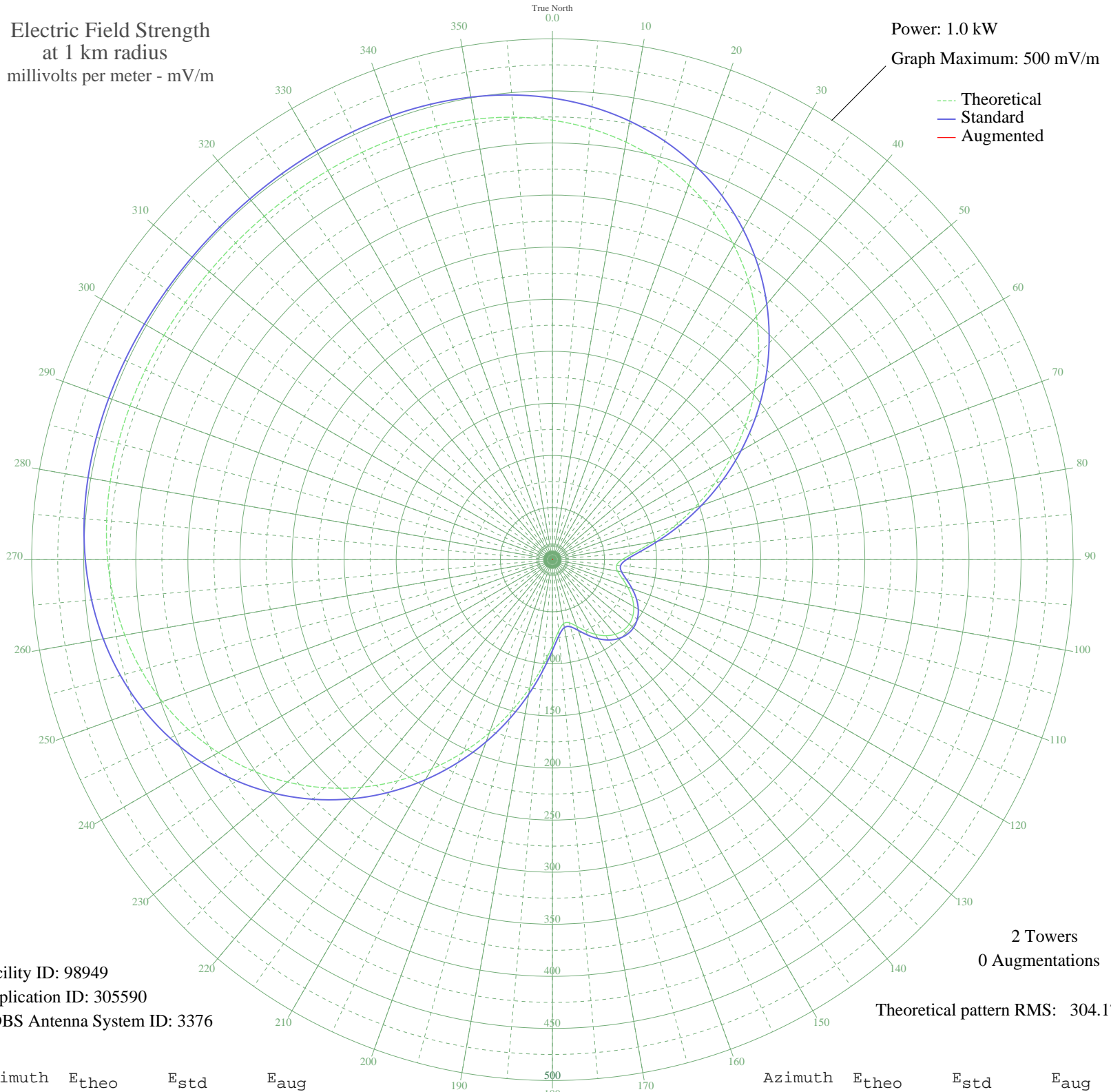


# CHYC SUDBURY, ON Canada -- 900 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 98949  
Application ID: 305590  
CDBS Antenna System ID: 3376

2 Towers  
0 Augmentations

Theoretical pattern RMS: 304.17

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	421.86	443.08	
5	415.49	436.39	
10	406.99	427.47	
15	396.15	416.09	
20	382.82	402.10	
25	366.95	385.44	
30	348.57	366.15	
35	327.80	344.35	
40	304.87	320.29	
45	280.09	294.28	
50	253.84	266.74	
55	226.62	238.18	
60	198.94	209.15	
65	171.43	180.31	
70	144.77	152.37	
75	119.78	126.20	
80	97.48	102.89	
85	79.27	83.90	
90	66.91	71.04	
95	61.81	65.75	
100	63.48	67.48	
105	69.42	73.64	
110	76.92	81.44	
115	84.17	89.00	
120	90.15	95.23	
125	94.28	99.55	
130	96.29	101.65	
135	96.07	101.42	
140	93.62	98.86	
145	89.08	94.13	
150	82.80	87.57	
155	75.39	79.86	
160	68.03	72.20	
165	62.71	66.68	
170	62.24	66.19	
175	68.83	73.03	

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.

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	82.51	87.26	
185	101.66	107.26	
190	124.60	131.25	
195	150.00	157.85	
200	176.89	186.03	
205	204.49	214.97	
210	232.12	243.95	
215	259.19	272.35	
220	285.17	299.62	
225	309.62	325.27	
230	332.14	348.90	
235	352.44	370.21	
240	370.33	388.98	
245	385.69	405.11	
250	398.51	418.57	
255	408.87	429.45	
260	416.93	437.90	
265	422.90	444.17	
270	427.05	448.52	
275	429.68	451.28	
280	431.10	452.78	
285	431.64	453.34	
290	431.59	453.29	
295	431.20	452.89	
300	430.72	452.38	
305	430.31	451.94	
310	430.09	451.71	
315	430.11	451.74	
320	430.38	452.02	
325	430.81	452.48	
330	431.29	452.98	
335	431.63	453.33	
340	431.59	453.29	
345	430.90	452.57	
350	429.26	450.84	
355	426.35	447.79	

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission