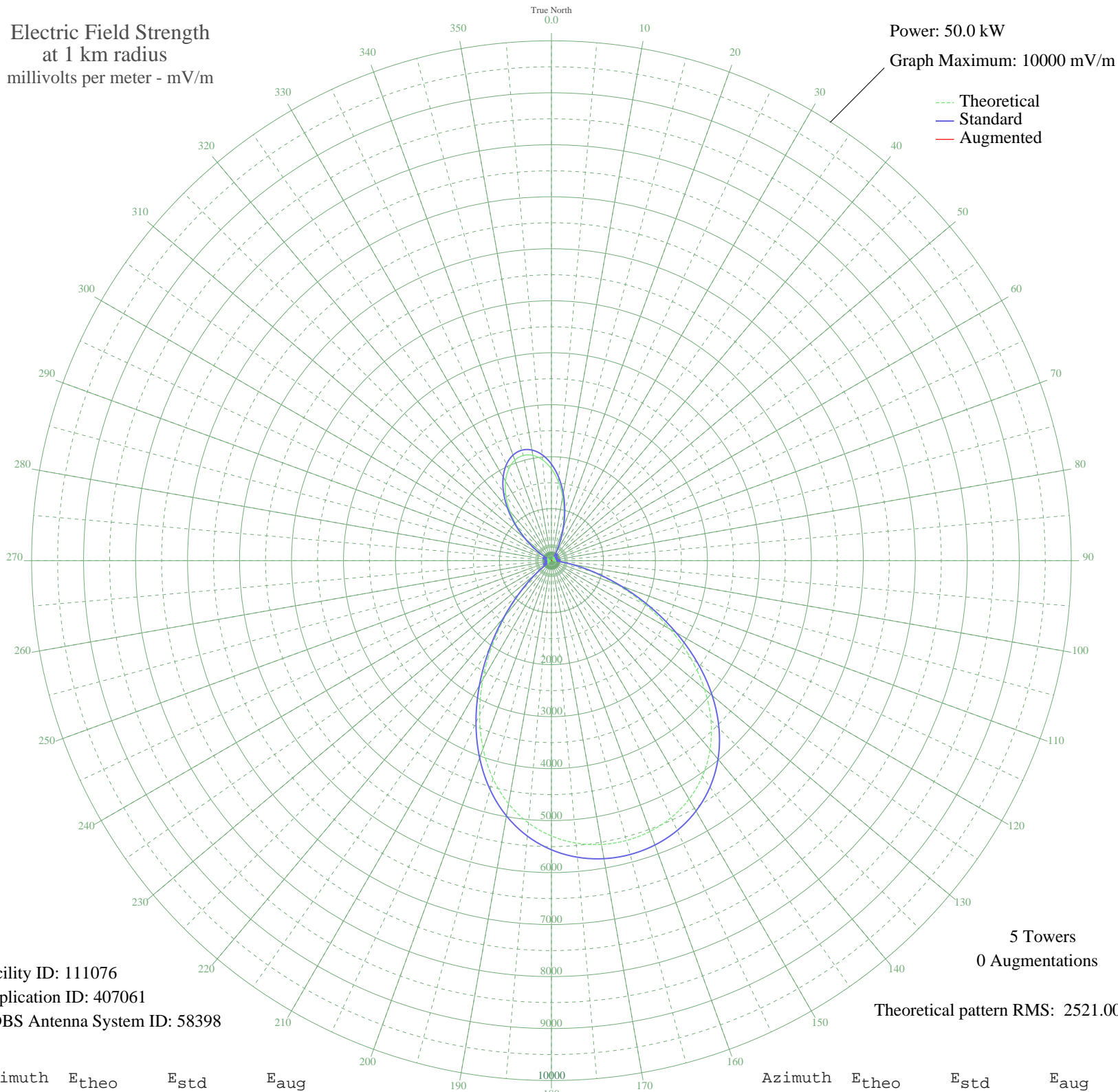


# XETRA1 TIJUANA, BN Mexico -- 690 kHz

Nighttime

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

Power: 50.0 kW  
Graph Maximum: 10000 mV/m



Facility ID: 111076  
Application ID: 407061  
CDBS Antenna System ID: 58398

5 Towers  
0 Augmentations  
Theoretical pattern RMS: 2521.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1766.82	1857.03	
5	1528.83	1607.43	
10	1245.99	1310.94	
15	937.72	988.12	
20	628.30	664.96	
25	345.29	372.01	
30	119.11	150.30	
35	69.45	110.75	
40	136.89	166.15	
45	136.09	165.43	
50	80.23	118.52	
55	20.49	86.09	
60	75.95	115.36	
65	102.82	136.39	
70	75.84	115.28	
75	20.16	86.00	
80	89.90	125.93	
85	142.71	171.47	
90	114.42	146.23	
95	70.60	111.56	
100	358.03	385.06	
105	799.87	843.99	
110	1356.86	1427.14	
115	1985.81	2086.76	
120	2638.48	2771.66	
125	3269.99	3434.50	
130	3845.09	4038.21	
135	4341.05	4558.86	
140	4747.46	4985.53	
145	5063.81	5317.66	
150	5296.05	5561.48	
155	5452.94	5726.20	
160	5543.03	5820.78	
165	5572.34	5851.56	
170	5543.03	5820.78	
175	5452.95	5726.20	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	5296.05	5561.48	
185	5063.82	5317.66	
190	4747.46	4985.53	
195	4341.05	4558.87	
200	3845.09	4038.21	
205	3270.00	3434.51	
210	2638.49	2771.66	
215	1985.82	2086.77	
220	1356.86	1427.14	
225	799.87	843.99	
230	358.04	385.07	
235	70.61	111.56	
240	114.42	146.22	
245	142.71	171.47	
250	89.90	125.93	
255	20.16	86.00	
260	75.84	115.28	
265	102.82	136.39	
270	75.95	115.36	
275	20.49	86.09	
280	80.23	118.52	
285	136.09	165.43	
290	136.89	166.15	
295	69.45	110.75	
300	119.11	150.30	
305	345.28	372.01	
310	628.30	664.96	
315	937.71	988.12	
320	1245.98	1310.93	
325	1528.83	1607.43	
330	1766.82	1857.03	
335	1945.83	2044.82	
340	2056.62	2161.06	
345	2094.09	2200.38	
350	2056.62	2161.06	
355	1945.83	2044.82	

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