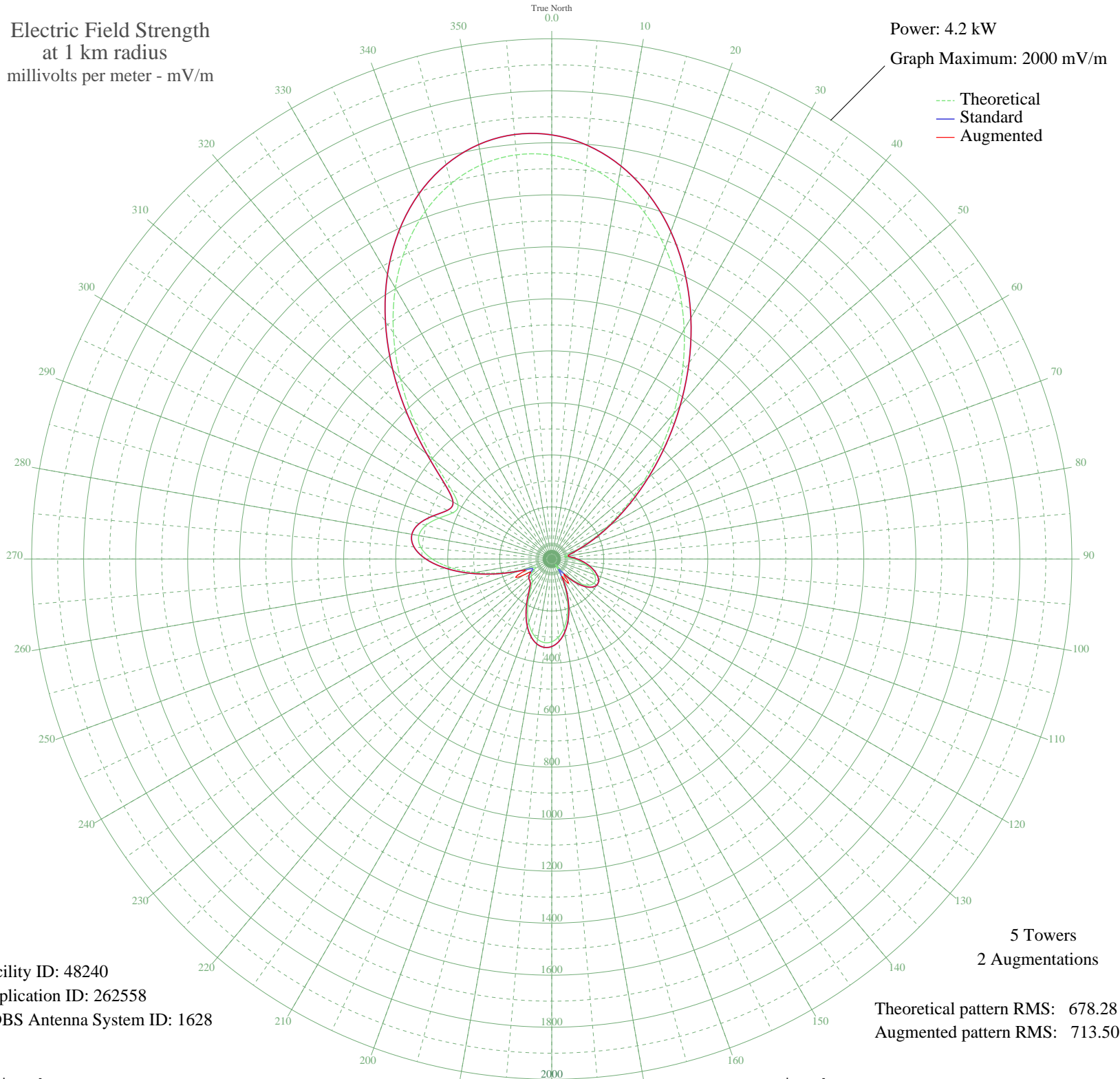


WAUR SANDWICH, IL BL-19980218KA 930 kHz

Nighttime

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

Power: 4.2 kW  
Graph Maximum: 2000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 48240  
Application ID: 262558  
CDBS Antenna System ID: 1628

5 Towers  
2 Augmentations

Theoretical pattern RMS: 678.28  
Augmented pattern RMS: 713.50

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1552.39	1630.46	1630.46
5	1518.99	1595.40	1595.40
10	1460.46	1533.97	1533.97
15	1378.33	1447.76	1447.76
20	1274.92	1339.21	1339.21
25	1153.51	1211.79	1211.79
30	1018.49	1070.10	1070.10
35	875.26	919.82	919.82
40	729.94	767.40	767.40
45	588.88	619.51	619.51
50	457.93	482.36	482.36
55	341.73	360.87	360.87
60	243.18	258.22	258.22
65	163.29	175.71	175.71
70	102.02	113.80	113.80
75	61.12	74.80	74.80
80	49.00	64.21	64.21
85	63.24	76.71	76.71
90	85.76	97.90	97.90
95	109.64	121.36	121.36
100	133.44	145.29	145.29
105	155.83	168.07	168.07
110	174.36	187.07	187.07
115	185.84	198.87	198.87
120	187.09	200.16	200.16
125	175.81	188.56	188.56
130	151.12	163.26	163.26
135	113.83	125.55	125.55
140	66.94	80.10	80.10
145	25.85	47.04	112.95
150	61.67	75.29	77.03
155	120.44	132.16	132.16
160	177.66	190.46	190.46
165	228.65	243.14	243.14
170	270.40	286.51	286.51
175	300.79	318.16	318.16

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	318.42	336.54	336.54
185	322.59	340.89	340.89
190	313.38	331.28	331.28
195	291.67	308.65	308.65
200	259.39	275.06	275.06
205	219.81	233.98	233.98
210	177.98	190.79	190.79
215	141.06	153.01	153.01
220	116.89	128.60	128.60
225	107.37	119.11	119.11
230	103.27	115.04	115.04
235	92.90	104.84	104.84
240	74.53	87.18	117.03
245	74.00	86.67	138.06
250	124.72	136.48	136.48
255	206.98	220.70	220.70
260	299.51	316.82	316.82
265	387.84	409.04	409.04
270	459.68	484.19	484.19
275	505.22	531.87	531.87
280	518.78	546.07	546.07
285	500.74	527.18	527.18
290	460.37	484.91	484.91
295	420.02	442.69	442.69
300	415.93	438.41	438.41
305	476.68	501.99	501.99
310	595.34	626.28	626.28
315	745.78	784.01	784.01
320	905.96	952.03	952.03
325	1061.36	1115.09	1115.09
330	1202.69	1263.41	1263.41
335	1324.10	1390.84	1390.84
340	1422.02	1493.62	1493.62
345	1494.46	1569.65	1569.65
350	1540.46	1617.94	1617.94
355	1559.71	1638.15	1638.15