

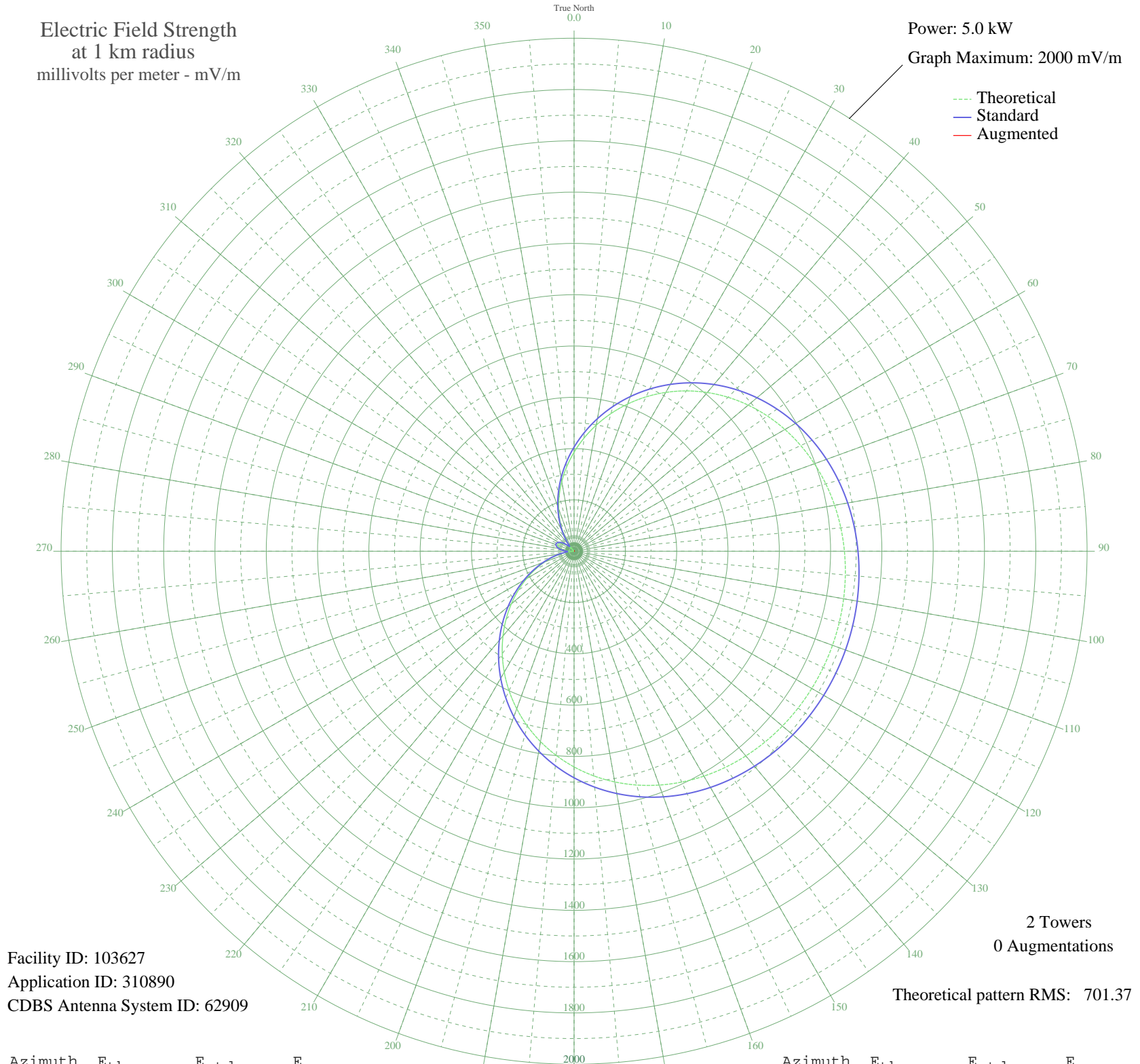
# XEQF LOMA BONITA, OA Mexico -- 1470 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 103627  
Application ID: 310890  
CDBS Antenna System ID: 62909

2 Towers  
0 Augmentations

Theoretical pattern RMS: 701.37

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	385.85	405.82	
5	442.47	465.19	
10	499.29	524.78	
15	555.60	583.85	
20	610.73	641.70	
25	664.04	697.64	
30	714.95	751.07	
35	762.98	801.48	
40	807.72	848.43	
45	848.87	891.62	
50	886.22	930.83	
55	919.69	965.96	
60	949.26	997.00	
65	975.03	1024.05	
70	997.16	1047.28	
75	1015.86	1066.92	
80	1031.39	1083.21	
85	1044.01	1096.47	
90	1054.00	1106.95	
95	1061.62	1114.94	
100	1067.07	1120.67	
105	1070.55	1124.32	
110	1072.17	1126.02	
115	1071.99	1125.84	
120	1070.01	1123.75	
125	1066.14	1119.70	
130	1060.27	1113.53	
135	1052.20	1105.06	
140	1041.71	1094.05	
145	1028.53	1080.21	
150	1012.39	1063.27	
155	993.02	1042.93	
160	970.18	1018.96	
165	943.65	991.11	
170	913.31	959.26	
175	879.06	923.31	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	840.94	883.30	
185	799.05	839.34	
190	753.63	791.66	
195	704.99	740.61	
200	653.55	686.63	
205	599.83	630.26	
210	544.41	572.12	
215	487.94	512.88	
220	431.11	453.27	
225	374.61	394.04	
230	319.16	335.94	
235	265.43	279.68	
240	214.06	225.99	
245	165.67	175.53	
250	120.79	128.98	
255	79.88	87.10	
260	43.37	51.24	
265	11.59	26.44	
270	15.18	28.38	
275	36.73	45.15	
280	52.88	60.29	
285	63.52	70.71	
290	68.58	75.74	
295	68.02	75.18	
300	61.84	69.05	
305	50.09	57.60	
310	32.85	41.72	
315	10.24	25.82	
320	17.55	29.85	
325	50.31	57.80	
330	87.73	95.06	
335	129.46	137.95	
340	175.09	185.33	
345	224.12	236.49	
350	276.00	290.75	
355	330.13	347.43	

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.

17 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission