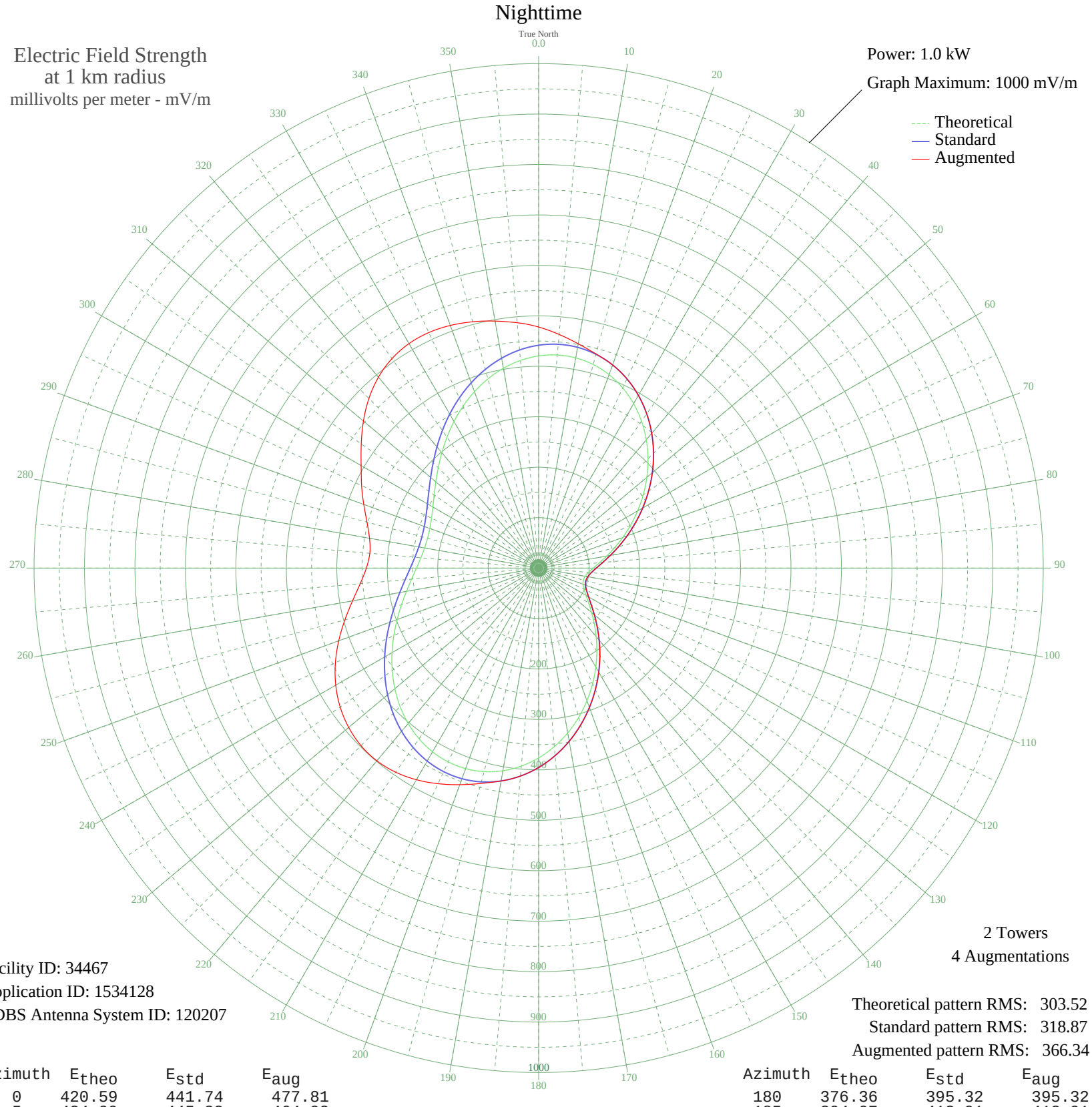
KGMI BELLINGHAM, WA BL-20121211ACS 790 kHz

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

2 Towers
4 Augmentations

Facility ID: 34467
Application ID: 1534128
CDBS Antenna System ID: 120207

Theoretical pattern RMS: 303.52
Standard pattern RMS: 318.87
Augmented pattern RMS: 366.34

Azimuth	E_{theo}	E_{std}	E_{aug}
0	420.59	441.74	477.81
5	424.00	445.32	464.92
10	423.10	444.38	451.49
15	417.75	438.76	439.37
20	408.00	428.52	428.52
25	394.07	413.91	413.91
30	376.36	395.32	395.32
35	355.41	373.33	373.33
40	331.85	348.60	348.60
45	306.42	321.91	321.91
50	279.88	294.06	294.06
55	252.98	265.84	265.84
60	226.48	238.04	238.04
65	201.05	211.37	211.37
70	177.30	186.47	186.47
75	155.76	163.89	163.89
80	136.87	144.10	144.10
85	120.98	127.46	127.46
90	108.36	114.26	114.26
95	99.21	104.70	104.70
100	93.67	98.91	98.91
105	91.81	96.97	96.97
110	93.67	98.91	98.91
115	99.21	104.70	104.70
120	108.36	114.26	114.26
125	120.98	127.46	127.46
130	136.87	144.10	144.10
135	155.76	163.89	163.89
140	177.30	186.47	186.47
145	201.05	211.37	211.37
150	226.48	238.04	238.04
155	252.98	265.84	265.84
160	279.88	294.06	294.06
165	306.42	321.91	321.91
170	331.85	348.60	348.60
175	355.41	373.33	373.33

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.

3 Feb 2017

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	376.36	395.32	395.32
185	394.07	413.91	413.91
190	408.00	428.52	428.52
195	417.75	438.76	442.09
200	423.10	444.38	456.97
205	424.00	445.32	471.65
210	420.59	441.74	484.50
215	413.17	433.96	494.00
220	402.21	422.45	498.81
225	388.27	407.82	497.87
230	372.02	390.76	491.45
235	354.18	372.04	480.23
240	335.50	352.43	464.35
245	316.68	332.68	444.45
250	298.41	313.51	421.65
255	281.32	295.57	397.62
260	265.94	279.43	374.53
265	252.74	265.58	354.93
270	242.09	254.41	341.39
275	234.28	246.22	335.84
280	229.52	241.22	340.38
285	227.92	239.54	352.24
290	229.52	241.22	368.80
295	234.28	246.22	387.19
300	242.09	254.41	406.24
305	252.74	265.58	429.20
310	265.94	279.43	453.32
315	281.32	295.57	475.64
320	298.41	313.51	493.94
325	316.68	332.68	506.84
330	335.50	352.43	513.83
335	354.18	372.04	515.16
340	372.02	390.76	511.83
345	388.27	407.82	505.46
350	402.21	422.45	497.16
355	413.17	433.96	488.21