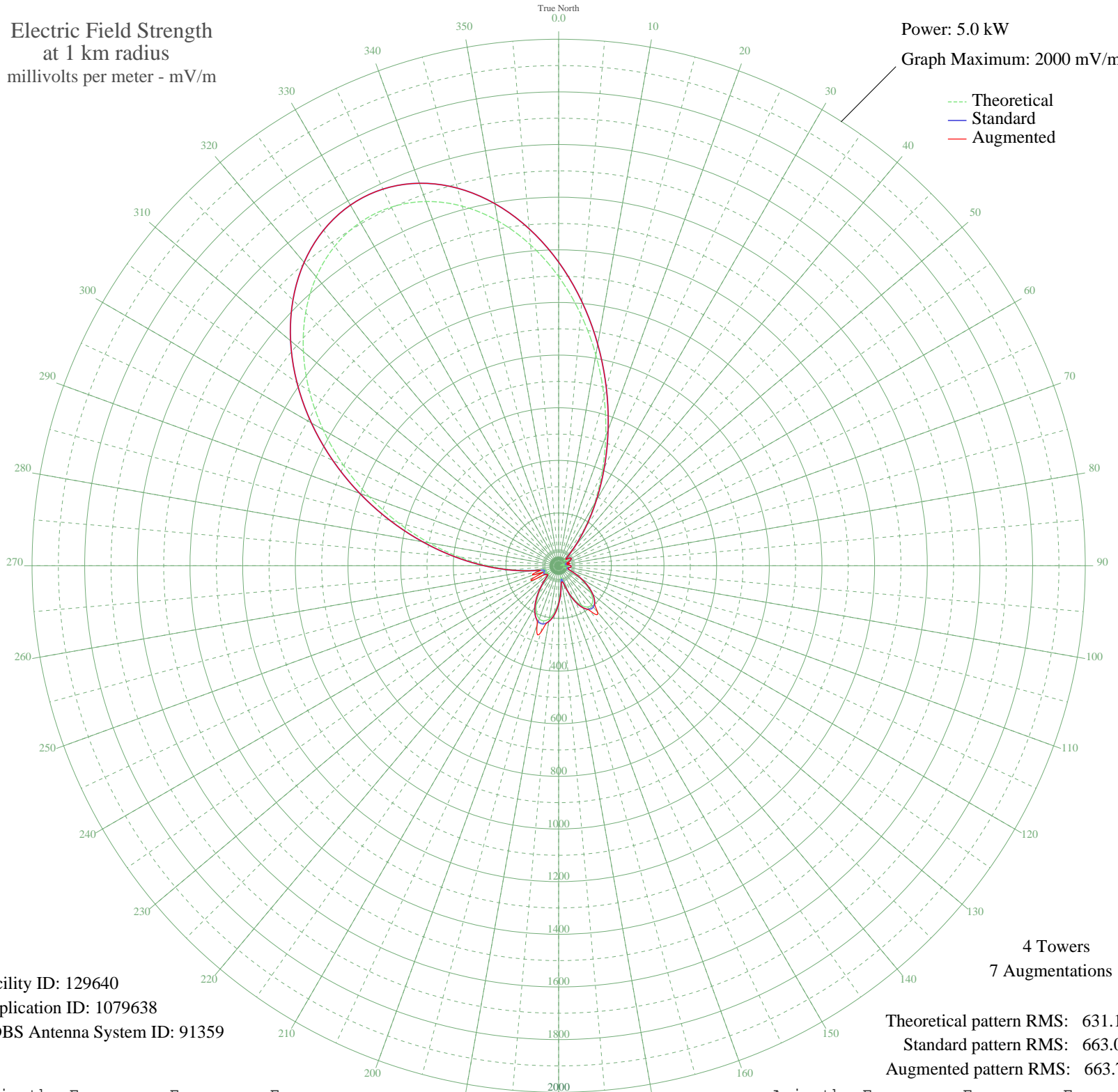


KVKK VERNDALE, MN BL-20050804ADS 1070 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 129640
Application ID: 1079638
CDBS Antenna System ID: 91359

4 Towers
7 Augmentations
Theoretical pattern RMS: 631.12
Standard pattern RMS: 663.09
Augmented pattern RMS: 663.70

Azimuth	Etheo	Estd	Eaug
0	1098.17	1153.31	1153.31
5	959.57	1007.82	1007.82
10	813.38	854.37	854.37
15	665.72	699.40	699.40
20	522.59	549.22	549.22
25	389.45	409.59	409.59
30	270.93	285.44	285.44
35	170.63	180.70	180.70
40	91.32	98.72	98.72
45	37.56	45.89	45.89
50	29.04	38.49	38.49
55	43.37	51.24	51.24
60	47.98	55.58	55.58
65	41.59	49.58	49.58
70	27.44	37.16	37.16
75	10.71	26.03	39.39
80	13.66	27.51	34.91
85	28.34	37.91	37.91
90	37.85	46.16	46.16
95	39.45	47.61	47.61
100	32.57	41.48	41.48
105	21.44	32.53	38.49
110	28.31	37.88	39.31
115	57.14	64.43	64.43
120	92.59	100.01	100.01
125	128.33	136.77	136.77
130	159.74	169.36	169.36
135	182.73	193.30	193.30
140	193.98	205.02	229.57
145	191.24	202.17	210.00
150	173.76	183.95	183.95
155	142.51	151.47	151.47
160	100.74	108.36	108.36
165	57.22	64.51	67.32
170	47.99	55.59	63.33
175	89.00	96.36	96.36

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	136.34	145.07	145.07
185	176.25	186.55	186.55
190	203.83	215.30	215.30
195	216.73	228.78	263.09
200	214.45	226.39	239.08
205	198.12	209.35	209.35
210	170.34	180.39	180.39
215	134.97	143.65	143.65
220	97.15	104.68	104.68
225	64.06	71.24	71.24
230	46.68	54.35	54.35
235	49.31	56.85	56.85
240	56.06	63.37	100.65
245	55.39	62.72	90.10
250	48.72	56.29	100.71
255	57.66	64.94	72.87
260	102.69	110.35	110.35
265	175.39	185.65	185.65
270	268.41	282.81	282.81
275	377.68	397.25	397.25
280	499.55	525.05	525.05
285	630.19	662.12	662.12
290	765.47	804.08	804.08
295	901.03	946.37	946.37
300	1032.45	1084.33	1084.33
305	1155.35	1213.34	1213.34
310	1265.50	1328.98	1328.98
315	1358.96	1427.10	1427.10
320	1432.17	1503.96	1503.96
325	1482.08	1556.37	1556.37
330	1506.32	1581.81	1581.81
335	1503.28	1578.61	1578.61
340	1472.34	1546.14	1546.14
345	1414.02	1484.90	1484.90
350	1330.03	1396.73	1396.73
355	1223.36	1284.75	1284.75