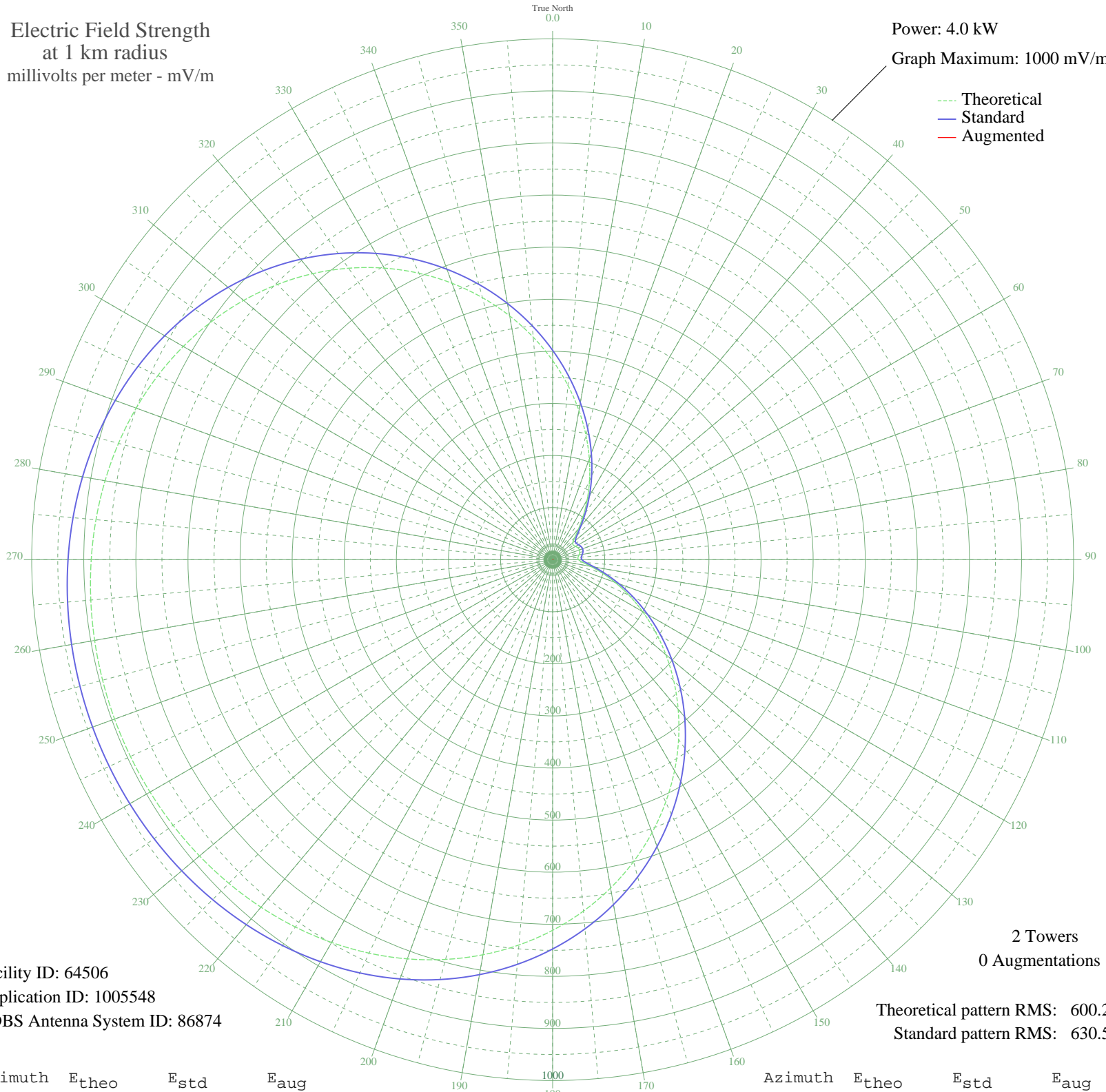


# KDYK UNION GAP, WA BL-20040719AEU 1020 kHz

Daytime

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

Power: 4.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 64506  
Application ID: 1005548  
CDBS Antenna System ID: 86874

2 Towers  
0 Augmentations

Theoretical pattern RMS: 600.20  
Standard pattern RMS: 630.50

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	382.29	401.96	
5	336.02	353.45	
10	290.75	306.01	
15	247.12	260.33	
20	205.78	217.09	
25	167.38	177.00	
30	132.60	140.81	
35	102.27	109.42	
40	77.47	84.01	
45	59.70	66.11	
50	50.30	56.84	
55	48.51	55.10	
60	50.79	57.31	
65	53.54	60.01	
70	54.78	61.23	
75	53.87	60.34	
80	51.27	57.78	
85	48.71	55.29	
90	49.57	56.13	
95	57.61	64.04	
100	74.11	80.60	
105	97.90	104.92	
110	127.43	135.44	
115	161.55	170.92	
120	199.42	210.45	
125	240.34	253.23	
130	283.64	298.56	
135	328.69	345.77	
140	374.85	394.15	
145	421.46	443.03	
150	467.90	491.74	
155	513.54	539.62	
160	557.80	586.06	
165	600.15	630.51	
170	640.14	672.48	
175	677.39	711.57	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	711.60	747.47	
185	742.58	779.99	
190	770.24	809.02	
195	794.56	834.55	
200	815.62	856.66	
205	833.57	875.50	
210	848.62	891.30	
215	861.01	904.30	
220	871.00	914.80	
225	878.89	923.07	
230	884.93	929.41	
235	889.37	934.07	
240	892.40	937.26	
245	894.19	939.14	
250	894.84	939.81	
255	894.37	939.33	
260	892.77	937.64	
265	889.94	934.67	
270	885.74	930.27	
275	879.97	924.21	
280	872.40	916.26	
285	862.76	906.14	
290	850.77	893.56	
295	836.17	878.23	
300	818.70	859.89	
305	798.15	838.32	
310	774.35	813.34	
315	747.23	784.87	
320	716.78	752.91	
325	683.07	717.53	
330	646.29	678.93	
335	606.72	637.40	
340	564.71	593.32	
345	520.73	547.16	
350	475.27	499.47	
355	428.92	450.86	

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