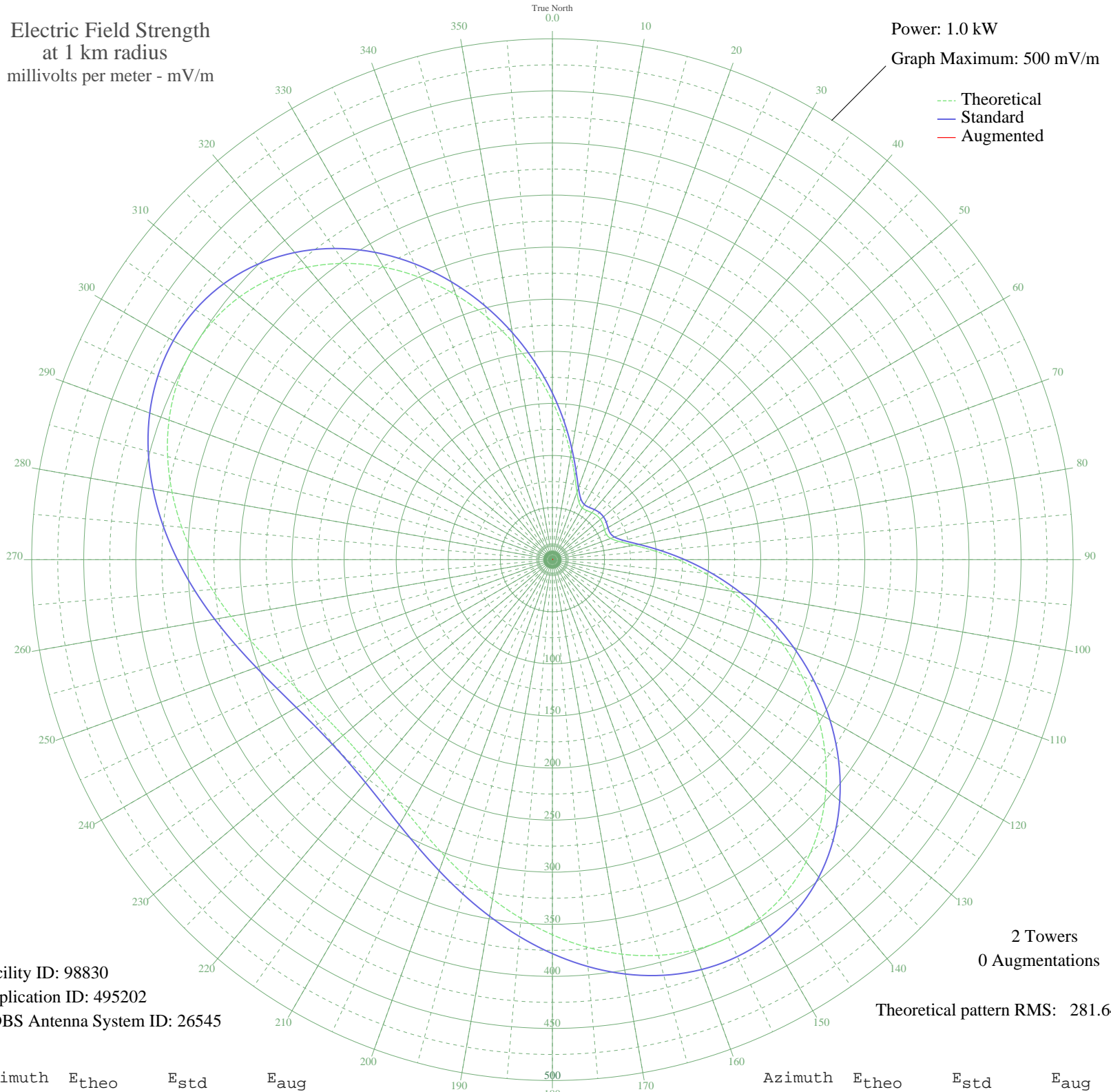


# CHYR7 LEAMINGTON, ON Canada -- 730 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 98830  
Application ID: 495202  
CDBS Antenna System ID: 26545

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 281.64

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	151.99	159.94	
5	125.56	132.25	
10	102.24	107.86	
15	83.04	87.82	
20	68.98	73.18	
25	60.62	64.51	
30	57.40	61.18	
35	57.53	61.31	
40	58.92	62.75	
45	60.04	63.91	
50	60.16	64.03	
55	59.20	63.04	
60	57.77	61.56	
65	57.23	61.00	
70	59.61	63.46	
75	66.85	70.97	
80	79.79	84.44	
85	98.03	103.47	
90	120.61	127.08	
95	146.50	154.18	
100	174.73	183.77	
105	204.39	214.87	
110	234.57	246.52	
115	264.36	277.78	
120	292.89	307.72	
125	319.31	335.44	
130	342.86	360.16	
135	362.88	381.16	
140	378.86	397.94	
145	390.47	410.13	
150	397.57	417.58	
155	400.21	420.35	
160	398.63	418.69	
165	393.23	413.03	
170	384.56	403.93	
175	373.28	392.08	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	360.07	378.22	
185	345.69	363.13	
190	330.87	347.57	
195	316.28	332.25	
200	302.55	317.85	
205	290.23	304.92	
210	279.77	293.95	
215	271.54	285.31	
220	265.81	279.30	
225	262.76	276.10	
230	262.48	275.80	
235	264.98	278.43	
240	270.19	283.89	
245	277.94	292.02	
250	287.97	302.55	
255	299.95	315.13	
260	313.44	329.28	
265	327.91	344.46	
270	342.74	360.03	
275	357.27	375.28	
280	370.76	389.44	
285	382.49	401.76	
290	391.74	411.46	
295	397.84	417.86	
300	400.22	420.36	
305	398.45	418.50	
310	392.25	412.00	
315	381.54	400.75	
320	366.41	384.87	
325	347.16	364.67	
330	324.28	340.65	
335	298.37	313.47	
340	270.20	283.90	
345	240.59	252.83	
350	210.41	221.18	
355	180.58	189.90	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission