

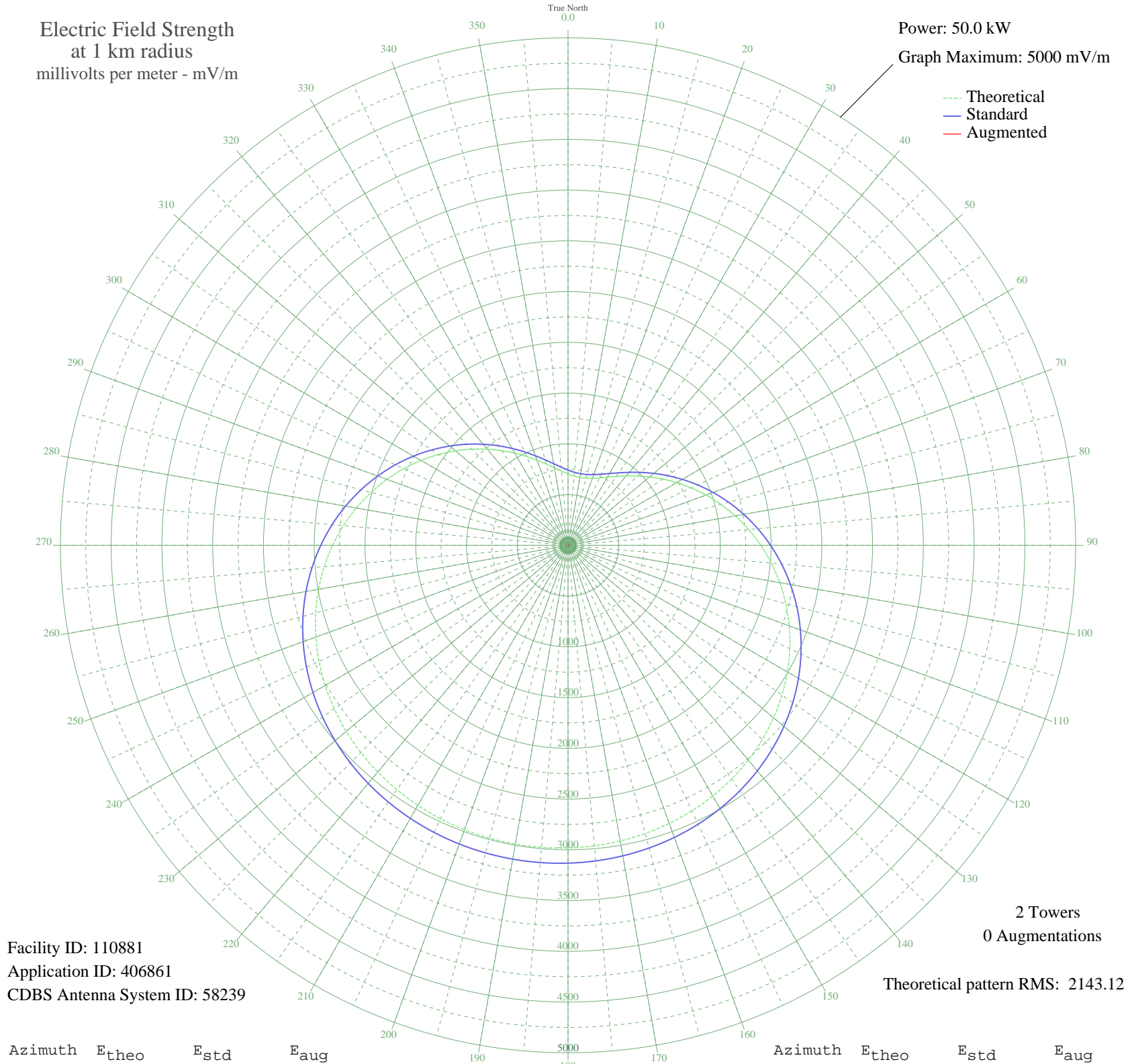
XENQ1 TULANCINGO, HG Mexico -- 640 kHz

Daytime

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

Power: 50.0 kW
Graph Maximum: 5000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 110881
Application ID: 406861
CDBS Antenna System ID: 58239

2 Towers
0 Augmentations
Theoretical pattern RMS: 2143.12

Azimuth	E _{theo}	E _{std}	E _{aug}
0	702.67	741.53	
5	684.45	722.50	
10	678.36	716.13	
15	684.45	722.50	
20	702.67	741.53	
25	732.84	773.05	
30	774.62	816.74	
35	827.59	872.13	
40	891.16	938.66	
45	964.63	1015.58	
50	1047.17	1102.03	
55	1137.81	1197.01	
60	1235.50	1299.40	
65	1339.05	1407.96	
70	1447.19	1521.37	
75	1558.61	1638.23	
80	1671.94	1757.11	
85	1785.81	1876.56	
90	1898.85	1995.18	
95	2009.79	2111.58	
100	2117.41	2224.52	
105	2220.62	2332.83	
110	2318.47	2435.52	
115	2410.18	2531.78	
120	2495.15	2620.96	
125	2572.94	2702.61	
130	2643.32	2776.48	
135	2706.22	2842.50	
140	2761.72	2900.76	
145	2810.05	2951.49	
150	2851.54	2995.04	
155	2886.60	3031.84	
160	2915.69	3062.38	
165	2939.29	3087.15	
170	2957.85	3106.64	
175	2971.81	3121.28	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	2981.51	3131.46	
185	2987.22	3137.46	
190	2989.10	3139.43	
195	2987.22	3137.46	
200	2981.51	3131.46	
205	2971.81	3121.28	
210	2957.85	3106.63	
215	2939.29	3087.15	
220	2915.69	3062.37	
225	2886.60	3031.84	
230	2851.54	2995.04	
235	2810.05	2951.49	
240	2761.72	2900.76	
245	2706.22	2842.50	
250	2643.32	2776.48	
255	2572.94	2702.61	
260	2495.15	2620.96	
265	2410.18	2531.78	
270	2318.47	2435.52	
275	2220.61	2332.83	
280	2117.41	2224.52	
285	2009.79	2111.58	
290	1898.85	1995.18	
295	1785.80	1876.56	
300	1671.94	1757.11	
305	1558.61	1638.23	
310	1447.19	1521.36	
315	1339.05	1407.96	
320	1235.50	1299.40	
325	1137.81	1197.01	
330	1047.16	1102.03	
335	964.63	1015.58	
340	891.16	938.66	
345	827.59	872.13	
350	774.62	816.73	
355	732.84	773.05	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission