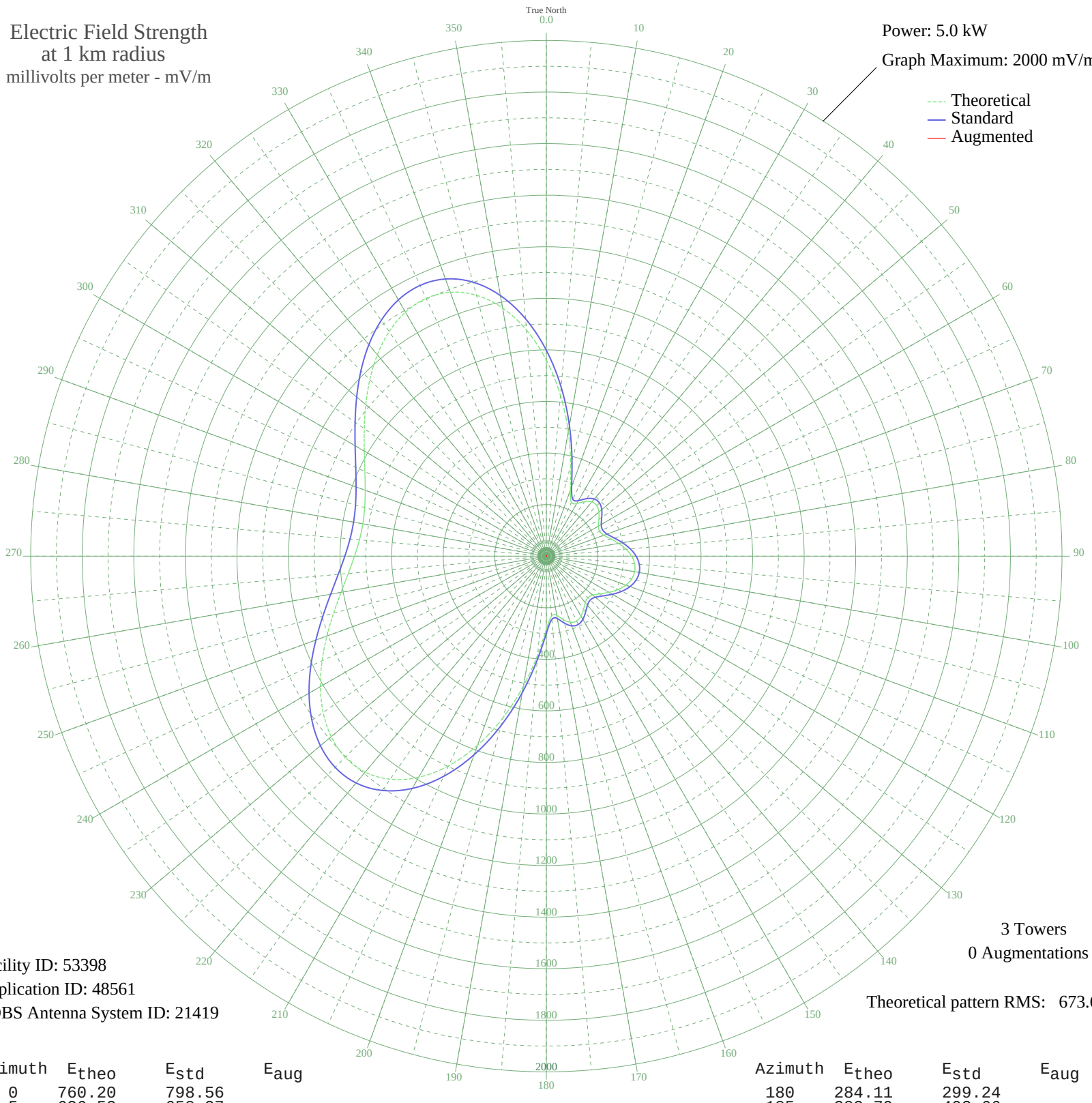
KITI CENTRALIA-CHEHALIS, WA BL-19821027AB 1420 kHz

Daytime

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



Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 53398
Application ID: 48561
CDBS Antenna System ID: 21419

Theoretical pattern RMS: 673.64

Azimuth	E_{theo}	E_{std}	E_{aug}
0	760.20	798.56	
5	626.52	658.27	
10	489.99	515.03	
15	365.40	384.38	
20	272.24	286.82	
25	230.26	242.91	
30	235.72	248.61	
35	258.30	272.23	
40	274.69	289.38	
45	276.94	291.74	
50	266.26	280.56	
55	248.78	262.27	
60	233.27	246.05	
65	228.22	240.78	
70	237.55	250.53	
75	258.53	272.47	
80	284.81	299.97	
85	310.35	326.71	
90	330.87	348.20	
95	343.77	361.72	
100	347.69	365.83	
105	342.28	360.16	
110	328.05	345.25	
115	306.51	322.69	
120	280.51	295.47	
125	254.64	268.40	
130	235.14	248.01	
135	228.08	240.63	
140	235.24	248.11	
145	251.69	265.31	
150	268.63	283.04	
155	277.56	292.38	
160	272.95	287.56	
165	254.71	268.48	
170	232.84	245.61	
175	233.22	246.01	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	284.11	299.24	
185	383.79	403.66	
190	511.47	537.55	
195	648.43	681.26	
200	780.53	819.89	
205	897.04	942.19	
210	990.40	1040.19	
215	1056.24	1109.30	
220	1093.28	1148.18	
225	1103.04	1158.43	
230	1089.21	1143.91	
235	1056.87	1109.96	
240	1011.77	1062.62	
245	959.63	1007.89	
250	905.64	951.21	
255	854.15	897.16	
260	808.54	849.29	
265	771.27	810.17	
270	743.97	781.52	
275	727.62	764.37	
280	722.75	759.25	
285	729.48	766.31	
290	747.62	785.35	
295	776.60	815.77	
300	815.33	856.42	
305	862.07	905.48	
310	914.22	960.21	
315	968.23	1016.91	
320	1019.61	1070.84	
325	1063.05	1116.45	
330	1092.81	1147.69	
335	1103.18	1158.58	
340	1089.25	1143.96	
345	1047.64	1100.27	
350	977.24	1026.37	
355	879.80	924.08	

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