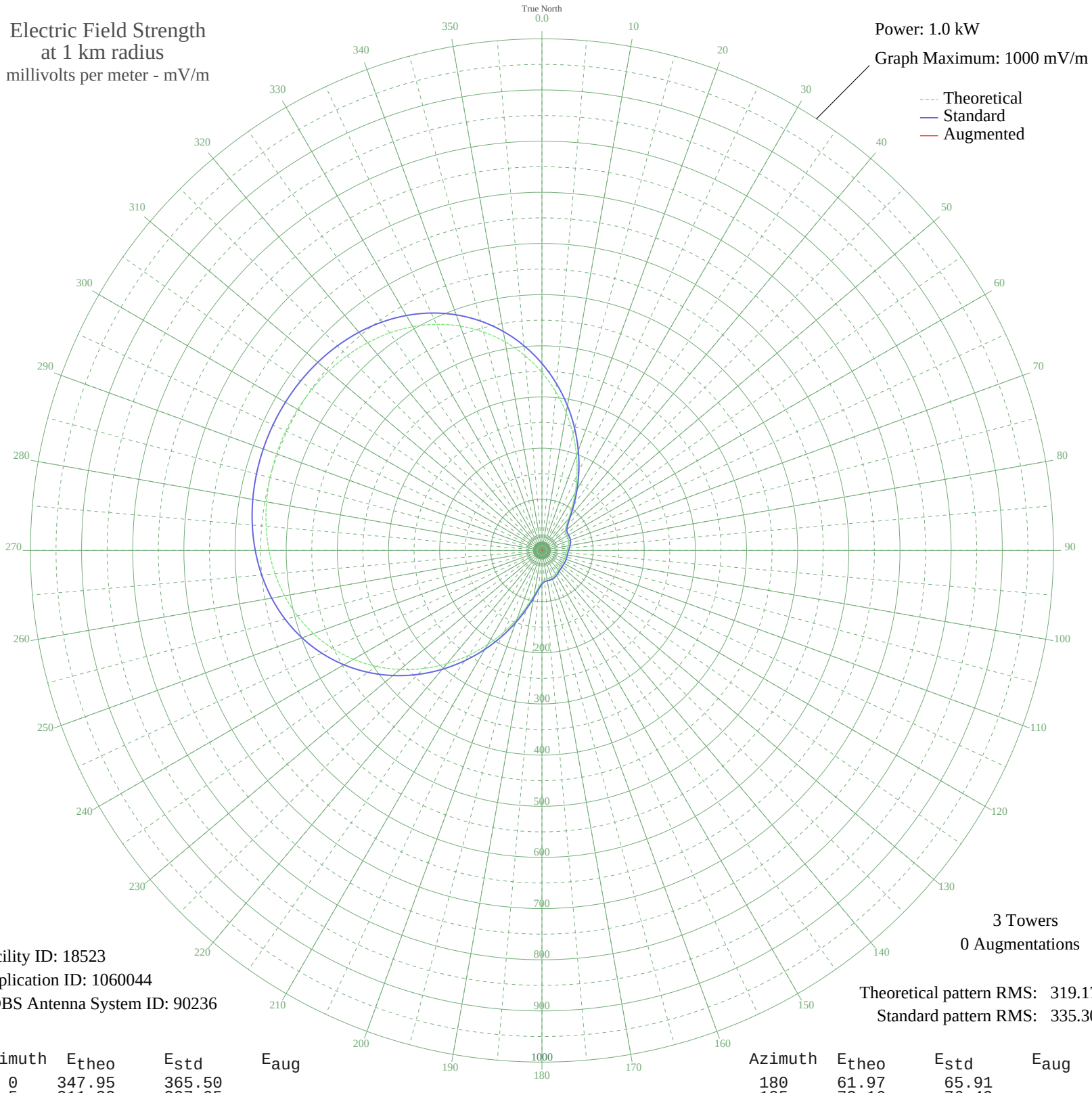
KHHO TACOMA, WA BL-20050412AGR 850 kHz

Nighttime

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



Power: 1.0 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 18523
Application ID: 1060044
CDBS Antenna System ID: 90236

Theoretical pattern RMS: 319.17
Standard pattern RMS: 335.30

Azimuth	E_{theo}	E_{std}	E_{aug}
0	347.95	365.50	
5	311.32	327.05	
10	273.33	287.19	
15	235.02	247.00	
20	197.56	207.70	
25	162.18	170.61	
30	130.19	137.10	
35	102.91	108.57	
40	81.63	86.35	
45	67.27	71.41	
50	59.63	63.49	
55	56.88	60.64	
60	56.41	60.15	
65	56.27	60.01	
70	55.53	59.24	
75	54.04	57.71	
80	52.09	55.70	
85	50.11	53.65	
90	48.49	51.99	
95	47.46	50.93	
100	47.00	50.45	
105	46.92	50.37	
110	46.99	50.44	
115	47.01	50.47	
120	46.96	50.41	
125	46.92	50.37	
130	47.12	50.58	
135	47.80	51.28	
140	49.08	52.59	
145	50.88	54.44	
150	52.90	56.53	
155	54.72	58.40	
160	55.92	59.65	
165	56.37	60.11	
170	56.47	60.22	
175	57.56	61.35	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	61.97	65.91	
185	72.16	76.49	
190	89.35	94.40	
195	113.17	119.29	
200	142.49	149.99	
205	176.00	185.10	
210	212.36	223.23	
215	250.31	263.04	
220	288.62	303.24	
225	326.19	342.66	
230	362.02	380.27	
235	395.34	415.24	
240	425.55	446.95	
245	452.28	475.02	
250	475.38	499.26	
255	494.85	519.70	
260	510.87	536.52	
265	523.71	549.99	
270	533.70	560.49	
275	541.22	568.38	
280	546.60	574.02	
285	550.14	577.74	
290	552.06	579.76	
295	552.49	580.21	
300	551.47	579.14	
305	548.93	576.47	
310	544.68	572.01	
315	538.49	565.51	
320	530.02	556.62	
325	518.93	544.98	
330	504.86	530.21	
335	487.49	511.97	
340	466.58	490.02	
345	442.02	464.24	
350	413.87	434.69	
355	382.35	401.61	

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission