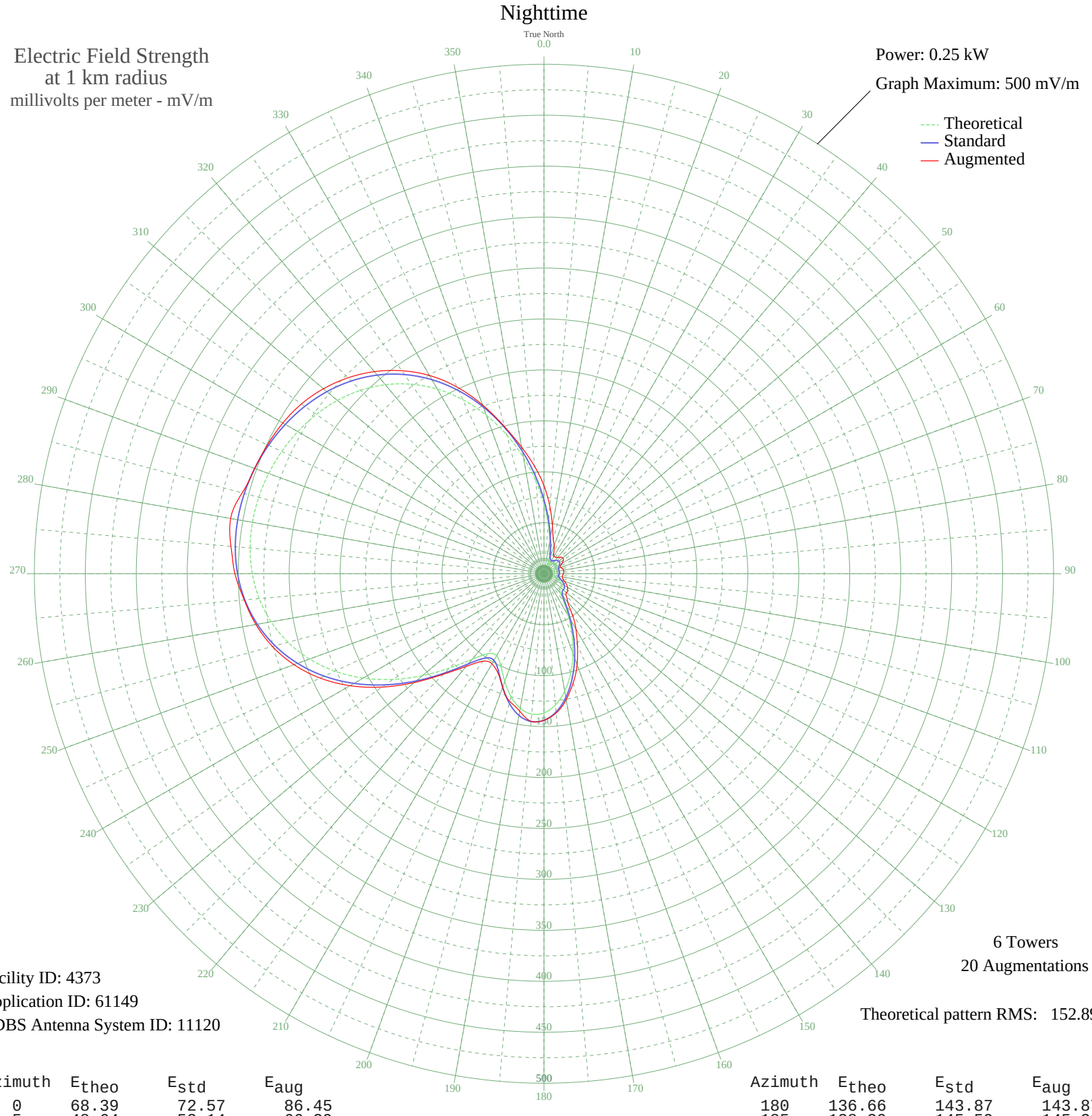
KPHN KANSAS CITY, MO BL-19830920AC 1190 kHz

Nighttime

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



Power: 0.25 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

6 Towers
20 Augmentations

Facility ID: 4373
Application ID: 61149
CDBS Antenna System ID: 11120

Theoretical pattern RMS: 152.89

Azimuth	E_{theo}	E_{std}	E_{aug}
0	68.39	72.57	86.45
5	48.64	52.14	66.29
10	32.76	35.96	47.82
15	21.20	24.62	35.12
20	13.93	18.01	29.25
25	10.41	15.16	22.84
30	9.76	14.67	19.47
35	10.91	15.54	19.77
40	12.76	17.02	20.74
45	14.39	18.40	22.92
50	15.17	19.07	24.14
55	14.83	18.78	23.23
60	13.57	17.70	20.56
65	11.92	16.34	17.91
70	10.65	15.34	17.60
75	10.24	15.03	18.79
80	10.43	15.17	19.47
85	10.54	15.25	19.31
90	10.16	14.97	18.87
95	9.54	14.52	18.38
100	9.59	14.55	18.36
105	11.18	15.75	18.97
110	14.06	18.12	21.29
115	17.21	20.90	24.35
120	19.71	23.21	26.54
125	21.01	24.43	28.38
130	21.24	24.65	28.81
135	21.78	25.16	31.13
140	25.45	28.71	36.21
145	34.37	37.58	47.92
150	48.07	51.55	62.76
155	64.93	68.98	77.68
160	83.21	88.00	94.95
165	101.16	106.74	110.90
170	117.06	123.36	125.53
175	129.31	136.19	137.17
180	136.66	143.87	143.87
185	138.30	145.59	145.38
190	134.12	141.22	137.03
195	124.88	131.54	129.72
200	112.42	118.51	118.51
205	100.10	105.63	107.16
210	92.91	98.12	102.08
215	95.76	101.10	104.90
220	109.54	115.50	118.75
225	130.84	137.79	139.46
230	155.59	163.70	166.18
235	180.85	190.18	193.96
240	204.79	215.28	219.78
245	226.31	237.85	242.32
250	244.79	257.24	261.01
255	259.95	273.15	275.80
260	271.78	285.56	286.99
265	280.42	294.63	295.21
270	286.17	300.66	303.26
275	289.38	304.03	308.30
280	290.44	305.14	312.21
285	289.70	304.37	306.57
290	287.46	302.01	302.11
295	283.87	298.25	299.38
300	278.96	293.09	295.85
305	272.61	286.43	290.50
310	264.58	278.01	282.42
315	254.54	267.48	271.93
320	242.13	254.46	258.92
325	227.05	238.63	243.22
330	209.15	219.86	224.67
335	188.53	198.23	202.21
340	165.56	174.16	176.32
345	140.97	148.39	149.35
350	115.76	122.00	126.08
355	91.15	96.28	105.85

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.

13 Mar 2007

Prepared by Audio Division, Media Bureau
Federal Communications Commission