

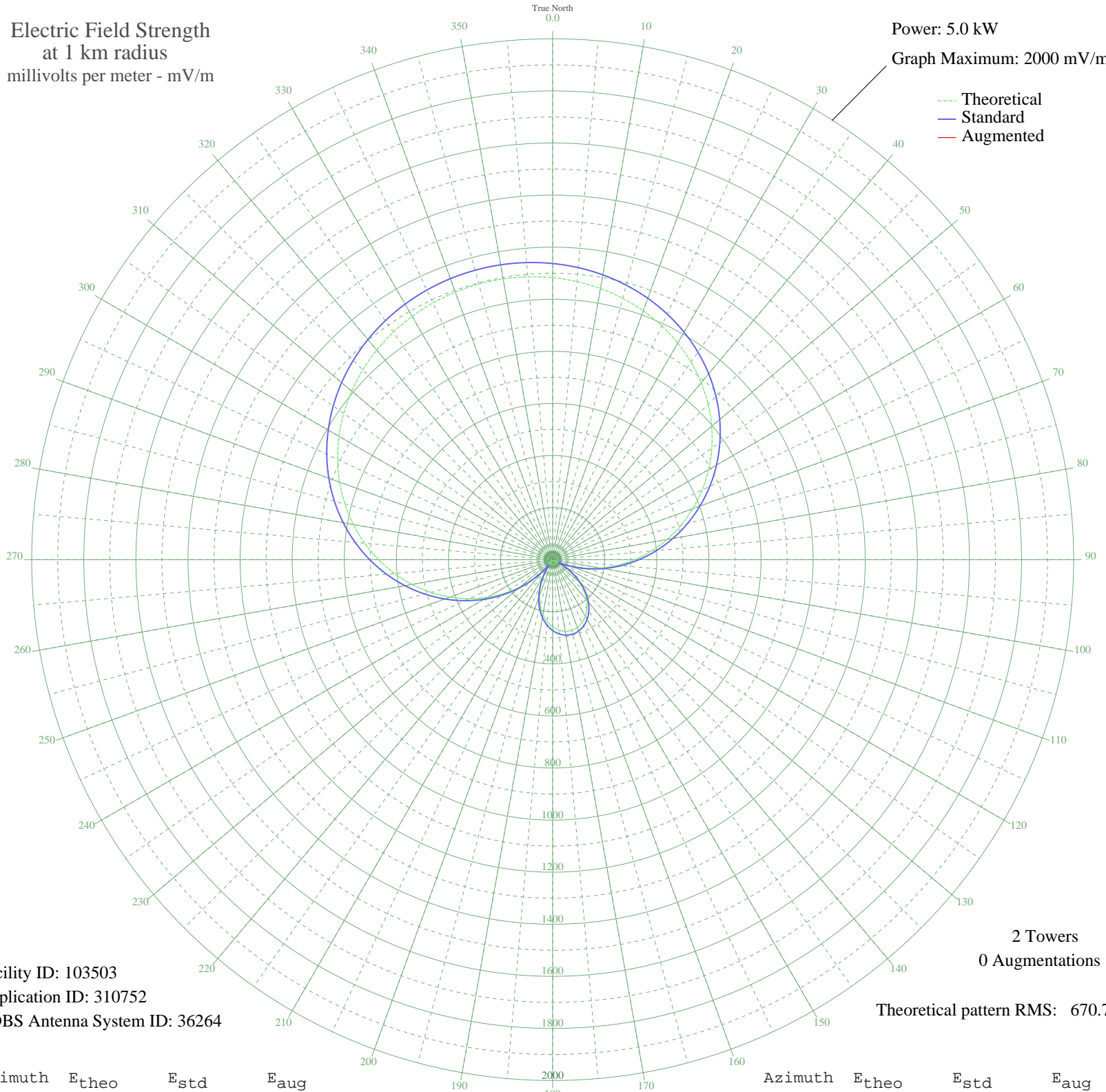
# XECCC TONALA, JA Mexico -- 1440 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 103503  
Application ID: 310752  
CDBS Antenna System ID: 36264

2 Towers  
0 Augmentations

Theoretical pattern RMS: 670.71

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1082.77	1137.17	
5	1071.79	1125.64	
10	1057.25	1110.37	
15	1039.00	1091.22	
20	1016.89	1068.01	
25	990.76	1040.57	
30	960.48	1008.79	
35	925.96	972.55	
40	887.16	931.83	
45	844.13	886.66	
50	796.98	837.17	
55	745.91	783.58	
60	691.23	726.19	
65	633.33	665.44	
70	572.70	601.82	
75	509.90	535.93	
80	445.55	468.45	
85	380.35	400.09	
90	314.99	331.62	
95	250.21	263.83	
100	186.72	197.54	
105	125.22	133.68	
110	66.36	73.74	
115	10.74	26.62	
120	41.10	49.43	
125	88.69	96.20	
130	131.63	140.30	
135	169.58	179.69	
140	202.27	213.75	
145	229.49	242.17	
150	251.08	264.74	
155	266.92	281.30	
160	276.92	291.77	
165	281.05	296.09	
170	279.28	294.24	
175	271.62	286.22	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	258.11	272.09	
185	238.81	251.91	
190	213.83	225.81	
195	183.30	193.97	
200	147.43	156.66	
205	106.45	114.34	
210	60.67	68.12	
215	10.48	26.50	
220	43.69	51.83	
225	101.33	109.09	
230	161.85	171.64	
235	224.62	237.08	
240	288.97	304.38	
245	354.18	372.67	
250	419.53	441.17	
255	484.31	509.09	
260	547.81	575.70	
265	609.38	640.30	
270	668.43	702.27	
275	724.45	761.06	
280	777.00	816.21	
285	825.75	867.38	
290	870.45	914.29	
295	910.95	956.80	
300	947.18	994.83	
305	979.15	1028.39	
310	1006.93	1057.55	
315	1030.63	1082.43	
320	1050.40	1103.19	
325	1066.41	1119.99	
330	1078.80	1132.99	
335	1087.72	1142.36	
340	1093.28	1148.19	
345	1095.55	1150.59	
350	1094.58	1149.56	
355	1090.34	1145.11	

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission