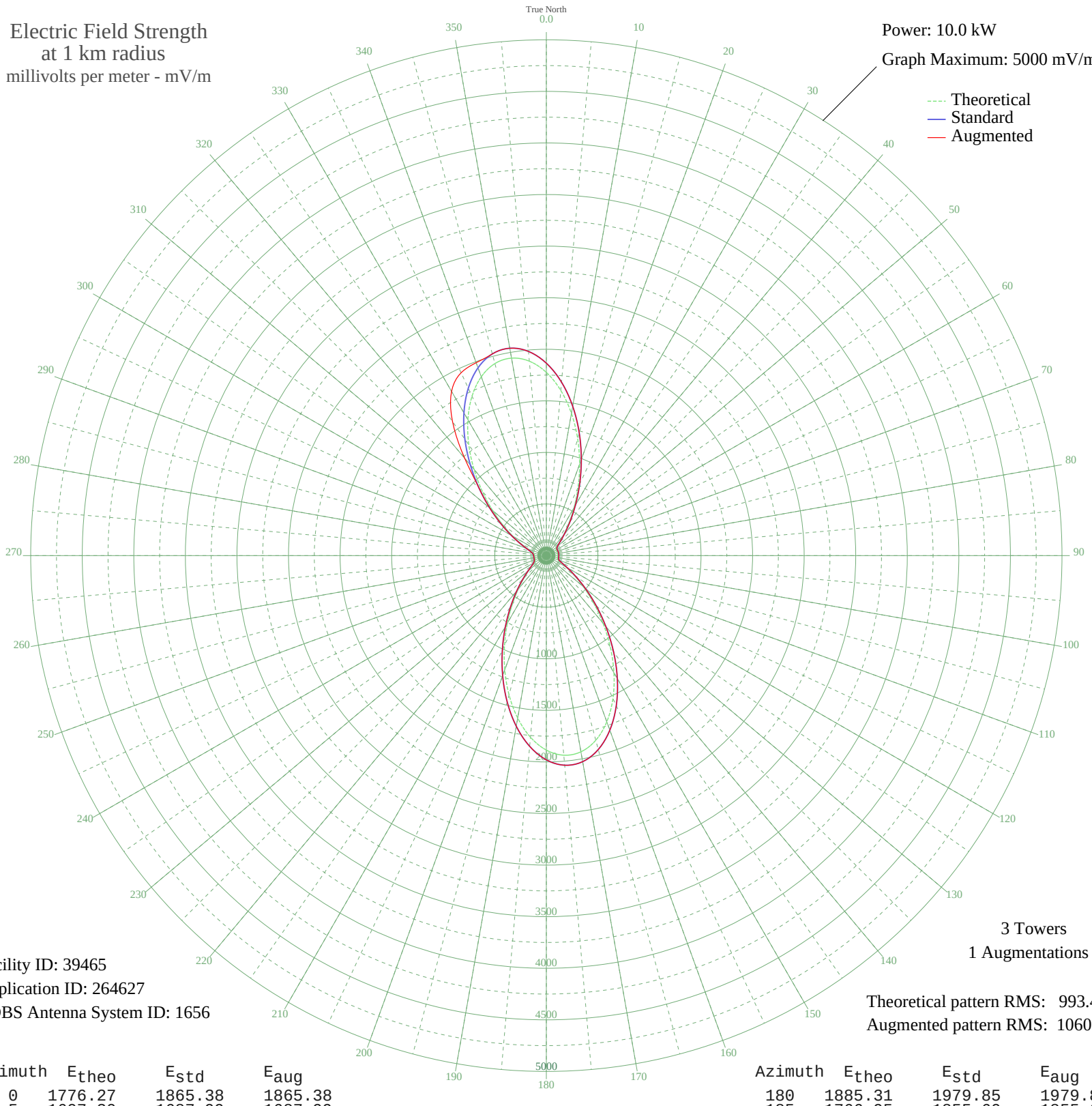
KNZZ GRAND JUNCTION, CO BL-19980330KA 1100 kHz

Nighttime

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



Power: 10.0 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented

3 Towers
1 Augmentations

Facility ID: 39465
Application ID: 264627
CDBS Antenna System ID: 1656

Theoretical pattern RMS: 993.46
Augmented pattern RMS: 1060.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1776.27	1865.38	1865.38
5	1607.30	1687.99	1687.99
10	1400.41	1470.80	1470.80
15	1173.27	1232.38	1232.38
20	943.55	991.28	991.28
25	726.88	763.95	763.95
30	535.42	563.17	563.17
35	377.28	397.54	397.54
40	256.89	271.77	271.77
45	175.65	187.40	187.40
50	131.31	141.81	141.81
55	114.38	124.60	124.60
60	110.59	120.77	120.77
65	110.37	120.55	120.55
70	110.50	120.68	120.68
75	110.50	120.69	120.69
80	110.48	120.66	120.66
85	110.49	120.68	120.68
90	110.51	120.70	120.70
95	110.44	120.62	120.62
100	110.36	120.54	120.54
105	112.00	122.19	122.19
110	122.05	132.38	132.38
115	153.82	164.88	164.88
120	219.71	233.07	233.07
125	324.45	342.29	342.29
130	467.84	492.35	492.35
135	646.73	679.87	679.87
140	854.55	897.89	897.89
145	1080.75	1135.27	1135.27
150	1310.97	1376.92	1376.92
155	1528.13	1604.88	1604.88
160	1714.29	1800.31	1800.31
165	1852.92	1945.85	1945.85
170	1931.25	2028.09	2028.09
175	1942.18	2039.56	2039.56

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.

31 Aug 2008

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	1885.31	1979.85	1979.85
185	1766.95	1855.60	1855.60
190	1599.05	1679.33	1679.33
195	1397.29	1467.53	1467.53
200	1178.85	1238.24	1238.24
205	960.15	1008.71	1008.71
210	755.08	793.53	793.53
215	573.91	603.52	603.52
220	422.97	445.35	445.35
225	304.96	321.93	321.93
230	219.67	233.03	233.03
235	164.39	175.78	175.78
240	133.64	144.20	144.20
245	119.39	129.69	129.69
250	113.81	124.03	124.03
255	111.88	122.08	122.08
260	111.37	121.56	121.56
265	111.57	121.77	121.77
270	112.77	122.98	122.98
275	116.47	126.73	126.73
280	126.45	136.86	136.86
285	149.56	160.51	160.51
290	194.20	206.59	206.59
295	267.02	282.33	282.33
300	371.77	391.76	391.76
305	509.68	536.19	536.19
310	679.30	714.04	714.04
315	875.83	920.22	920.22
320	1090.56	1145.56	1232.31
325	1310.96	1376.91	1585.77
330	1521.45	1597.87	1838.00
335	1704.92	1790.47	1955.65
340	1844.79	1937.31	1989.83
345	1927.36	2024.00	2024.00
350	1943.89	2041.35	2041.35
355	1892.03	1986.91	1986.91