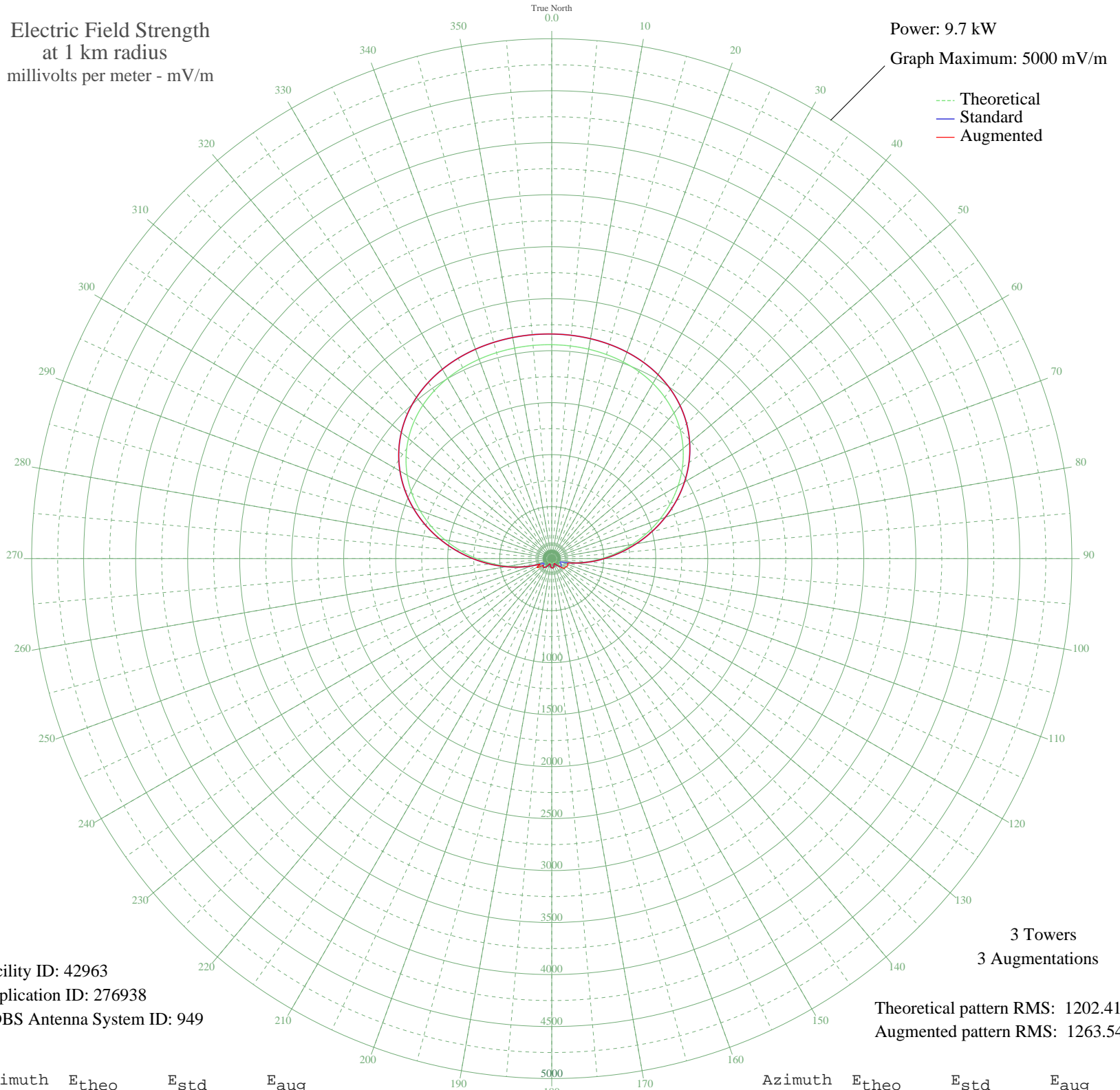


WLOL MINNEAPOLIS, MN BL-19981112AB 1330 kHz

Daytime

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

Power: 9.7 kW
Graph Maximum: 5000 mV/m



Facility ID: 42963
Application ID: 276938
CDBS Antenna System ID: 949

Theoretical pattern RMS: 1202.41
Augmented pattern RMS: 1263.54

Azimuth	E _{theo}	E _{std}	E _{aug}
0	2057.31	2160.43	2160.43
5	2053.23	2156.14	2156.14
10	2045.27	2147.79	2147.79
15	2032.28	2134.15	2134.15
20	2012.65	2113.54	2113.54
25	1984.51	2083.99	2083.99
30	1945.77	2043.33	2043.33
35	1894.40	1989.39	1989.39
40	1828.55	1920.26	1920.26
45	1746.81	1834.45	1834.45
50	1648.45	1731.19	1731.19
55	1533.56	1610.58	1610.58
60	1403.24	1473.78	1473.78
65	1259.64	1323.04	1323.04
70	1105.93	1161.70	1161.70
75	946.19	994.05	994.05
80	785.15	825.07	825.07
85	627.89	660.12	660.12
90	479.58	504.64	504.64
95	345.15	363.91	363.91
100	229.37	243.09	243.09
105	137.96	148.58	165.50
110	82.20	92.41	163.35
115	75.70	86.08	167.24
120	92.66	102.75	158.97
125	104.64	114.73	155.00
130	105.26	115.36	141.93
135	95.40	105.48	108.87
140	78.09	88.40	88.40
145	57.73	69.04	69.04
150	41.44	54.63	54.63
155	39.63	53.13	53.13
160	51.44	63.31	63.31
165	65.66	76.45	76.45
170	76.27	86.63	86.63
175	80.93	91.18	91.18

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.

24 Oct 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	78.91	89.20	89.20
185	70.52	81.08	81.08
190	57.30	68.64	68.64
195	43.40	56.29	56.29
200	38.53	52.23	52.23
205	50.17	62.18	62.18
210	70.00	80.59	80.59
215	89.16	99.27	99.27
220	102.44	112.52	112.52
225	106.28	116.38	116.38
230	98.69	108.76	108.76
235	81.96	92.18	128.26
240	74.00	84.43	163.01
245	110.36	120.50	124.63
250	189.46	201.66	201.66
255	296.32	312.89	312.89
260	423.87	446.29	446.29
265	567.21	596.49	596.49
270	721.50	758.30	758.30
275	881.65	926.32	926.32
280	1042.51	1095.13	1095.13
285	1199.16	1259.55	1259.55
290	1347.24	1414.99	1414.99
295	1483.19	1557.70	1557.70
300	1604.44	1684.99	1684.99
305	1709.48	1795.26	1795.26
310	1797.82	1888.00	1888.00
315	1869.89	1963.66	1963.66
320	1926.85	2023.46	2023.46
325	1970.40	2069.18	2069.18
330	2002.53	2102.92	2102.92
335	2025.32	2126.85	2126.85
340	2040.76	2143.05	2143.05
345	2050.56	2153.35	2153.35
350	2056.08	2159.14	2159.14
355	2058.21	2161.37	2161.37