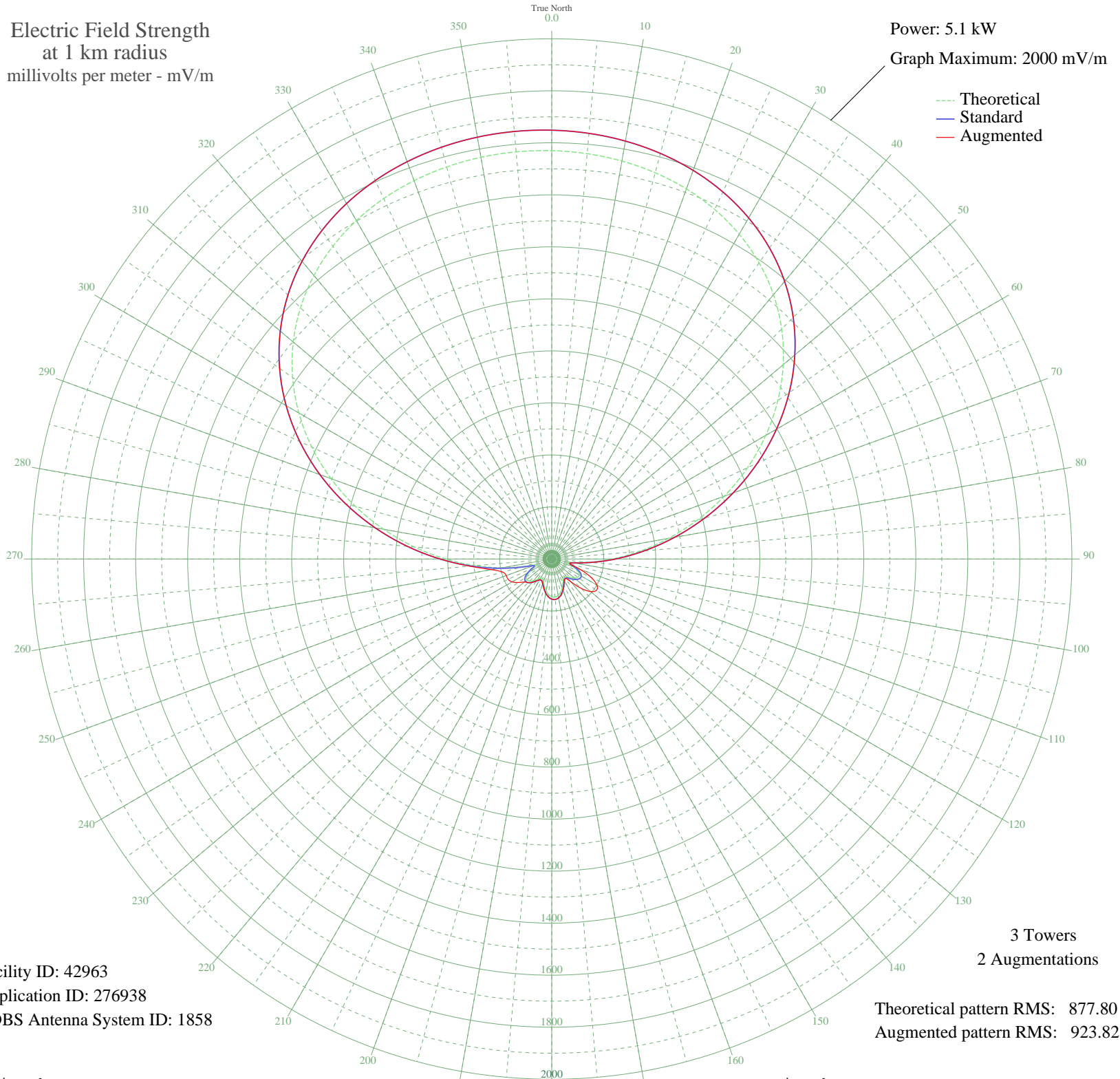


WLOL MINNEAPOLIS, MN BL-19981112AB 1330 kHz

Nighttime

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

Power: 5.1 kW
Graph Maximum: 2000 mV/m



Facility ID: 42963
Application ID: 276938
CDBS Antenna System ID: 1858

Theoretical pattern RMS: 877.80
Augmented pattern RMS: 923.82

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1569.81	1648.50	1648.50
5	1564.13	1642.54	1642.54
10	1553.56	1631.44	1631.44
15	1537.25	1614.32	1614.32
20	1514.08	1589.99	1589.99
25	1482.74	1557.09	1557.09
30	1441.87	1514.18	1514.18
35	1390.16	1459.89	1459.89
40	1326.56	1393.13	1393.13
45	1250.46	1313.24	1313.24
50	1161.79	1220.15	1220.15
55	1061.20	1114.56	1114.56
60	950.13	997.97	997.97
65	830.83	872.76	872.76
70	706.28	742.05	742.05
75	580.08	609.63	609.63
80	456.22	479.73	479.73
85	338.94	356.82	356.82
90	232.63	245.62	245.62
95	142.45	151.78	151.78
100	78.53	86.40	86.40
105	64.91	72.87	72.87
110	88.70	96.64	115.21
115	111.17	119.55	166.52
120	122.51	131.20	200.37
125	122.56	131.25	210.00
130	113.87	122.31	194.67
135	100.48	108.62	158.85
140	87.99	95.92	114.61
145	82.83	90.72	90.72
150	88.46	96.40	96.40
155	102.05	110.22	110.22
160	118.13	126.69	126.69
165	132.45	141.44	141.44
170	142.46	151.79	151.79
175	146.79	156.27	156.27

Azimuth	E _{theo}	E _{std}	E _{aug}
180	144.92	154.34	154.34
185	137.07	146.22	146.22
190	124.24	132.98	132.98
195	108.46	116.77	116.77
200	93.25	101.26	101.26
205	83.82	91.71	91.71
210	84.72	92.62	92.62
215	95.02	103.05	103.05
220	108.80	117.12	117.12
225	119.94	128.55	128.55
230	123.78	132.51	137.68
235	117.14	125.68	157.49
240	98.79	106.89	176.05
245	72.90	80.78	184.98
250	65.77	73.72	186.19
255	112.74	121.15	195.13
260	194.26	205.60	235.47
265	294.84	310.66	316.68
270	408.28	429.47	429.47
275	530.02	557.12	557.12
280	655.78	689.06	689.06
285	781.46	820.93	820.93
290	903.25	948.76	948.76
295	1017.92	1069.13	1069.13
300	1122.92	1179.35	1179.35
305	1216.48	1277.56	1277.56
310	1297.64	1362.77	1362.77
315	1366.19	1434.73	1434.73
320	1422.55	1493.90	1493.90
325	1467.61	1541.21	1541.21
330	1502.60	1577.94	1577.94
335	1528.88	1605.53	1605.53
340	1547.78	1625.38	1625.38
345	1560.53	1638.76	1638.76
350	1568.09	1646.69	1646.69
355	1571.09	1649.85	1649.85

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission