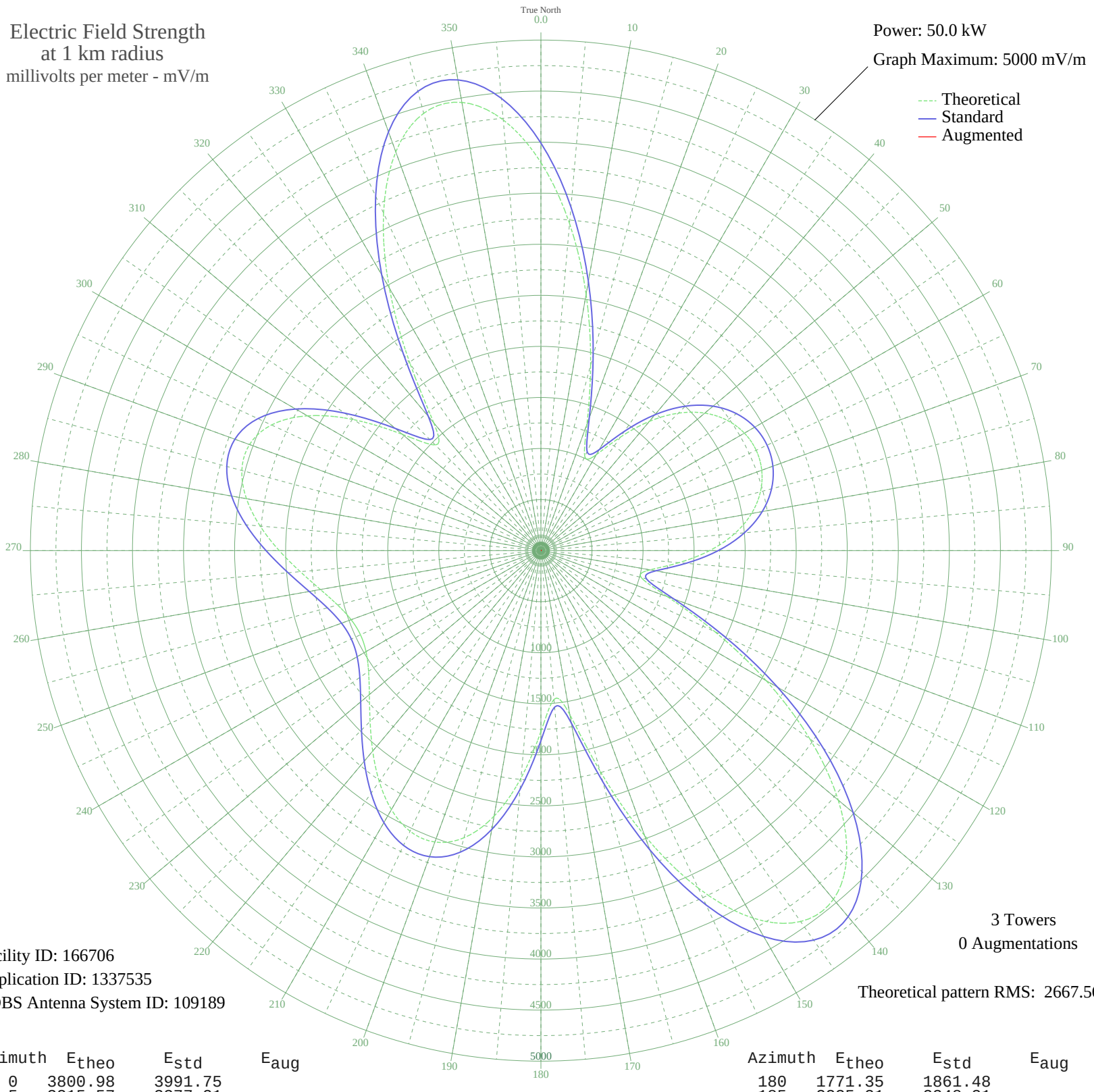
XEPRS RANCHO LOS TRES HERM, BC Mexico -- 1090 kHz

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

3 Towers
0 Augmentations

Facility ID: 166706
Application ID: 1337535
CDBS Antenna System ID: 109189

Theoretical pattern RMS: 2667.56

Azimuth	E_{theo}	E_{std}	E_{aug}
0	3800.98	3991.75	
5	3215.57	3377.21	
10	2548.47	2676.98	
15	1880.99	1976.50	
20	1317.45	1385.41	
25	1016.47	1070.01	
30	1084.54	1141.31	
35	1356.67	1426.53	
40	1652.21	1736.49	
45	1903.73	2000.36	
50	2094.81	2200.86	
55	2225.79	2338.31	
60	2301.47	2417.74	
65	2326.15	2443.65	
70	2301.47	2417.74	
75	2225.79	2338.31	
80	2094.81	2200.86	
85	1903.73	2000.36	
90	1652.21	1736.49	
95	1356.67	1426.53	
100	1084.54	1141.31	
105	1016.47	1070.01	
110	1317.45	1385.41	
115	1880.99	1976.50	
120	2548.47	2676.98	
125	3215.57	3377.21	
130	3800.98	3991.75	
135	4234.03	4446.38	
140	4457.36	4680.85	
145	4434.22	4656.55	
150	4155.83	4364.29	
155	3646.82	3829.92	
160	2969.31	3118.70	
165	2232.94	2345.82	
170	1631.67	1714.94	
175	1462.86	1537.89	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	1771.35	1861.48	
185	2235.31	2348.31	
190	2640.26	2773.32	
195	2911.67	3058.20	
200	3036.97	3189.72	
205	3032.46	3184.99	
210	2928.46	3075.82	
215	2760.39	2899.41	
220	2562.89	2692.11	
225	2366.01	2485.48	
230	2193.19	2304.10	
235	2060.63	2165.00	
240	1978.02	2078.32	
245	1950.05	2048.96	
250	1978.03	2078.32	
255	2060.63	2165.00	
260	2193.19	2304.11	
265	2366.02	2485.48	
270	2562.89	2692.12	
275	2760.39	2899.41	
280	2928.46	3075.82	
285	3032.46	3184.99	
290	3036.97	3189.72	
295	2911.67	3058.20	
300	2640.26	2773.31	
305	2235.31	2348.31	
310	1771.35	1861.47	
315	1462.86	1537.89	
320	1631.67	1714.94	
325	2232.94	2345.83	
330	2969.32	3118.71	
335	3646.83	3829.92	
340	4155.84	4364.29	
345	4434.22	4656.55	
350	4457.36	4680.85	
355	4234.03	4446.38	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission