

Appendix S

Emissions inside and outside the sub-band

FCC Part 15.323(d.1) Out-of-band emission

Test procedure ANSI 63.17-1998 6.1.6.2 UPCS

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.2 Out-of-band emission

measurement on the lowest carrier
Carrier=1921.536MHz



Out-of-band emission

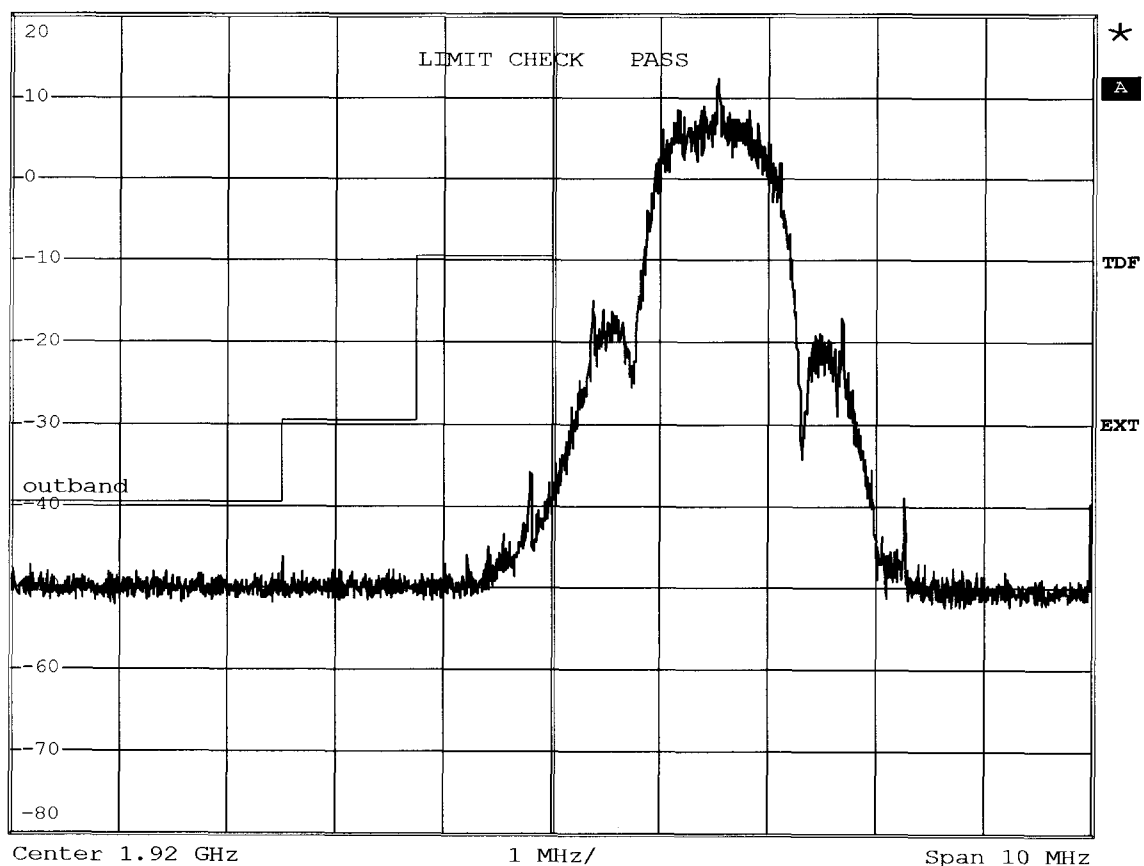
*RBW 10 kHz

*VBW 30 kHz

*SWT 23 s

Ref 20 dBm

*Att 30 dB

1 PK
MAXH

Comment: Ansi C63.17-1998 6.1.6.2

Date: 25.AUG.2005 10:49:09

Measurement diagram

FCC Part 15.323(d.1) Out-of-band emission

Test procedure ANSI 63.17-1998 6.1.6.2 UPCS

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.2 Out-of-band emission

measurement on the highest carrier
Carrier=1928.448MHz



Out-of-band emission

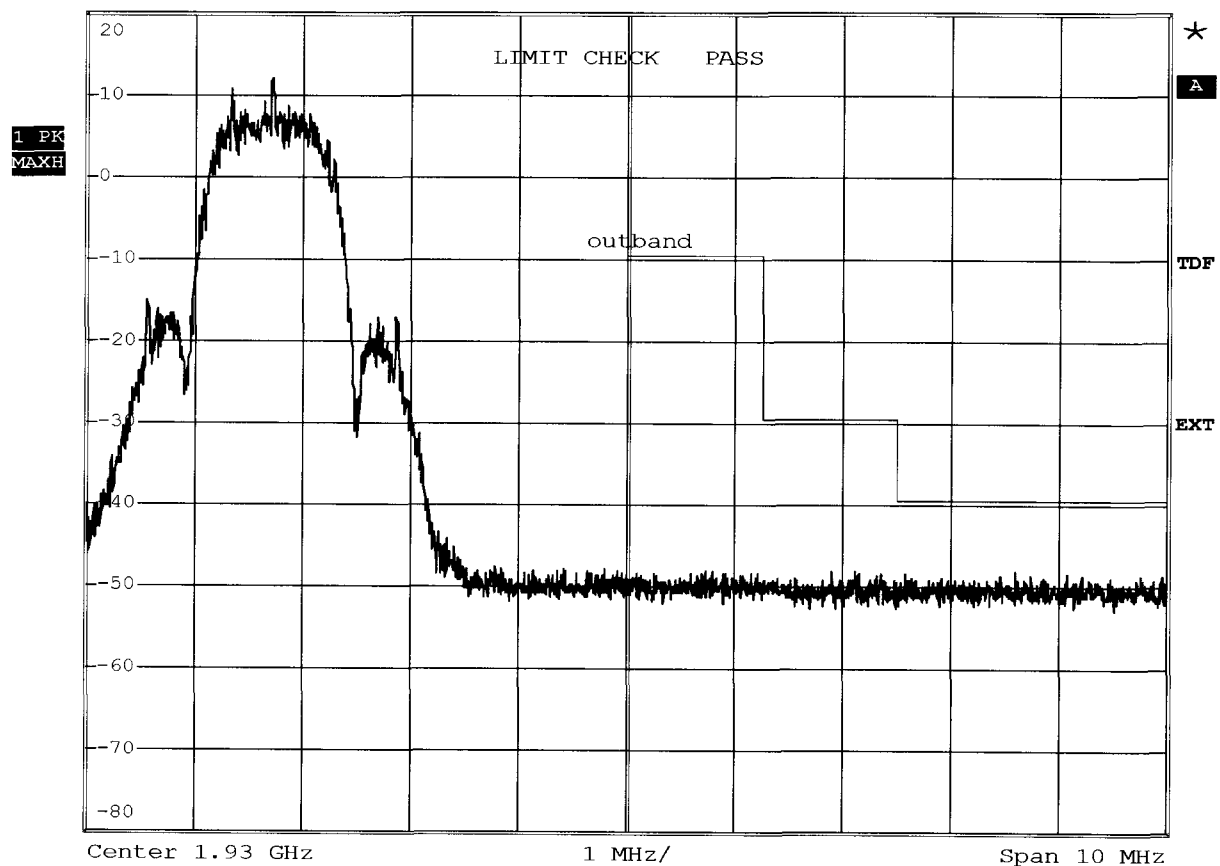
*RBW 10 kHz

*VBW 30 kHz

Ref 20 dBm

*Att 30 dB

*SWT 23 s



Comment: Ansi C63.17-1998 6.1.6.2

Date: 25.AUG.2005 10:50:10

Measurement diagram

FCC Part 15.323(d.2) In-band unwanted emission

Test procedure ANSI 63.17-1998 6.1.6.1 UPCS

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.1 In-band unwanted emission
Bandwidth used	1.448MHz



In-band unwanted emis

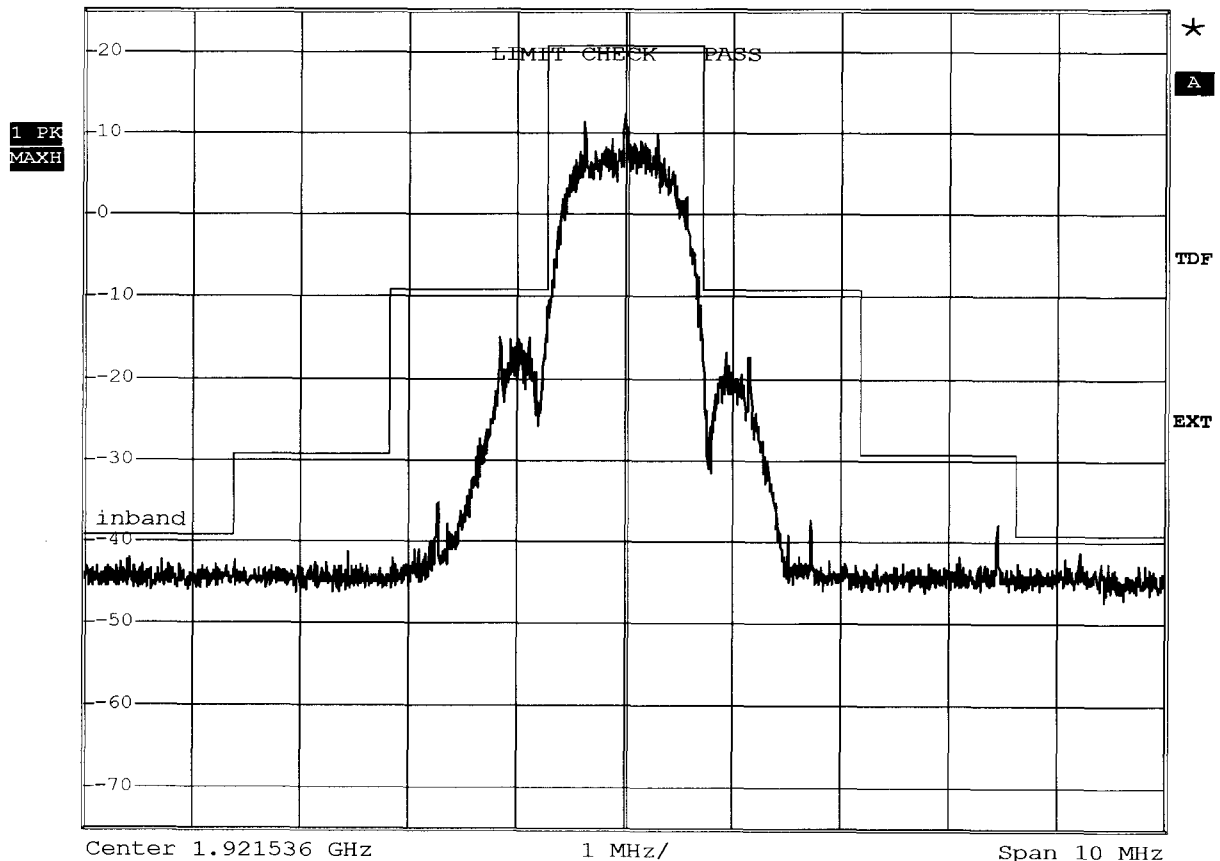
*RBW 10 kHz

*VBW 30 kHz

Ref 25 dBm

*Att 40 dB

*SWT 23 s



Comment: Ansi C63.17-1998 6.1.6.1

Date: 25.AUG.2005 10:46:13

Measurement diagram

FCC Part 15.323(d.2) In-band unwanted emission**Test procedure ANSI 63.17-1998 6.1.6.1
UPCS**

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.1 In-band unwanted emission
Bandwidth used	1.448MHz



In-band unwanted emis

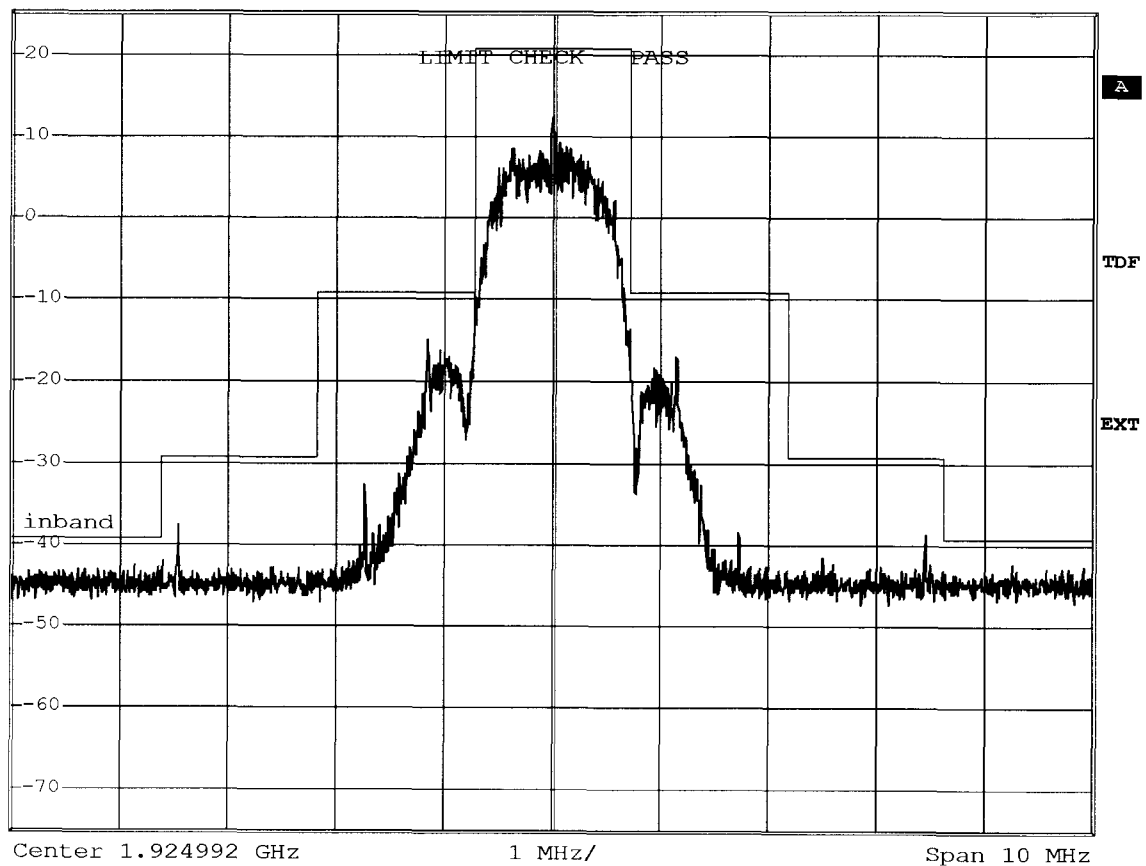
*RBW 10 kHz

*VBW 30 kHz

*SWT 23 s

Ref 25 dBm

*Att 40 dB

1 PK
MAXH

Comment: Ansi C63.17-1998 6.1.6.1

Date: 25.AUG.2005 10:45:09

Measurement diagram

FCC Part 15.323(d.2) In-band unwanted emission

Test procedure ANSI 63.17-1998 6.1.6.1 UPCS

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.1 In-band unwanted emission
Bandwidth used	1.448MHz



In-band unwanted emis

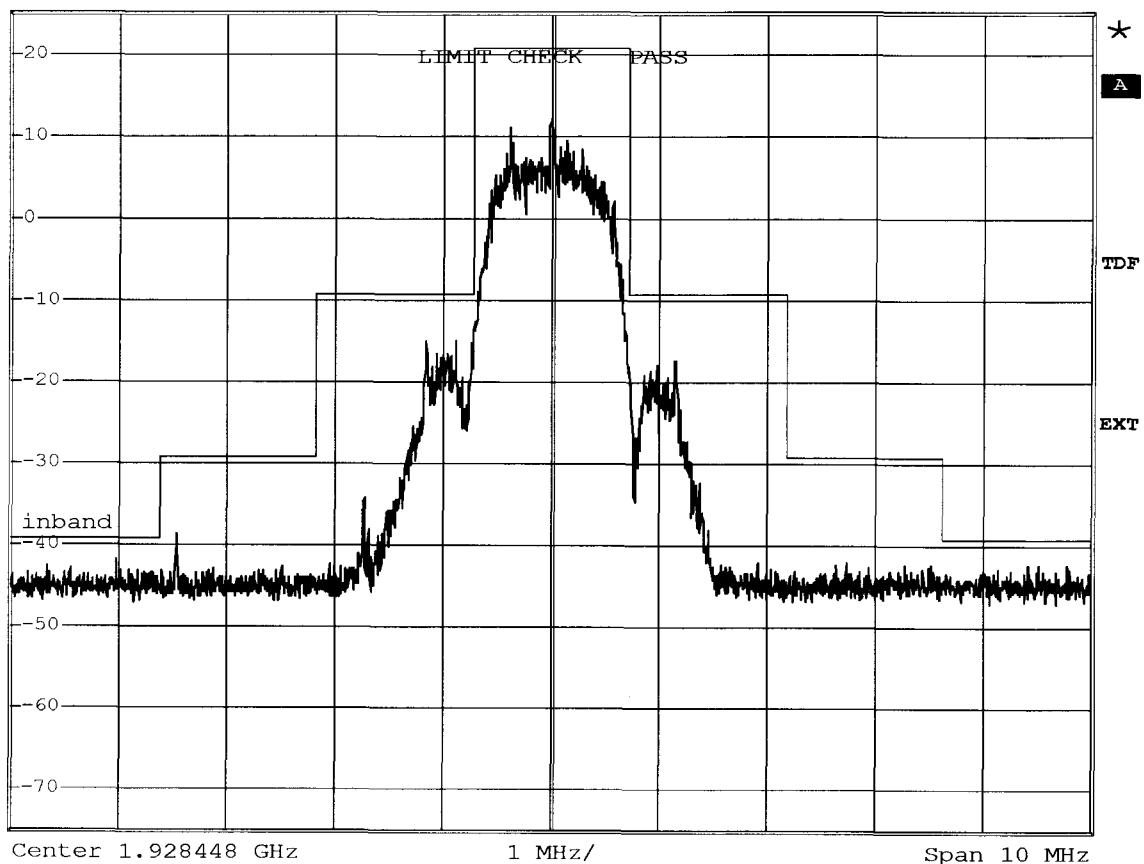
*RBW 10 kHz

*VBW 30 kHz

*SWT 23 s

Ref 25 dBm

*Att 40 dB

1 PK
MAXH

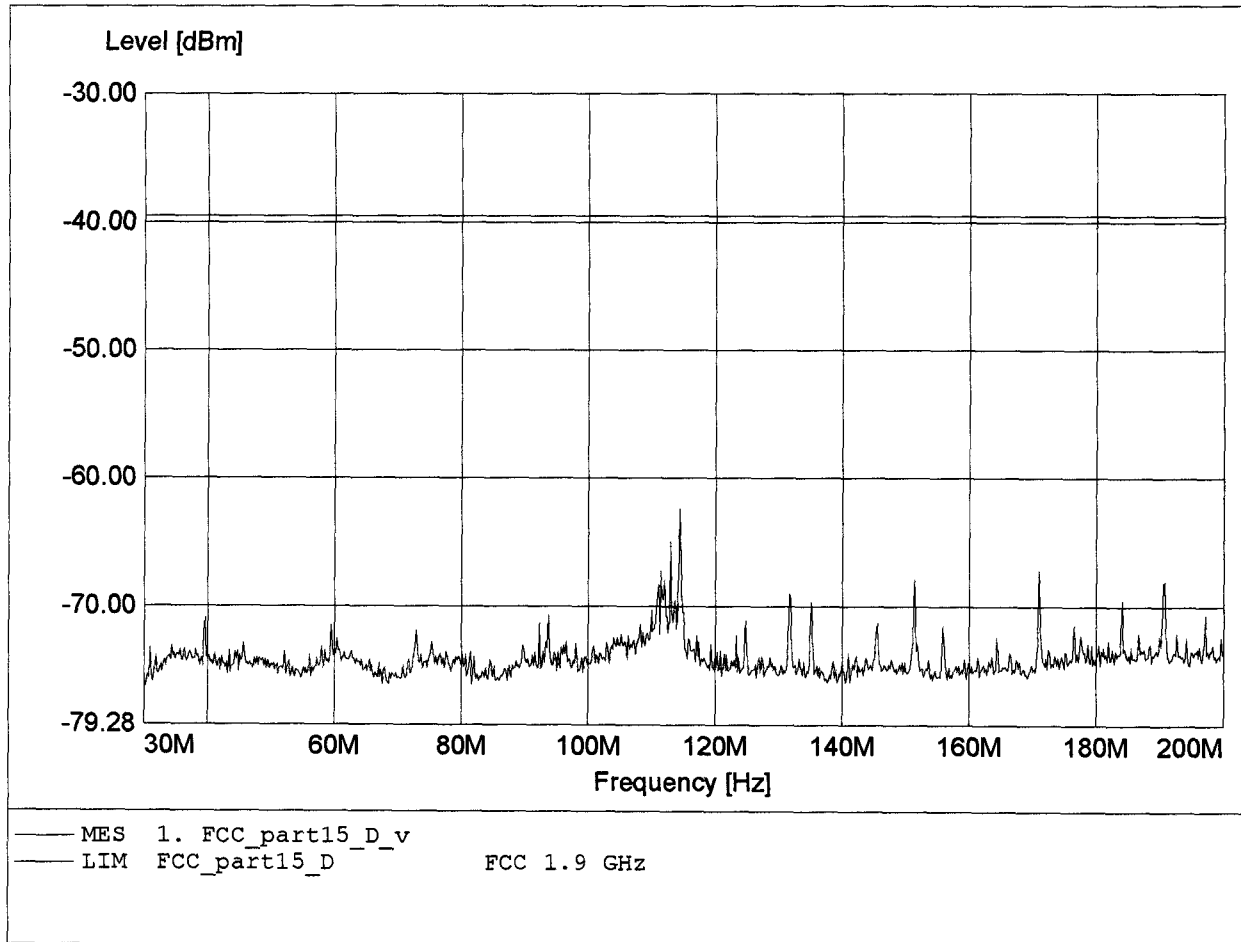
Comment: Ansi C63.17-1998 6.1.6.1

Date: 25.AUG.2005 10:42:51

Measurement diagram

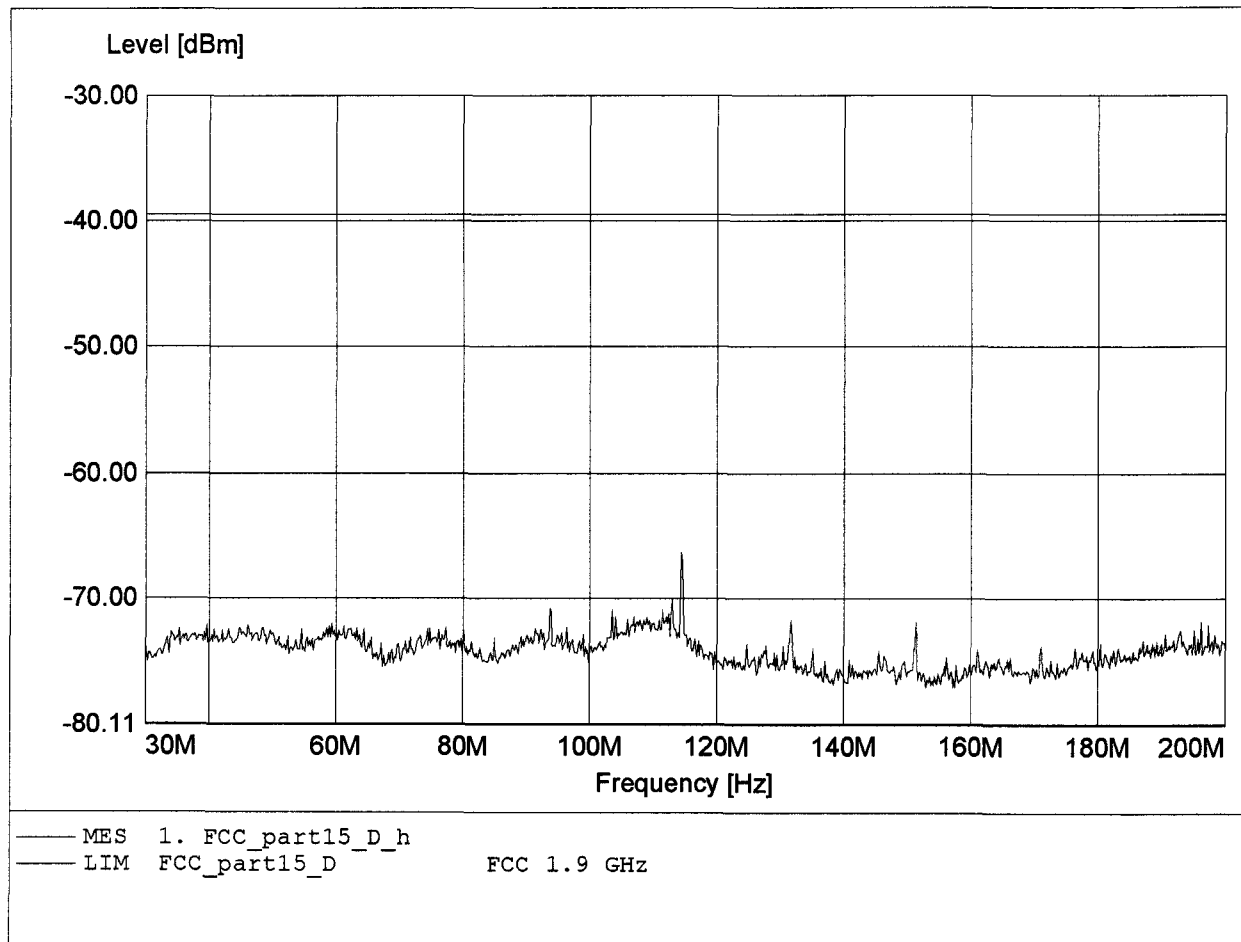
Spurious emissions under normal conditions
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HK 116,
Comment 2: Freq:114.433MHz Pmax:-62.39dBm RBW: 100 kHz



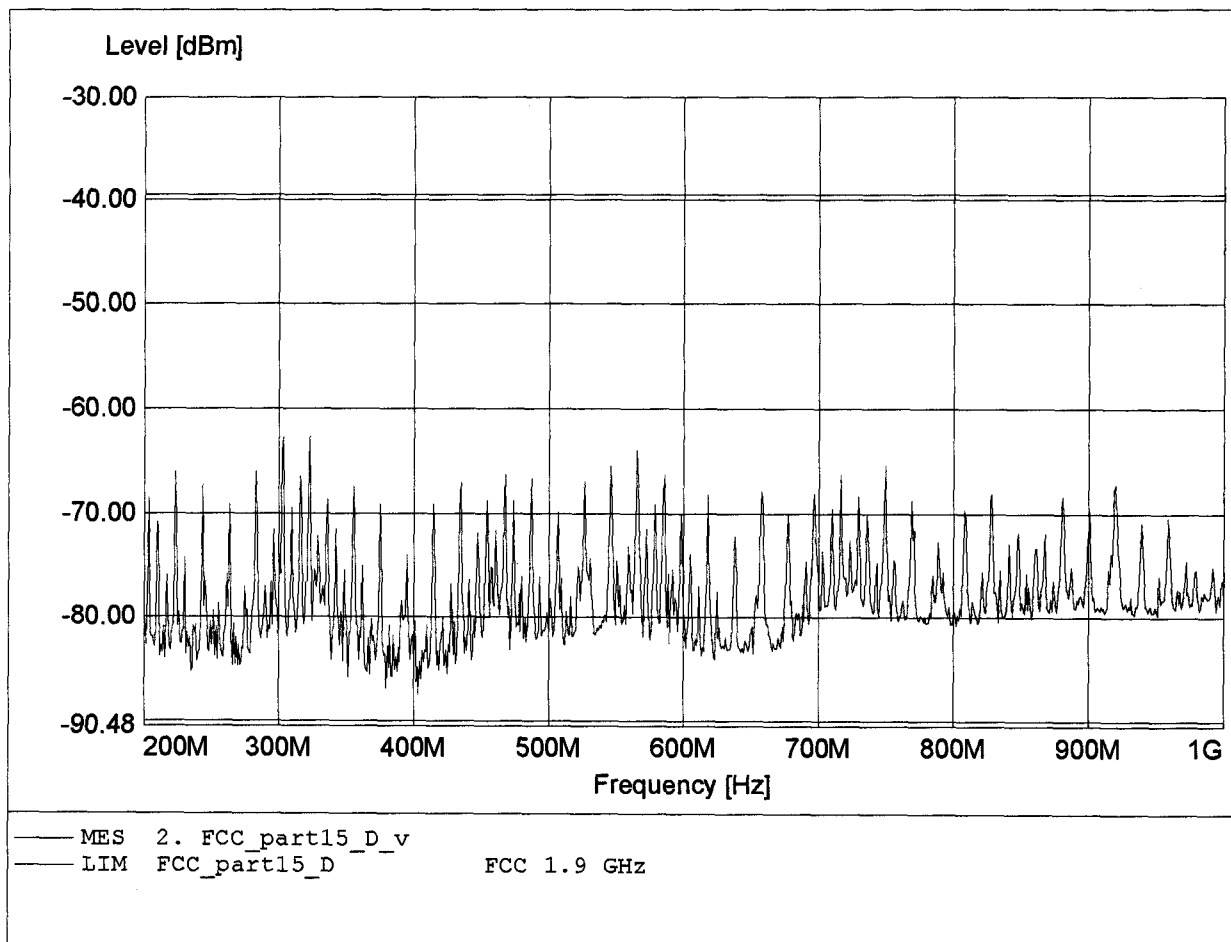
Spurious emissions under normal conditions
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HK 116,
Comment 2: Freq:114.433MHz Pmax:-66.29dBm RBW: 100 kHz



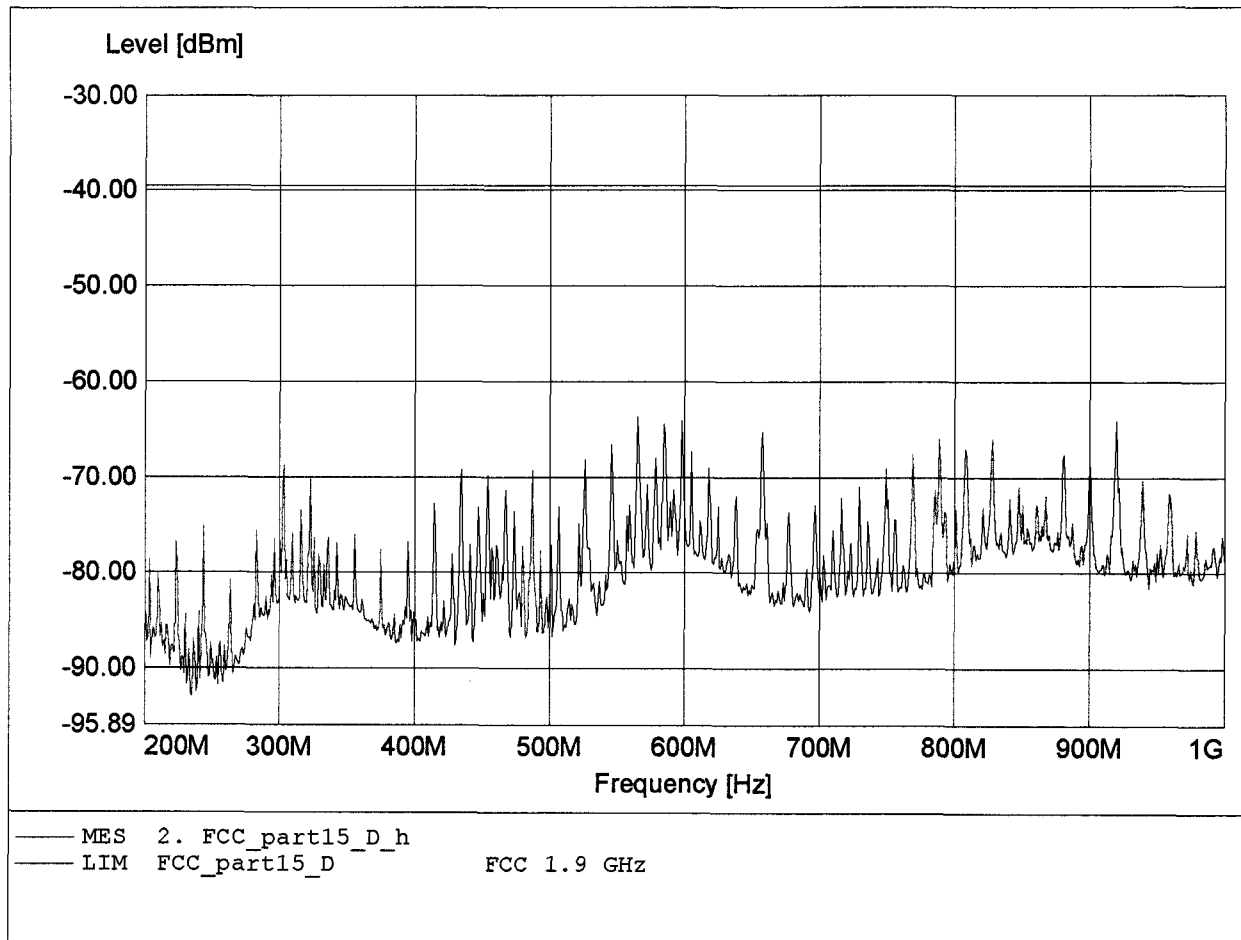
Spurious emissions under normal conditions
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:322.667MHz Pmax:-62.66dBm RBW: 100 kHz



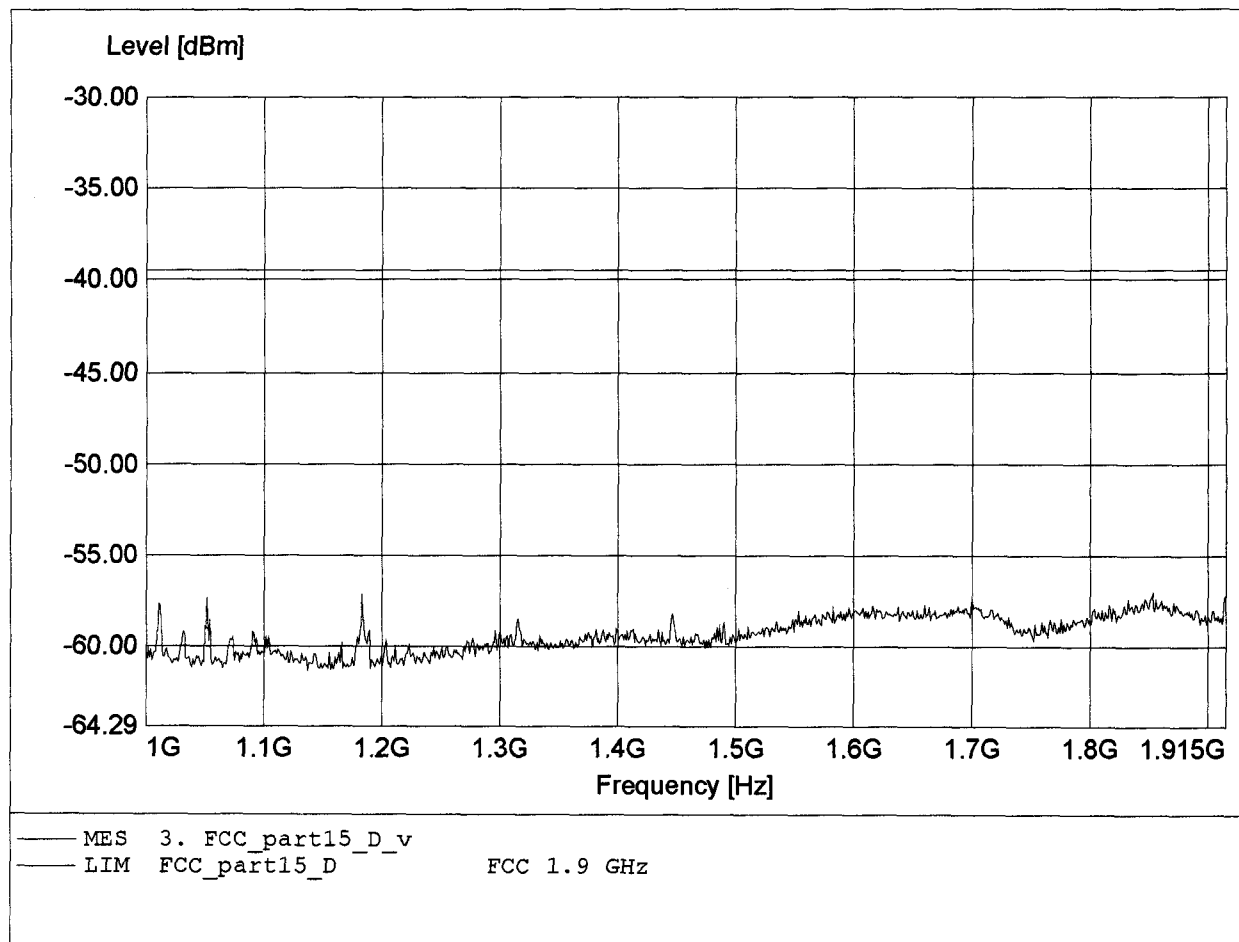
Spurious emissions under normal conditions
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:565.333MHz Pmax:-63.68dBm RBW: 100 kHz



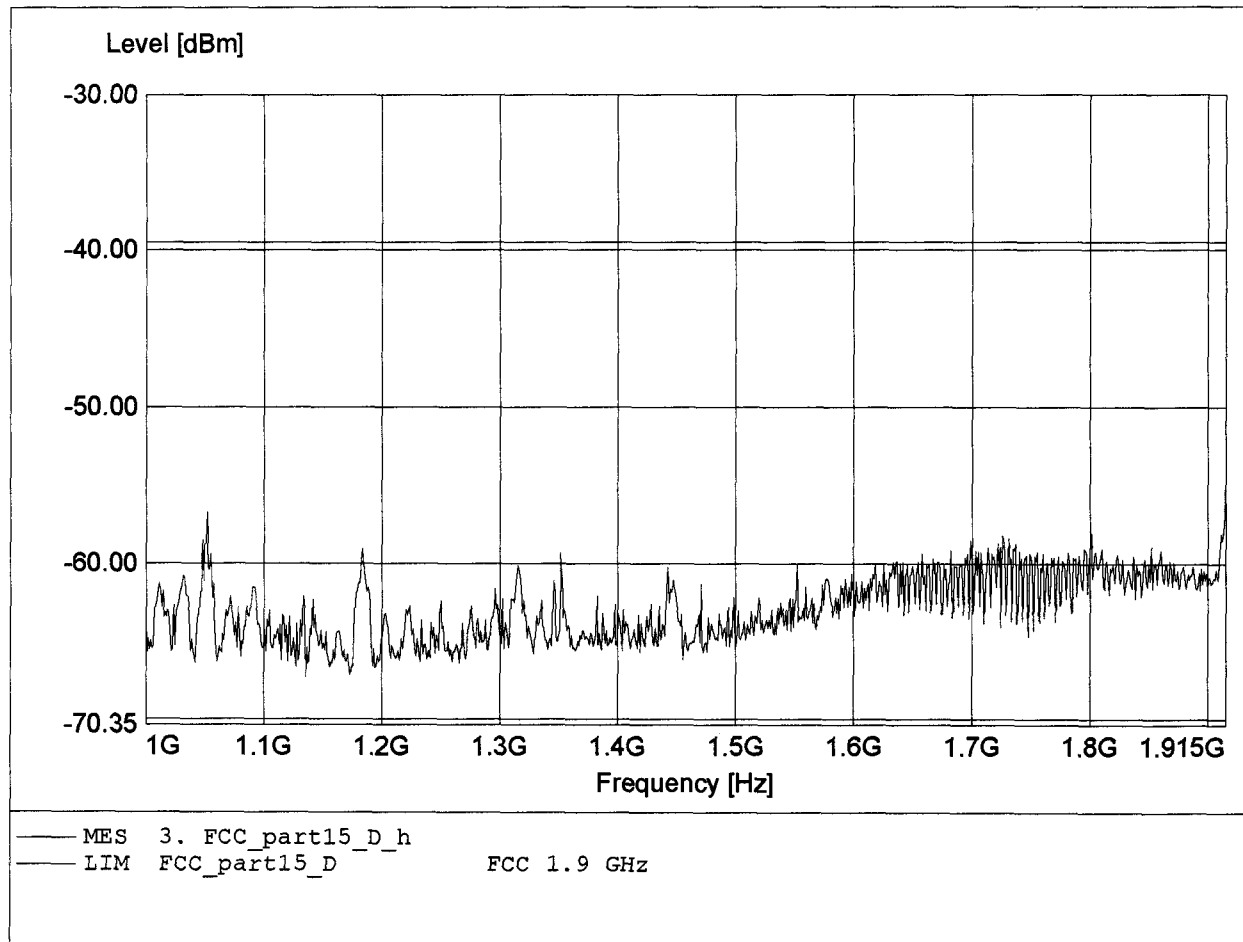
Spurious emissions under normal conditions
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.853GHz Pmax:-56.98dBm RBW: 1 MHz



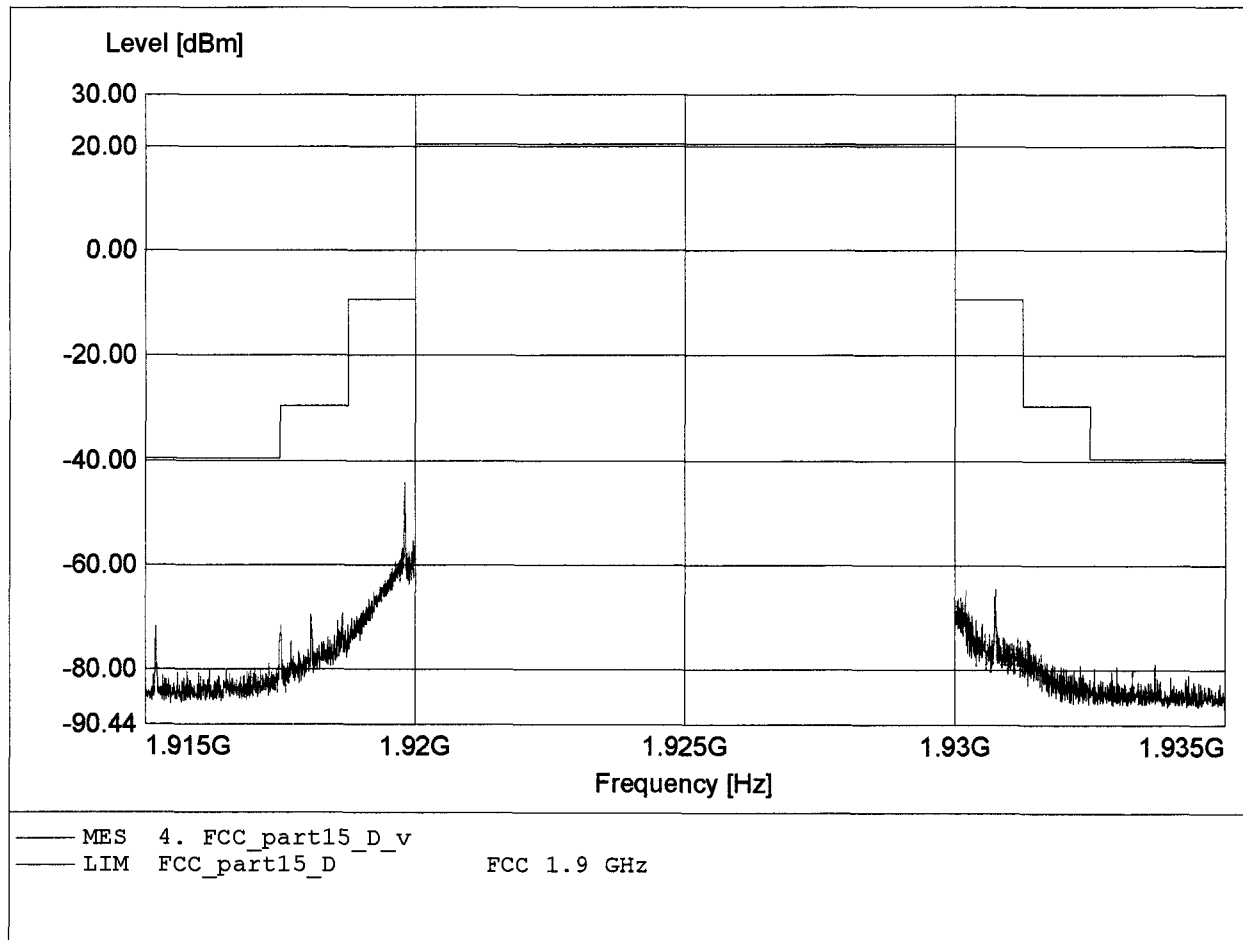
Spurious emissions under normal conditions
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.915GHz Pmax:-54.62dBm RBW: 1 MHz



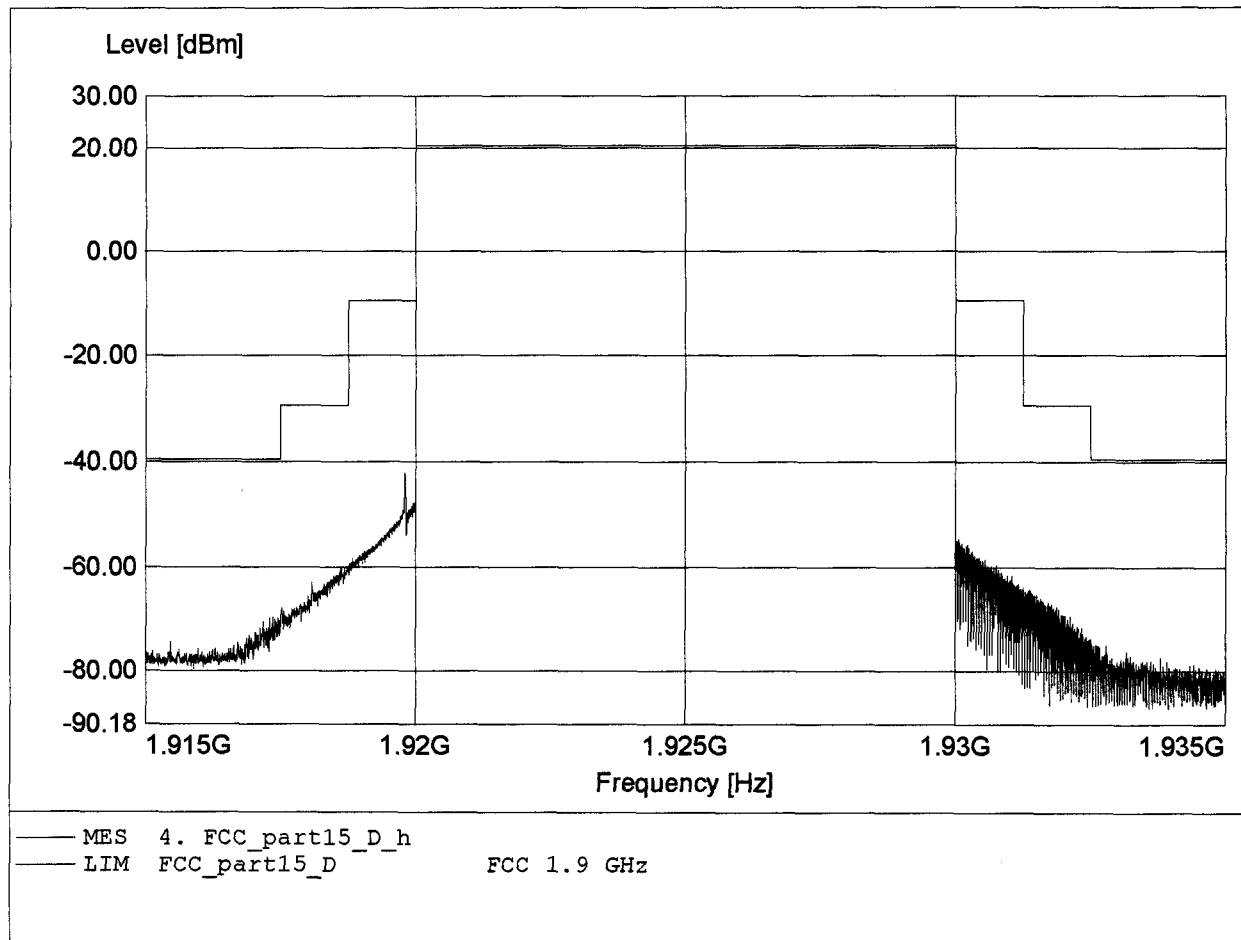
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.920GHz Pmax:-44.15dBm RBW:10 kHz



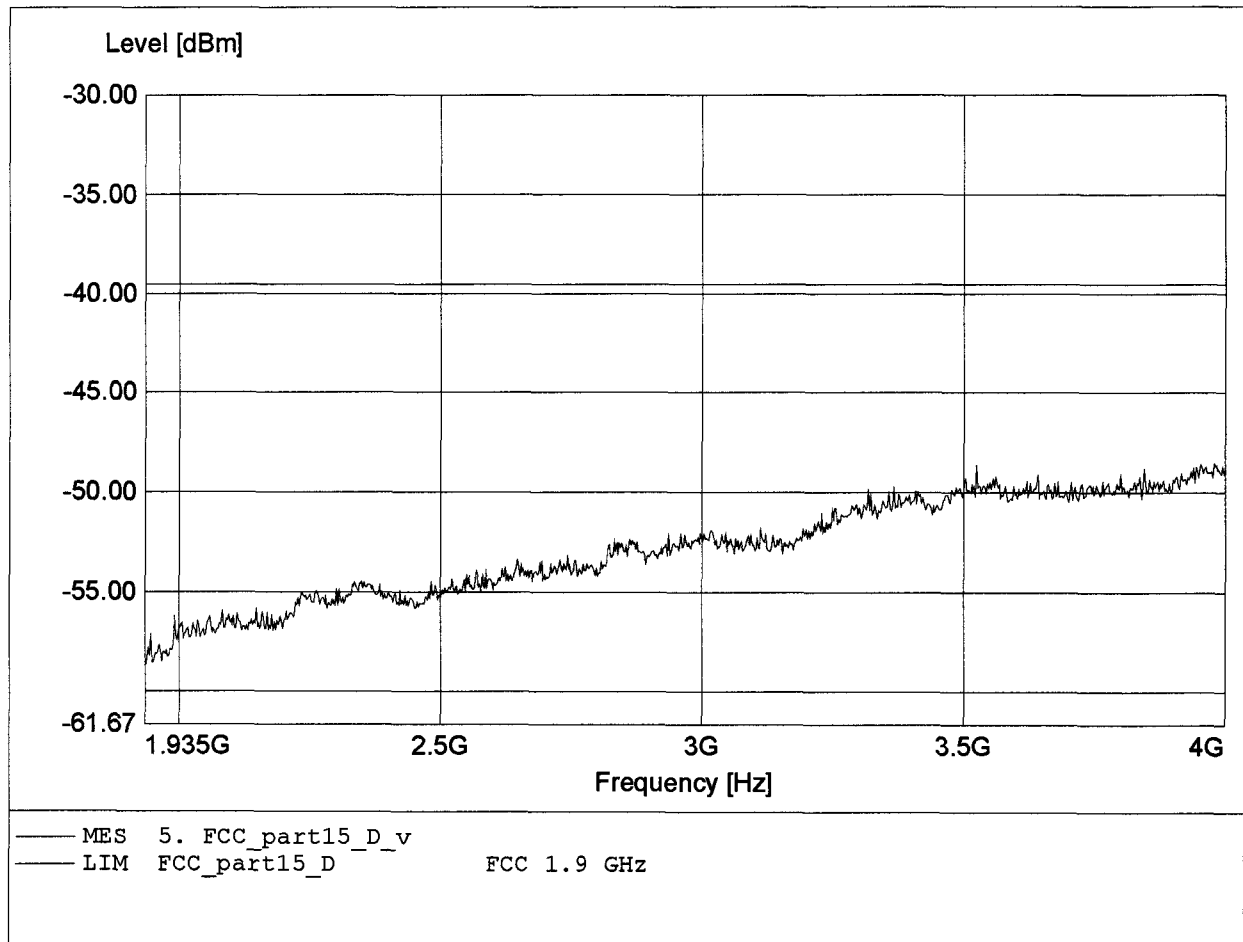
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.920GHz Pmax:-42.11dBm RBW:10 kHz



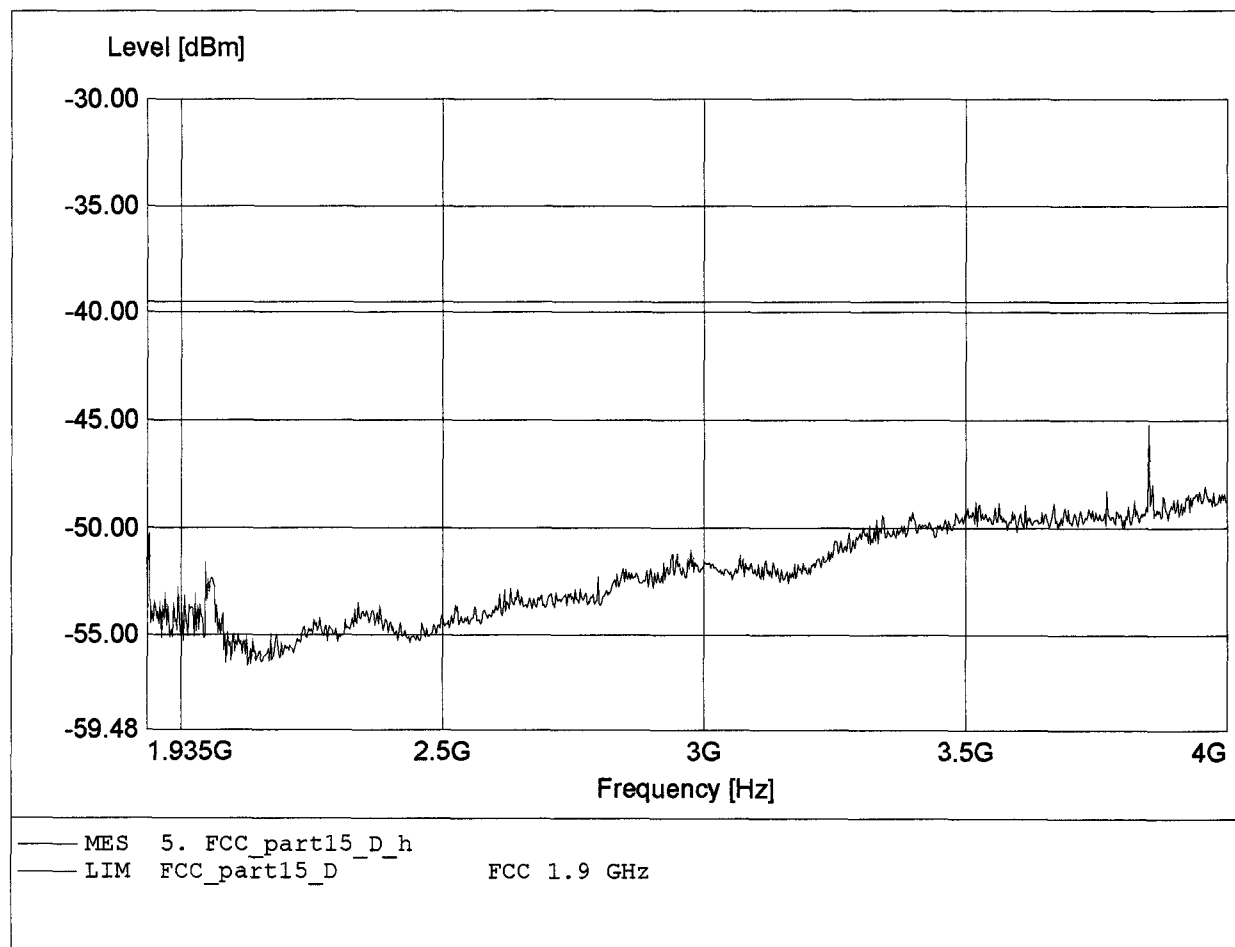
Spurious emissions under normal conditions
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:3.979GHz Pmax:-48.56dBm RBW: 1 MHz



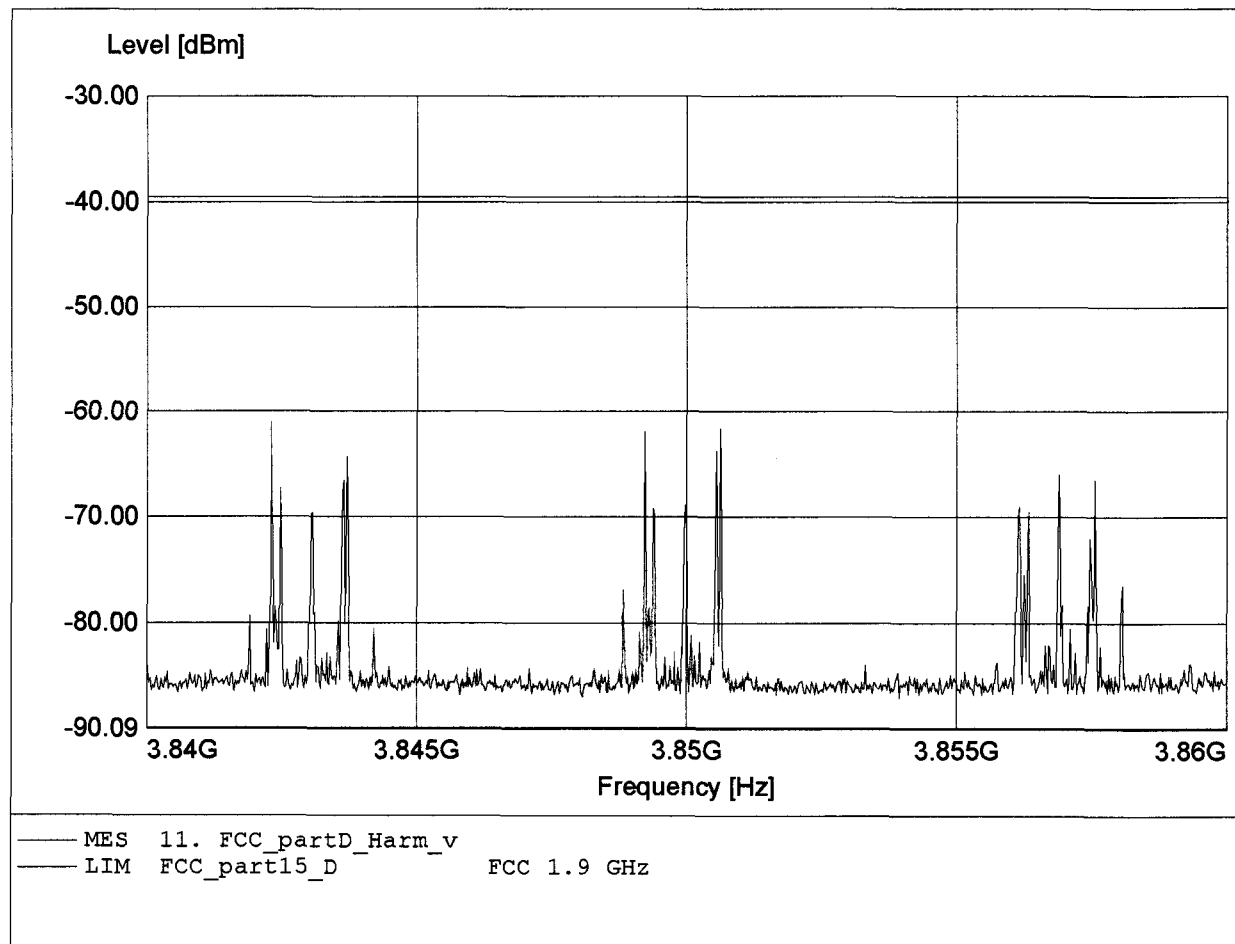
Spurious emissions under normal conditions
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:3.851GHz Pmax:-45.18dBm RBW: 1 MHz



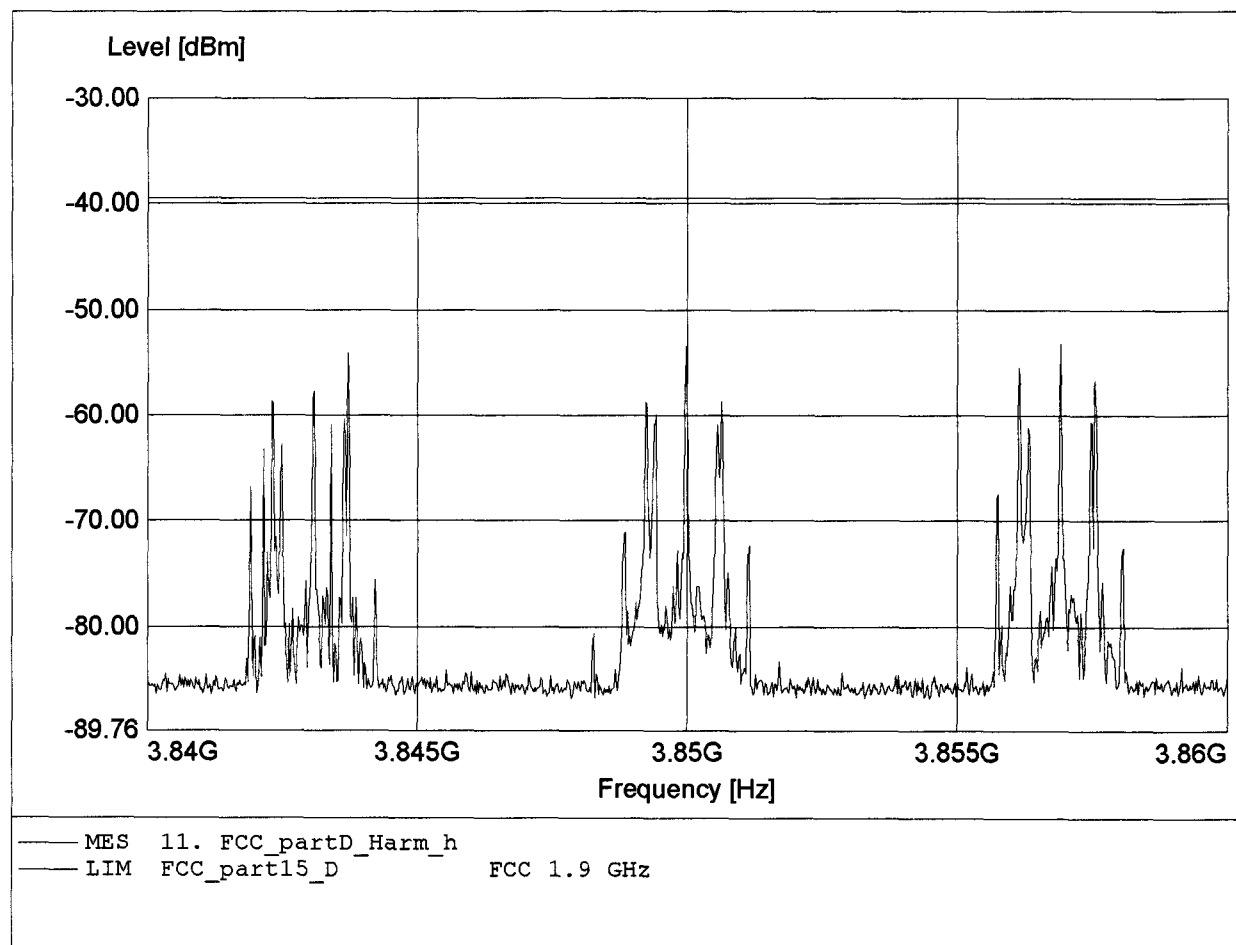
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: RTX3080
Model: 103 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:3.842GHz Pmax:-60.98dBm RBW:10 kHz



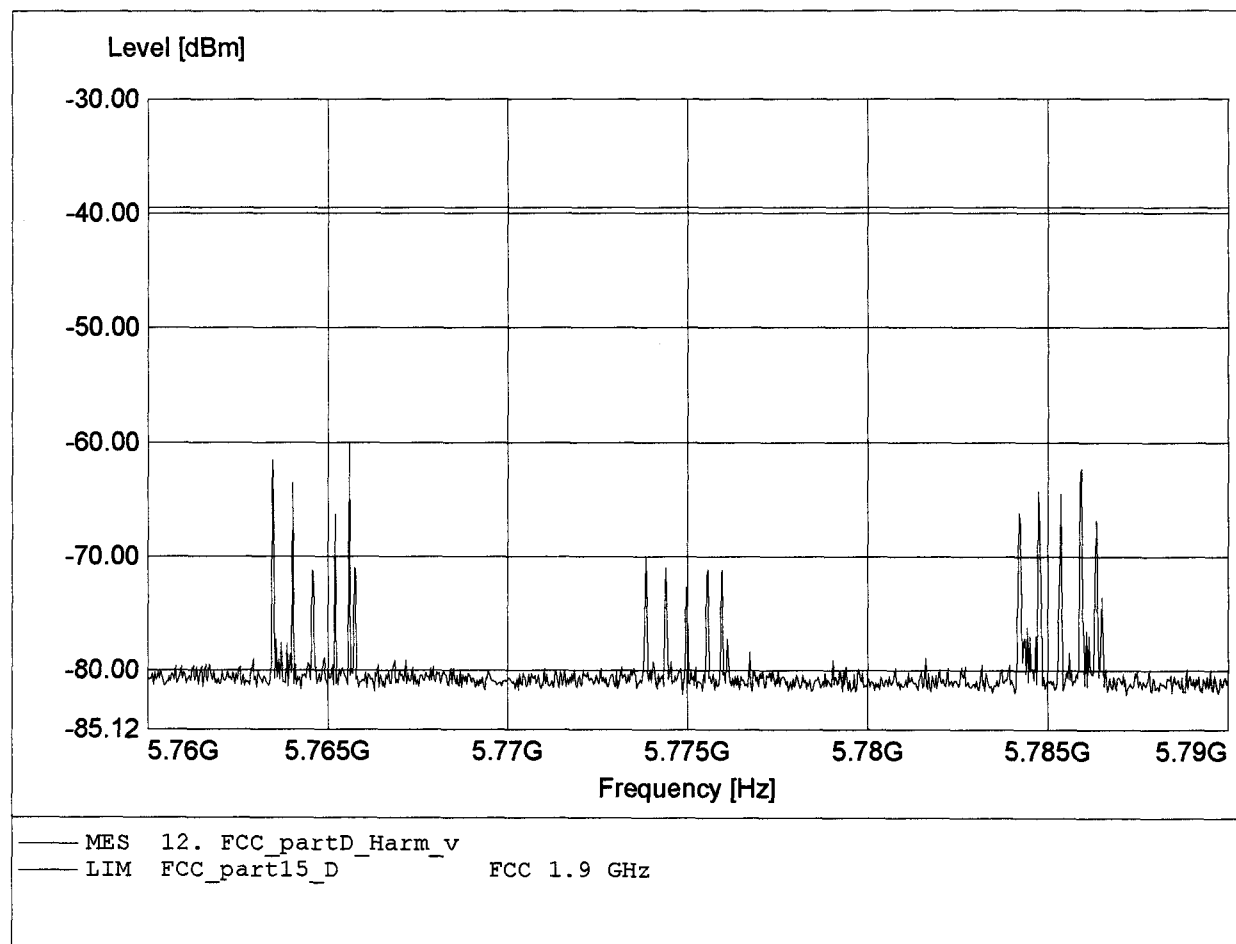
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: RTX3080
Model: 103 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:3.857GHz Pmax:-53.14dBm RBW:10 kHz



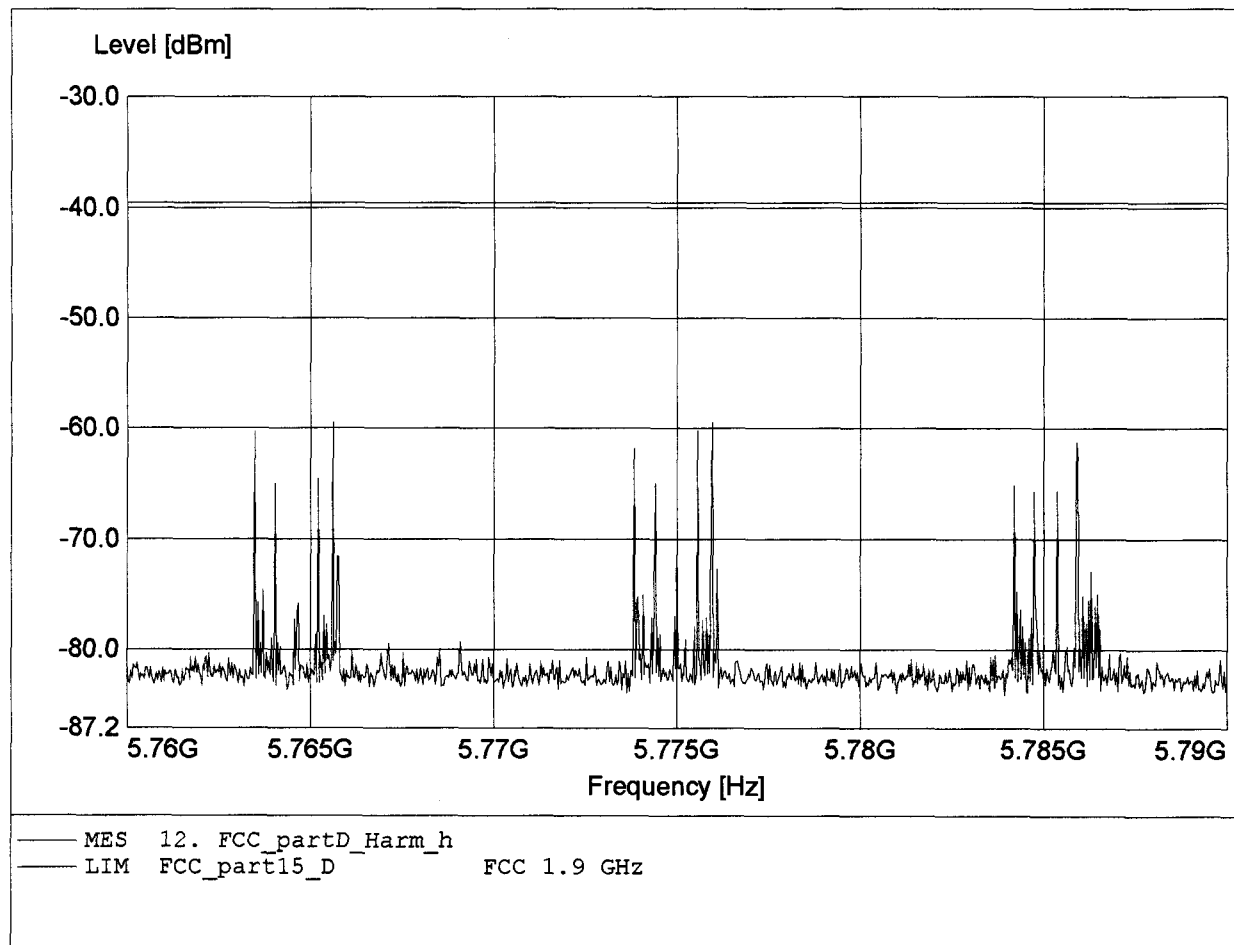
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: RTX3080
Model: 103 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:5.766GHz Pmax:-59.92dBm RBW:10 kHz



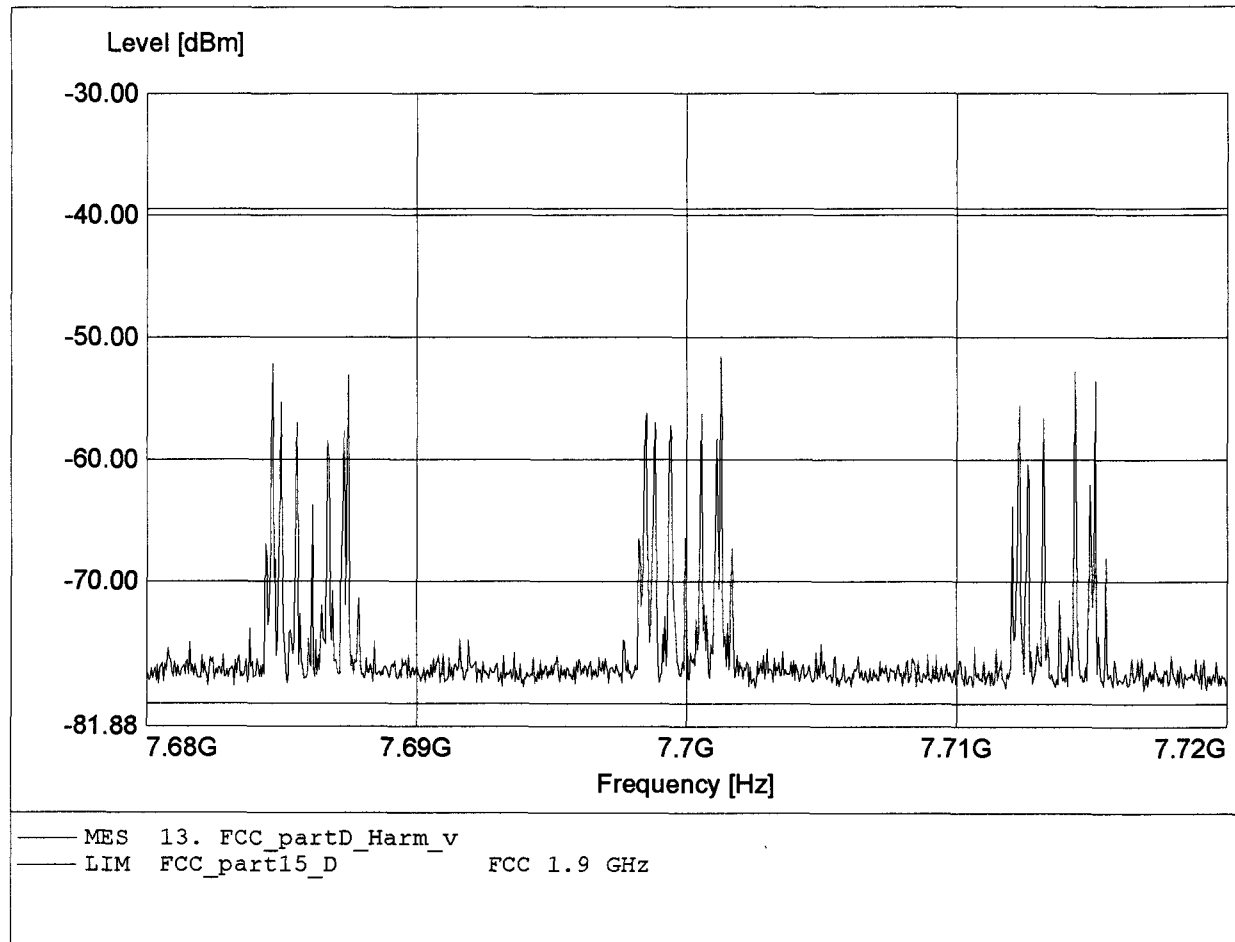
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:5.766GHz Pmax:-59.43dBm RBW:10 kHz



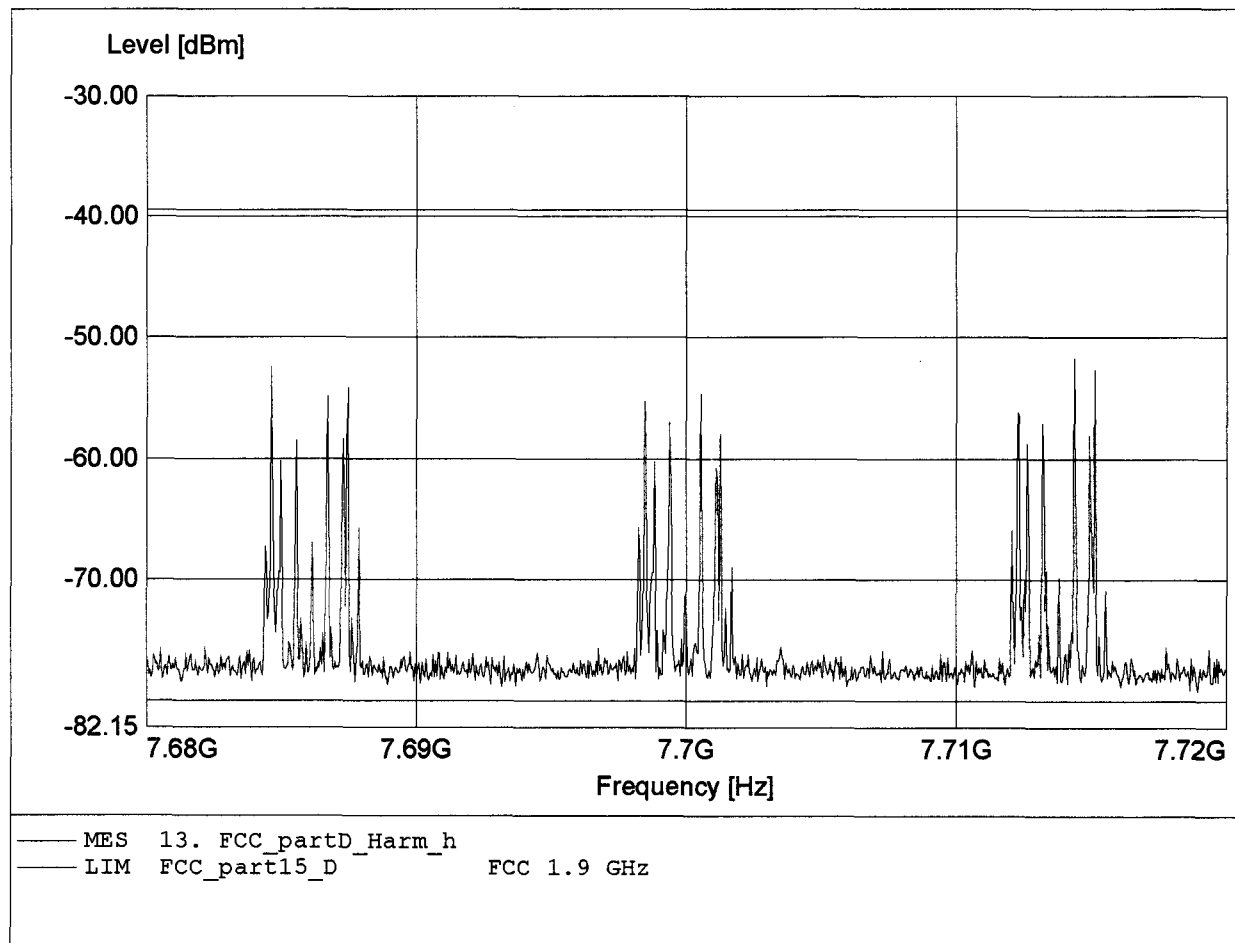
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:7.701GHz Pmax:-51.56dBm RBW:10 kHz



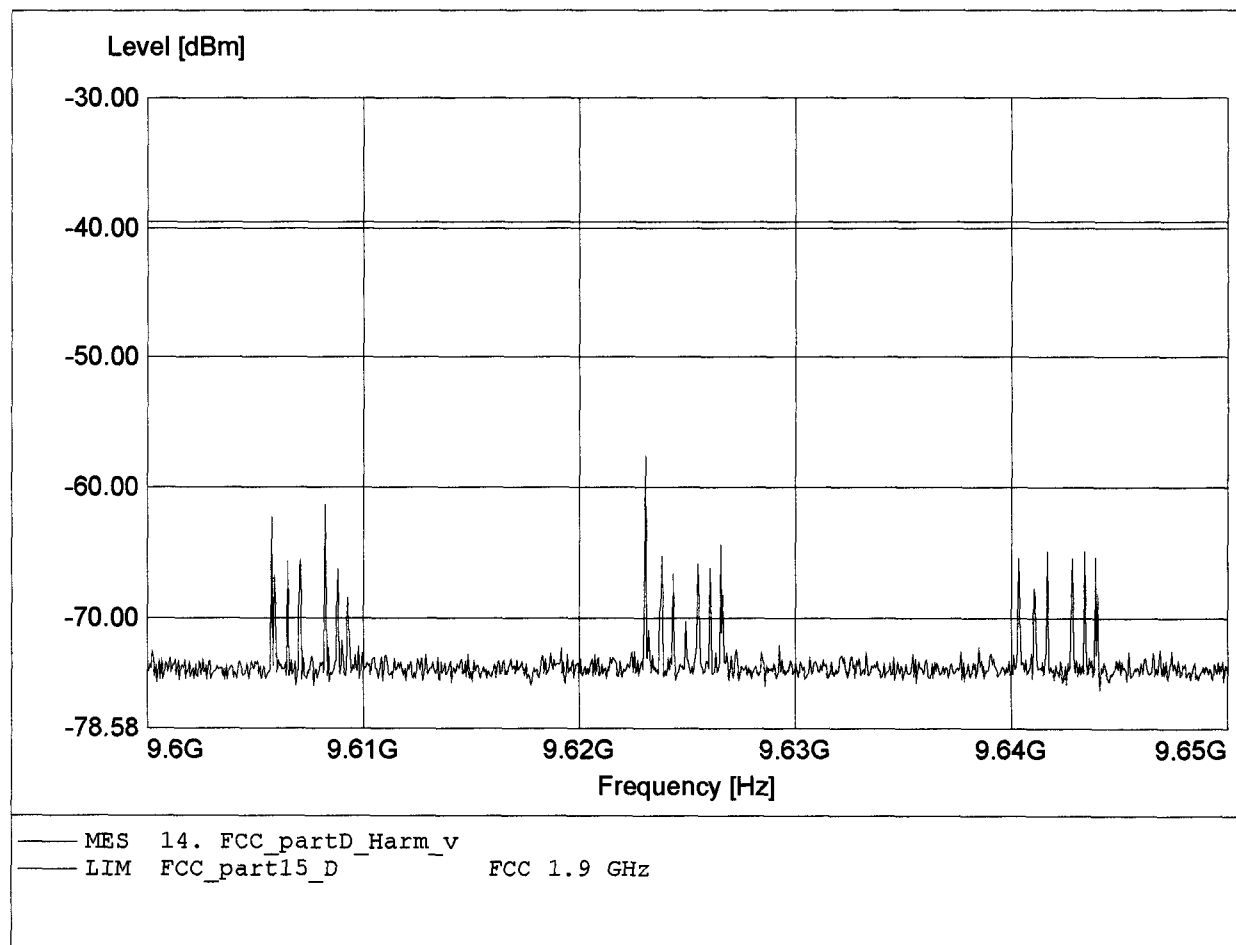
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:7.714GHz Pmax:-51.72dBm RBW:10 kHz



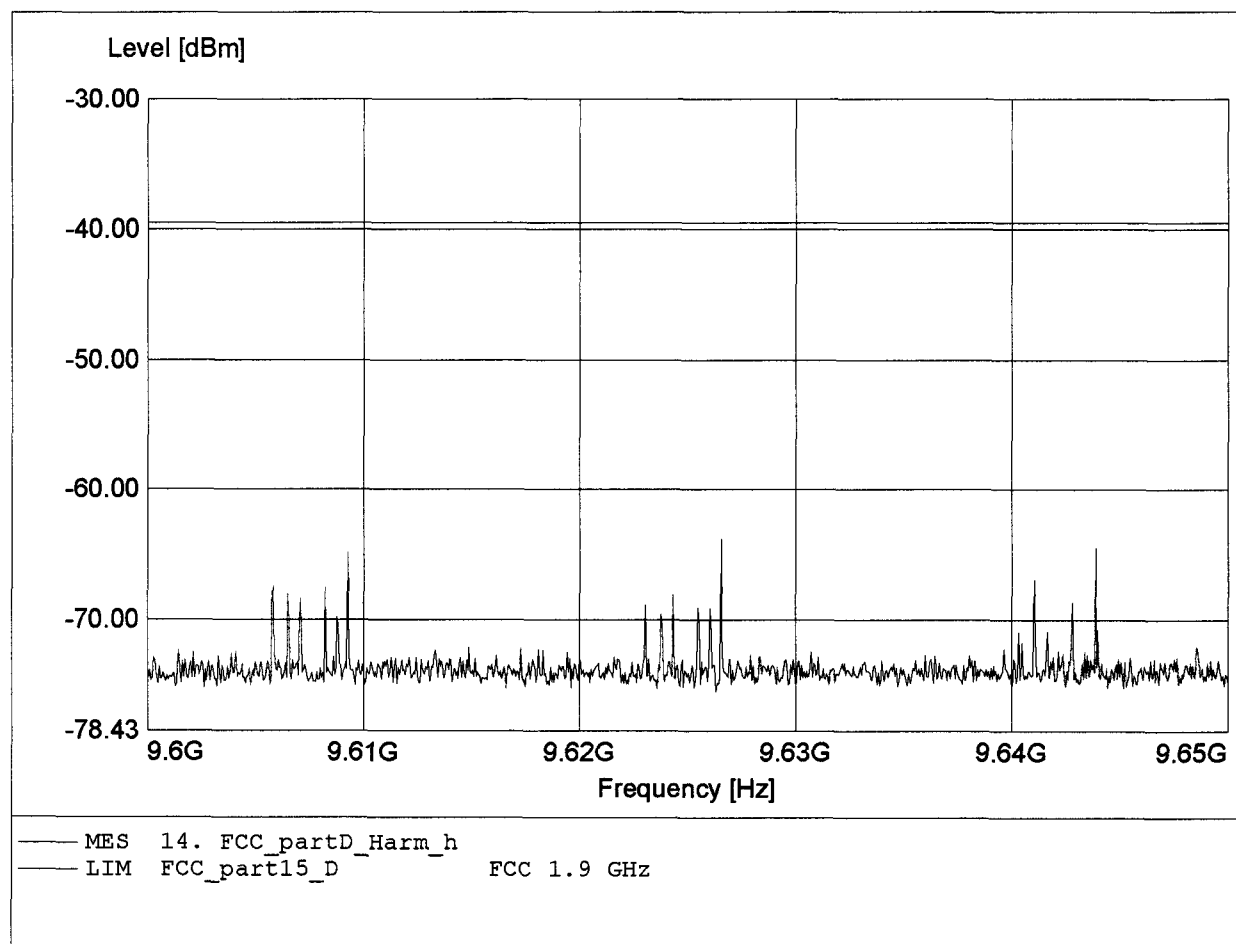
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:9.623GHz Pmax:-57.58dBm RBW:10 kHz



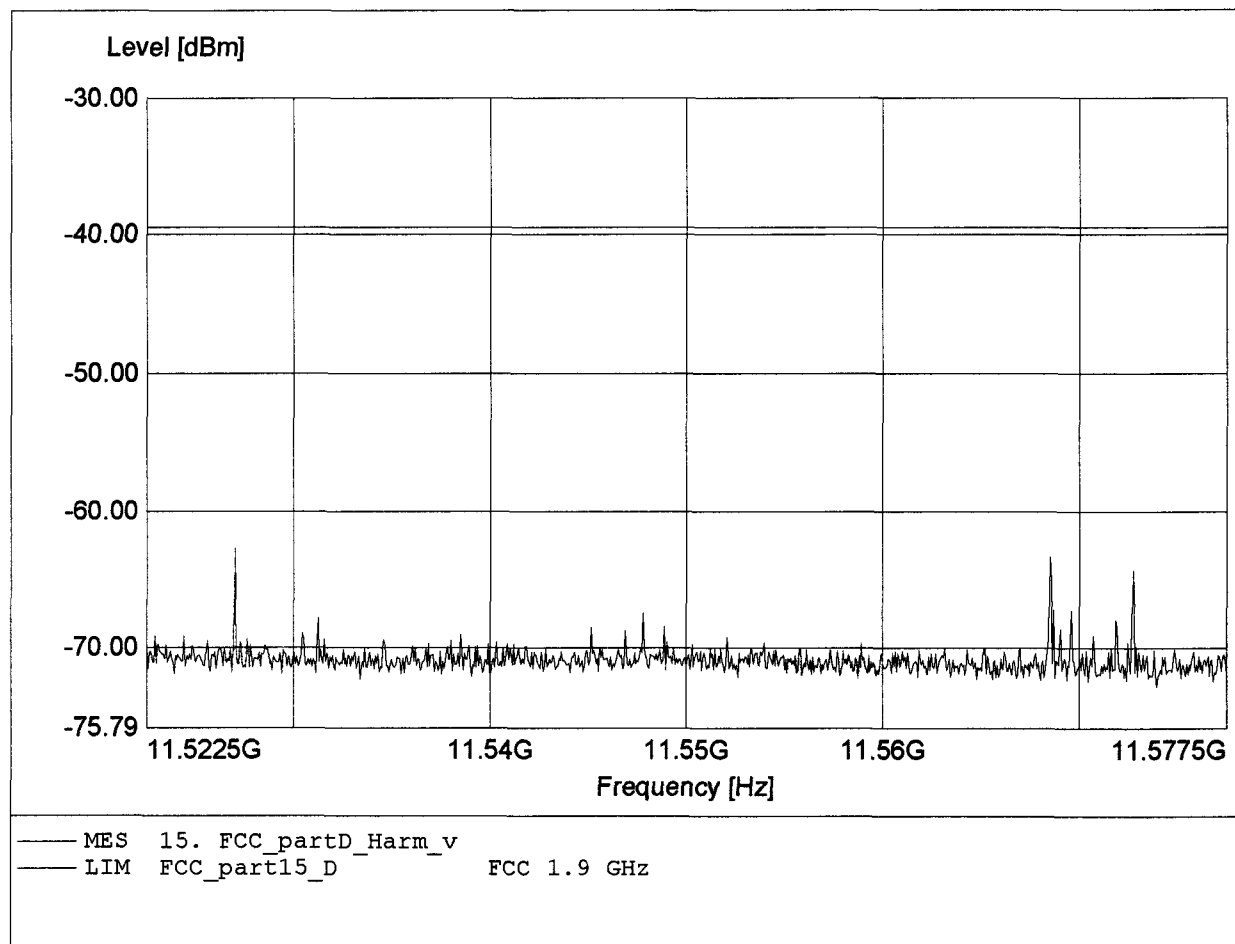
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:9.627GHz Pmax:-63.82dBm RBW:10 kHz



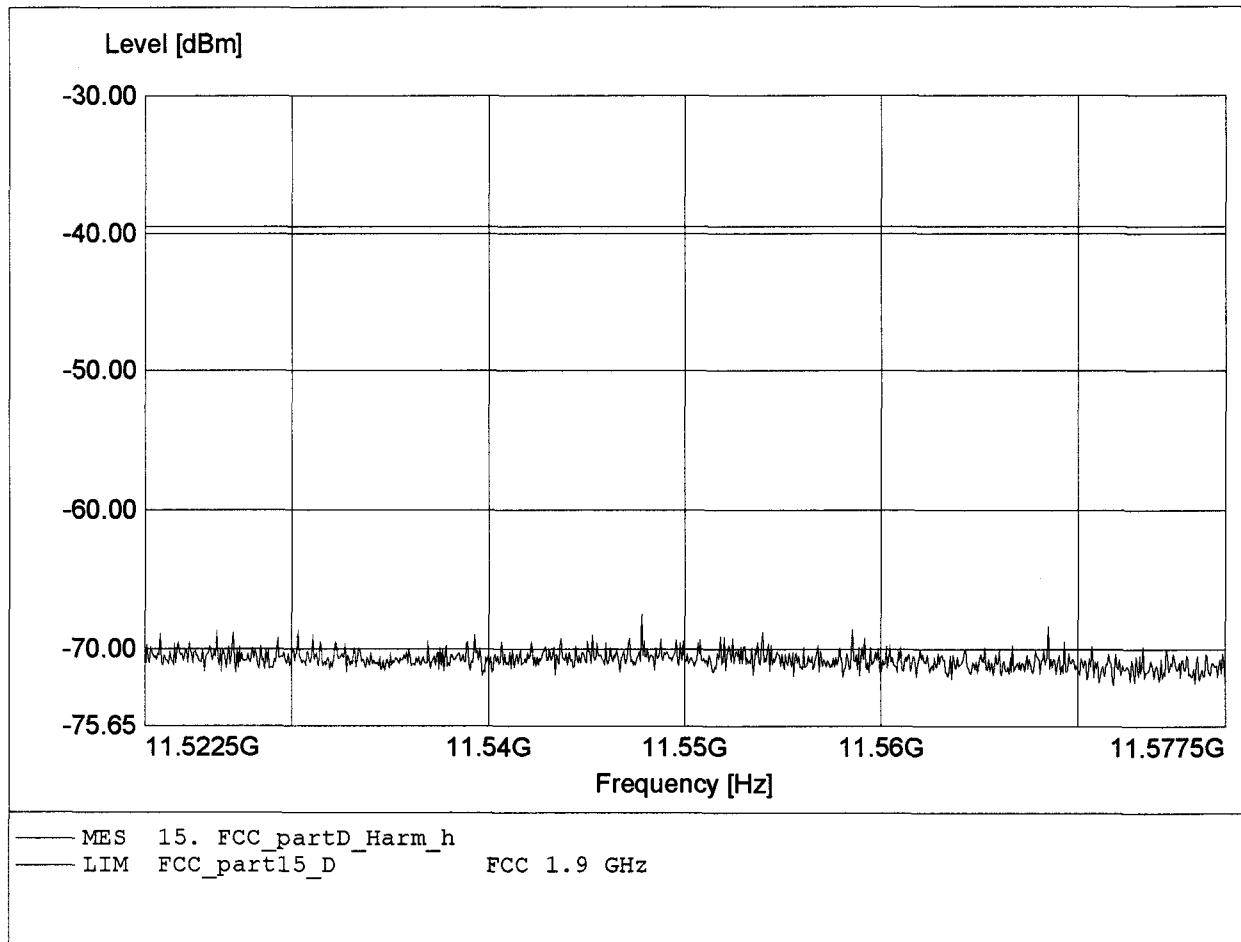
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:11.527GHz Pmax:-62.67dBm RBW:10 kHz



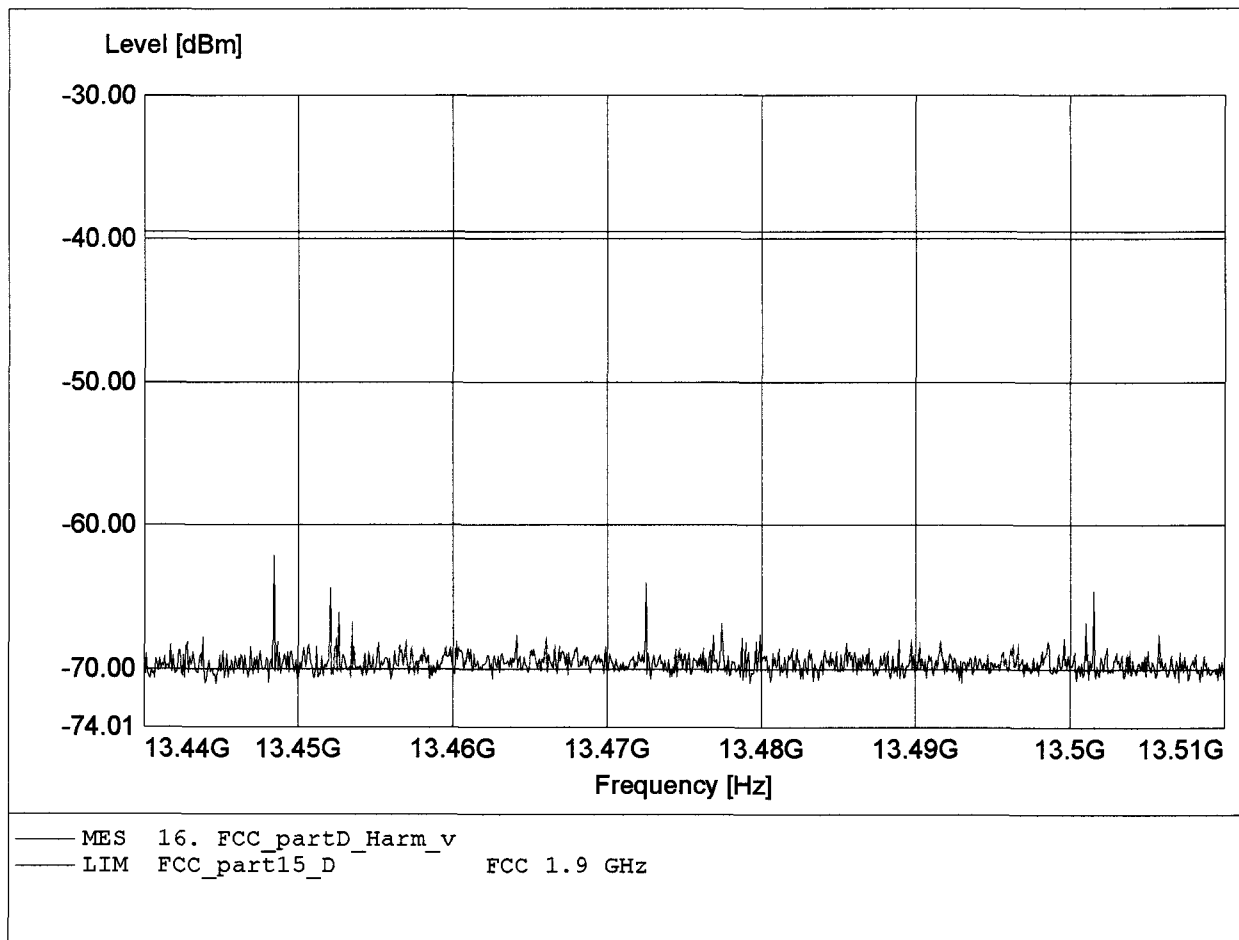
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:11.548GHz Pmax:-67.48dBm RBW:10 kHz



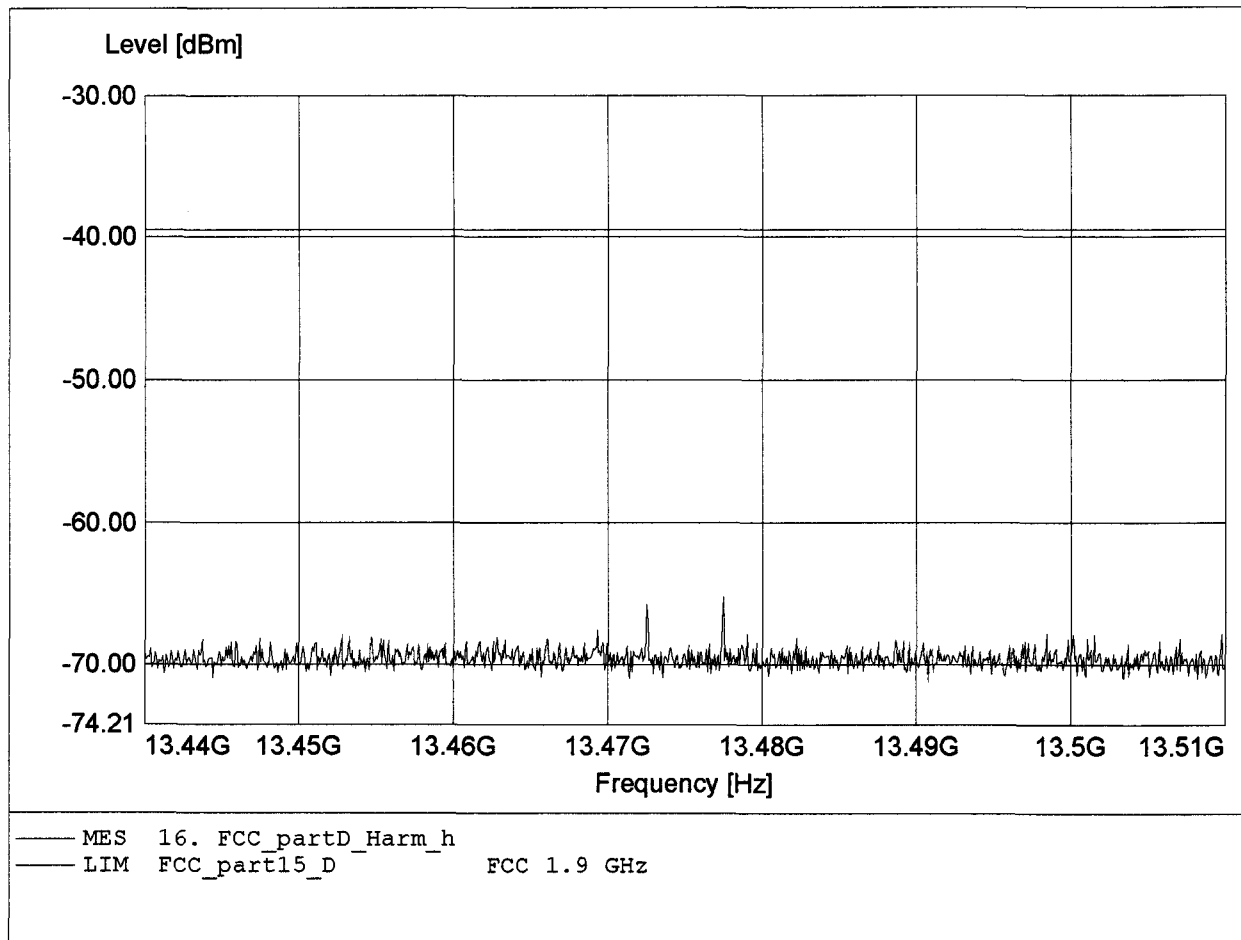
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:13.448GHz Pmax:-62.16dBm RBW:10 kHz



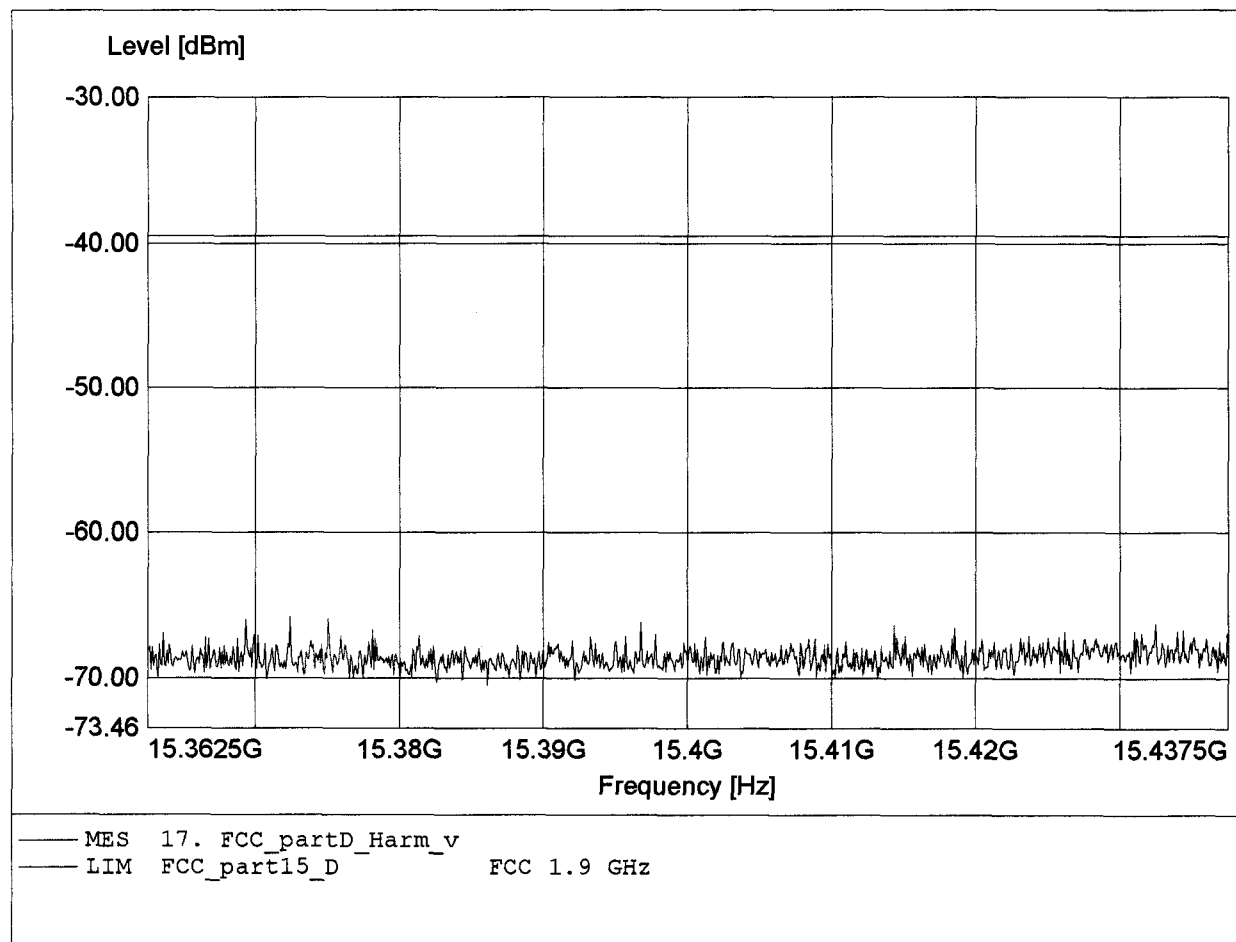
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:13.477GHz Pmax:-65.21dBm RBW:10 kHz



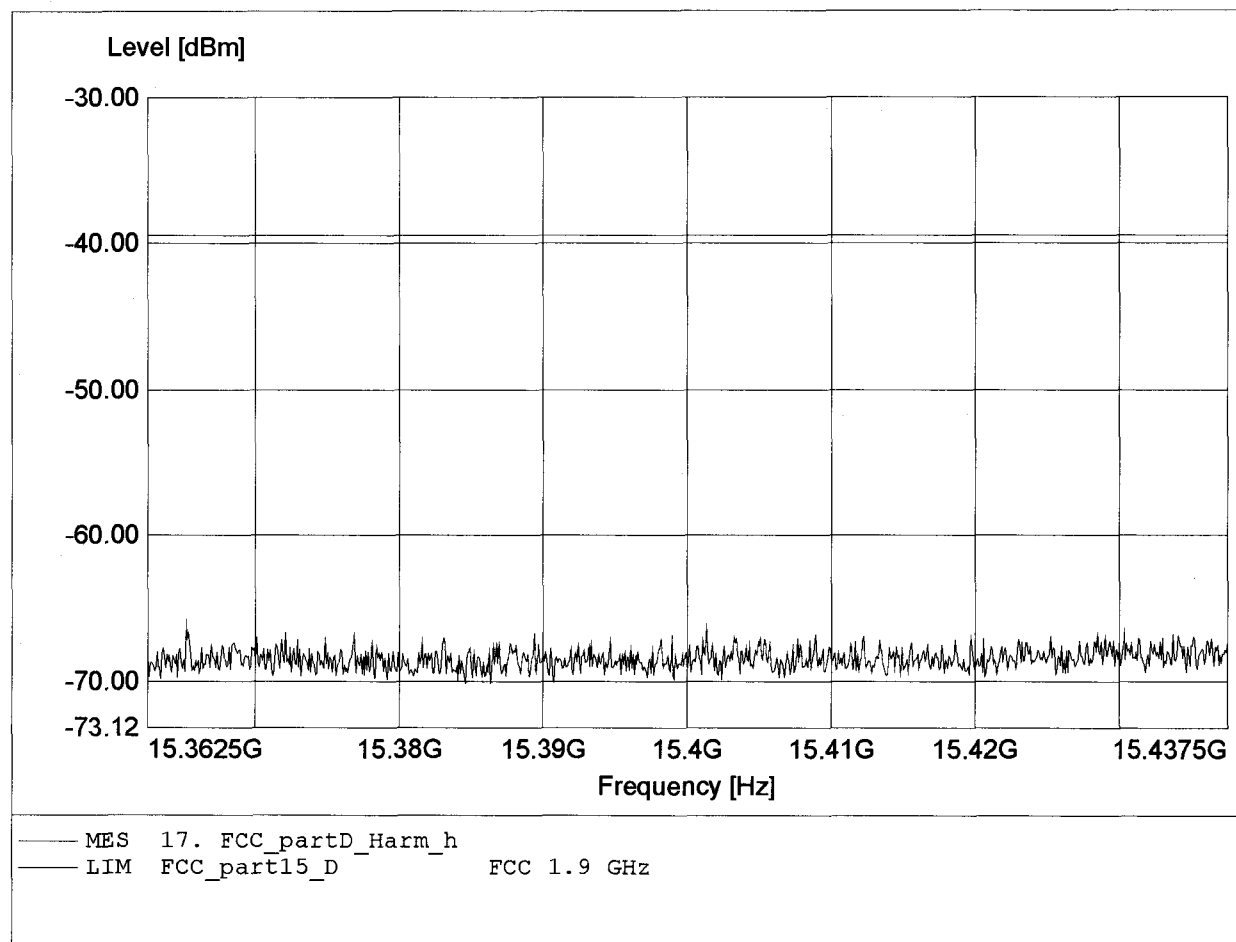
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:15.372GHz Pmax:-65.75dBm RBW:10 kHz



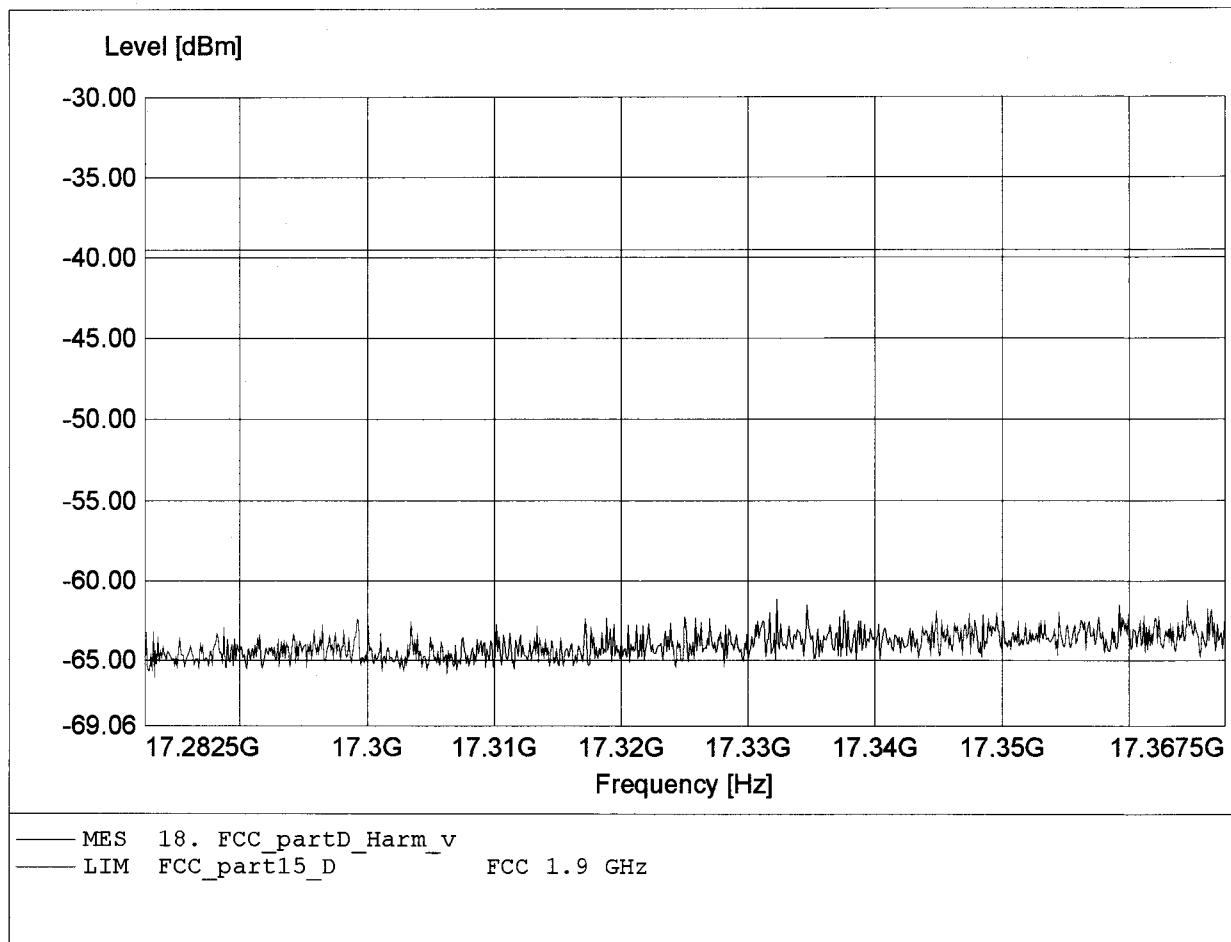
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:15.365GHz Pmax:-65.77dBm RBW:10 kHz



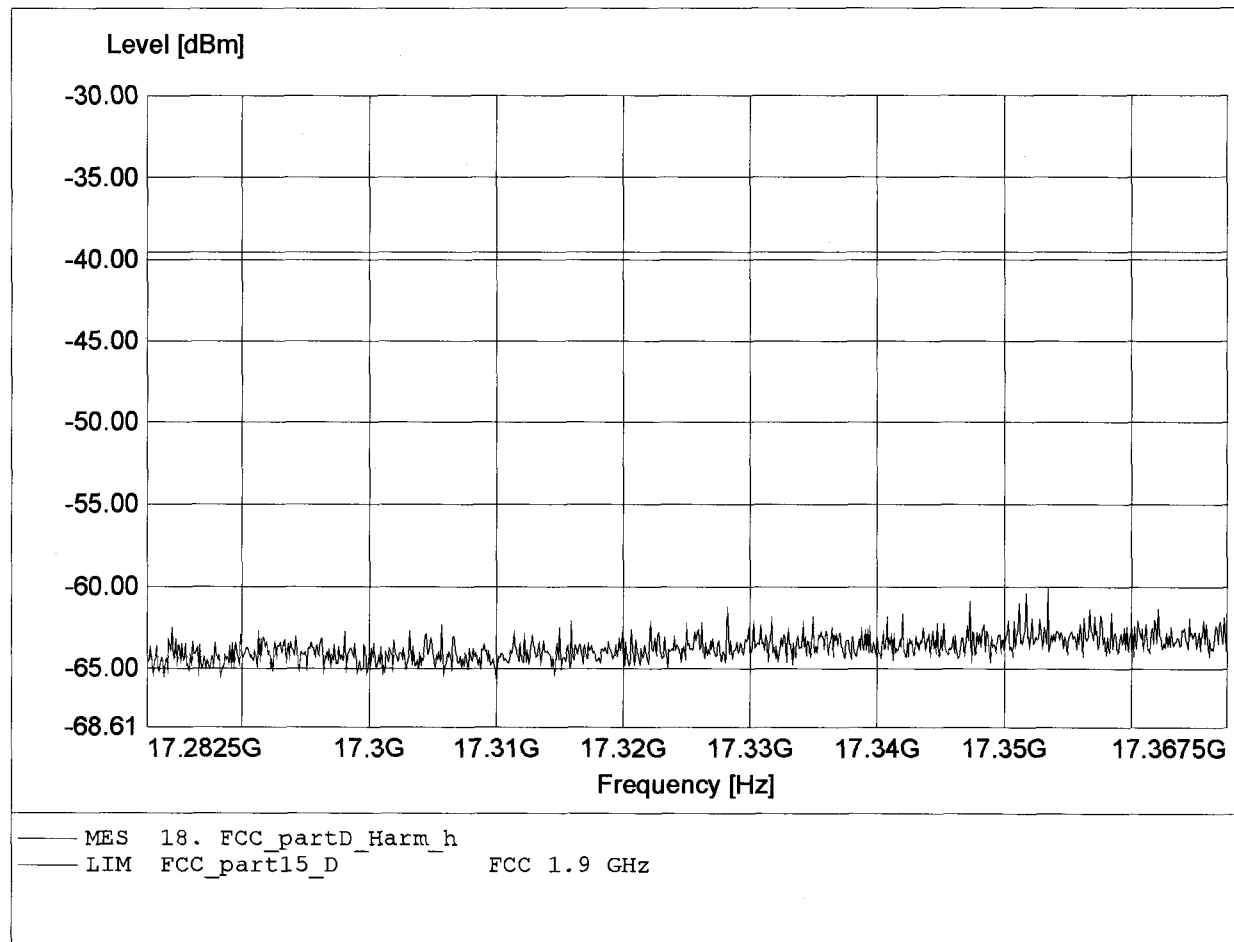
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:17.332GHz Pmax:-61.17dBm RBW:10 kHz



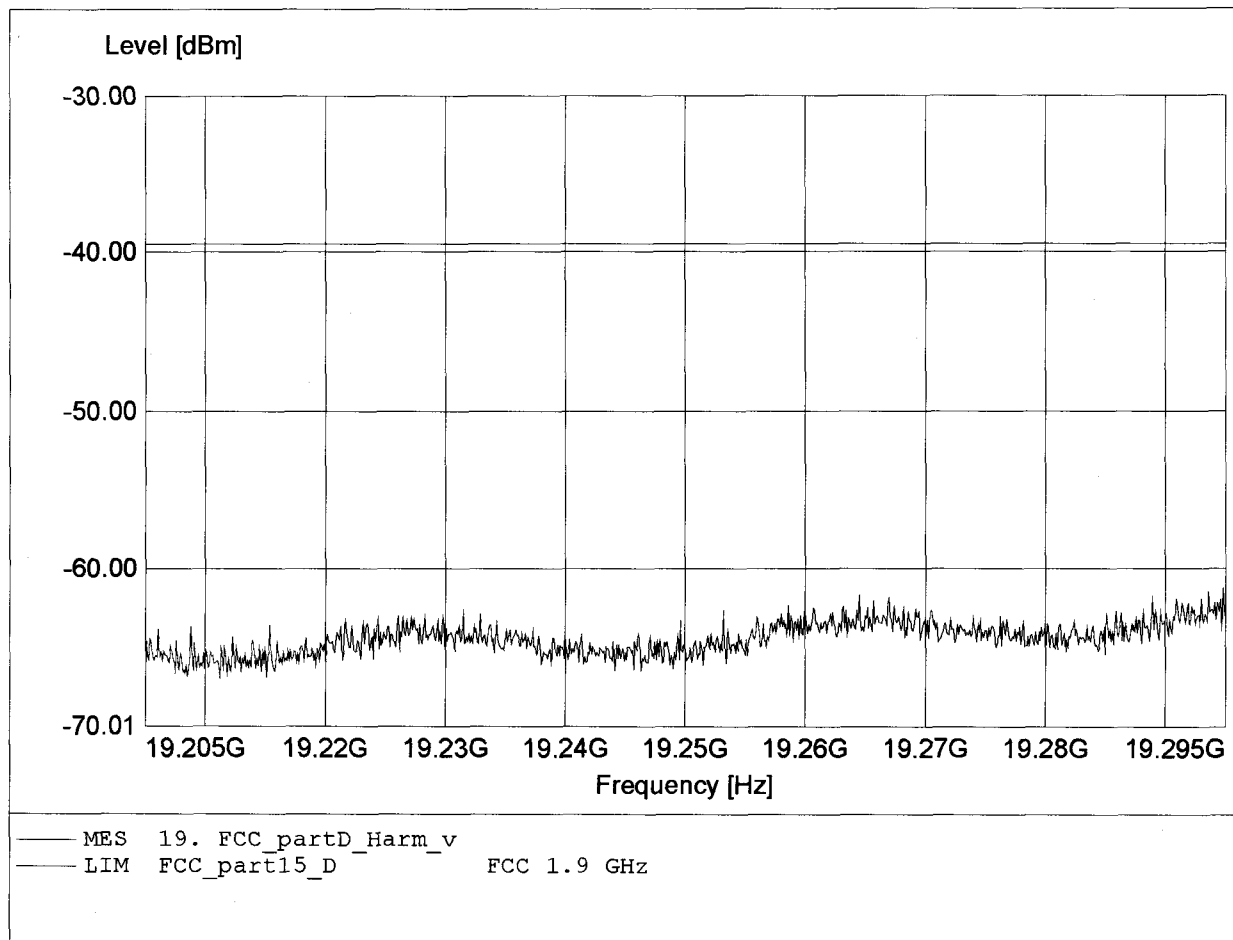
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:17.353GHz Pmax:-60.06dBm RBW:10 kHz



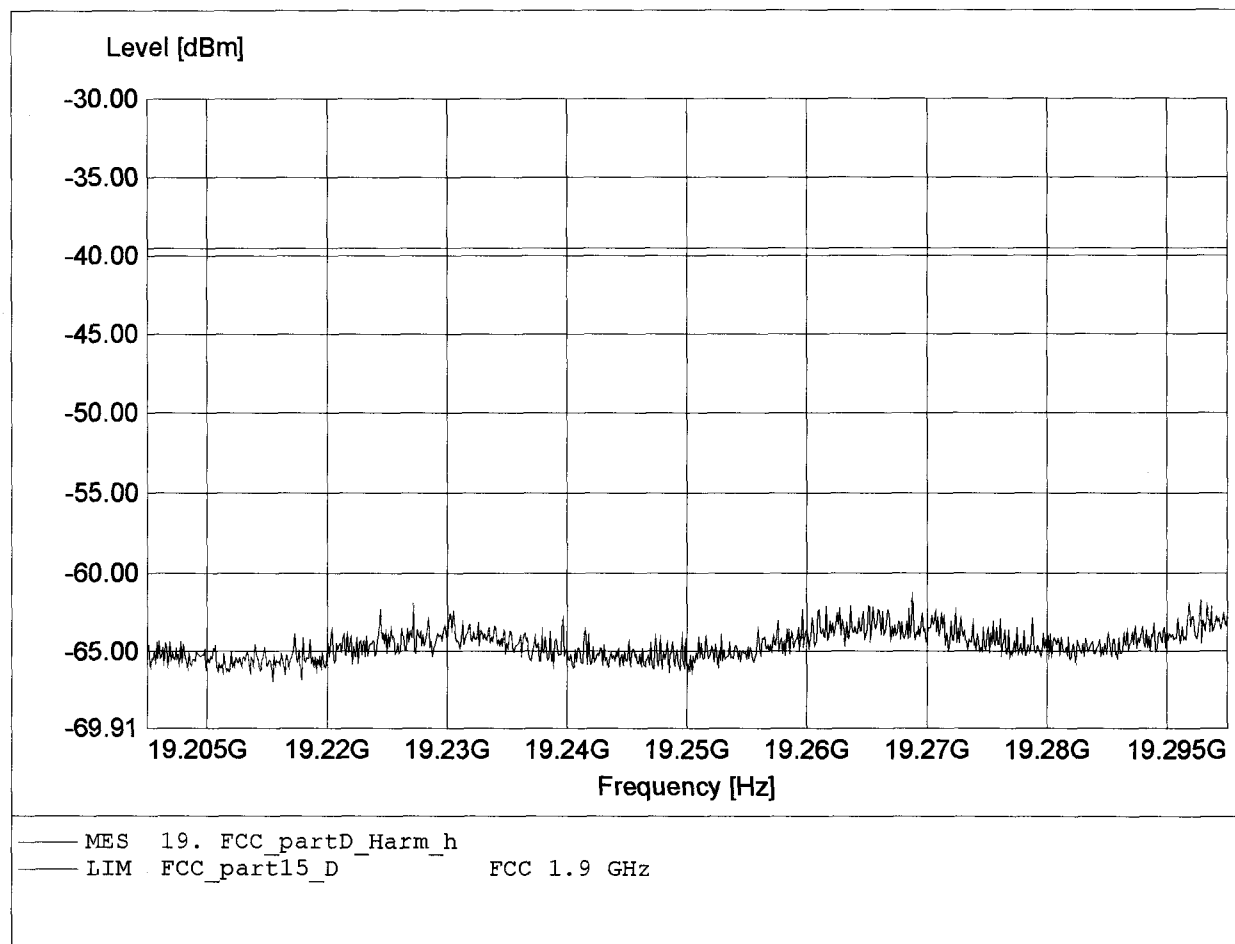
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:19.295GHz Pmax:-61.27dBm RBW:10 kHz



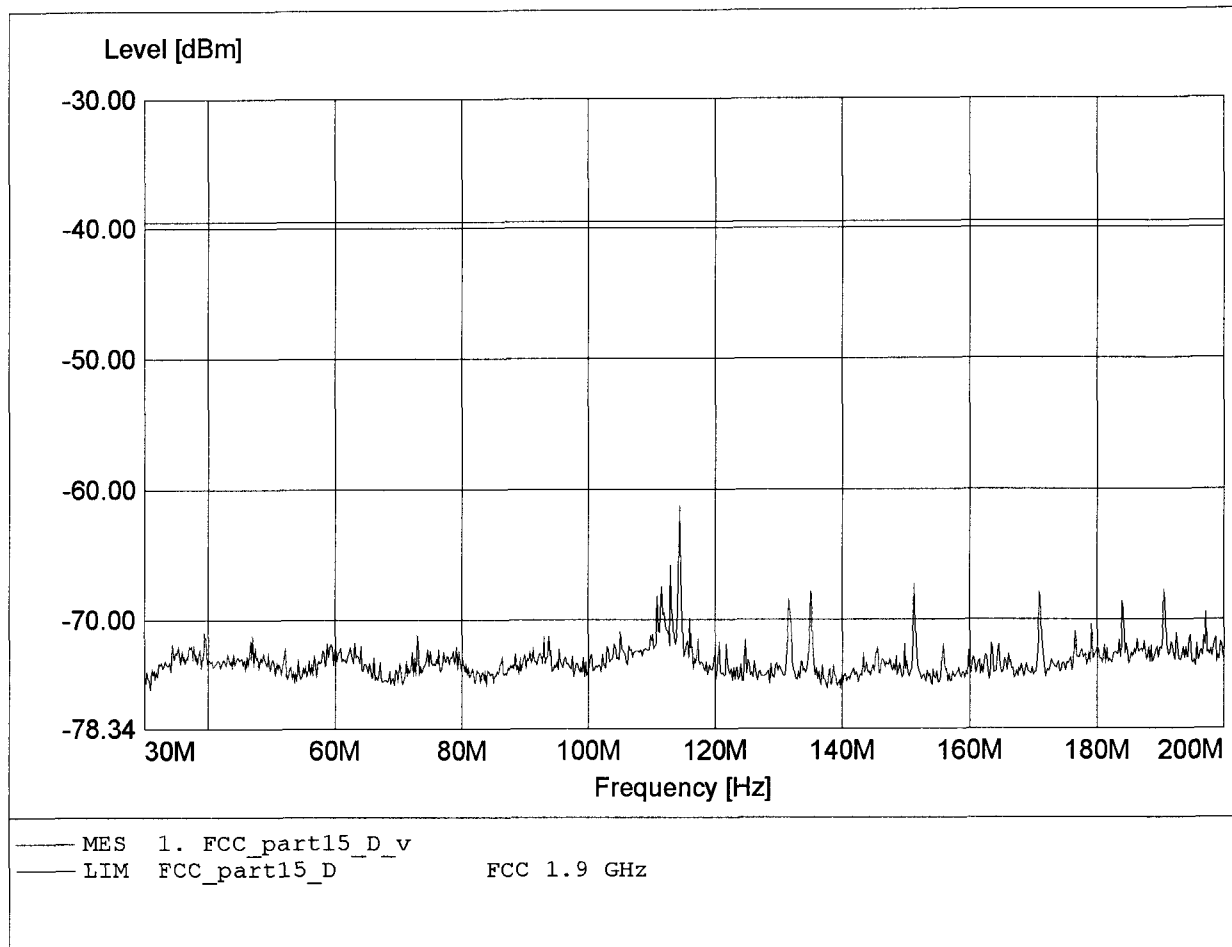
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:19.269GHz Pmax:-61.24dBm RBW:10 kHz



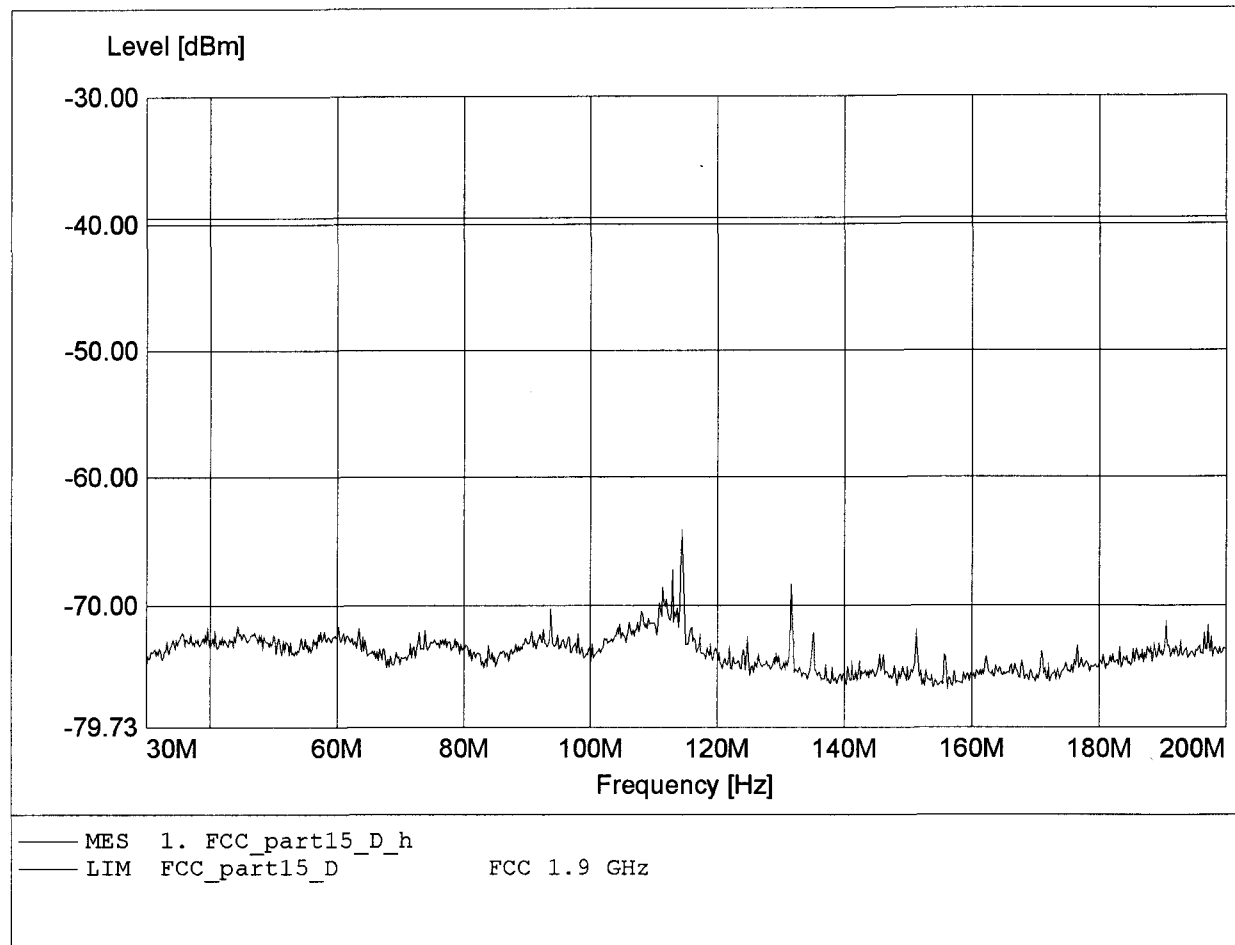
Spurious emissions under normal conditions
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HK 116,
Comment 2: Freq:114.433MHz Pmax:-61.25dBm RBW: 100 kHz



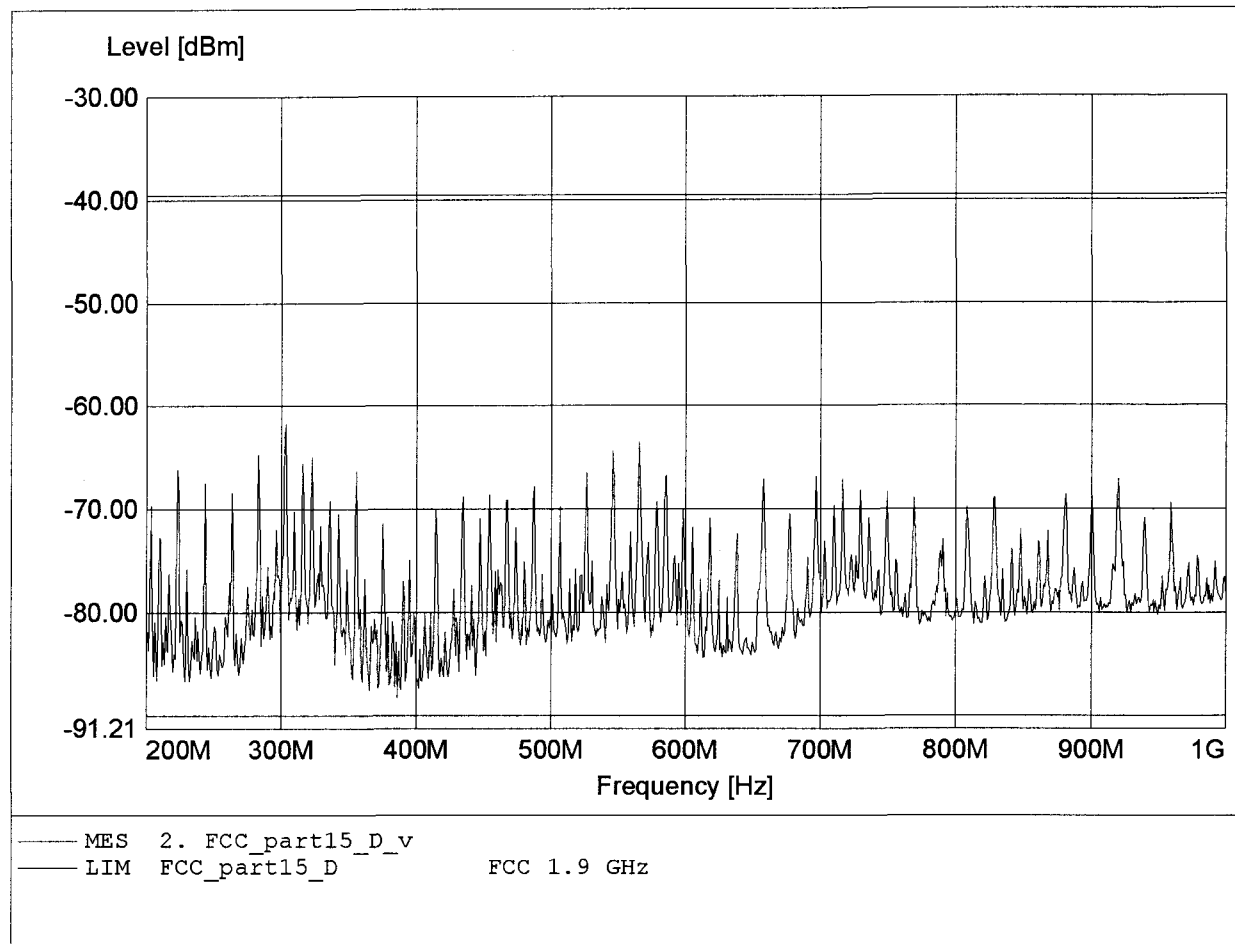
Spurious emissions under normal conditions
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HK 116,
Comment 2: Freq:114.433MHz Pmax:-64.06dBm RBW: 100 kHz



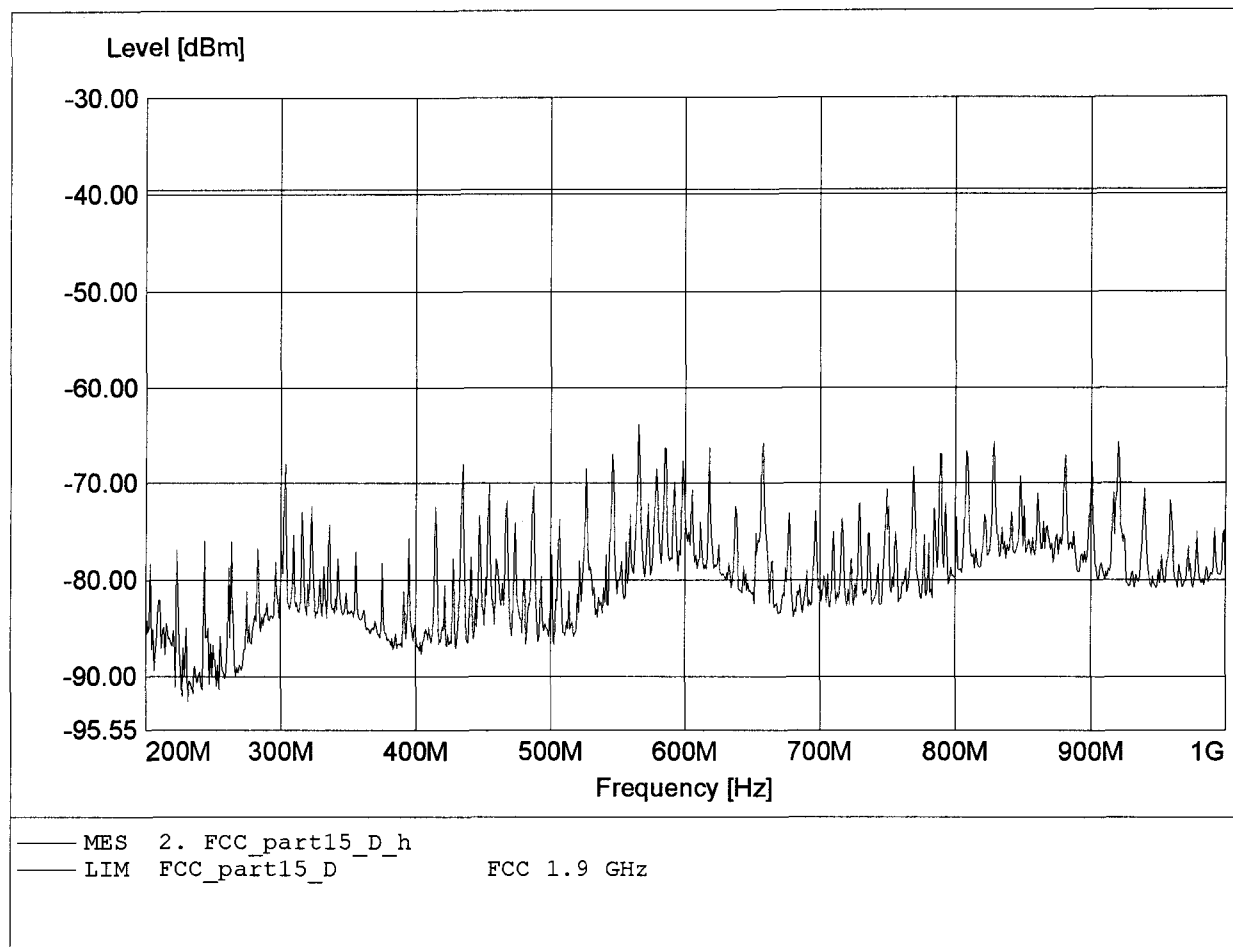
Spurious emissions under normal conditions
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:303.111MHz Pmax:-61.76dBm RBW: 100 kHz



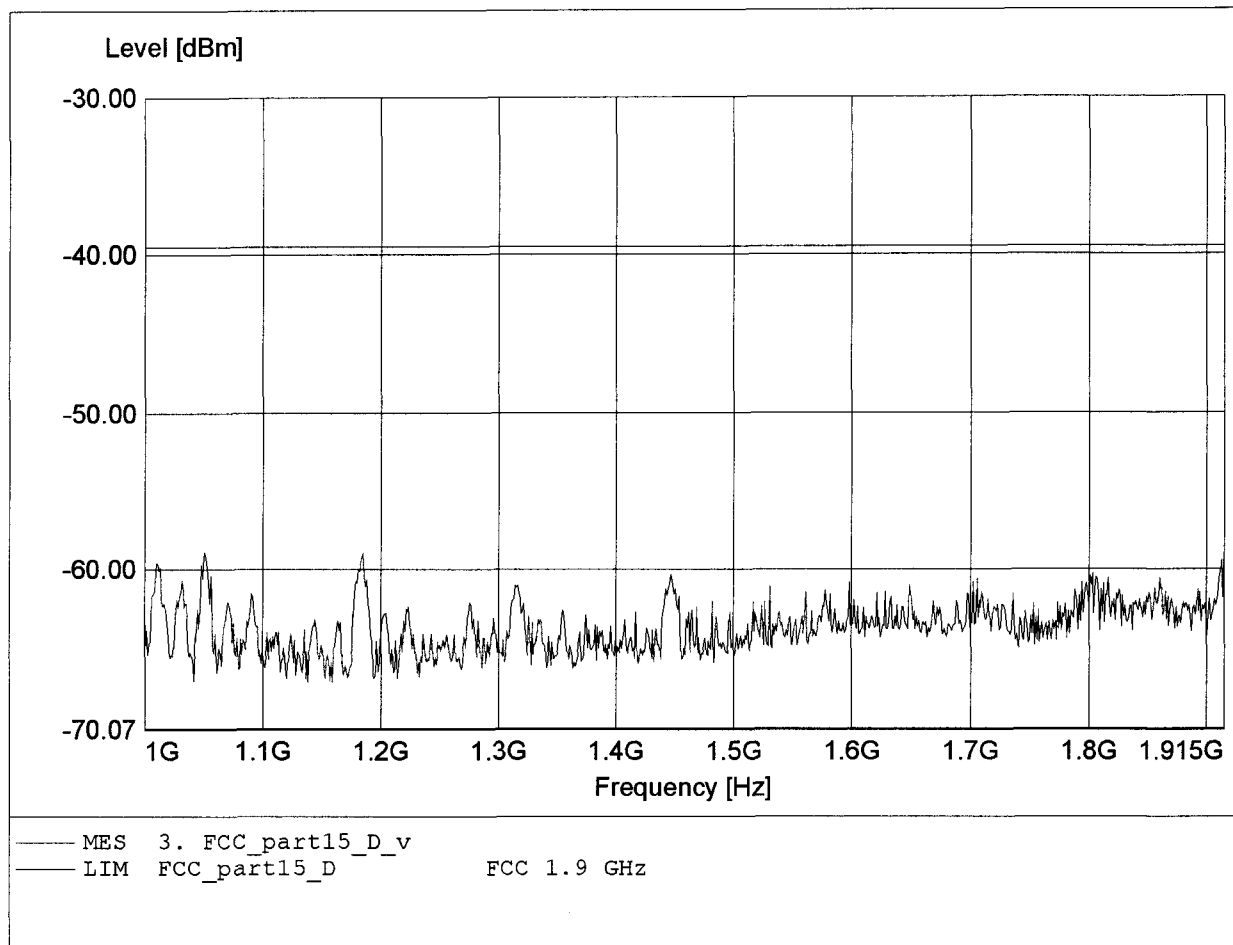
Spurious emissions under normal conditions
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:565.333MHz Pmax:-63.91dBm RBW: 100 kHz



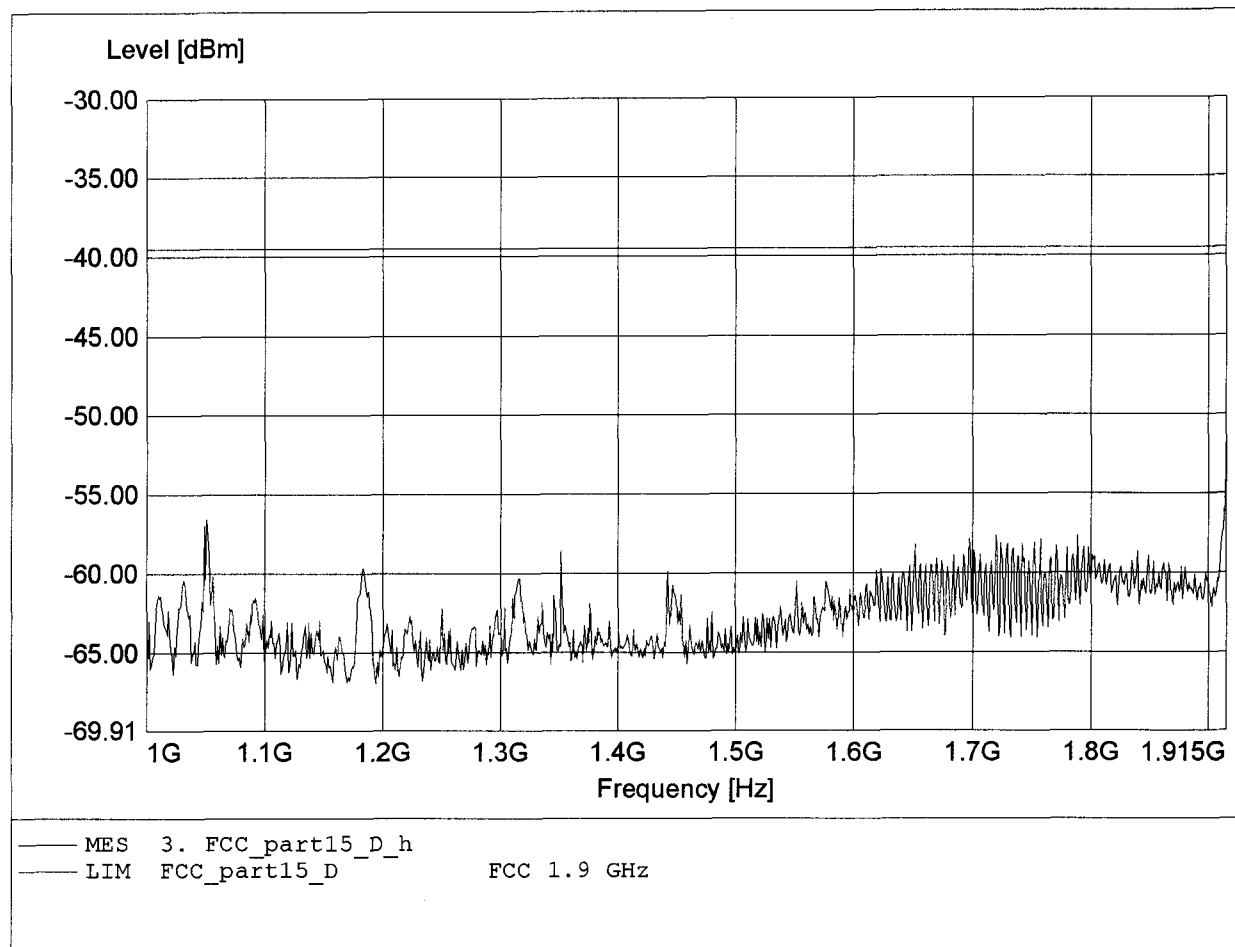
Spurious emissions under normal conditions
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.915GHz Pmax:-58.06dBm RBW: 1 MHz



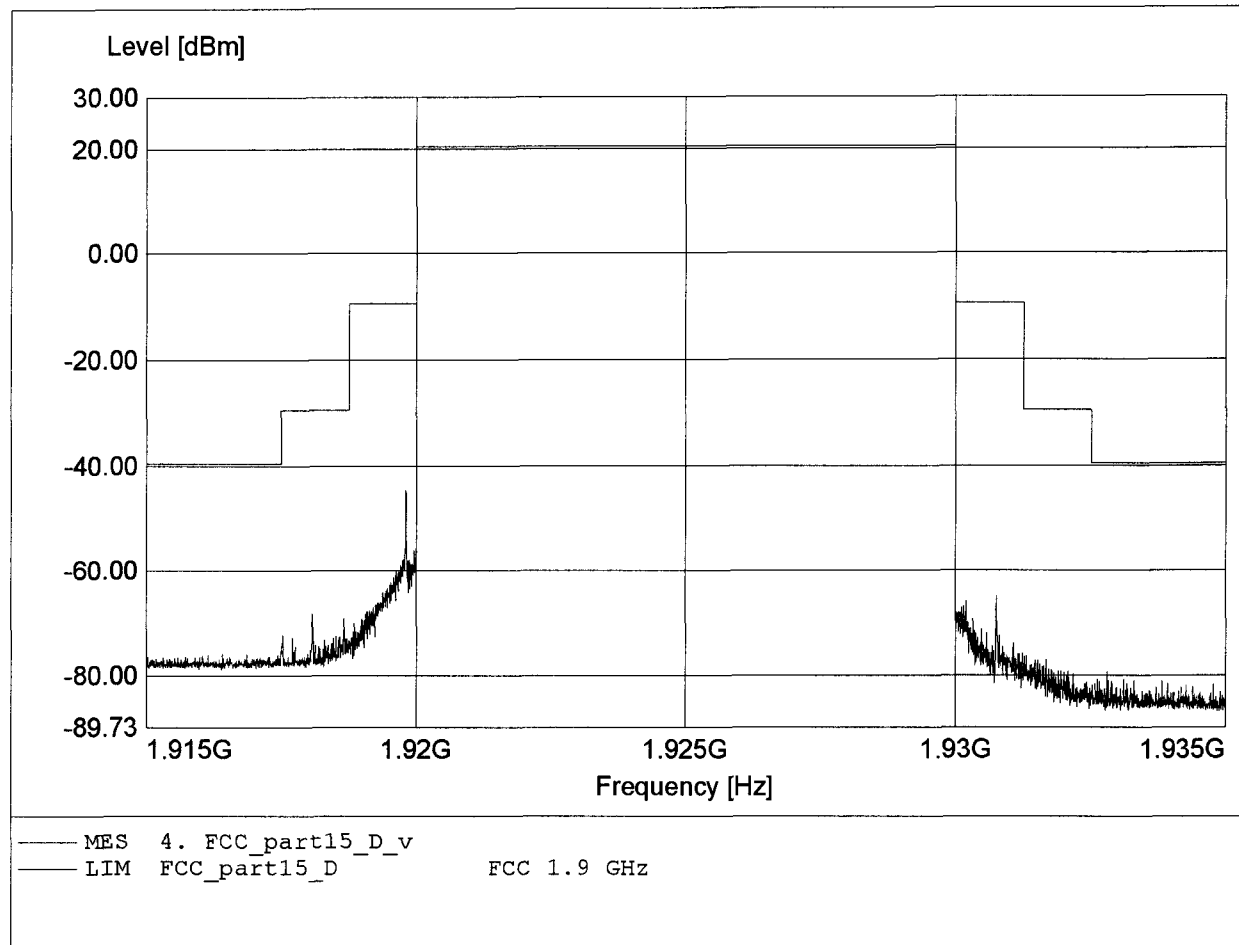
Spurious emissions under normal conditions
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.915GHz Pmax:-50.60dBm RBW: 1 MHz



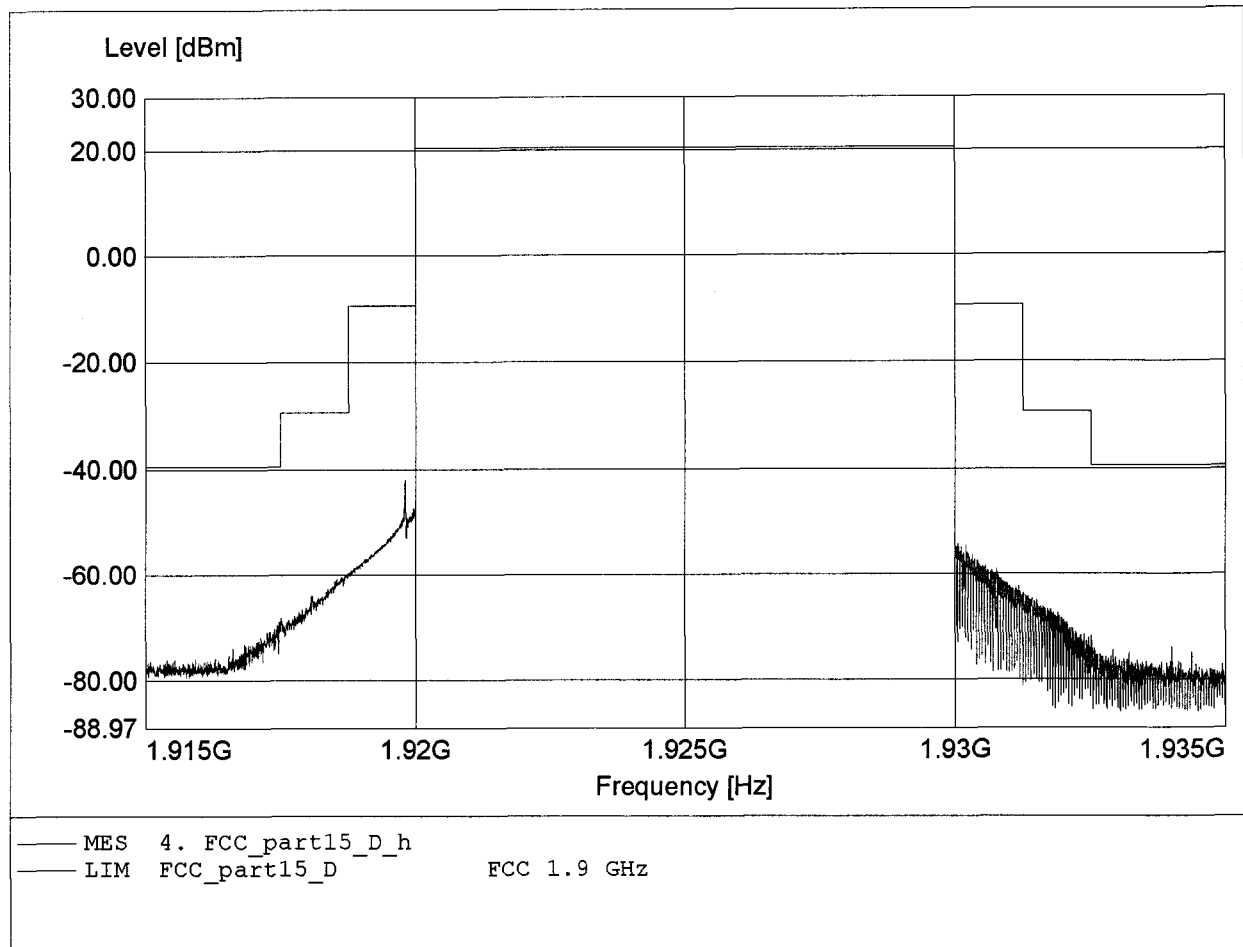
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.920GHz Pmax:-44.65dBm RBW:10 kHz



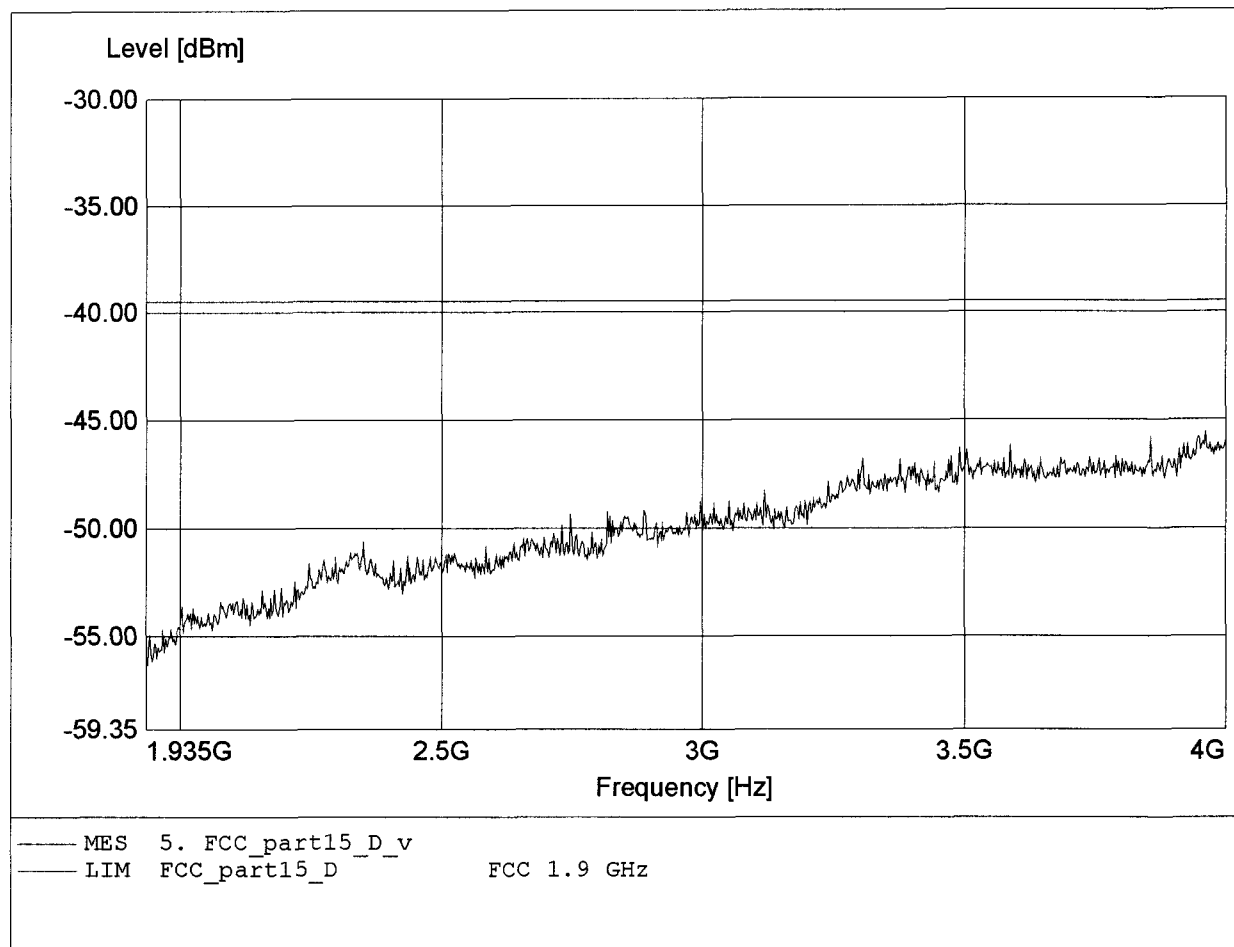
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.920GHz Pmax:-42.01dBm RBW:10 kHz



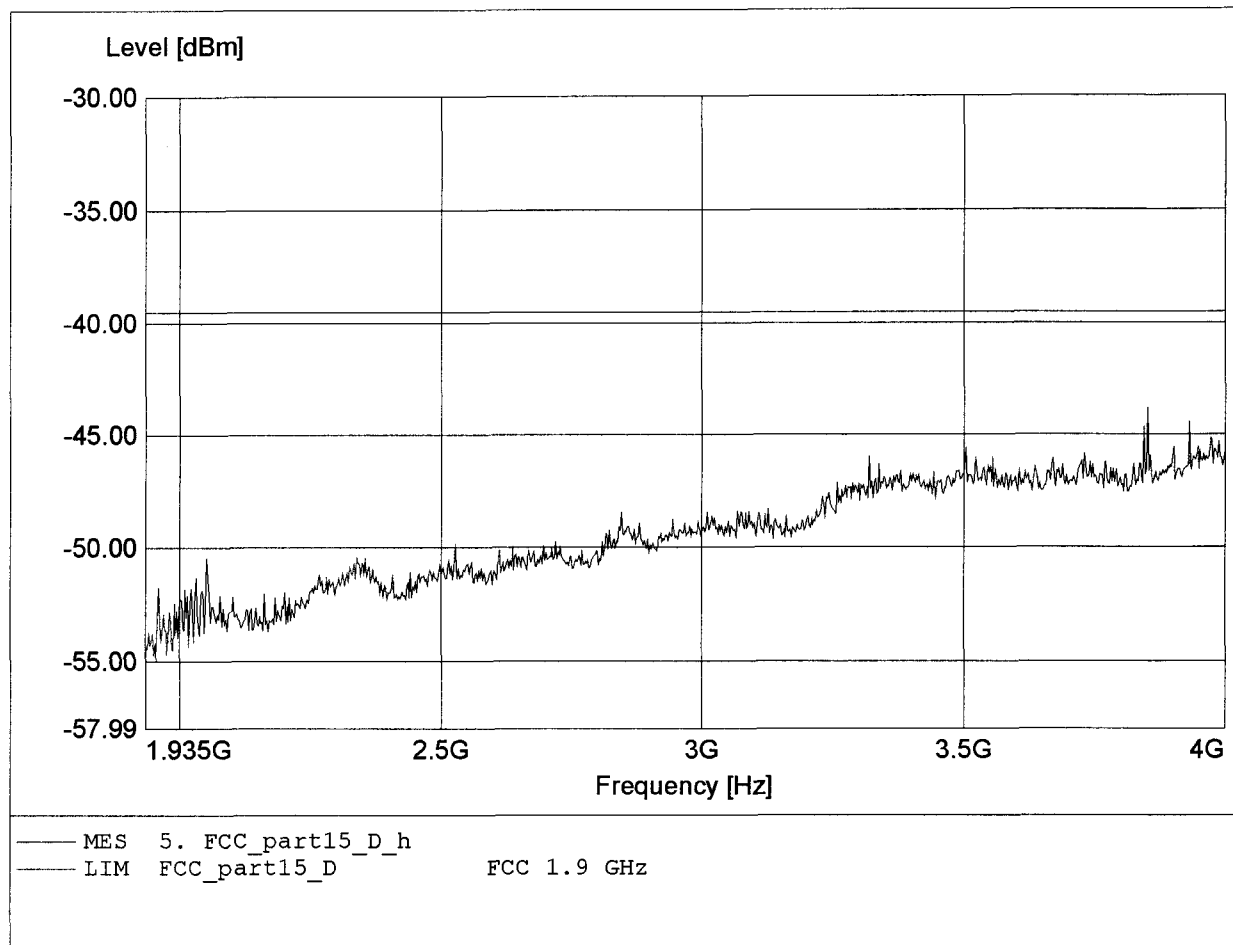
Spurious emissions under normal conditions
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:3.961GHz Pmax:-45.55dBm RBW: 1 MHz



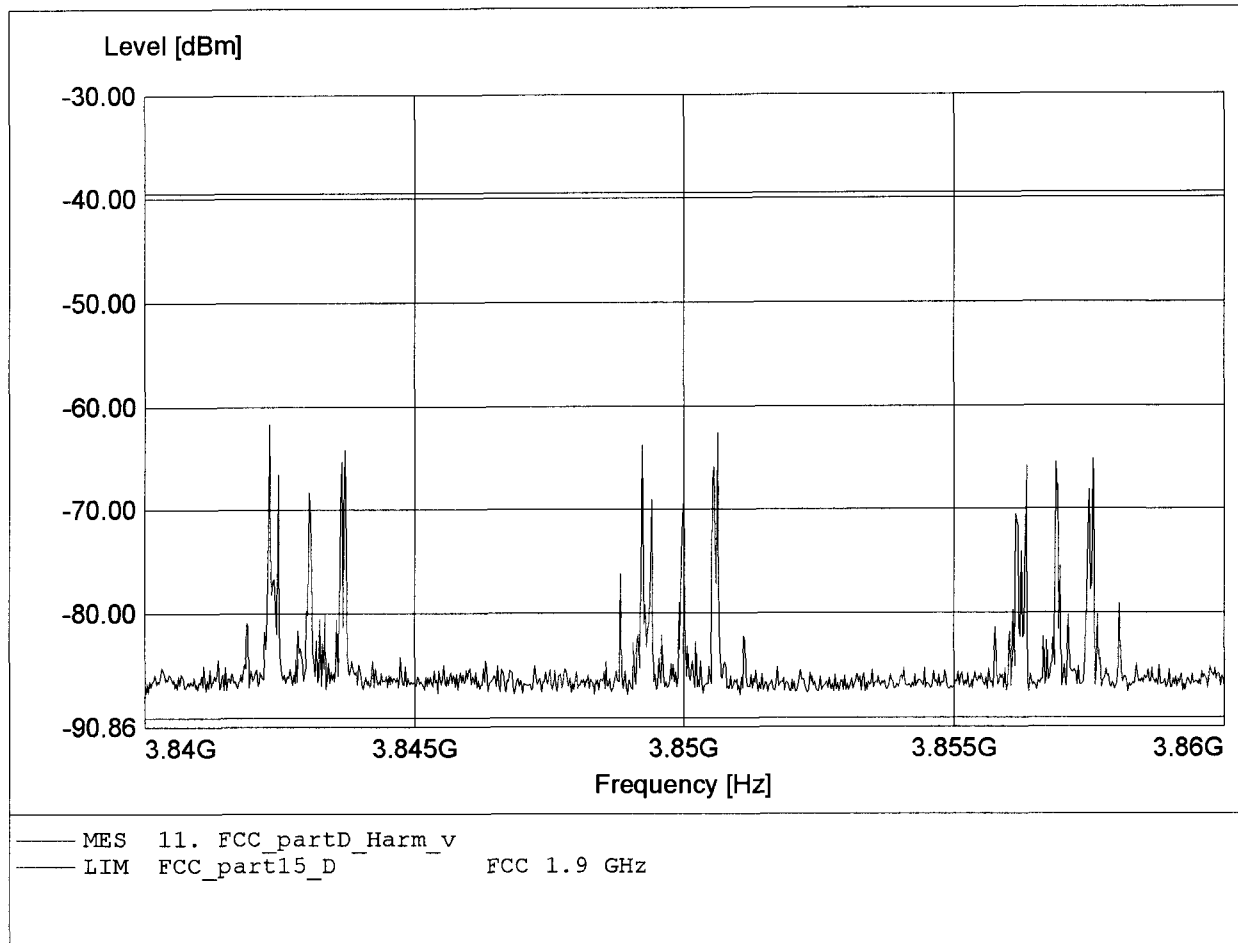
Spurious emissions under normal conditions
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:3.851GHz Pmax:-43.81dBm RBW: 1 MHz



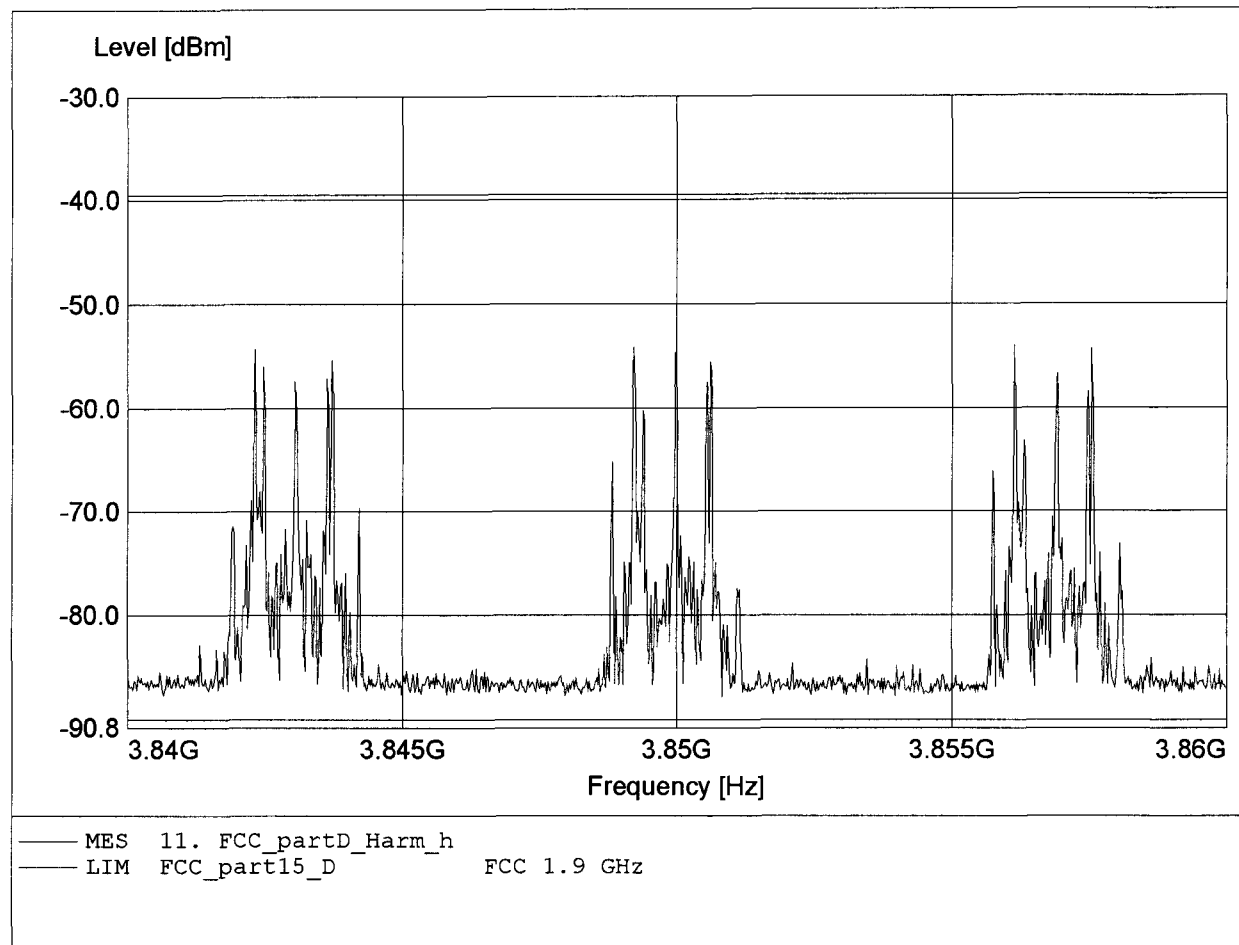
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:3.842GHz Pmax:-61.64dBm RBW:10 kHz



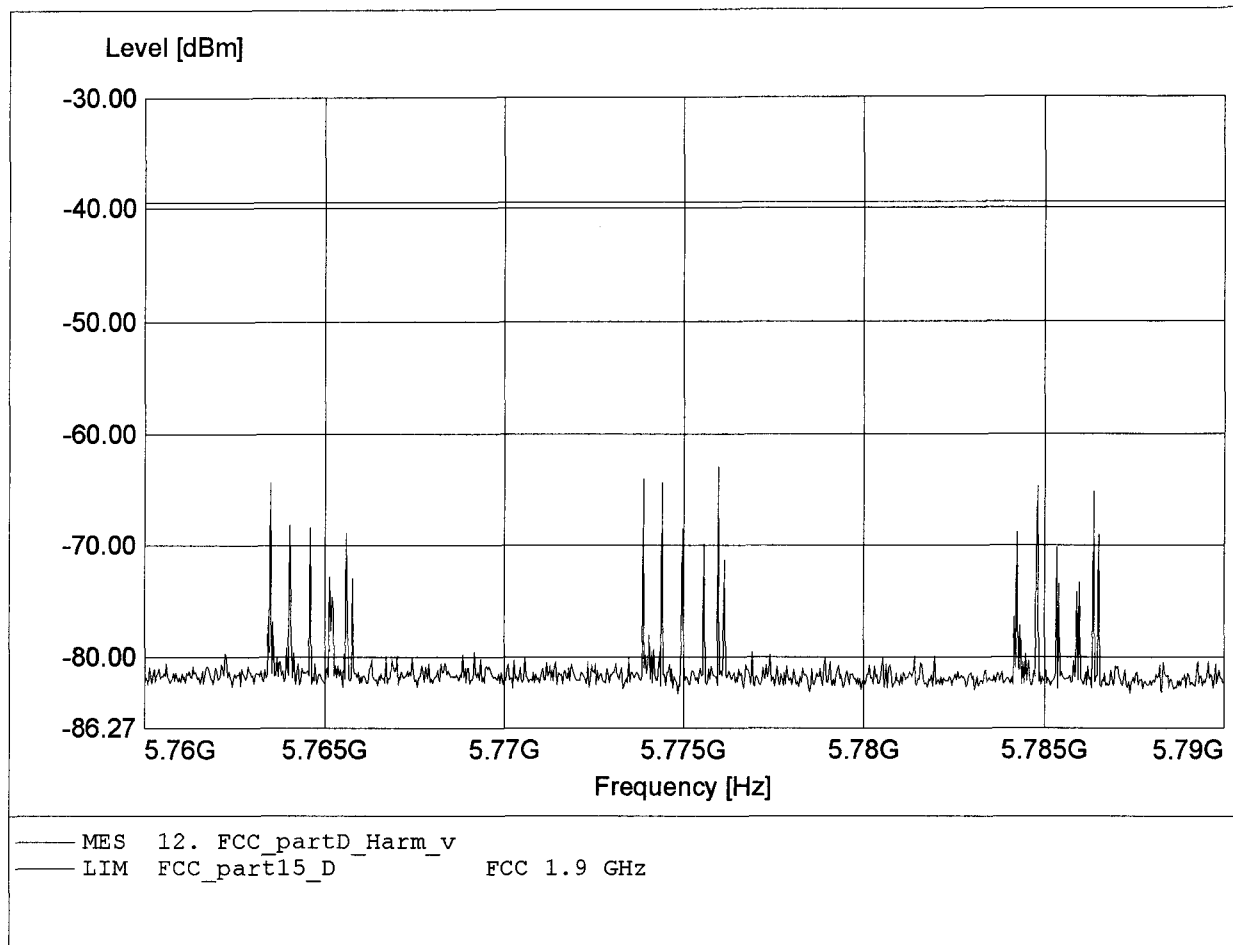
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:3.856GHz Pmax:-53.90dBm RBW:10 kHz



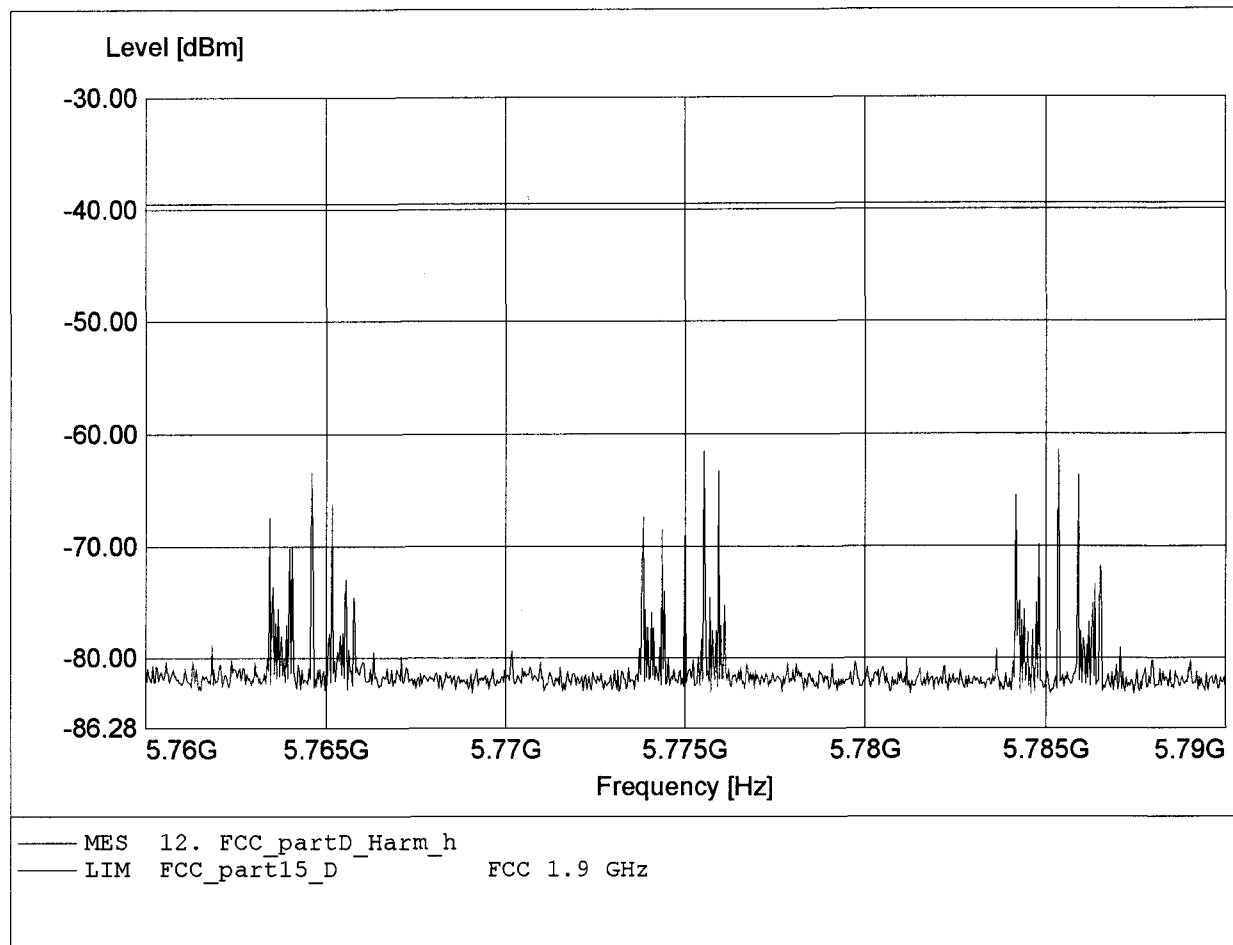
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:5.776GHz Pmax:-62.92dBm RBW:10 kHz



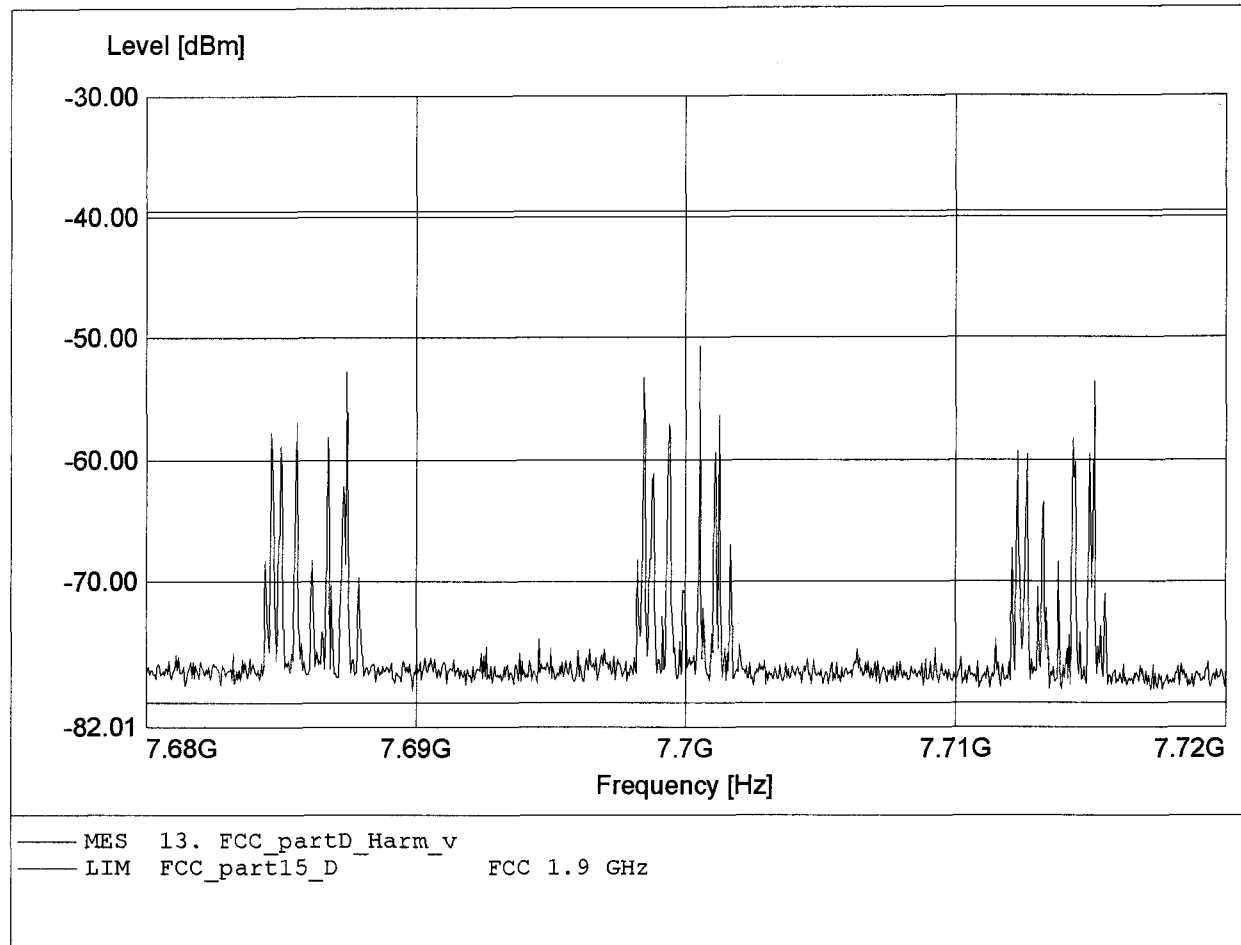
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:5.785GHz Pmax:-61.44dBm RBW:10 kHz



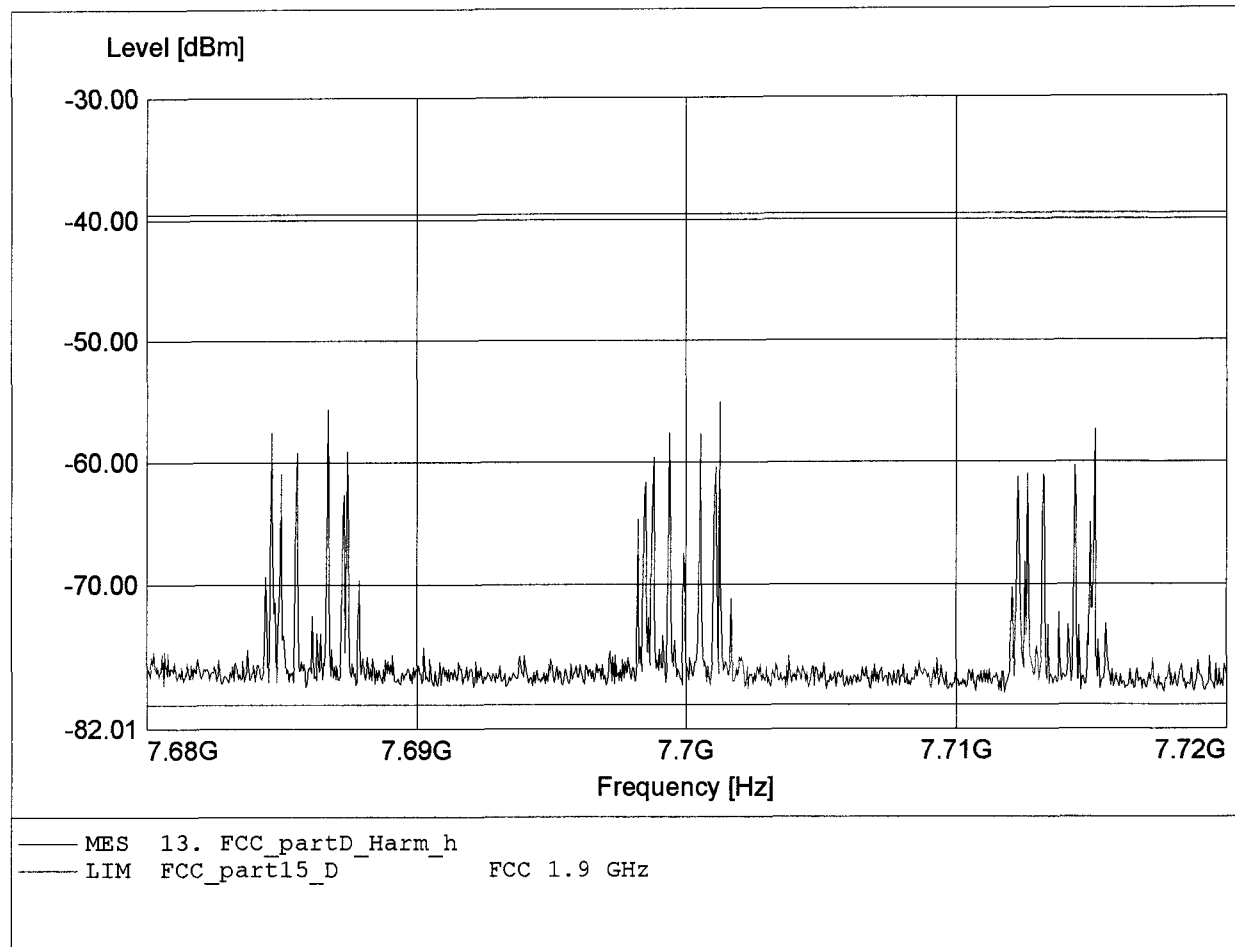
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:7.701GHz Pmax:-50.74dBm RBW:10 kHz



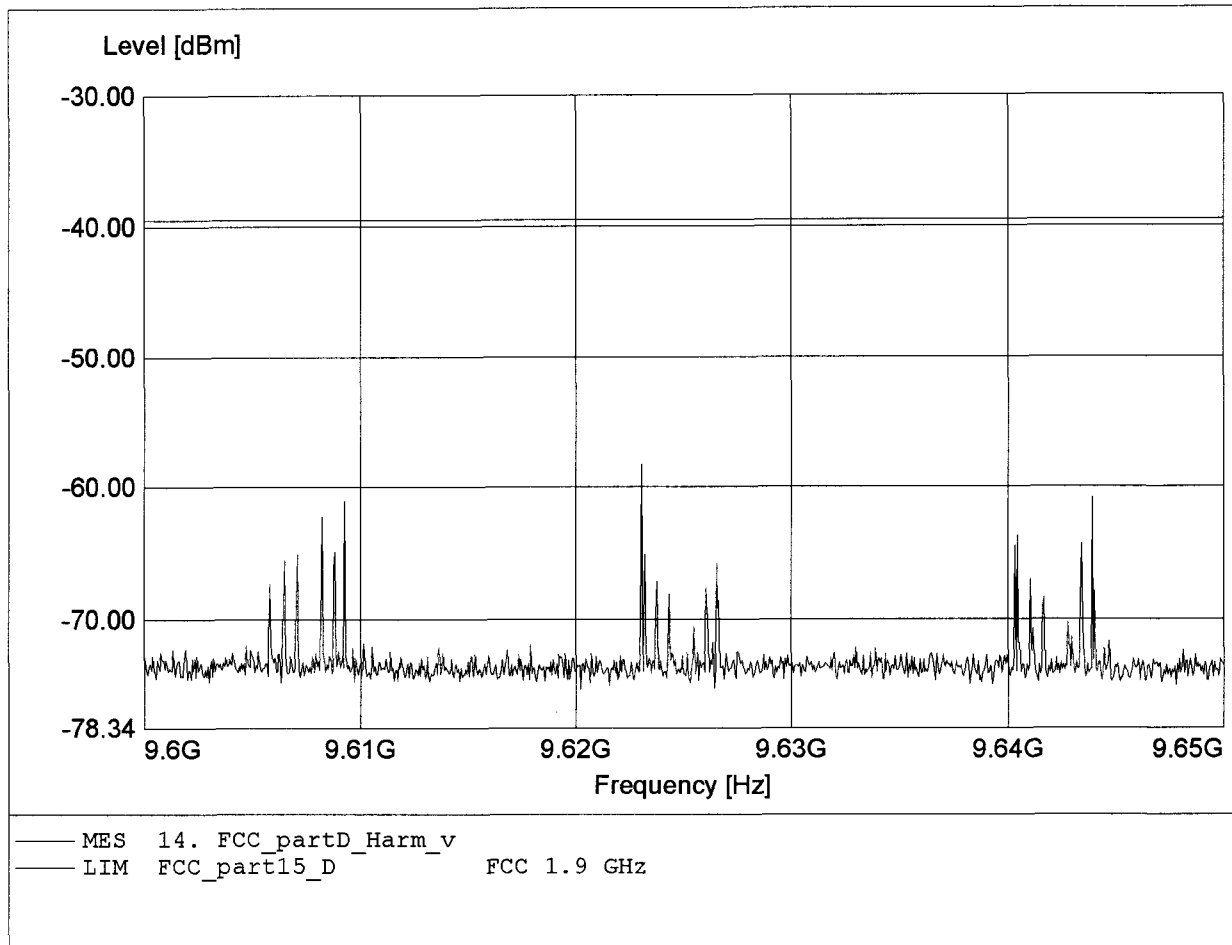
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:7.701GHz Pmax:-55.12dBm RBW:10 kHz



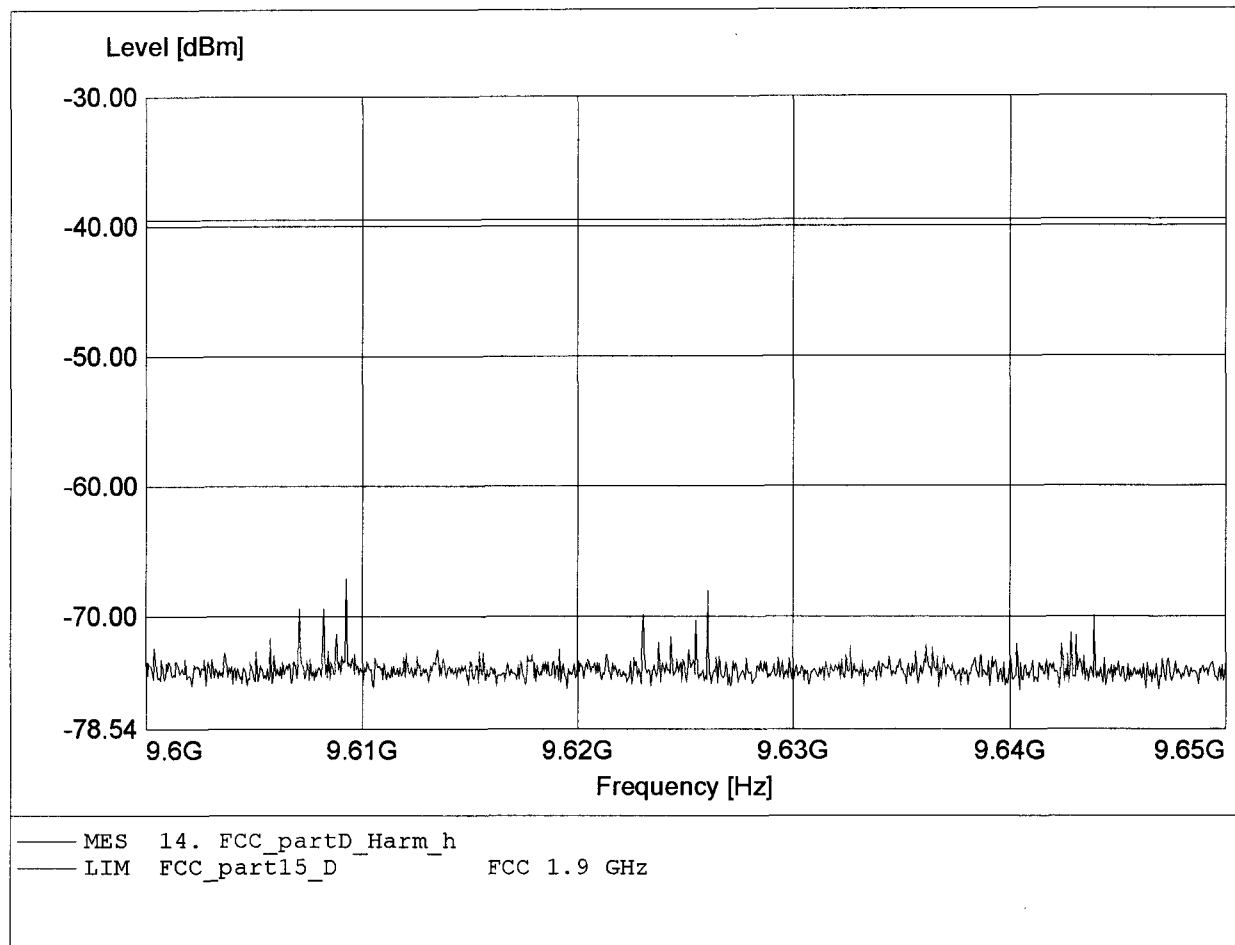
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:9.623GHz Pmax:-58.27dBm RBW:10 kHz



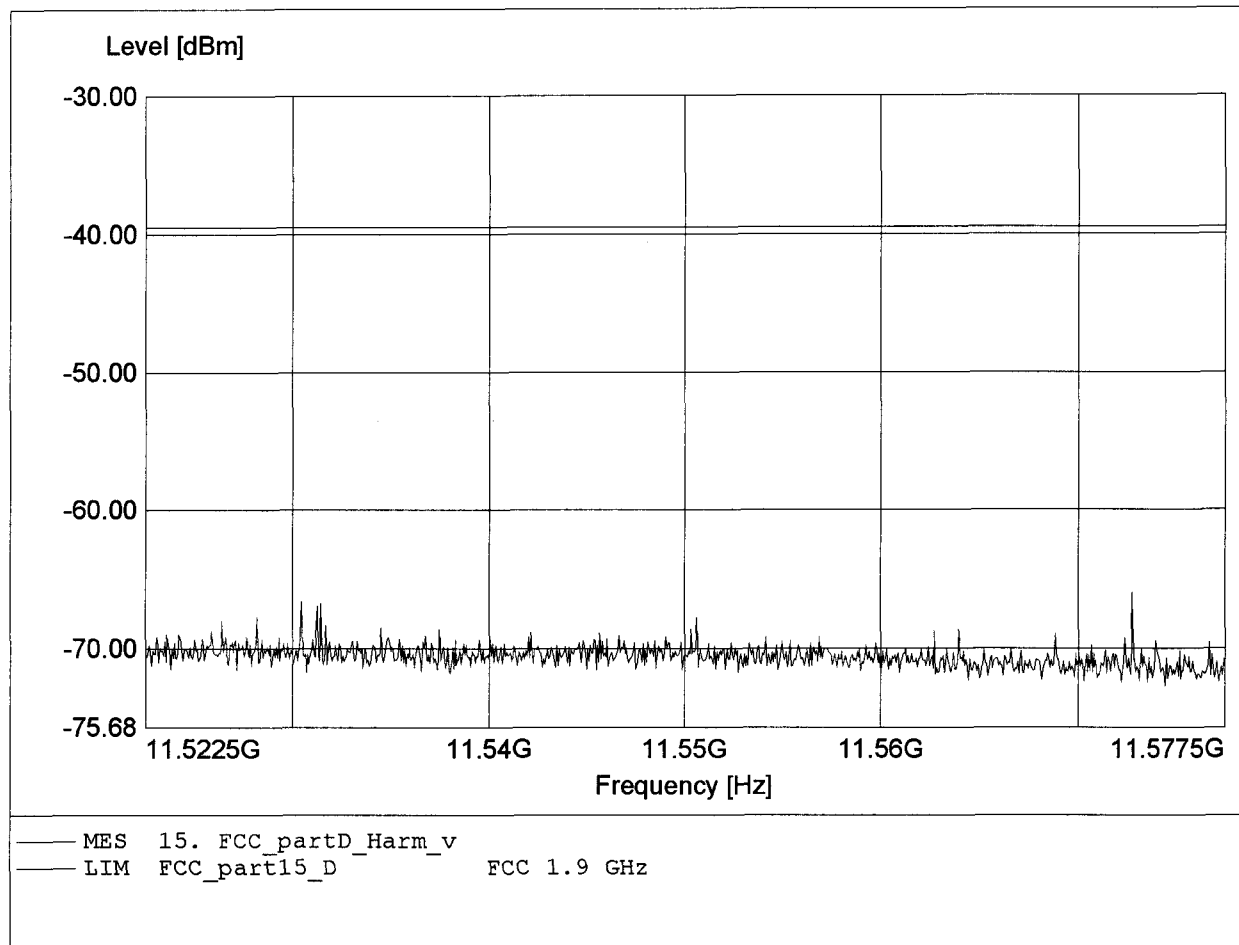
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:9.609GHz Pmax:-67.09dBm RBW:10 kHz



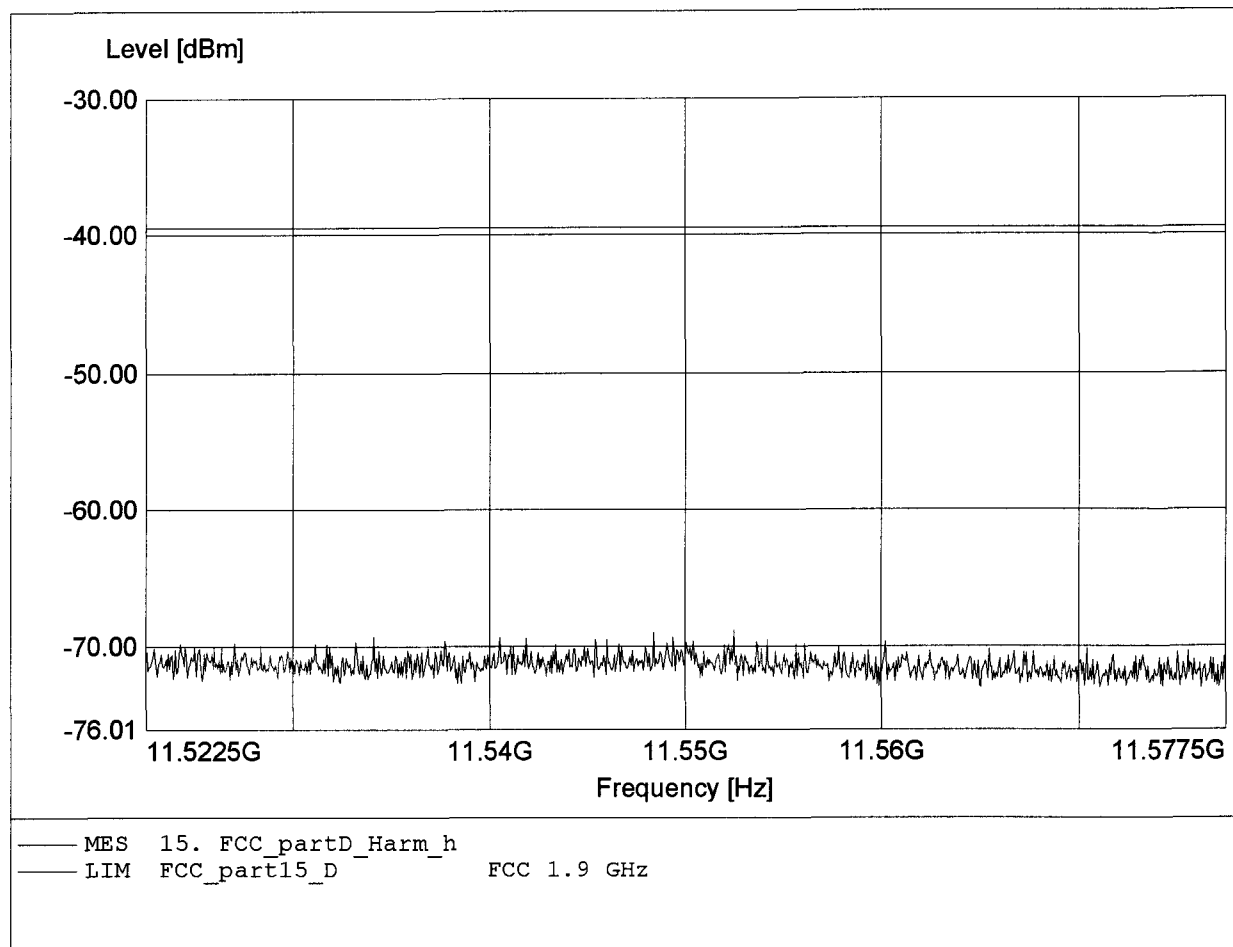
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:11.573GHz Pmax:-66.04dBm RBW:10 kHz



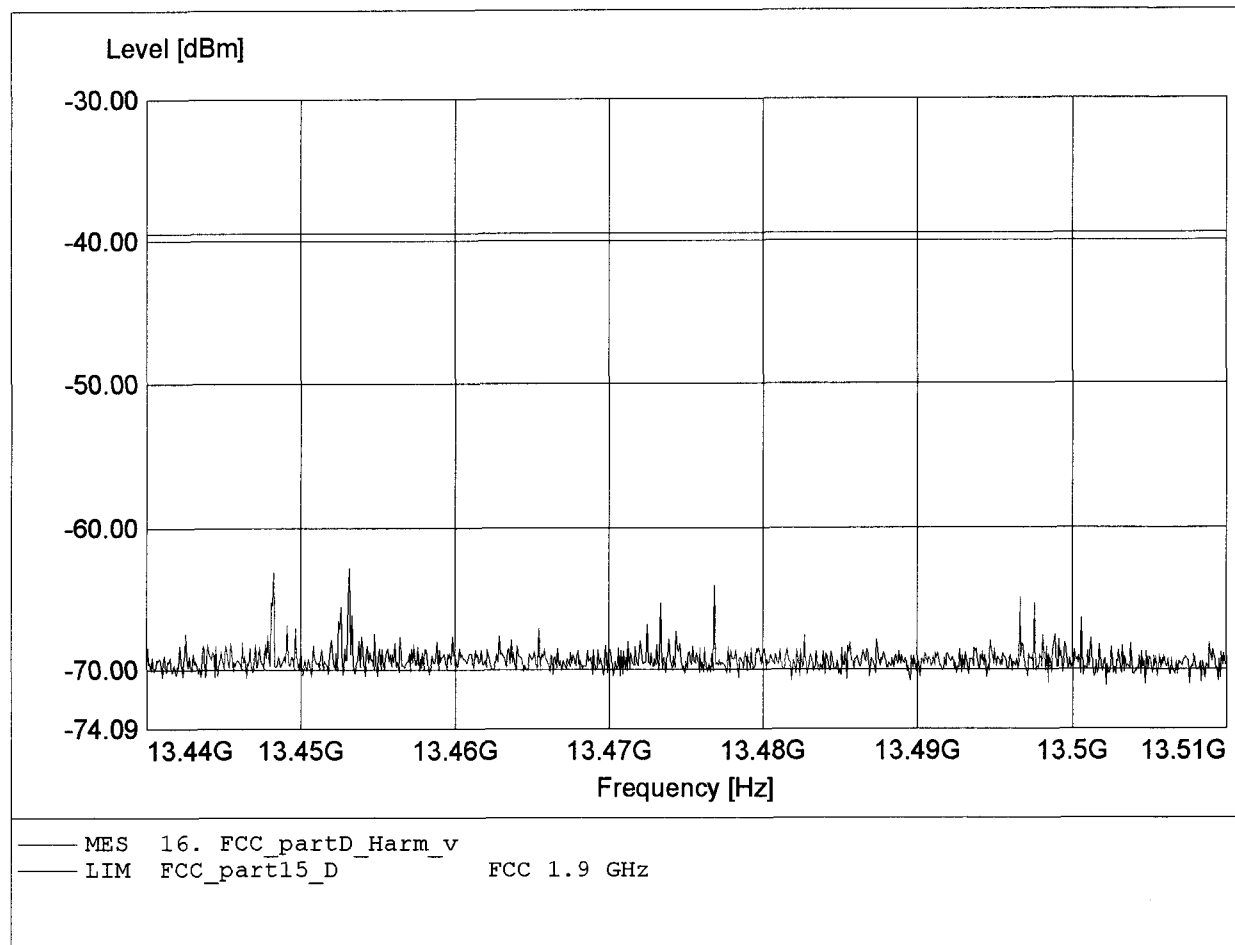
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:11.553GHz Pmax:-68.82dBm RBW:10 kHz



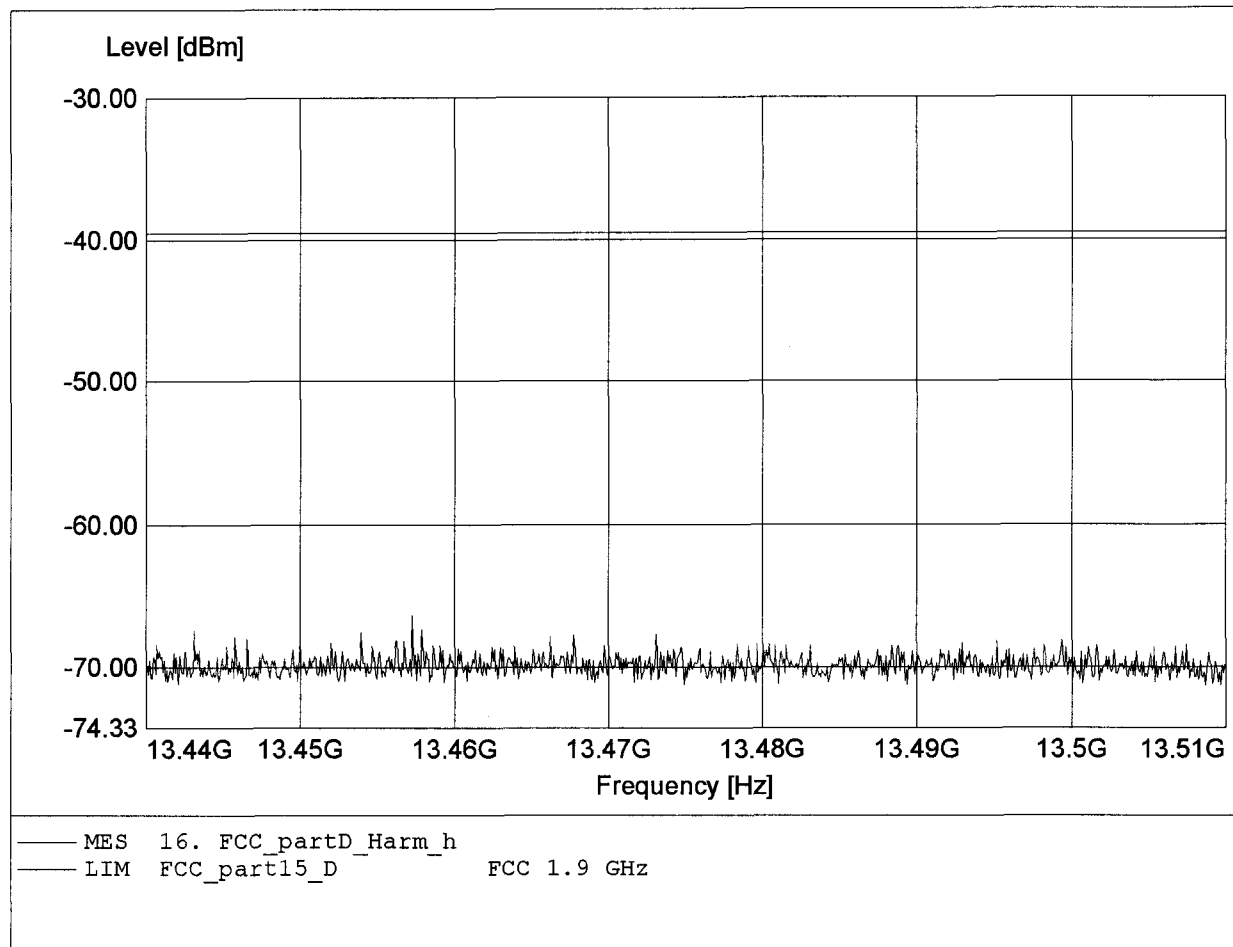
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:13.453GHz Pmax:-62.78dBm RBW:10 kHz



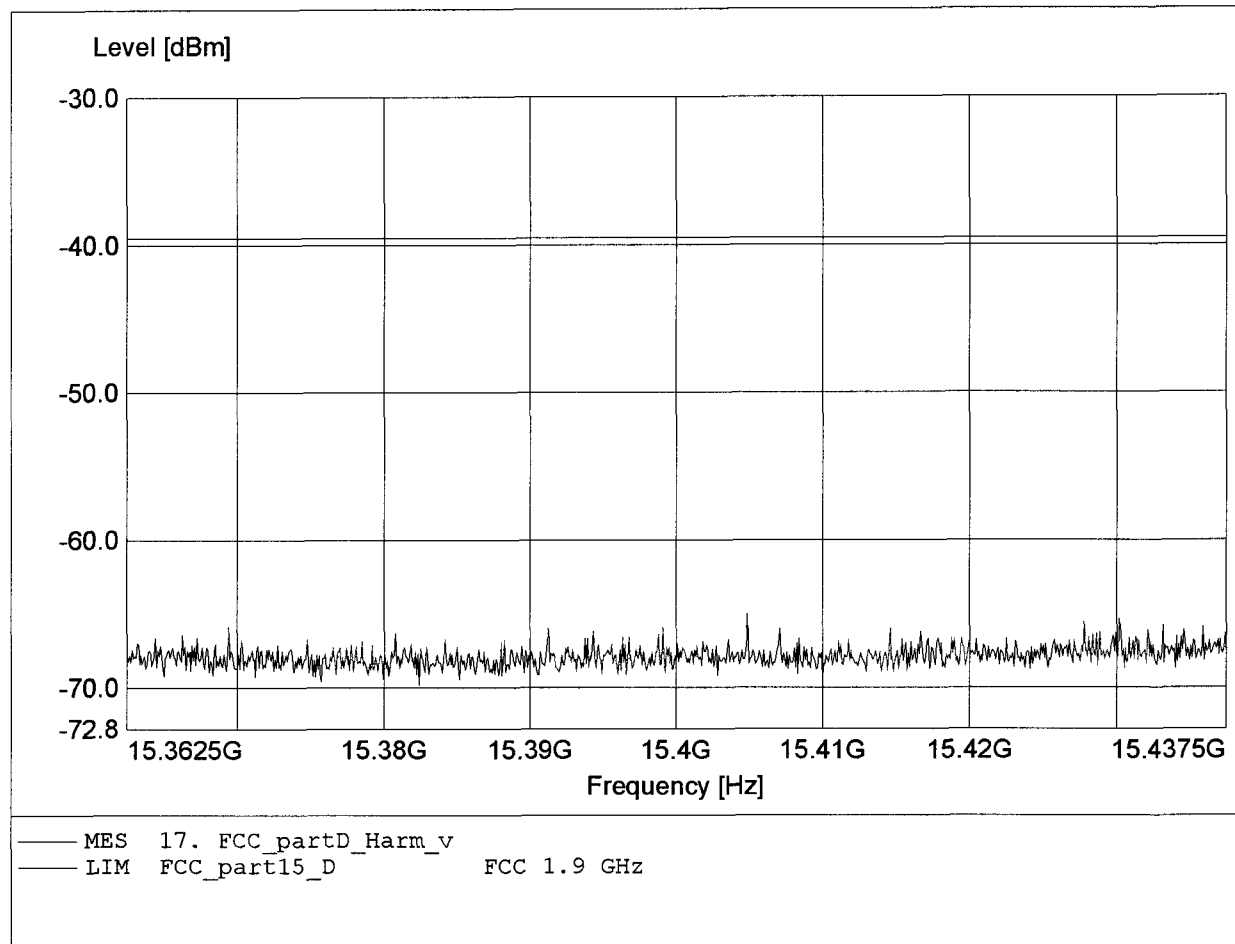
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:13.457GHz Pmax:-66.35dBm RBW:10 kHz



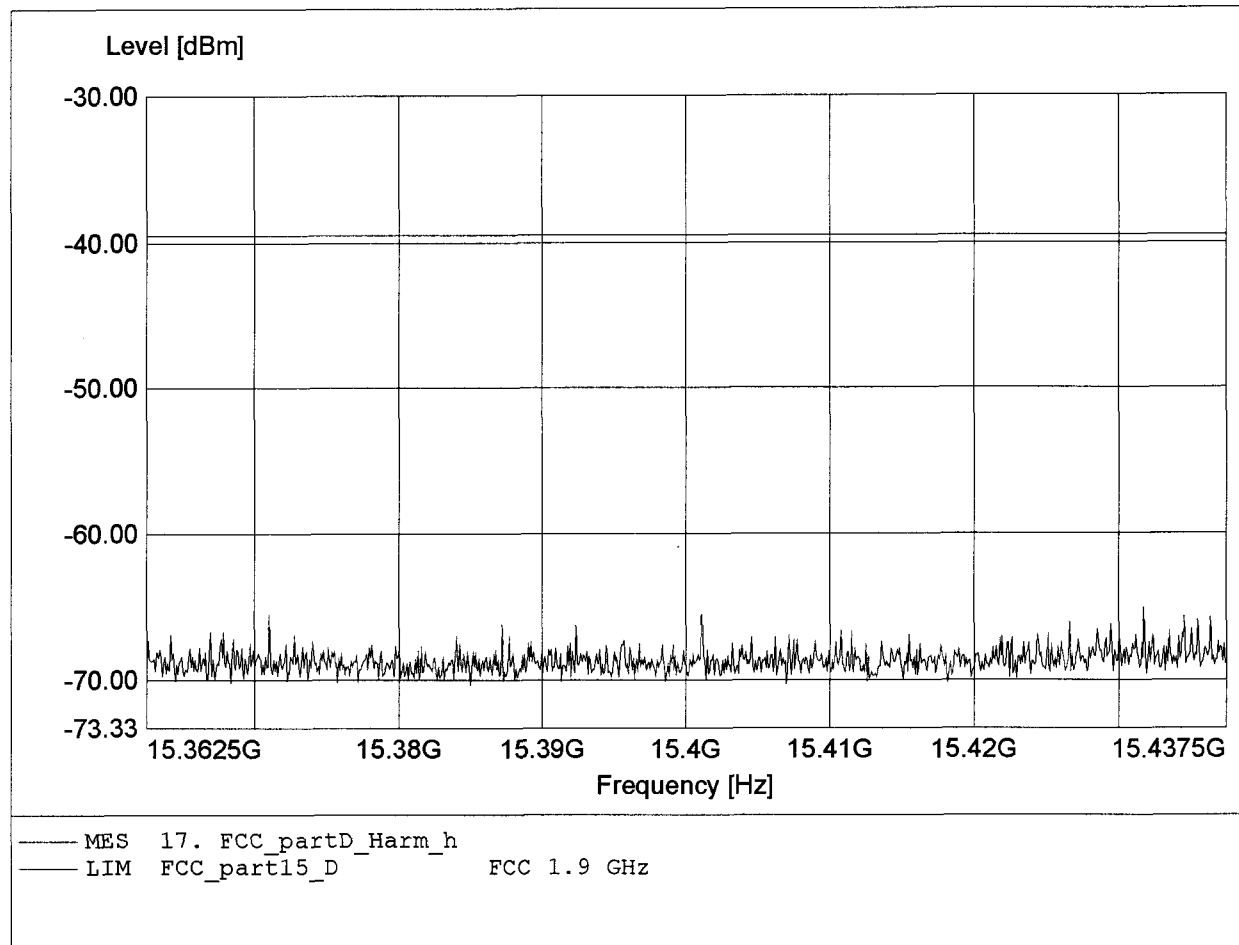
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:15.405GHz Pmax:-65.00dBm RBW:10 kHz



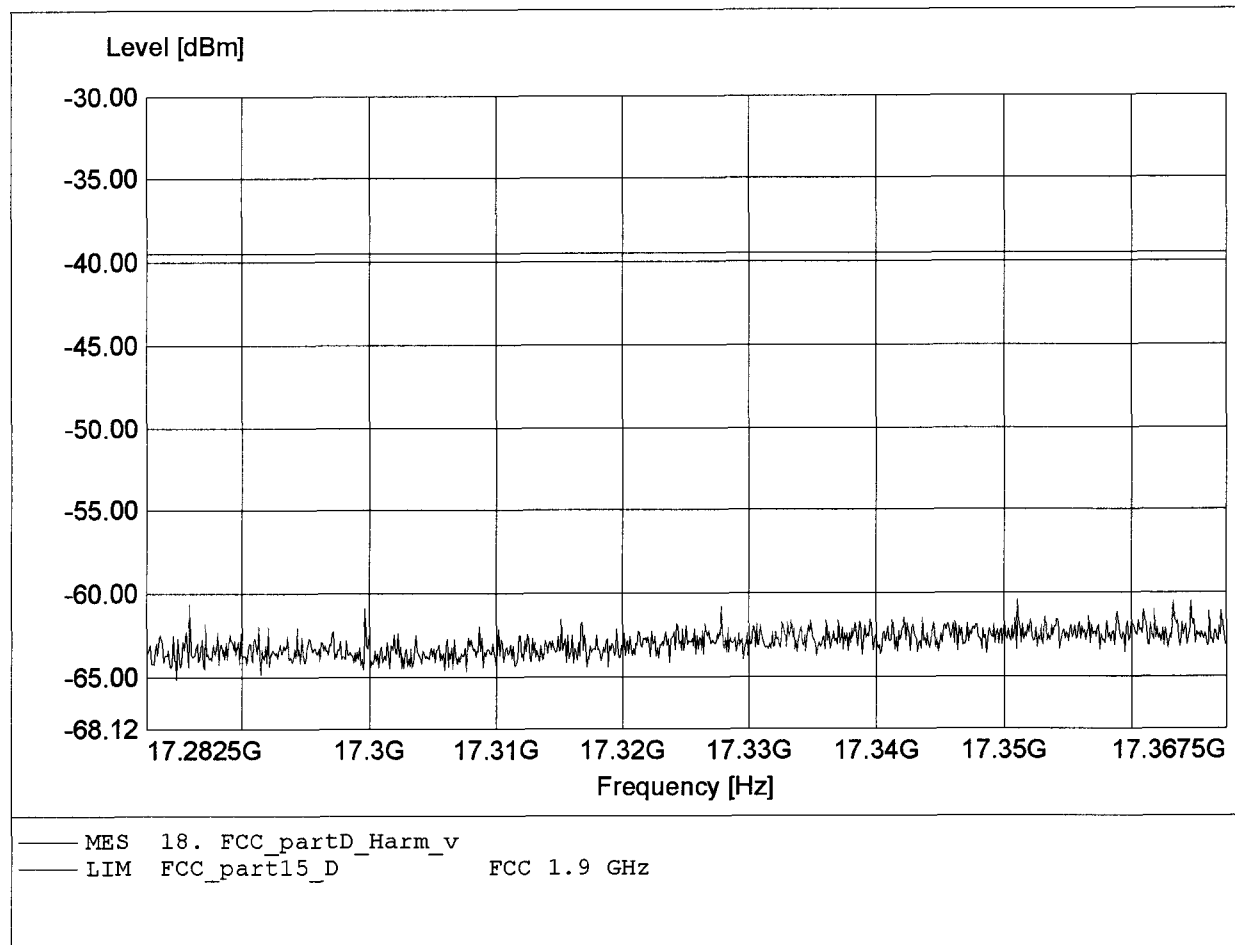
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:15.432GHz Pmax:-65.03dBm RBW:10 kHz



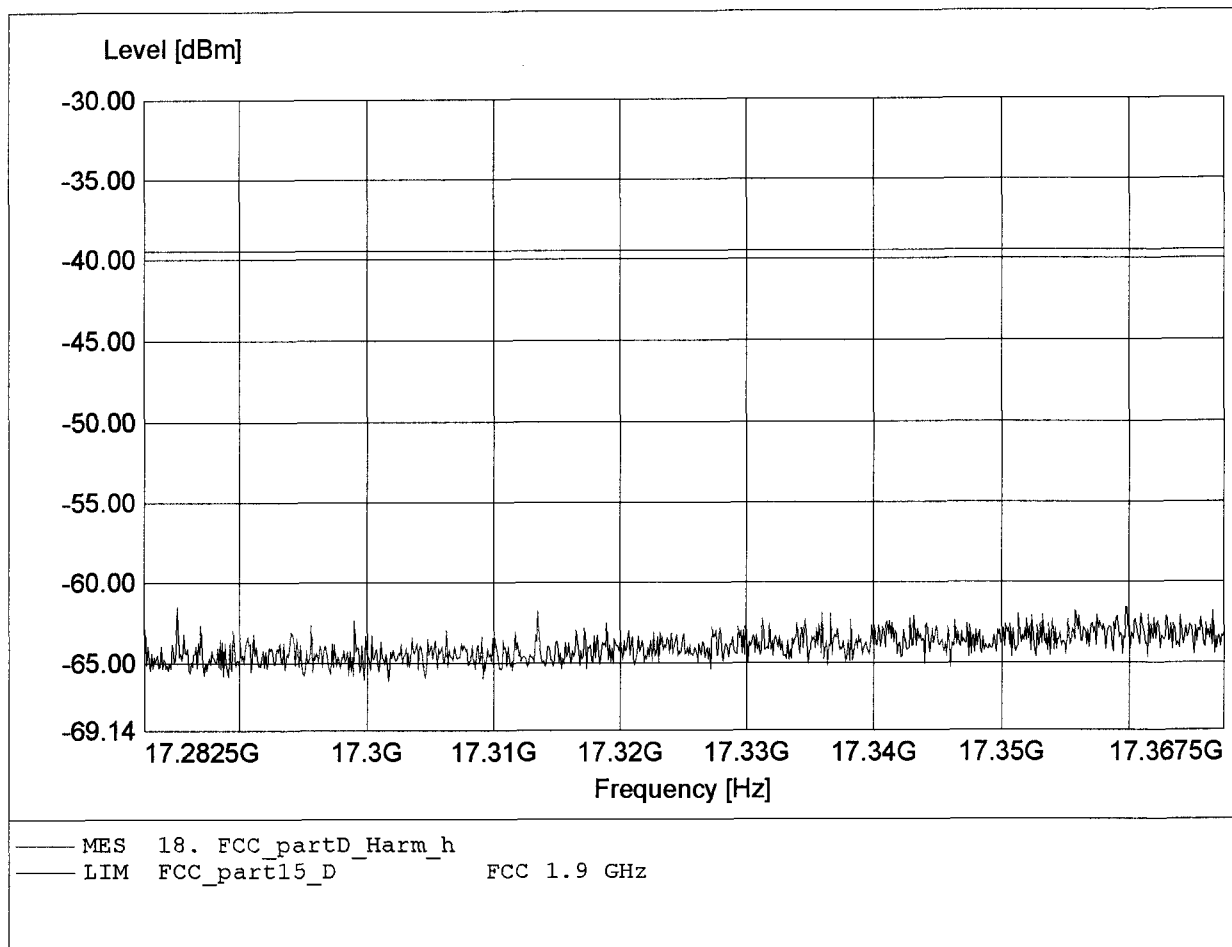
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:17.351GHz Pmax:-60.44dBm RBW:10 kHz



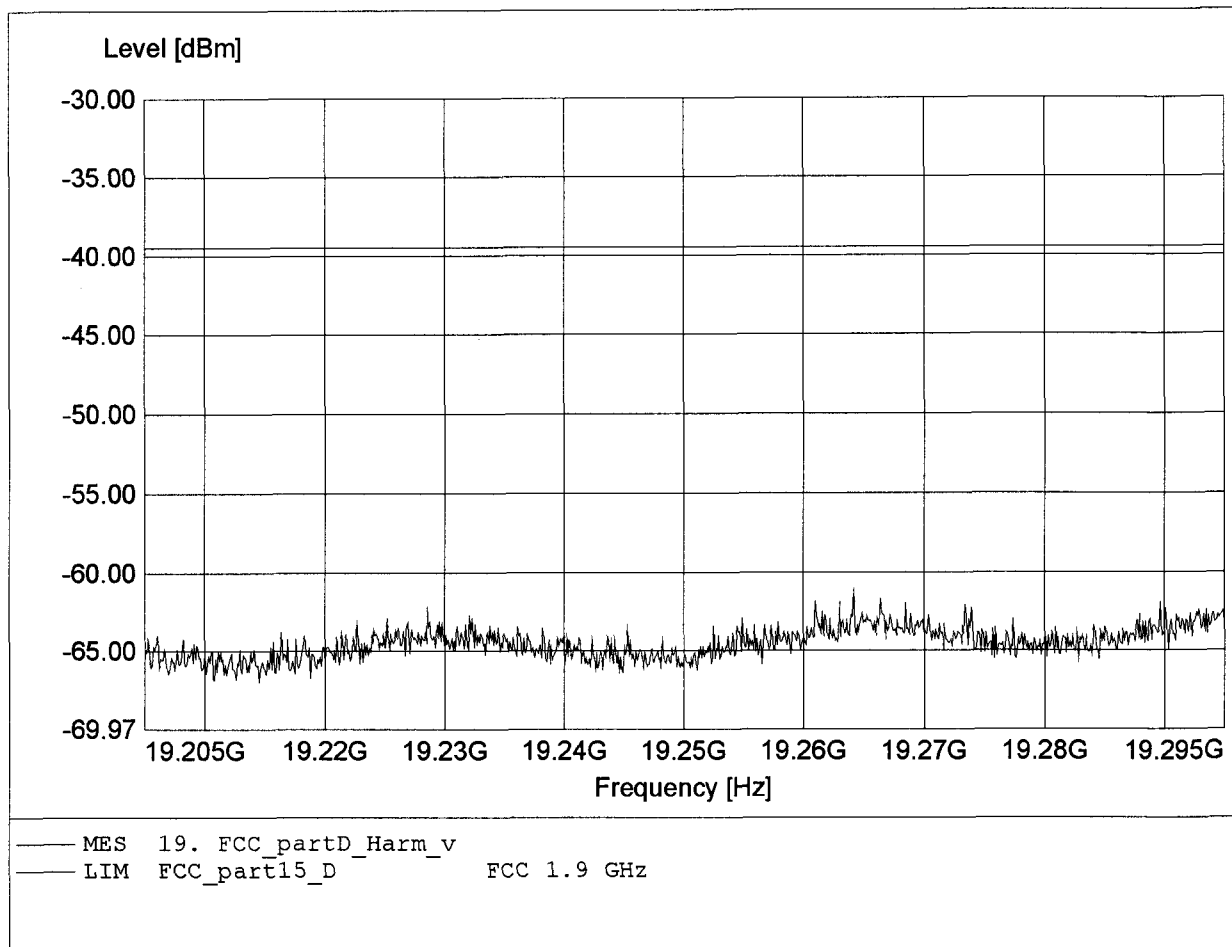
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:17.285GHz Pmax:-61.49dBm RBW:10 kHz



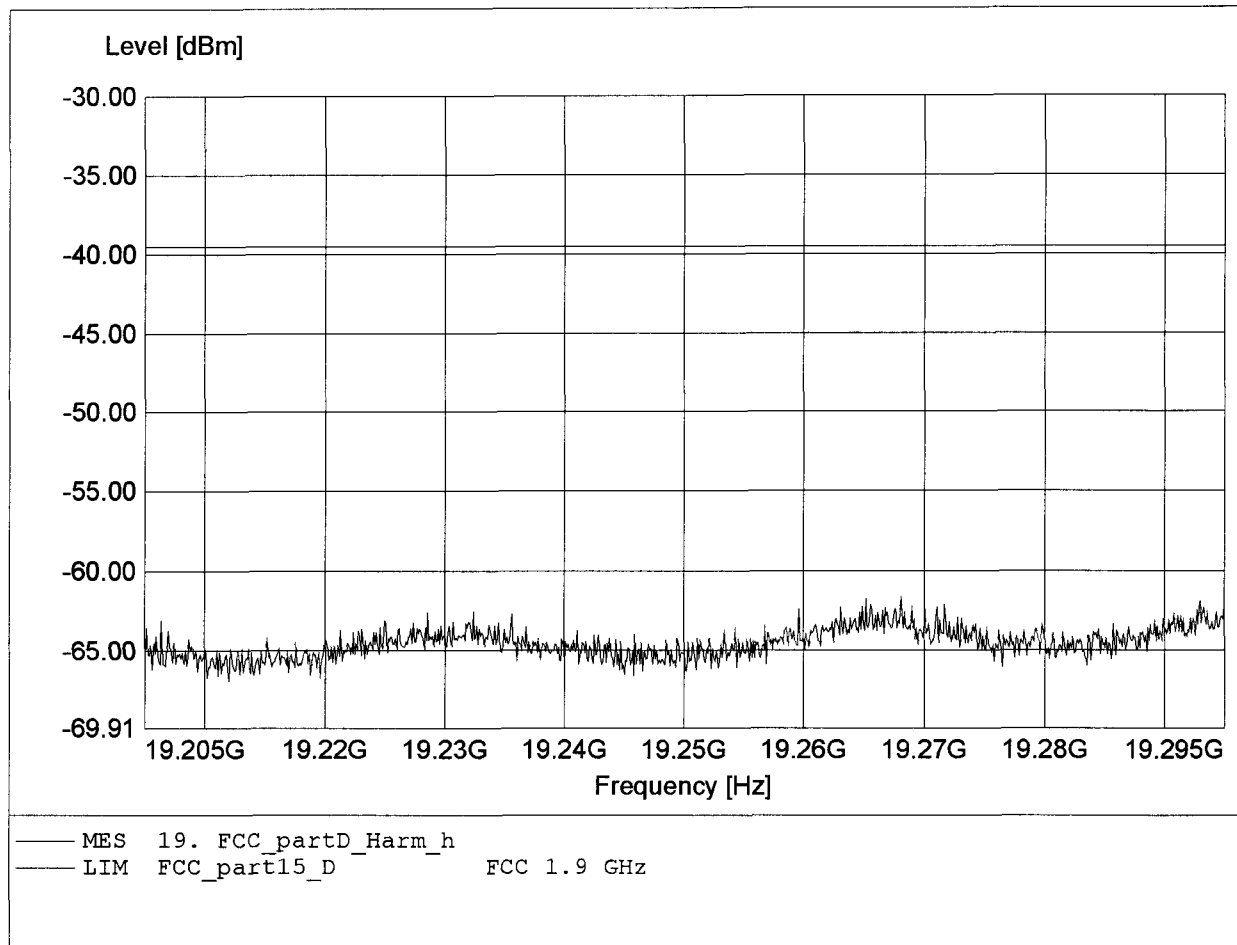
Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:19.264GHz Pmax:-61.04dBm RBW:10 kHz



Spurious emissions under normal conditions
FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / ch.: 0,2,4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:19.268GHz Pmax:-61.58dBm RBW:10 kHz



Appendix T

Frame period



Frame Repetition Stability / Frame Period and Jitter

Tested according ANSI C63.17-1998 Sect

Measurement results Fixed Part

Test Performed	Criteria
Frame Period	10 ms
Frame repetition stability	10 ppm
Jitter	25 μ s

Frame Repetition Stability

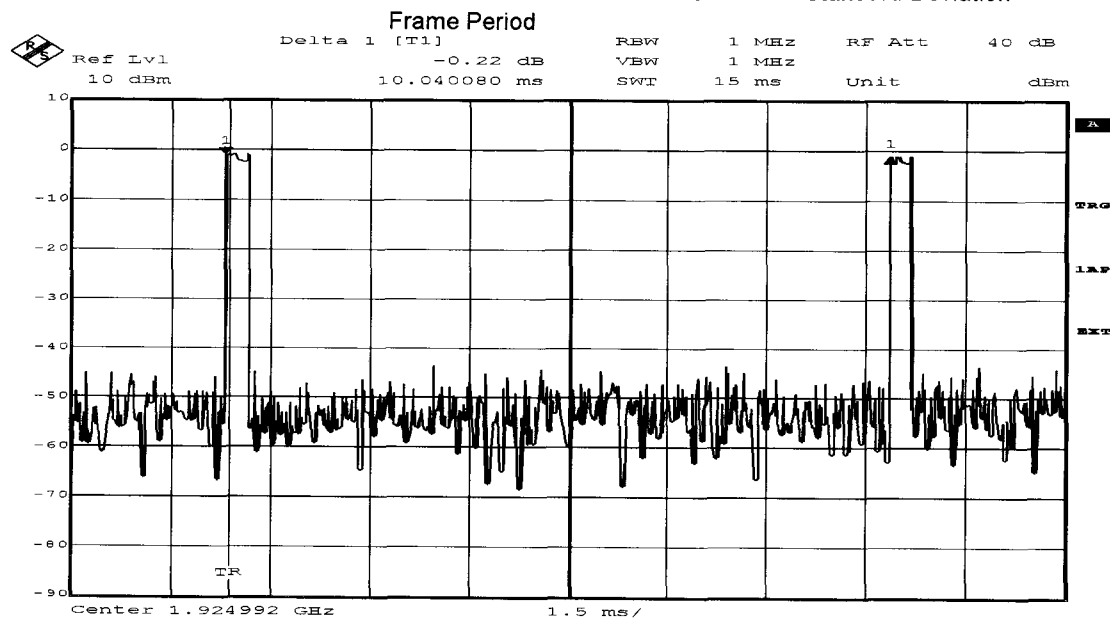
Frequency (MHz)	Standard Deviation (Hz)	Mean (Hz)	Frame Repetition Stability (ppm)
1924.992	2.35392E-05	99.99992405	0.706

$$\text{Frame Repetition Stability} = 3 * \text{Standard Deviation} / \text{Frame Rate} * 10E06$$

Jitter Measurement

Frequency (MHz)	Standard Deviation (μ s)	Mean (ms)	Jitter (μ s)
1924.992	0.157	10.00000759	0.471

$$\text{Jitter} = 3 * \text{Standard Deviation}$$



Title: Frame Periode DECT FP
 Date: 22.AUG.2005 21:21:32

Appendix U

Frequency stability

Frequency Stability § 15.323 (f)

Tested according ANSI C63.17-1998 Section 6.2.3 / 6.2.4

Measurement results Fixed Part

Temp °C	Supply Voltage	Frequency of carrier (MHz)	delta f(min) (KHz)	delta f(max) (KHz)	maximum delta f (ppm)	Mean (MHz)	Deviation ppm
20	Vnom	1924.992	-14.275	-6.826	-7.42	1924.981697	Reference
20	Vmin	1924.992	-15.615	-6.306	-4.00	1924.98158	0.06
20	Vmax	1924.992	-14.43	-7.006	-7.50	1924.981385	0.16
0	Vnom	1924.992	-13.343	-4.56	-6.93	1924.983145	-0.75
55	Vnom	1924.992	-18.657	-10.774	-9.69	1924.977148	2.36

Limit : 10 ppm

$$Deviation\ ppm = \frac{FR - FM}{FR} * 10^6$$

FR = Reference frequency of carrier at 20°C and Vnom

FM = Measured frequency of carrier

