NEW VERNON, BC Canada -- 730 kHz

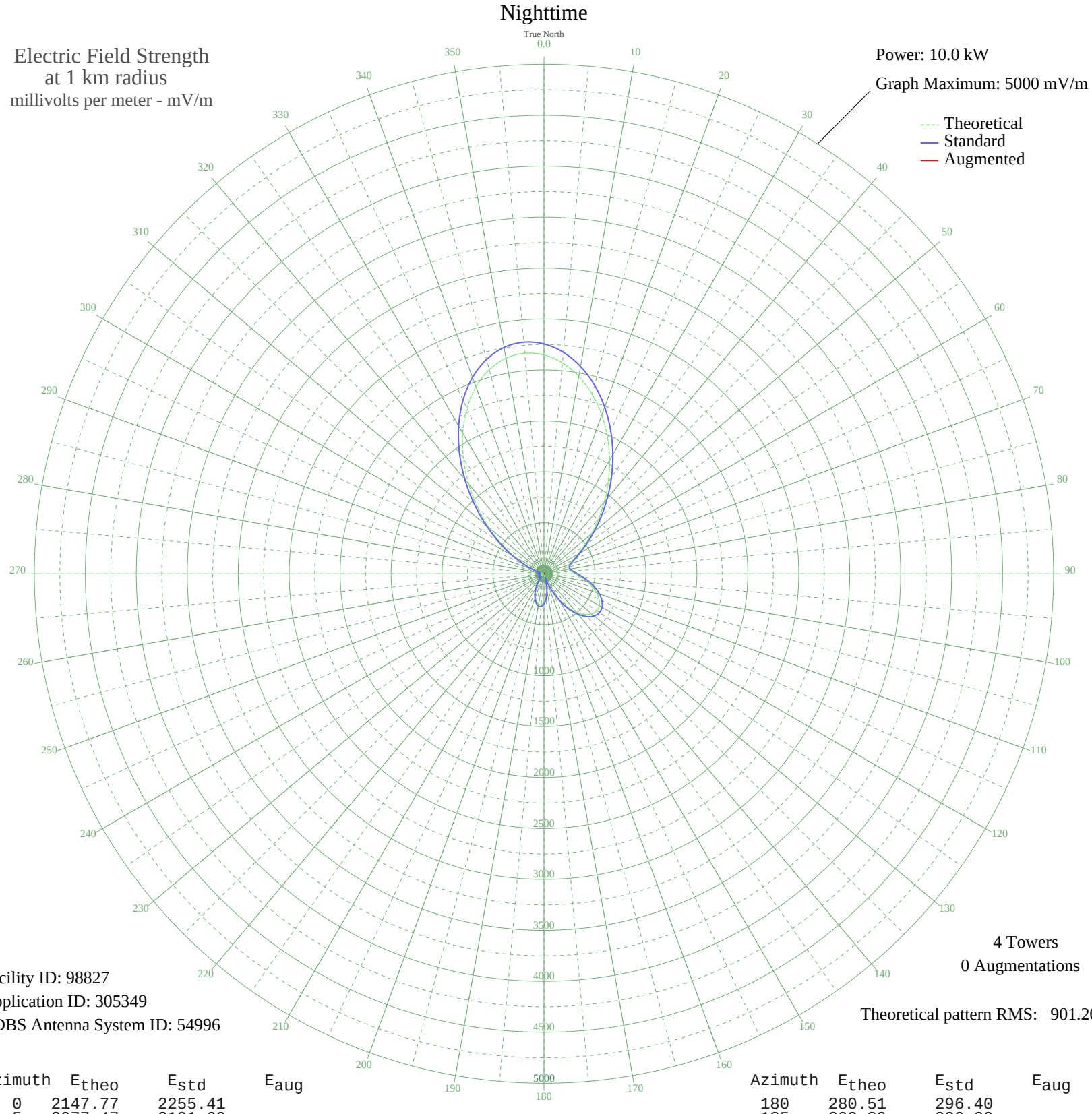
Nighttime

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

Power: 10.0 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented



4 Towers
0 Augmentations

Facility ID: 98827
Application ID: 305349
CDBS Antenna System ID: 54996

Theoretical pattern RMS: 901.20

Azimuth	E_{theo}	E_{std}	E_{aug}
0	2147.77	2255.41	
5	2077.47	2181.60	
10	1967.12	2065.74	
15	1824.20	1915.69	
20	1657.22	1740.39	
25	1475.03	1549.14	
30	1286.25	1350.97	
35	1098.84	1154.26	
40	919.75	966.31	
45	754.82	793.26	
50	608.69	639.99	
55	484.83	510.15	
60	385.57	406.21	
65	312.22	329.51	
70	265.08	280.31	
75	243.48	257.80	
80	245.80	260.22	
85	269.45	284.86	
90	310.83	328.05	
95	365.36	385.07	
100	427.58	450.19	
105	491.29	516.92	
110	549.85	578.30	
115	596.65	627.36	
120	625.59	657.71	
125	631.70	664.12	
130	611.73	643.17	
135	564.60	593.76	
140	491.69	517.34	
145	396.86	418.02	
150	286.14	302.28	
155	167.24	178.71	
160	49.33	61.53	
165	63.94	74.90	
170	158.13	169.32	
175	231.59	245.42	

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.

2 Feb 2017

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	280.51	296.40	
185	303.89	320.80	
190	303.06	319.94	
195	281.31	297.24	
200	243.36	257.67	
205	194.71	207.12	
210	141.09	151.82	
215	87.95	98.14	
220	40.31	53.80	
225	10.48	34.98	
230	31.48	46.85	
235	47.48	59.90	
240	51.79	63.72	
245	45.30	58.01	
250	30.37	46.04	
255	12.33	35.64	
260	18.20	38.31	
265	36.71	50.88	
270	48.27	60.59	
275	46.55	59.09	
280	26.74	43.48	
285	24.51	42.01	
290	96.25	106.37	
295	201.39	214.05	
300	339.18	357.68	
305	508.04	534.47	
310	703.91	739.85	
315	920.18	966.76	
320	1147.91	1205.76	
325	1376.41	1445.61	
330	1594.10	1674.13	
335	1789.43	1879.20	
340	1951.97	2049.84	
345	2073.28	2177.20	
350	2147.60	2255.23	
355	2172.27	2281.13	