

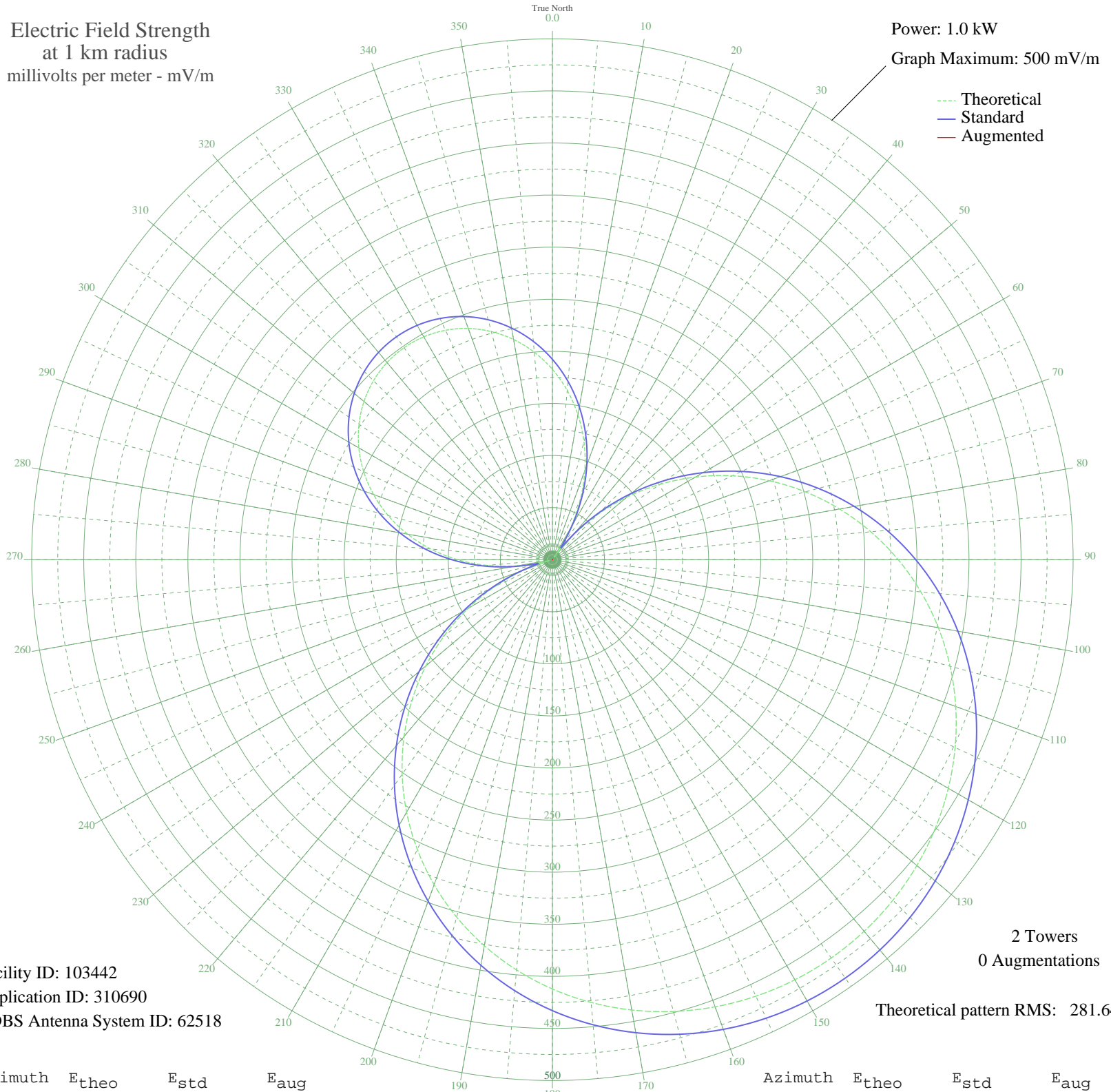
# XEEW MATAMOROS, TA Mexico -- 1420 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 103442  
Application ID: 310690  
CDBS Antenna System ID: 62518

2 Towers  
0 Augmentations

Theoretical pattern RMS: 281.64

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	182.75	192.36	
5	163.13	171.82	
10	141.22	148.89	
15	117.16	123.75	
20	91.11	96.61	
25	63.29	67.81	
30	33.94	38.10	
35	3.30	13.92	
40	28.33	32.65	
45	60.65	65.09	
50	93.35	98.94	
55	126.11	133.10	
60	158.60	167.08	
65	190.52	200.50	
70	221.57	233.04	
75	251.48	264.40	
80	280.00	294.31	
85	306.91	322.54	
90	332.04	348.90	
95	355.22	373.22	
100	376.35	395.39	
105	395.33	415.32	
110	412.12	432.93	
115	426.67	448.20	
120	438.96	461.11	
125	449.01	471.65	
130	456.81	479.84	
135	462.37	485.67	
140	465.70	489.17	
145	466.81	490.33	
150	465.70	489.17	
155	462.37	485.67	
160	456.81	479.84	
165	449.01	471.65	
170	438.96	461.11	
175	426.67	448.20	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	412.12	432.93	
185	395.33	415.32	
190	376.35	395.39	
195	355.22	373.22	
200	332.04	348.90	
205	306.91	322.54	
210	280.00	294.31	
215	251.48	264.40	
220	221.57	233.04	
225	190.52	200.50	
230	158.60	167.08	
235	126.11	133.10	
240	93.35	98.94	
245	60.65	65.09	
250	28.33	32.66	
255	3.30	13.92	
260	33.94	38.10	
265	63.29	67.81	
270	91.11	96.61	
275	117.16	123.75	
280	141.22	148.89	
285	163.13	171.82	
290	182.75	192.36	
295	199.94	210.37	
300	214.62	225.75	
305	226.71	238.43	
310	236.17	248.34	
315	242.95	255.45	
320	247.02	259.72	
325	248.38	261.15	
330	247.02	259.72	
335	242.95	255.45	
340	236.17	248.34	
345	226.71	238.43	
350	214.62	225.75	
355	199.94	210.37	

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