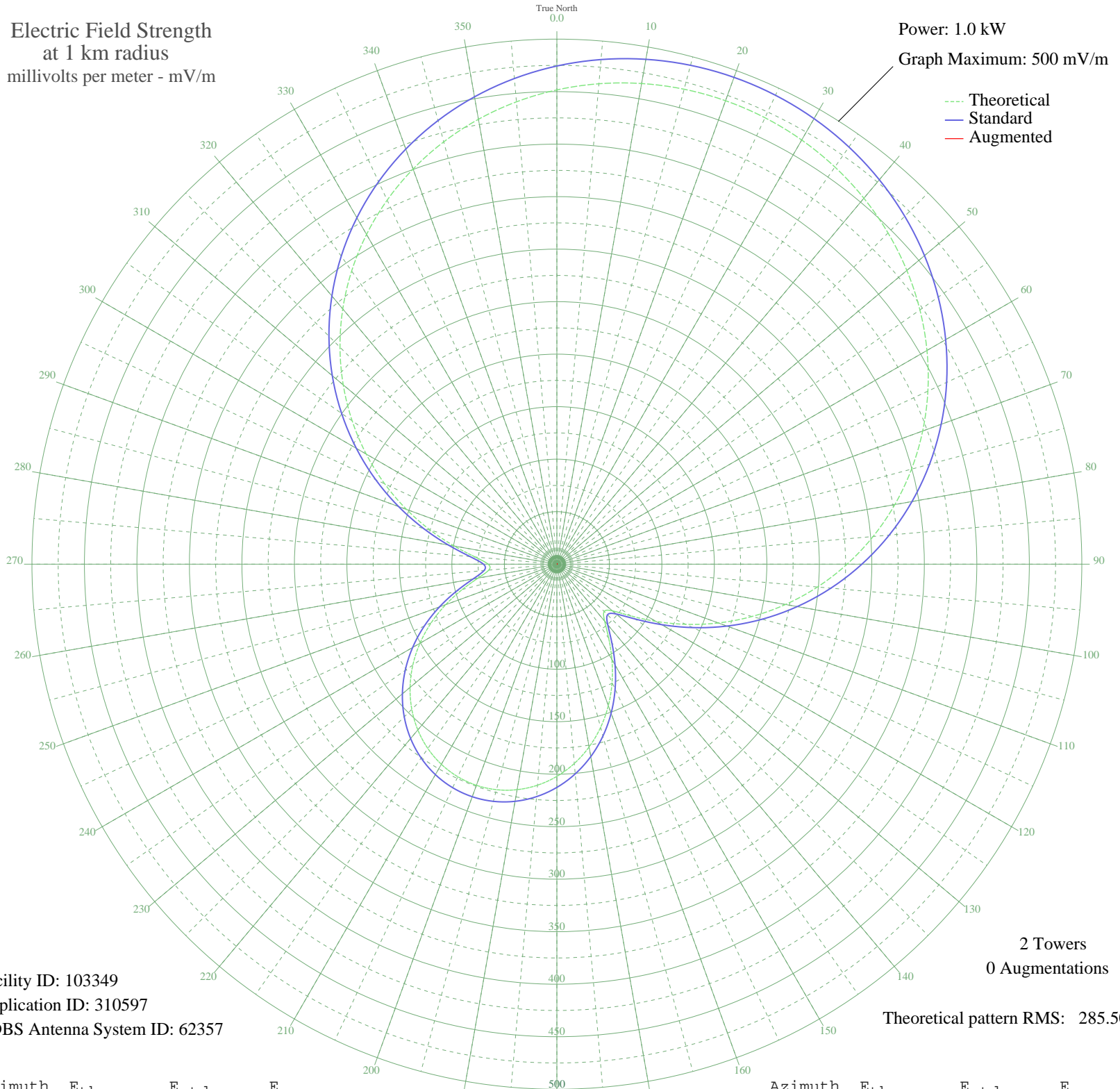


# CFEK FERNIE, BC Canada -- 1240 kHz

Unlimited Time

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 103349  
Application ID: 310597  
CDBS Antenna System ID: 62357

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 285.50

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	451.64	474.41	
5	459.24	482.38	
10	464.78	488.19	
15	468.25	491.84	
20	469.68	493.34	
25	469.07	492.69	
30	466.41	489.91	
35	461.70	484.96	
40	454.93	477.86	
45	446.09	468.57	
50	435.16	457.10	
55	422.15	443.44	
60	407.06	427.61	
65	389.92	409.62	
70	370.79	389.54	
75	349.74	367.45	
80	326.88	343.47	
85	302.37	317.76	
90	276.40	290.51	
95	249.21	261.99	
100	221.10	232.52	
105	192.43	202.47	
110	163.69	172.37	
115	135.53	142.90	
120	108.97	115.15	
125	85.76	90.99	
130	69.16	73.78	
135	63.68	68.12	
140	70.73	75.40	
145	86.04	91.27	
150	104.83	110.84	
155	124.39	131.26	
160	143.33	151.06	
165	160.93	169.48	
170	176.75	186.05	
175	190.53	200.48	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	202.08	212.58	
185	211.28	222.22	
190	218.04	229.32	
195	222.33	233.81	
200	224.10	235.66	
205	223.34	234.87	
210	220.06	231.43	
215	214.28	225.37	
220	206.04	216.74	
225	195.42	205.61	
230	182.52	192.09	
235	167.49	176.35	
240	150.56	158.63	
245	132.09	139.30	
250	112.66	119.01	
255	93.33	98.86	
260	76.17	81.03	
265	65.15	69.63	
270	65.41	69.91	
275	78.08	83.02	
280	99.14	104.91	
285	124.64	131.52	
290	152.31	160.46	
295	180.91	190.40	
300	209.67	220.54	
305	238.06	250.30	
310	265.66	279.24	
315	292.15	307.03	
320	317.27	333.38	
325	340.80	358.08	
330	362.59	380.94	
335	382.50	401.84	
340	400.45	420.67	
345	416.36	437.37	
350	430.20	451.90	
355	441.97	464.25	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission