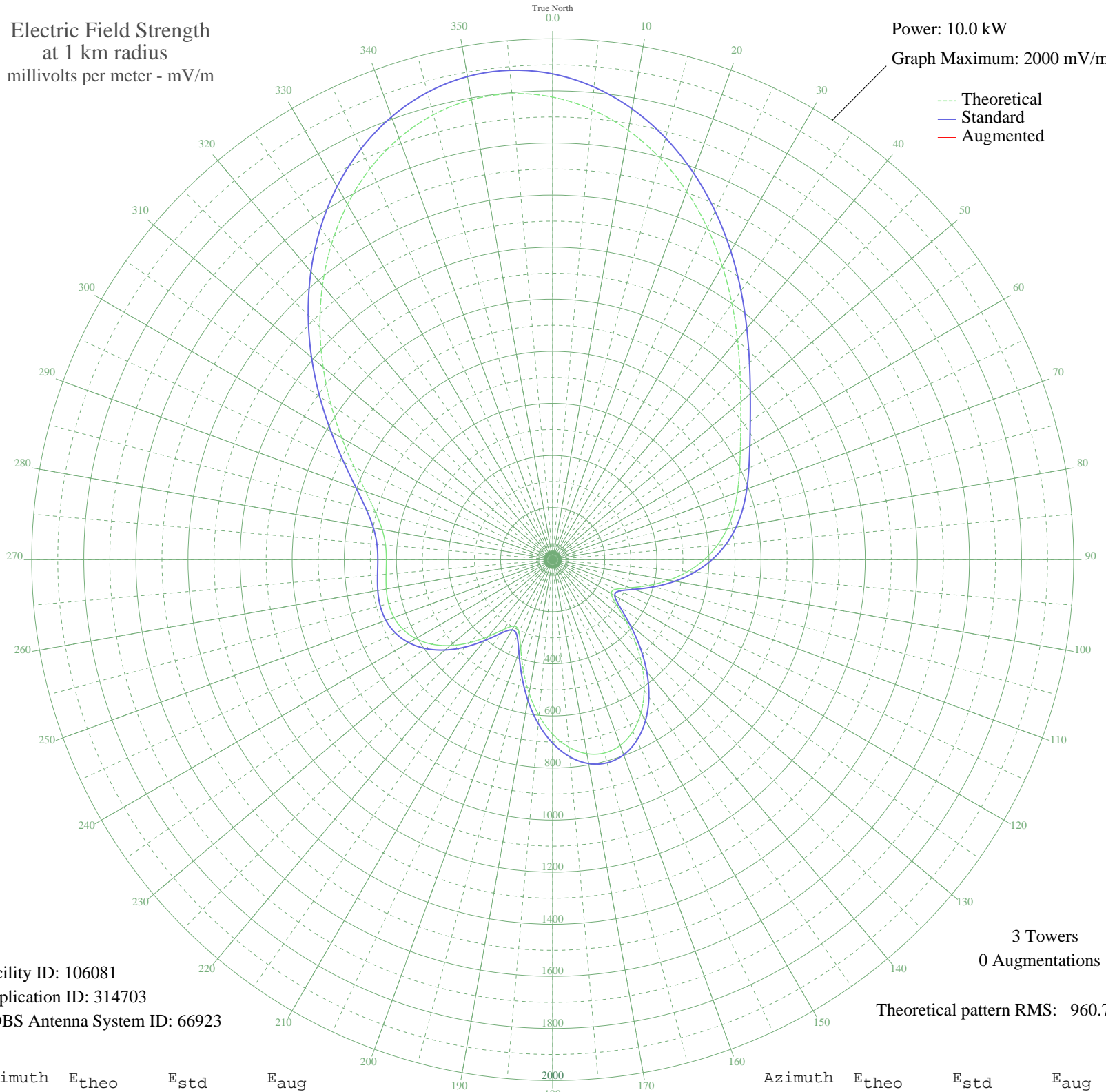


# CKUA EDMONTON, AB Canada -- 580 kHz

Nighttime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 106081  
Application ID: 314703  
CDBS Antenna System ID: 66923

3 Towers  
0 Augmentations

Theoretical pattern RMS: 960.78

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1776.20	1865.31	
5	1734.73	1821.77	
10	1673.63	1757.62	
15	1595.79	1675.91	
20	1504.93	1580.53	
25	1405.46	1476.11	
30	1302.20	1367.72	
35	1200.09	1260.54	
40	1103.80	1159.47	
45	1017.21	1068.59	
50	942.85	990.56	
55	881.49	926.16	
60	831.85	874.08	
65	790.97	831.18	
70	754.78	793.23	
75	719.04	755.73	
80	679.98	714.75	
85	634.75	667.32	
90	581.73	611.73	
95	520.64	547.69	
100	452.82	476.63	
105	381.95	402.44	
110	315.69	333.15	
115	268.48	283.87	
120	260.04	275.07	
125	297.74	314.41	
130	367.18	386.98	
135	450.22	473.91	
140	534.60	562.32	
145	612.48	643.97	
150	678.35	713.05	
155	728.12	765.26	
160	758.82	797.46	
165	768.54	807.66	
170	756.53	795.05	
175	723.23	760.12	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	670.42	704.73	
185	601.34	632.28	
190	520.93	547.99	
195	436.56	459.60	
200	359.45	378.90	
205	306.31	323.35	
210	294.80	311.33	
215	326.67	344.62	
220	384.66	405.27	
225	450.56	474.27	
230	513.03	539.71	
235	565.99	595.22	
240	606.50	637.70	
245	633.69	666.21	
250	648.19	681.42	
255	652.02	685.43	
260	648.46	681.70	
265	642.07	675.00	
270	638.54	671.30	
275	644.14	677.17	
280	664.68	698.72	
285	704.13	740.09	
290	763.65	802.53	
295	841.71	884.43	
300	934.99	982.30	
305	1039.30	1091.77	
310	1150.25	1208.22	
315	1263.48	1327.08	
320	1374.78	1443.91	
325	1480.08	1554.44	
330	1575.51	1654.62	
335	1657.48	1740.67	
340	1722.80	1809.25	
345	1768.83	1857.57	
350	1793.64	1883.62	
355	1796.14	1886.24	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission