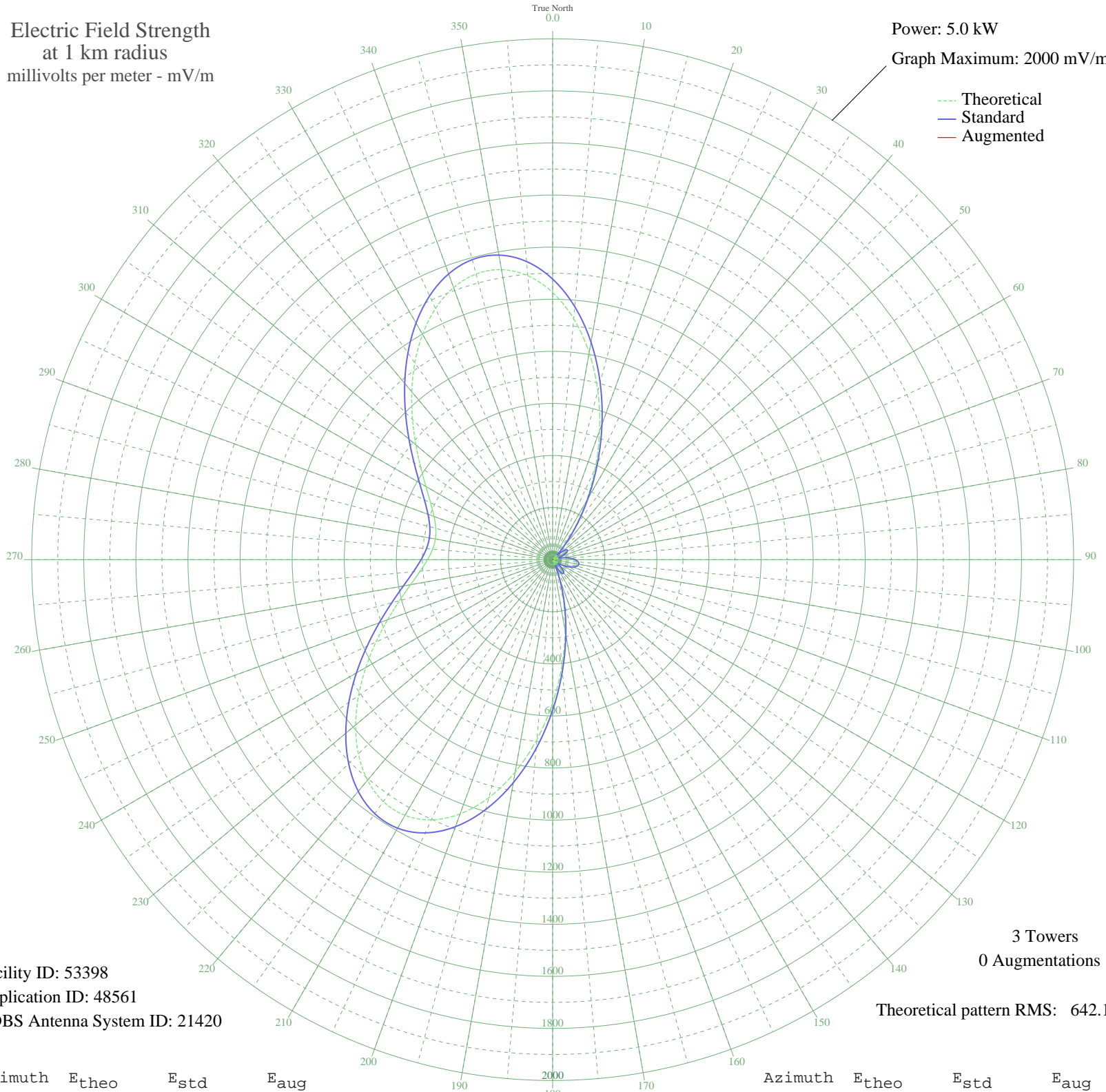


# KITI CENTRALIA-CHEHALIS, WA BL-19821027AB 1420 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 53398  
Application ID: 48561  
CDBS Antenna System ID: 21420

3 Towers  
0 Augmentations

Theoretical pattern RMS: 642.13

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1025.92	1077.47	
5	928.40	975.11	
10	807.29	847.98	
15	670.40	704.31	
20	526.93	553.78	
25	386.35	406.35	
30	257.28	271.17	
35	146.60	155.71	
40	58.82	66.07	
45	4.12	23.87	
50	42.69	50.60	
55	59.35	66.60	
60	57.97	65.24	
65	43.14	51.02	
70	19.68	31.28	
75	7.88	24.89	
80	35.59	44.13	
85	60.19	67.42	
90	79.24	86.45	
95	91.03	98.42	
100	94.61	102.07	
105	89.68	97.05	
110	76.64	83.83	
115	56.57	63.87	
120	31.29	40.38	
125	3.37	23.74	
130	23.83	34.31	
135	46.22	53.91	
140	59.22	66.46	
145	58.01	65.28	
150	38.08	46.36	
155	4.27	23.90	
160	71.21	78.37	
165	162.86	172.60	
170	276.85	291.64	
175	408.28	429.34	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	549.94	577.91	
185	692.99	728.02	
190	827.95	869.67	
195	945.77	993.33	
200	1038.92	1091.12	
205	1102.31	1157.66	
210	1133.66	1190.58	
215	1133.69	1190.60	
220	1105.63	1161.15	
225	1054.68	1107.66	
230	987.12	1036.74	
235	909.54	955.31	
240	828.14	869.87	
245	748.24	786.01	
250	674.05	708.14	
255	608.59	639.45	
260	553.84	582.01	
265	510.94	537.00	
270	480.43	505.00	
275	462.50	486.20	
280	457.20	480.64	
285	464.52	488.32	
290	484.47	509.23	
295	516.98	543.34	
300	561.83	590.39	
305	618.39	649.73	
310	685.40	720.05	
315	760.74	799.12	
320	841.19	883.56	
325	922.37	968.77	
330	998.77	1048.98	
335	1064.12	1117.57	
340	1111.81	1167.64	
345	1135.68	1192.70	
350	1130.80	1187.58	
355	1094.29	1149.25	

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission