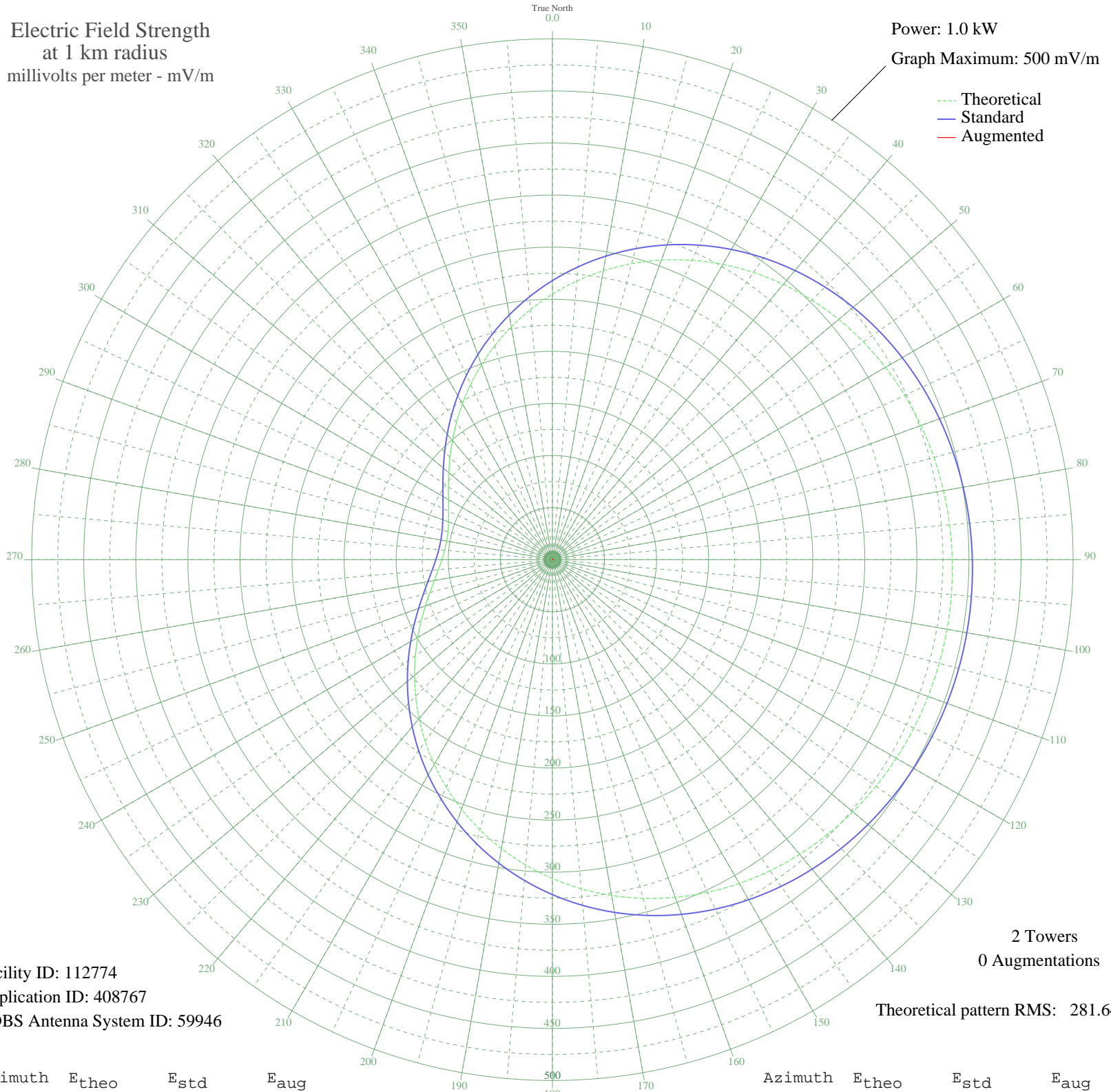


# XEQG1 QUERETARO, QE Mexico -- 980 kHz

Nighttime

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: 112774  
Application ID: 408767  
CDBS Antenna System ID: 59946

2 Towers  
0 Augmentations

Theoretical pattern RMS: 281.64

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	254.90	267.86	
5	268.50	282.12	
10	281.64	295.91	
15	294.19	309.08	
20	306.05	321.52	
25	317.11	333.13	
30	327.30	343.83	
35	336.59	353.57	
40	344.94	362.34	
45	352.35	370.12	
50	358.85	376.94	
55	364.46	382.83	
60	369.25	387.85	
65	373.26	392.06	
70	376.56	395.52	
75	379.21	398.31	
80	381.28	400.48	
85	382.83	402.11	
90	383.90	403.23	
95	384.52	403.88	
100	384.73	404.10	
105	384.52	403.88	
110	383.90	403.23	
115	382.83	402.11	
120	381.28	400.48	
125	379.21	398.31	
130	376.56	395.52	
135	373.26	392.06	
140	369.25	387.85	
145	364.46	382.83	
150	358.85	376.94	
155	352.35	370.12	
160	344.94	362.34	
165	336.59	353.57	
170	327.30	343.83	
175	317.11	333.13	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	306.05	321.52	
185	294.19	309.08	
190	281.64	295.91	
195	268.50	282.12	
200	254.90	267.86	
205	241.01	253.28	
210	226.97	238.55	
215	212.96	223.85	
220	199.15	209.37	
225	185.72	195.28	
230	172.83	181.77	
235	160.65	169.01	
240	149.33	157.14	
245	139.00	146.33	
250	129.80	136.69	
255	121.83	128.35	
260	115.18	121.40	
265	109.93	115.91	
270	106.14	111.95	
275	103.85	109.55	
280	103.09	108.75	
285	103.85	109.55	
290	106.14	111.95	
295	109.93	115.91	
300	115.18	121.40	
305	121.83	128.35	
310	129.80	136.69	
315	139.00	146.33	
320	149.33	157.14	
325	160.65	169.01	
330	172.83	181.77	
335	185.72	195.28	
340	199.15	209.37	
345	212.96	223.85	
350	226.97	238.55	
355	241.01	253.28	

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission