NEW NELSON, BC Canada -- 640 kHz

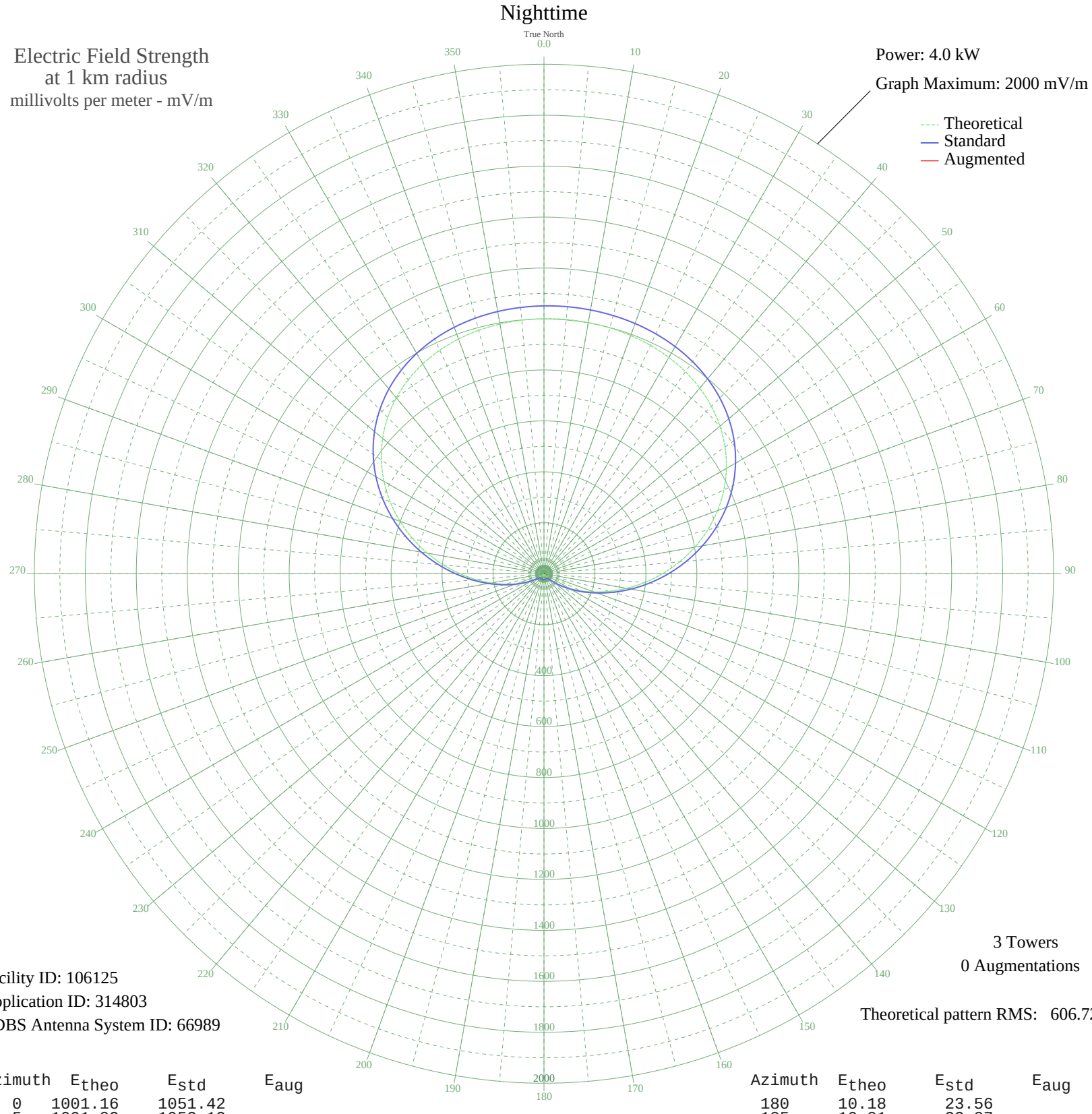
Nighttime

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

Power: 4.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented



3 Towers
0 Augmentations

Facility ID: 106125
Application ID: 314803
CDBS Antenna System ID: 66989

Theoretical pattern RMS: 606.72

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1001.16	1051.42	
5	1001.82	1052.12	
10	1001.16	1051.43	
15	999.06	1049.22	
20	995.23	1045.21	
25	989.21	1038.88	
30	980.35	1029.58	
35	967.93	1016.55	
40	951.16	998.94	
45	929.25	975.94	
50	901.49	946.80	
55	867.35	910.96	
60	826.50	868.08	
65	778.94	818.16	
70	725.01	761.55	
75	665.42	699.00	
80	601.24	631.65	
85	533.86	560.95	
90	464.95	488.64	
95	396.27	416.61	
100	329.65	346.77	
105	266.81	280.93	
110	209.23	220.69	
115	158.10	167.32	
120	114.22	121.76	
125	78.00	84.55	
130	49.43	55.99	
135	28.13	36.24	
140	13.49	25.33	
145	4.88	21.62	
150	2.69	21.19	
155	3.07	21.25	
160	2.66	21.19	
165	3.51	21.32	
170	5.93	21.91	
175	8.43	22.79	

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 Nov 2005

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	10.18	23.56	
185	10.81	23.87	
190	10.18	23.56	
195	8.43	22.79	
200	5.93	21.91	
205	3.51	21.32	
210	2.66	21.19	
215	3.07	21.25	
220	2.69	21.19	
225	4.88	21.62	
230	13.49	25.33	
235	28.13	36.24	
240	49.43	55.99	
245	78.00	84.55	
250	114.22	121.76	
255	158.10	167.32	
260	209.23	220.69	
265	266.81	280.93	
270	329.65	346.77	
275	396.27	416.61	
280	464.95	488.64	
285	533.86	560.95	
290	601.24	631.65	
295	665.42	699.00	
300	725.01	761.55	
305	778.94	818.16	
310	826.50	868.08	
315	867.35	910.96	
320	901.49	946.80	
325	929.25	975.94	
330	951.16	998.94	
335	967.93	1016.55	
340	980.35	1029.58	
345	989.21	1038.88	
350	995.23	1045.21	
355	999.06	1049.22	