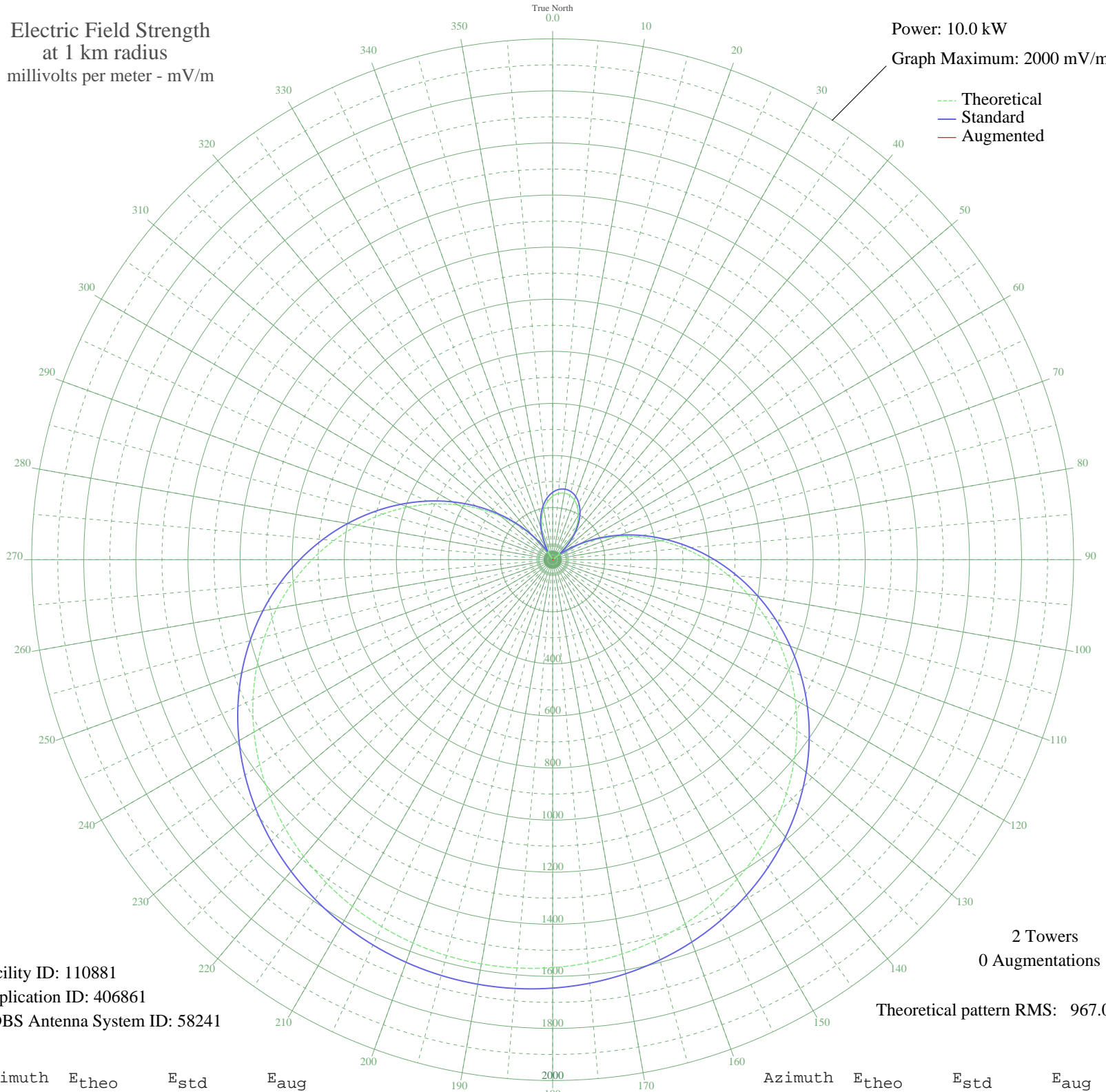


# XENQ1 TULANCINGO, HG Mexico -- 640 kHz

Nighttime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 110881  
Application ID: 406861  
CDBS Antenna System ID: 58241

2 Towers  
0 Augmentations

Theoretical pattern RMS: 967.05

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	243.64	258.47	
5	255.40	270.69	
10	259.32	274.77	
15	255.40	270.69	
20	243.64	258.47	
25	224.14	238.22	
30	197.00	210.12	
35	162.42	174.48	
40	120.62	131.91	
45	71.92	84.04	
50	16.69	40.83	
55	44.62	59.62	
60	111.47	122.71	
65	183.26	195.93	
70	259.32	274.77	
75	338.89	357.74	
80	421.18	443.77	
85	505.34	531.88	
90	590.49	621.11	
95	675.76	710.51	
100	760.29	799.15	
105	843.23	886.16	
110	923.80	970.70	
115	1001.30	1052.01	
120	1075.08	1129.43	
125	1144.61	1202.40	
130	1209.44	1270.45	
135	1269.25	1333.22	
140	1323.79	1390.47	
145	1372.93	1442.04	
150	1416.58	1487.87	
155	1454.76	1527.95	
160	1487.53	1562.34	
165	1514.97	1591.15	
170	1537.21	1614.49	
175	1554.35	1632.48	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1566.51	1645.24	
185	1573.76	1652.86	
190	1576.18	1655.40	
195	1573.76	1652.86	
200	1566.51	1645.24	
205	1554.35	1632.48	
210	1537.21	1614.49	
215	1514.97	1591.15	
220	1487.53	1562.34	
225	1454.76	1527.95	
230	1416.58	1487.87	
235	1372.93	1442.04	
240	1323.79	1390.47	
245	1269.25	1333.22	
250	1209.44	1270.45	
255	1144.61	1202.40	
260	1075.08	1129.43	
265	1001.30	1052.01	
270	923.80	970.69	
275	843.23	886.16	
280	760.29	799.15	
285	675.76	710.51	
290	590.49	621.11	
295	505.33	531.88	
300	421.18	443.77	
305	338.89	357.74	
310	259.32	274.77	
315	183.26	195.93	
320	111.47	122.71	
325	44.61	59.62	
330	16.69	40.83	
335	71.92	84.04	
340	120.62	131.91	
345	162.42	174.48	
350	197.00	210.12	
355	224.14	238.22	