
0	7.19	28.81	107.71
5	6.89	28.73	100.45
10	4.26	28.16	95.97
15	0.68	27.81	96.50
20	2.08	27.89	101.18
25	2.71	27.95	108.64
30	1.09	27.83	115.48
35	1.47	27.85	119.41
40	2.68	27.95	120.70
45	0.16	27.80	118.05
50	8.36	29.15	113.79
55	22.67	36.60	111.55
60	41.36	51.56	113.76
65	61.00	69.83	120.68
70	77.01	85.50	128.97
75	84.54	93.02	133.53
80	79.86	88.35	128.95
85	61.77	70.56	116.41
90	32.89	44.34	115.05
95	1.15	27.83	112.16
100	22.16	36.26	105.84
105	18.71	34.04	99.45
110	30.46	42.38	99.19
115	143.79	153.51	165.28
120	335.01	352.86	353.03
125	608.77	639.82	639.82
130	957.43	1005.69	1005.69
135	1359.59	1427.84	1427.84
140	1781.32	1870.59	1870.59
145	2180.06	2289.23	2289.23
150	2510.90	2636.59	2636.59
155	2733.87	2870.70	2870.70
160	2820.97	2962.15	2962.15
165	2761.21	2899.40	2899.40
170	2562.56	2690.83	2690.83
175	2250.49	2363.18	2363.18

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.

3 Feb 2017

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	1863.27	1956.63	1956.63
185	1445.20	1517.71	1517.71
190	1039.25	1091.57	1091.57
195	680.70	715.27	715.27
200	392.81	413.39	413.39
205	185.34	196.59	199.69
210	55.61	64.68	93.02
215	8.55	29.22	81.55
220	24.42	37.82	85.03
225	10.98	30.10	85.39
230	15.04	31.98	94.74
235	40.62	50.91	103.38
240	57.90	66.85	113.56
245	63.70	72.43	119.10
250	58.65	67.56	113.98
255	45.95	55.69	100.64
260	29.96	41.99	86.04
265	14.88	31.89	74.13
270	3.76	28.08	62.94
275	2.05	27.89	52.14
280	2.94	27.97	45.73
285	0.75	27.81	41.97
290	2.12	27.89	41.90
295	3.53	28.05	42.09
300	2.47	27.92	45.14
305	0.74	27.81	49.72
310	4.62	28.22	55.75
315	7.32	28.84	66.58
320	7.52	28.90	79.94
325	5.10	28.32	92.21
330	1.23	27.83	102.91
335	2.23	27.90	112.06
340	3.59	28.06	118.54
345	2.21	27.90	120.70
350	1.20	27.83	118.49
355	4.95	28.28	113.63