

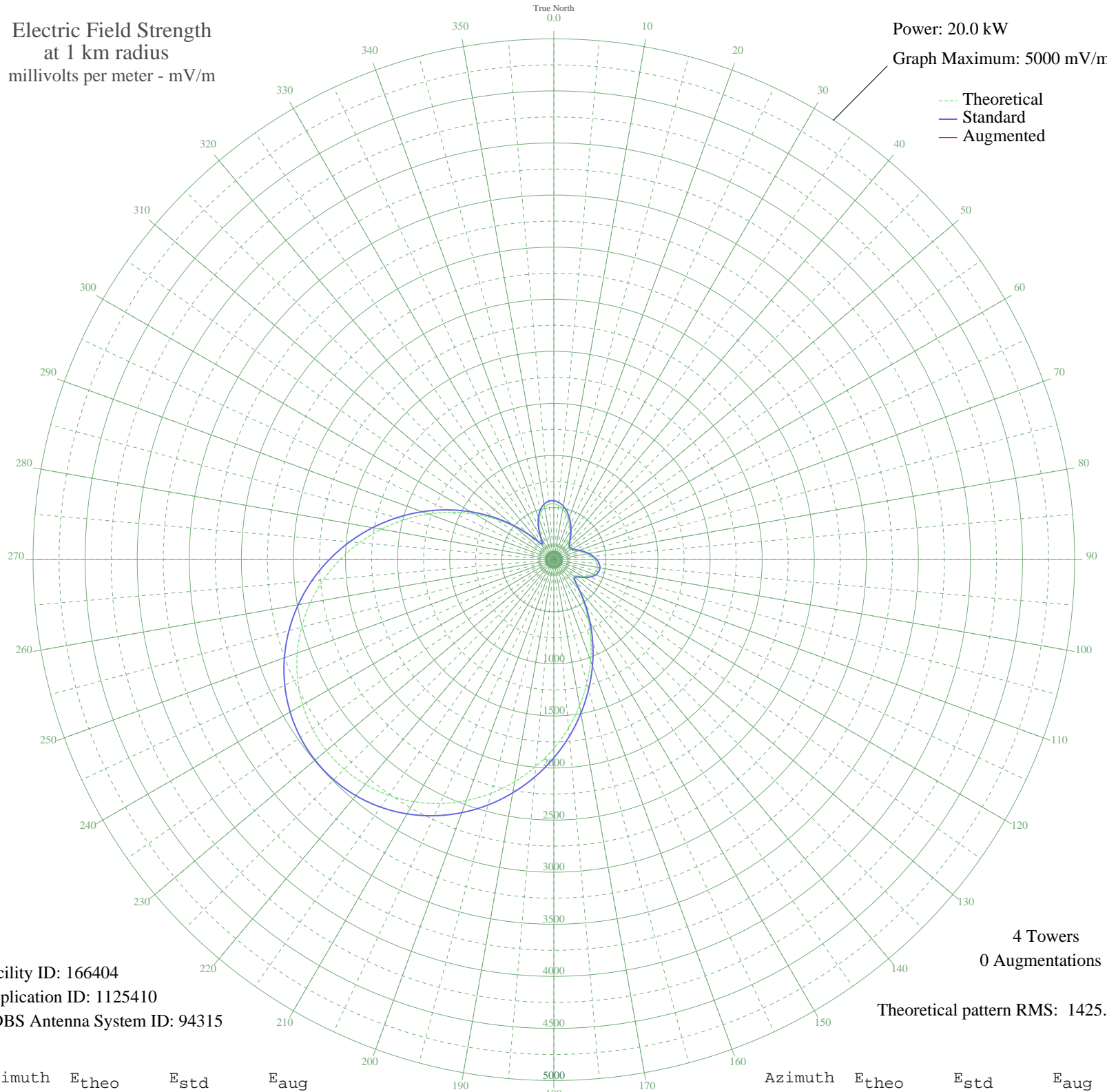
# XECAQ PUERTO MORELOS, QR Mexico -- 740 kHz

Daytime

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

Power: 20.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 166404  
Application ID: 1125410  
CDBS Antenna System ID: 94315

4 Towers  
0 Augmentations

Theoretical pattern RMS: 1425.54

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	536.81	565.61	
5	522.52	550.65	
10	494.27	521.11	
15	455.38	480.45	
20	409.43	432.46	
25	360.09	381.00	
30	310.98	329.88	
35	265.47	282.68	
40	226.74	242.66	
45	197.71	212.84	
50	181.02	195.79	
55	178.42	193.13	
60	189.77	204.72	
65	213.00	228.53	
70	244.97	261.47	
75	282.23	300.04	
80	321.30	340.62	
85	358.61	379.45	
90	390.58	412.79	
95	413.80	437.03	
100	425.19	448.91	
105	422.28	445.87	
110	403.60	426.37	
115	369.30	390.60	
120	322.56	341.93	
125	273.21	290.69	
130	245.00	261.51	
135	272.58	290.03	
140	364.09	385.17	
145	499.49	526.56	
150	661.71	696.38	
155	840.97	884.27	
160	1030.99	1083.56	
165	1226.95	1289.15	
170	1424.74	1496.71	
175	1620.66	1702.34	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1811.30	1902.45	
185	1993.50	2093.71	
190	2164.34	2273.04	
195	2321.09	2437.59	
200	2461.28	2584.77	
205	2582.67	2712.21	
210	2683.30	2817.85	
215	2761.50	2899.96	
220	2815.97	2957.14	
225	2845.77	2988.43	
230	2850.39	2993.28	
235	2829.73	2971.59	
240	2784.13	2923.71	
245	2714.35	2850.45	
250	2621.52	2752.99	
255	2507.11	2632.89	
260	2372.92	2492.00	
265	2220.96	2332.48	
270	2053.50	2156.68	
275	1872.98	1967.19	
280	1682.04	1766.77	
285	1483.50	1558.39	
290	1280.39	1345.23	
295	1075.93	1130.71	
300	873.68	918.57	
305	677.64	713.07	
310	492.85	519.62	
315	327.56	347.13	
320	202.80	218.05	
325	173.47	188.10	
330	241.18	257.55	
335	330.32	350.00	
340	409.82	432.86	
345	471.46	497.26	
350	512.98	540.67	
355	534.35	563.03	

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