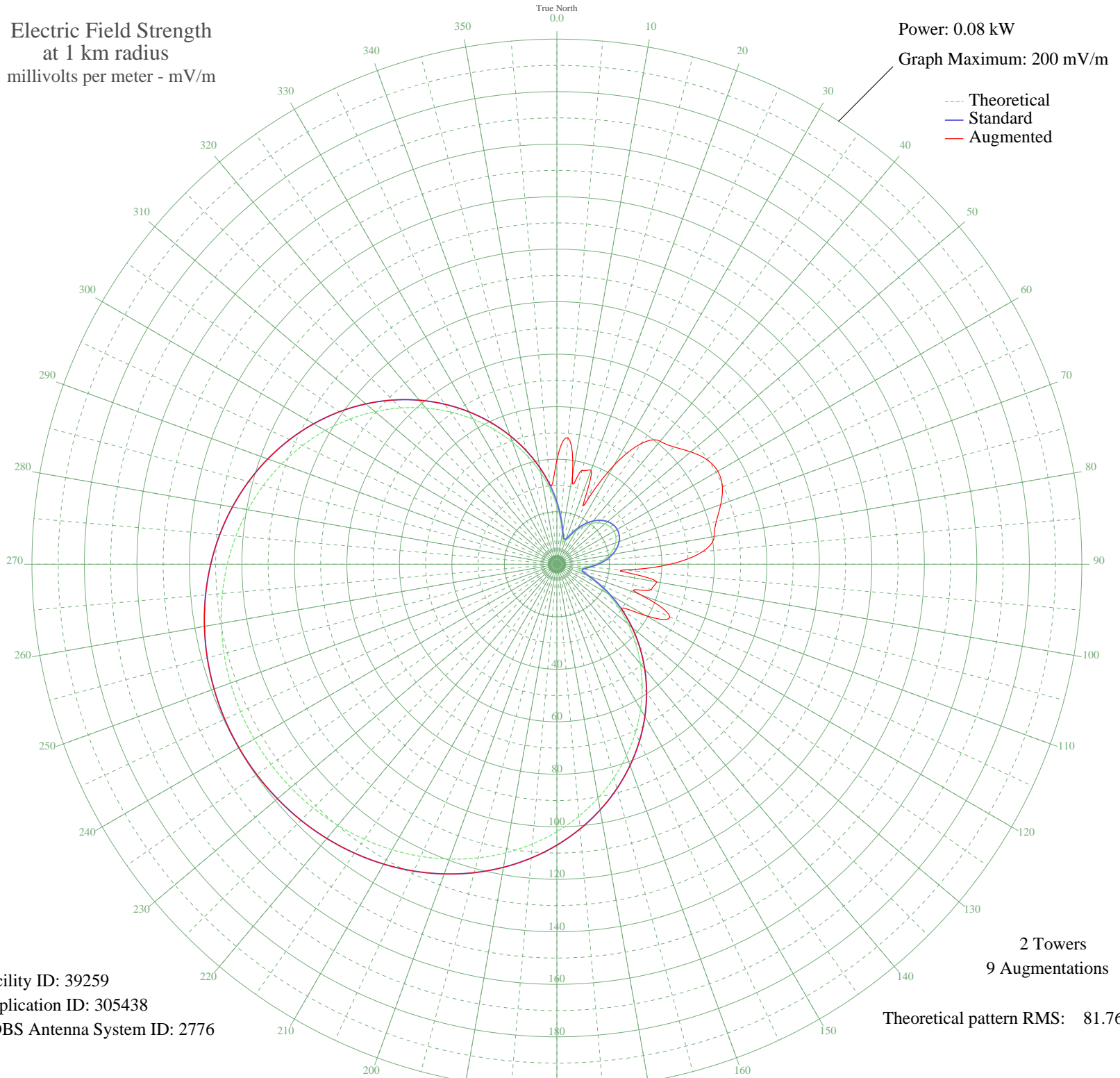


# KQAD LUVERNE, MN BL-- 800 kHz

Nighttime

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

Power: 0.08 kW  
Graph Maximum: 200 mV/m



Facility ID: 39259  
Application ID: 305438  
CDBS Antenna System ID: 2776

2 Towers  
9 Augmentations

Theoretical pattern RMS: 81.76

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	22.39	23.71	39.62
5	16.66	17.77	48.28
10	11.95	12.93	34.28
15	9.18	10.14	37.01
20	9.34	10.30	38.14
25	11.68	12.65	25.31
30	14.70	15.75	43.45
35	17.65	18.80	56.14
40	20.24	21.48	61.16
45	22.33	23.65	63.16
50	23.85	25.24	66.57
55	24.78	26.21	69.61
60	25.09	26.53	70.81
65	24.78	26.21	69.57
70	23.85	25.24	66.42
75	22.33	23.65	62.89
80	20.24	21.48	60.83
85	17.65	18.80	55.84
90	14.70	15.75	43.21
95	11.68	12.65	25.19
100	9.34	10.30	38.62
105	9.18	10.14	37.35
110	11.95	12.93	33.71
115	16.66	17.77	47.48
120	22.39	23.71	39.14
125	28.72	30.32	30.32
130	35.44	37.34	37.34
135	42.40	44.63	44.63
140	49.51	52.08	52.08
145	56.66	59.58	59.58
150	63.78	67.04	67.04
155	70.78	74.39	74.39
160	77.60	81.54	81.54
165	84.17	88.43	88.43
170	90.43	95.01	95.01
175	96.34	101.21	101.21

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	101.86	106.99	106.99
185	106.95	112.34	112.34
190	111.60	117.22	117.22
195	115.79	121.62	121.62
200	119.51	125.53	125.53
205	122.77	128.95	128.95
210	125.57	131.89	131.89
215	127.92	134.35	134.35
220	129.82	136.35	136.35
225	131.29	137.89	137.89
230	132.33	138.98	138.98
235	132.95	139.63	139.63
240	133.16	139.85	139.85
245	132.95	139.63	139.63
250	132.33	138.98	138.98
255	131.29	137.89	137.89
260	129.82	136.35	136.35
265	127.92	134.35	134.35
270	125.57	131.89	131.89
275	122.77	128.95	128.95
280	119.51	125.53	125.53
285	115.79	121.62	121.62
290	111.60	117.22	117.22
295	106.95	112.34	112.34
300	101.86	106.99	106.99
305	96.34	101.21	101.21
310	90.43	95.01	95.01
315	84.17	88.43	88.43
320	77.60	81.54	81.54
325	70.78	74.39	74.39
330	63.78	67.04	67.04
335	56.66	59.58	59.58
340	49.51	52.08	52.08
345	42.40	44.63	44.63
350	35.44	37.34	37.34
355	28.72	30.32	30.32