

Appendix B

Coordination with fixed microwave service

UTAM, Inc.

SECTION 15.307(b) AFFIDAVIT

I, Michael Stima, Managing Director of UTAM, Inc., hereby swear and affirm that:

RTX America, Inc.

is a participating member of UTAM, Inc. in good standing for purposes of Section 15.307(b) of the FCC rules.

Subscribed to and sworn this 2nd day of November 2005



Michael Stima, Managing Director
UTAM, Inc.
1170 U.S. Hwy 22
P.O. Box 8126
Bridgewater, New Jersey 08807
Tel: (508) 526-3636

Affidavit #: RTX110205

Appendix C

Reference to Subpart B

Appendix D

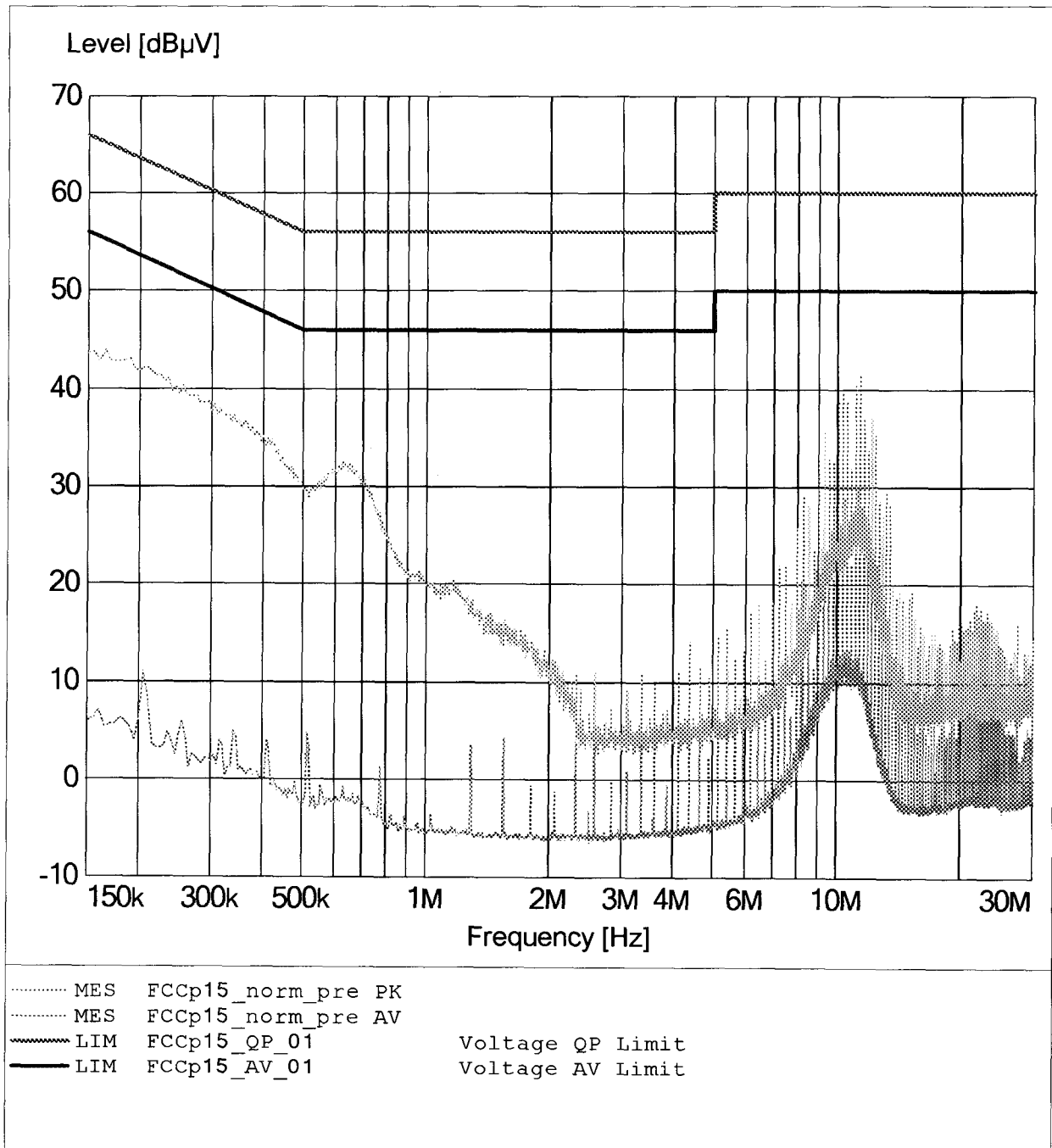
Labeling requirements

Appendix E

Conducted limits AC Power line

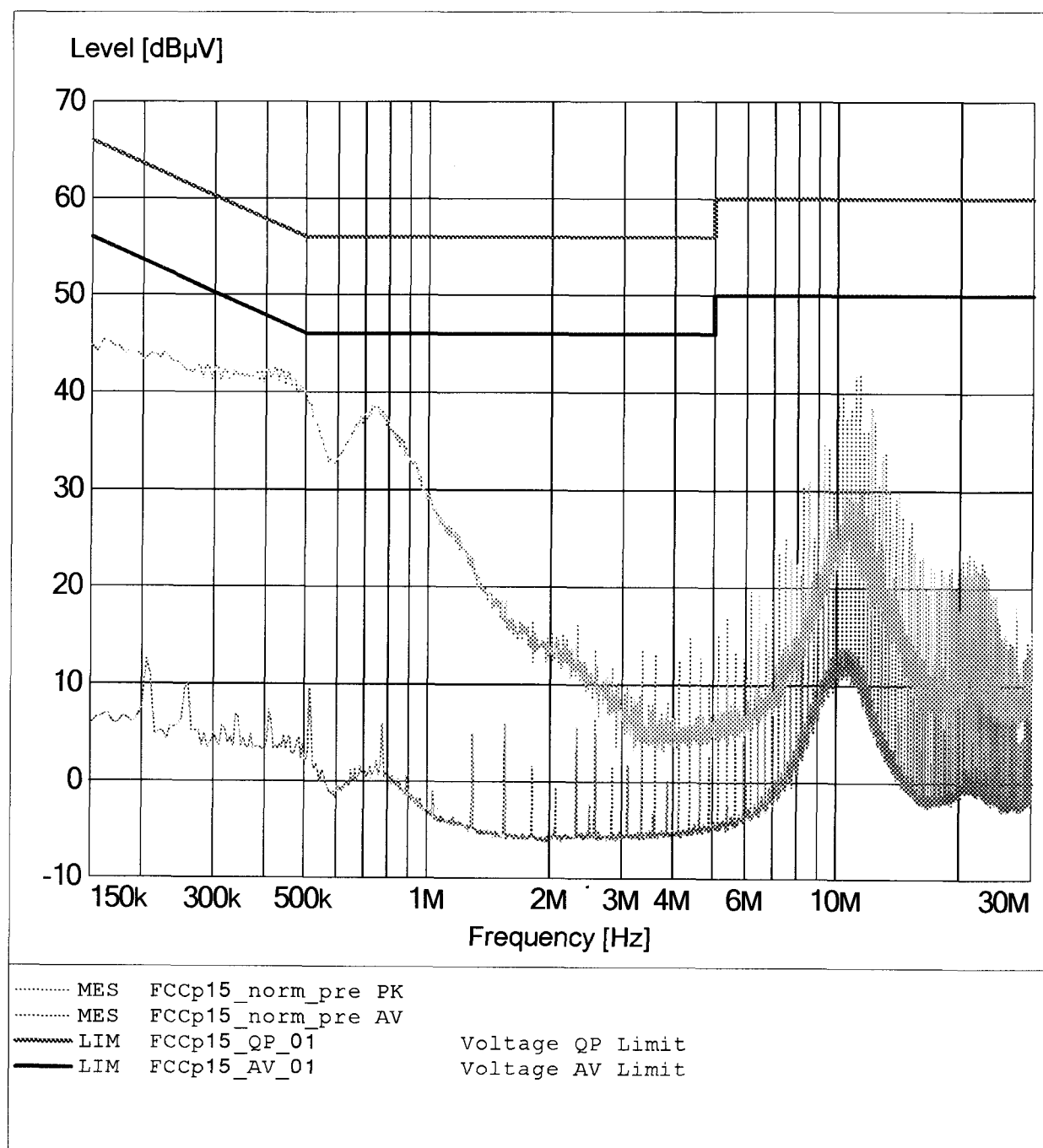
EMI voltage test in the ac-mains according to FCC part 15

EUT: Gateway RTX3080
Manufacturer: RTX America Inc.
Operating Condition: Unom: 120 VAC (AC/DC-ADAPTOR) , Tnom: 23°C
Test Site: ETS
Operator: Mr. Marquardt
Test Specification: V-Network: ESH2-Z5 (L1)
Comment: model: RTX3080 mode: ALL OPERATING MODES
Start of Test: ADAPTOR: A31230



EMI voltage test in the ac-mains according to FCC part 15

EUT: Gateway RTX3080
Manufacturer: RTX America Inc.
Operating Condition: Unom: 120 VAC (AC/DC-ADAPTOR) , Tnom: 23°C
Test Site: ETS
Operator: Mr. Marquardt
Test Specification: V-Network: ESH2-z5 (N)
Comment: model: RTX3080 mode: ALL OPERATING MODES
Start of Test: ADAPTOR: A31230



Appendix F

Emission band width

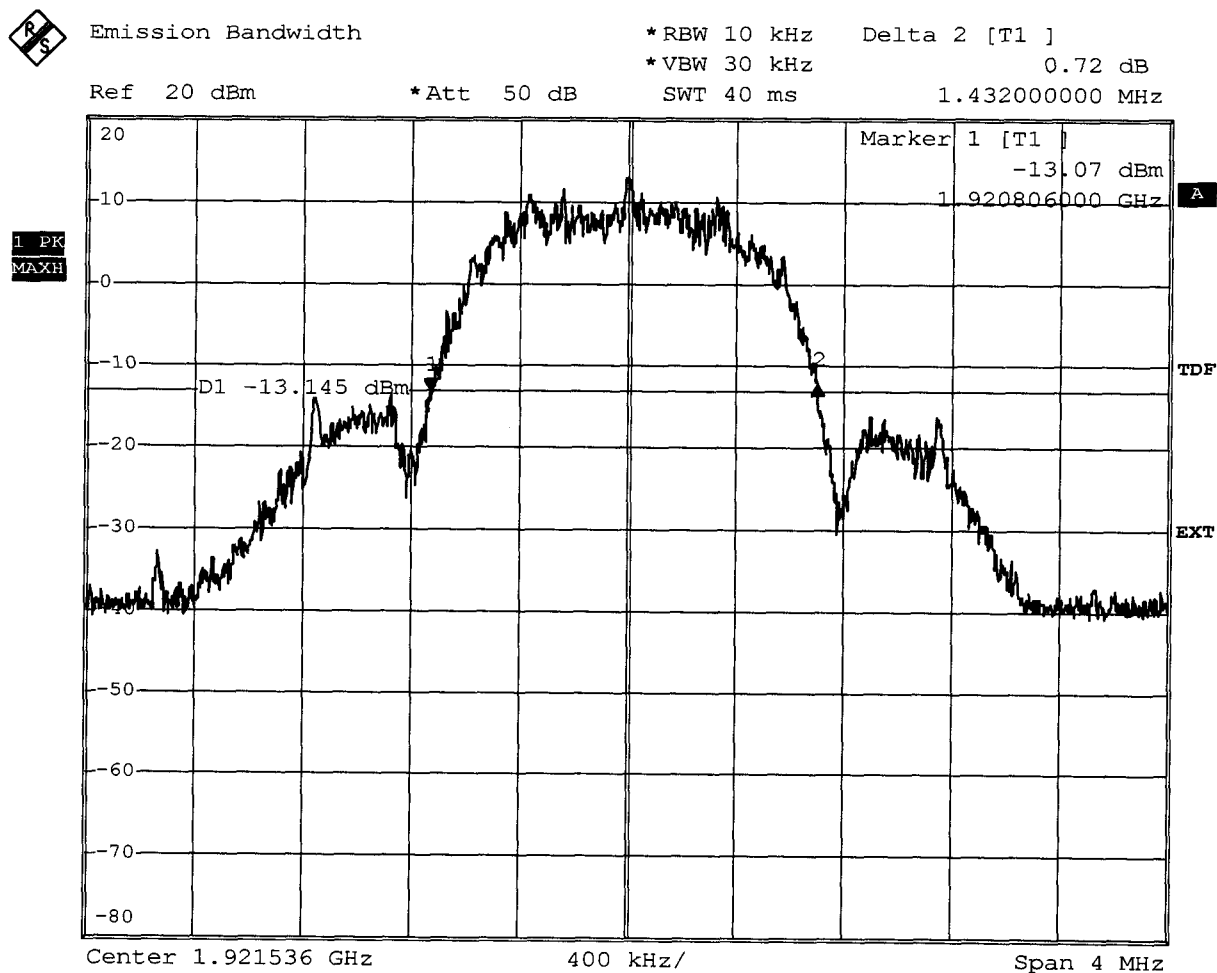
FCC Part 15.303(b) Emission bandwidth

Testprocedure ANSI 63.17-1998 6.1.3
UPCS

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.3 Emission bandwidth

Measured Bandwidth	Emission Bandwidth = 1.43MHz
Max. Permitted BW	Limit = 2.5 MHz

Test result	Verdict = PASS
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Measurement diagram

**Additional values as required for the detailed threshold monitoring bandwidth test
ANSI C63.17-1988 7.4.2**

-6 dB points

Lower frequency : 1921.082MHz
Higher frequency : 1921.908MHz

-12 dB points

Lower frequency : 1920.95MHz
Higher frequency : 1922.116MHz

FCC Part 15.303(b) Emission bandwidth

Testprocedure ANSI 63.17-1998 6.1.3 UPCS

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.3 Emission bandwidth

Measured Bandwidth	Emission Bandwidth = 1.44MHz
Max. Permitted BW	Limit = 2.5 MHz

Test result	Verdict = PASS
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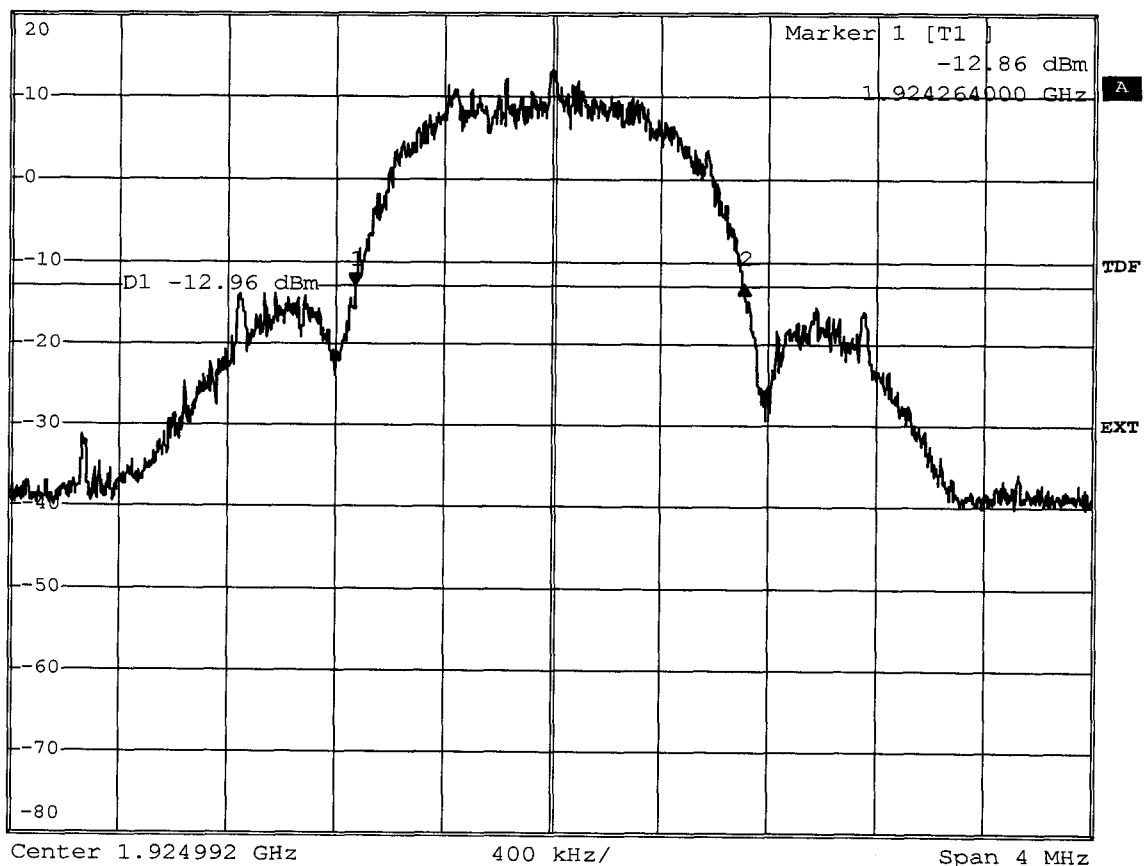


Emission Bandwidth

*RBW 10 kHz	Delta 2 [T1]
*VBW 30 kHz	0.06 dB
SWT 40 ms	1.436000000 MHz

Ref 20 dBm

*Att 50 dB

1 PK
MAXH


Comment: Ansi C63.17-1998 6.1.3
Date: 14.AUG.2005 08:38:37

Measurement diagram

**Additional values as required for the detailed threshold monitoring bandwidth test
ANSI C63.17-1988 7.4.2**

-6 dB points

Lower frequency : 1924.536MHz
Higher frequency : 1925.346MHz

-12 dB points

Lower frequency : 1924.39MHz
Higher frequency : 1925.576MHz

Measurement diagram

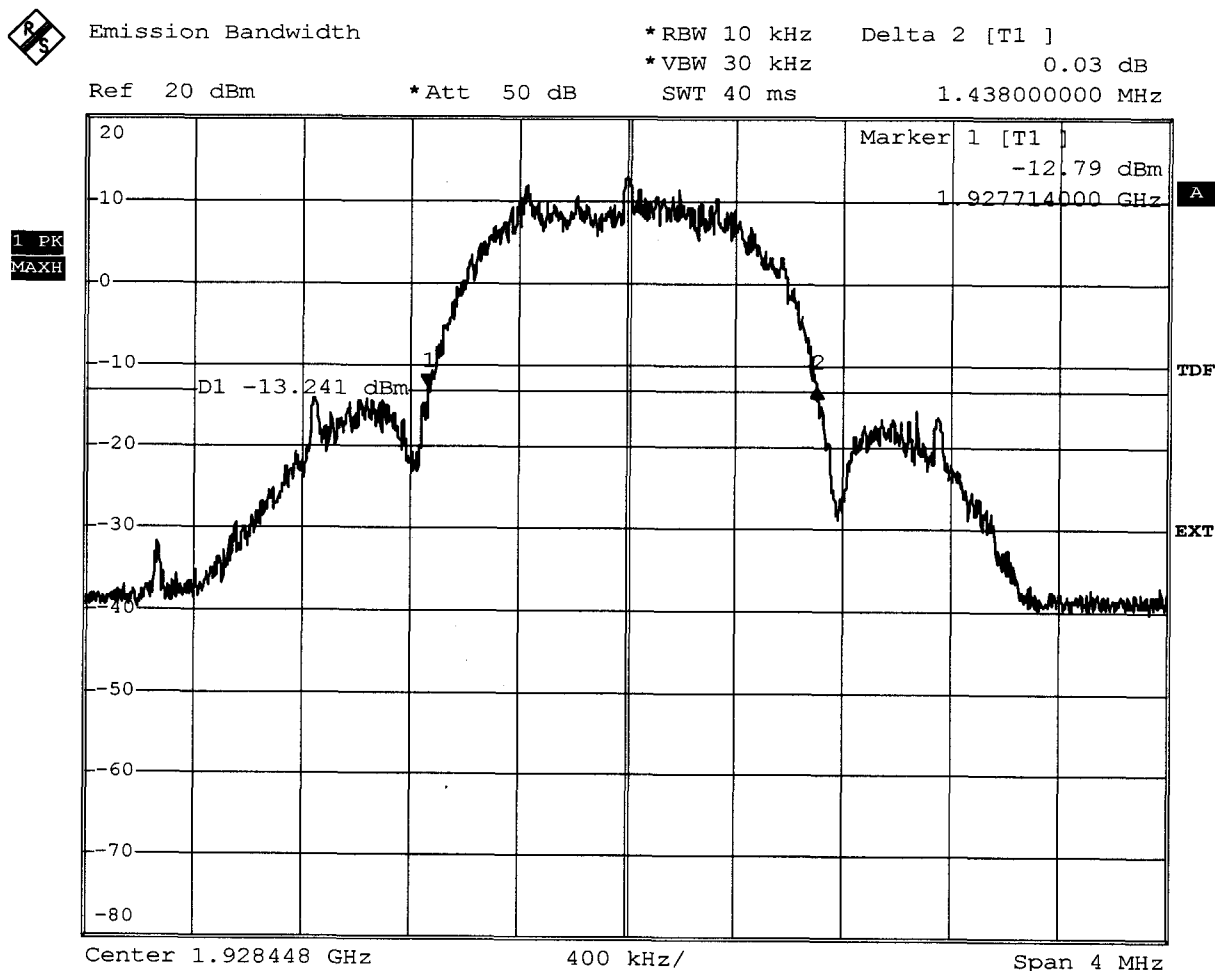
FCC Part 15.303(b) Emission bandwidth

Testprocedure ANSI 63.17-1998 6.1.3 UPCS

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.3 Emission bandwidth

Measured Bandwidth	Emission Bandwidth = 1.44MHz
Max. Permitted BW	Limit = 2.5 MHz

Test result	Verdict = PASS
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Comment: Ansi C63.17-1998 6.1.3
Date: 14.AUG.2005 08:44:07

Measurement diagram

**Additional values as required for the detailed threshold monitoring bandwidth test
ANSI C63.17-1988 7.4.2**

-6 dB points

Lower frequency : 1927.958MHz
Higher frequency : 1928.868MHz

-12 dB points

Lower frequency : 1927.856MHz
Higher frequency : 1929.036MHz



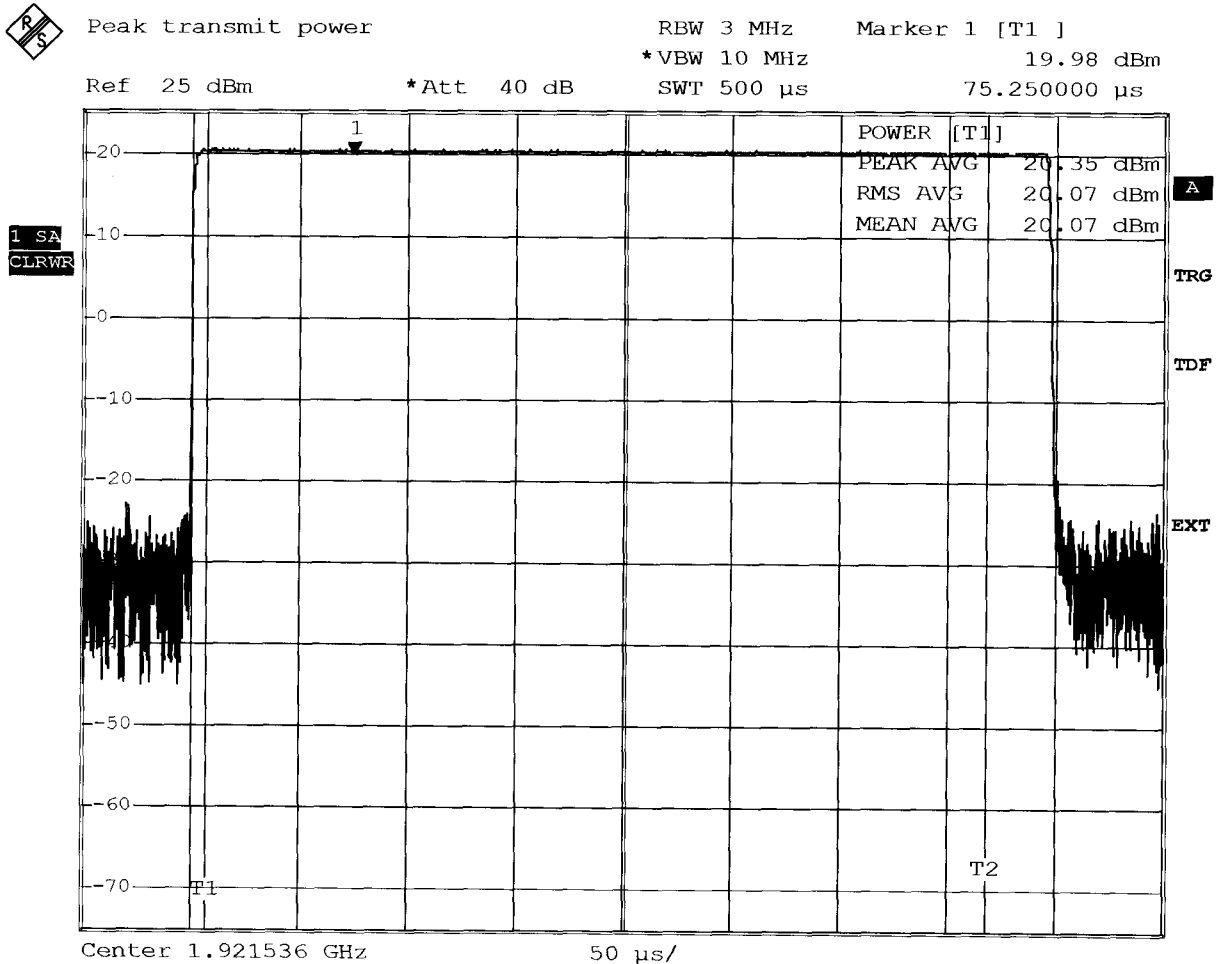
Appendix G

Peak Transmit Power

FCC Part 15.319(c) Peak Transmit Power limit

Test procedure ANSI 63.17-1998 6.1.2 UPCS

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Unom
Measured Bandwidth	1.438MHz
Max. Permitted Power	20,78 dBm
Measured Power	20,35 dBm
Test result	Verdict = PASS



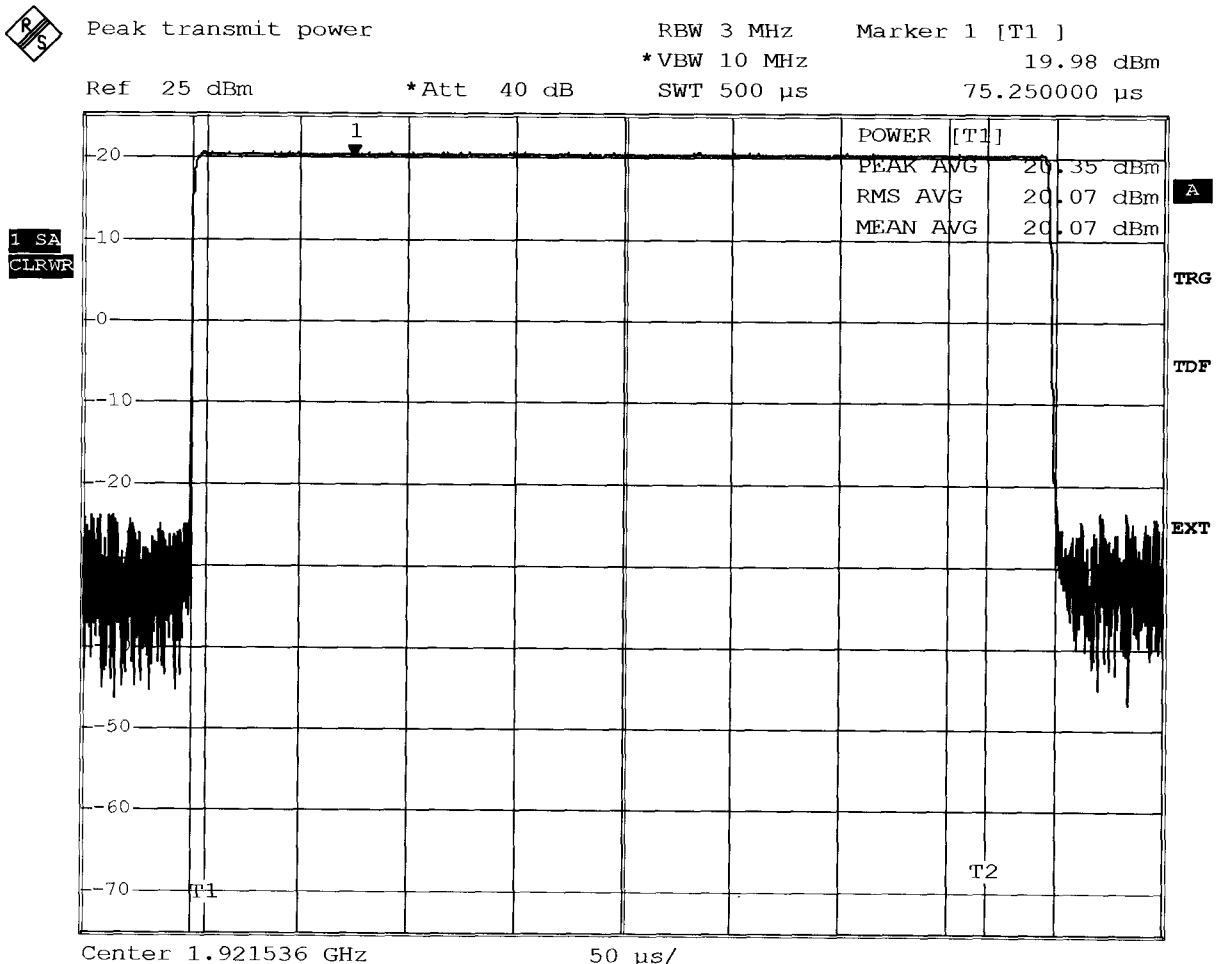
Comment: Ansi C63.17-1998 6.1.2
Date: 25.AUG.2005 22:11:03

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Test procedure ANSI 63.17-1998 6.1.2 UPCS

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Umin
Measured Bandwidth	1.438MHz
Max. Permitted Power	20,78 dBm
Measured Power	20,35 dBm
Test result	Verdict = PASS



Comment: Ansi C63.17-1998 6.1.2
Date: 25.AUG.2005 22:12:41

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Test procedure ANSI 63.17-1998 6.1.2 UPCS

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Umax
Measured Bandwidth	1.438MHz
Max. Permitted Power	20,78 dBm
Measured Power	20,33 dBm
Test result	Verdict = PASS



Peak transmit power

RBW 3 MHz

Marker 1 [T1]

*VBW 10 MHz

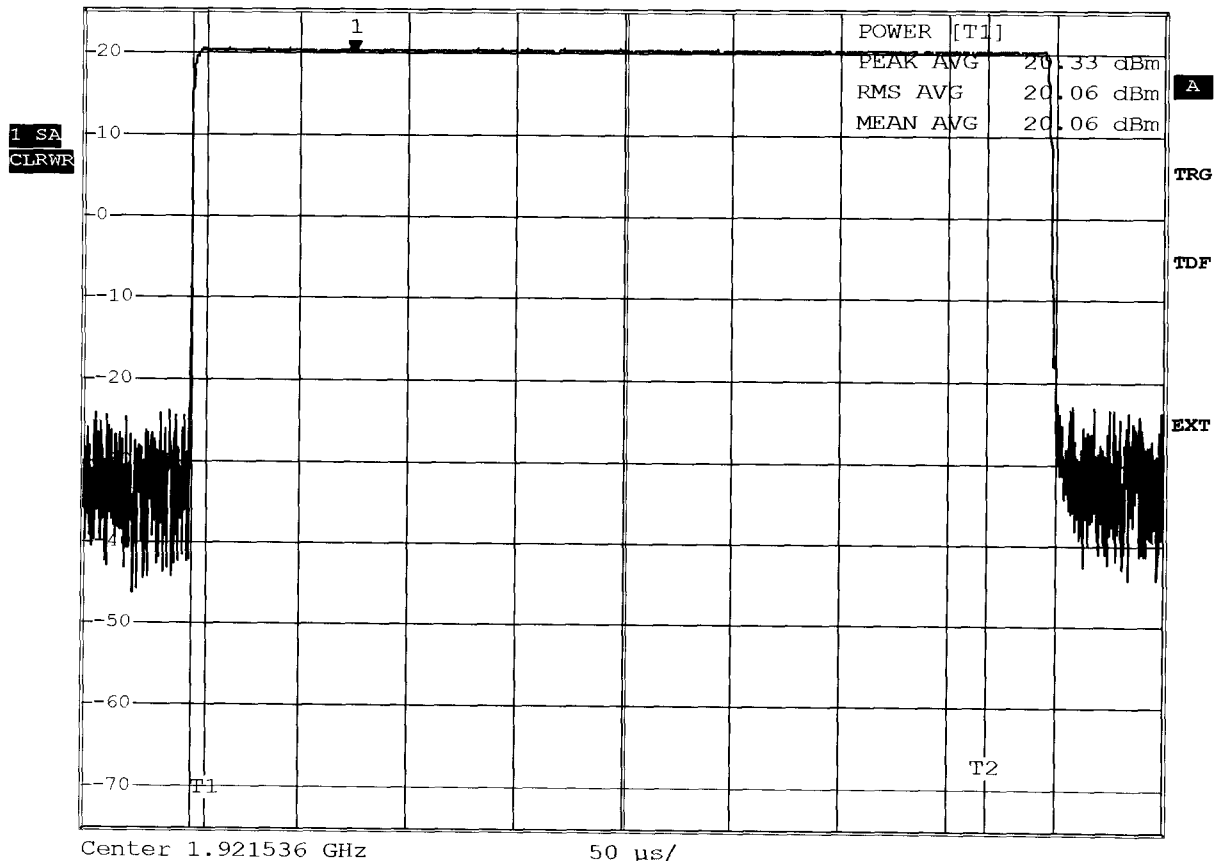
19.98 dBm

Ref 25 dBm

*Att 40 dB

SWT 500 µs

75.250000 µs



Comment: Ansi C63.17-1998 6.1.2

Date: 25.AUG.2005 22:14:00

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Test procedure ANSI 63.17-1998 6.1.2 UPCS

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Unom
Measured Bandwidth	1.438MHz
Max. Permitted Power	20,78 dBm
Measured Power	20,29 dBm
Test result	Verdict = PASS



Peak transmit power

RBW 3 MHz

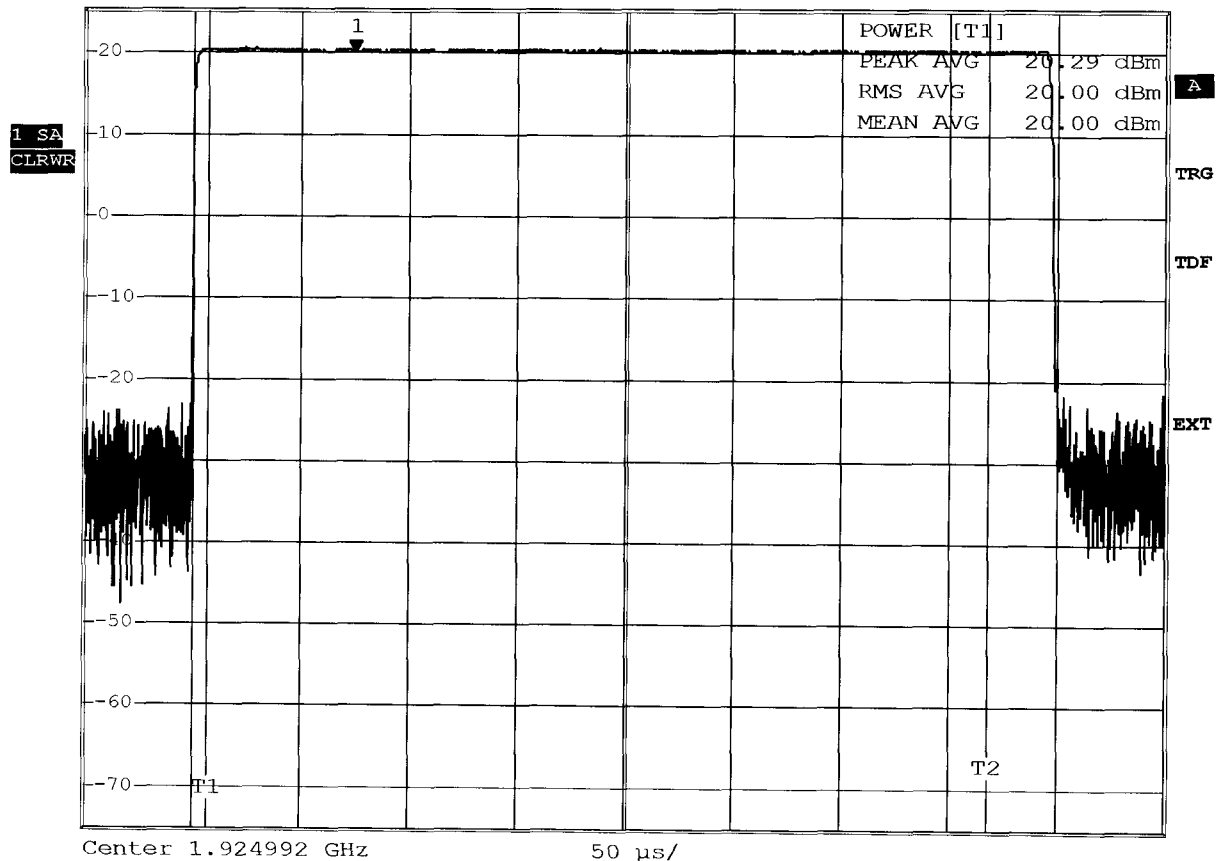
Marker 1 [T1]

*VBW 10 MHz

19.92 dBm

Ref 25 dBm

*Att 40 dB

SWT 500 μ s75.250000 μ s

Comment: Ansi C63.17-1998 6.1.2

Date: 25.AUG.2005 22:19:07

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Test procedure ANSI 63.17-1998 6.1.2 UPCS

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Umin
Measured Bandwidth	1.438MHz
Max. Permitted Power	20,78 dBm
Measured Power	20,28 dBm
Test result	Verdict = PASS



Peak transmit power

RBW 3 MHz

Marker 1 [T1]

*VBW 10 MHz

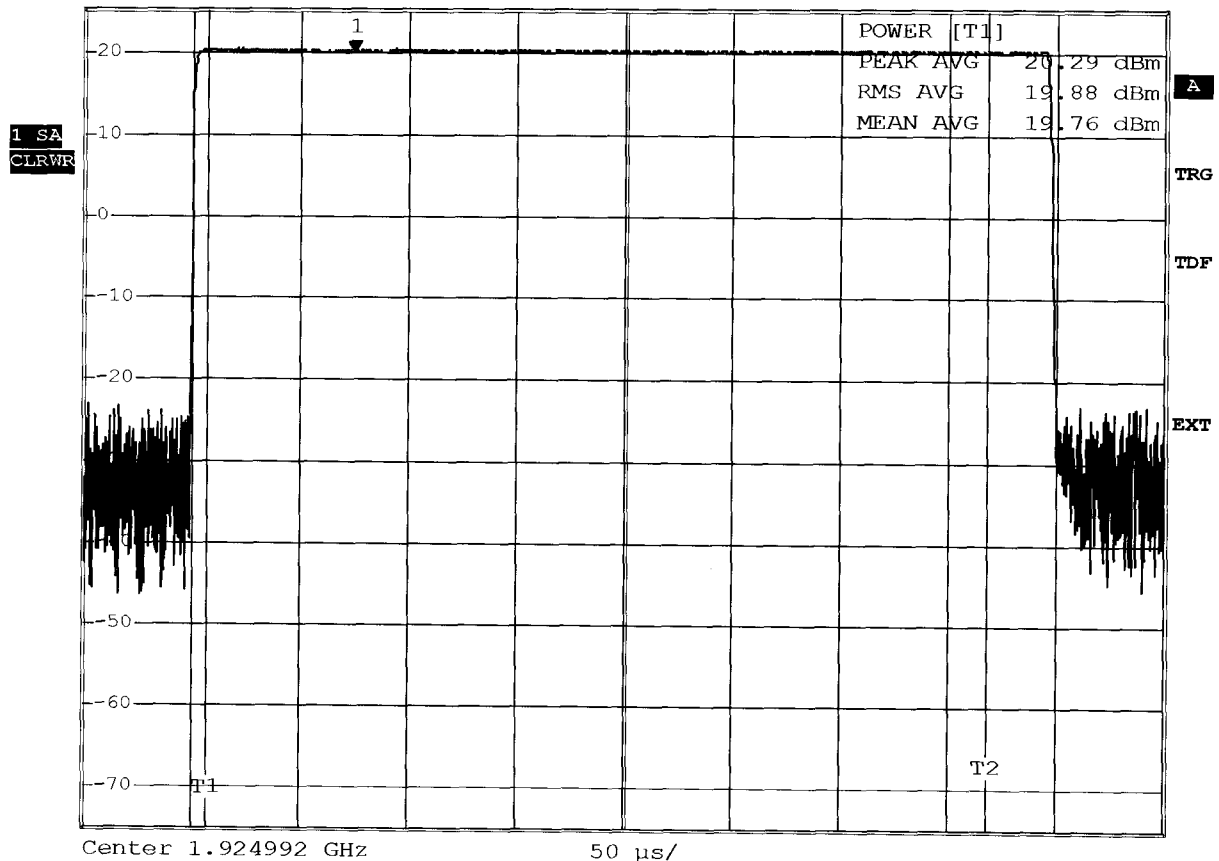
19.92 dBm

Ref 25 dBm

*Att 40 dB

SWT 500 µs

75.250000 µs



Comment: Ansi C63.17-1998 6.1.2

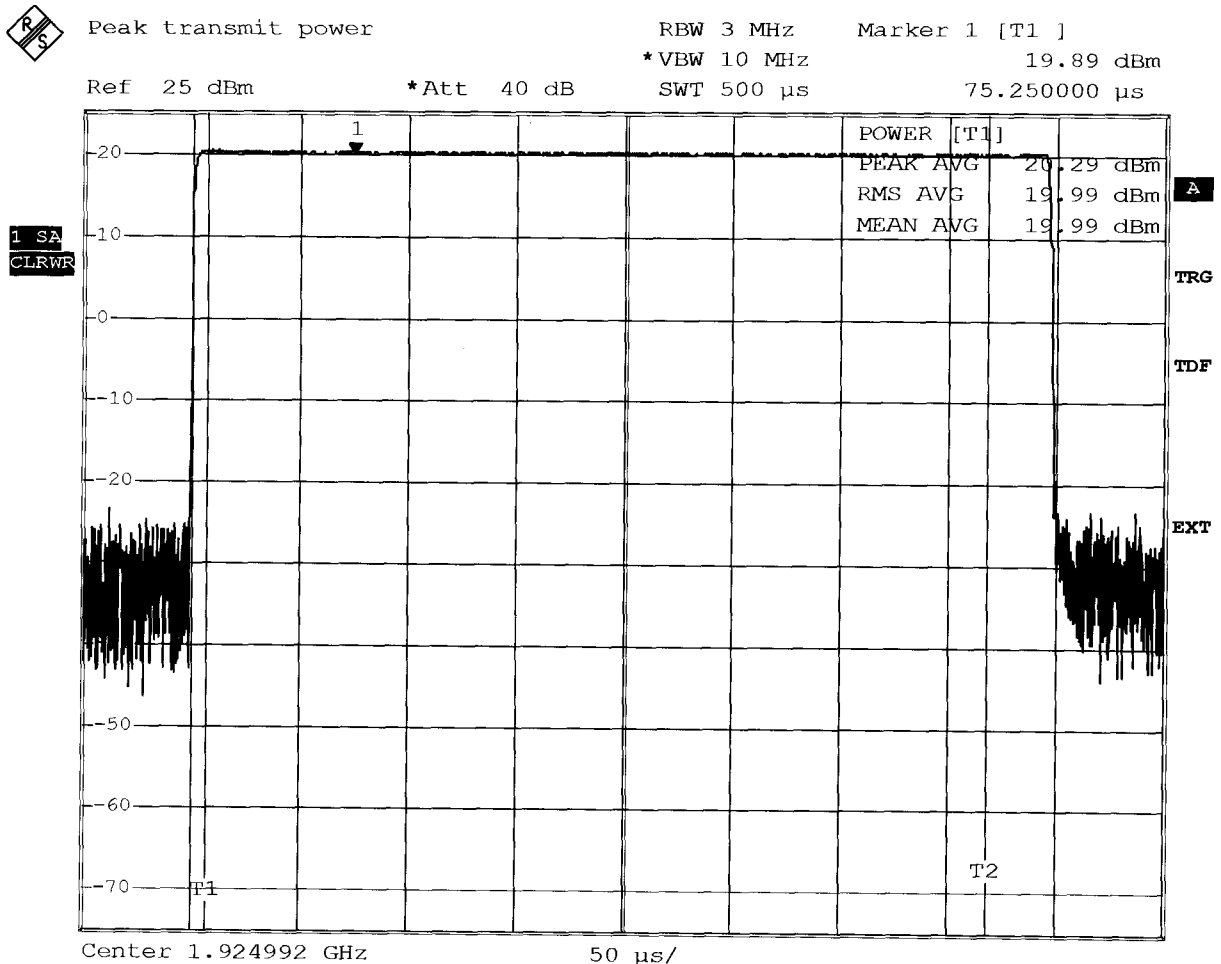
Date: 25.AUG.2005 22:19:54

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Test procedure ANSI 63.17-1998 6.1.2 UPCS

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Umax
Measured Bandwidth	1.438MHz
Max. Permitted Power	20,78 dBm
Measured Power	20,30 dBm
Test result	Verdict = PASS



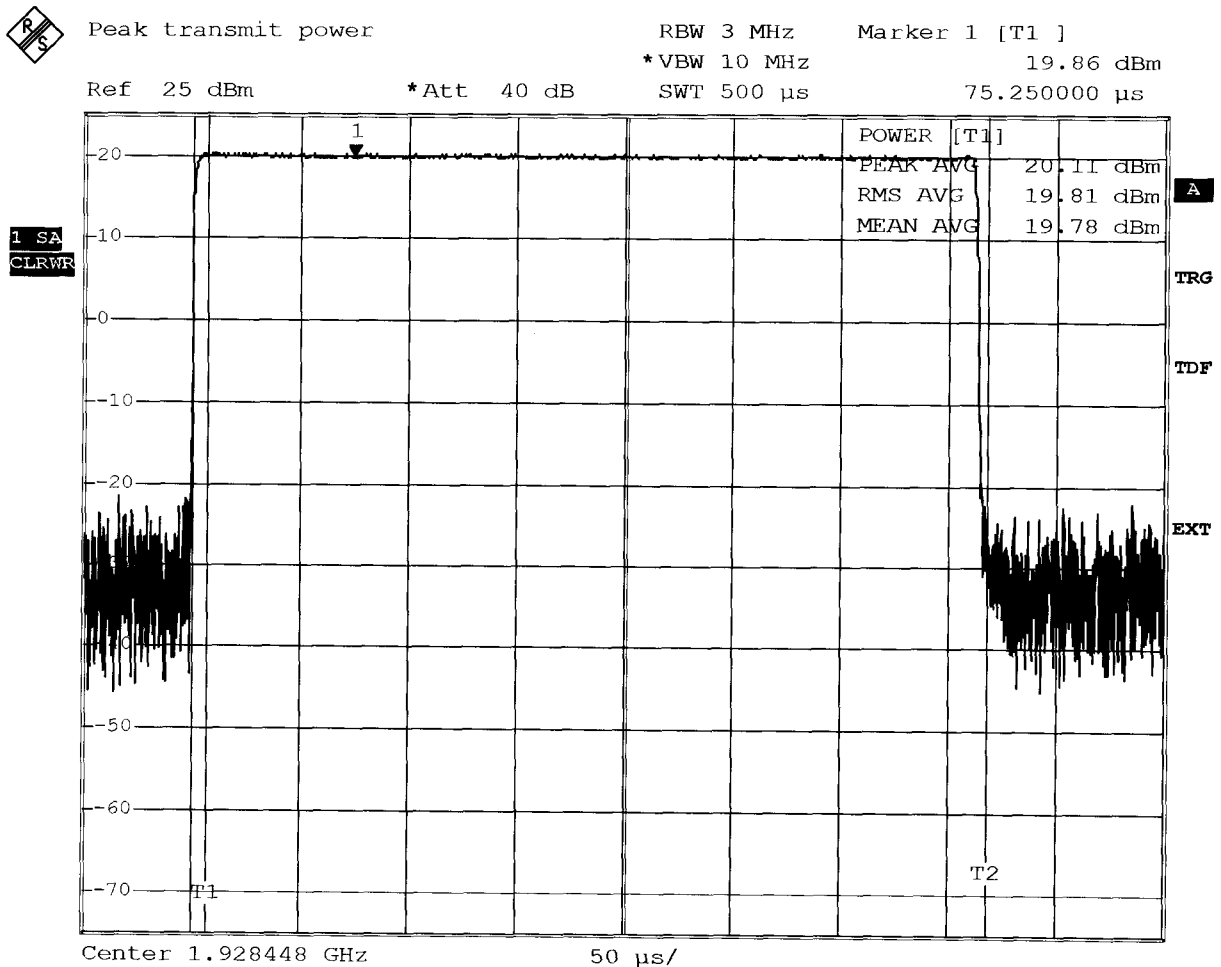
Comment: Ansi C63.17-1998 6.1.2
Date: 25.AUG.2005 22:20:56

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Test procedure ANSI 63.17-1998 6.1.2 UPCS

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Unom
Measured Bandwidth	1.438MHz
Max. Permitted Power	20,78 dBm
Measured Power	20,11 dBm
Test result	Verdict = PASS



Comment: Ansi C63.17-1998 6.1.2
Date: 25.AUG.2005 22:22:21

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Test procedure ANSI 63.17-1998 6.1.2 UPCS

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Umin
Measured Bandwidth	1.438MHz
Max. Permitted Power	20,78 dBm
Measured Power	20,12 dBm
Test result	Verdict = PASS



Peak transmit power

RBW 3 MHz

Marker 1 [T1]

*VBW 10 MHz

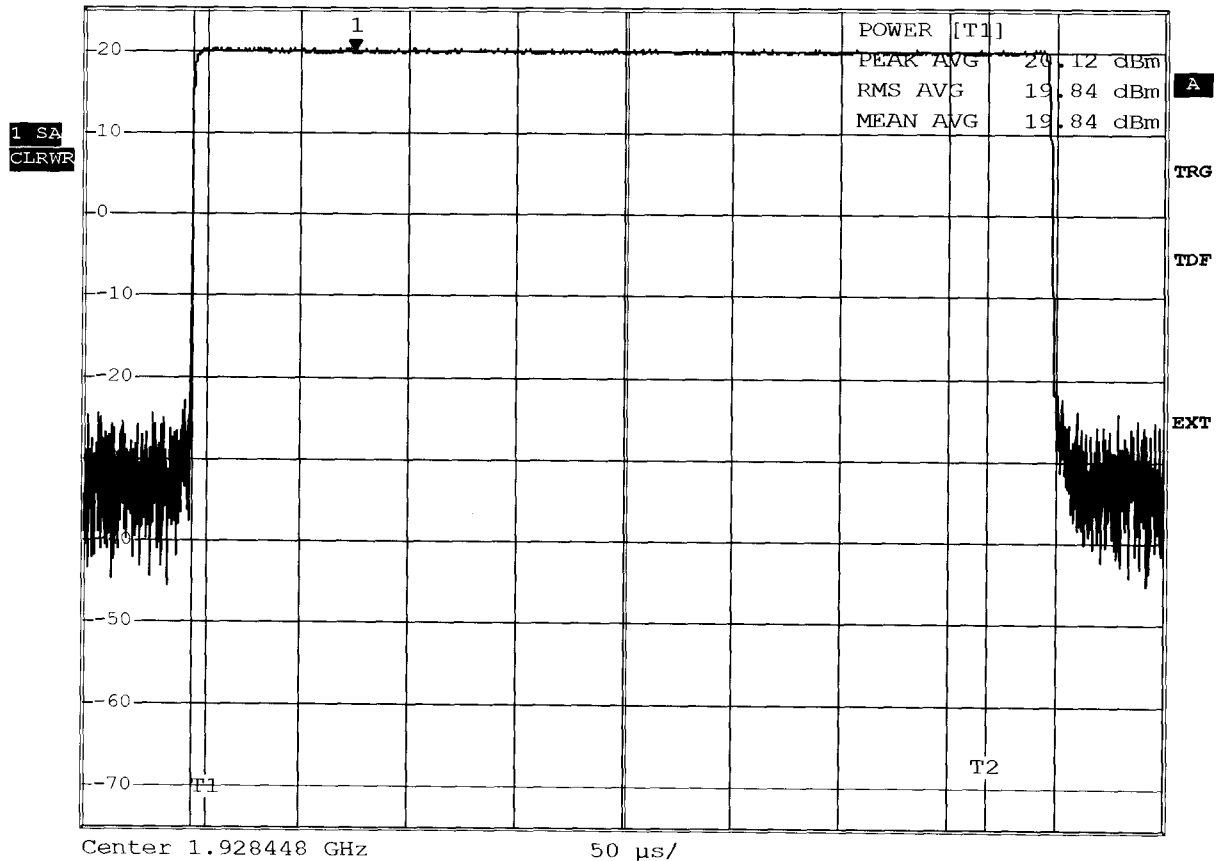
19.80 dBm

Ref 25 dBm

*Att 40 dB

SWT 500 µs

75.250000 µs



Comment: Ansi C63.17-1998 6.1.2

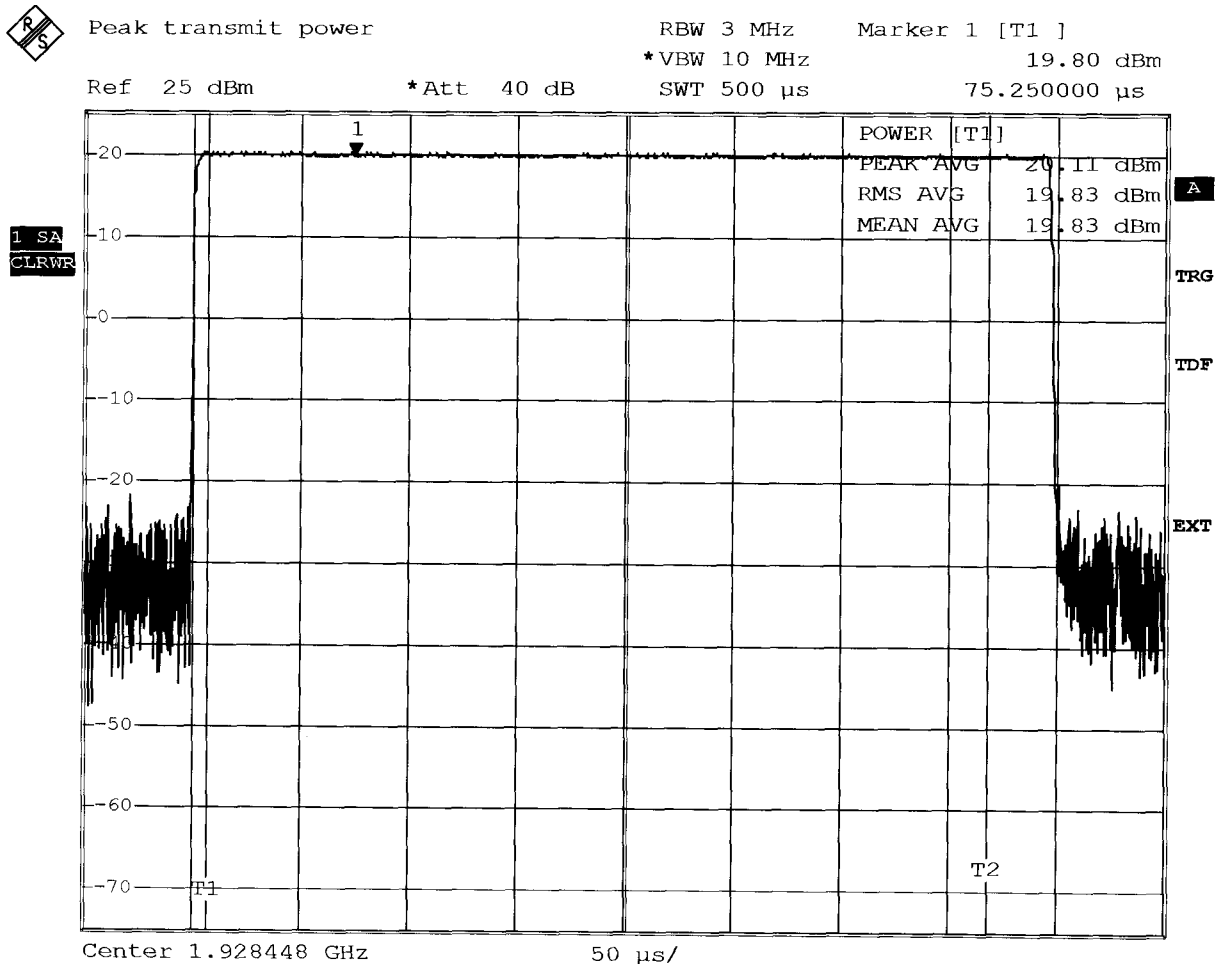
Date: 25.AUG.2005 22:23:25

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Test procedure ANSI 63.17-1998 6.1.2 UPCS

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Umax
Measured Bandwidth	1.438MHz
Max. Permitted Power	20,78 dBm
Measured Power	20,11 dBm
Test result	Verdict = PASS



Comment: Ansi C63.17-1998 6.1.2
Date: 25.AUG.2005 22:24:23

Measurement diagram

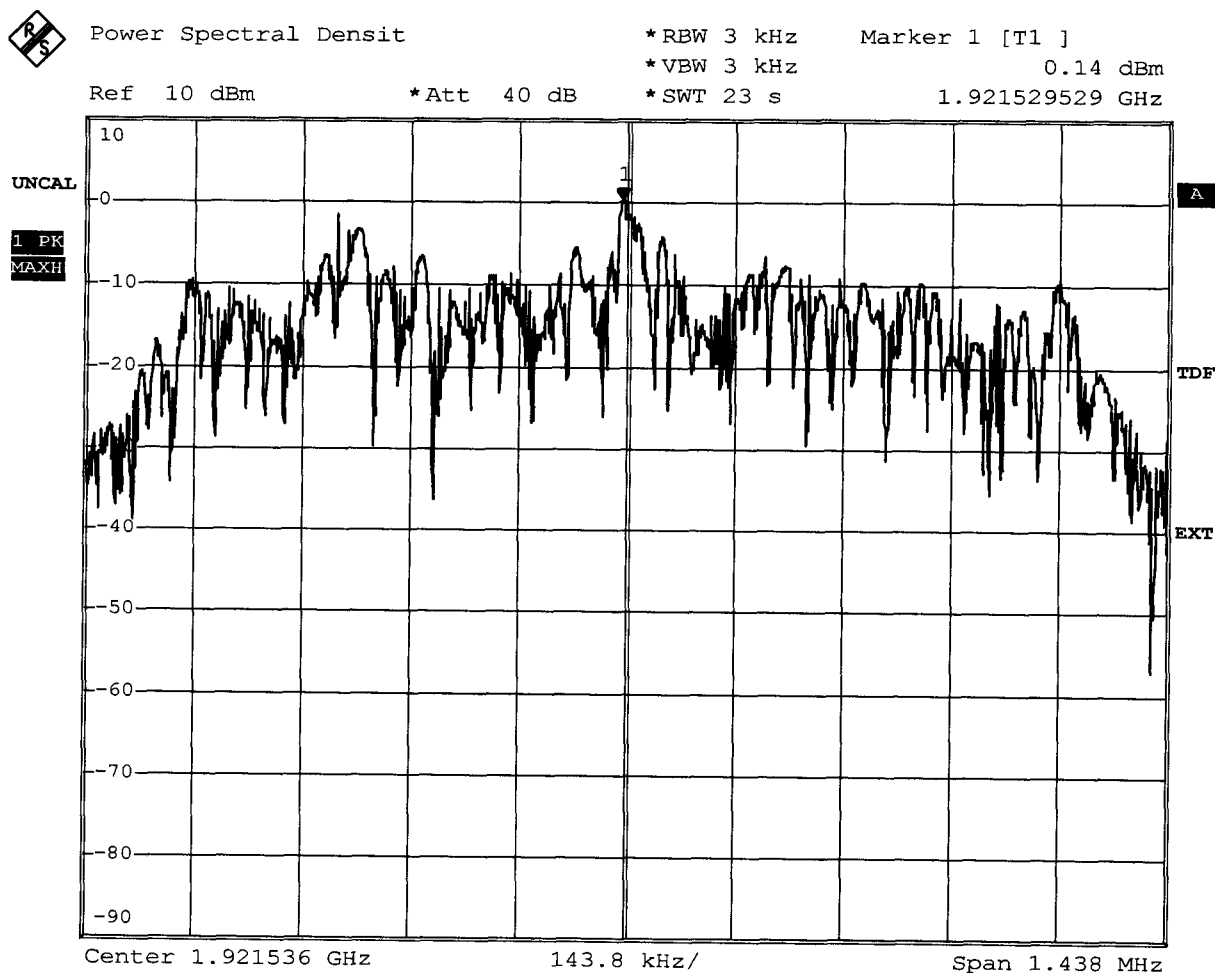
Appendix H

Power spectral density

FCC Part 15.319(d) Power spectral density**Testprocedure ANSI 63.17-1998 6.1.5
UPCS**

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

Test step 1 initial condition



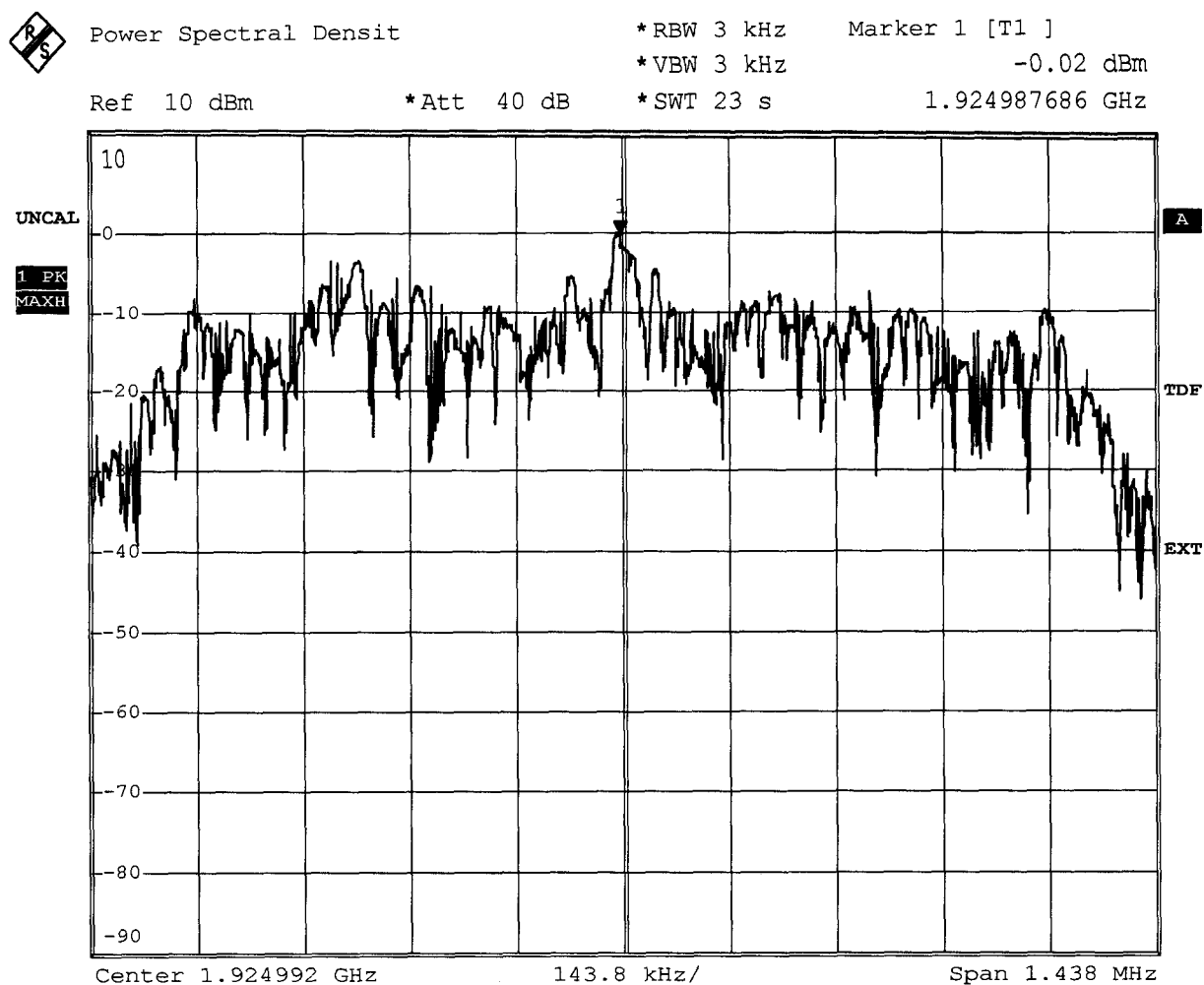
Comment: Ansi C63.17-1998 6.1.5
Date: 22.AUG.2005 09:19:36

Measurement diagram

FCC Part 15.319(d) Power spectral density**Testprocedure ANSI 63.17-1998 6.1.5****UPCS**

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

Test step 1 initial condition



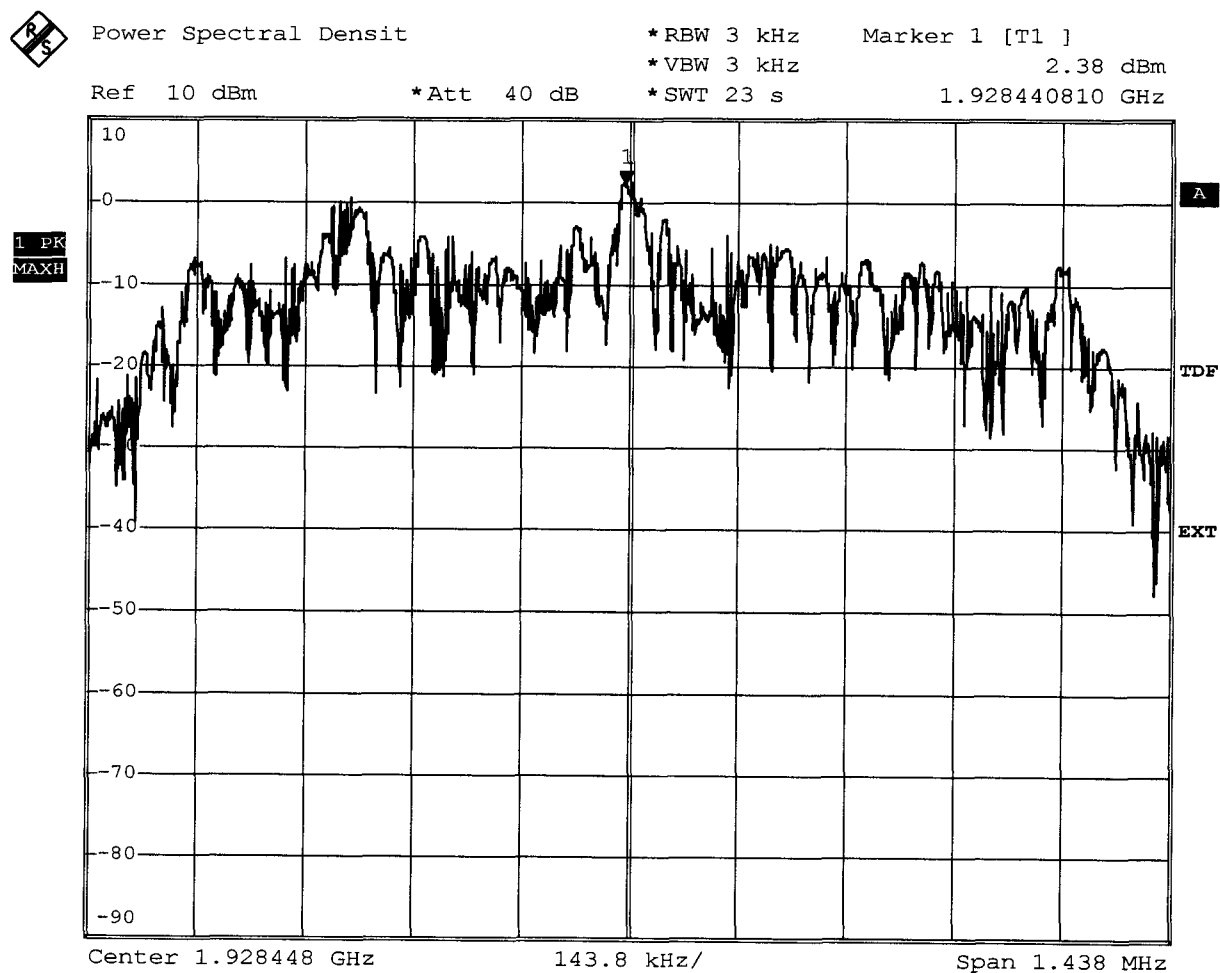
Comment: Ansi C63.17-1998 6.1.5
Date: 22.AUG.2005 09:25:13

Measurement diagram

FCC Part 15.319(d) Power spectral density**Testprocedure ANSI 63.17-1998 6.1.5
UPCS**

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

Test step 1 initial condition



Comment: Ansi C63.17-1998 6.1.5
Date: 22.AUG.2005 09:28:16

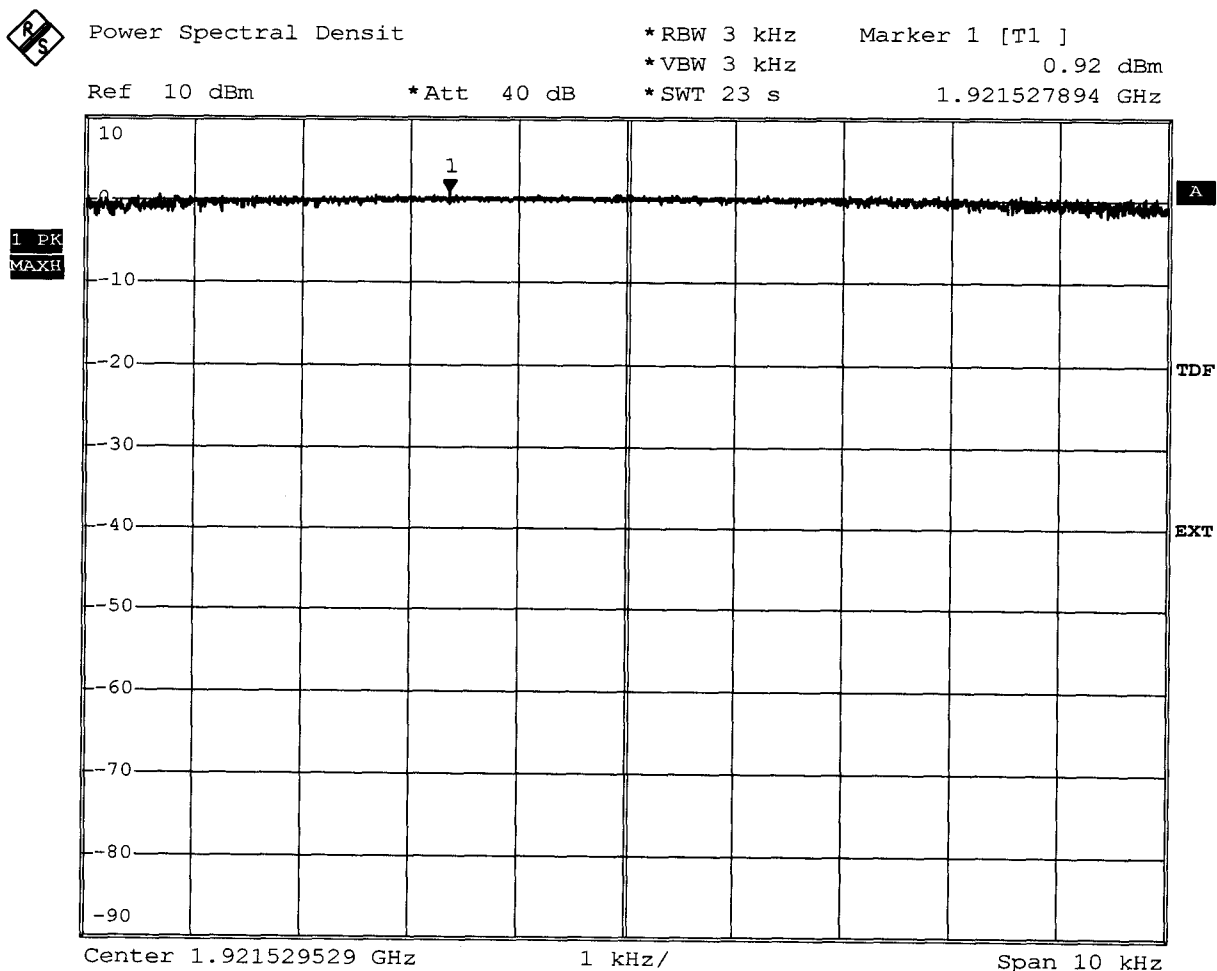
Measurement diagram

FCC Part 15.319(d) Power spectral density

Testprocedure ANSI 63.17-1998 6.1.5 UPCS

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

Measured Maximum	0.918 dBm
Value in mW	1.235mW
Maximal permitted	limit=3mW
Test result	Verdict = PASS



Comment: Ansi C63.17-1998 6.1.5
Date: 22.AUG.2005 09:22:03

Measurement diagram

FCC Part 15.319(d) Power spectral density**Testprocedure ANSI 63.17-1998 6.1.5****UPCS**

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

Measured Maximum	1.165 dBm
Value in mW	1.308mW
Maximal permitted	limit=3mW
Test result	Verdict = PASS



Power Spectral Densit

*RBW 3 kHz

Marker 1 [T1]

*VBW 3 kHz

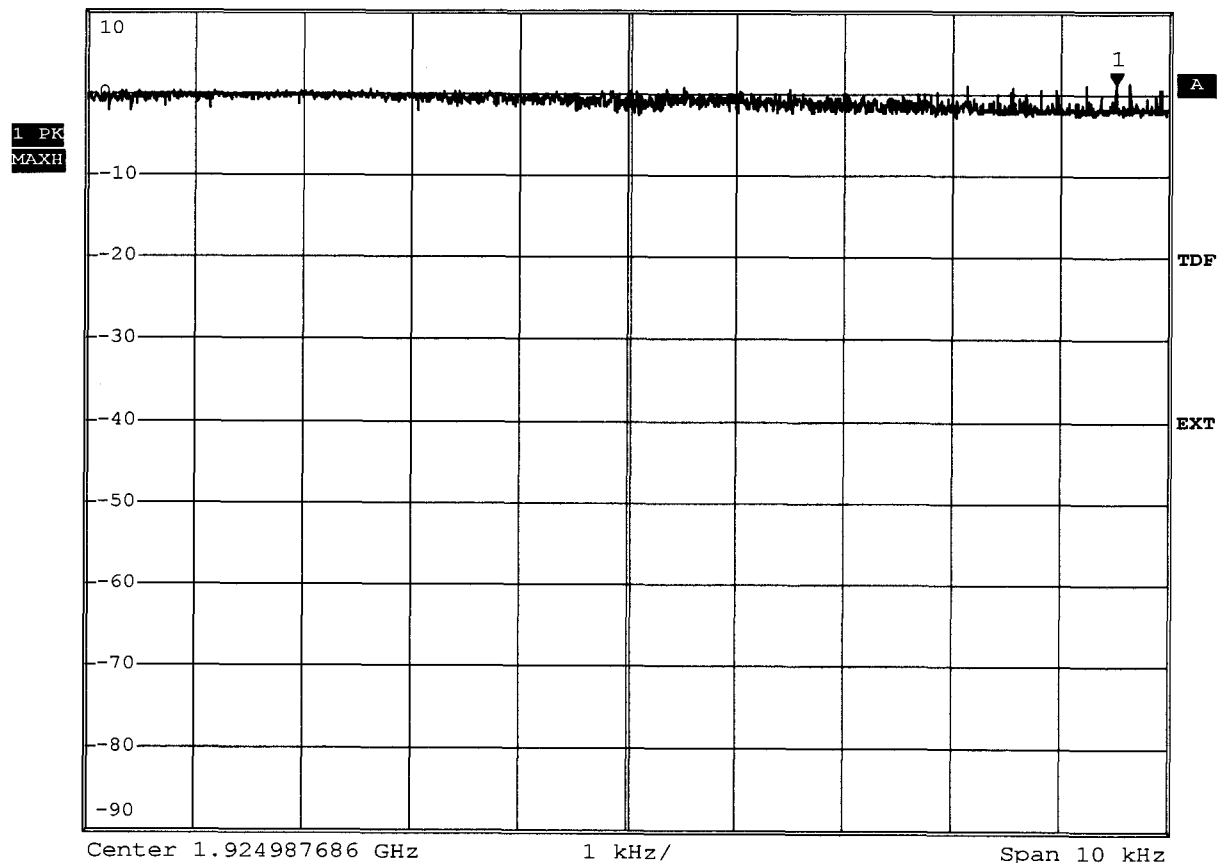
1.16 dBm

Ref 10 dBm

*Att 40 dB

*SWT 23 s

1.924992201 GHz



Comment: Ansi C63.17-1998 6.1.5

Date: 22.AUG.2005 09:26:09

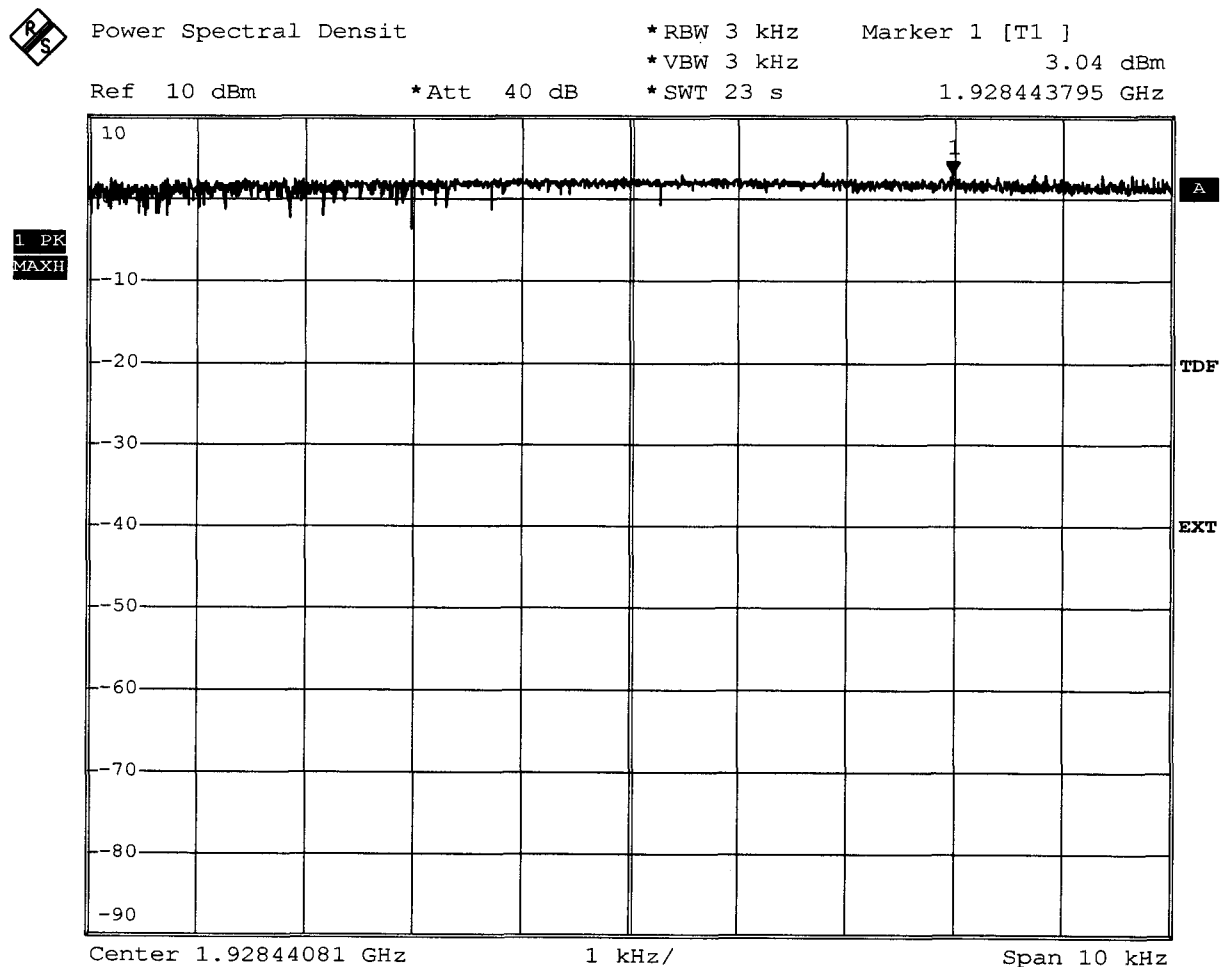
Measurement diagram

FCC Part 15.319(d) Power spectral density

Testprocedure ANSI 63.17-1998 6.1.5 UPCS

EUT	Gateway RTX3080
Model	RTX3080
Applicant	RTX America Inc.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

Measured Maximum	3.045 dBm
Value in mW	2.016mW
Maximal permitted	limit=3mW
Test result	Verdict = PASS



Comment: Ansi C63.17-1998 6.1.5
 Date: 22.AUG.2005 09:29:09

Measurement diagram



Appendix I

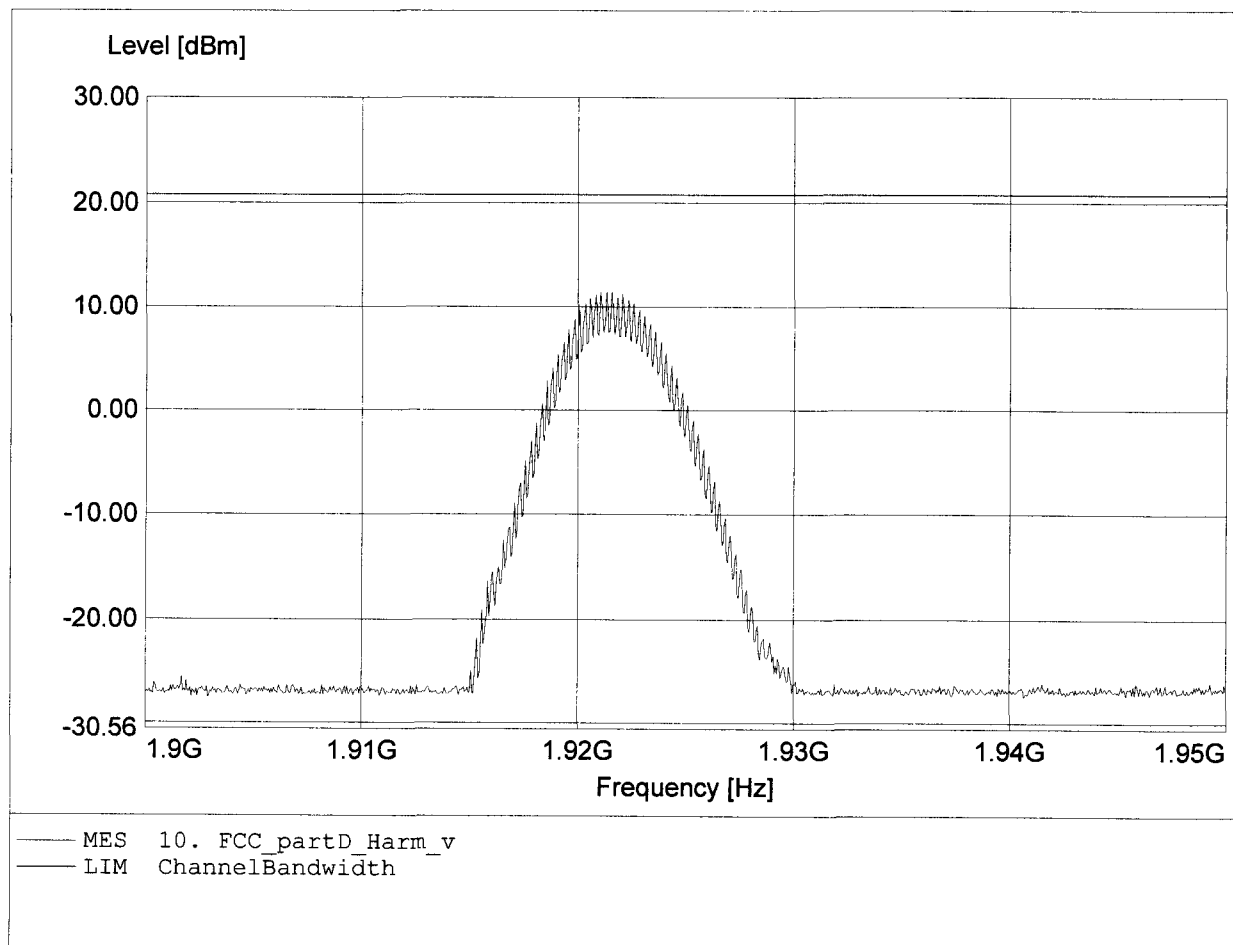
Directional gain of the antenna

Appendix J

Radio frequency radiation exposure

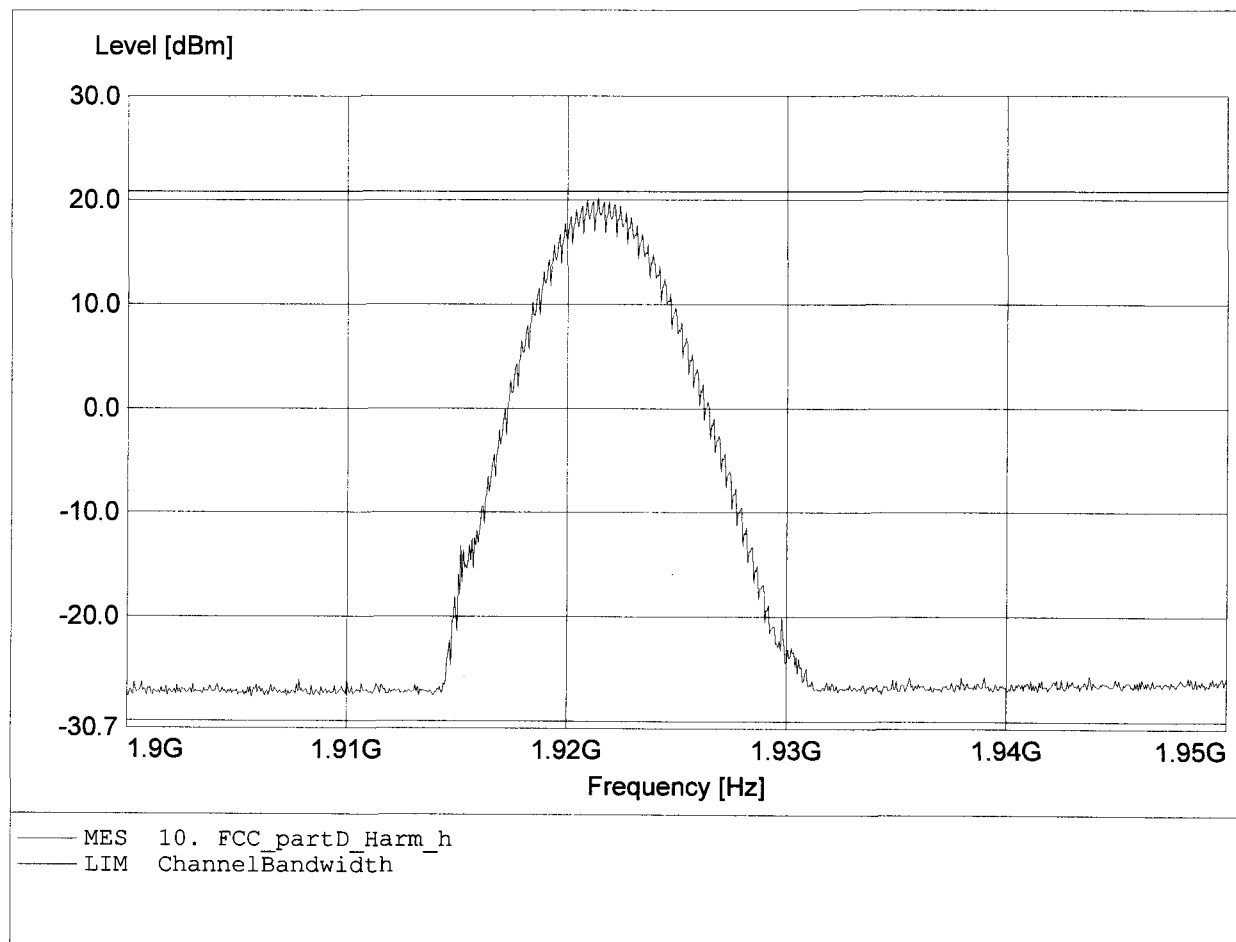
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / 1921.536 MHz
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 025,
Comment 2: Freq:1.921GHz Pmax:11.43dBm RBW: 5 MHz



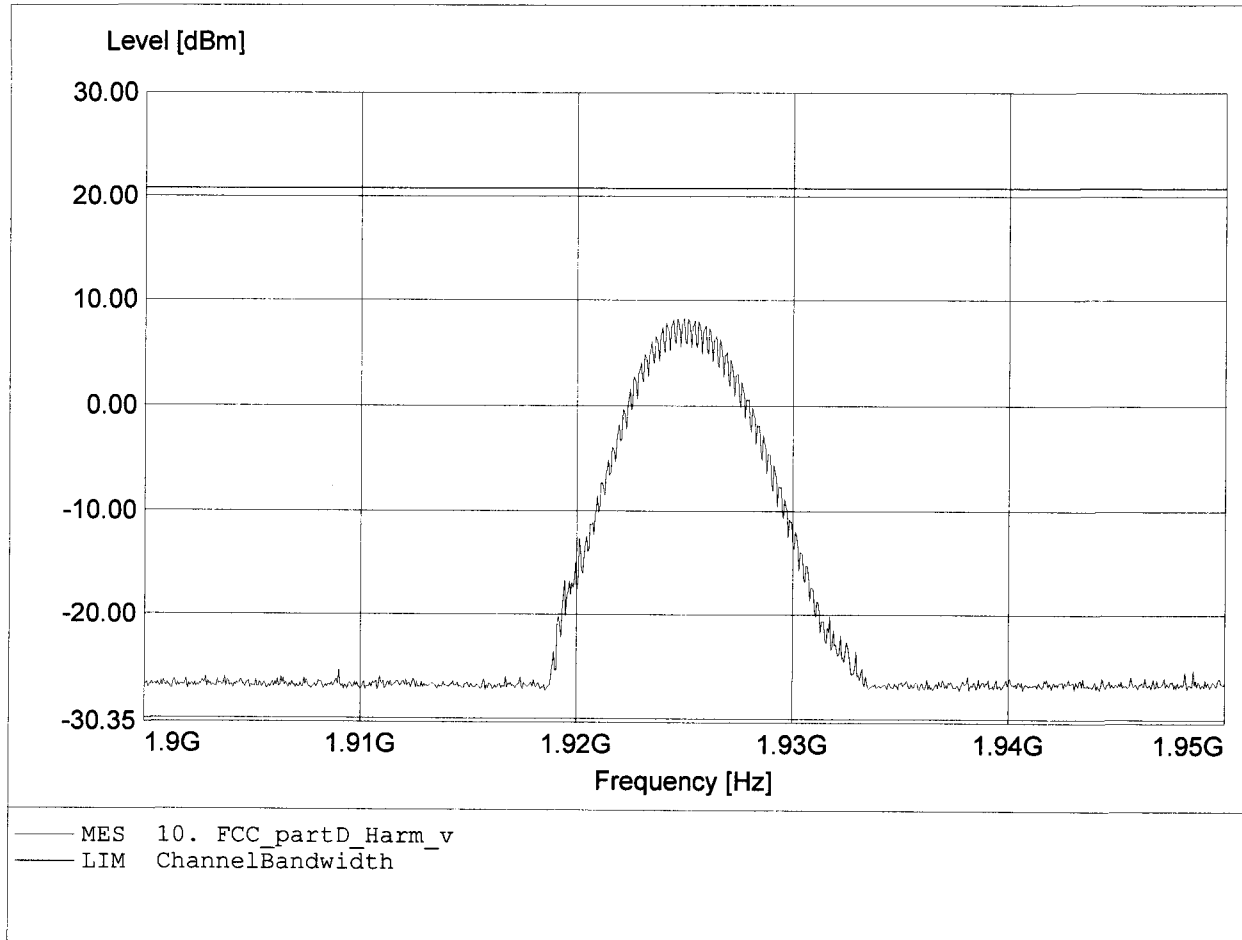
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / 1921.536 MHz
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 025,
Comment 2: Freq:1.921GHz Pmax:20.19dBm RBW: 5 MHz



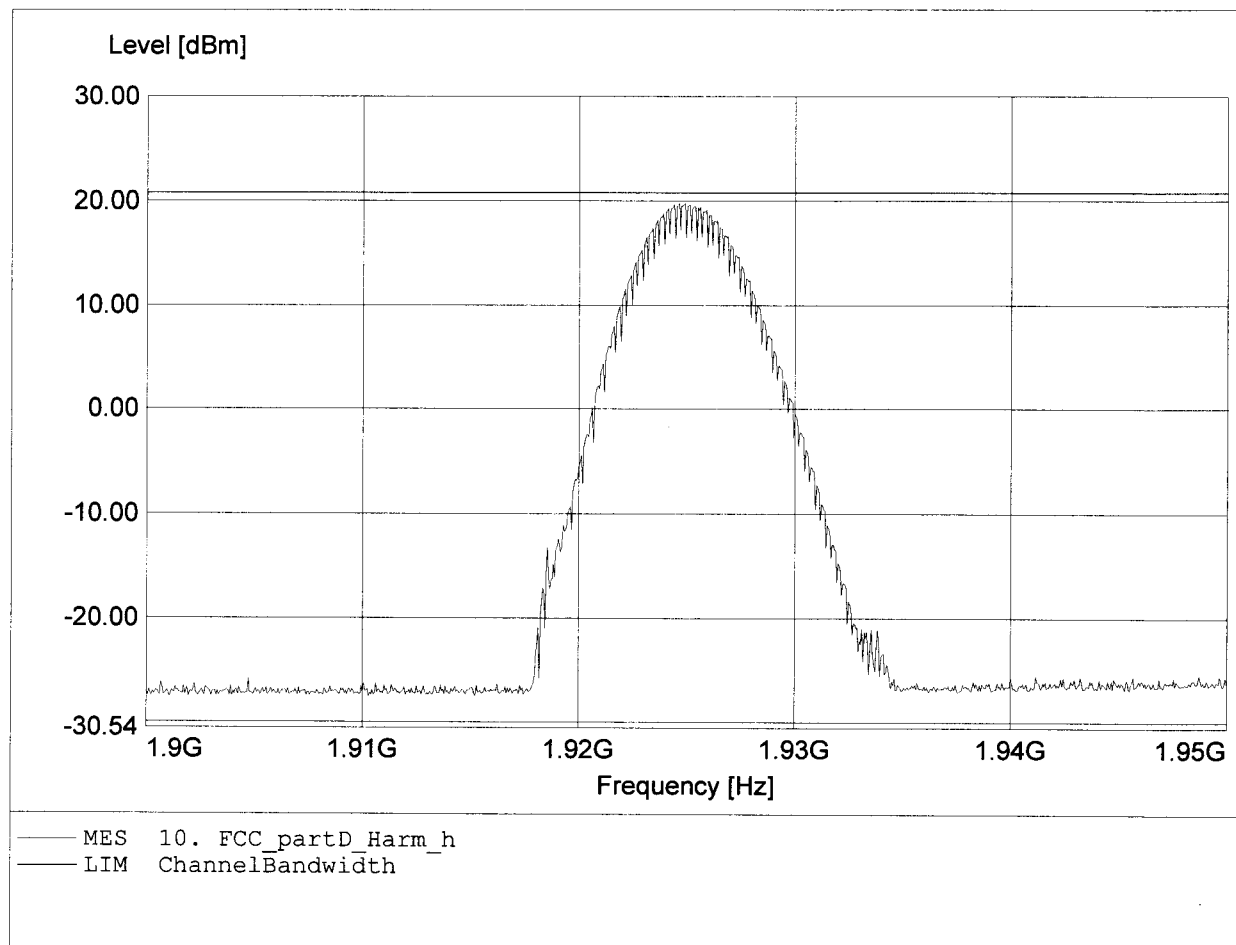
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / 1924.992 MHz
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 025,
Comment 2: Freq:1.925GHz Pmax:8.28dBm RBW: 5 MHz



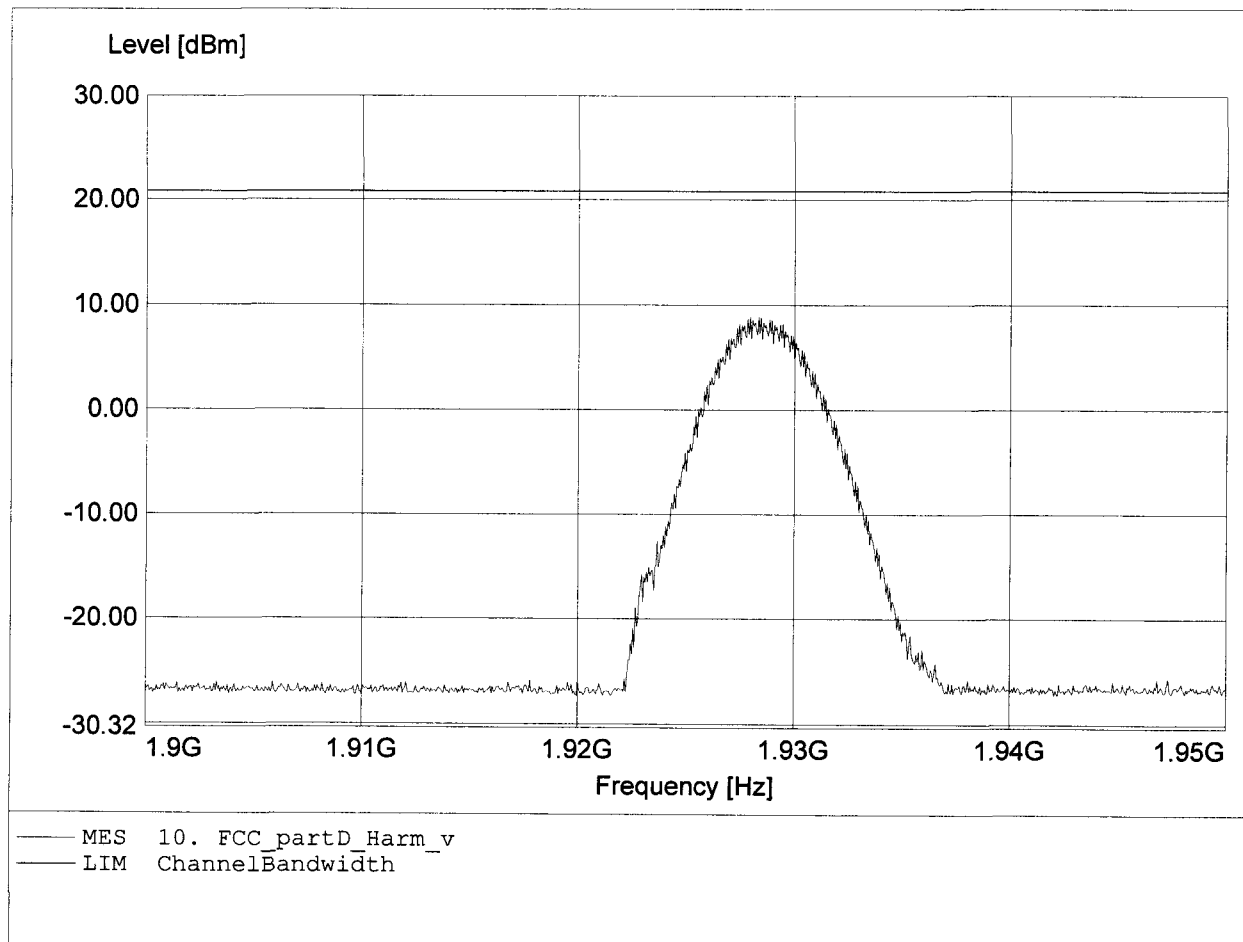
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / 1924.992 MHz
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 025,
Comment 2: Freq:1.925GHz Pmax:19.79dBm RBW: 5 MHz



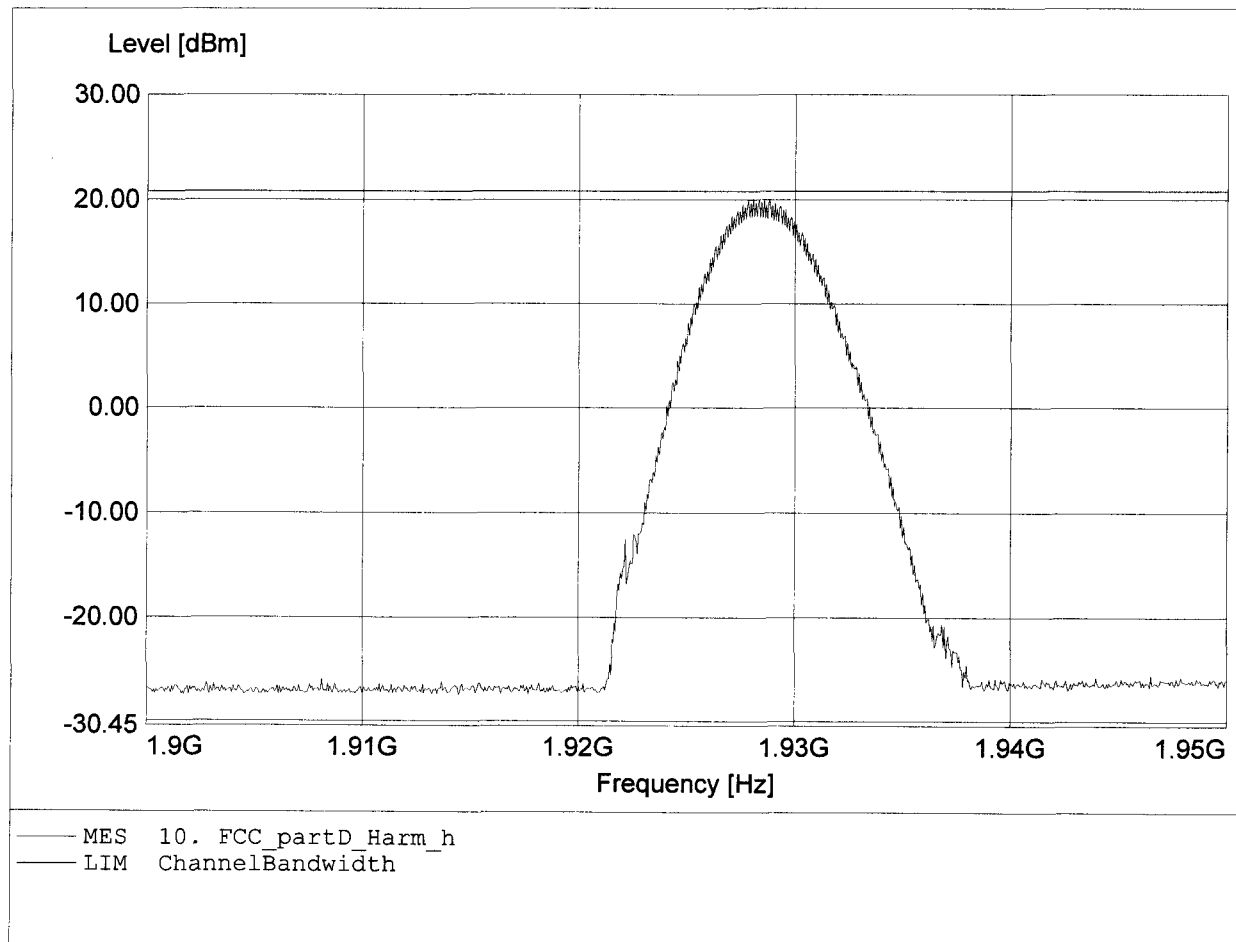
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / 1928.448 MHz
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 025,
Comment 2: Freq:1.928GHz Pmax:8.90dBm RBW: 5 MHz



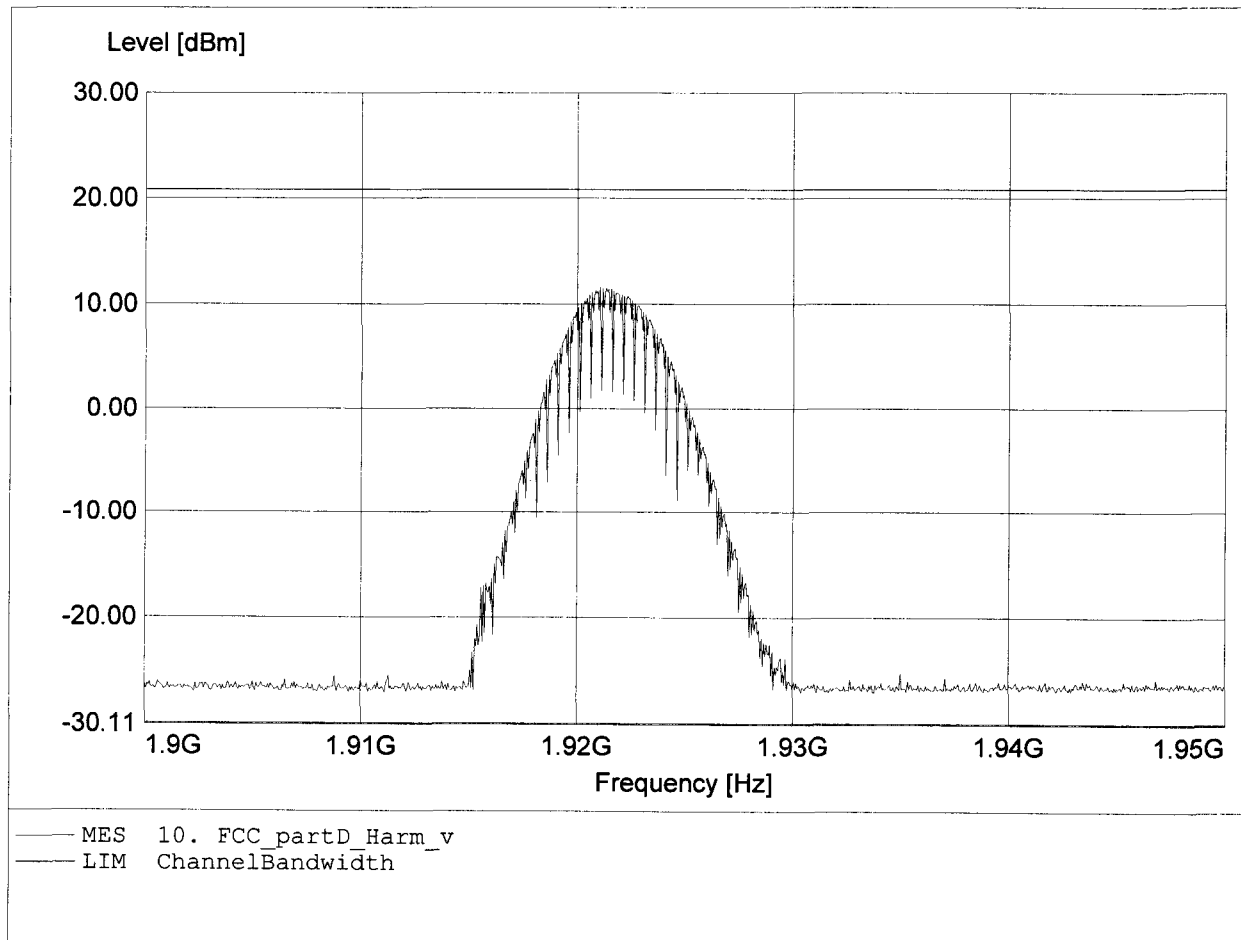
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 1 / 1928.448 MHz
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 025,
Comment 2: Freq:1.928GHz Pmax:20.17dBm RBW: 5 MHz



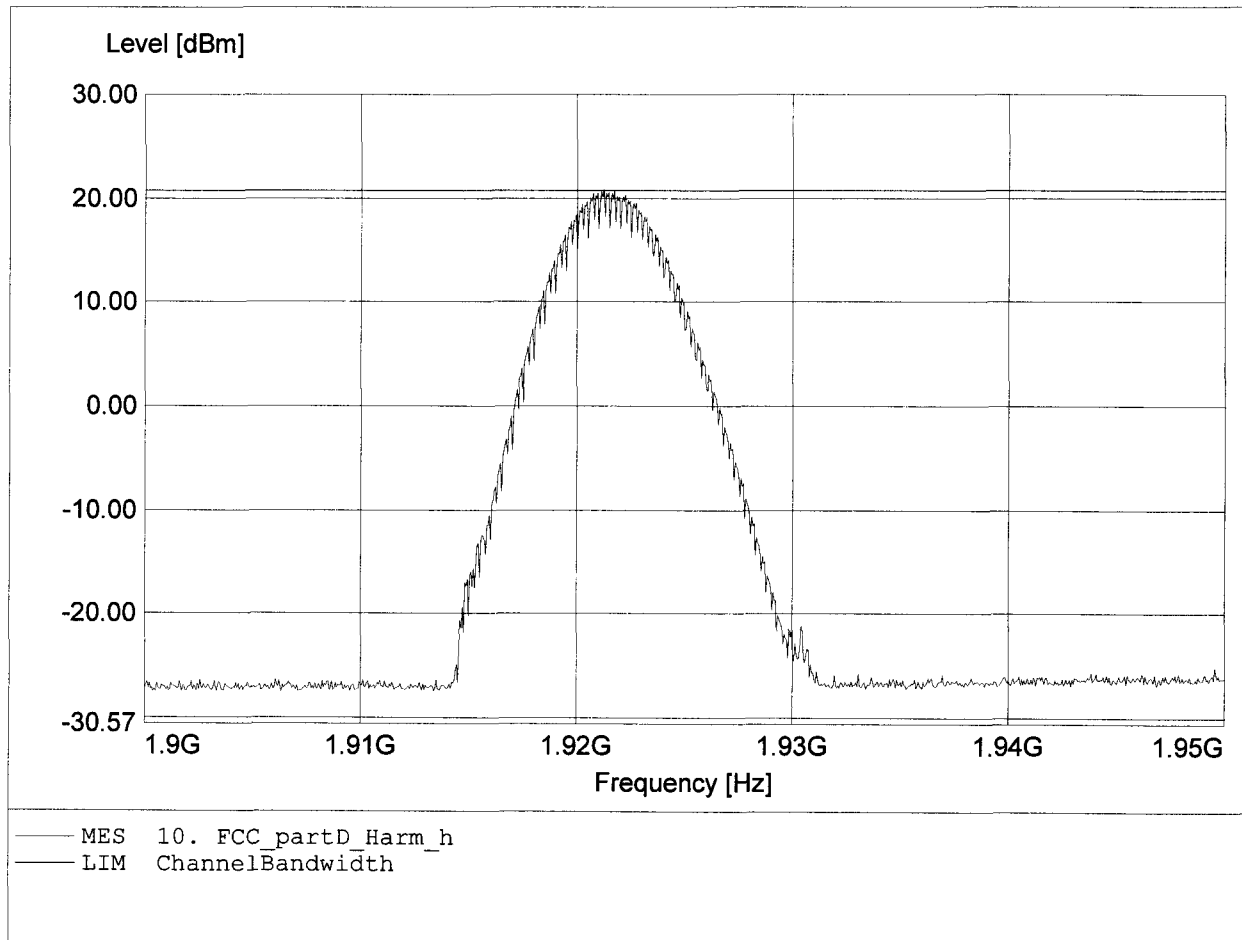
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / 1921.536 MHz
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 025,
Comment 2: Freq:1.921GHz Pmax:11.59dBm RBW: 5 MHz



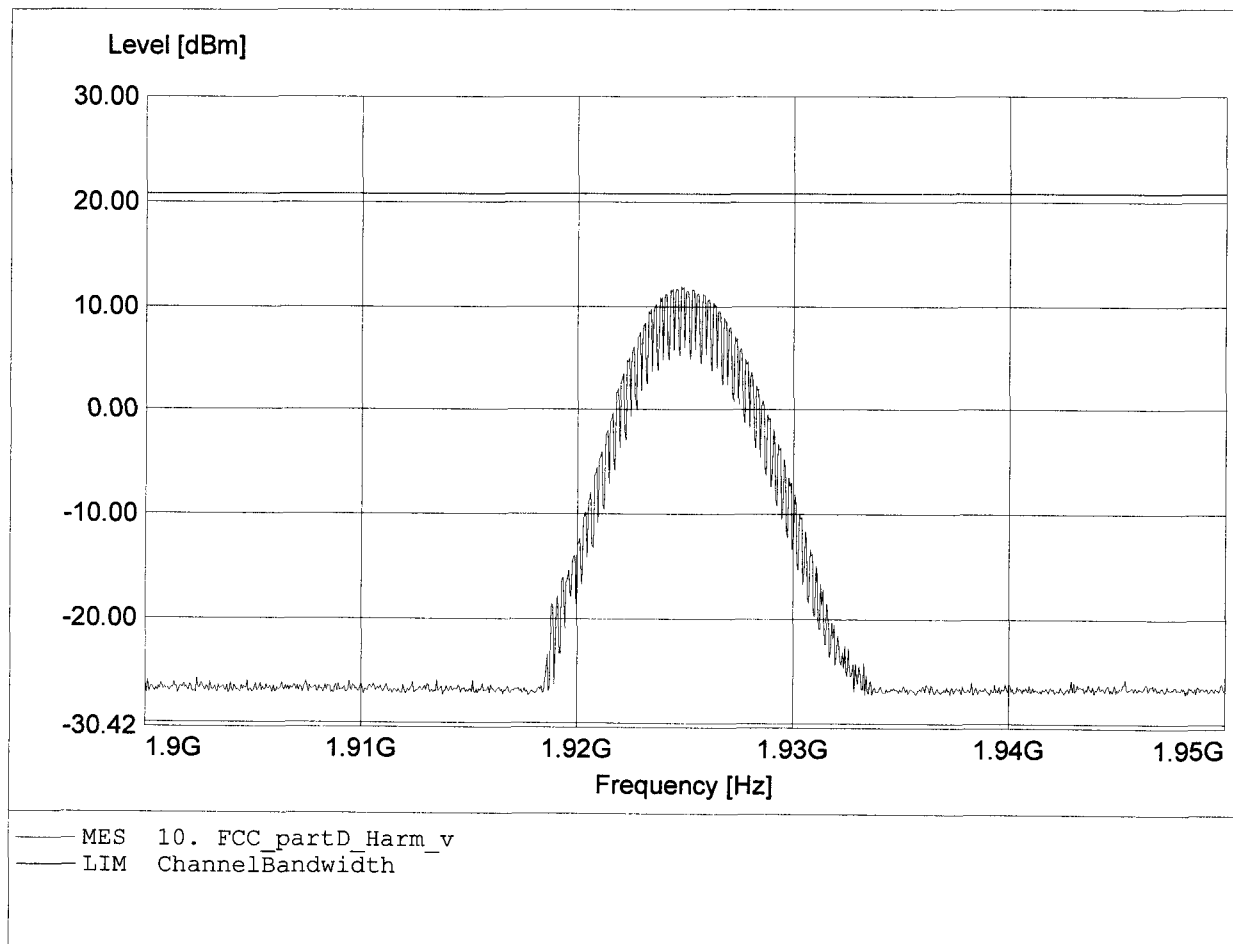
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / 1921.536 MHz
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 025,
Comment 2: Freq:1.921GHz Pmax:20.90dBm RBW: 5 MHz



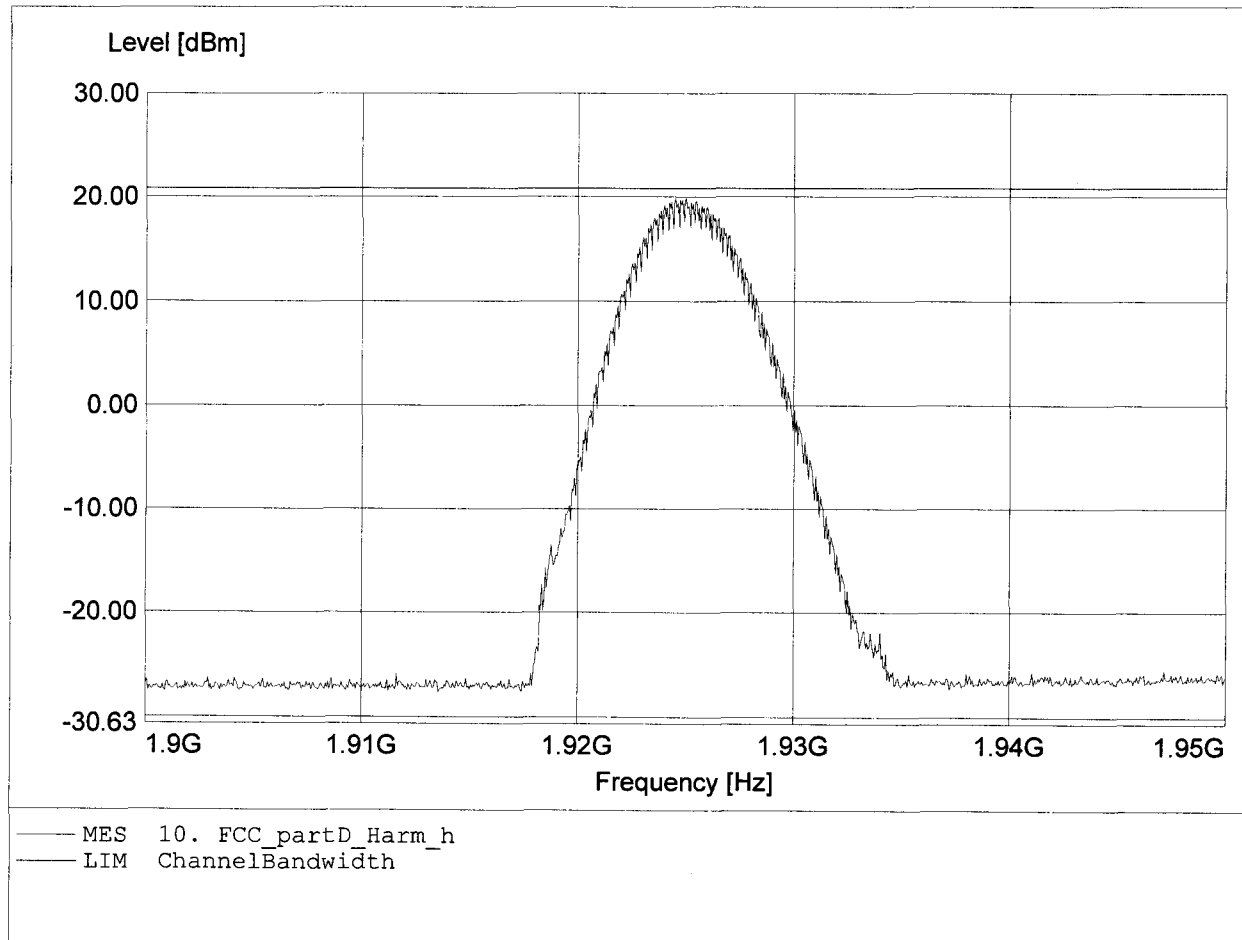
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / 1924.992 MHz
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 025,
Comment 2: Freq:1.925GHz Pmax:11.94dBm RBW: 5 MHz



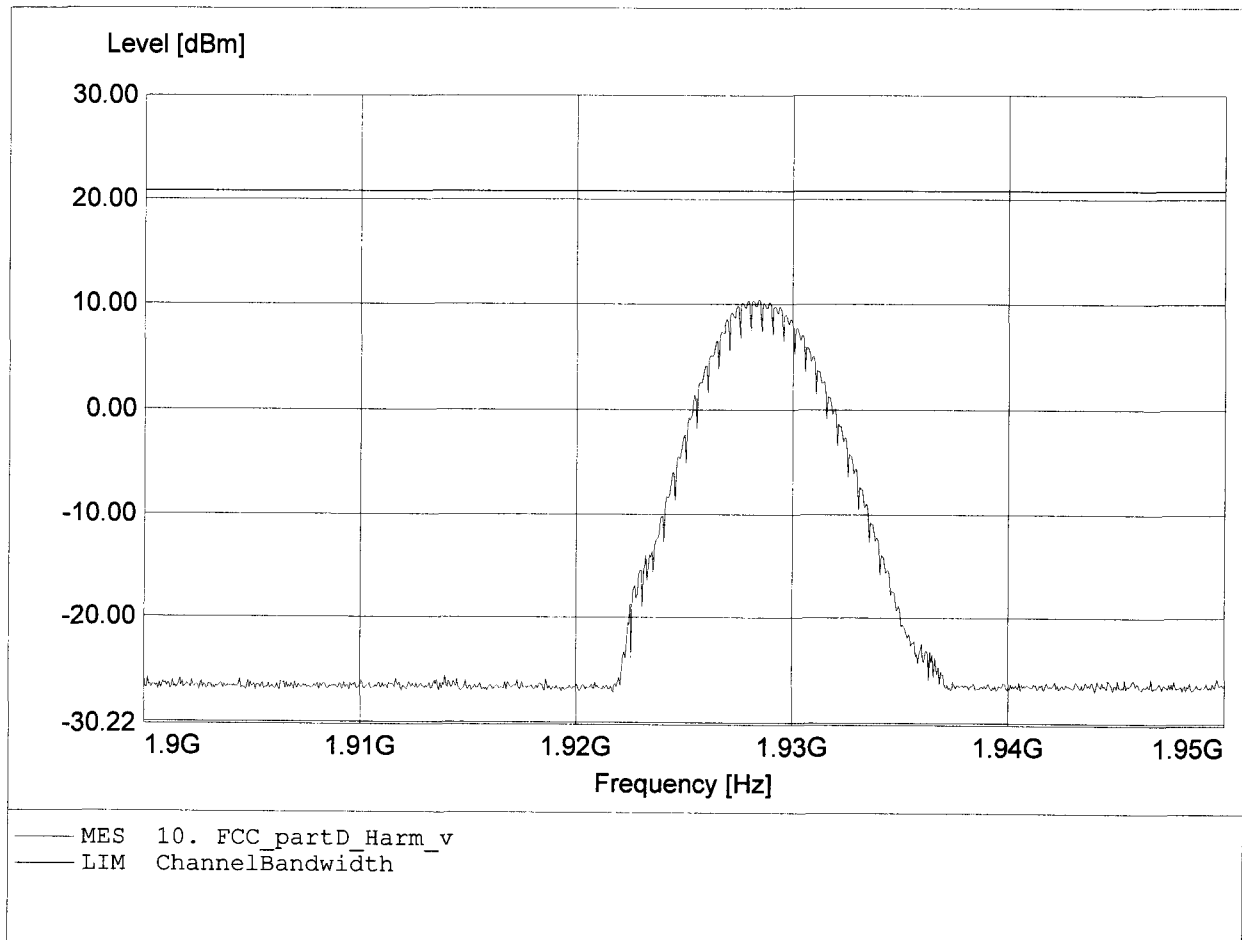
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / 1924.992 MHz
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 025,
Comment 2: Freq:1.925GHz Pmax:19.87dBm RBW: 5 MHz



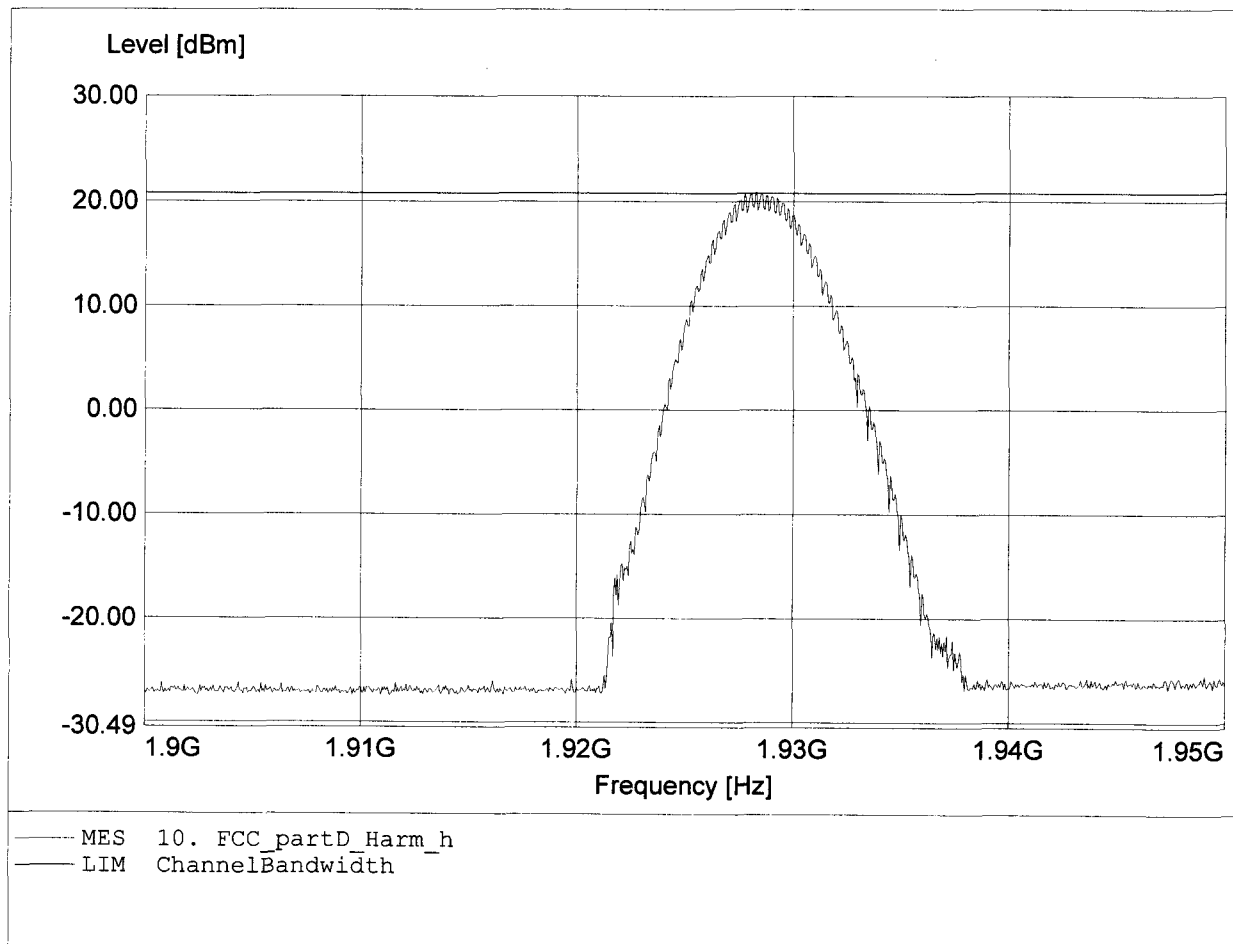
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / 1928.448 MHz
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 025,
Comment 2: Freq:1.928GHz Pmax:10.43dBm RBW: 5 MHz



Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: RTX America Inc.
EUT: Gateway RTX3080
Model: RTX3080 / ant.: 2 / 1928.448 MHz
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 025,
Comment 2: Freq:1.928GHz Pmax:20.93dBm RBW: 5 MHz



Appendix K

Monitoring threshold

Test case ANSI_7.3.1.1.3_upper_theshold.xml
 Date 24.08.2005 10:17:16
 Reference to the EUT G0M20508-9730 / RTX3080

 Comment: initial setup

 Gateway RTX3080
 RTX America Inc.

The LOG table shows the level changes on each Channel of the transmission system

Time stamp	1921.536 MHz	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	
00:03:37.5312500	-36,2 -65,1	-16,6 -40,4	-80,5 -90,8	-61,6 -87,5	-69,8 -89,3	No interference
00:04:54.7187500	-51,6 -52,1	-51,6 -52,2	-51,6 -52,2	-51,6 -52,2	-51,7 -52,3	Interference on -52 dBm
00:05:11.2031250	-52,7 -53,2	-52,7 -53,3	-52,6 -53,2	-52,7 -53,3	-52,7 -53,3	-53 dBm
00:05:25.3750000	-53,7 -54,2	-53,7 -54,3	-53,6 -54,4	-53,6 -54,3	-53,6 -54,3	-54 dBm
00:05:37.6875000	-54,6 -55,2	-54,6 -55,3	-54,6 -55,3	-54,7 -55,4	-54,6 -55,3	-55 dBm
00:05:51.2500000	-55,6 -56,2	-55,6 -56,2	-55,6 -56,3	-55,6 -56,3	-55,6 -56,3	-56 dBm
00:06:04.8593750	-56,5 -57,2	-56,5 -57,2	-56,4 -57,3	-56,5 -57,3	-56,5 -57,4	-57 dBm
00:06:21.4531250	-57,4 -58,1	-57,5 -58,2	-57,5 -58,3	-57,5 -58,4	-57,6 -58,4	-58 dBm
00:06:36.1250000	-58,3 -59,1	-58,4 -59,3	-58,5 -59,3	-58,5 -59,3	-58,5 -59,4	-59 dBm
00:06:50.9375000	-59,2 -60,2	-59,3 -60,2	-59,4 -60,3	-59,4 -60,3	-59,3 -60,4	-60 dBm
00:07:08.8281250	-56,5 -61,1	-36,2 -59,5	-56,5 -61,0	-56,7 -61,1	-59,8 -61,4	-61 dBm
00:07:24.9843750	-61,2 -62,2	-59,7 -62,2	-53,5 -62,3	-37,1 -60,8	-16,6 -40,5	Upper threshold -62 dBm

Log file

ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH
 Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Test case ANSI_7.3.2.1.2_least_interfered_channel.xml
 Date 24.08.2005 10:30:11
 Reference to the EUT G0M20508-9730 / RTX3080
 Comment: 7.3.2.1.2_a

Gateway RTX3080
 RTX America Inc.

The LOG table shows the level changes on each Channel of the transmission system

Time stamp	1921.536 MHz	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	
00:17:00.0468750	-55,4 -85,3	-36,6 -65,1	-16,7 -40,8	-46,5 -73,7	-62,1 -87,8	Interference off
00:17:34.0156250	-55,6 -56,2	-55,6 -56,3	-51,4 -56,3	-36,6 -61,1	-16,8 -41	Interference on, OK 1
00:18:15.3750000	-16,7 -40,9	-46,8 -76,2	-61,7 -86,2	-70,6 -89,9	-71,9 -90,1	Interference off
00:18:25.2812500	-55,5 -56,2	-55,6 -56,3	-50,5 -56,3	-37,7 -61,3	-16,5 -40,4	Interference on, OK 2
00:18:38.8281250	-36,5 -65	-16,7 -40,6	-46,6 -76,3	-64,1 -88	-70,5 -89,6	Interference off
00:19:05.4218750	-55,5 -56,2	-55,5 -56,3	-50,8 -56,3	-37 -61,2	-16,7 -40,4	Interference on, OK 3
00:19:20.9843750	-71,6 -89,7	-70,6 -89,7	-55,5 -85,7	-36,9 -65,3	-16,7 -40,6	Interference off
00:19:48.1406250	-55,5 -56,2	-55,6 -56,3	-55,6 -56,3	-37,3 -61,3	-16,6 -40,8	Interference on, OK 4
00:20:17.1250000	-36,4 -65,2	-16,6 -40,6	-46,9 -76,3	-62,9 -88	-69,3 -89,7	Interference off
00:20:43.7968750	-55,6 -56,3	-55,6 -56,3	-52,1 -56,3	-36,9 -61,4	-16,7 -40,7	Interference on, OK 5

Log file

Test case ANSI_7.3.2.1.2_least_interfered_channel.xml
 Date 24.08.2005 10:36:26
 Reference to the EUT G0M20508-9730 / RTX3080
 Comment: 7.3.2.1.2_b
 Gateway RTX3080
 RTX America Inc.

The LOG table shows the level changes on each Channel of the transmission system

Time stamp	1921.536 MHz	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	
00:25:14.5312500	-70,1 -89,9	-56,1 -86	-37 -65,4	-16,7 -41,2	-46,6 -75,6	Interference off
00:25:26.0312500	-55,6 -56,2	-50,6 -56,3	-38 -55,9	-16,7 -40,8	-46 -63,2	Interference on, OK 1
00:25:41.6093750	-56,7 -86,1	-36,3 -64,9	-16,7 -41	-47,3 -75,4	-64,2 -88,4	Interference off
00:25:51.3750000	-55,5 -56,2	-55,3 -56,3	-36,8 -55,6	-16,7 -40,6	-47,7 -63,2	Interference on, OK 2
00:26:06.2812500	-36,3 -65,1	-16,6 -40,7	-46,7 -76	-63 -87,9	-68,1 -89,2	Interference off
00:26:14.5156250	-55,3 -56,2	-55,4 -56,3	-37,4 -55,9	-16,5 -40,8	-46,2 -63,1	Interference on, OK 3
00:26:29.6093750	-16,5 -40,7	-47,5 -76,4	-62 -85	-71,1 -90	-72 -90,1	Interference off
00:26:37.8906250	-55,5 -56,2	-52,7 -56,3	-37,5 -55,8	-16,6 -40,9	-47,9 -63,2	Interference on, OK 4
00:26:54.8437500	-36,6 -65,1	-16,5 -40,3	-46,4 -75,6	-63,8 -87,8	-70,1 -89,3	Interference off
00:27:03.9375000	-55,6 -56,2	-51,4 -56,3	-36,1 -55,7	-16,6 -40,6	-48,3 -63,2	Interference on, OK 5

Log file

Test case ANSI_7.3.2.1.2_least_interfered_channel.xml
 Date 24.08.2005 10:48:29
 Reference to the EUT G0M20508-9730 / RTX3080
 Comment: 7.3.2.1.2_c

Gateway RTX3080
 RTX America Inc.

The LOG table shows the level changes on each Channel of the transmission system

Time stamp	1921.536 MHZ	1923.264 MHZ	1924.992 MHZ	1926.720 MHZ	1928.448 MHZ	Comment
	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	
00:30:53.1875000	-67 -89,6	-55,4 -85,6	-36,9 -65,4	-82,3 -90,6	-81,4 -90,6	No interference
00:31:56.4375000	-55,6 -56,2	-55,5 -56,3	-51,2 -56,3	-37 -63,9	-16,6 -40,6	Interference on, OK 1
00:32:22.0625000	-69,6 -89,7	-55,1 -85,5	-36,7 -65,3	-16,5 -40,4	-46,9 -76,5	No interference
00:32:34.0312500	-55,6 -56,2	-55,6 -56,3	-55,6 -56,3	-37 -61,5	-16,6 -37,5	Interference on, OK 2
00:32:46	-36,9 -65,7	-16,5 -40,8	-46,9 -76	-62,7 -88	-67,7 -88,7	No interference
00:33:11.6718750	-55,6 -56,2	-55,6 -56,3	-50,7 -56,3	-36,9 -64	-16,7 -40,8	Interference on, OK 3
00:33:35.6562500	-36,6 -65,3	-16,7 -40,8	-46,1 -75,7	-64,3 -89	-67,1 -89	No interference
00:33:44.9687500	-55,6 -56,2	-55,6 -56,3	-55,6 -56,3	-37,2 -64,3	-16,5 -40,6	Interference on, OK 4
00:33:59.3125000	-69,5 -89,7	-55 -85,3	-36,7 -65,3	-16,6 -40,5	-47 -76,2	No interference
00:34:27.8437500	-55,6 -56,2	-55,6 -56,3	-55 -56,4	-37 -64,3	-16,6 -40,6	Interference on, OK 5

Log file

Test case ANSI_7.3.2.1.2_least_interfered_channel.xml
 Date 24.08.2005 10:58:58
 Reference to the EUT G0M20508-9730 / RTX3080
 Comment: 7.3.2.1.2_d
 Gateway RTX3080
 RTX America Inc.

The LOG table shows the level changes on each Channel of the transmission system

Time stamp	1921.536 MHz	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	
00:47:22.0781250	-56,1 -85,7	-36,4 -65,1	-16,8 -41,1	-46,8 -75,5	-61,9 -87,7	Interference off
00:47:30.1250000	-55,6 -56,2	-51,1 -56,3	-36,3 -55,7	-16,7 -40,4	-46,8 -69,3	Interference on, OK 1
00:48:14.1093750	-16,5 -40,5	-47,3 -76,7	-61,8 -85	-69,7 -89,5	-70,6 -90,1	Interference off
00:48:22.3281250	-55,6 -56,3	-50,6 -56,3	-36,8 -55,7	-16,7 -40,7	-46,4 -69,2	Interference on, OK 2
00:48:34.8750000	-55,5 -85,3	-36,5 -65,1	-16,5 -40,7	-47,5 -73,9	-62,6 -87,4	Interference off
00:48:44	-55,6 -56,2	-51,8 -56,3	-36,4 -55,8	-16,6 -40,7	-46,4 -69,2	Interference on, OK 3
00:49:00.8437500	-16,6 -40,7	-47,1 -76,5	-63,5 -85	-70,6 -89,5	-74,2 -90,2	Interference off
00:49:07.3750000	-55,6 -56,2	-55,3 -56,3	-36,4 -55,7	-16,7 -40,4	-46,9 -69,3	Interference on, OK 4
00:49:27.5468750	-16,6 -40,6	-46,8 -76	-61,4 -84,8	-69,1 -89,4	-71,8 -90	Interference off
00:49:36.9375000	-55,6 -56,2	-54,4 -56,3	-36,1 -55,7	-16,6 -40,8	-47,4 -69,5	Interference on, OK 5

Log file

Appendix L

Monitoring of intended transmit window and maximum reaction time

Test case ANSI_7.5_reaction_time_low_ch.xml
 Date 25.08.2005 14:55:55
 Reference to the EUT G0M20508-9730 / RTX3080
 Comment: 7.5_low_ch_35 / 50 / 75us

Gateway RTX3080
 RTX America Inc.

The LOG table shows the level changes on each Channel of the transmission system

Time stamp	1921.536 MHZ	1923.264 MHz	1924.992 MHZ	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	
	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	
00:15:13.7656250	-36,4 -63,1	-16,5 -40,5	-46,3 -56,4	-55,5 -56,5	-55,7 -56,5	35µs
00:15:22.3281250	-52,6 -67,1	-55,5 -56,3	-55,8 -56,5	-55,8 -56,6	-55,7 -56,5	No connection
00:15:55.9375000	-47,4 -64,3	-55,6 -56,2	-37,5 -56,1	-55,7 -56,6	-55,7 -56,6	50µs
00:16:24.5937500	-46,5 -64,2	-55,5 -56,3	-55,8 -56,5	-55,8 -56,5	-55,7 -56,6	No connection
00:16:55.9062500	-42,4 -56,8	-37,2 -55,8	-16,4 -40,8	-48,9 -56,5	-55,7 -56,6	75µs on the start of slot
00:17:03.4531250	-42,4 -56,8	-55,5 -56,3	-55,8 -56,5	-55,8 -56,6	-55,8 -56,6	No connection
00:17:48.1250000	-42,2 -56,3	-36 -55,8	-16,7 -40,3	-47,1 -56,5	-54,6 -56,5	75µs on the midd. of slot
00:18:18.7656250	-42,2 -56,2	-55,5 -56,3	-55,8 -56,5	-55,8 -56,5	-55,8 -56,6	No connection
00:18:52.8593750	-41,2 -56	-51,9 -56,2	-37,2 -55,9	-16,5 -40,6	-48,5 -56,6	75µs on the end of slot
00:19:20.6093750	-42,2 -56	-55,5 -56,2	-55,8 -56,6	-55,7 -56,5	-55,7 -56,6	No connection

Log file

Test case ANSI_7.5_reaction_time_mid_ch.xml
 Date 25.08.2005 15:05:49
 Reference to the EUT G0M20508-9730 / RTX3080
 Comment: 7.5_mid_ch_35 / 50 / 75us
 Gateway RTX3080
 RTX America Inc.

The LOG table shows the level changes on each Channel of the transmission system

Time stamp	1921.536 MHz	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	
00:28:45.6875000	-51 -56,4	-36,5 -55,9	-16,6 -40,8	-49,3 -56,5	-55 -56,5	35 μ s
00:29:12.0468750	-55,7 -56,4	-55,9 -56,7	-50,9 -67,2	-55,8 -56,6	-55,8 -56,6	No transmit
00:29:43	-55,8 -56,4	-52,1 -56,7	-36,8 -61,2	-16,7 -40,9	-48,7 -56,5	50 μ s
00:30:10.9375000	-55,8 -56,4	-56 -56,6	-46,8 -63,2	-55,8 -56,5	-55,7 -56,5	No transmit
00:30:42.7968750	-55,7 -56,4	-51,4 -56,7	-36,8 -55,6	-16,4 -40,3	-44,2 -56,5	75 μ s on the start of slot
00:31:10.2343750	-55,8 -56,4	-55,6 -56,7	-42,3 -56,1	-55,8 -56,5	-55,7 -56,6	No transmit
00:31:43.3593750	-55,8 -56,5	-52,1 -56,7	-36,9 -55,7	-16,5 -40,3	-48,8 -56,5	75 μ s on the midd. of slot
00:31:58.9687500	-55,8 -56,5	-55,9 -56,7	-41,9 -56,4	-55,8 -56,5	-55,7 -56,6	No transmit
00:32:27.9375000	-55,5 -56,4	-37 -56,2	-16,7 -40,7	-48,6 -56,5	-55,7 -56,6	75 μ s on the end of slot
00:32:52.6562500	-55,8 -56,4	-56 -56,6	-41,9 -56,4	-55,7 -56,5	-55,7 -56,5	No transmit

Log file

Test case ANSI_7.5_reaction_time_high_ch.xml
 Date 25.08.2005 14:40:50
 Reference to the EUT G0M20508-9730 / RTX3080
 Comment: 7.5_high_ch_50 / 35 / 75us
 Gateway RTX3080
 RTX America Inc.

The LOG table shows the level changes on each Channel of the transmission system

Time stamp	1921.536 MHZ	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	
00:00:18.7343750	-36,4 -65,2	-16,6 -40,9	-47,3 -76,7	-63,6 -88,5	-66,8 -89,1	No interference
00:00:46.4531250	-69,8 -88,2	-56,3 -84,7	-37,2 -63,1	-16,3 -36,7	-42,6 -70,3	50µs
00:01:26.5781250	-55,8 -56,4	-55,9 -56,7	-55,9 -56,7	-55,8 -56,5	-51,2 -66,7	No transmit
00:02:33.2187500	-52,7 -56,4	-36,4 -56,2	-16,4 -40,8	-48,7 -56,5	-46 -63,5	35µs
00:02:50.1875000	-55,8 -56,5	-56 -56,7	-55,8 -56,6	-55,8 -56,5	-46 -63,5	No transmit
00:03:39.5937500	-36,8 -55,9	-16,7 -40,7	-48 -56,5	-54 -56,7	-41 -56,1	75µs on the start of slot
00:04:09.4218750	-55,8 -56,4	-56 -56,8	-55,8 -56,6	-55,8 -56,5	-40,9 -56	No transmit
00:05:05.6250000	-52 -56,5	-36,9 -56,2	-16,7 -40,6	-47,4 -56,5	-41 -56,1	75µs on the midd. of slot
00:05:34.2500000	-55,7 -56,5	-56 -56,7	-55,8 -56,6	-55,8 -56,6	-41 -56,1	No transmit
00:06:29.8281250	-53,7 -56,4	-36 -56,1	-16,7 -40,5	-47,7 -56,5	-42 -55,7	75µs on the end of slot
00:06:53.5468750	-55,8 -56,5	-56 -56,7	-55,9 -56,7	-55,8 -56,6	-42 -55,6	No transmit

Log file



Appendix M

Monitoring band width

Test case ANSI_7.4.1_monitoring_bandwidth.xml
 Date 25.08.2005 13:42:23
 Reference to the EUT G0M20508-9730 / RTX3080
 Comment: 7.4.1 simple compliance test_low_-30%
 Gateway RTX3080
 RTX America Inc.

The LOG table shows the level changes on each Channel of the transmission system

Time stamp	1921.536 MHZ	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	
	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	
00:07:55.3906250	-16,7 -40,8	-47,5 -76,5	-61,6 -85,1	-71,7 -89,7	-73,5 -90,3	Interferer off
00:07:57.4218750	-16,8 -40,7	-46,4 -75,9	-61,2 -85	-68,6 -89,4	-73 -90	Dummy bearer on channel 4
00:07:59.9062500	-16,8 -40,6	-81,2 -91,1	-81,3 -90,7	-69,4 -89,9	-73,7 -90,1	
00:08:01.5000000	-16,6 -40,4	-46,3 -76,5	-55,4 -56,5	-55,8 -56,5	-55,7 -56,5	Interferer on
00:08:09.4843750	-78,4 -90,5	-55,5 -56,2	-55,7 -56,5	-55,8 -56,5	-55,7 -56,6	No transmissio n after 8 seconds

Log file

Test case ANSI_7.4.1_monitoring_bandwidth.xml
 Date 25.08.2005 13:49:56
 Reference to the EUT G0M20508-9730 / RTX3080
 Comment: 7.4.1 simple compliance test_low_+30%
 Gateway RTX3080
 RTX America Inc.

The LOG table shows the level changes on each Channel of the transmission system

Time stamp	1921.536 MHz	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	
	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	
00:15:43.1093750	-16,7 -40,5	-46,5 -76,6	-61,6 -84,6	-69,7 -89,7	-71,8 -89,9	No interference
00:15:43.4062500	-16,7 -40,8	-47 -75,3	-62,2 -85	-72,4 -90,2	-73,5 -90,1	Dummy bearer on channel 4
00:15:51.5625000	-16,6 -40,4	-48,9 -56,2	-54,6 -56,5	-55,7 -56,5	-55,6 -56,5	Interference on
00:16:04.0937500	-80,9 -90,4	-55,6 -56,2	-55,7 -56,5	-55,7 -56,5	-55,7 -56,6	No transmissio n after 21 s

Log file

Test case ANSI_7.4.1_monitoring_bandwidth.xml
 Date 25.08.2005 13:55:46
 Reference to the EUT G0M20508-9730 / RTX3080
 Comment: 7.4.1 simple compliance test_mid_-30%
 Gateway RTX3080
 RTX America Inc.

The LOG table shows the level changes on each Channel of the transmission system

Time stamp	1921.536 MHZ	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	
	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	
00:21:38.7812500	-56,1 -85,8	-36,4 -64,8	-16,7 -41	-47 -74,9	-63,3 -88,5	No interference
00:21:40.8906250	-56,1 -85,5	-36,7 -65	-16,6 -40,3	-46,6 -75,2	-55,5 -56,6	Dummy bearer on channel 2
00:21:43.7343750	-55,4 -56,4	-36 -56	-16,8 -41	-47,4 -56,5	-54,8 -56,5	Interference on
00:21:51.8906250	-53,8 -56,4	-37,1 -56,2	-81 -91	-55,7 -56,6	-55,8 -56,5	No transmission after 8 sec.

Log file

ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH
 Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Test case ANSI_7.4.1_monitoring_bandwidth.xml
 Date 25.08.2005 14:00:40
 Reference to the EUT G0M20508-9730 / RTX3080
 Comment: 7.4.1 simple compliance test _ mid _+30%
 Gateway RTX3080
 RTX America Inc.

The LOG table shows the level changes on each Channel of the transmission system

Time stamp	1921.536 MHZ	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	
	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	
00:26:32.3437500	-56,1 -85,9	-36,2 -64,7	-16,7 -40,6	-47,7 -75,5	-62,4 -88,1	No interference
00:26:33.4843750	-56,7 -85,9	-36,5 -65	-16,7 -40,7	-81 -90,7	-81,8 -91	Dummy bearer on channel 2
00:26:45.6406250	-55,1 -57,8	-36,5 -64,7	-16,8 -40,7	-46,3 -56,5	-55,2 -56,5	Interference on
00:26:53.5000000	-55,9 -57,8	-56 -56,7	-81,4 -90,7	-55,8 -56,6	-55,7 -56,5	No transmissio n after 8 sec.

Log file

Test case ANSI_7.4.1_monitoring_bandwidth.xml
 Date 25.08.2005 14:17:20
 Reference to the EUT G0M20508-9730 / RTX3080
 Comment: 7.4.1 simple compliance test_high_-30%
 Gateway RTX3080
 RTX America Inc.

The LOG table shows the level changes on each Channel of the transmission system

Time stamp	1921.536 MHz	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	
	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	
00:42:54.4531250	-55,8 -56,4	-56 -56,7	-51,1 -56,5	-36,6 -56,1	-16,7 -40,4	Dummy bearer on channel 0
00:43:10.3125000	-55,8 -56,4	-55,7 -56,7	-52,8 -56,5	-37,1 -56,1	-16,4 -41,1	Interference on
00:43:32.5000000	-55,8 -56,4	-56 -56,7	-55,8 -56,6	-55,8 -56,5	-80,6 -90,8	No transmit after 22 sec.

Log file

Test case ANSI_7.4.1_monitoring_bandwidth.xml
 Date 25.08.2005 14:17:20
 Reference to the EUT G0M20508-9730 / RTX3080
 Comment: 7.4.1 simple compliance test_high_+30%
 Gateway RTX3080
 RTX America Inc.

The LOG table shows the level changes on each Channel of the transmission system

Time stamp	1921.536 MHz	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	
	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	
00:42:54.4531250	-55,8 -56,4	-56 -56,7	-51,1 -56,5	-36,6 -56,1	-16,7 -40,4	Dummy bearer on channel 0
00:43:10.3125000	-55,8 -56,4	-55,7 -56,7	-52,8 -56,5	-37,1 -56,1	-16,4 -41,1	Interference on
00:43:32.5000000	-55,8 -56,4	-56 -56,7	-55,8 -56,6	-55,8 -56,5	-80,6 -90,8	No transmit after 22 sec.

Log file

Appendix N

Random waiting interval

Appendix O

Duration of Transmission