

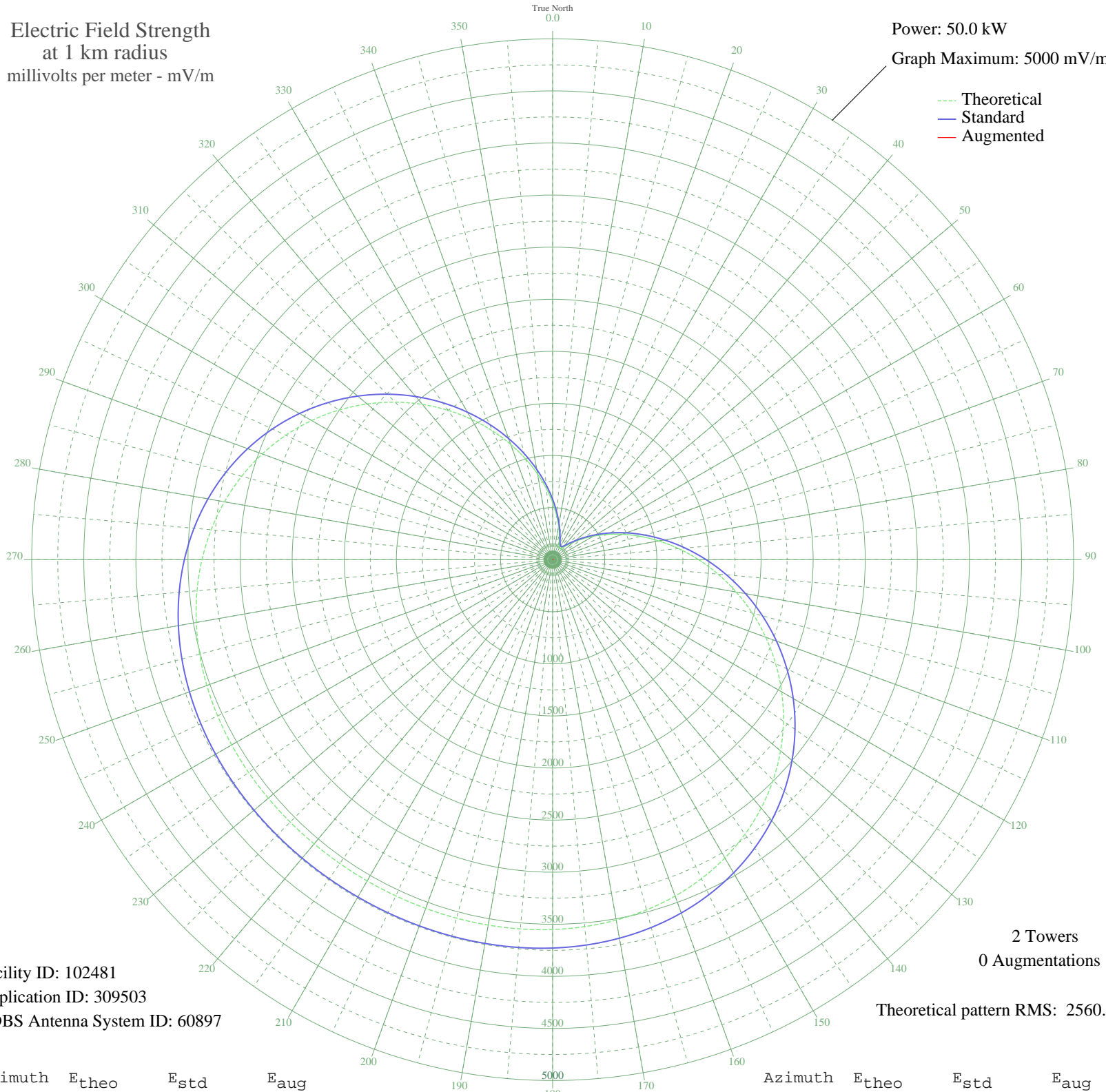
# XEMR SAN NICOLAS DE LOS G, NL Mexico -- 1140 kHz

Nighttime

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: 102481  
Application ID: 309503  
CDBS Antenna System ID: 60897

2 Towers  
0 Augmentations

Theoretical pattern RMS: 2560.47

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	547.39	579.54	
5	428.32	455.82	
10	327.66	351.96	
15	246.44	269.20	
20	185.43	208.38	
25	145.18	169.56	
30	126.04	151.75	
35	128.17	153.70	
40	151.55	175.60	
45	195.99	218.77	
50	261.09	284.02	
55	346.27	371.08	
60	450.70	479.02	
65	573.31	606.53	
70	712.73	752.04	
75	867.31	913.69	
80	1035.08	1089.37	
85	1213.80	1276.65	
90	1400.91	1472.83	
95	1593.66	1674.99	
100	1789.11	1880.03	
105	1984.24	2084.77	
110	2176.03	2286.03	
115	2361.56	2480.75	
120	2538.14	2666.08	
125	2703.36	2839.50	
130	2855.23	2998.91	
135	2992.22	3142.71	
140	3113.30	3269.81	
145	3218.00	3379.72	
150	3306.36	3472.47	
155	3378.92	3548.64	
160	3436.66	3609.26	
165	3480.94	3655.74	
170	3513.39	3689.81	
175	3535.83	3713.37	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	3550.17	3728.41	
185	3558.28	3736.93	
190	3561.97	3740.81	
195	3562.86	3741.74	
200	3562.30	3741.15	
205	3561.36	3740.16	
210	3560.75	3739.52	
215	3560.82	3739.60	
220	3561.53	3740.35	
225	3562.47	3741.33	
230	3562.84	3741.72	
235	3561.51	3740.32	
240	3557.07	3735.66	
245	3547.86	3725.99	
250	3532.06	3709.40	
255	3507.76	3683.90	
260	3473.09	3647.50	
265	3426.24	3598.31	
270	3365.63	3534.69	
275	3289.97	3455.27	
280	3198.38	3359.11	
285	3090.39	3245.76	
290	2966.07	3115.25	
295	2826.00	2968.23	
300	2671.32	2805.87	
305	2503.66	2629.89	
310	2325.09	2442.47	
315	2138.08	2246.21	
320	1945.38	2044.00	
325	1749.94	1838.94	
330	1554.79	1634.22	
335	1362.94	1433.01	
340	1177.29	1238.39	
345	1000.57	1053.22	
350	835.27	880.17	
355	683.57	721.58	

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