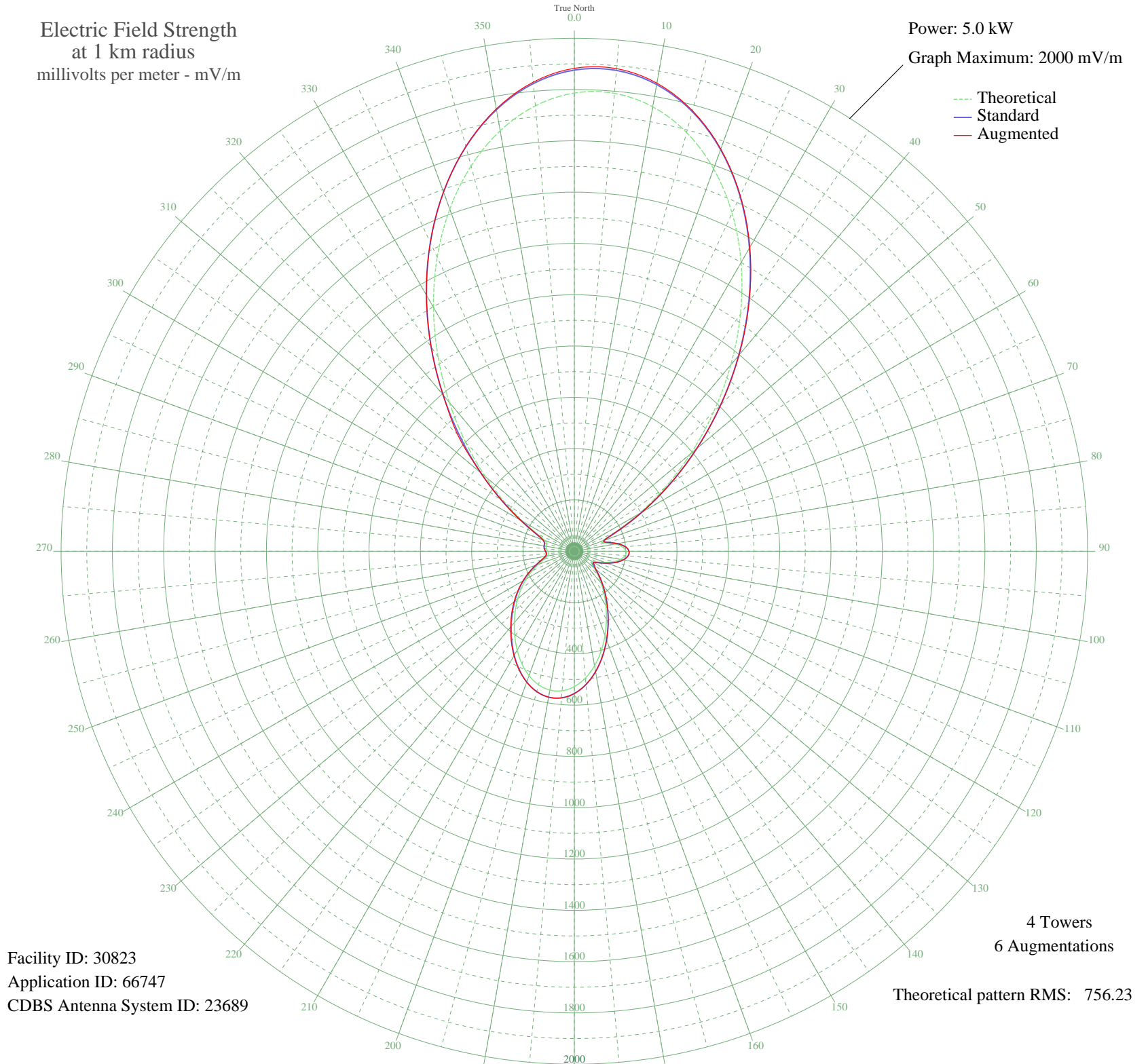


KEPN LAKEWOOD, CO BL-19840223AB 1600 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 30823
Application ID: 66747
CDBS Antenna System ID: 23689

4 Towers
6 Augmentations
Theoretical pattern RMS: 756.23

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1786.31	1875.79	1882.79
5	1791.94	1881.70	1888.69
10	1759.38	1847.52	1853.02
15	1689.96	1774.63	1778.14
20	1586.83	1666.35	1668.59
25	1454.71	1527.64	1530.03
30	1299.61	1364.81	1367.94
35	1128.43	1185.11	1188.19
40	948.57	996.31	998.45
45	767.51	806.26	807.04
50	592.46	622.57	622.57
55	430.30	452.49	452.49
60	288.08	303.49	303.49
65	175.71	186.15	186.15
70	115.35	123.62	123.62
75	124.86	133.41	133.41
80	160.50	170.33	170.33
85	188.56	199.52	199.52
90	201.28	212.78	212.78
95	198.60	209.99	209.99
100	182.89	193.62	193.62
105	157.72	167.45	167.45
110	127.64	136.28	136.28
115	98.74	106.59	106.59
120	80.16	87.72	87.72
125	81.33	88.90	96.56
130	100.46	108.34	108.34
135	128.97	137.65	137.65
140	162.78	172.70	172.70
145	201.62	213.14	213.14
150	246.08	259.57	259.57
155	295.89	311.67	311.67
160	349.26	367.55	367.55
165	403.04	423.92	423.92
170	453.32	476.63	476.63
175	496.06	521.45	521.45

Azimuth	E _{theo}	E _{std}	E _{aug}
180	527.76	554.70	554.70
185	545.96	573.79	573.79
190	549.57	577.58	577.58
195	539.00	566.49	566.65
200	516.09	542.46	543.06
205	483.73	508.52	509.80
210	445.42	468.34	470.43
215	404.56	425.51	428.36
220	363.85	382.85	386.24
225	324.81	341.95	345.54
230	287.69	303.09	306.51
235	251.91	265.66	268.58
240	216.77	228.95	231.20
245	182.30	193.00	194.68
250	149.91	159.33	160.93
255	122.84	131.32	133.13
260	105.58	113.58	115.26
265	100.55	108.44	109.61
270	104.13	112.10	112.67
275	109.28	117.38	117.52
280	111.46	119.61	119.61
285	112.30	120.48	120.48
290	122.80	131.29	131.29
295	159.38	169.16	169.16
300	228.97	241.69	241.69
305	328.50	345.81	345.81
310	453.04	476.33	476.33
315	597.76	628.14	643.74
320	757.51	795.76	795.76
325	926.38	973.01	973.01
330	1097.75	1152.90	1152.90
335	1264.47	1327.92	1327.92
340	1419.16	1490.32	1490.32
345	1554.66	1632.58	1633.55
350	1664.44	1747.84	1751.04
355	1743.01	1830.33	1835.88

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission