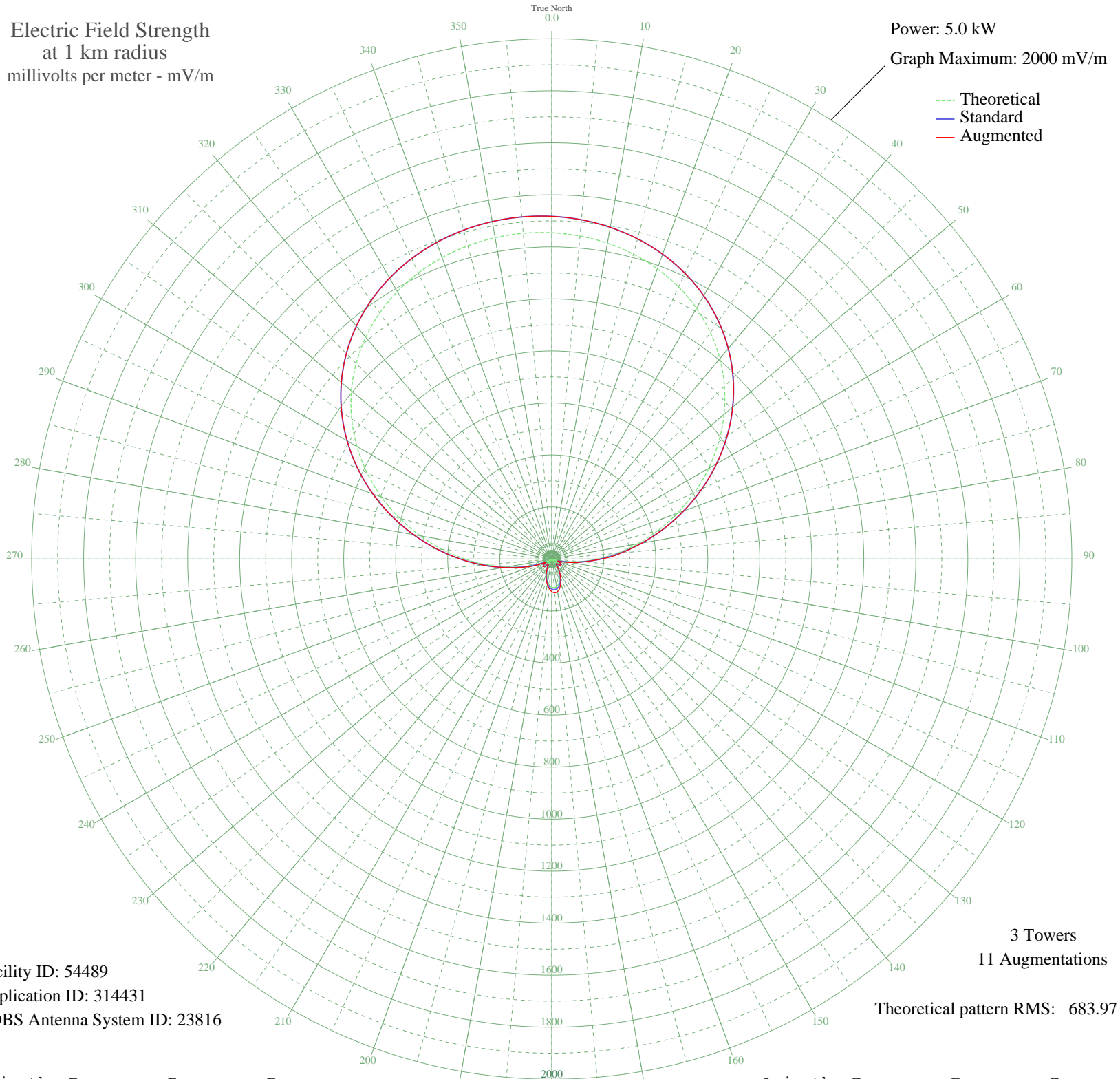


WRPN RIPON, WI BL-- 1600 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 54489
Application ID: 314431
CDBS Antenna System ID: 23816

3 Towers
11 Augmentations
Theoretical pattern RMS: 683.97

Azimuth	Etheo	Estd	Eaug
0	1254.33	1317.26	1317.26
5	1246.45	1308.98	1308.98
10	1232.99	1294.85	1294.85
15	1213.49	1274.38	1274.38
20	1187.38	1246.97	1246.97
25	1154.03	1211.96	1211.96
30	1112.87	1168.75	1168.75
35	1063.44	1116.86	1116.86
40	1005.50	1056.04	1056.04
45	939.14	986.38	986.38
50	864.85	908.40	908.40
55	783.55	823.06	823.06
60	696.62	731.83	731.83
65	605.89	636.62	636.62
70	513.56	539.75	539.75
75	422.06	443.78	443.78
80	333.93	351.41	351.41
85	251.65	265.27	270.08
90	177.45	187.79	191.38
95	113.18	121.13	123.98
100	60.16	67.39	77.89
105	19.12	30.89	37.46
110	9.84	25.65	26.18
115	27.20	36.97	37.00
120	33.97	42.71	42.71
125	31.61	40.66	40.66
130	21.84	32.82	32.82
135	6.57	24.47	24.90
140	12.26	26.78	28.13
145	32.77	41.65	43.21
150	53.21	60.60	61.95
155	72.07	79.23	80.68
160	88.07	95.41	100.32
165	100.22	107.82	117.11
170	107.79	115.59	127.73
175	110.36	118.24	130.50

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	107.79	115.59	125.47
185	100.22	107.82	113.92
190	88.07	95.41	98.35
195	72.07	79.23	81.80
200	53.21	60.60	63.09
205	32.77	41.65	43.37
210	12.26	26.78	27.60
215	6.57	24.47	25.16
220	21.84	32.82	33.59
225	31.61	40.66	40.97
230	33.97	42.71	42.76
235	27.20	36.97	37.96
240	9.84	25.65	26.44
245	19.12	30.89	38.37
250	60.16	67.39	79.57
255	113.18	121.13	124.47
260	177.45	187.79	187.79
265	251.64	265.27	265.27
270	333.93	351.41	351.41
275	422.06	443.78	443.78
280	513.56	539.75	539.75
285	605.89	636.62	636.62
290	696.62	731.82	731.82
295	783.55	823.06	823.06
300	864.85	908.40	908.40
305	939.14	986.38	986.38
310	1005.50	1056.03	1056.03
315	1063.44	1116.86	1116.86
320	1112.87	1168.75	1168.75
325	1154.03	1211.96	1211.96
330	1187.38	1246.97	1246.97
335	1213.49	1274.38	1274.38
340	1232.99	1294.85	1294.85
345	1246.45	1308.98	1308.98
350	1254.33	1317.26	1317.26
355	1256.92	1319.98	1319.98