

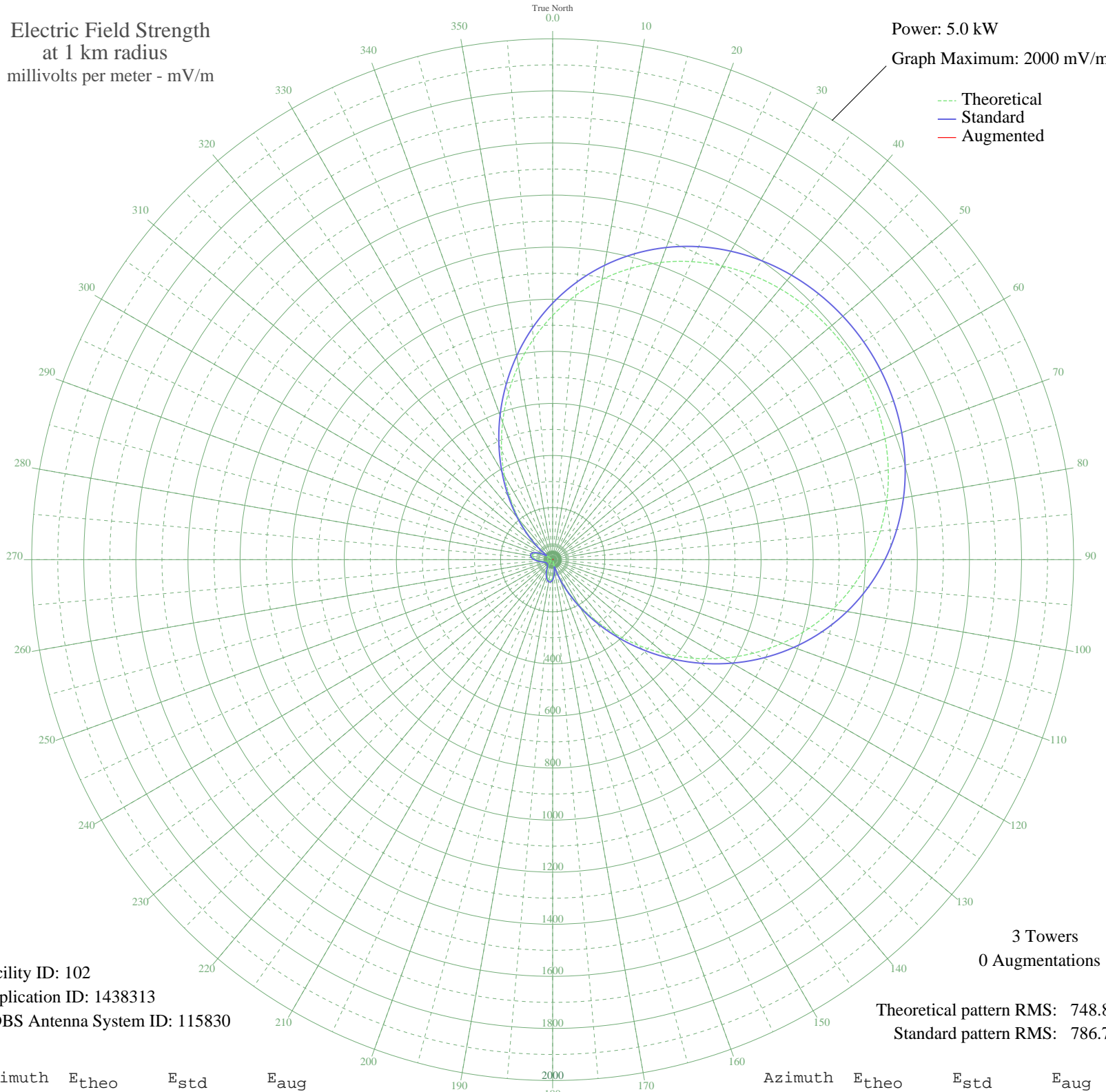
WSMN NASHUA, NH 3P-20100505AJC 1590 kHz

Nighttime

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m



Facility ID: 102
Application ID: 1438313
CDBS Antenna System ID: 115830

Theoretical pattern RMS: 748.80
Standard pattern RMS: 786.70

Azimuth	E _{theo}	E _{std}	E _{aug}
0	937.74	984.97	
5	1019.03	1070.30	
10	1092.64	1147.57	
15	1157.92	1216.10	
20	1214.60	1275.60	
25	1262.67	1326.06	
30	1302.36	1367.72	
35	1334.01	1400.96	
40	1358.05	1426.19	
45	1374.88	1443.86	
50	1384.84	1454.31	
55	1388.13	1457.77	
60	1384.84	1454.31	
65	1374.88	1443.86	
70	1358.05	1426.19	
75	1334.01	1400.96	
80	1302.36	1367.72	
85	1262.67	1326.06	
90	1214.60	1275.60	
95	1157.92	1216.10	
100	1092.64	1147.57	
105	1019.03	1070.30	
110	937.74	984.97	
115	849.78	892.65	
120	756.55	794.80	
125	659.81	693.29	
130	561.63	590.28	
135	464.25	488.16	
140	370.01	389.39	
145	281.18	296.39	
150	199.81	211.42	
155	127.65	136.55	
160	66.06	74.11	
165	16.64	31.41	
170	24.86	36.92	
175	52.23	60.74	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	69.58	77.58	
185	77.75	85.71	
190	78.16	86.12	
195	72.45	80.43	
200	62.37	70.50	
205	49.65	58.31	
210	35.97	45.91	
215	22.90	35.49	
220	12.15	29.06	
225	6.91	27.10	
230	8.43	27.57	
235	9.72	28.03	
240	8.43	27.57	
245	6.91	27.10	
250	12.15	29.06	
255	22.90	35.49	
260	35.97	45.91	
265	49.65	58.31	
270	62.37	70.50	
275	72.45	80.43	
280	78.16	86.12	
285	77.75	85.71	
290	69.58	77.58	
295	52.23	60.74	
300	24.86	36.92	
305	16.64	31.41	
310	66.06	74.11	
315	127.65	136.55	
320	199.81	211.42	
325	281.18	296.39	
330	370.01	389.39	
335	464.25	488.16	
340	561.63	590.29	
345	659.81	693.29	
350	756.55	794.80	
355	849.78	892.65	

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau
Federal Communications Commission