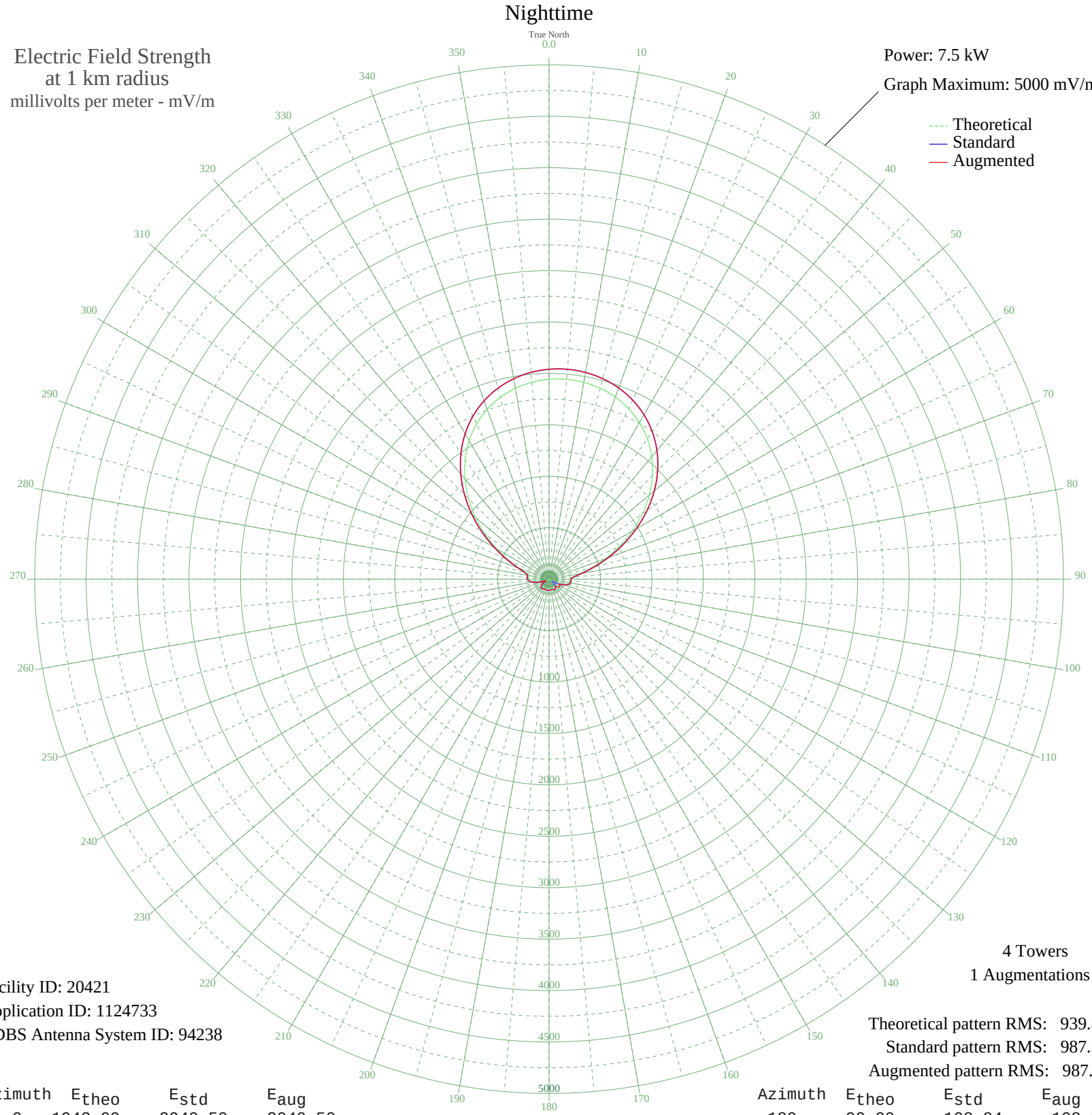
WCCW TRAVERSE CITY, MI BMP-20060323ABB 1310 kHz

Nighttime

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



Power: 7.5 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented

4 Towers
1 Augmentations

Facility ID: 20421
Application ID: 1124733
CDBS Antenna System ID: 94238

Theoretical pattern RMS: 939.80
Standard pattern RMS: 987.30
Augmented pattern RMS: 987.60

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1943.09	2040.50	2040.50
5	1950.27	2048.04	2048.04
10	1943.09	2040.50	2040.50
15	1921.23	2017.55	2017.55
20	1883.85	1978.31	1978.31
25	1829.69	1921.45	1921.45
30	1757.33	1845.48	1845.48
35	1665.51	1749.08	1749.08
40	1553.50	1631.50	1631.50
45	1421.57	1493.00	1493.00
50	1271.35	1335.31	1335.31
55	1106.16	1161.92	1161.92
60	931.22	978.32	978.32
65	753.69	792.03	792.03
70	582.60	612.58	612.58
75	428.93	451.53	451.53
80	306.05	322.96	322.96
85	228.73	242.32	242.32
90	200.98	213.47	213.47
95	200.45	212.92	212.92
100	199.12	211.54	211.54
105	183.81	195.68	195.68
110	152.86	163.71	163.71
115	110.04	119.96	123.14
120	61.25	71.94	113.42
125	12.67	34.88	123.73
130	30.72	45.61	119.72
135	64.93	75.42	100.38
140	88.34	98.21	98.21
145	101.07	110.91	110.91
150	104.86	114.73	114.73
155	102.74	112.59	112.59
160	98.40	108.24	108.24
165	95.18	105.01	105.01
170	94.78	104.62	104.62
175	96.68	106.52	106.52

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.

05 May 2006

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	99.00	108.84	108.84
185	100.00	109.84	109.84
190	99.00	108.84	108.84
195	96.68	106.52	106.52
200	94.78	104.62	104.62
205	95.18	105.01	105.01
210	98.40	108.24	108.24
215	102.74	112.59	112.59
220	104.86	114.73	114.73
225	101.07	110.91	110.91
230	88.34	98.21	98.21
235	64.93	75.42	75.42
240	30.72	45.61	45.61
245	12.67	34.88	34.88
250	61.25	71.94	71.94
255	110.04	119.96	119.96
260	152.86	163.71	163.71
265	183.81	195.68	195.68
270	199.12	211.54	211.54
275	200.45	212.92	212.92
280	200.98	213.47	213.47
285	228.73	242.32	242.32
290	306.05	322.96	322.96
295	428.93	451.53	451.53
300	582.60	612.58	612.58
305	753.69	792.03	792.03
310	931.22	978.32	978.32
315	1106.16	1161.92	1161.92
320	1271.35	1335.31	1335.31
325	1421.57	1493.00	1493.00
330	1553.50	1631.49	1631.49
335	1665.50	1749.08	1749.08
340	1757.33	1845.48	1845.48
345	1829.69	1921.45	1921.45
350	1883.85	1978.31	1978.31
355	1921.23	2017.55	2017.55