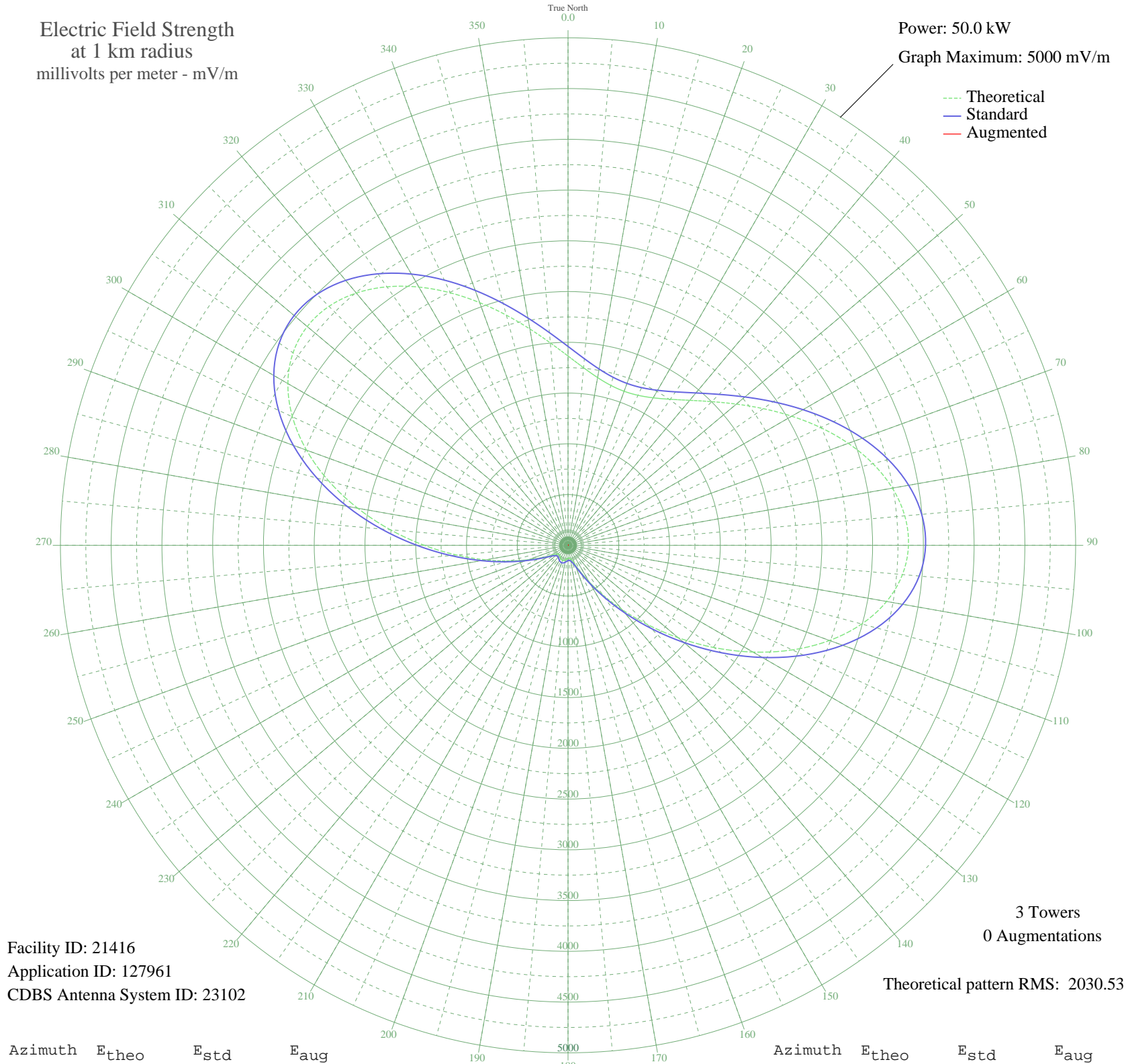


KRPI FERNDALE, WA BL-19890424AI 1550 kHz

Daytime

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

Power: 50.0 kW
Graph Maximum: 5000 mV/m



Facility ID: 21416
Application ID: 127961
CDBS Antenna System ID: 23102

3 Towers
0 Augmentations

Theoretical pattern RMS: 2030.53

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1864.78	1959.42	
5	1756.27	1845.57	
10	1678.02	1763.49	
15	1630.86	1714.02	
20	1615.12	1697.50	
25	1630.86	1714.01	
30	1678.02	1763.49	
35	1756.26	1845.57	
40	1864.77	1959.42	
45	2001.84	2103.25	
50	2164.42	2273.85	
55	2347.61	2466.11	
60	2544.30	2672.55	
65	2744.96	2883.16	
70	2937.75	3085.53	
75	3109.06	3265.36	
80	3244.42	3407.45	
85	3329.85	3497.13	
90	3353.39	3521.84	
95	3306.74	3472.87	
100	3186.54	3346.69	
105	2995.25	3145.89	
110	2741.24	2879.26	
115	2438.11	2561.09	
120	2103.34	2209.75	
125	1756.35	1845.66	
130	1416.45	1489.13	
135	1100.91	1158.34	
140	823.37	867.72	
145	593.00	627.06	
150	414.14	441.14	
155	286.32	309.67	
160	204.08	226.78	
165	156.98	180.78	
170	132.83	158.01	
175	123.43	149.36	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	125.20	150.98	
185	134.66	159.70	
190	146.62	170.92	
195	156.03	179.87	
200	159.55	183.24	
205	156.03	179.87	
210	146.62	170.92	
215	134.66	159.70	
220	125.20	150.98	
225	123.43	149.36	
230	132.83	158.01	
235	156.98	180.78	
240	204.08	226.78	
245	286.32	309.67	
250	414.14	441.14	
255	593.00	627.06	
260	823.37	867.72	
265	1100.91	1158.34	
270	1416.45	1489.13	
275	1756.35	1845.66	
280	2103.34	2209.75	
285	2438.11	2561.09	
290	2741.24	2879.26	
295	2995.25	3145.89	
300	3186.54	3346.69	
305	3306.74	3472.87	
310	3353.39	3521.84	
315	3329.85	3497.13	
320	3244.42	3407.45	
325	3109.06	3265.36	
330	2937.75	3085.53	
335	2744.96	2883.16	
340	2544.30	2672.55	
345	2347.61	2466.11	
350	2164.42	2273.85	
355	2001.84	2103.25	

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