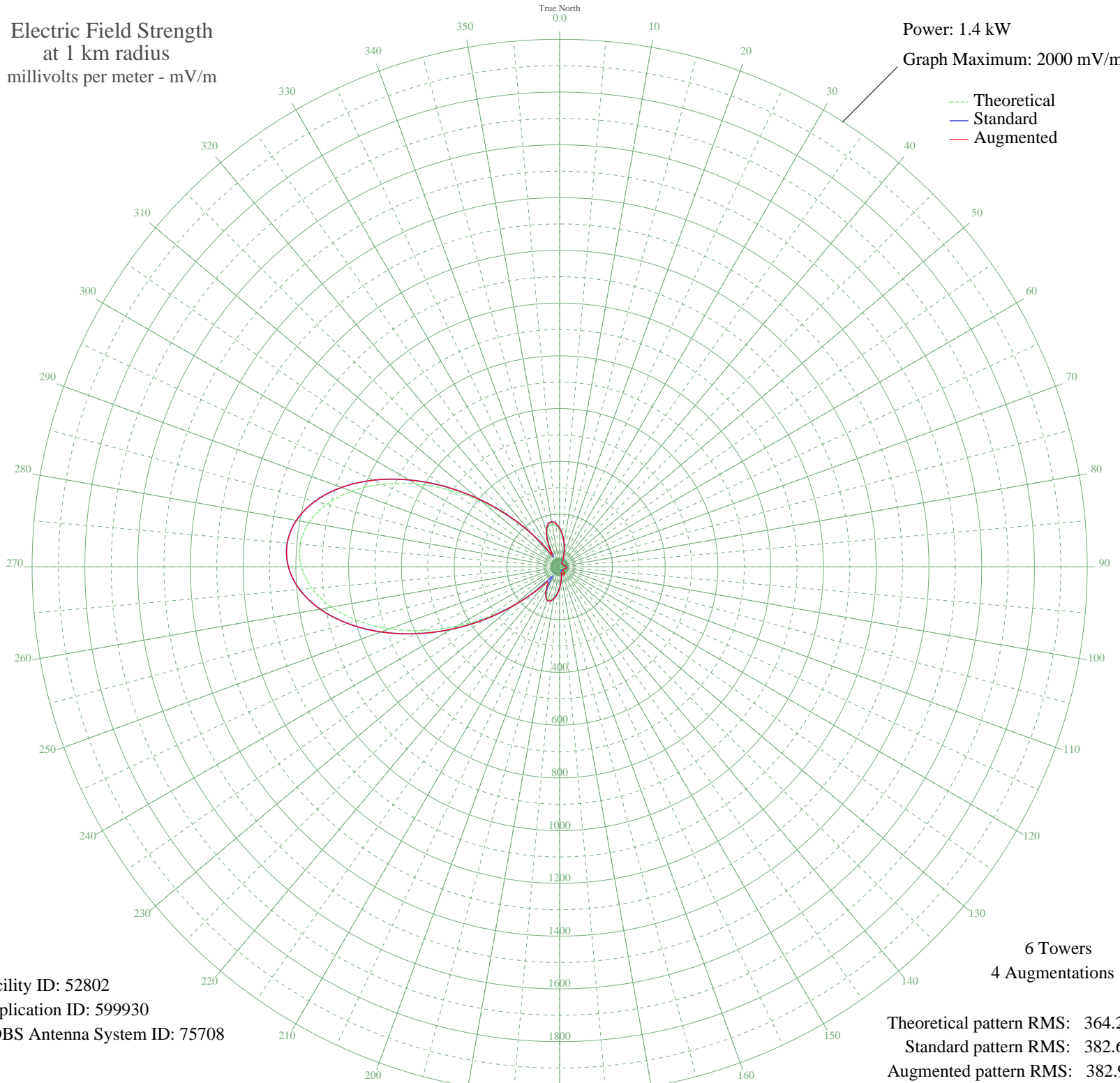


KOIL PLATTSMOUTH, NE BL-20020404ABL 1020 kHz

Nighttime

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

Power: 1.4 kW
Graph Maximum: 2000 mV/m



Facility ID: 52802
Application ID: 599930
CDBS Antenna System ID: 75708

Theoretical pattern RMS: 364.20
Standard pattern RMS: 382.61
Augmented pattern RMS: 382.91

Azimuth	E _{theo}	E _{std}	E _{aug}
0	139.20	146.68	146.68
5	115.67	122.09	122.09
10	89.54	94.83	94.83
15	63.87	68.20	68.20
20	41.11	44.92	44.92
25	22.97	27.13	27.13
30	10.31	16.48	16.73
35	3.31	12.90	14.64
40	1.54	12.53	15.49
45	1.76	12.56	15.37
50	4.07	13.14	14.54
55	7.03	14.45	14.58
60	9.18	15.72	15.72
65	10.01	16.28	16.28
70	10.18	16.39	16.39
75	11.41	17.26	17.26
80	14.59	19.73	19.73
85	18.53	23.09	23.09
90	21.59	25.85	25.85
95	22.68	26.86	26.86
100	21.46	25.73	25.73
105	18.40	22.97	22.97
110	14.82	19.91	19.91
115	12.59	18.14	18.14
120	12.56	18.12	18.12
125	13.17	18.59	18.59
130	12.68	18.21	18.21
135	10.52	16.62	16.62
140	7.16	14.52	14.52
145	3.76	13.04	13.04
150	1.78	12.56	12.56
155	2.85	12.78	12.78
160	8.34	15.20	15.20
165	18.81	23.33	23.33
170	34.19	37.98	37.98
175	53.60	57.63	57.63

Azimuth	E _{theo}	E _{std}	E _{aug}
180	75.31	80.05	80.05
185	96.85	102.45	102.45
190	115.15	121.54	121.54
195	126.81	133.73	133.73
200	128.41	135.40	135.40
205	116.88	123.36	123.95
210	90.34	95.67	103.29
215	51.87	55.87	78.65
220	49.53	53.47	78.11
225	121.59	128.27	135.37
230	218.95	230.23	230.93
235	330.33	347.07	347.07
240	449.65	472.29	472.29
245	570.65	599.31	599.31
250	686.74	721.18	721.18
255	791.30	830.96	830.96
260	878.18	922.18	922.18
265	942.15	989.34	989.34
270	979.26	1028.30	1028.30
275	987.14	1036.57	1036.57
280	965.19	1013.52	1013.52
285	914.61	960.42	960.42
290	838.33	880.34	880.34
295	740.80	777.94	777.94
300	627.67	659.17	659.17
305	505.38	530.79	530.79
310	380.70	399.93	399.93
315	260.38	273.68	273.75
320	151.03	159.07	160.27
325	62.77	67.06	72.62
330	50.91	54.88	61.91
335	100.02	105.75	107.97
340	138.11	145.54	145.82
345	159.18	167.60	167.60
350	164.45	173.12	173.12
355	156.66	164.96	164.96

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.

09 Nov 2008

Prepared by Audio Division, Media Bureau
Federal Communications Commission