

CKNW NEW WESTMINSTER, BC Canada -- 980 kHz

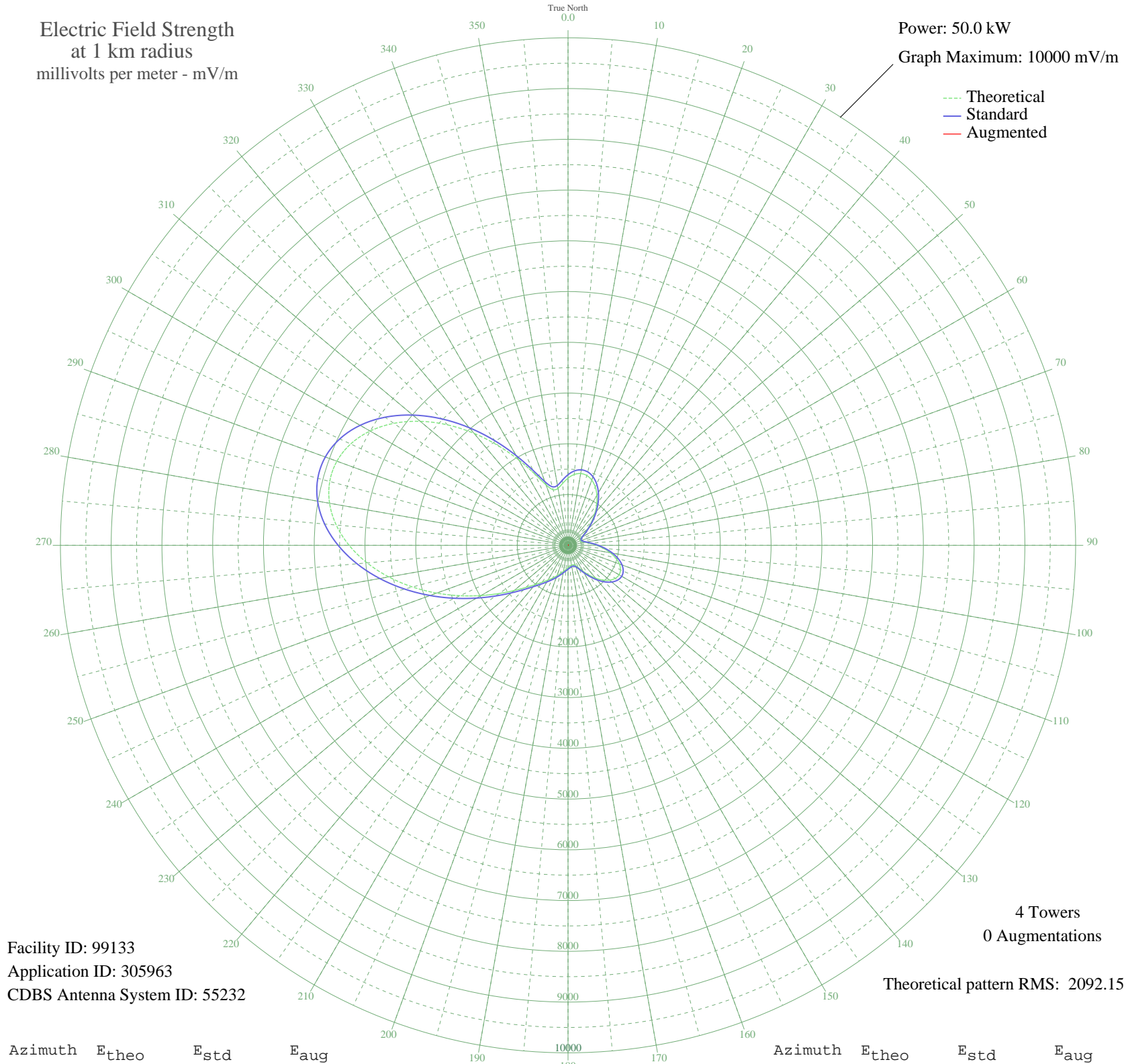
Unlimited Time

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

Power: 50.0 kW

Graph Maximum: 10000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 99133
Application ID: 305963
CDBS Antenna System ID: 55232

4 Towers
0 Augmentations

Theoretical pattern RMS: 2092.15

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1323.18	1391.32	
5	1400.15	1472.03	
10	1436.00	1509.63	
15	1424.72	1497.79	
20	1367.33	1437.61	
25	1269.11	1334.64	
30	1138.15	1197.36	
35	984.40	1036.29	
40	819.25	863.41	
45	655.08	691.83	
50	505.00	535.42	
55	382.37	408.29	
60	298.96	322.57	
65	259.38	282.29	
70	257.06	279.94	
75	284.77	308.09	
80	344.22	368.98	
85	438.14	466.00	
90	561.44	594.17	
95	702.01	740.84	
100	844.64	889.98	
105	973.90	1025.28	
110	1076.03	1132.26	
115	1140.44	1199.76	
120	1160.80	1221.10	
125	1135.63	1194.72	
130	1068.38	1124.25	
135	967.02	1018.08	
140	843.24	888.51	
145	711.39	750.65	
150	587.43	621.26	
155	487.22	516.94	
160	422.84	450.15	
165	396.39	422.78	
170	398.33	424.79	
175	416.19	443.26	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	442.94	470.98	
185	477.56	506.90	
190	521.43	552.51	
195	575.23	608.54	
200	638.19	674.20	
205	709.48	748.64	
210	790.68	833.52	
215	887.65	934.99	
220	1010.90	1064.04	
225	1173.34	1234.24	
230	1386.24	1457.44	
235	1655.35	1739.70	
240	1979.27	2079.56	
245	2349.84	2468.45	
250	2753.42	2892.05	
255	3172.35	3331.80	
260	3586.27	3766.32	
265	3973.55	4172.88	
270	4312.71	4528.96	
275	4583.97	4813.75	
280	4770.61	5009.69	
285	4860.16	5103.71	
290	4845.42	5088.23	
295	4724.89	4961.69	
300	4503.04	4728.77	
305	4189.99	4400.12	
310	3801.08	3991.83	
315	3356.11	3524.70	
320	2878.76	3023.61	
325	2396.37	2517.28	
330	1940.66	2039.05	
335	1549.81	1628.99	
340	1268.84	1334.35	
345	1134.95	1194.01	
350	1139.68	1198.96	
355	1223.40	1286.71	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission