

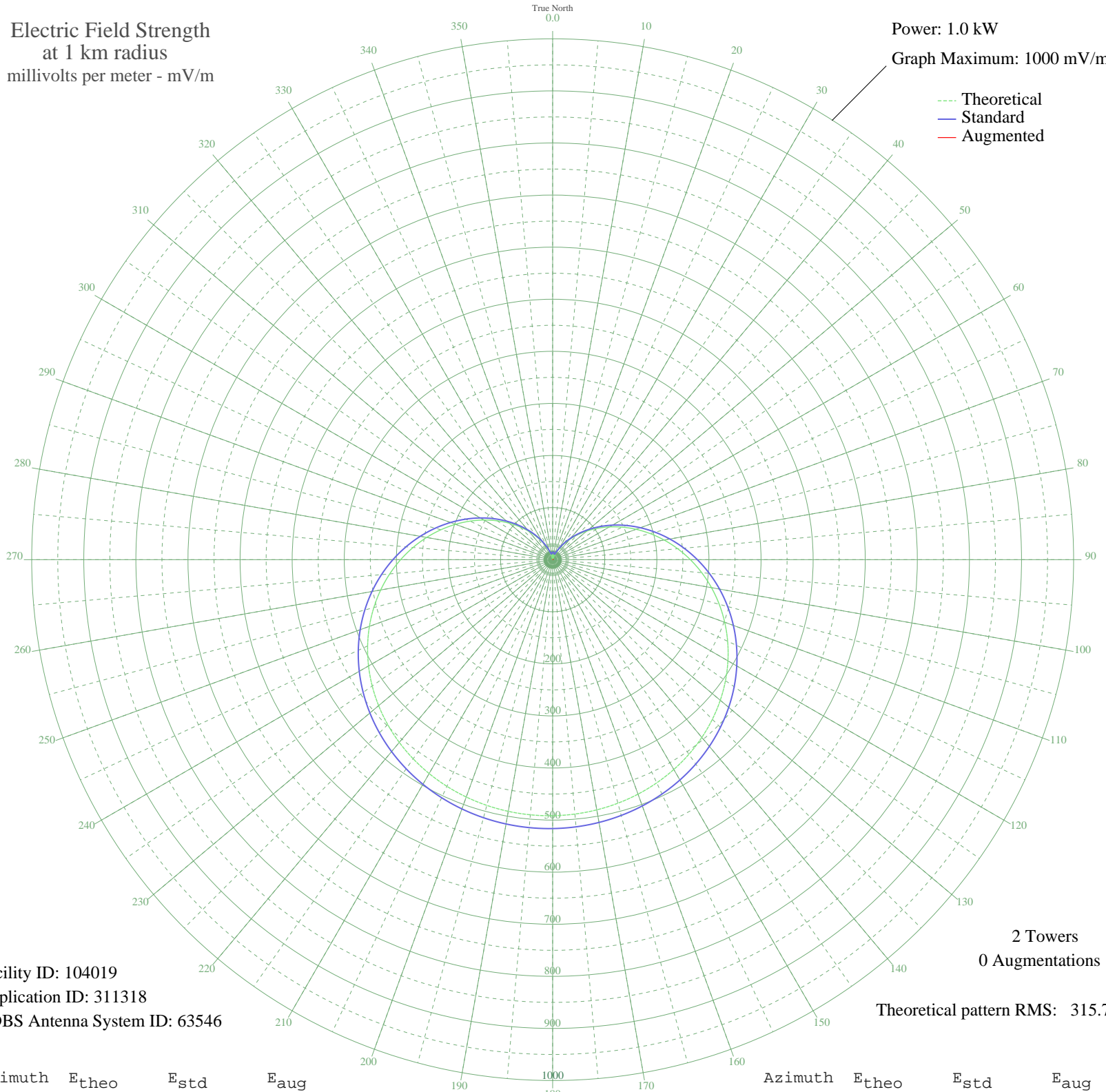
# XEART ZACATEPEC, ML Mexico -- 1590 kHz

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: 104019  
Application ID: 311318  
CDBS Antenna System ID: 63546

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 315.75

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	9.60	14.67	
5	9.83	14.83	
10	7.77	13.42	
15	3.45	11.25	
20	3.11	11.14	
25	11.86	16.39	
30	22.72	26.13	
35	35.61	38.88	
40	50.41	54.00	
45	67.00	71.15	
50	85.20	90.10	
55	104.86	110.61	
60	125.76	132.47	
65	147.69	155.44	
70	170.41	179.25	
75	193.69	203.65	
80	217.27	228.38	
85	240.89	253.16	
90	264.31	277.73	
95	287.29	301.84	
100	309.60	325.25	
105	331.04	347.75	
110	351.43	369.16	
115	370.63	389.31	
120	388.51	408.07	
125	404.98	425.37	
130	419.99	441.12	
135	433.51	455.31	
140	445.52	467.92	
145	456.05	478.97	
150	465.12	488.49	
155	472.78	496.54	
160	479.08	503.15	
165	484.07	508.39	
170	487.80	512.30	
175	490.29	514.92	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	491.59	516.28	
185	491.71	516.41	
190	490.65	515.29	
195	488.39	512.92	
200	484.92	509.28	
205	480.19	504.31	
210	474.15	497.97	
215	466.76	490.22	
220	457.98	480.99	
225	447.74	470.25	
230	436.03	457.95	
235	422.81	444.08	
240	408.10	428.64	
245	391.92	411.65	
250	374.31	393.17	
255	355.37	373.29	
260	335.21	352.13	
265	313.96	329.83	
270	291.81	306.58	
275	268.95	282.60	
280	245.60	258.10	
285	222.00	233.34	
290	198.39	208.58	
295	175.03	184.09	
300	152.17	160.14	
305	130.07	136.98	
310	108.94	114.88	
315	89.02	94.08	
320	70.51	74.80	
325	53.59	57.27	
330	38.42	41.73	
335	25.14	28.47	
340	13.87	18.04	
345	4.69	11.73	
350	2.31	10.92	
355	7.09	12.99	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission