

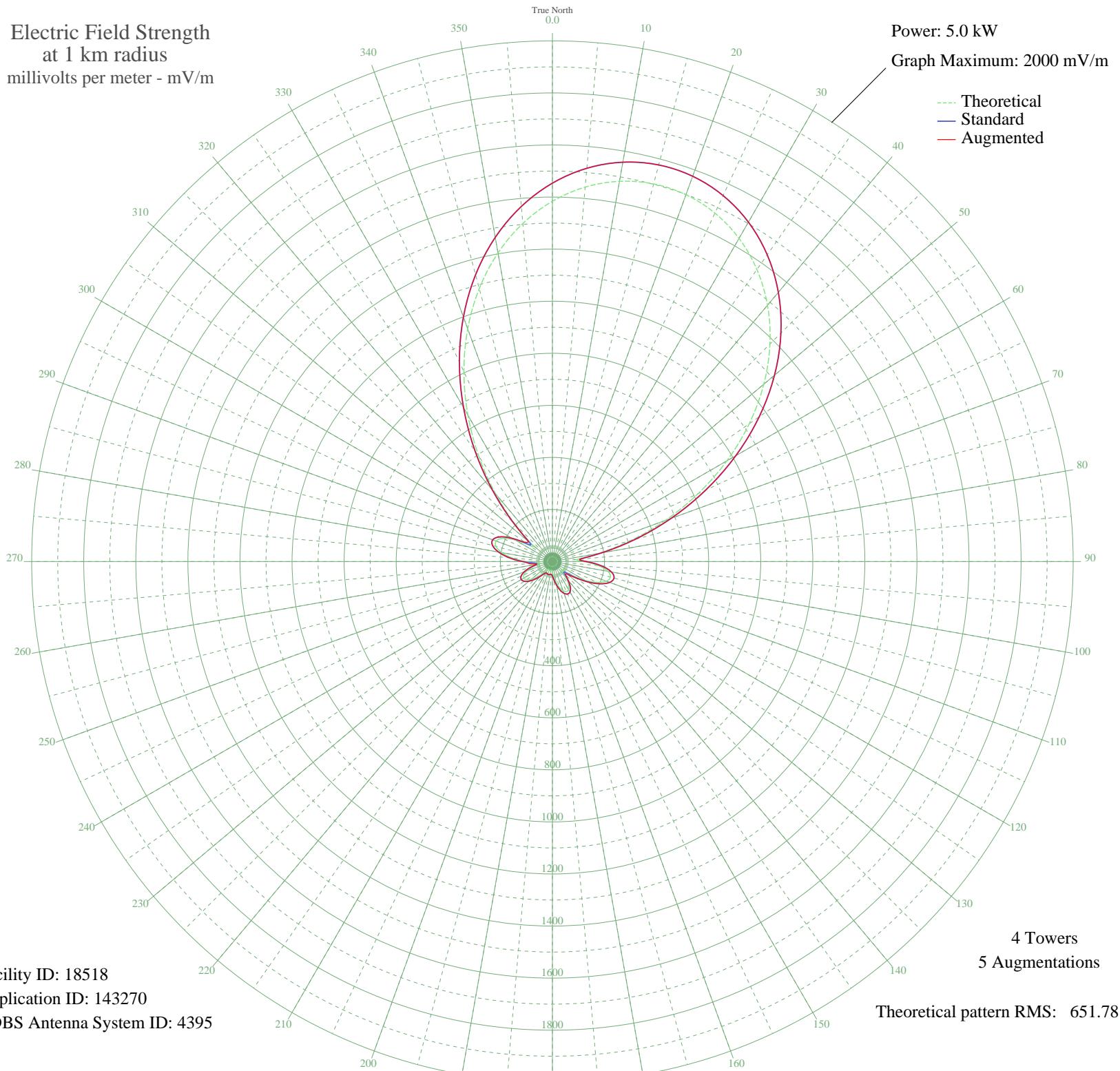
# KKMS RICHFIELD, MN BL-- 980 kHz

Unlimited Time

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m



Facility ID: 18518  
Application ID: 143270  
CDBS Antenna System ID: 4395

4 Towers  
5 Augmentations  
Theoretical pattern RMS: 651.78

Azimuth	Etheo	Estd	Eaug
0	1383.86	1453.49	1453.49
5	1443.76	1516.37	1516.37
10	1483.05	1557.61	1557.61
15	1501.65	1577.14	1577.14
20	1499.59	1574.97	1574.97
25	1476.85	1551.10	1551.10
30	1433.43	1505.52	1505.52
35	1369.42	1438.34	1438.34
40	1285.17	1349.90	1349.90
45	1181.48	1241.06	1241.06
50	1059.85	1113.42	1113.42
55	922.75	969.54	969.54
60	773.76	813.22	813.22
65	617.69	649.55	649.55
70	460.71	485.05	485.05
75	310.55	328.02	328.02
80	178.73	191.02	191.02
85	96.71	107.60	107.60
90	119.72	130.65	130.65
95	176.72	188.94	188.94
100	216.46	230.05	230.05
105	230.73	244.87	244.87
110	220.30	234.04	234.04
115	189.39	202.02	202.02
120	144.38	155.72	155.72
125	93.67	104.59	109.45
130	51.80	65.01	78.03
135	52.08	65.25	73.46
140	82.19	93.36	94.00
145	108.70	119.56	120.31
150	123.89	134.87	135.11
155	126.79	137.80	137.80
160	118.73	129.65	129.65
165	102.35	113.21	113.21
170	81.07	92.26	92.26
175	58.94	71.39	71.39

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	40.89	55.78	55.78
185	32.50	49.31	49.31
190	33.57	50.10	50.10
195	36.33	52.18	52.18
200	35.96	51.89	51.89
205	32.96	49.65	49.65
210	33.25	49.86	49.86
215	43.89	58.24	58.24
220	63.21	75.32	75.32
225	85.53	96.60	96.60
230	106.13	116.99	116.99
235	121.10	132.05	132.05
240	127.15	138.17	138.17
245	121.85	132.80	132.80
250	104.21	115.07	115.07
255	75.95	87.34	87.34
260	47.92	61.63	61.63
265	58.11	70.64	90.12
270	103.75	114.61	114.61
275	154.14	165.72	165.72
280	196.93	209.82	209.82
285	224.20	238.09	238.09
290	229.94	244.05	244.05
295	210.48	223.85	223.85
300	166.11	178.01	178.01
305	109.06	119.92	130.01
310	105.65	116.51	122.09
315	202.74	215.83	215.83
320	339.58	358.34	358.34
325	491.84	517.66	517.66
330	649.20	682.59	682.59
335	804.30	845.26	845.26
340	951.26	999.46	999.46
345	1085.51	1140.34	1140.34
350	1203.71	1264.40	1264.40
355	1303.61	1369.26	1369.26