KHOW DENVER, CO BL-19821123AE 630 kHz

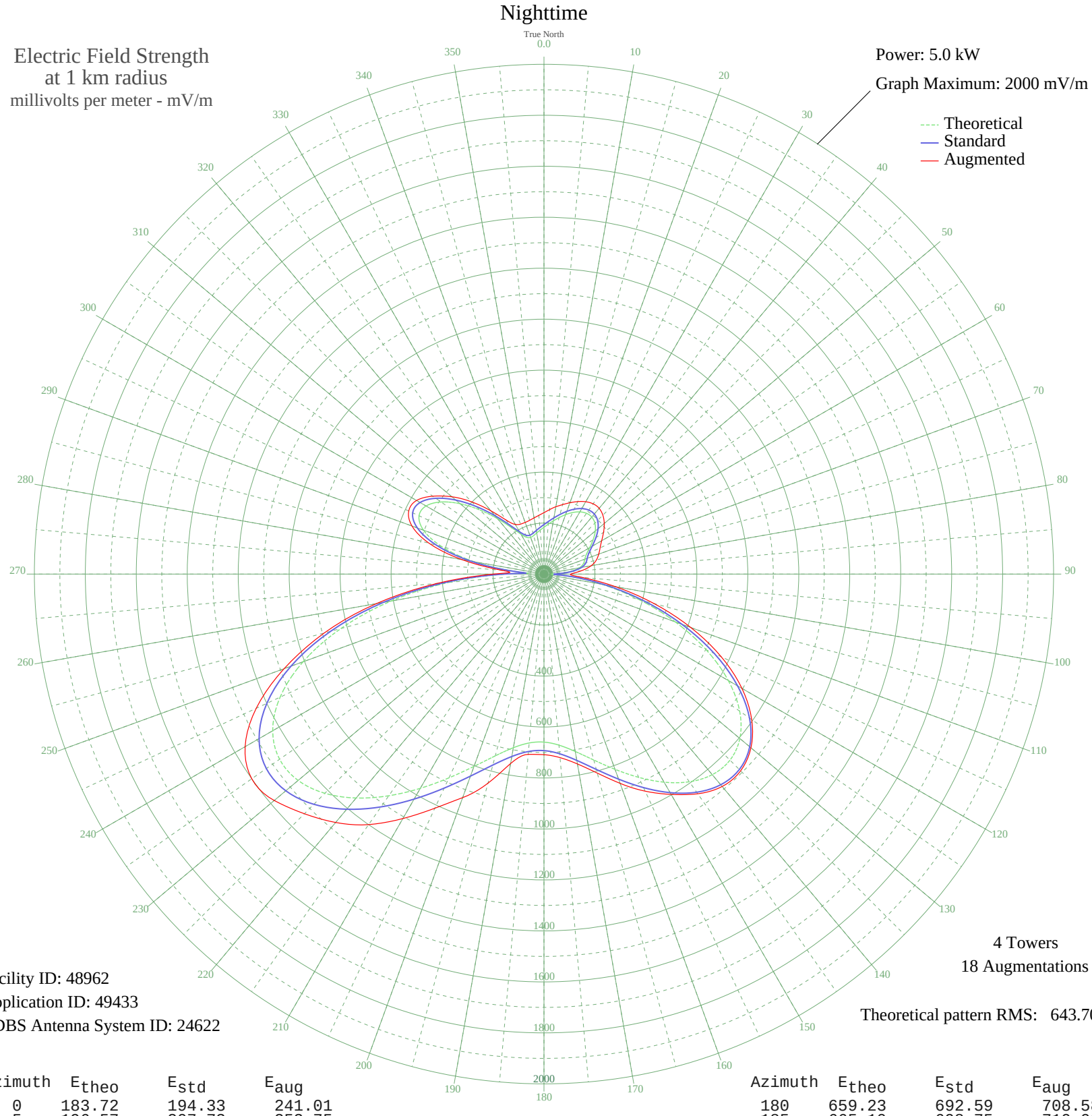
Nighttime

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented



4 Towers
18 Augmentations

Facility ID: 48962
Application ID: 49433
CDBS Antenna System ID: 24622

Theoretical pattern RMS: 643.70

Azimuth	E_{theo}	E_{std}	E_{aug}
0	183.72	194.33	241.01
5	196.57	207.73	253.75
10	211.88	223.71	268.26
15	229.43	242.04	282.07
20	248.22	261.68	297.76
25	266.45	280.76	313.79
30	281.67	296.69	327.67
35	291.05	306.50	336.41
40	291.93	307.43	336.86
45	282.54	297.59	326.82
50	262.87	277.01	308.75
55	235.64	248.54	285.30
60	206.73	218.34	261.48
65	183.74	194.35	242.85
70	170.44	180.49	228.57
75	160.61	170.27	212.88
80	140.62	149.50	187.87
85	97.85	105.39	146.63
90	33.45	42.25	105.05
95	95.44	102.93	150.63
100	230.57	243.23	285.31
105	386.39	406.39	447.26
110	548.45	576.35	613.22
115	702.42	737.91	767.52
120	835.38	877.47	897.21
125	937.60	984.75	995.26
130	1003.59	1054.03	1060.40
135	1032.47	1084.35	1091.58
140	1027.45	1079.08	1087.92
145	994.83	1044.83	1052.34
150	942.76	990.17	998.20
155	880.04	924.34	939.76
160	815.10	856.17	873.78
165	755.32	793.43	808.36
170	706.69	742.39	756.39
175	673.65	707.73	722.83

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.

15 Nov 2005

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	659.23	692.59	708.58
185	665.10	698.75	710.02
190	691.73	726.69	754.86
195	738.37	775.64	849.39
200	802.99	843.47	933.40
205	882.11	926.52	1013.63
210	970.63	1019.43	1107.57
215	1061.71	1115.04	1200.00
220	1146.86	1204.44	1272.12
225	1216.30	1277.33	1329.76
230	1259.57	1322.76	1381.92
235	1266.68	1330.22	1400.10
240	1229.37	1291.06	1354.37
245	1142.67	1200.04	1246.07
250	1006.18	1056.76	1085.50
255	825.00	866.57	892.73
260	609.84	640.76	668.15
265	376.61	396.14	421.48
270	148.65	157.84	196.89
275	104.66	112.38	162.97
280	276.93	291.72	327.43
285	414.88	436.25	466.71
290	503.14	528.82	551.39
295	541.08	568.62	585.65
300	534.42	561.63	577.46
305	493.12	518.31	532.63
310	429.37	451.45	471.85
315	355.74	374.27	400.17
320	283.76	298.87	323.70
325	223.07	235.40	258.38
330	180.58	191.06	224.92
335	158.55	168.12	216.29
340	152.90	162.26	215.65
345	156.43	165.92	218.22
350	163.82	173.61	223.76
355	172.97	183.13	231.21