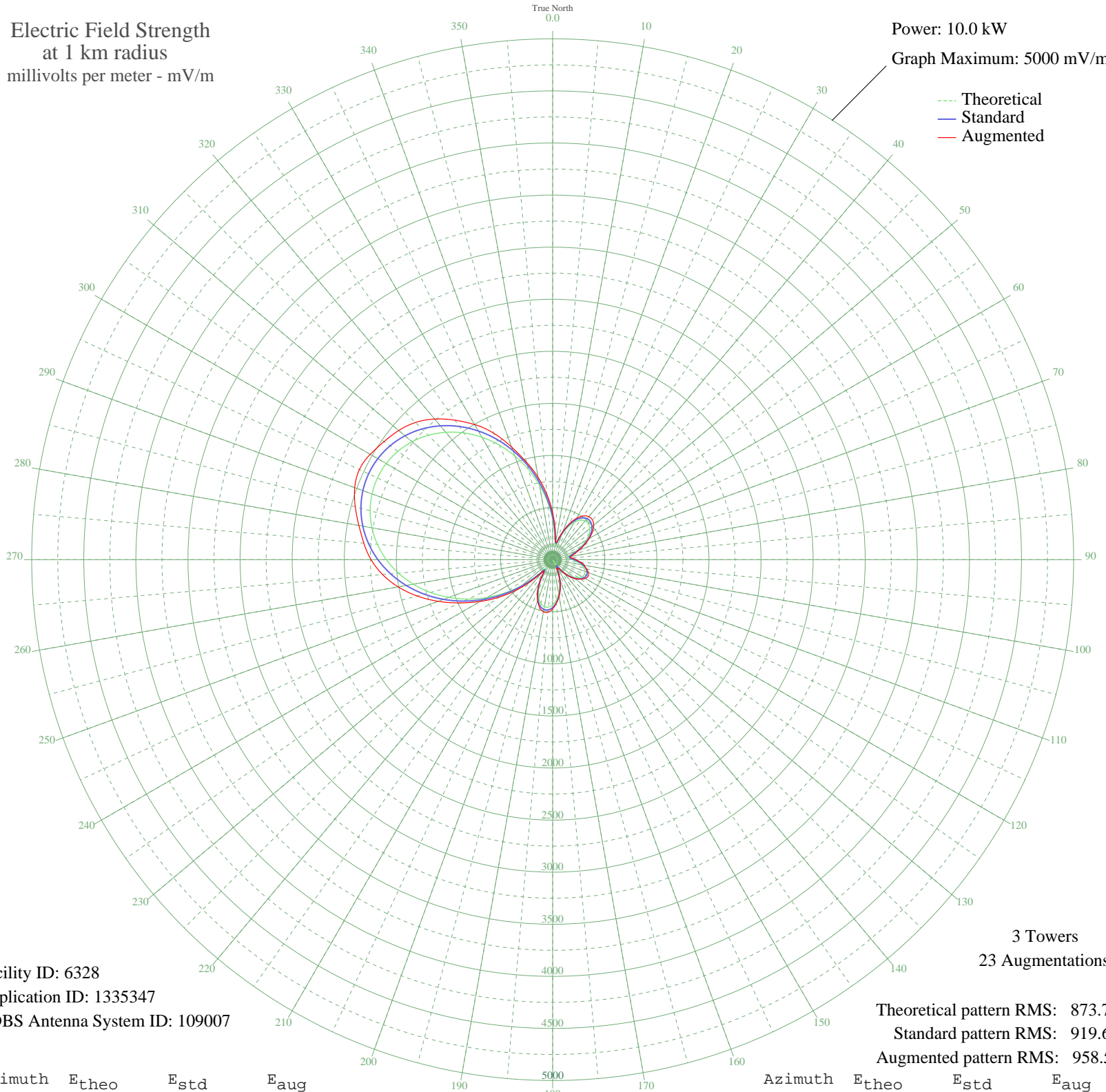


KGEM BOISE, ID BL-20090923AEJ 1140 kHz

Nighttime

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

Power: 10.0 kW
Graph Maximum: 5000 mV/m



Facility ID: 6328
Application ID: 1335347
CDBS Antenna System ID: 109007

3 Towers
23 Augmentations

Theoretical pattern RMS: 873.71
Standard pattern RMS: 919.60
Augmented pattern RMS: 958.51

Azimuth	E _{theo}	E _{std}	E _{aug}
0	389.54	413.94	449.86
5	241.42	261.35	281.36
10	144.28	164.31	172.02
15	168.14	187.65	193.90
20	257.42	277.68	283.90
25	345.21	368.01	379.33
30	415.09	440.46	458.01
35	462.41	489.68	512.56
40	485.96	514.21	539.83
45	486.29	514.55	539.71
50	465.24	492.63	514.16
55	425.72	451.51	466.86
60	371.58	395.31	403.30
65	307.69	329.28	335.07
70	240.51	260.43	270.20
75	180.05	199.47	216.35
80	143.90	163.94	175.57
85	149.84	169.70	184.34
90	187.56	206.96	223.31
95	234.22	254.03	267.53
100	276.96	297.68	308.04
105	309.81	331.46	335.77
110	329.74	352.02	365.44
115	335.15	357.61	375.50
120	325.36	347.50	361.09
125	300.36	321.73	326.25
130	260.77	281.10	284.98
135	207.76	227.24	227.49
140	143.10	163.16	160.90
145	69.10	96.50	107.80
150	13.10	65.08	99.80
155	96.14	119.32	103.00
160	179.93	199.34	199.34
165	259.57	279.87	279.87
170	330.97	353.29	353.29
175	390.08	414.49	416.96

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.

22 Nov 2018

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	433.11	459.19	472.24
185	456.71	483.74	506.22
190	458.21	485.31	508.82
195	435.83	462.02	477.71
200	388.90	413.27	418.51
205	318.22	340.13	342.36
210	227.23	246.93	251.15
215	129.87	150.47	158.00
220	111.43	133.18	159.80
225	229.21	248.93	290.00
230	384.97	409.19	455.29
235	552.74	583.85	628.55
240	724.49	763.37	801.50
245	894.90	941.80	982.20
250	1059.60	1114.39	1169.15
255	1214.87	1277.20	1347.13
260	1357.63	1426.93	1505.64
265	1485.34	1560.91	1638.70
270	1596.04	1677.05	1742.88
275	1688.24	1773.79	1819.14
280	1760.87	1850.01	1888.24
285	1813.21	1904.93	1961.34
290	1844.78	1938.06	2021.83
295	1855.33	1949.13	2046.40
300	1844.78	1938.06	2021.83
305	1813.21	1904.93	1975.75
310	1760.85	1849.99	1928.96
315	1688.19	1773.74	1862.30
320	1595.93	1676.93	1762.28
325	1485.16	1560.71	1634.74
330	1357.37	1426.66	1497.80
335	1214.56	1276.88	1339.85
340	1059.30	1114.09	1150.23
345	894.79	941.68	968.34
350	724.90	763.80	801.90
355	554.39	585.58	627.82