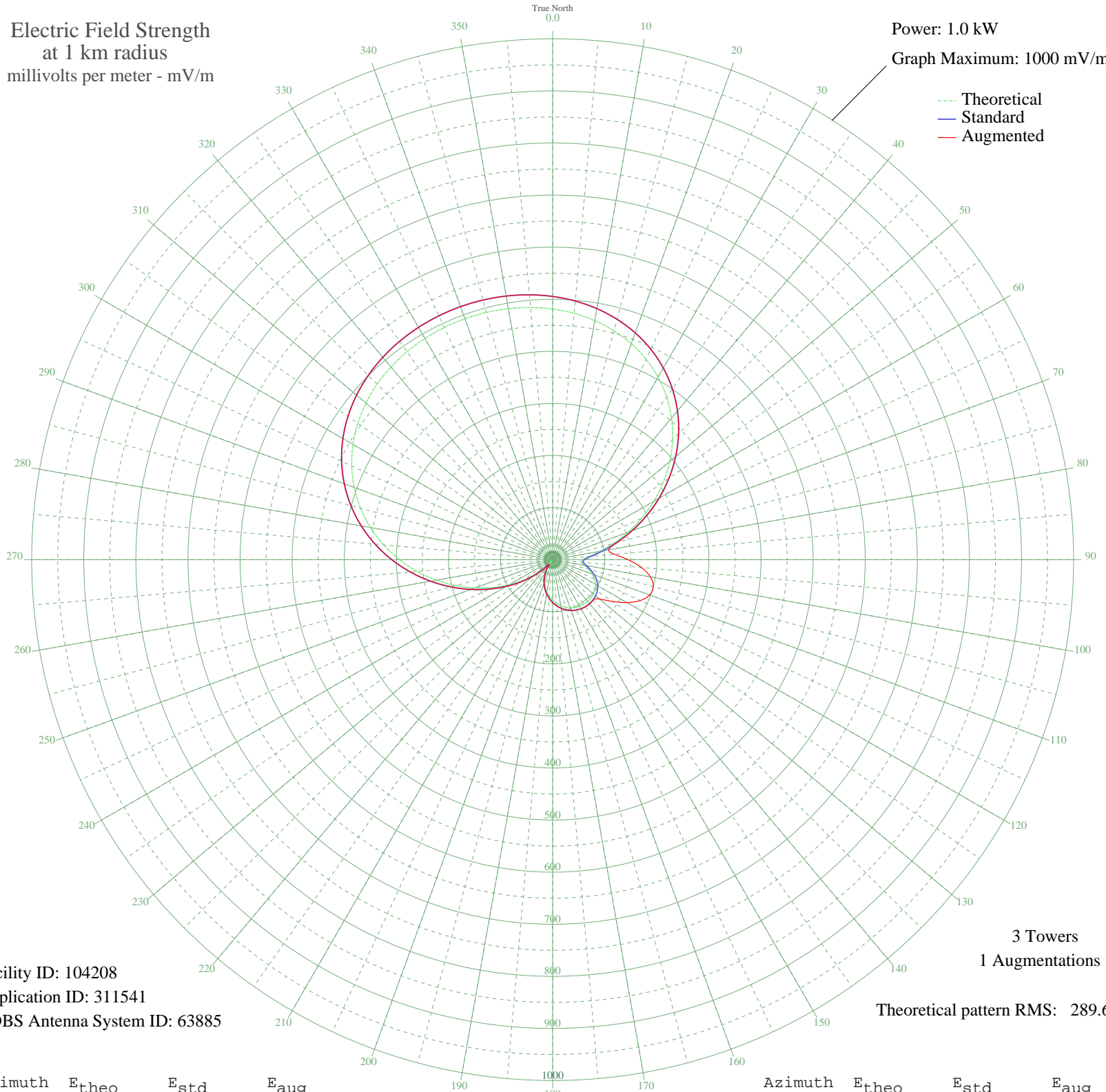


CJTN TRENTON, ON Canada -- 1270 kHz

Daytime

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: 63885

3 Towers
1 Augmentations

Theoretical pattern RMS: 289.68

Azimuth	Etheo	Estd	Eaug
0	481.17	505.34	505.34
5	474.59	498.43	498.43
10	465.96	489.37	489.37
15	454.93	477.79	477.79
20	441.19	463.37	463.37
25	424.46	445.80	445.80
30	404.53	424.88	424.88
35	381.31	400.51	400.51
40	354.86	372.75	372.75
45	325.42	341.85	341.85
50	293.39	308.23	308.23
55	259.37	272.54	272.54
60	224.15	235.59	235.59
65	188.66	198.38	198.38
70	154.02	162.06	162.06
75	121.50	128.01	128.01
80	92.78	97.98	109.08
85	70.22	74.47	118.84
90	57.10	60.86	144.43
95	55.32	59.03	170.93
100	61.74	65.67	190.59
105	71.15	75.44	200.00
110	80.42	85.09	198.12
115	88.31	93.32	185.58
120	94.47	99.75	164.63
125	98.96	104.44	139.59
130	102.00	107.61	117.81
135	103.79	109.48	109.48
140	104.52	110.25	110.25
145	104.31	110.03	110.03
150	103.20	108.87	108.87
155	101.21	106.78	106.78
160	98.31	103.75	103.75
165	94.49	99.77	99.77
170	89.76	94.83	94.83
175	84.16	88.99	88.99

Azimuth	Etheo	Estd	Eaug
180	77.74	82.30	82.30
185	70.57	74.84	74.84
190	62.71	66.68	66.68
195	54.16	57.83	57.83
200	44.82	48.22	48.22
205	34.49	37.71	37.71
210	22.86	26.20	26.20
215	9.56	14.53	14.53
220	6.48	12.51	12.51
225	24.49	27.77	27.77
230	45.57	48.99	48.99
235	69.72	73.96	73.96
240	96.84	102.23	102.23
245	126.65	133.40	133.40
250	158.65	166.91	166.91
255	192.17	202.05	202.05
260	226.45	238.01	238.01
265	260.66	273.89	273.89
270	293.98	308.85	308.85
275	325.65	342.09	342.09
280	355.04	372.94	372.94
285	381.67	400.89	400.89
290	405.22	425.61	425.61
295	425.53	446.93	446.93
300	442.63	464.88	464.88
305	456.65	479.60	479.60
310	467.83	491.33	491.33
315	476.46	500.40	500.40
320	482.89	507.14	507.14
325	487.42	511.90	511.90
330	490.35	514.97	514.97
335	491.89	516.60	516.60
340	492.21	516.93	516.93
345	491.36	516.04	516.04
350	489.33	513.90	513.90
355	486.00	510.40	510.40

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission