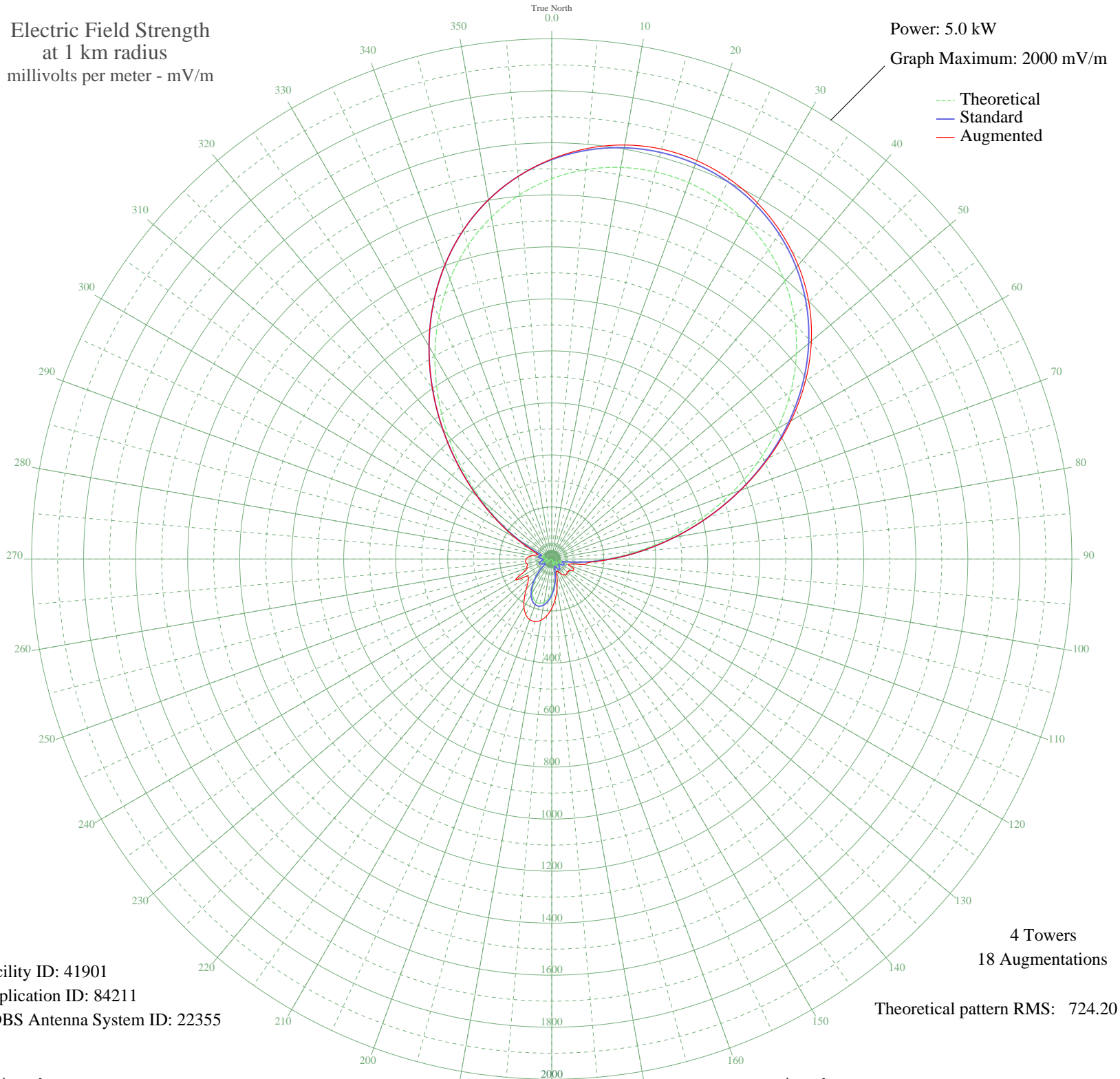


WLMV MADISON, WI BL-19851216AB 1480 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 41901  
Application ID: 84211  
CDBS Antenna System ID: 22355

4 Towers  
18 Augmentations  
Theoretical pattern RMS: 724.20

Azimuth	Etheo	Estd	Eaug
0	1461.92	1535.27	1537.80
5	1502.50	1577.88	1584.58
10	1528.63	1605.31	1616.16
15	1540.87	1618.16	1631.42
20	1539.52	1616.74	1630.01
25	1524.53	1601.01	1613.12
30	1495.56	1570.59	1581.25
35	1452.01	1524.87	1534.90
40	1393.19	1463.12	1474.30
45	1318.58	1384.79	1397.88
50	1228.05	1289.76	1303.19
55	1122.16	1178.61	1190.64
60	1002.45	1052.95	1062.05
65	871.56	915.57	920.85
70	733.35	770.52	772.22
75	592.74	623.01	623.01
80	455.46	479.06	479.06
85	327.54	345.05	345.05
90	214.74	227.22	227.84
95	122.18	131.32	145.03
100	55.02	64.22	121.84
105	27.62	40.35	75.68
110	37.67	48.49	71.07
115	41.64	51.95	93.98
120	33.92	45.34	92.14
125	20.25	35.20	80.38
130	15.87	32.63	77.72
135	27.45	40.22	81.40
140	37.33	48.20	80.62
145	39.43	50.01	73.48
150	32.15	43.90	61.52
155	15.74	32.56	51.69
160	8.30	29.38	53.56
165	37.64	48.46	79.74
170	69.49	78.18	116.69
175	101.02	109.72	155.05

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	Etheo	Estd	Eaug
180	129.54	138.88	190.15
185	152.77	162.85	218.91
190	168.95	179.60	239.13
195	176.88	187.83	249.04
200	175.99	186.90	247.93
205	166.34	176.90	235.86
210	148.64	158.58	213.61
215	124.19	133.39	183.21
220	94.87	103.49	153.29
225	63.06	71.91	130.22
230	31.48	43.35	117.01
235	2.99	28.23	112.21
240	19.70	34.85	160.60
245	34.37	45.71	118.51
250	39.75	50.28	99.95
255	35.88	46.97	97.16
260	24.90	38.35	98.81
265	14.91	32.13	101.39
270	22.97	36.99	98.29
275	36.20	47.24	89.73
280	41.87	52.16	75.51
285	35.46	46.62	60.63
290	28.59	41.09	60.72
295	66.04	74.80	92.53
300	138.85	148.47	159.34
305	235.84	249.21	255.09
310	352.09	370.76	373.44
315	482.36	507.26	508.13
320	620.79	652.43	652.53
325	761.35	799.91	799.91
330	898.47	943.81	943.81
335	1027.39	1079.12	1079.12
340	1144.51	1202.07	1202.07
345	1247.41	1310.09	1310.09
350	1334.78	1401.80	1401.80
355	1406.21	1476.78	1476.93