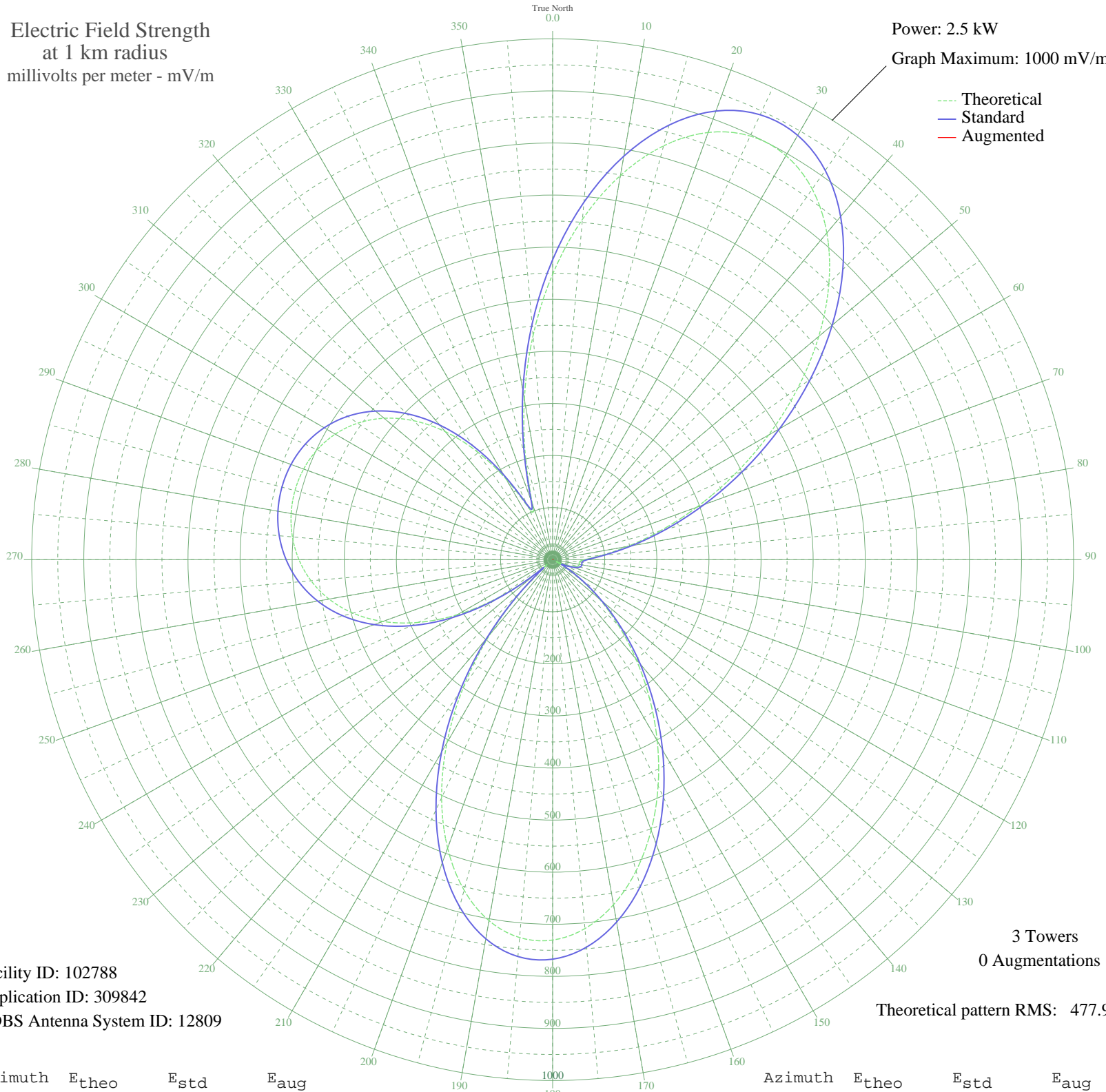


# CKSM SHAWINIGAN FALLS, QC Canada -- 1220 kHz

Nighttime

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

Power: 2.5 kW  
Graph Maximum: 1000 mV/m



Facility ID: 102788  
Application ID: 309842  
CDBS Antenna System ID: 12809

3 Towers  
0 Augmentations  
Theoretical pattern RMS: 477.98

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	548.26	575.92	
5	655.90	688.90	
10	748.96	786.59	
15	822.53	863.82	
20	872.81	916.61	
25	897.46	942.48	
30	895.77	940.71	
35	868.72	912.31	
40	818.85	859.96	
45	749.99	787.68	
50	666.88	700.43	
55	574.70	603.67	
60	478.69	502.91	
65	383.76	403.30	
70	294.25	309.43	
75	213.87	225.20	
80	145.83	154.06	
85	93.48	99.60	
90	61.35	66.60	
95	51.33	56.49	
100	51.86	57.02	
105	49.13	54.29	
110	37.49	42.85	
115	15.99	23.83	
120	20.12	27.06	
125	63.08	68.36	
130	116.53	123.52	
135	178.87	188.57	
140	248.56	261.53	
145	323.60	340.20	
150	401.47	421.89	
155	479.07	503.31	
160	552.79	580.67	
165	618.68	649.83	
170	672.70	706.53	
175	711.00	746.75	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	730.32	767.03	
185	728.29	764.89	
190	703.74	739.12	
195	656.91	689.96	
200	589.47	619.17	
205	504.41	529.90	
210	405.80	426.42	
215	298.40	313.77	
220	187.25	197.34	
225	77.43	83.05	
230	30.78	36.48	
235	125.76	133.13	
240	211.45	222.66	
245	285.28	300.02	
250	346.88	364.62	
255	396.74	416.92	
260	435.85	457.96	
265	465.51	489.07	
270	487.00	511.63	
275	501.47	526.81	
280	509.71	535.47	
285	512.13	538.00	
290	508.69	534.39	
295	498.92	524.14	
300	482.01	506.39	
305	456.88	480.02	
310	422.34	443.78	
315	377.28	396.51	
320	320.97	337.44	
325	253.65	266.87	
330	178.38	188.06	
335	110.67	117.43	
340	113.43	120.30	
345	200.23	210.92	
350	312.95	329.03	
355	431.78	453.69	

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