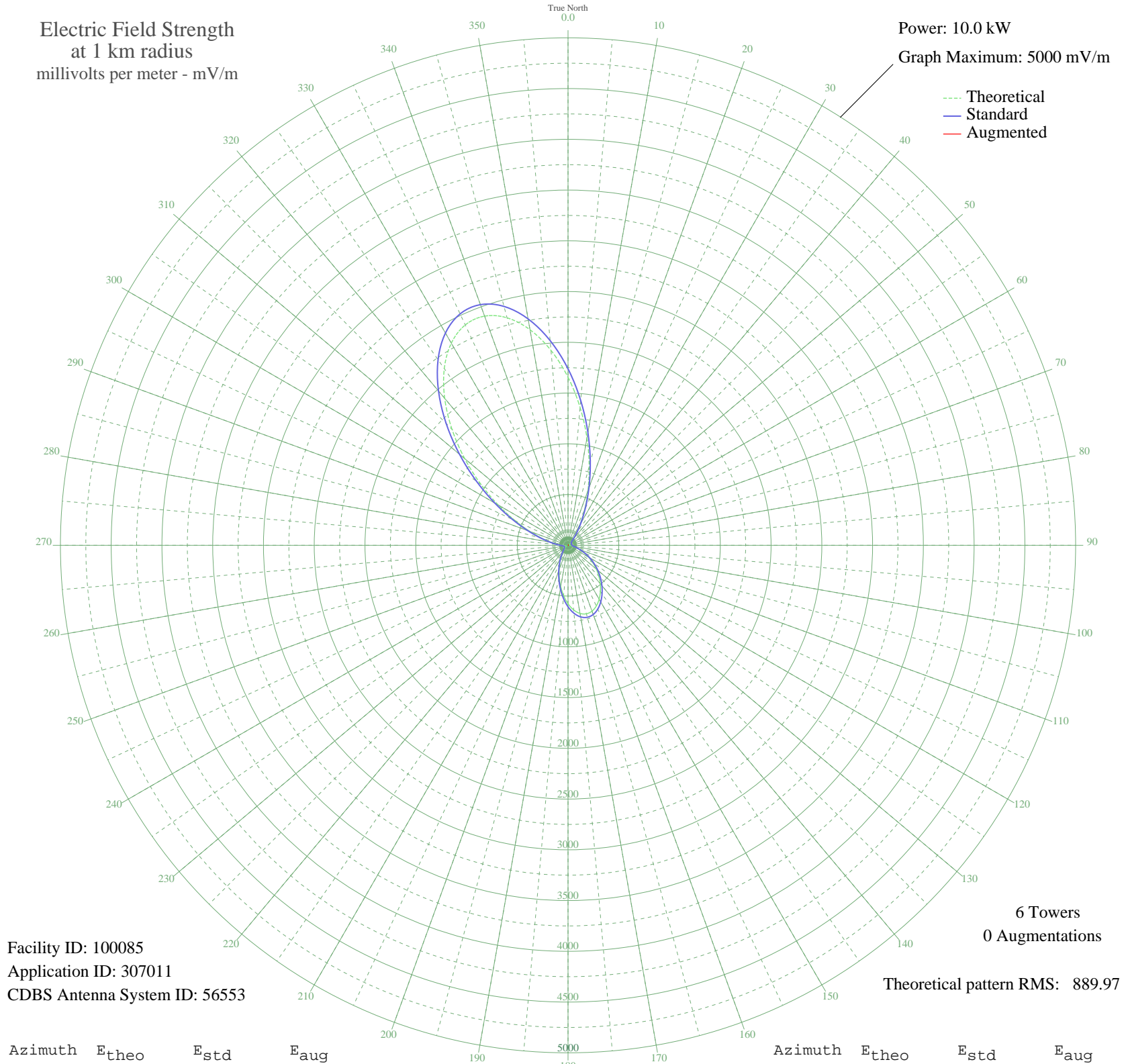


# CHOK SARNIA, ON Canada -- 1070 kHz

Nighttime

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

Power: 10.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 100085  
Application ID: 307011  
CDBS Antenna System ID: 56553

6 Towers  
0 Augmentations

Theoretical pattern RMS: 889.97

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1655.88	1738.99	
5	1363.52	1432.08	
10	1073.75	1127.93	
15	805.61	846.54	
20	572.82	602.38	
25	383.18	403.70	
30	238.78	252.90	
35	136.98	147.61	
40	71.78	82.36	
45	35.27	49.74	
50	19.09	38.78	
55	15.15	36.82	
60	16.56	37.48	
65	18.71	38.58	
70	19.11	38.79	
75	17.16	37.78	
80	14.10	36.36	
85	12.53	35.71	
90	15.13	36.81	
95	24.62	42.08	
100	44.15	57.02	
105	75.56	86.01	
110	118.81	129.10	
115	172.18	183.81	
120	232.77	246.65	
125	297.34	313.97	
130	363.22	382.83	
135	428.82	451.49	
140	493.34	519.07	
145	555.58	584.31	
150	612.69	644.18	
155	659.63	693.40	
160	690.14	725.41	
165	698.52	734.19	
170	681.43	716.27	
175	639.13	671.91	

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	575.50	605.19	
185	497.25	523.16	
190	412.41	434.30	
195	328.80	346.84	
200	252.66	267.37	
205	187.93	200.10	
210	136.11	146.72	
215	96.68	106.81	
220	67.89	78.64	
225	47.54	59.95	
230	33.56	48.42	
235	24.32	41.89	
240	18.69	38.57	
245	15.97	37.20	
250	15.91	37.17	
255	18.85	38.65	
260	25.96	42.96	
265	39.74	53.33	
270	64.28	75.22	
275	105.34	115.48	
280	170.00	181.56	
285	265.80	281.06	
290	399.45	420.73	
295	575.22	604.89	
300	793.27	833.60	
305	1048.24	1101.15	
310	1328.50	1395.32	
315	1616.45	1697.60	
320	1890.04	1984.82	
325	2125.32	2231.84	
330	2299.79	2415.00	
335	2395.71	2515.71	
340	2402.97	2523.33	
345	2320.61	2436.87	
350	2156.97	2265.07	
355	1928.24	2024.92	

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission