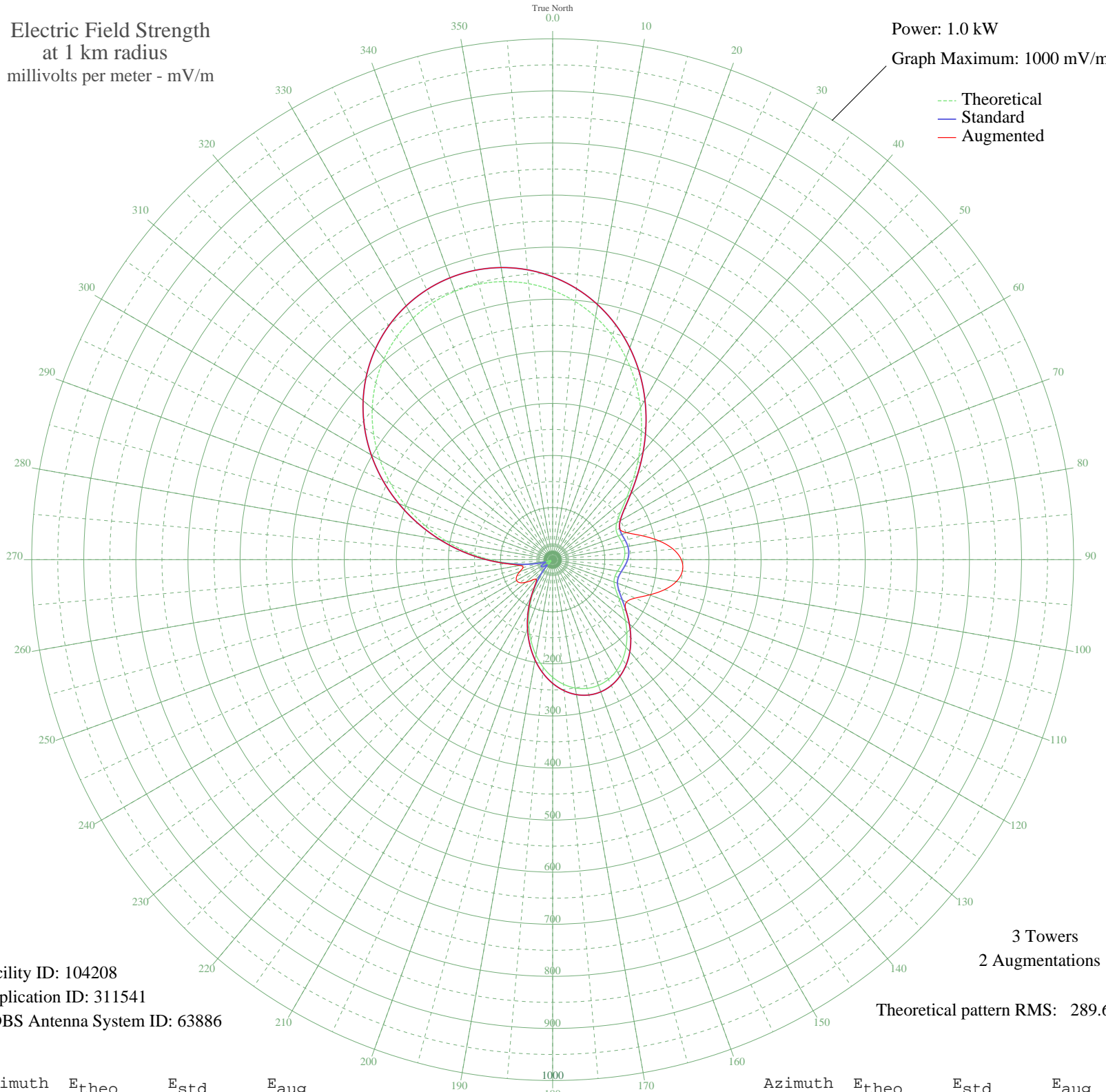


# CJTN TRENTON, ON Canada -- 1270 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 104208  
Application ID: 311541  
CDBS Antenna System ID: 63886

3 Towers  
2 Augmentations

Theoretical pattern RMS: 289.68

Azimuth	Etheo	Estd	Eaug
0	517.07	543.08	543.08
5	497.47	522.51	522.51
10	473.28	497.12	497.12
15	444.69	467.11	467.11
20	412.05	432.86	432.86
25	375.96	394.97	394.97
30	337.23	354.34	354.34
35	297.05	312.18	312.18
40	256.96	270.13	270.13
45	218.94	230.26	230.26
50	185.41	195.13	195.13
55	159.06	167.53	167.53
60	142.03	149.71	149.71
65	134.51	141.85	141.85
70	134.01	141.32	151.21
75	136.63	144.06	177.62
80	139.01	146.55	207.52
85	139.15	146.70	232.17
90	136.52	143.95	246.99
95	131.81	139.02	250.00
100	126.74	133.72	241.17
105	123.79	130.64	222.37
110	125.45	132.38	197.76
115	133.10	140.37	174.64
120	146.37	154.25	163.35
125	163.55	172.23	172.23
130	182.58	192.16	192.16
135	201.60	212.09	212.09
140	219.15	230.48	230.48
145	234.12	246.18	246.18
150	245.73	258.36	258.36
155	253.44	266.44	266.44
160	256.87	270.04	270.04
165	255.84	268.95	268.95
170	250.25	263.09	263.09
175	240.18	252.53	252.53

Azimuth	Etheo	Estd	Eaug
180	225.80	237.46	237.46
185	207.43	218.20	218.20
190	185.53	195.25	195.25
195	160.73	169.28	169.28
200	133.82	141.12	141.12
205	105.77	111.83	111.83
210	77.70	82.64	82.64
215	50.88	55.02	58.41
220	26.67	30.94	48.91
225	7.03	15.08	55.66
230	10.18	16.95	67.77
235	18.98	23.88	76.98
240	21.00	25.68	80.00
245	15.53	20.95	76.12
250	3.59	13.68	67.03
255	19.37	24.22	58.80
260	47.26	51.34	63.80
265	81.41	86.48	88.68
270	120.55	127.26	127.26
275	163.32	171.98	171.98
280	208.26	219.07	219.07
285	253.94	266.96	266.96
290	298.99	314.22	314.22
295	342.23	359.58	359.58
300	382.64	401.99	401.99
305	419.46	440.63	440.63
310	452.09	474.88	474.88
315	480.18	504.36	504.36
320	503.50	528.84	528.84
325	521.98	548.23	548.23
330	535.59	562.52	562.52
335	544.37	571.74	571.74
340	548.37	575.94	575.94
345	547.63	575.16	575.16
350	542.16	569.42	569.42
355	531.97	558.73	558.73

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission