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:

GN NETCOM A/S

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 13TH day of December 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 #: GNNT121305

Appendix C

Reference to Subpart B

Appendix D

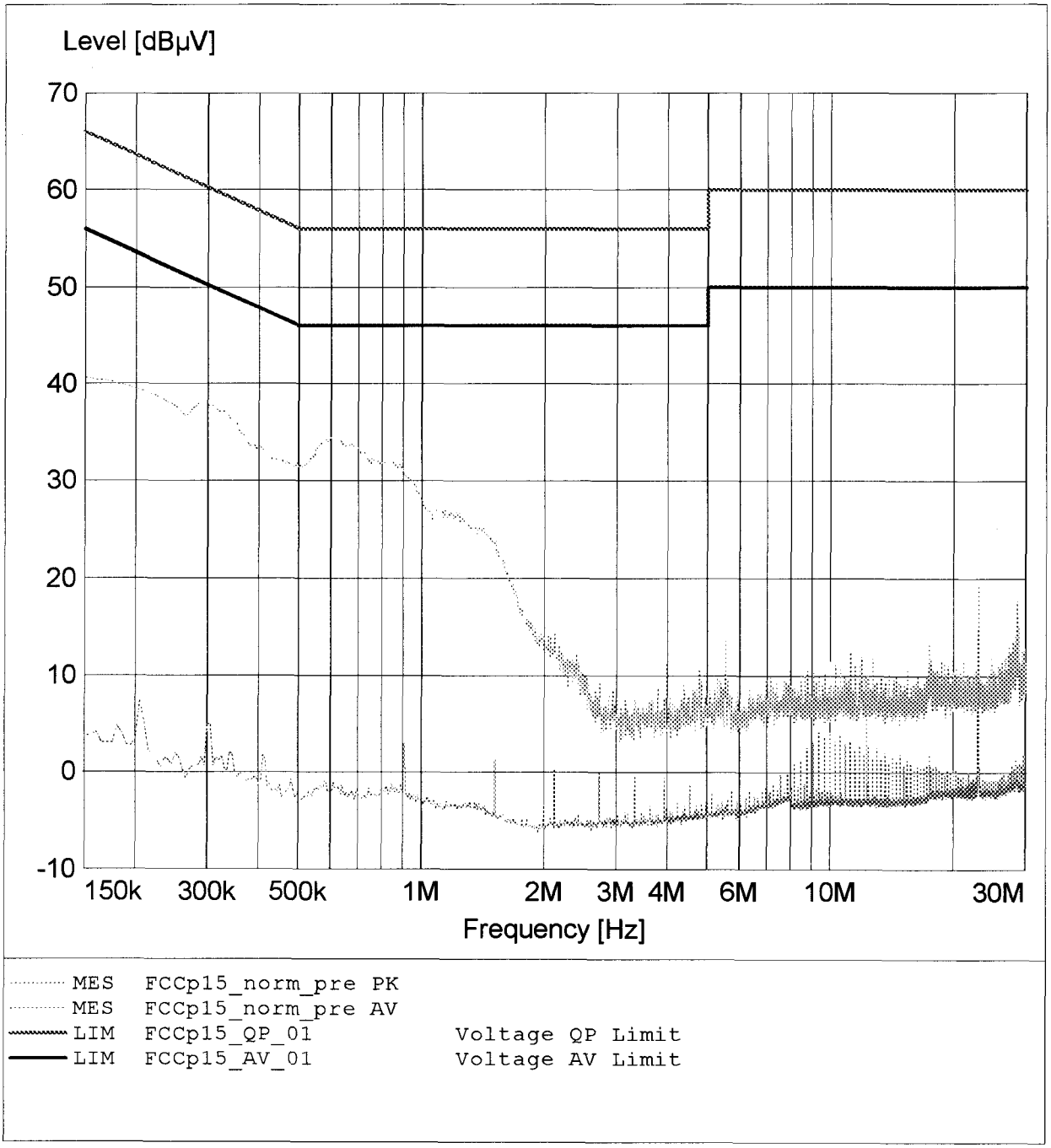
Labeling requirements

Appendix E1

Conducted limits AC Power line – Base A

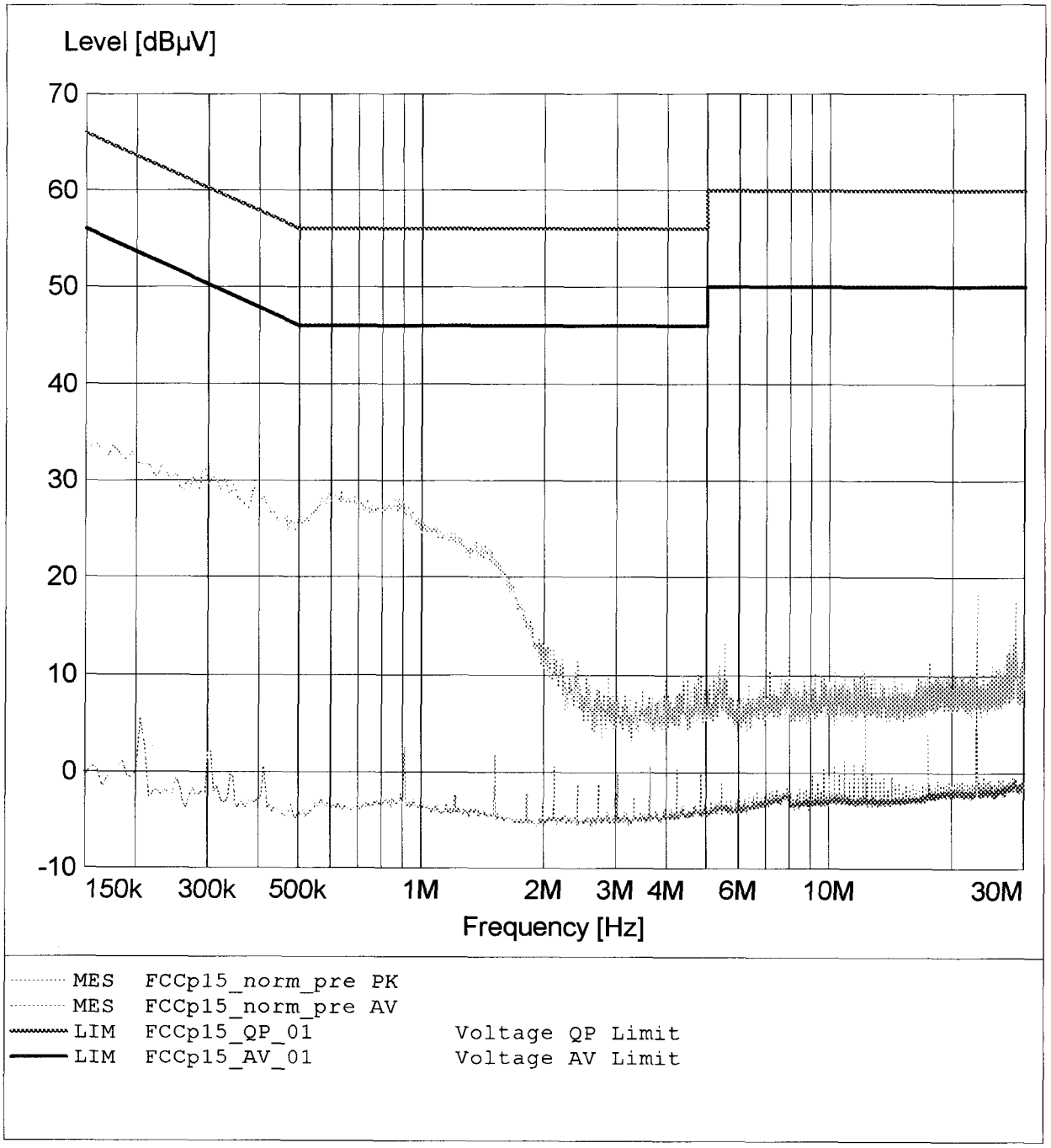
EMI voltage test in the ac-mains according to FCC part 15

EUT:	GN9300 UPCS
Manufacturer:	GN NETCOM A/S
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: GN9300 mode: charging
	BASE:A



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

EUT:	GN9300 UPCS
Manufacturer:	GN NETCOM A/S
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: GN9300 mode: charging
	BASE: A

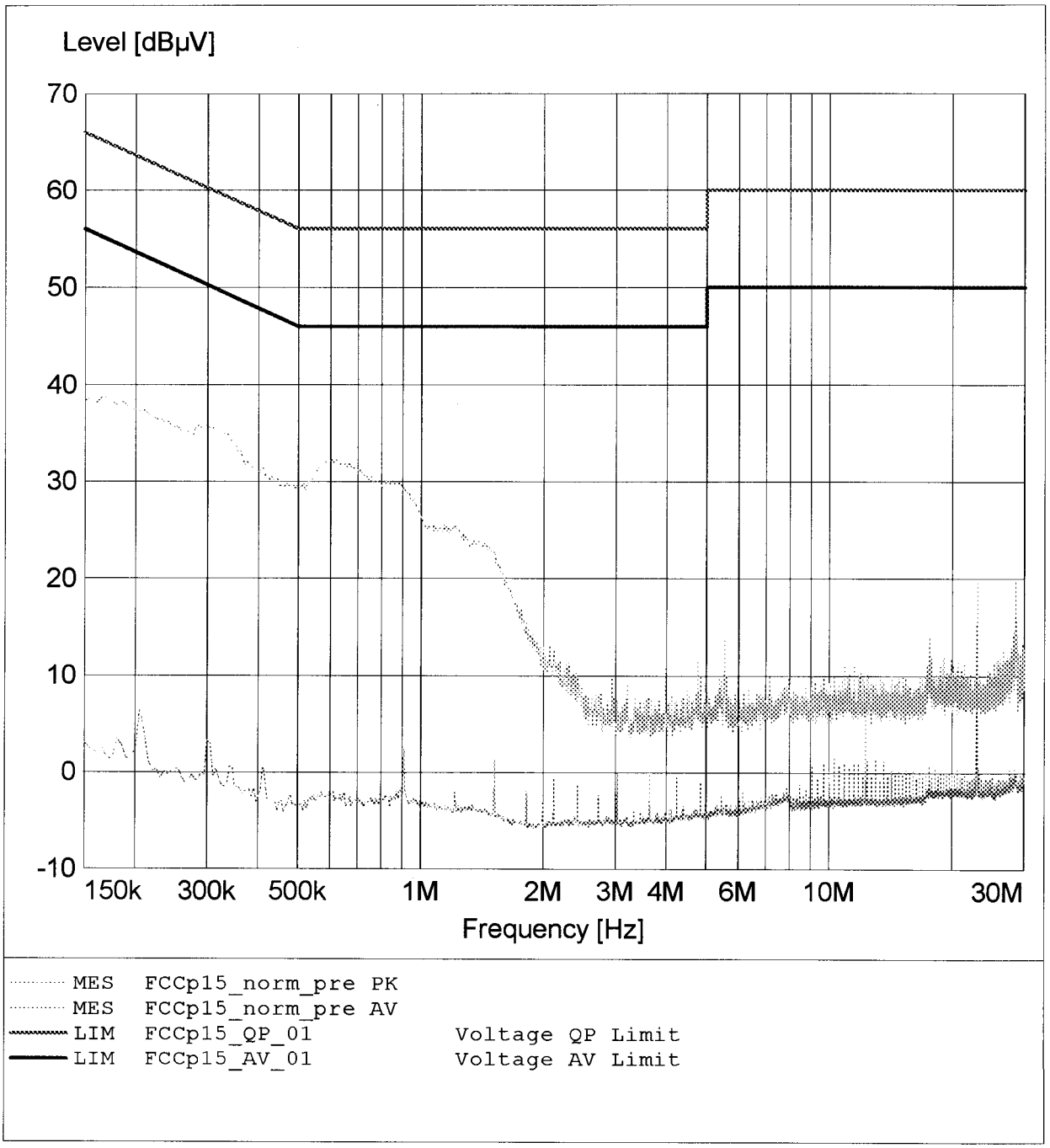


Appendix E2

Conducted limits AC Power line – Base CT

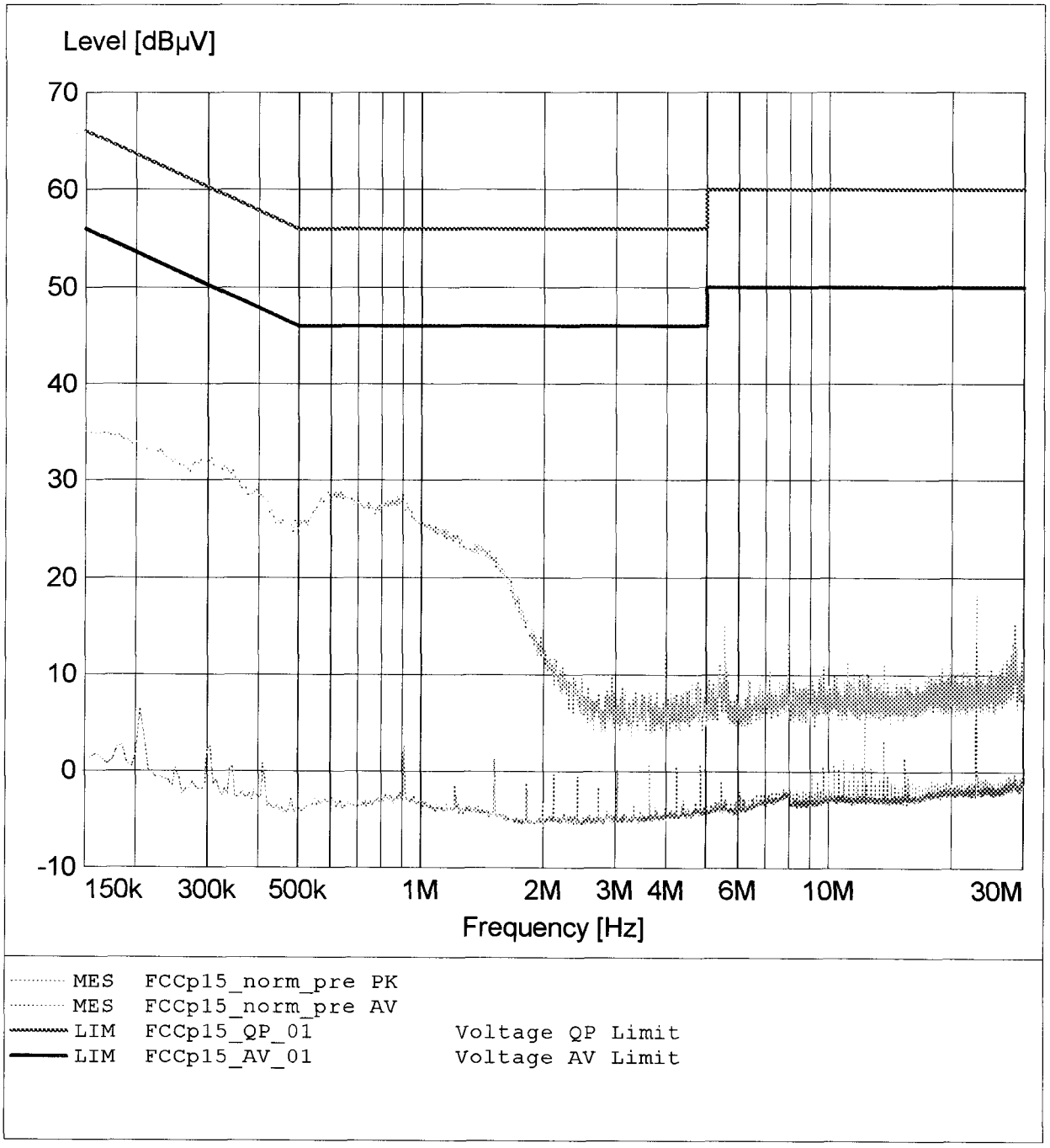
EMI voltage test in the ac-mains according to FCC part 15

EUT:	GN9300 UPCS
Manufacturer:	GN NETCOM A/S
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: GN9300 mode: charging
	BASE: CT



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

EUT:	GN9300 UPCS
Manufacturer:	GN NETCOM A/S
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: GN9300 mode: charging
	BASE: CT

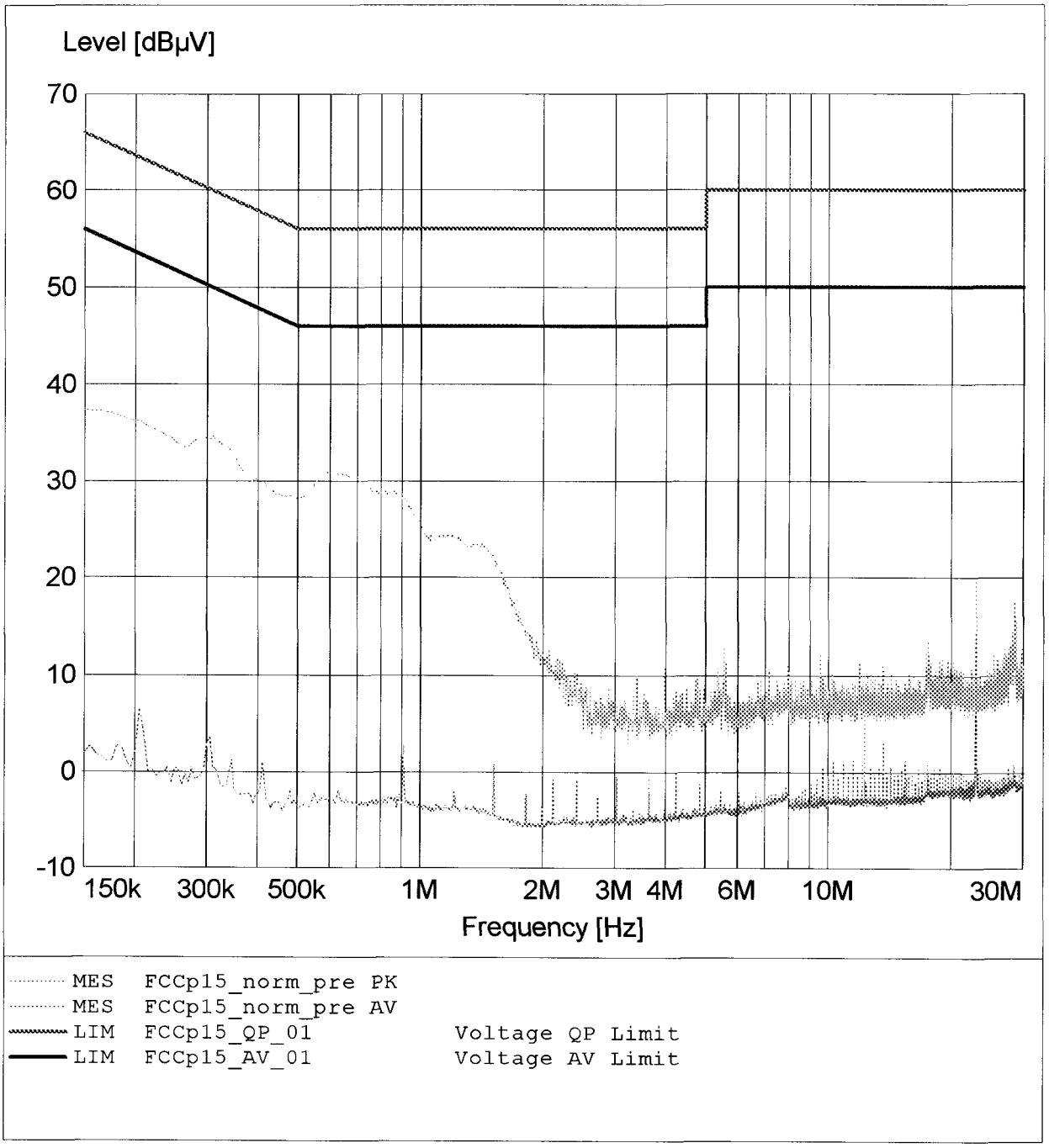


Appendix E3

Conducted limits AC Power line – Base CU

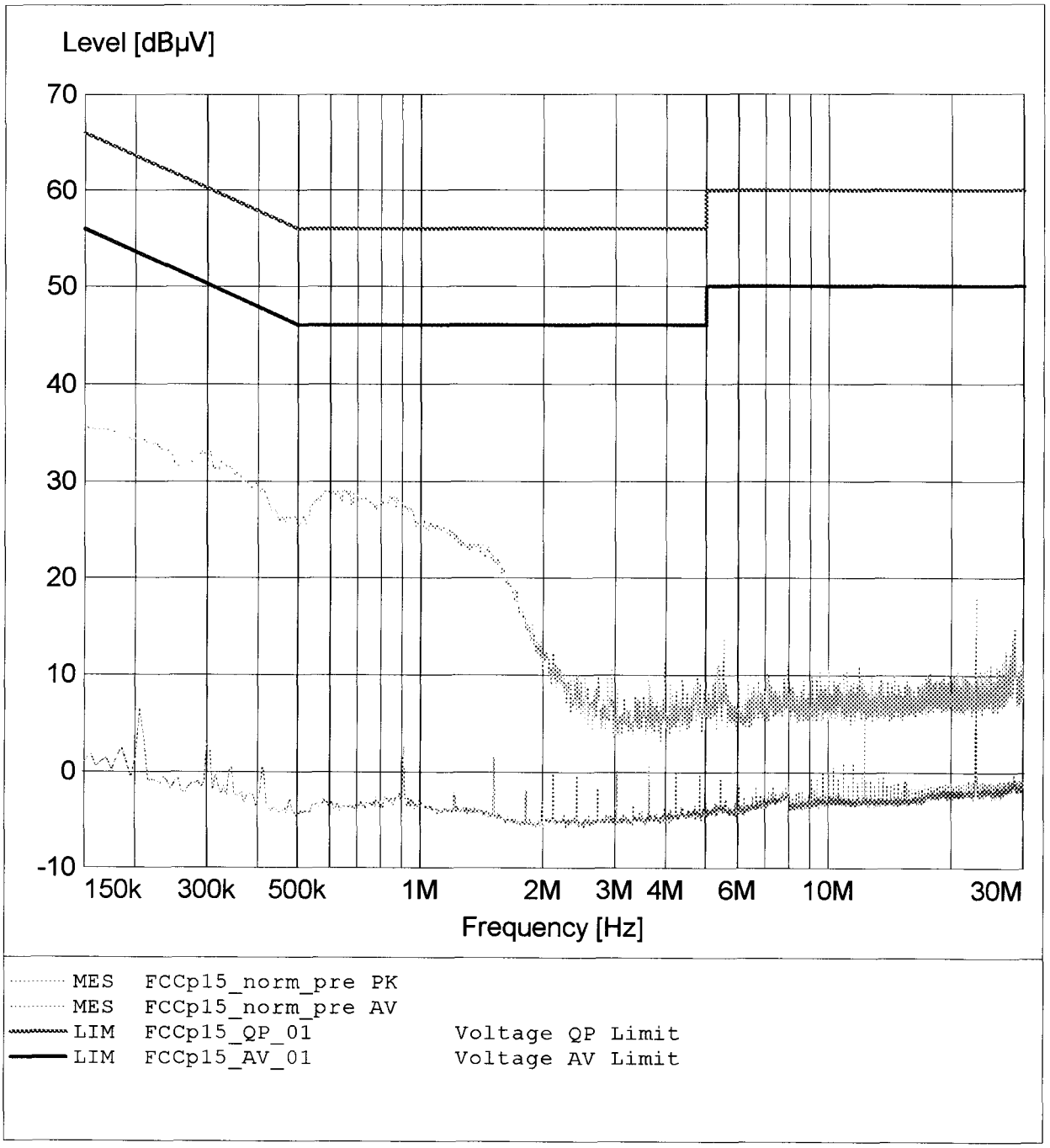
EMI voltage test in the ac-mains according to FCC part 15

EUT:	GN9300 UPCS
Manufacturer:	GN NETCOM A/S
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: GN9300 mode: charging
	BASE: CU



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

EUT:	GN9300 UPCS
Manufacturer:	GN NETCOM A/S
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: GN9300 mode: charging
	BASE: CU



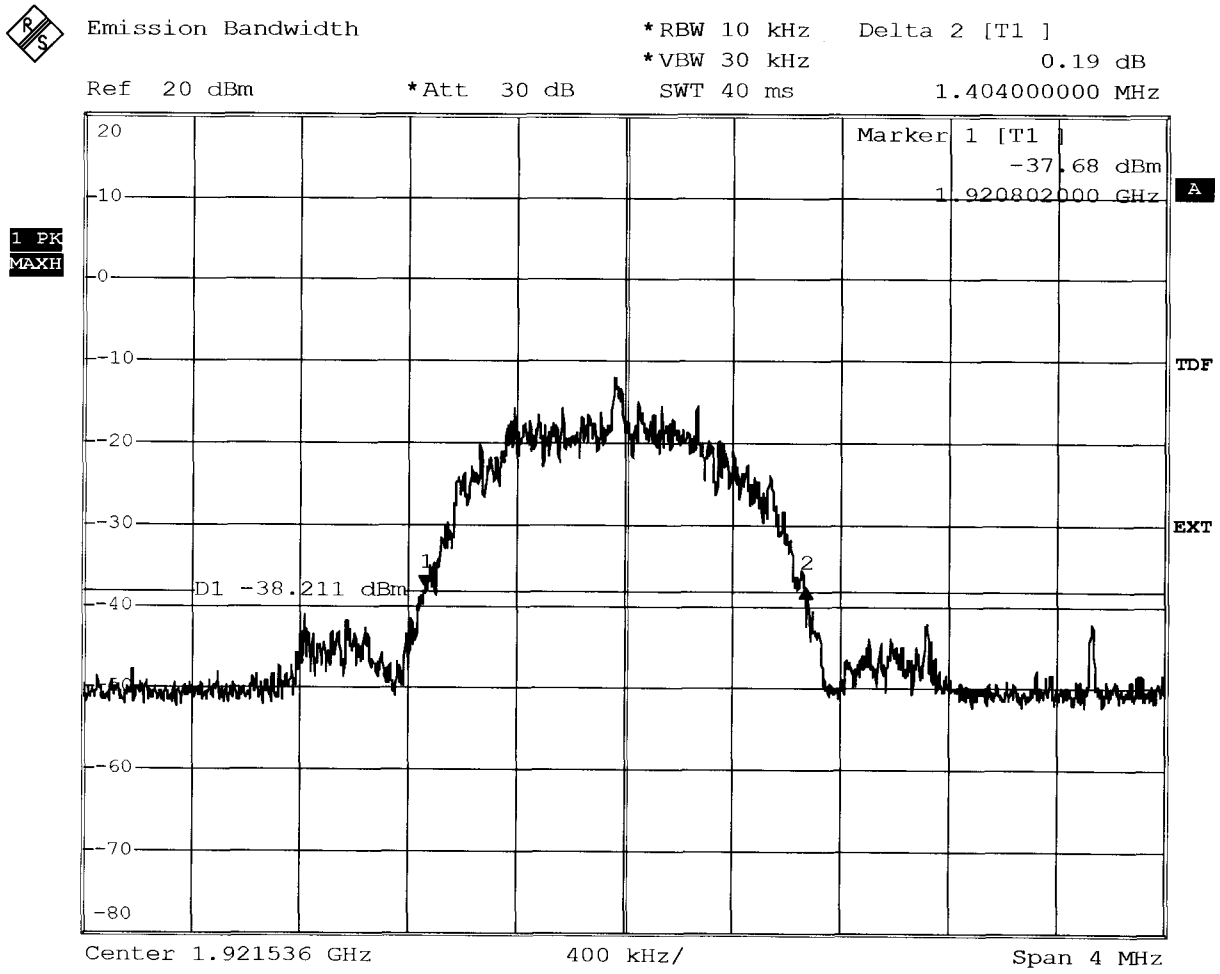
Appendix F

Emission band width

FCC Part 15.303(b) Emission bandwidth

Testprocedure ANSI 63.17-1998 6.1.3
UPCS

EUT	GN9300 UPCS (Base) (single slot)
Model	GN9300
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.3 Emission bandwidth
Measured Bandwidth	Emission Bandwidth = 1.4MHz
Max. Permitted BW	Limit = 2.5 MHz
Test result	Verdict = PASS



Comment: Ansi C63.17-1998 6.1.3
Date: 25.SEP.2005 07:41:44

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 : 1921.102MHz
Higher frequency : 1921.808MHz

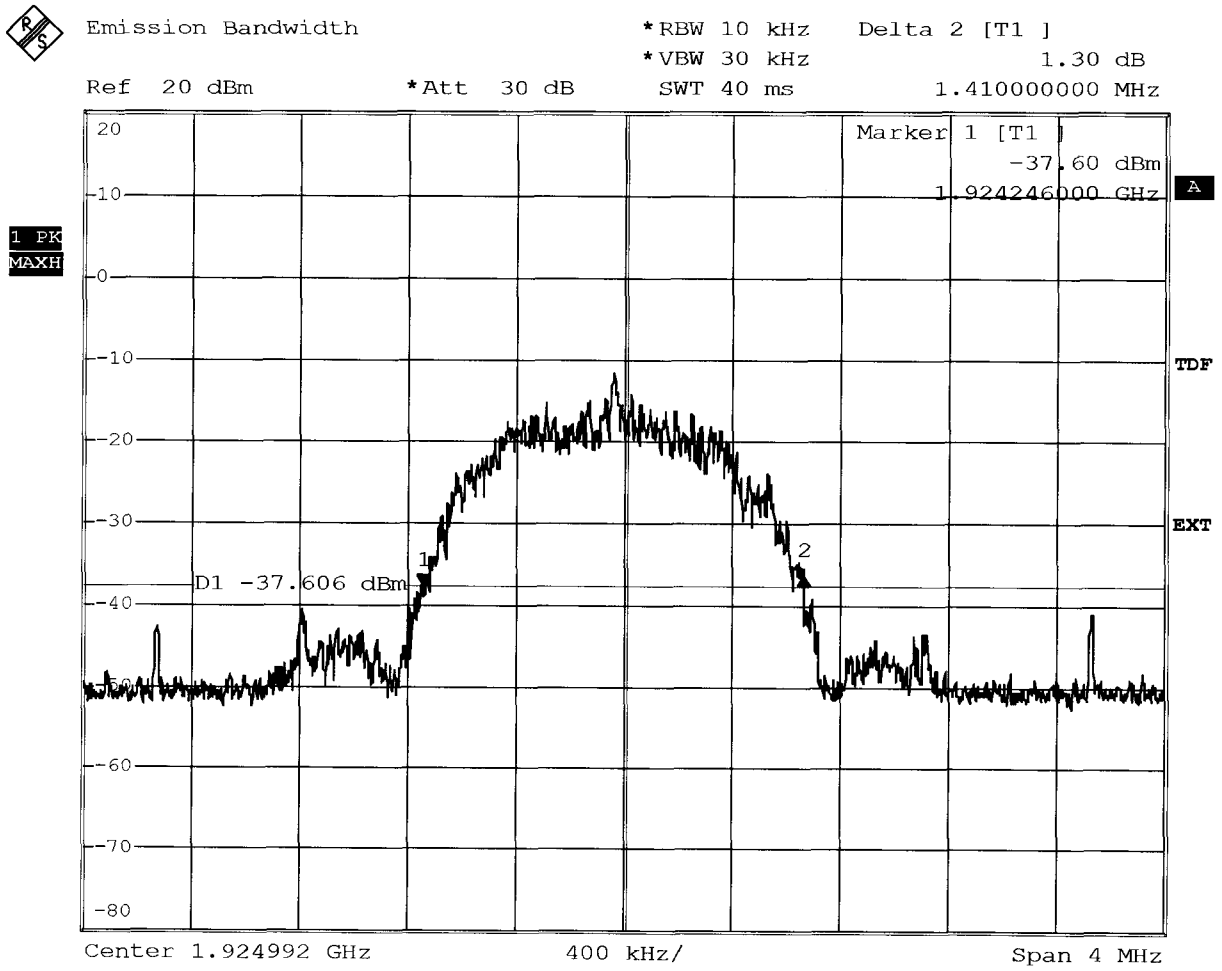
-12 dB points

Lower frequency : 1920.942MHz
Higher frequency : 1922.076MHz

FCC Part 15.303(b) Emission bandwidth

Testprocedure ANSI 63.17-1998 6.1.3
UPCS

EUT	GN9300 UPCS (Base) (single slot)
Model	GN9300
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.3 Emission bandwidth
Measured Bandwidth	Emission Bandwidth = 1.41MHz
Max. Permitted BW	Limit = 2.5 MHz
Test result	Verdict = PASS



Comment: Ansi C63.17-1998 6.1.3
Date: 25.SEP.2005 07:39:53

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 : 1924.562MHz
Higher frequency : 1925.246MHz

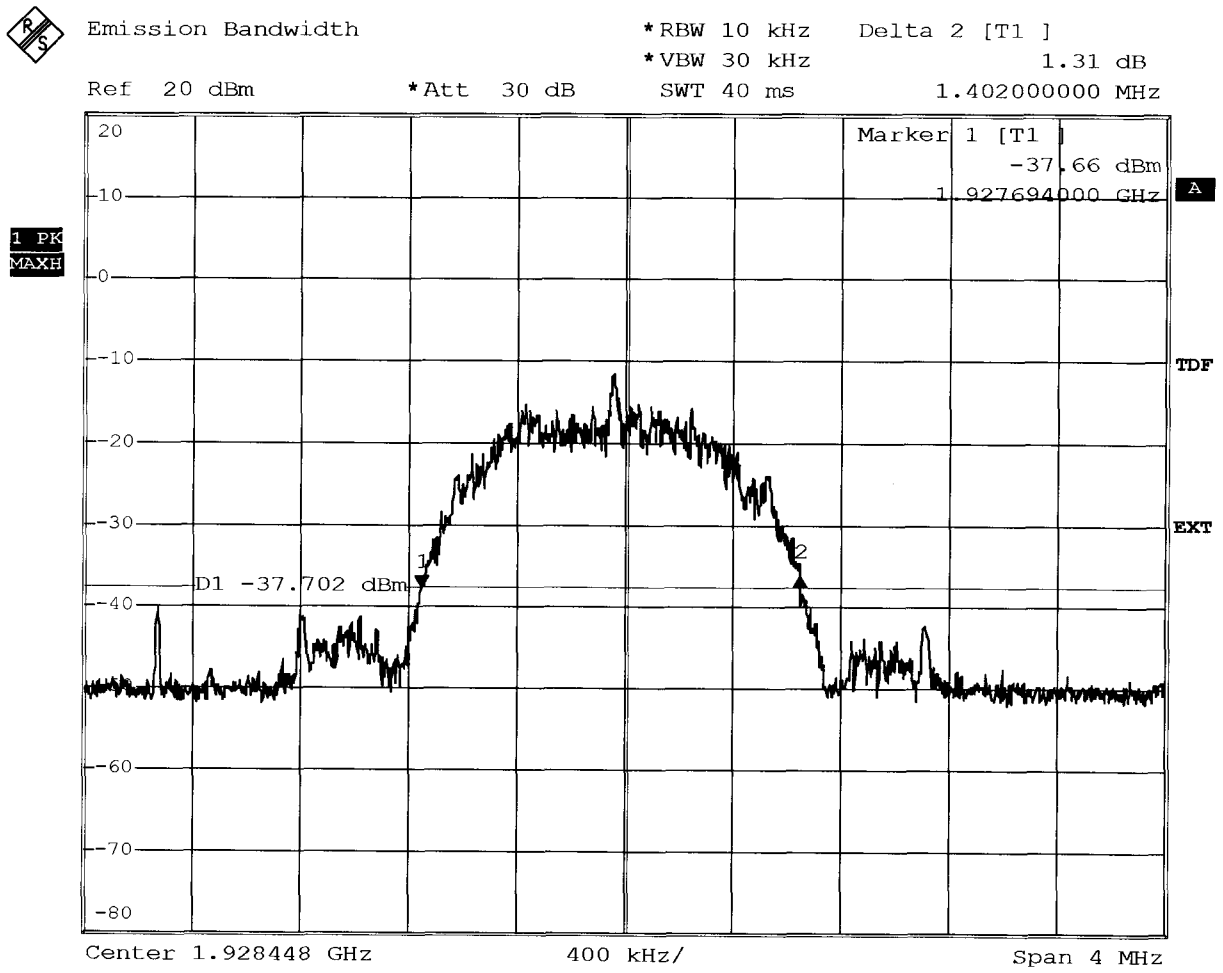
-12 dB points

Lower frequency : 1924.424MHz
Higher frequency : 1925.394MHz

FCC Part 15.303(b) Emission bandwidth

Testprocedure ANSI 63.17-1998 6.1.3
UPCS

EUT	GN9300 UPCS (Base) (single slot)
Model	GN9300
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.3 Emission bandwidth
Measured Bandwidth	Emission Bandwidth = 1.4MHz
Max. Permitted BW	Limit = 2.5 MHz
Test result	Verdict = PASS



Comment: Ansi C63.17-1998 6.1.3
Date: 25.SEP.2005 07:36:57

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 : 1928.02MHz
Higher frequency : 1928.696MHz

-12 dB points

Lower frequency : 1927.878MHz
Higher frequency : 1928.874MHz

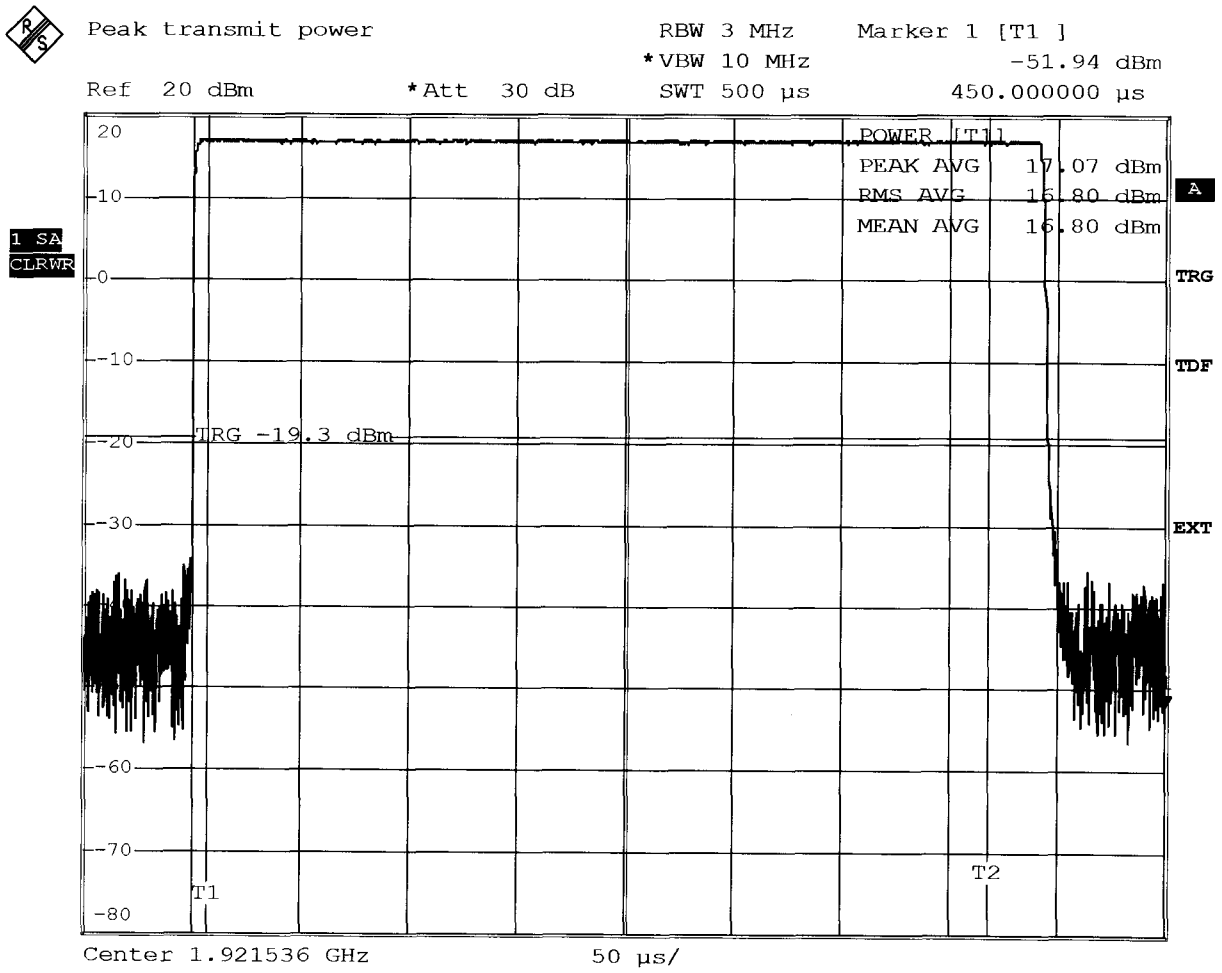
Appendix G

Peak Transmit Power

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
UPCS

EUT	GN9300 UPCS (Base) (single slot)
Model	GN9300
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vnorm
Measured Bandwidth	1.41MHz
Max. Permitted Power	20,74 dBm
Measured Power	17,06 dBm
Test result	Verdict = PASS



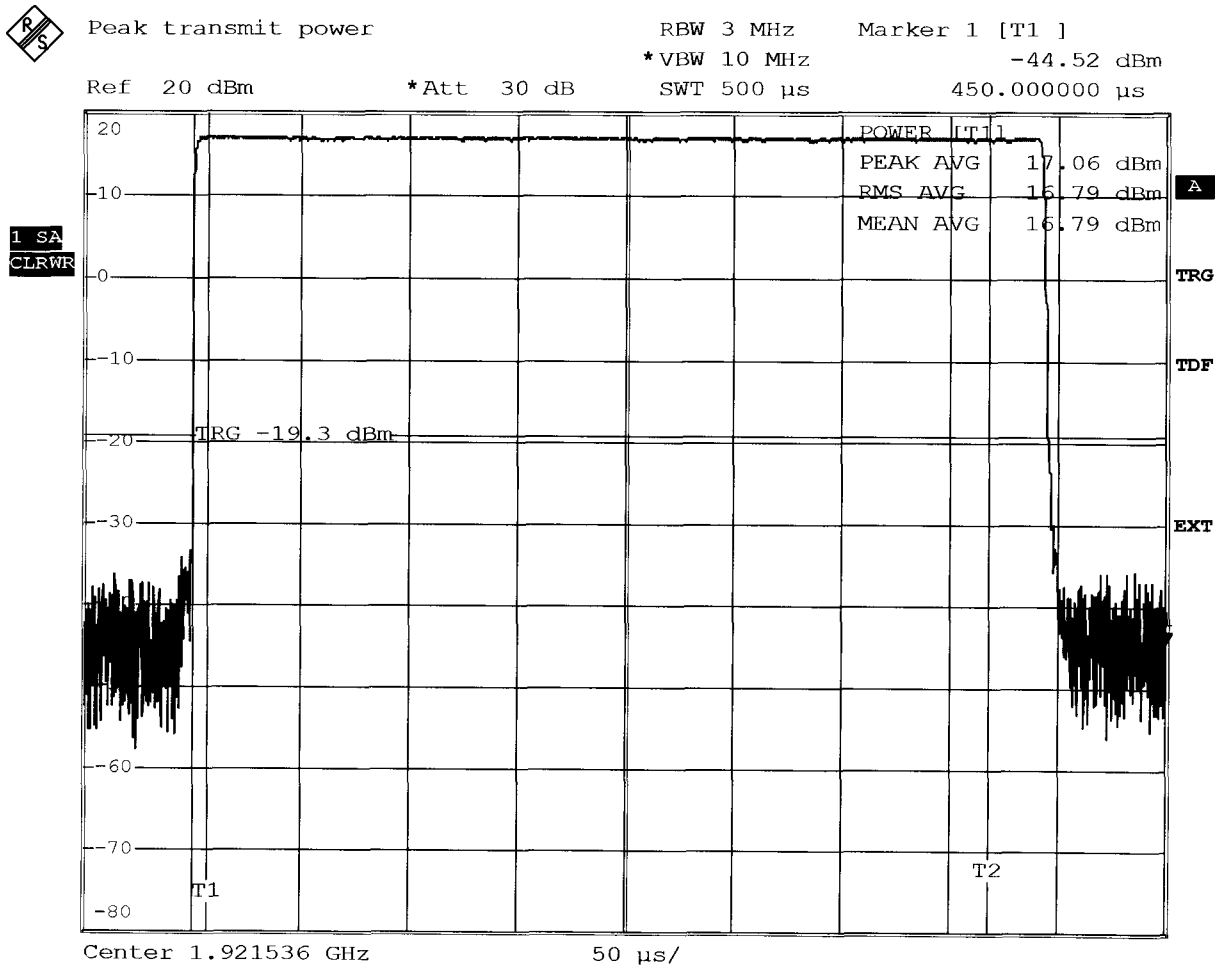
Comment: Ansi C63.17-1998 6.1.2
Date: 25.SEP.2005 09:01:50

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
UPCS

EUT	GN9300 UPCS (Base) (single slot)
Model	GN9300
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vmax
Measured Bandwidth	1.41MHz
Max. Permitted Power	20,74 dBm
Measured Power	17,03 dBm
Test result	Verdict = PASS



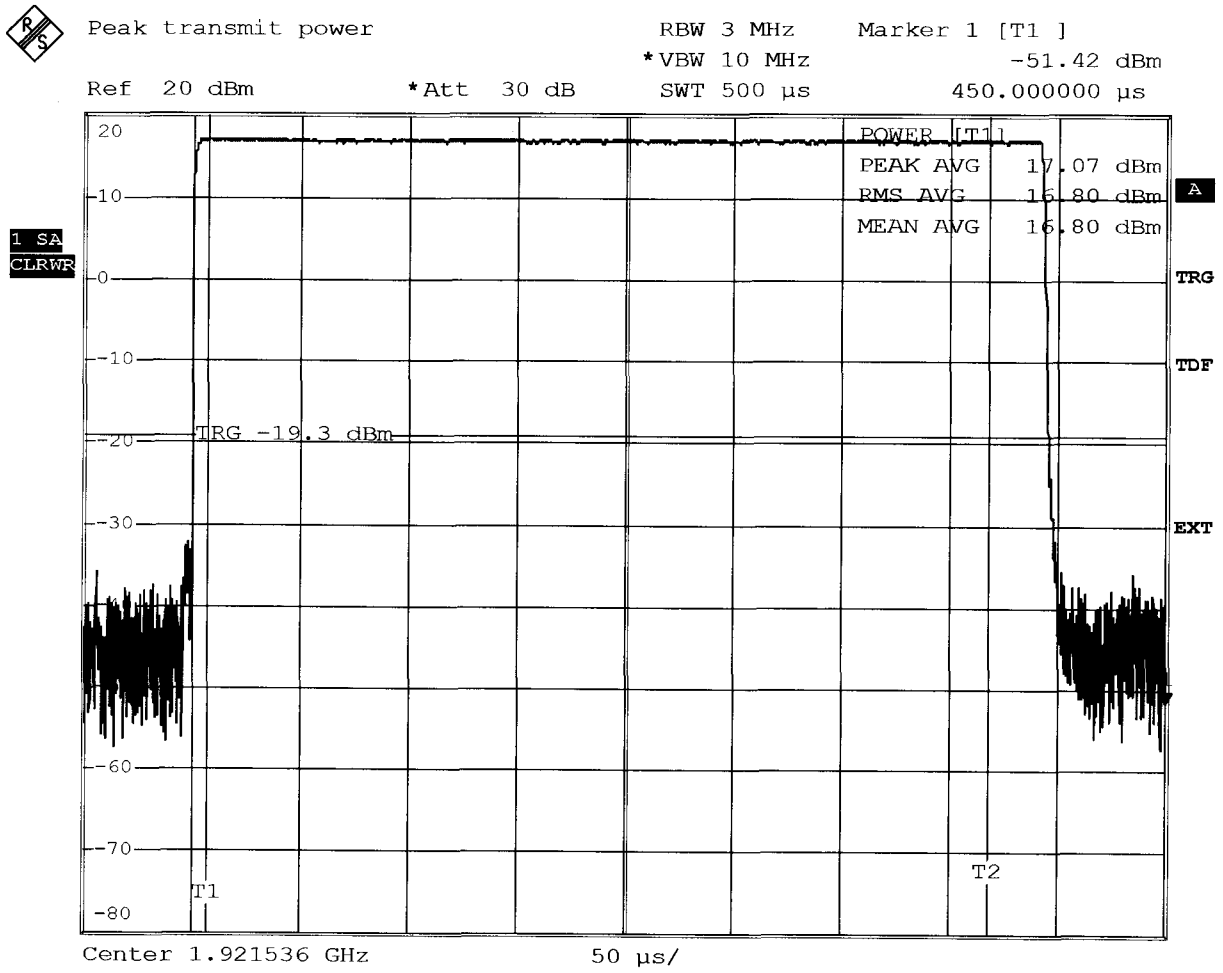
Comment: Ansi C63.17-1998 6.1.2
Date: 25.SEP.2005 09:02:23

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
UPCS

EUT	GN9300 UPCS (Base) (single slot)
Model	GN9300
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vmin
Measured Bandwidth	1.41MHz
Max. Permitted Power	20,74 dBm
Measured Power	17,06 dBm
Test result	Verdict = PASS



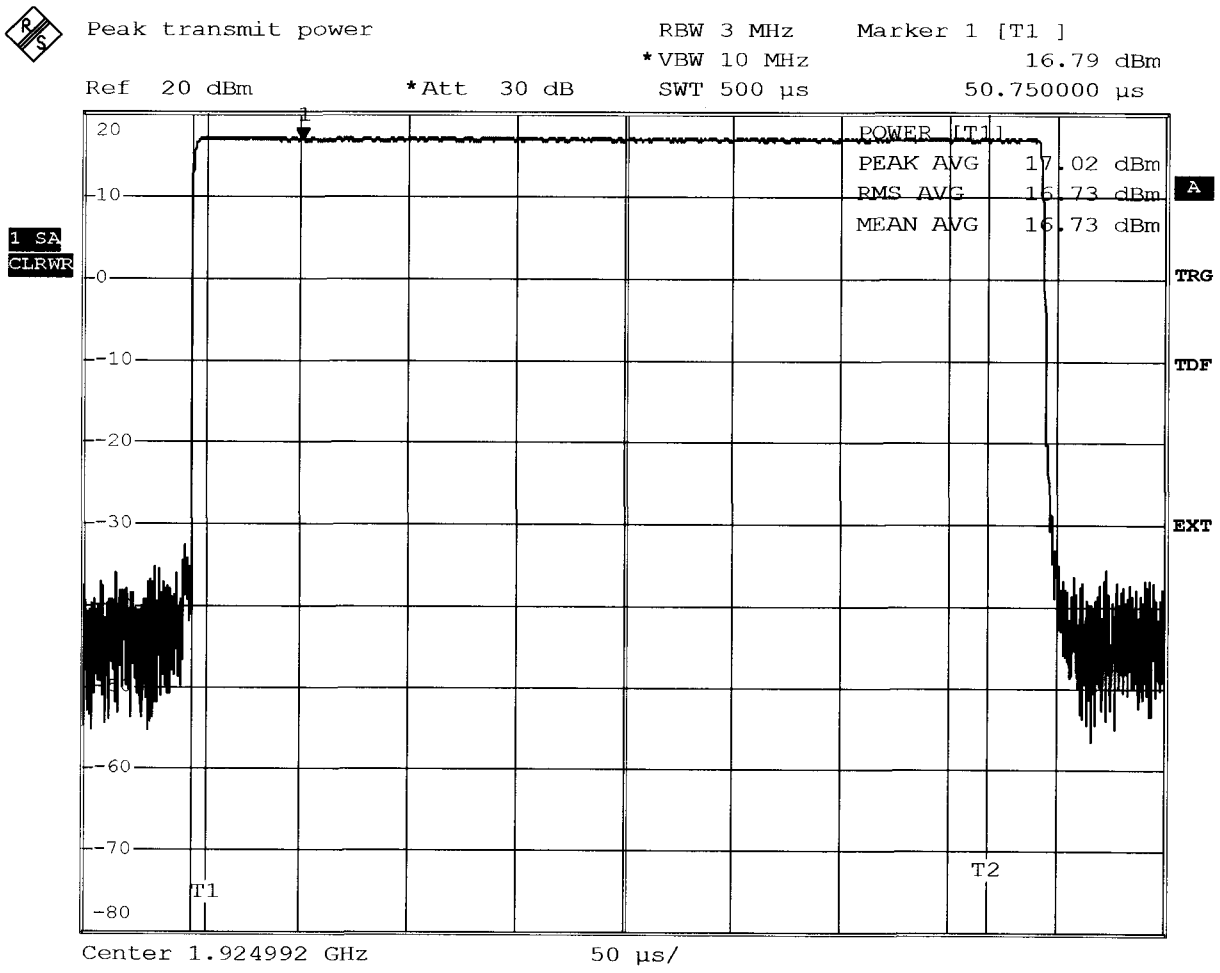
Comment: Ansi C63.17-1998 6.1.2
Date: 25.SEP.2005 09:01:12

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
UPCS

EUT	GN9300 UPCS (Base) (single slot)
Model	GN9300
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vnorm
Measured Bandwidth	1.41MHz
Max. Permitted Power	20,74 dBm
Measured Power	17,03 dBm
Test result	Verdict = PASS



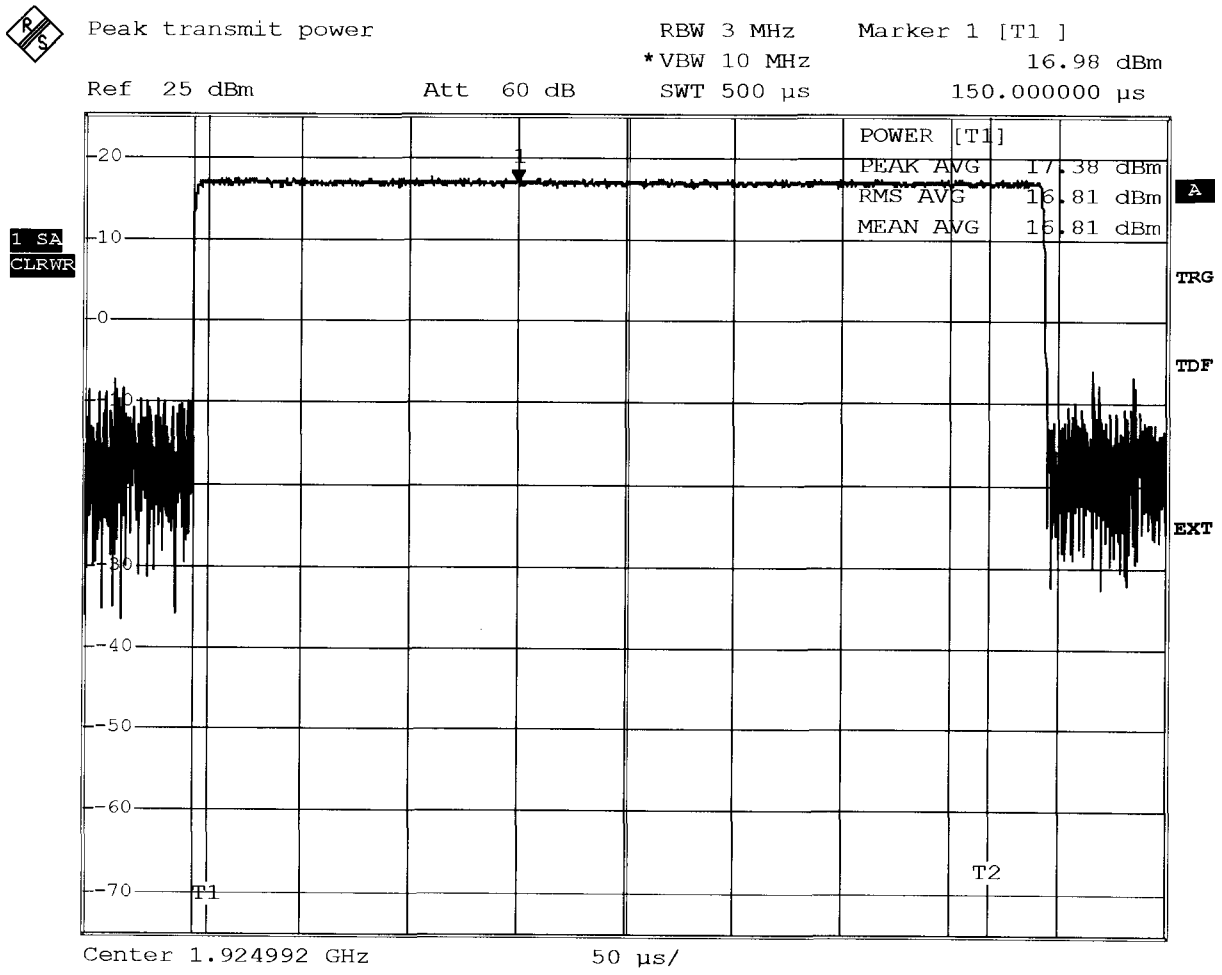
Comment: Ansi C63.17-1998 6.1.2
Date: 25.SEP.2005 09:10:03

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
UPCS

EUT	GN9300 UPCS (Base) (single slot)
Model	GN9300
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vmax
Measured Bandwidth	1.41MHz
Max. Permitted Power	20,74 dBm
Measured Power	17,37 dBm
Test result	Verdict = PASS



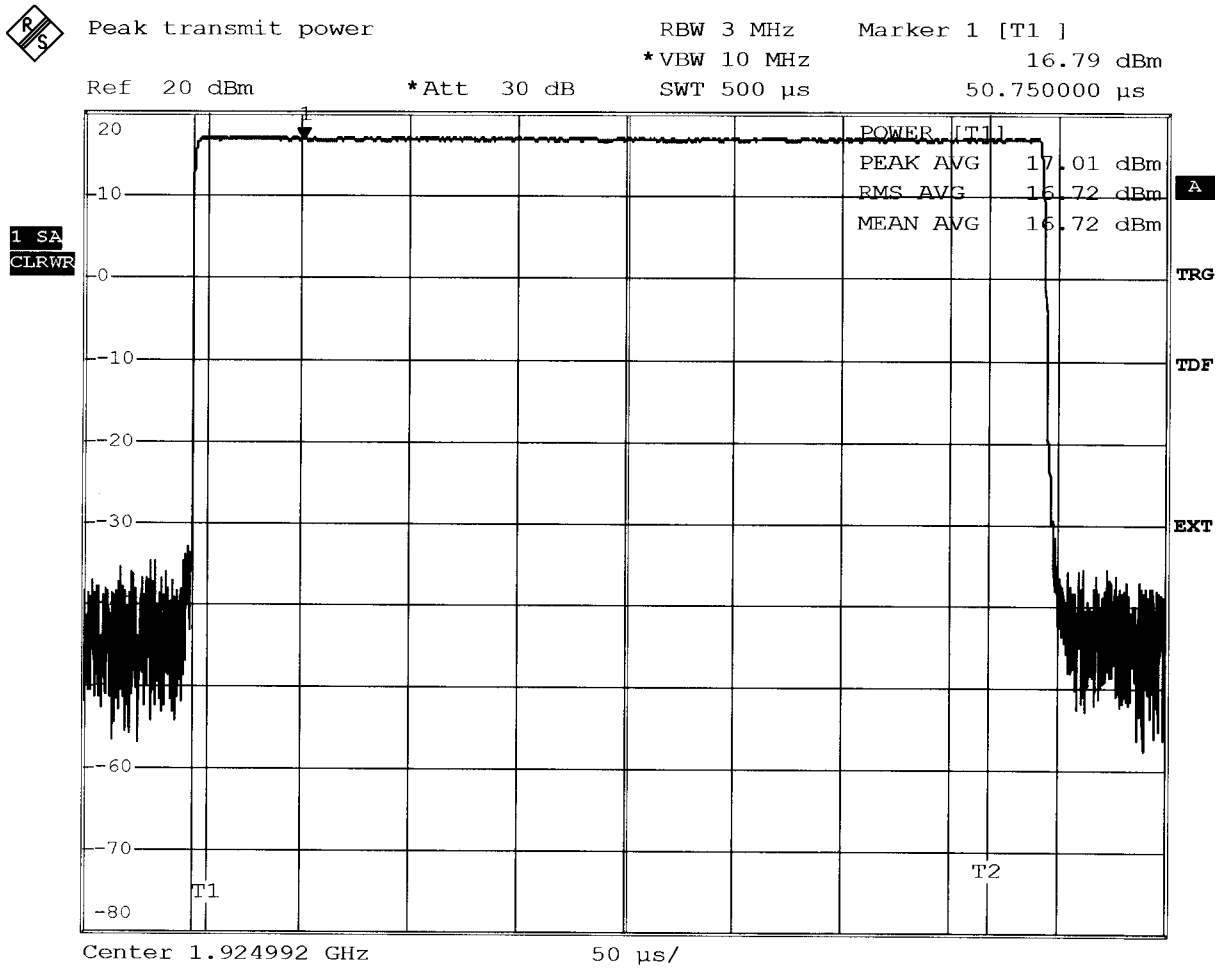
Comment: Ansi C63.17-1998 6.1.2
Date: 25.SEP.2005 09:07:52

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
UPCS

EUT	GN9300 UPCS (Base) (single slot)
Model	GN9300
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vmin
Measured Bandwidth	1.41MHz
Max. Permitted Power	20,74 dBm
Measured Power	17 dBm
Test result	Verdict = PASS



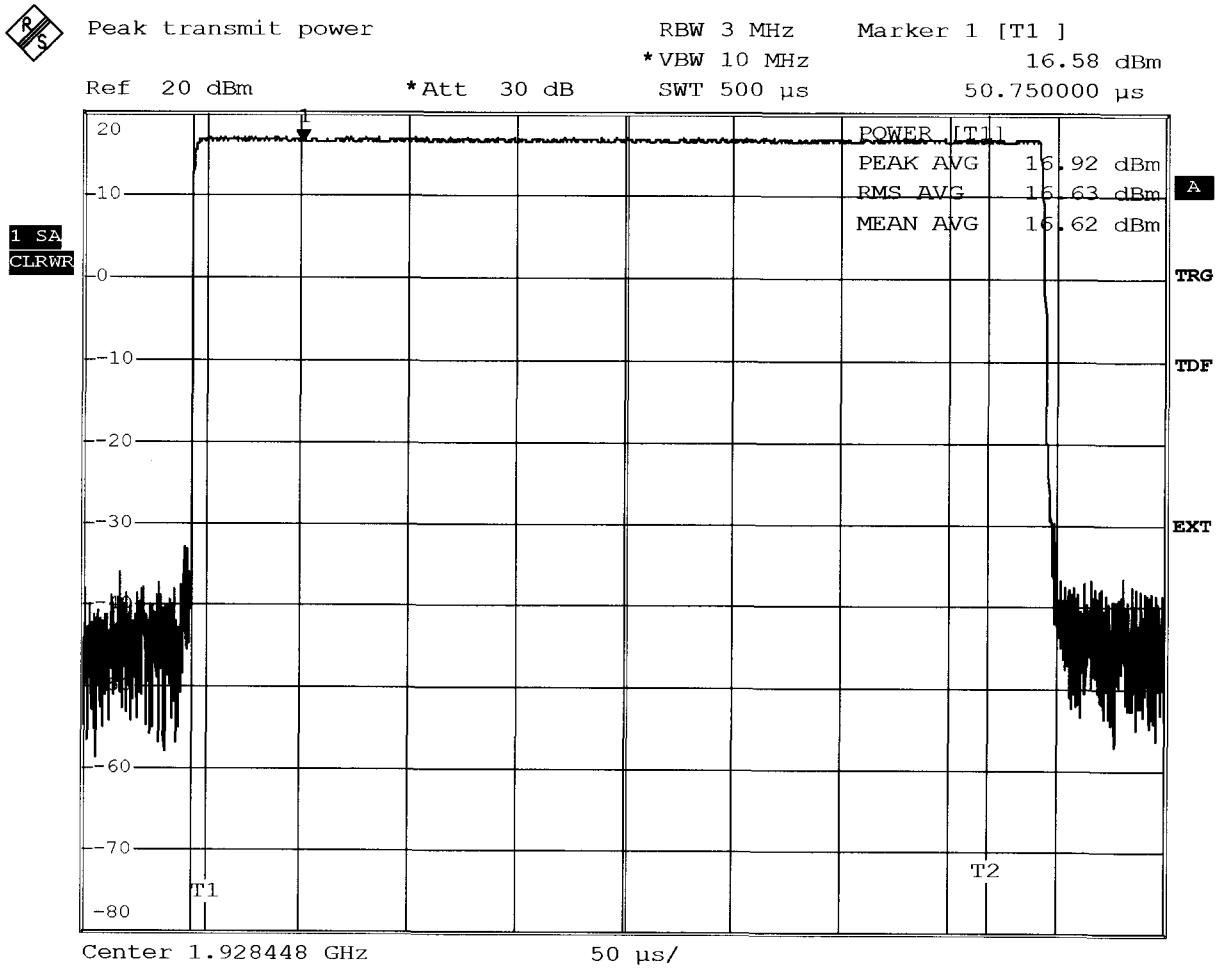
Comment: Ansi C63.17-1998 6.1.2
Date: 25.SEP.2005 09:11:00

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
UPCS

EUT	GN9300 UPCS (Base) (single slot)
Model	GN9300
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vnorm
Measured Bandwidth	1.41MHz
Max. Permitted Power	20,74 dBm
Measured Power	16,88 dBm
Test result	Verdict = PASS



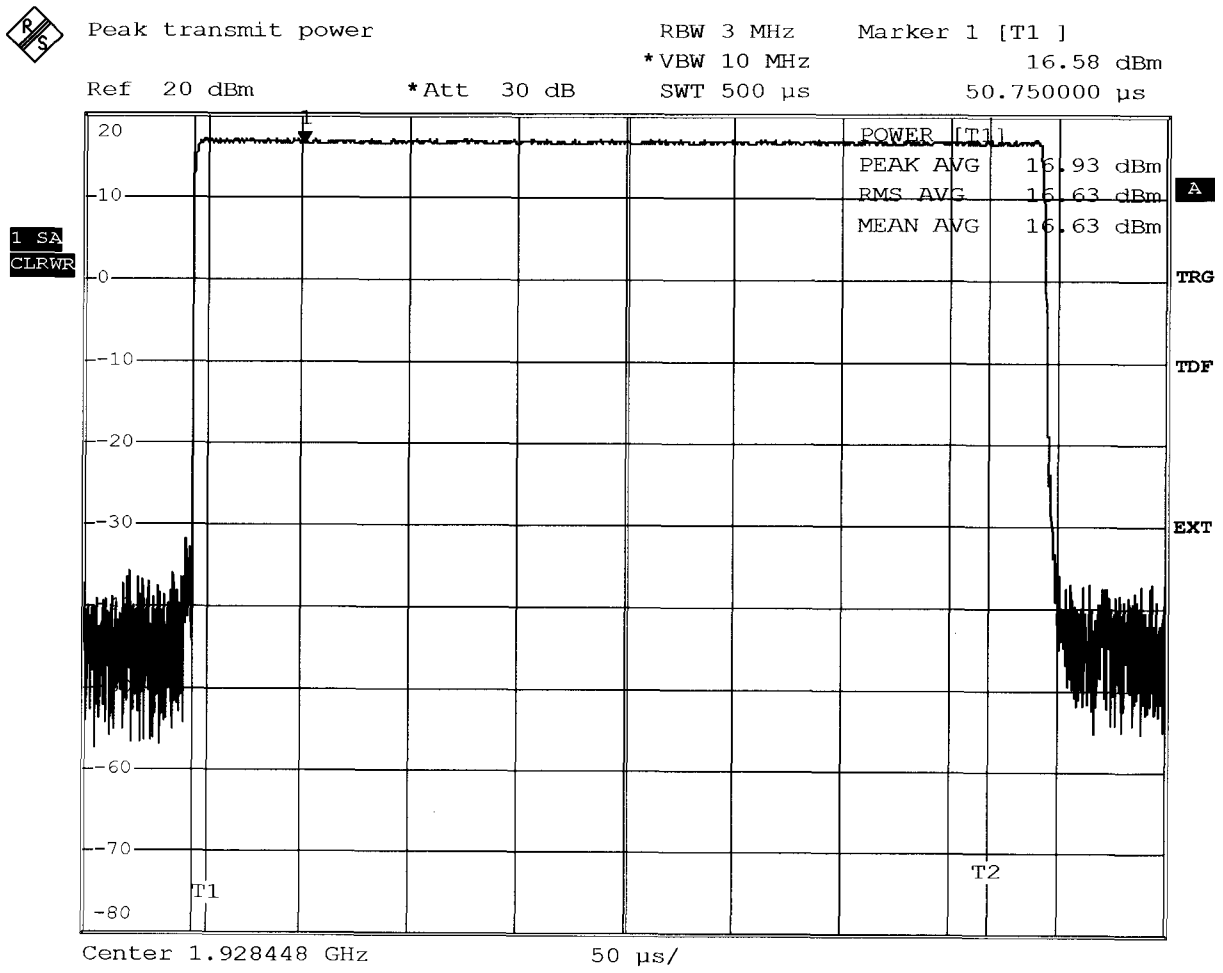
Comment: Ansi C63.17-1998 6.1.2
Date: 25.SEP.2005 09:13:36

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
UPCS

EUT	GN9300 UPCS (Base) (single slot)
Model	GN9300
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vmax
Measured Bandwidth	1.41MHz
Max. Permitted Power	20,74 dBm
Measured Power	16,91 dBm
Test result	Verdict = PASS



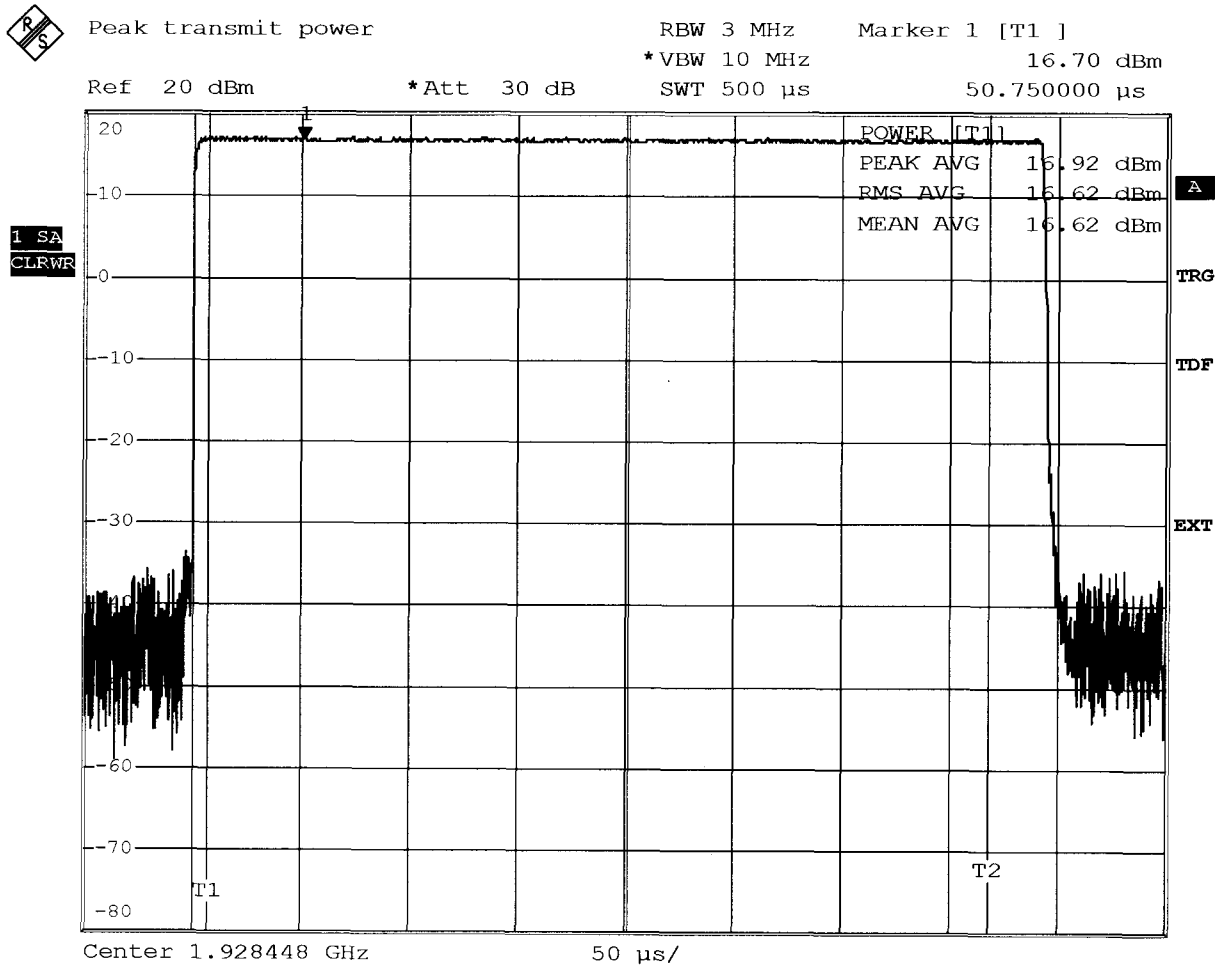
Comment: Ansi C63.17-1998 6.1.2
Date: 25.SEP.2005 09:12:54

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
UPCS

EUT	GN9300 UPCS (Base) (single slot)
Model	GN9300
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vmin
Measured Bandwidth	1.41MHz
Max. Permitted Power	20,74 dBm
Measured Power	16,94 dBm
Test result	Verdict = PASS



Comment: Ansi C63.17-1998 6.1.2
Date: 25.SEP.2005 09:14:17

Measurement diagram

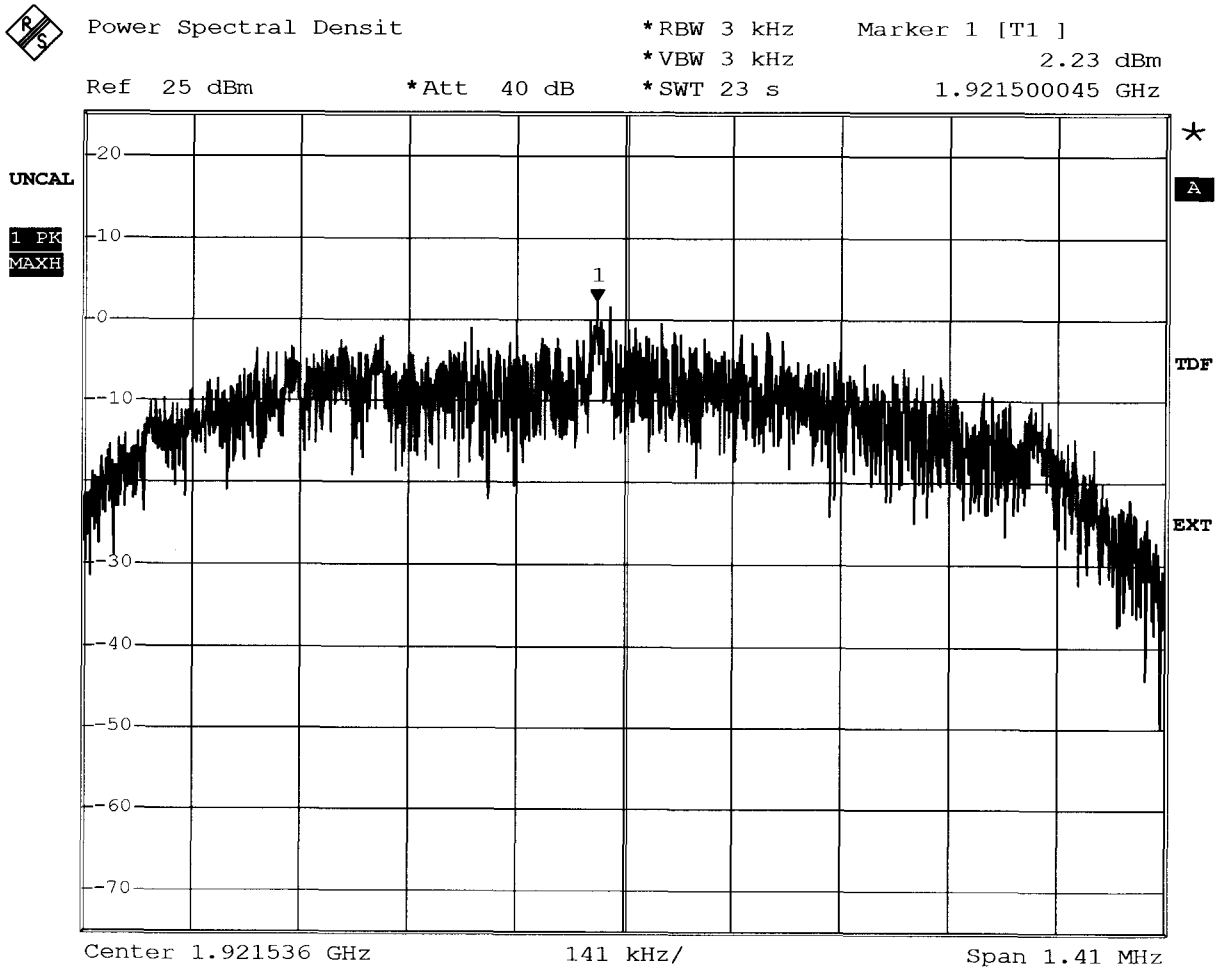
Appendix H

Power spectral density

FCC Part 15.319(d) Power spectral density

UPCS

EUT	GN9300 UPCS (Base) (single slot)
Model	GN9300
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density
	Test step 1 initial condition



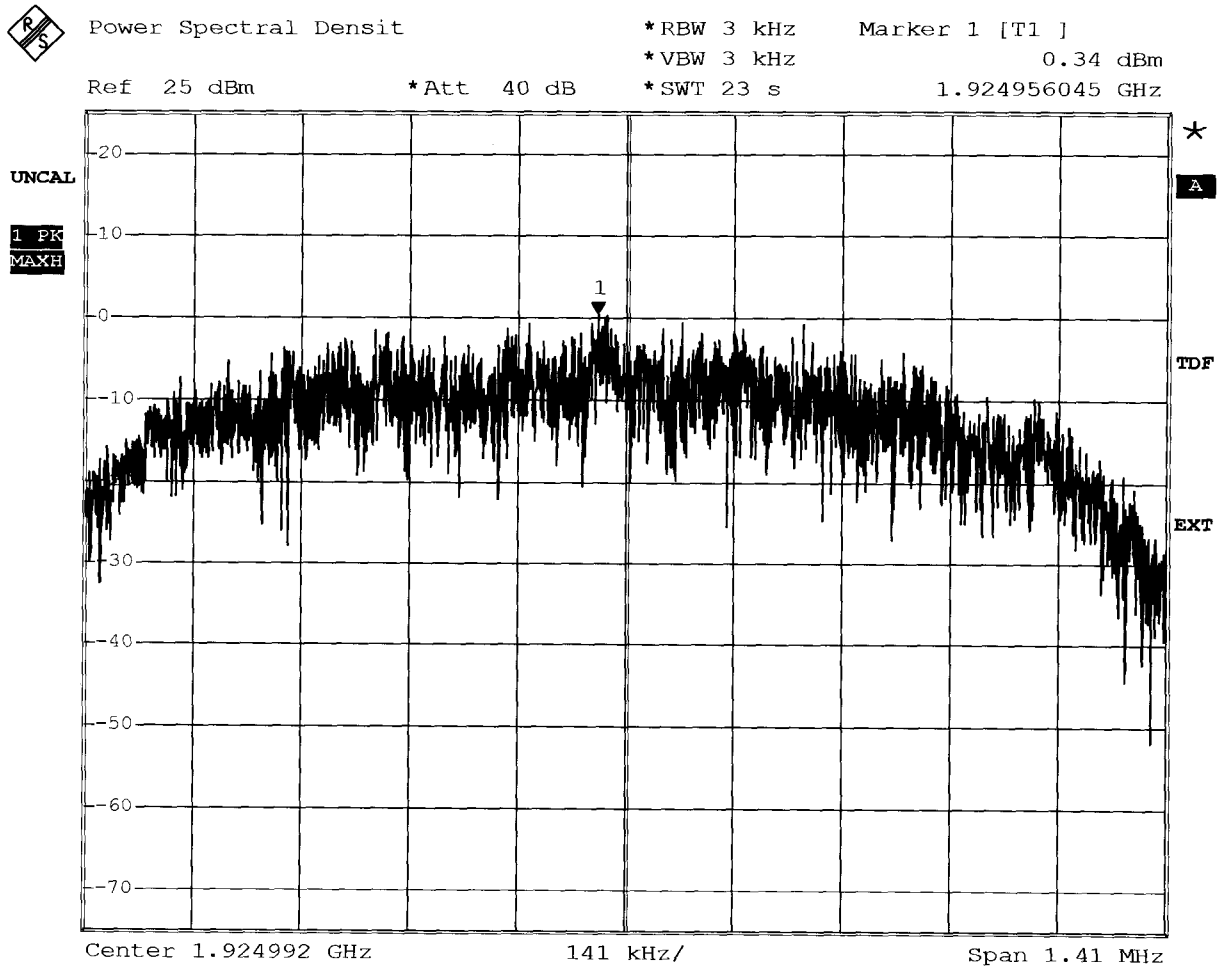
Comment: Ansi C63.17-1998 6.1.5
Date: 25.SEP.2005 09:20:47

Measurement diagram

FCC Part 15.319(d) Power spectral density

UPCS

EUT	GN9300 UPCS (Base) (single slot)
Model	GN9300
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density
	Test step 1 initial condition



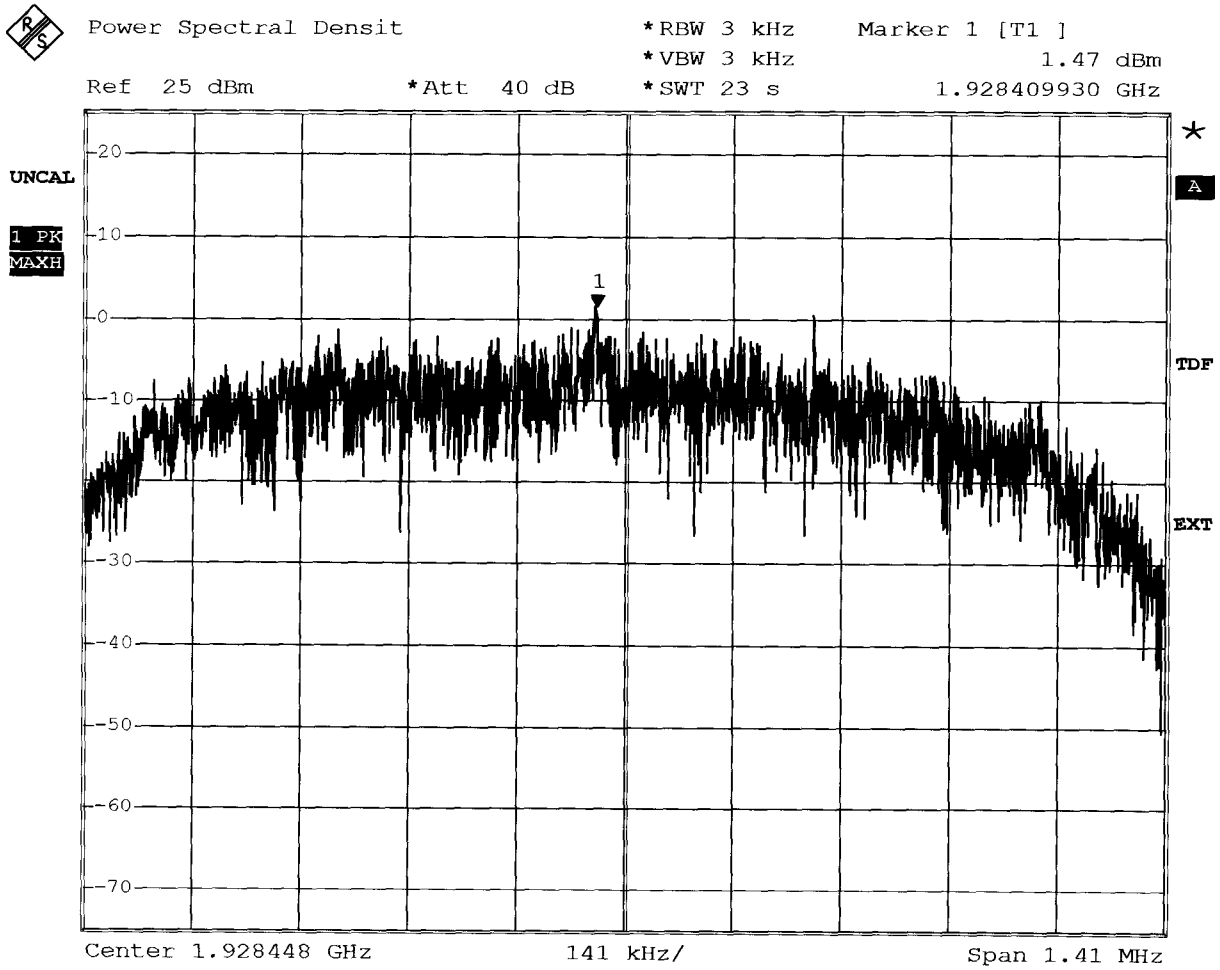
Comment: Ansi C63.17-1998 6.1.5
Date: 25.SEP.2005 09:19:45

Measurement diagram

FCC Part 15.319(d) Power spectral density

UPCS

EUT	GN9300 UPCS (Base) (single slot)
Model	GN9300
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density
	Test step 1 initial condition



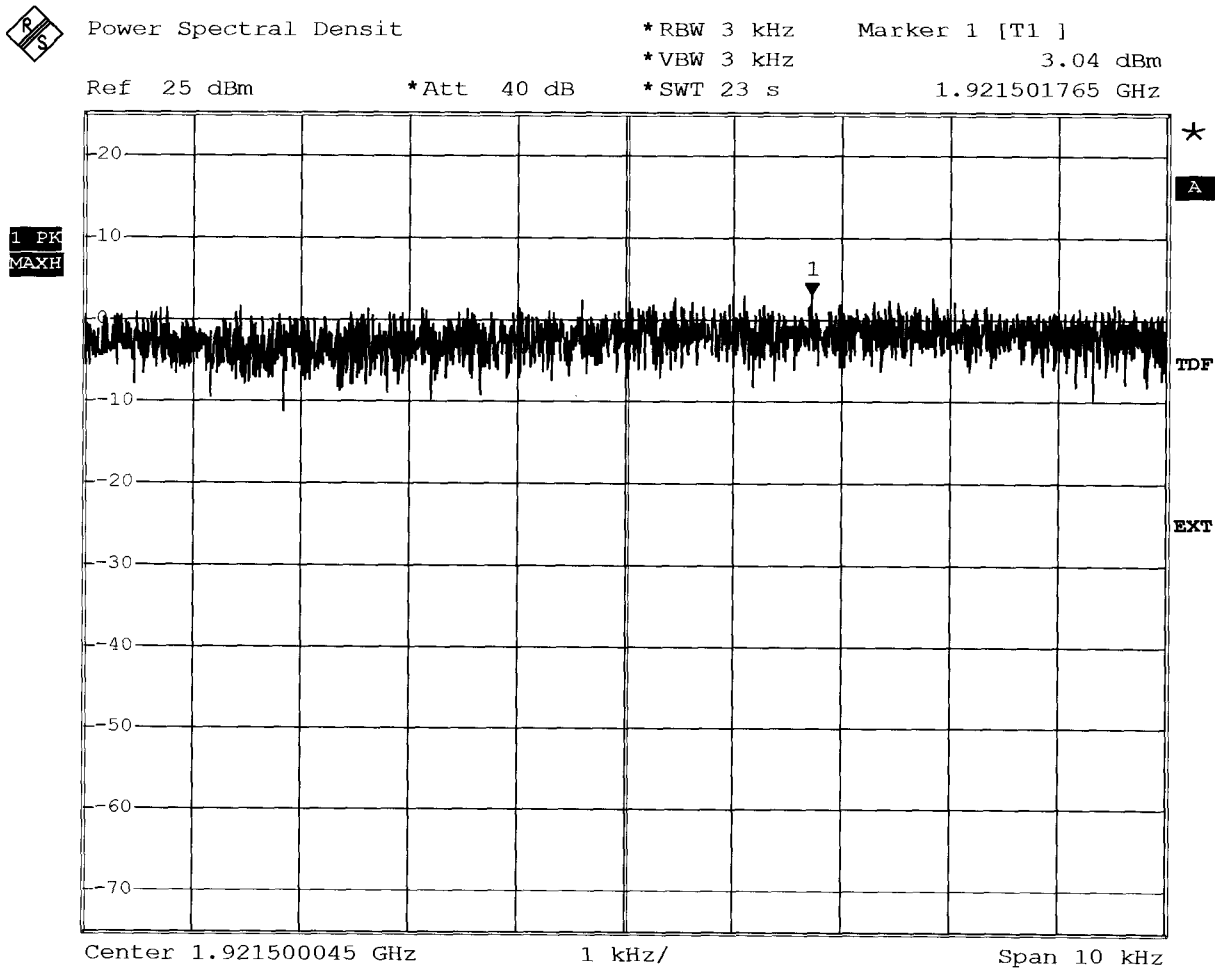
Comment: Ansi C63.17-1998 6.1.5
Date: 25.SEP.2005 09:18:41

Measurement diagram

FCC Part 15.319(d) Power spectral density

Testprocedure ANSI 63.17-1998 6.1.5
UPCS

EUT	GN9300 UPCS (Base) (single slot)
Model	GN9300
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density
Measured Maximum	3.041 dBm
Value in mW	2.014mW
Maximal permitted	limit=3mW
Test result	Verdict = PASS



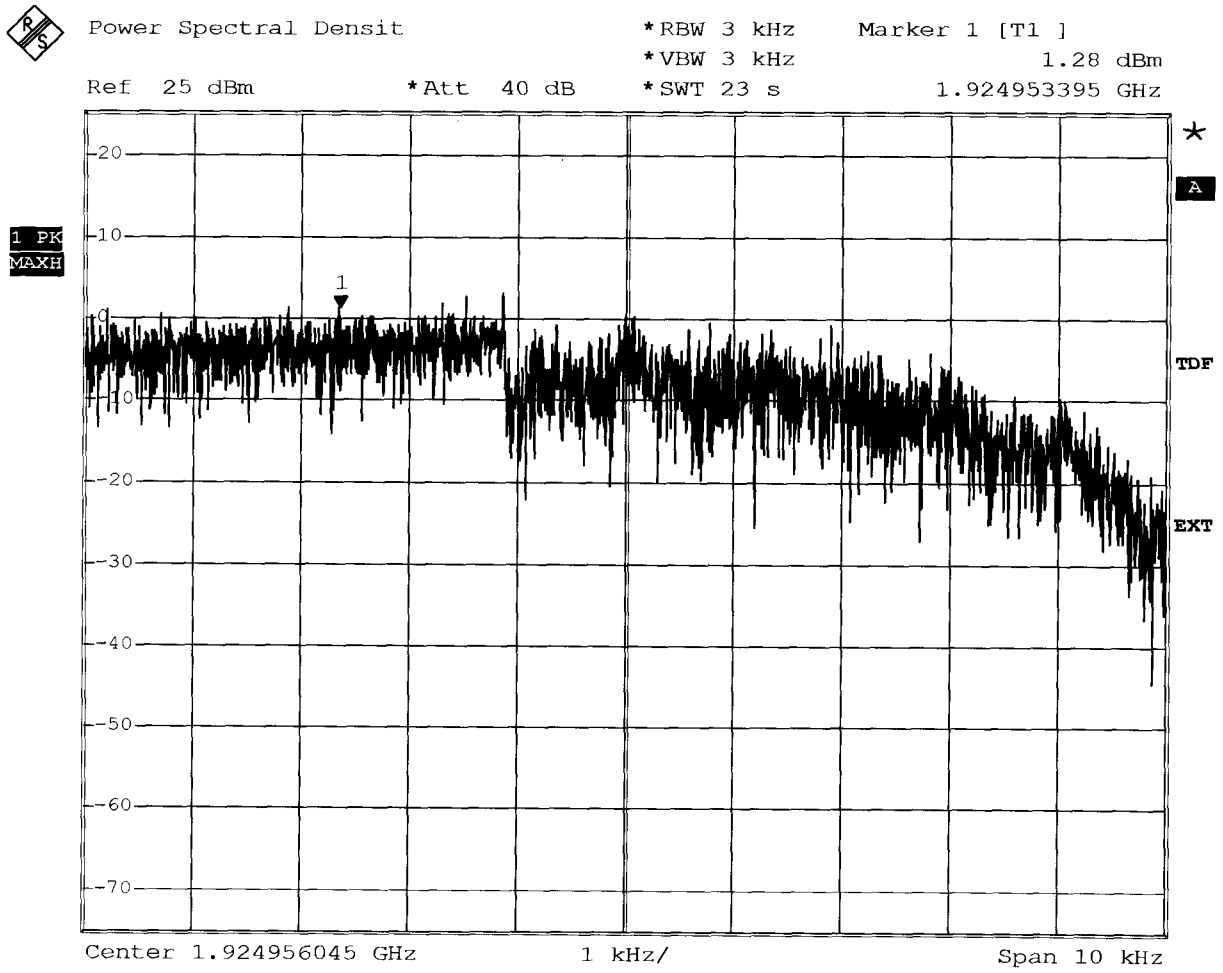
Comment: Ansi C63.17-1998 6.1.5
Date: 25.SEP.2005 09:21:16

Measurement diagram

FCC Part 15.319(d) Power spectral density

Testprocedure ANSI 63.17-1998 6.1.5
UPCS

EUT	GN9300 UPCS (Base) (single slot)
Model	GN9300
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density
Measured Maximum	1.277 dBm
Value in mW	1.342mW
Maximal permitted	limit=3mW
Test result	Verdict = PASS



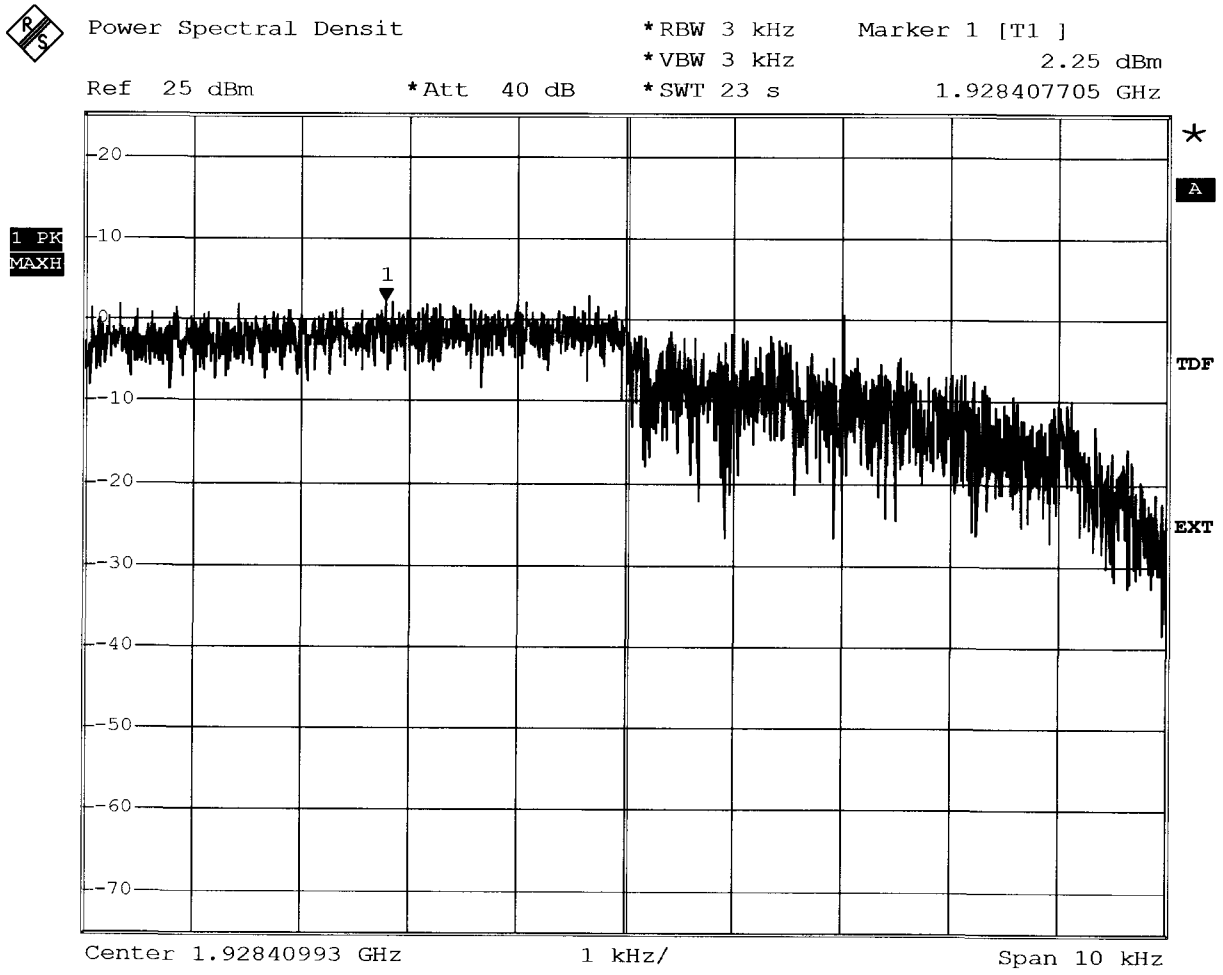
Comment: Ansi C63.17-1998 6.1.5
Date: 25.SEP.2005 09:19:57

Measurement diagram

FCC Part 15.319(d) Power spectral density

Testprocedure ANSI 63.17-1998 6.1.5
UPCS

EUT	GN9300 UPCS (Base) (single slot)
Model	GN9300
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density
Measured Maximum	2.25 dBm
Value in mW	1.679mW
Maximal permitted	limit=3mW
Test result	Verdict = PASS



Comment: Ansi C63.17-1998 6.1.5
Date: 25.SEP.2005 09:18:56

Measurement diagram

Appendix I

Directional gain of the antenna

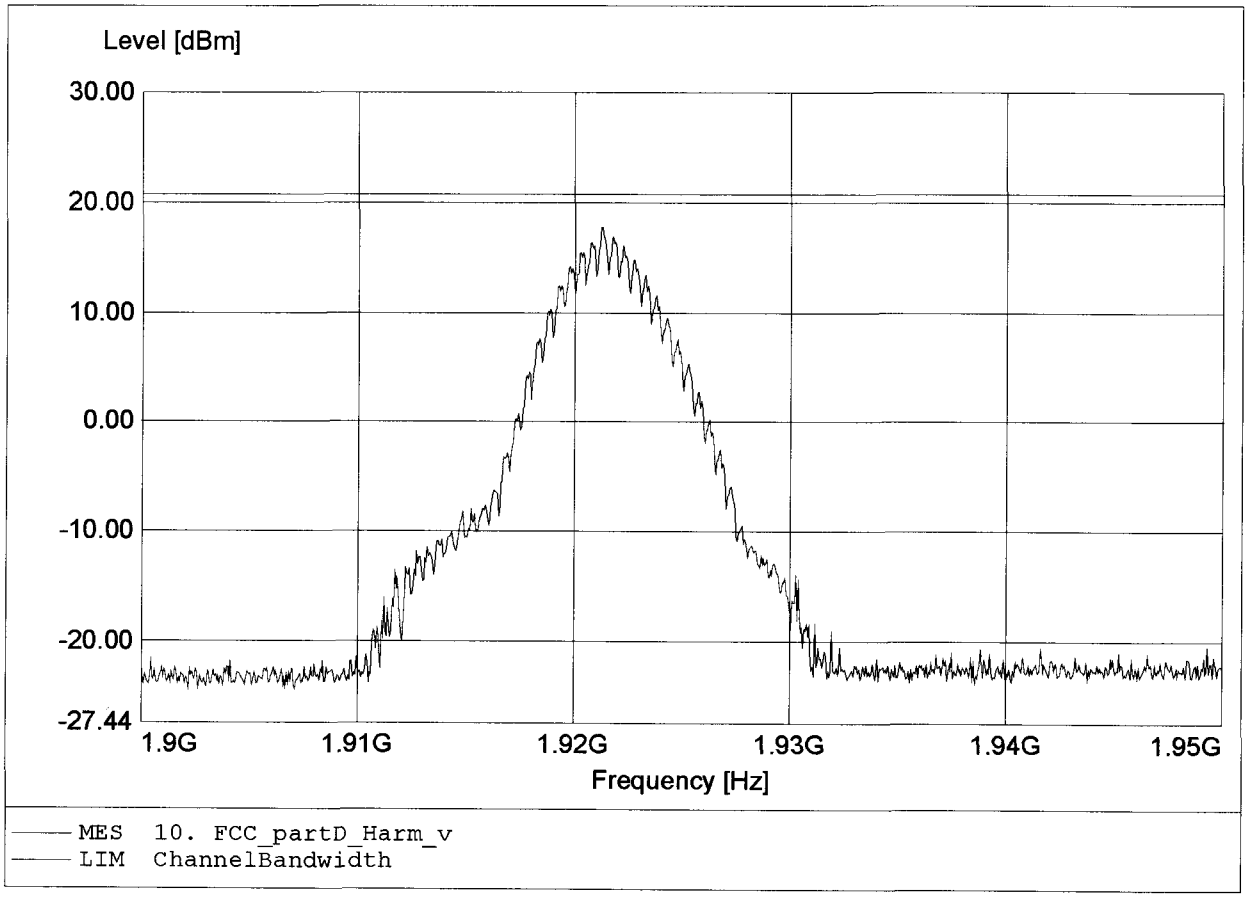
Appendix J

Radio frequency radiation exposure

Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

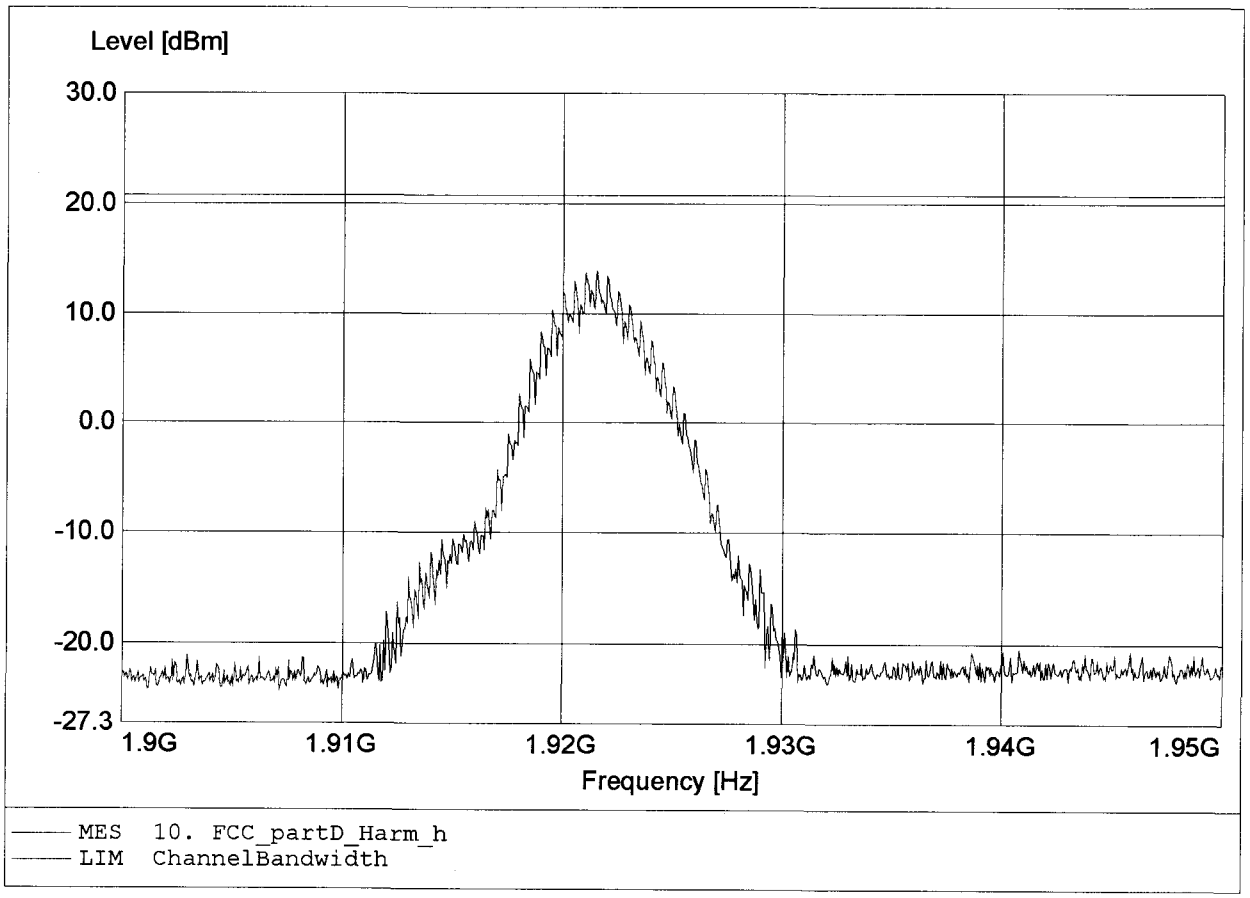
Type approval holder: RTX Telecom A/S
EUT : GN9300 UPCS Base
Model: GN9300 / 1921.536MHz / ant.: 1
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.921GHz Pmax:17.83dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

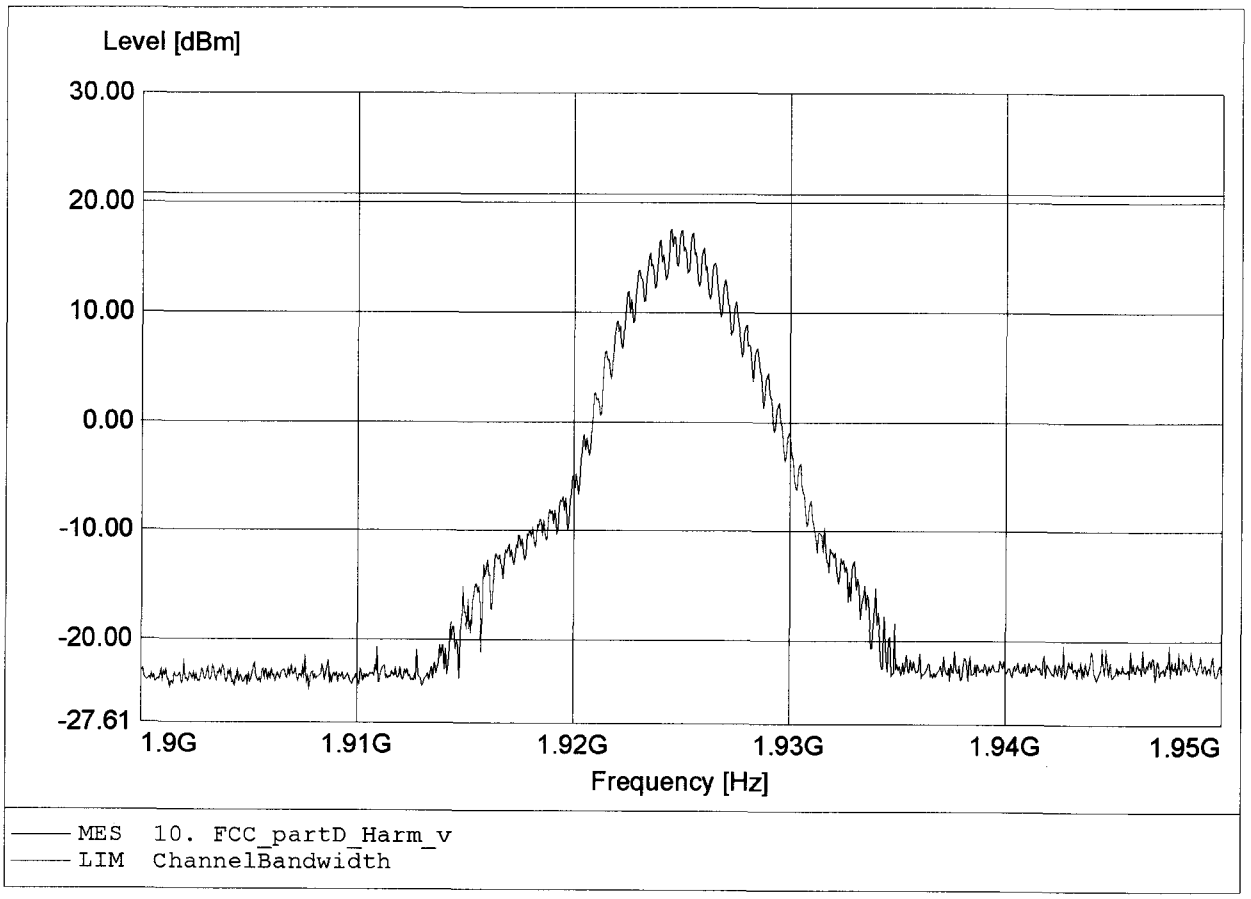
Type approval holder: RTX Telecom A/S
EUT : GN9300 UPCS Base
Model: GN9300 / 1921.536MHz / ant.: 1
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.922GHz Pmax:13.86dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

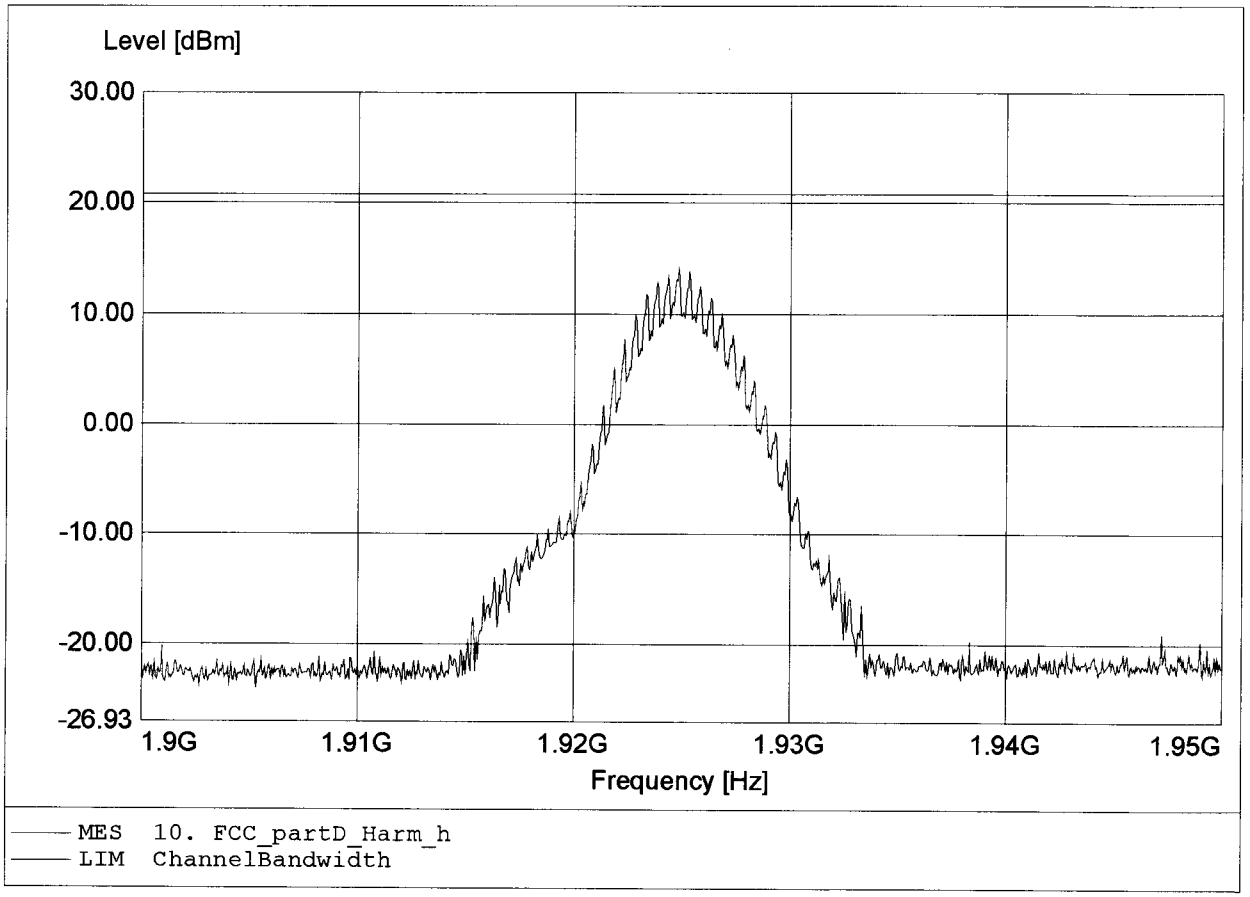
Type approval holder: RTX Telecom A/S
EUT : GN9300 UPCS Base
Model: GN9300 / 1924.992MHz / ant.: 1
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.925GHz Pmax:17.56dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

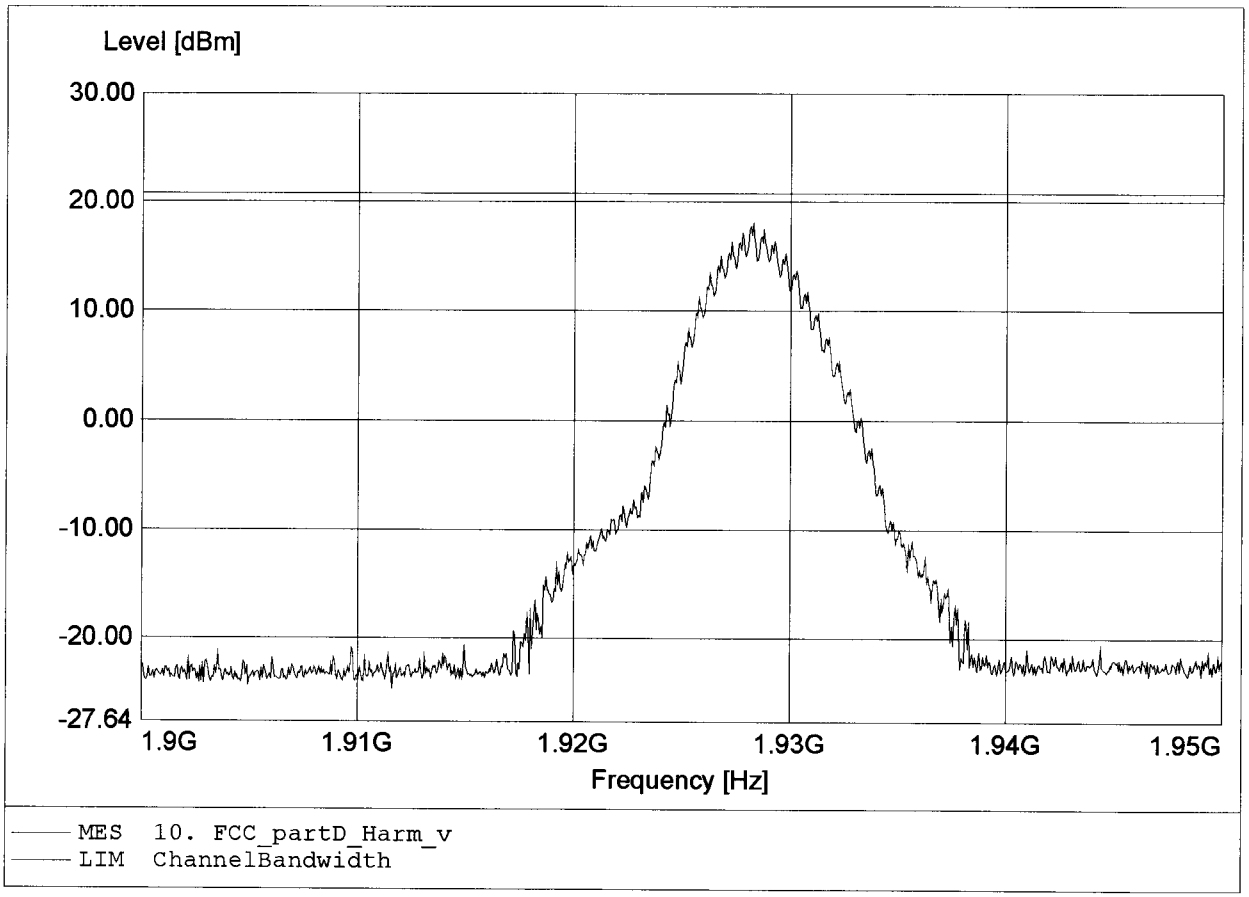
Type approval holder: RTX Telecom A/S
EUT : GN9300 UPCS Base
Model: GN9300 / 1924.992MHz / ant.: 1
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.925GHz Pmax:14.22dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

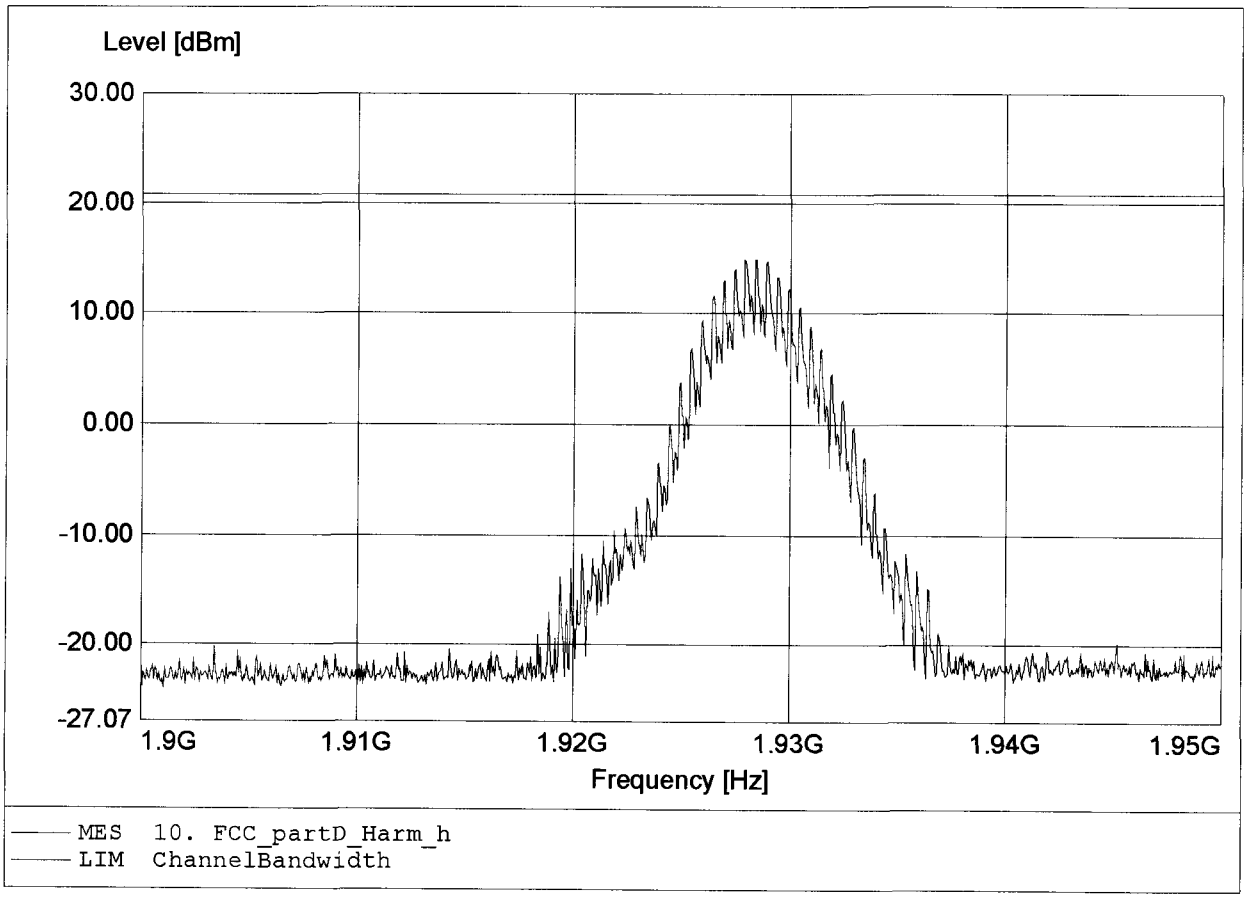
Type approval holder: RTX Telecom A/S
EUT : GN9300 UPCS Base
Model: GN9300 / 1928.448MHz / ant.: 1
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.928GHz Pmax:18.03dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

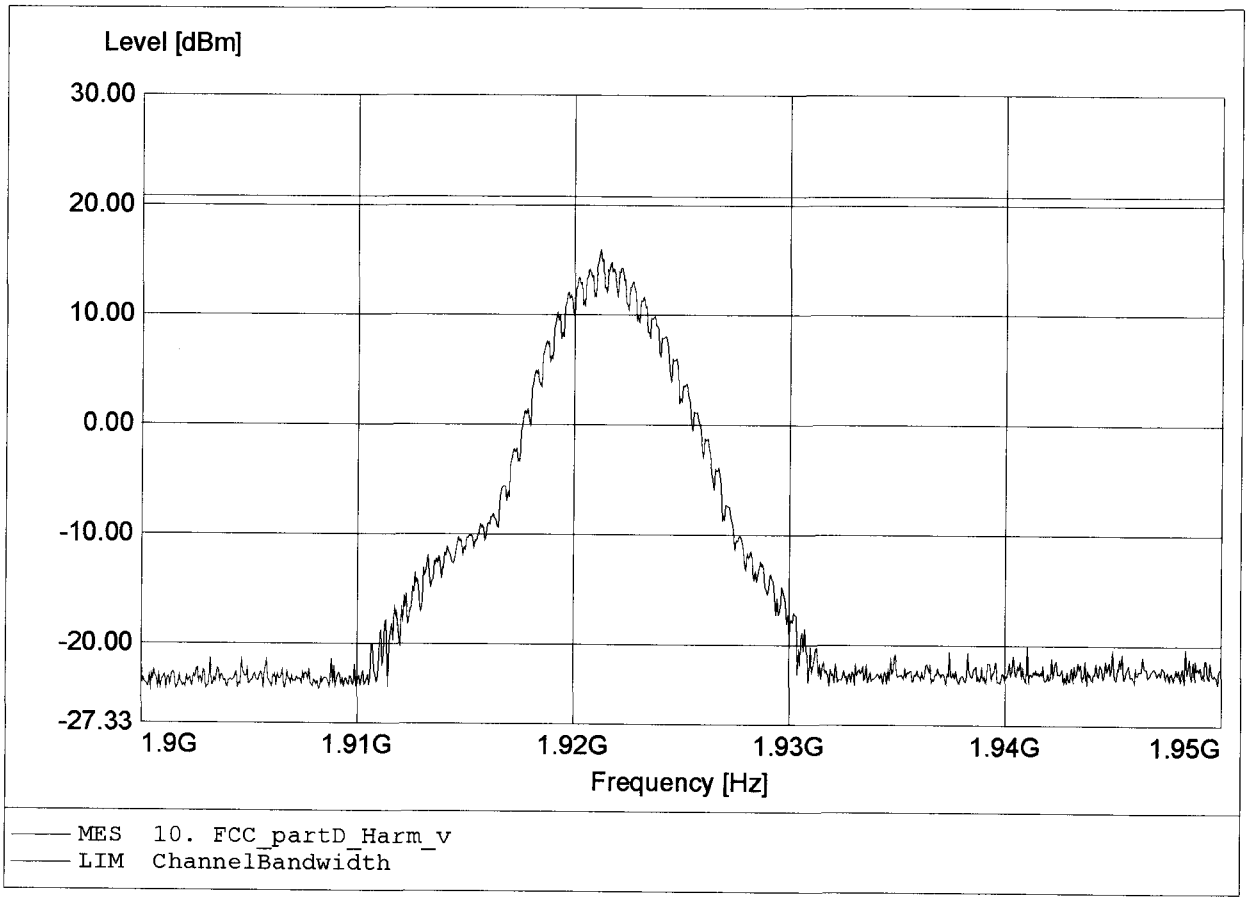
Type approval holder: RTX Telecom A/S
EUT : GN9300 UPCS Base
Model: GN9300 / 1928.448MHz / ant.: 1
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.928GHz Pmax:14.87dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

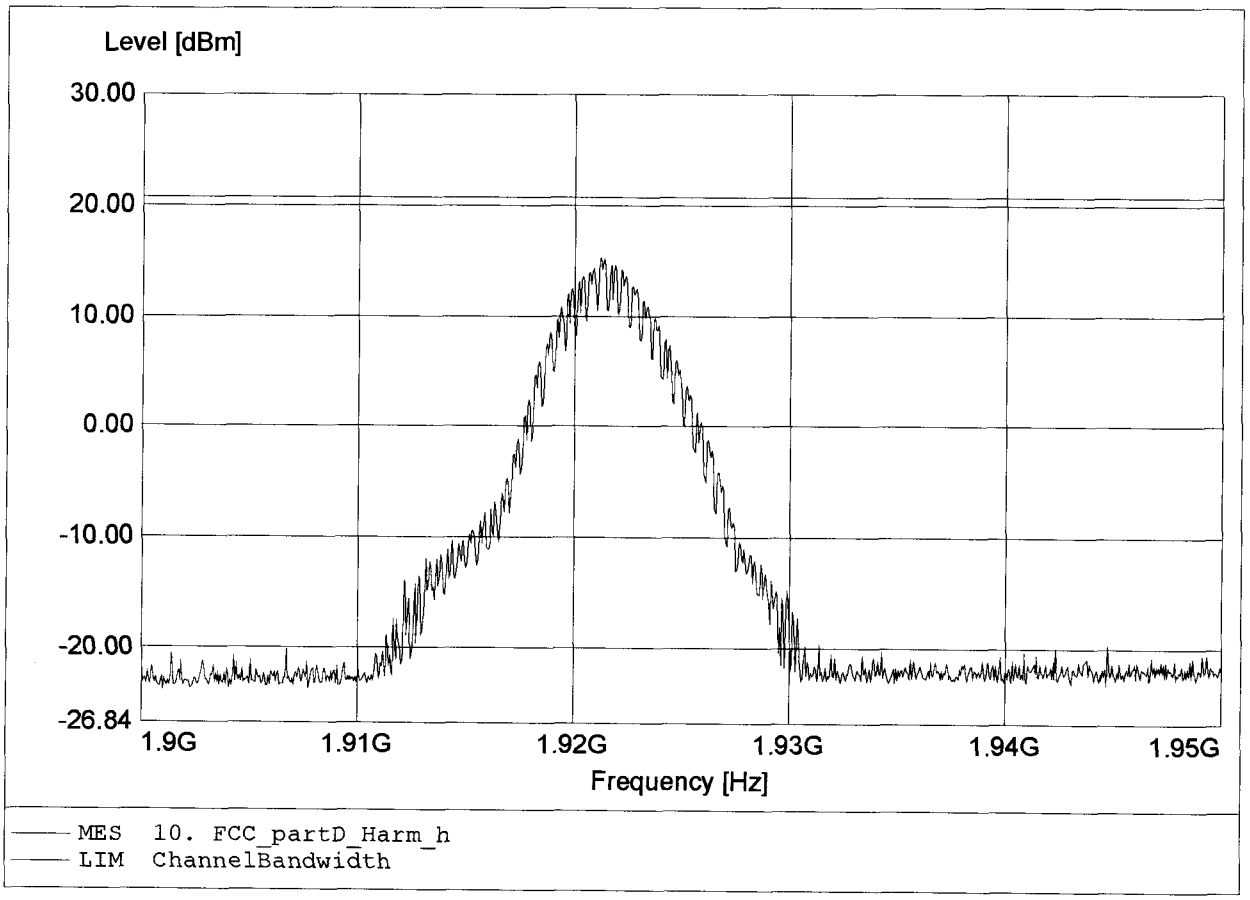
Type approval holder: RTX Telecom A/S
EUT : GN9300 UPCS Base
Model: GN9300 / 1921.536MHz / ant.: 2
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.921GHz Pmax:15.90dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

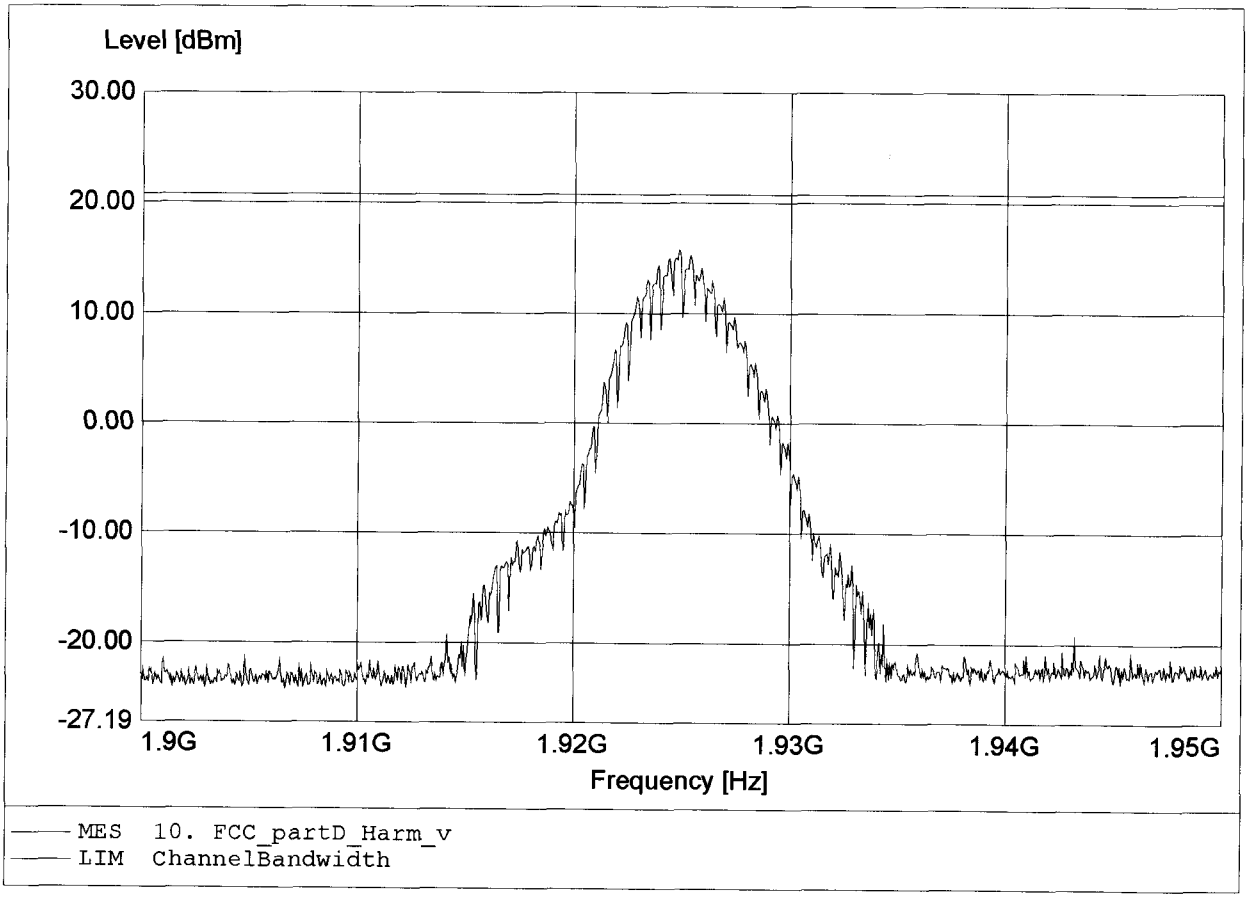
Type approval holder: RTX Telecom A/S
EUT : GN9300 UPCS Base
Model: GN9300 / 1921.536MHz / ant.: 2
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.921GHz Pmax:15.30dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

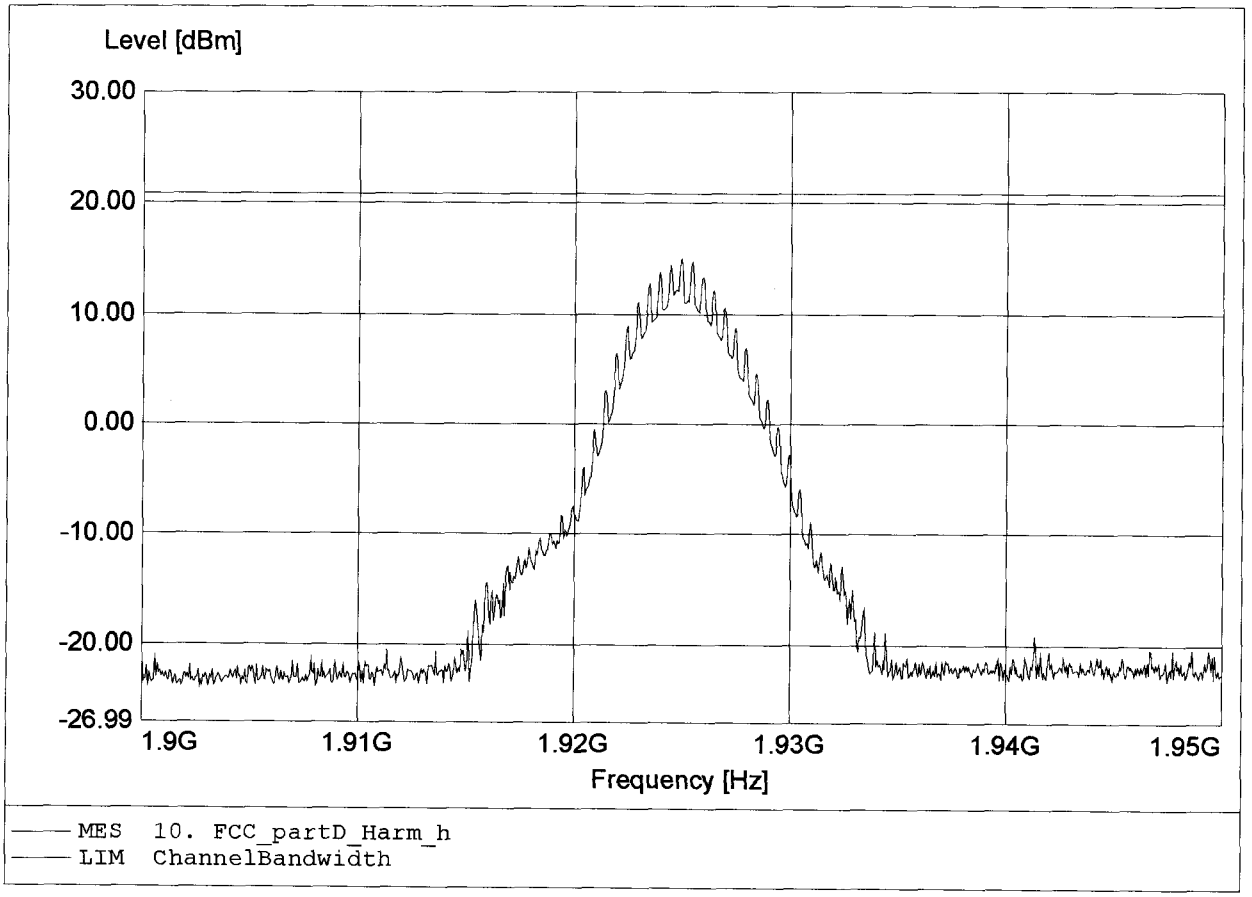
Type approval holder: RTX Telecom A/S
EUT : GN9300 UPCS Base
Model: GN9300 / 1924.992MHz / ant.: 2
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.925GHz Pmax:15.79dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

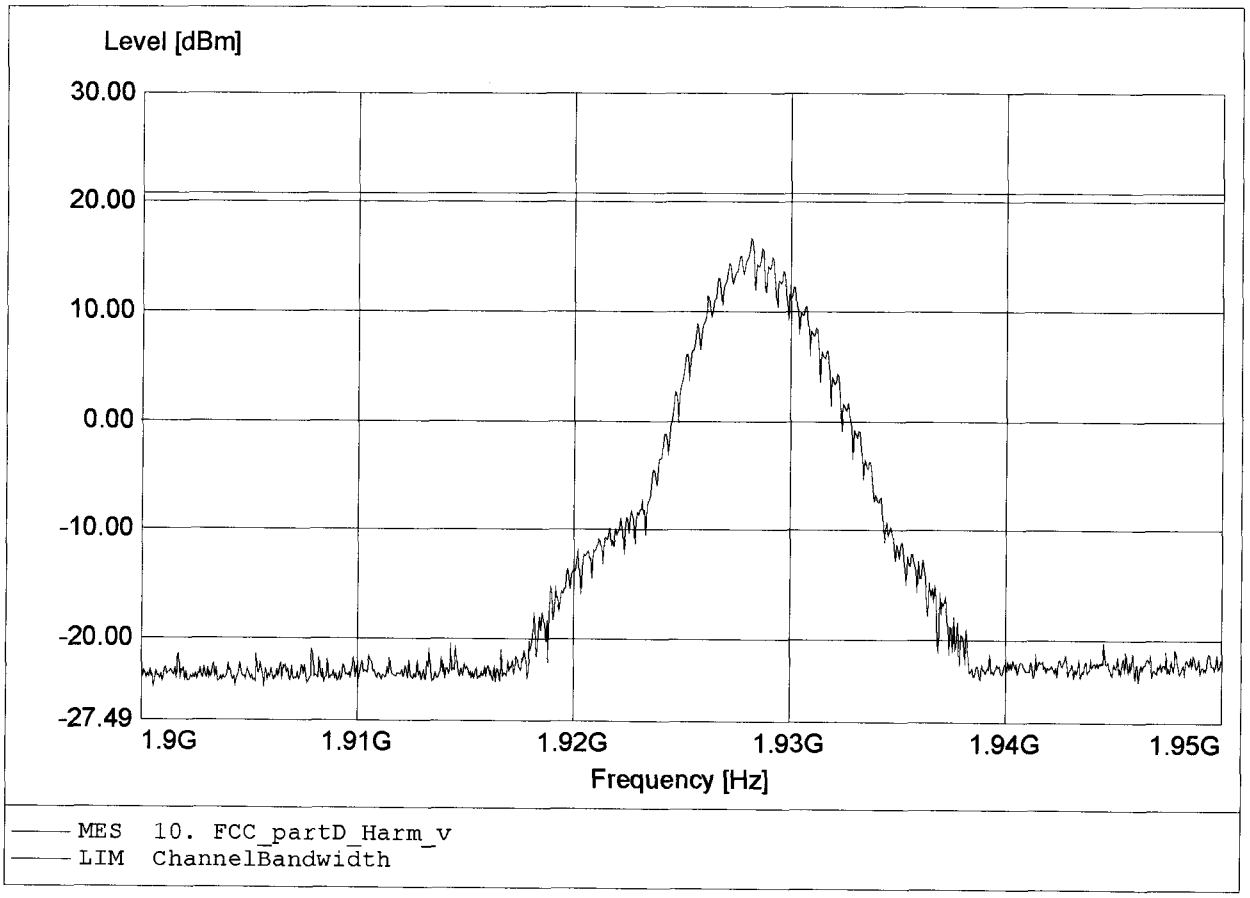
Type approval holder: RTX Telecom A/S
EUT : GN9300 UPCS Base
Model: GN9300 / 1924.992MHz / ant.: 2
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.925GHz Pmax:15.03dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

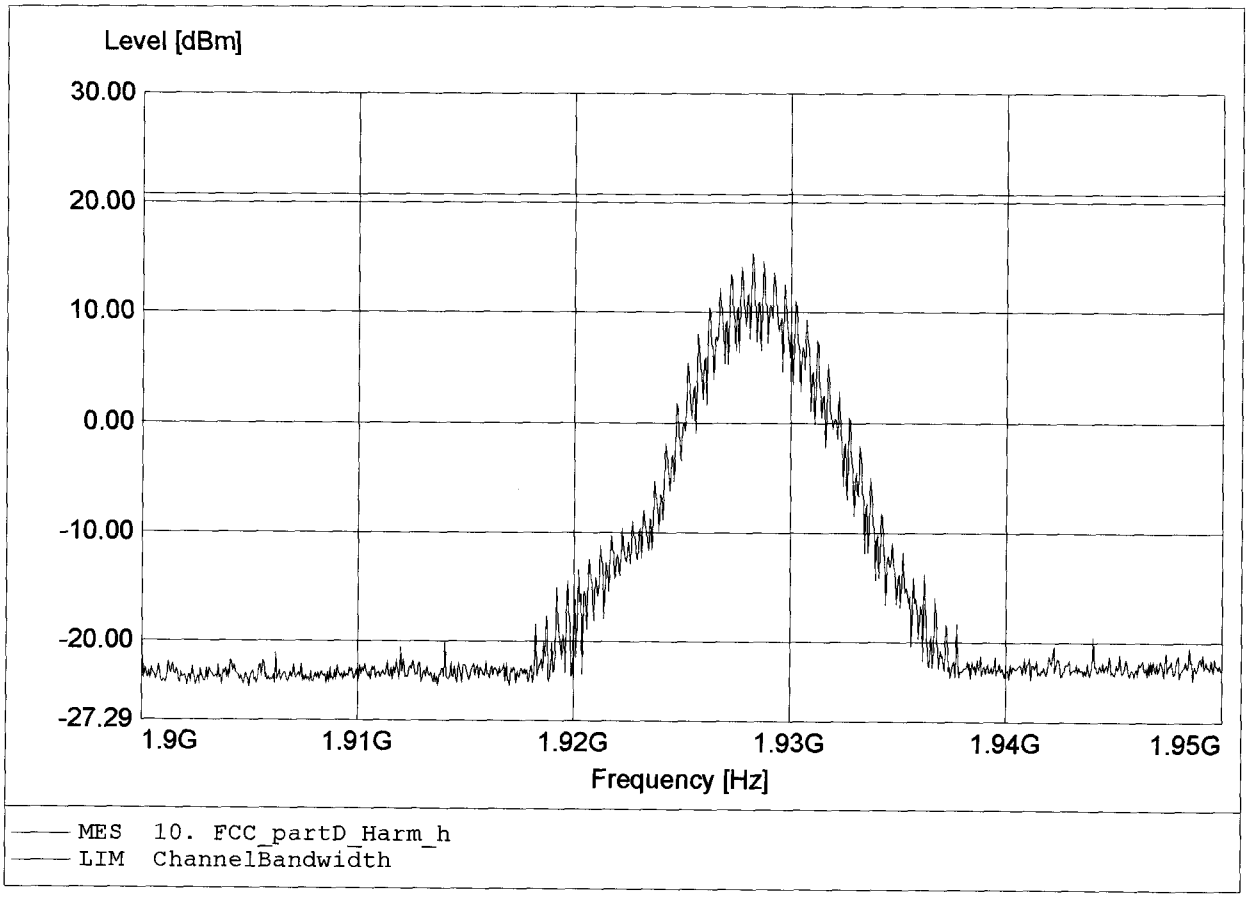
Type approval holder: RTX Telecom A/S
EUT : GN9300 UPCS Base
Model: GN9300 / 1928.448MHz / ant.: 2
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.928GHz Pmax:16.68dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

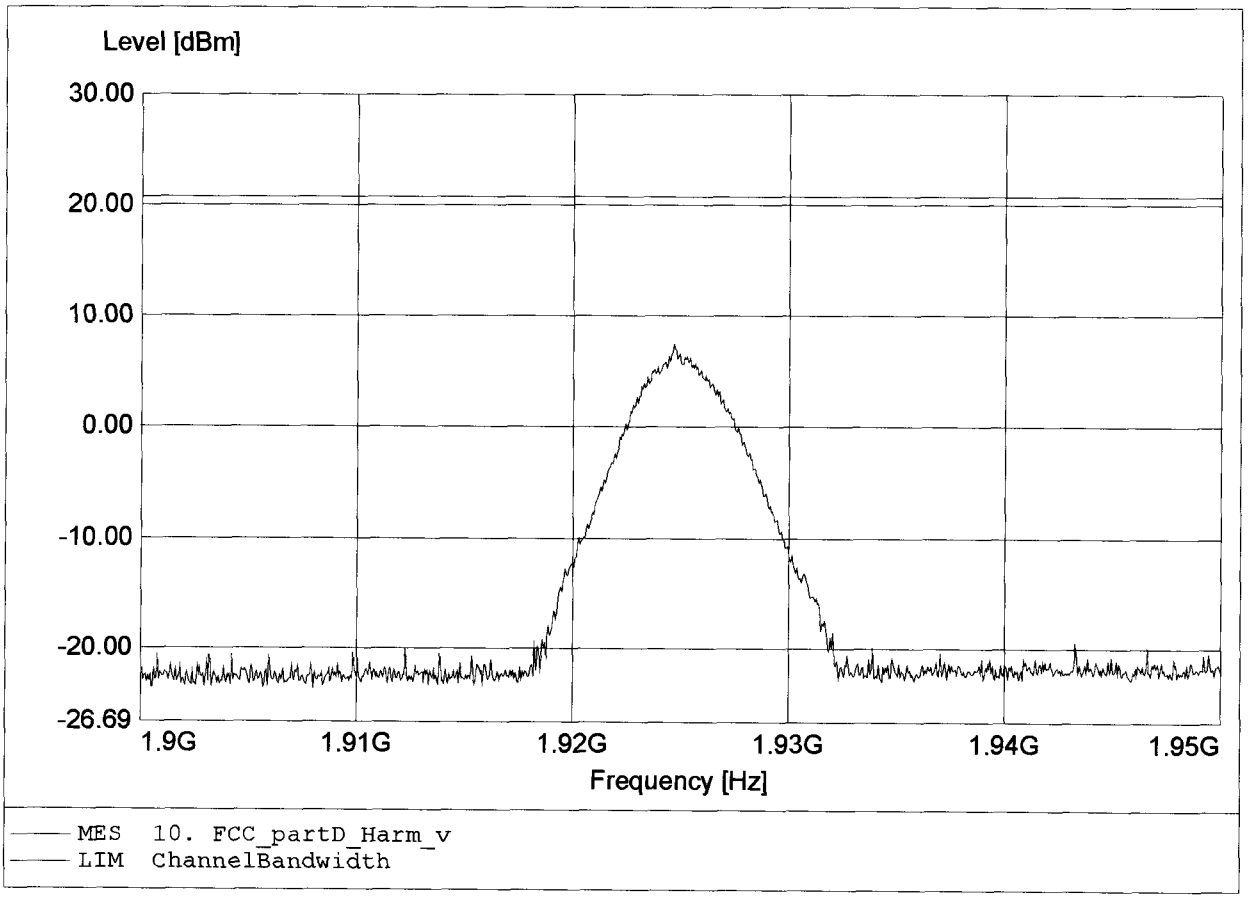
Type approval holder: RTX Telecom A/S
EUT : GN9300 UPCS Base
Model: GN9300 / 1928.448MHz / ant.: 2
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.928GHz Pmax:15.27dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

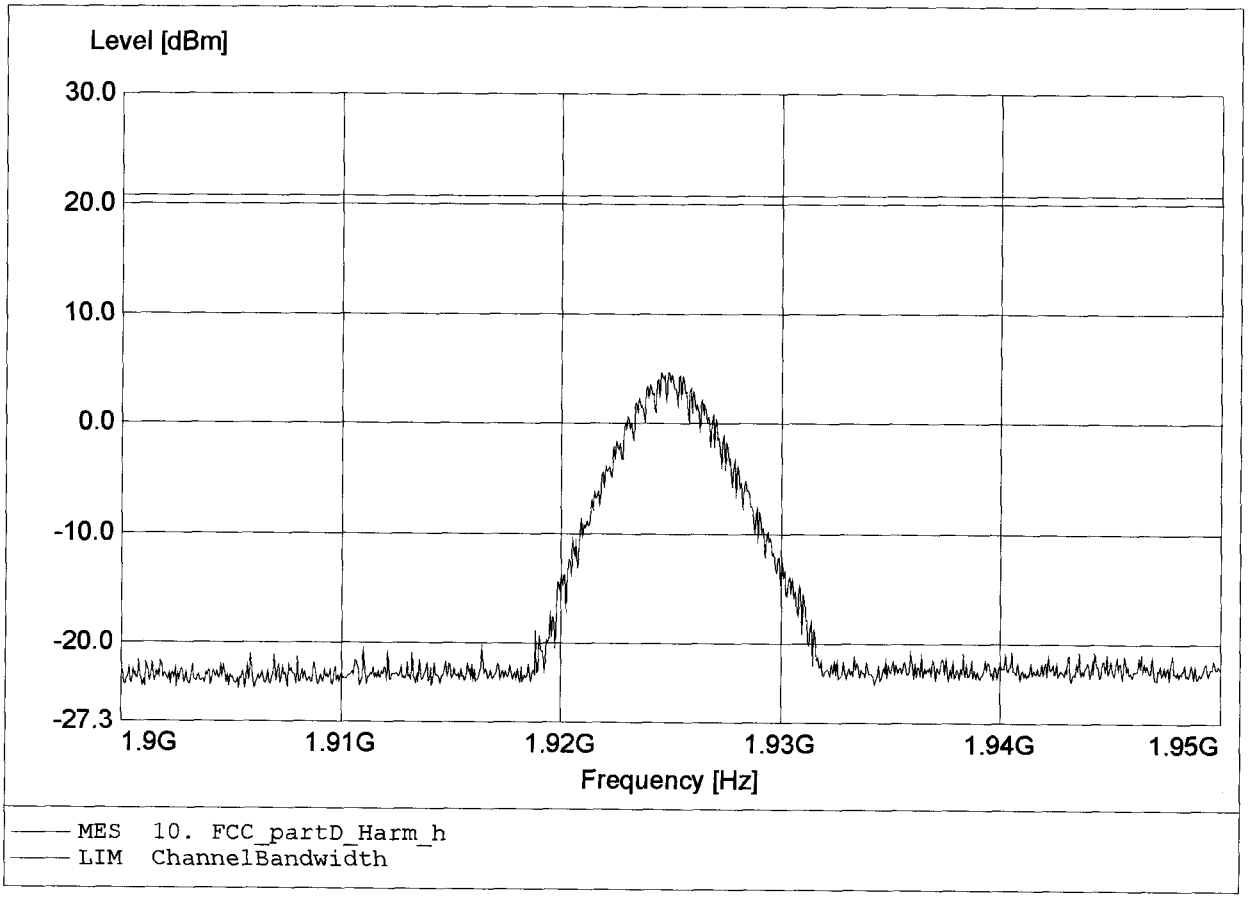
Type approval holder: RTX Telecom A/S
EUT : GN9300 UPCS Base (CT)
Model: GN9300 / Ch.: 2 / antenna 2
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.925GHz Pmax:7.43dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

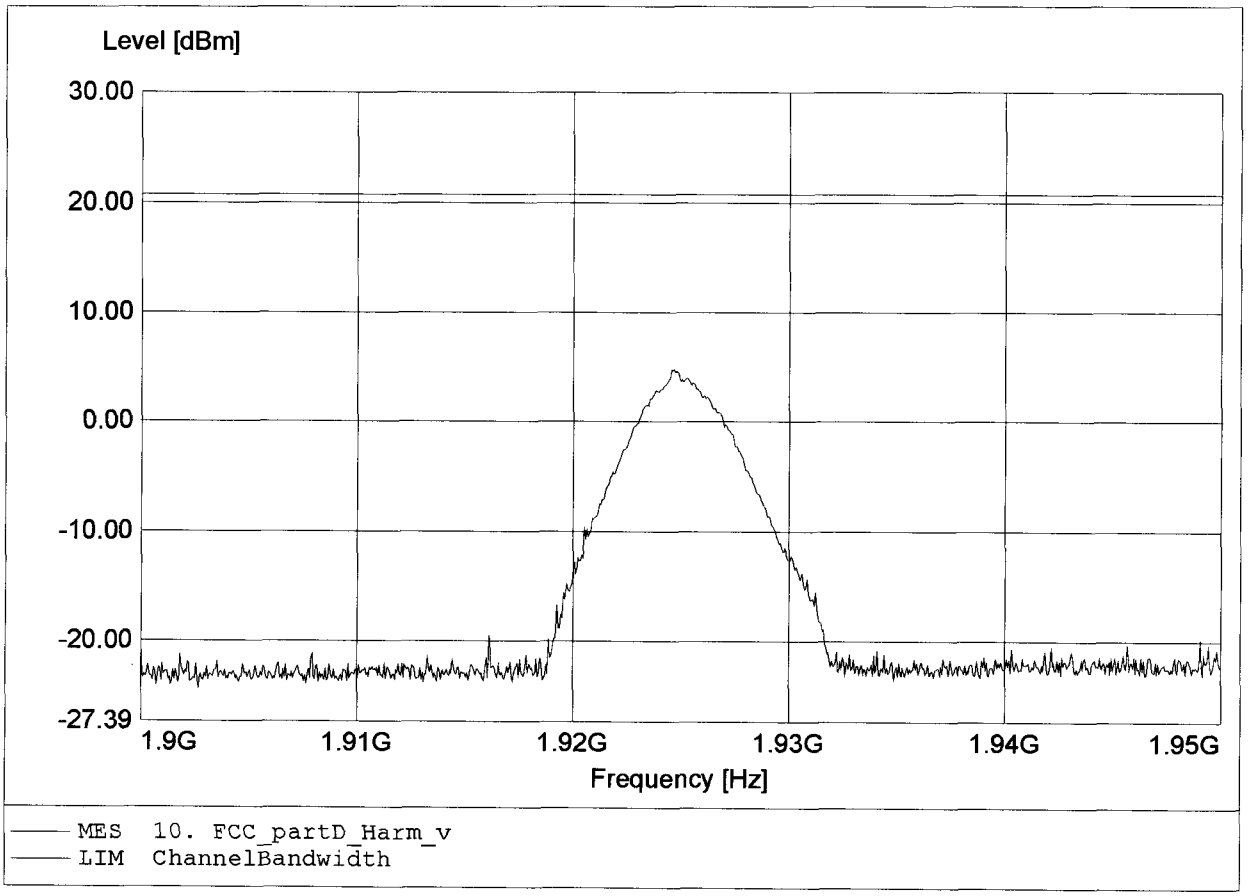
Type approval holder: RTX Telecom A/S
EUT : GN9300 UPCS Base (CT)
Model: GN9300 / Ch.: 2 / antenna 2
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.925GHz Pmax:4.64dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

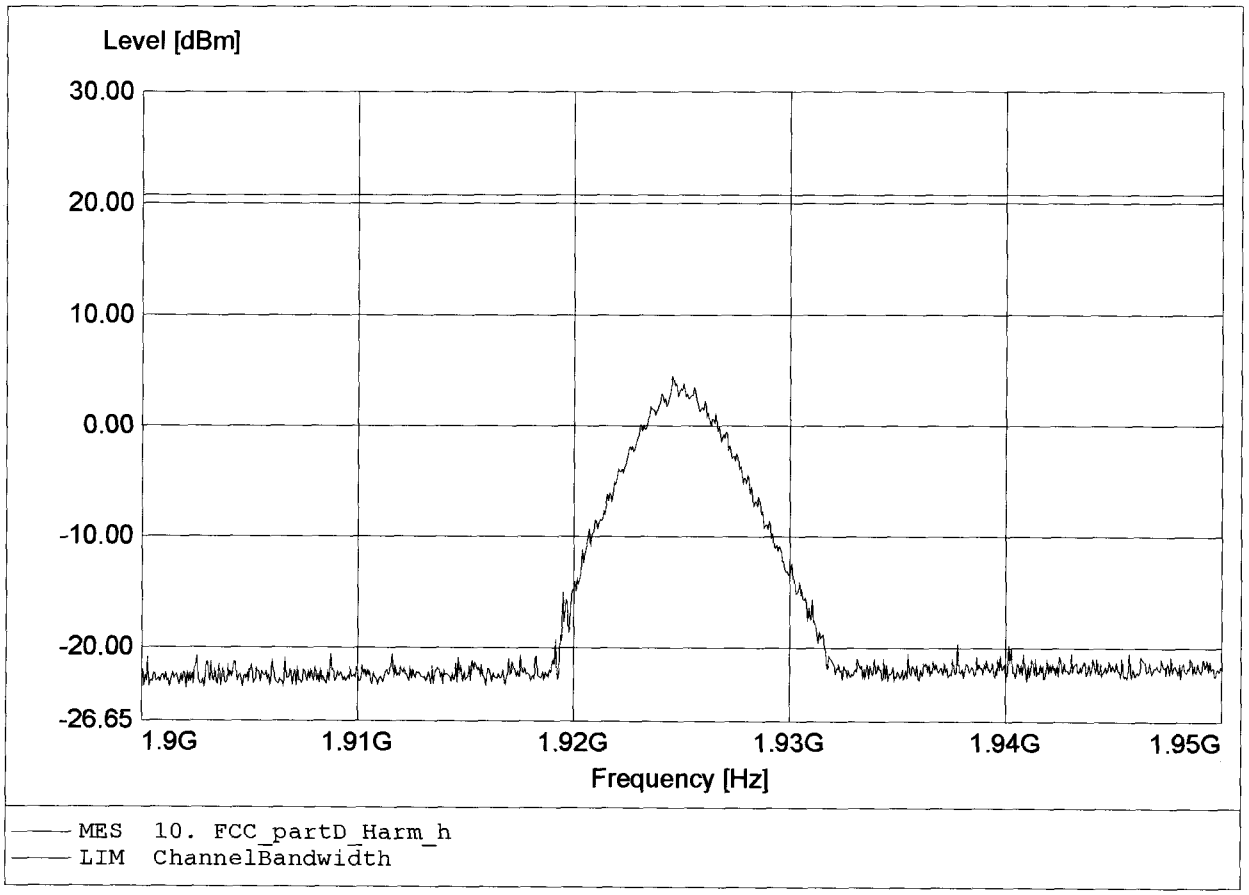
Type approval holder: RTX Telecom A/S
EUT : GN9300 UPCS Base (CU)
Model: GN9300 / Ch.: 2 / antenna 2
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.925GHz Pmax:4.79dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

Type approval holder: RTX Telecom A/S
EUT : GN9300 UPCS Base (CU)
Model: GN9300 / Ch.: 2 / antenna 2
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 120 V AC (AC/DC adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.925GHz Pmax:4.46dBm RBW: 5 MHz



Appendix K

Monitoring threshold

Test case	Rev. Draft 1.1 ANSI_7.3.1.1.3_upper_theshold Date 27.09.2005 18:37:35
Reference to the EUT	G0M20509-9850 / GN9300
Comment:	initial setup
	GN9300 UPCS (Base) (single slot) RTX Telecom A/S

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	
00:54:45.3281250	-52 -52,5	-52,2 -52,6	-52,1 -52,6	-52,8 -53,2	-51,8 -52,5	-52,5 dBm
00:55:05.5468750	-53 -53,4	-53,2 -53,6	-53,1 -53,6	-53 -53,8	-52,7 -53,6	-53,5 dBm
00:55:23.8281250	-54 -54,5	-54,2 -54,6	-54 -54,6	-53,9 -54,7	-54,6 -55,1	-54,5 dBm
00:55:38.7187500	-54,9 -55,4	-55,1 -55,6	-55 -55,6	-54,9 -55,7	-55,5 -56,1	-55,5 dBm
00:55:55.0625000	-55,9 -56,5	-56,2 -56,6	-56 -56,5	-55,8 -56,8	-55,7 -56,9	-56,5 dBm
00:56:11.2500000	-56,9 -57,5	-57,2 -57,6	-57 -57,7	-56,8 -57,7	-56,7 -57,9	-57,5 dBm
00:56:25.5156250	-57,9 -58,6	-58,1 -58,6	-57,9 -58,7	-57,8 -58,8	-57,5 -58,9	-58,5 dBm
00:56:40.4062500	-58,8 -59,4	-59 -59,6	-59 -59,6	-58,8 -59,8	-58,6 -60	-59,5 dBm
00:56:54.8437500	-50,9 -60,3	-46,5 -60,5	-42,5 -60,7	-37,4 -60,3	-18,7 -41,7	Upper threshold is -60,5 dBm

Test case: Rev. Draft 1.1 ANSI_7.3.2.1.2_least_interfered_channel
Date 10.10.2005 16:26:43

Reference to the EUT: G0M20509-9850 / GN9300

Comment: 7.3.2.1.2_a

GN9300 UPCS (Base) (single slot)
RTX Telecom A/S

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	
00:20:10.0937500	-44,1 -77,1	-38,4 -68,9	-18,8 -41,6	-40,2 -71,6	-46,6 -79,4	Interference off
00:20:24.2656250	-51,7 -58,9	-49,8 -59,3	-42,7 -59,4	-38,3 -64,4	-19,2 -42,1	Interference on, OK1
00:20:40.6406250	-18,9 -41,6	-39,8 -71,4	-46,6 -78,9	-52,1 -84,3	-59,3 -88,8	Interference off
00:20:48.1250000	-49,8 -58,9	-46,7 -59,2	-45,3 -59,5	-38,1 -64,6	-18,8 -41,8	Interference on, OK2
00:21:01.5156250	-38,5 -69	-18,9 -41,8	-40,5 -71,2	-46,9 -79,7	-52,5 -84,6	Interference off
00:21:35.1718750	-58,4 -58,9	-49,4 -59,3	-44,3 -59,5	-37,8 -64,4	-19,2 -42,2	Interference on, OK3
00:21:46.4531250	-44,3 -77,3	-38,3 -68,8	-18,8 -42,2	-40,5 -70,8	-46,5 -79,3	Interference off
00:21:53.3281250	-51,6 -58,9	-46,5 -59,2	-45,8 -59,5	-38,3 -64,7	-19,1 -42,2	Interference on, OK4
00:22:08.6875000	-38,3 -68,7	-18,7 -41,6	-40,6 -71,6	-46,4 -79,3	-52,3 -84,4	Interference off
00:22:28.5156250	-53,7 -58,9	-50,8 -59,3	-43,5 -59,5	-37,6 -64,6	-18,1 -41,6	Interference on, OK5

Test case: Rev. Draft 1.1 ANSI_7.3.2.1.2_least_interfered_channel
Date 10.10.2005 16:34:49

Reference to the EUT: G0M20509-9850 / GN9300

Comment: 7.3.2.1.2_b

GN9300 UPCS (Base) (single slot)
RTX Telecom A/S

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	
00:28:52.1875000	-38,6 -68,8	-18,6 -41,6	-40,2 -71,3	-81,7 -91,6	-82,1 -91,6	Interference off
00:28:59.2812500	-46,4 -58,9	-45,7 -59,2	-38,7 -59,2	-19,1 -42,1	-40,4 -65,5	Interference on, OK1
00:29:08.9843750	-18,8 -41,7	-40,6 -71,1	-46,1 -78,6	-52,5 -84,7	-59,4 -88,7	Interference off
00:29:31.8906250	-58,3 -59,1	-58,7 -59,2	-52,7 -59,4	-19 -42,1	-41,4 -65,9	Interference on, OK2
00:29:42.5781250	-19,1 -41,9	-40,7 -71	-46,5 -79	-52,3 -84,4	-59,8 -88,9	Interference off
00:29:49.7656250	-51 -58,9	-44,3 -59,2	-37,4 -59	-19 -42	-39,8 -65,8	Interference on, OK3
00:29:59.7187500	-38,6 -68,9	-18,9 -41,9	-39,7 -71,6	-46,5 -79,3	-52,3 -84,4	Interference off
00:30:32.2343750	-46,5 -59,1	-43 -59,2	-38,8 -59,1	-19,1 -41,9	-40,5 -65,7	Interference on, OK4
00:30:43.5156250	-38,6 -69,2	-18,4 -41,5	-40,6 -70,9	-46,6 -79,3	-52,5 -84,4	Interference off
00:30:53.2187500	-48 -58,9	-43 -59,2	-39 -59,1	-18,7 -41,8	-40,4 -65,6	Interference on, OK5

Test case	Rev. Draft 1.1 ANSI_7.3.2.1.2_least_interfered_channel Date 10.10.2005 16:50:37
Reference to the EUT	G0M20509-9850 / GN9300
Comment:	7.3.2.1.2_c
	GN9300 UPCS (Base) (single slot) RTX Telecom A/S

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	
00:43:53.6875000	-18,8 -41,6	-39,8 -71,6	-46,2 -78,8	-52,2 -84,4	-59,1 -88,7	Interference off
00:44:01.8437500	-51,6 -58,9	-47,5 -59,2	-44,8 -59,5	-38,6 -67,7	-18,7 -41,6	Interference on, OK1
00:45:23.9218750	-18,5 -41,4	-40,3 -71	-46,5 -79,2	-52 -84,1	-59,1 -88,7	Interference off
00:45:29.4218750	-58,1 -58,9	-51,9 -59,3	-43 -59,5	-38,4 -67,8	-19,2 -41,9	Interference on, OK2
00:45:55.3281250	-19 -42	-40,1 -71,1	-46,6 -79,2	-52,2 -84,2	-58,9 -88,5	Interference off
00:46:02.8281250	-50,6 -59	-51,7 -59,2	-45,3 -59,4	-38,2 -67,3	-18,7 -41,6	Interference on, OK3
00:46:34.6562500	-38,1 -68,8	-19,2 -41,9	-40,4 -71,4	-46,4 -79,1	-52,2 -84,4	Interference off
00:46:41.2656250	-53,8 -58,9	-50,5 -59,3	-45,9 -59,5	-38,3 -67,6	-18,9 -41,8	Interference on, OK4
00:47:08.4218750	-18,4 -41,6	-39,7 -71,4	-46,6 -79,2	-52,1 -84,3	-59,2 -88,6	Interference off
00:47:15.0312500	-57,5 -58,9	-46,6 -59,2	-43,7 -59,4	-38,2 -67,7	-19 -42,1	Interference on, OK5

Test case: Rev. Draft 1.1 ANSI_7.3.2.1.2_least_interfered_channel
Date 10.10.2005 16:56:11

Reference to the EUT: G0M20509-9850 / GN9300

Comment: 7.3.2.1.2_d

GN9300 UPCS (Base) (single slot)
RTX Telecom A/S

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	
00:51:01.6406250	-18,7 -41,9	-40,6 -71	-46,3 -79	-52,7 -84,6	-58,7 -88,7	Interference off
00:51:08.7343750	-46,5 -58,9	-43,5 -59,2	-38,8 -59,2	-18,4 -41,5	-40,3 -69,9	Interference on, OK1
00:51:19.8125000	-44,5 -77,4	-38,2 -68,8	-18,7 -41,5	-40 -71,2	-46,5 -79,4	Interference off
00:51:51.5000000	-48,2 -59,2	-43,7 -59,2	-38,2 -59,1	-18,5 -41,7	-40,5 -69,4	Interference on, OK2
00:52:04.0781250	-19,2 -42	-39,9 -71,5	-46,5 -78,9	-52,2 -84,2	-58,5 -88,3	Interference off
00:52:10.1875000	-51,8 -58,9	-43,4 -59,2	-39,2 -59,2	-19,2 -42,5	-40,2 -69,8	Interference on, OK3
00:52:22	-38,2 -69,1	-18,7 -41,7	-40,3 -71,3	-46,7 -79,4	-52,4 -84,4	Interference off
00:52:28.5156250	-47,3 -58,9	-44,1 -59,2	-37,5 -58,9	-19,1 -42,2	-40 -69,3	Interference on, OK4
00:52:38.2656250	-18,7 -41,5	-39,8 -71,1	-46,4 -79	-52,3 -84,5	-58,8 -88,6	Interference off
00:52:44.3125000	-47 -58,9	-45,5 -59,2	-37,5 -59,1	-18,6 -41,8	-39,8 -69,6	Interference on, OK5

Appendix L

Monitoring of intended transmit window and maximum reaction time

Test case: Rev. Draft 1.1 ANSI_7.5_reaction_time_mid_ch
Date 29.09.2005 21:06:48

Reference to the EUT: G0M20509-9850 / GN9300

Comment: 7.5_mid_ch_35, 50, 75us

GN9300 UPCS (Base) (single slot)
RTX Telecom A/S

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	
01:04:29.2812500	-37 -67,6	-17,9 -41	-39 -69,9	-44,9 -77,8	-51,2 -83,4	No interference, dummy bearer on
01:05:07.8750000	-57,4 -58,2	-57,8 -58,4	-52,8 -71,8	-58 -58,7	-57,2 -58,5	35 µs
01:05:13.3750000	-57,5 -58,1	-57,9 -58,4	-53,2 -72,1	-57,5 -58,7	-57,2 -58,6	No connection
01:06:31.5625000	-57,5 -58	-57,9 -58,4	-48,6 -67,8	-57,4 -58,7	-57,2 -58,7	50 µs
01:06:36.7968750	-57,5 -58	-57,8 -58,4	-49,3 -68,2	-57,3 -58,7	-57,2 -58,5	No connection
01:07:51.5468750	-57,5 -58,3	-57,8 -58,4	-44,5 -61,1	-57,3 -58,5	-57,3 -58,7	75 µs on the start of slot
01:07:54.5937500	-57,5 -58,2	-57,8 -58,4	-44,3 -60,7	-57,3 -58,5	-57,2 -58,8	No connection
01:08:59.0156250	-57,5 -58,3	-57,9 -58,4	-43,8 -61	-57,3 -58,4	-58,2 -58,8	75 µs on the mid. of slot
01:09:00.6718750	-57,5 -58,2	-57,9 -58,4	-43,9 -60,9	-58 -58,8	-57,2 -58,2	No connection
01:10:10.0312500	-57,5 -58	-57,8 -58,4	-43,8 -61,1	-58 -58,8	-57,2 -58,2	75 µs on the end of slot
01:10:13.1562500	-57,5 -58,2	-57,8 -58,4	-44,2 -61,3	-57,5 -58,7	-57,2 -58,4	No connection

Test case: Rev. Draft 1.1 ANSI_7.5_reaction_time_low_ch
Date 29.09.2005 20:56:42

Reference to the EUT: G0M20509-9850 / GN9300

Comment: 7.5_low_ch_50, 35, 75us

GN9300 UPCS (Base) (single slot)
RTX Telecom A/S

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	
00:48:26.8906250	-42,9 -75,9	-36,9 -67,6	-18 -41,6	-39,3 -69,9	-45,3 -78,2	Nio interference, dammy bearer on
00:49:39.1562500	-54 -69,3	-57,6 -58,2	-57,6 -58,3	-57,4 -58,5	-58,1 -58,8	35 µs
00:49:40.8125000	-54 -69,2	-57,6 -58,2	-57,5 -58,2	-57,4 -58,5	-57,2 -58,5	No connection
00:53:32.1406250	-48,5 -64,8	-57,7 -58,2	-57,6 -58,4	-57,4 -58,5	-58,1 -58,8	50 µs
00:53:34.3593750	-48,4 -64,7	-57,5 -58,2	-57,5 -58,3	-57,3 -58,5	-57,3 -58,7	No connection
00:55:06.4218750	-43,1 -58,1	-57,4 -58,2	-57,5 -58,4	-57,4 -58,5	-58,1 -58,8	75 µs on the start of slot
00:55:12.7656250	-43,1 -58,2	-57,5 -58,2	-57,6 -58,4	-57,5 -58,6	-57,2 -58,8	No connection
00:56:13.0156250	-44,1 -58,2	-57,6 -58,2	-57,5 -58,4	-57,5 -58,6	-57,3 -58,4	75 µs on the mid. of slot
00:56:15.6875000	-44,1 -58,4	-57,6 -58,2	-57,6 -58,3	-58,1 -58,7	-57,3 -58,5	No connection
00:59:32.7656250	-42,9 -57,5	-57,5 -58,2	-57,8 -58,5	-57,4 -58,4	-58 -58,8	75 µs on the end of slot
00:59:37.3593750	-42,9 -57,5	-57,5 -58,2	-57,6 -58,4	-57,4 -58,5	-57,3 -58,6	No connection

Test case: Rev. Draft 1.1 ANSI_7.5_reaction_time_high_ch
Date 29.09.2005 20:40:08

Reference to the EUT: G0M20509-9850 / GN9300

Comment: 7.5_high_ch_50, 35, 75us

GN9300 UPCS (Base) (single slot)
RTX Telecom A/S

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	
00:32:59.0468750	-46,9 -79,8	-42,8 -75,7	-36,7 -67,2	-18 -40,9	-38,7 -69,3	No interference, dummy bearer on
00:33:40.5312500	-57,5 -58	-57,8 -58,4	-57,9 -58,6	-57,4 -58,6	-52,6 -68,7	50 µs
00:33:45.1250000	-57,4 -58	-57,9 -58,4	-57,6 -58,6	-58,1 -58,9	-52,5 -68,6	No connection
00:39:10.4843750	-57,6 -58	-57,9 -58,4	-58 -58,7	-58,1 -59	-48,4 -68,5	35 µs
00:39:12.7812500	-57,5 -58,1	-57,8 -58,4	-57,8 -58,6	-57,4 -58,5	-48,9 -68,7	No connection
00:41:14.8750000	-57,5 -58,1	-57,8 -58,4	-57,9 -58,6	-57,4 -58,5	-42,8 -57,7	75 µs on the start of slot
00:41:19.7500000	-57,4 -58,1	-57,8 -58,4	-57,9 -58,7	-57,4 -58,6	-42,3 -57,6	No connection
00:42:20.7812500	-57,5 -58	-57,8 -58,4	-57,9 -58,7	-57,5 -58,7	-43 -57,1	75 µs on the mid.of slot
00:42:23.7187500	-57,5 -58	-57,8 -58,4	-57,9 -58,7	-57,4 -58,7	-43 -57,2	No connection
00:43:32.8437500	-57,5 -58	-57,8 -58,4	-57,9 -58,7	-57,2 -58,6	-43,1 -57,9	75 µs on the end of slot
00:43:34.8593750	-57,4 -58	-57,8 -58,4	-57,7 -58,7	-57,4 -58,5	-43,2 -58,2	No connection

Appendix M

Monitoring band width

Test case: Rev. Draft 1.1 ANSI_7.4.1_monitoring_bandwidth
Date 29.09.2005 20:12:55

Reference to the EUT: G0M20509-9850 / GN9300

Comment: 7.4.1 simple compliance test_low mid. high_+/-30%

GN9300 UPCS (Base) (single slot)
RTX Telecom A/S

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	
00:09:35.6875000	-18 -41,1	-38,8 -69,3	-45 -77,5	-50,6 -83	-58,2 -87,7	No interference, dummy bearer on
00:10:20.5937500	-82 -90,7	-57,6 -58,2	-57,6 -58,5	-58 -58,8	-58,1 -58,9	Low, -30%
00:11:25.9218750	-81,9 -90,8	-57,6 -58,2	-57,5 -58,3	-57,4 -58,6	-57,2 -58,7	No connection
00:11:30.9843750	-80,9 -90,7	-57,6 -58,2	-57,6 -58,4	-57,4 -58,5	-58,2 -58,8	Low, +30%
00:12:24.6718750	-57,5 -58,1	-57,9 -58,4	-81,6 -90,7	-57,3 -58,6	-58,2 -58,9	No connection
00:12:30.1093750	-57,6 -58,1	-57,9 -58,4	-79,8 -90,6	-57,4 -58,6	-57,3 -58,7	Mid., -30%
00:13:22.3437500	-57,6 -59,5	-57,8 -58,4	-81,4 -90,6	-58,1 -58,7	-57,2 -58,4	No connection
00:13:25.2968750	-57,6 -59,5	-57,8 -58,4	-81,5 -90,9	-57,4 -58,5	-57,3 -58,7	Mid., +30%
00:14:35.2187500	-57,4 -58	-57,9 -58,4	-58,1 -58,7	-57,5 -58,6	-80,8 -90,7	No connection
00:14:37.9843750	-57,5 -58,1	-57,8 -58,4	-58,1 -58,7	-57,5 -58,4	-80,8 -90,8	High, -30%
00:15:44.9843750	-57,5 -58,1	-57,8 -58,4	-57,7 -58,6	-57,6 -58,8	-81,3 -91	No connection
00:15:49.4843750	-57,5 -58,2	-57,8 -58,4	-57,6 -58,4	-57,6 -58,7	-81,2 -90,7	High, +30%
00:15:53.9843750	-57,5 -58,1	-57,8 -58,4	-57,7 -58,6	-57,6 -58,8	-81,3 -91	No connection

Appendix N

Random waiting interval

Appendix O

Duration of Transmission

Test case ANSI_8.2.2._Transmission_duration_PP_only

Rev. Draft 1.1

Date 27.09.2005 21:57:00

Reference to the EUT G0M20509-9850 / GN9300

Comment: initial setup

GN9300 UPCS Headset (single slot)
RTX Telecom A/S

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

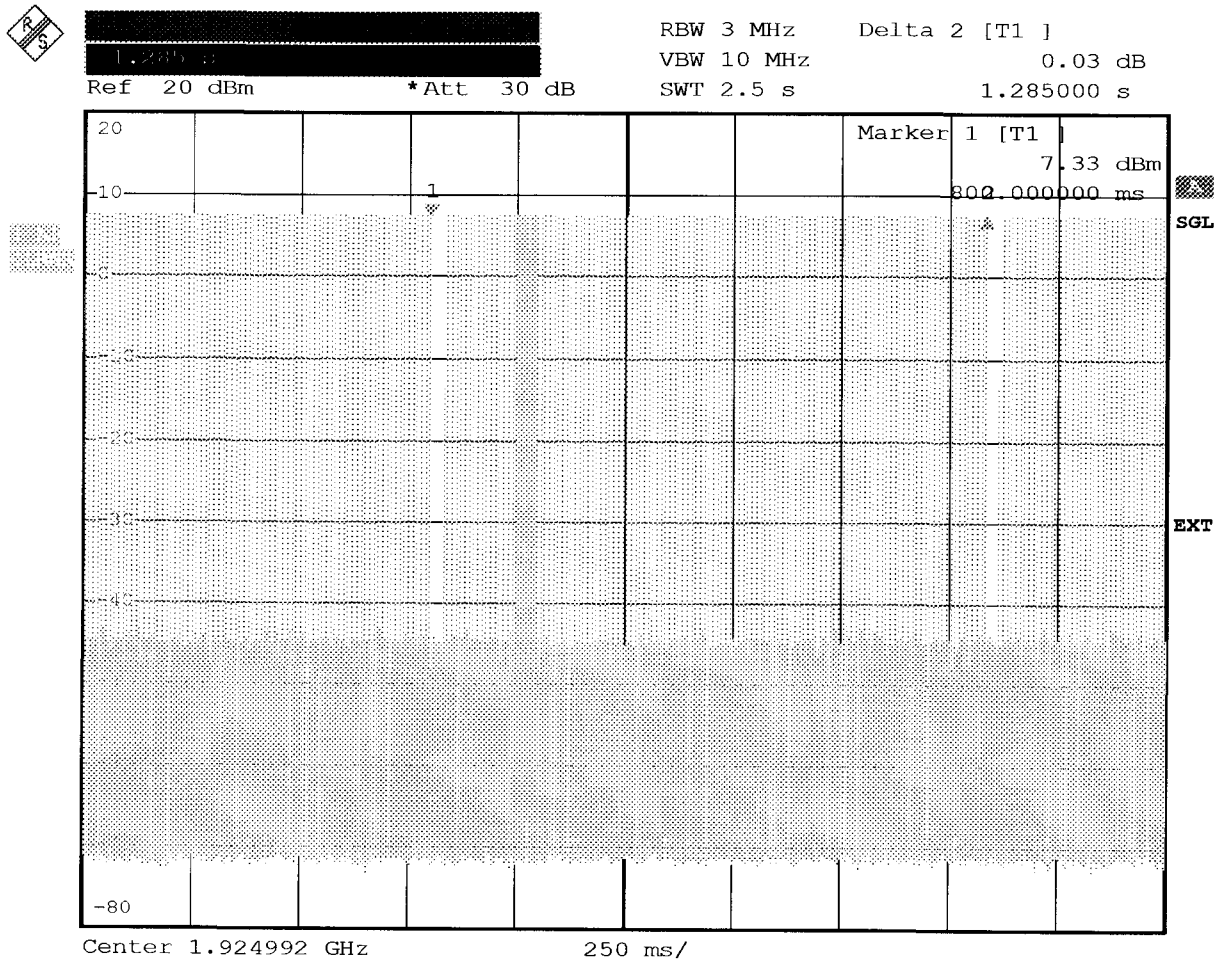
Time stamp	1921.536 MHZ	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	
	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	
00:01:37.5156250	-82,2 -91,5	-82,2 -91,4	-81,7 -91,5	-52,3 -75,7	-82,1 -91,5	
00:01:43.3125000	-46,8 -79,2	-40,2 -66,7	-17,9 -37,3	-42,1 -72	-48,3 -80,5	
00:06:47.2343750	-46,9 -79,6	-40,2 -66,5	-18 -37,5	-42 -72,2	-48,1 -80,4	
00:11:47.2031250	-17,5 -37,4	-41,8 -72,6	-48,1 -80,3	-53,6 -84,8	-60 -87,4	Change to ch 4
00:16:47.2343750	-18,1 -37,9	-41,6 -72,4	-48,1 -80,2	-53,5 -84,6	-59,9 -87,9	
00:21:47.2343750	-17,8 -38	-41,5 -72,7	-48,3 -80,4	-53,8 -85,2	-59,3 -87,8	
00:26:47.2500000	-17,8 -37,6	-41,7 -72	-47,8 -80	-53,6 -85	-58,9 -87,8	
00:31:47.2343750	-40,3 -66,4	-18,2 -37,8	-41,6 -71,8	-48,4 -80,7	-53,4 -84,5	Change to ch 3
00:36:47.2656250	-40,1 -67,1	-18,1 -37,4	-41,7 -72,4	-48,3 -80,6	-53,7 -84,8	

Appendix P

Connection acknowledgement

ANSI 8.1 Unacknowledged Transmissions
UPCS1900

EUT	GN9300
Model	GN9300 UPCS (Base, single slot)
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS
Test Specification	ANSI C63.17-1998 Revision Draft 1.1
Comment 1	break after 1,28 seconds
Comment 2	limit 30 se.
Comment 3	verdict pass

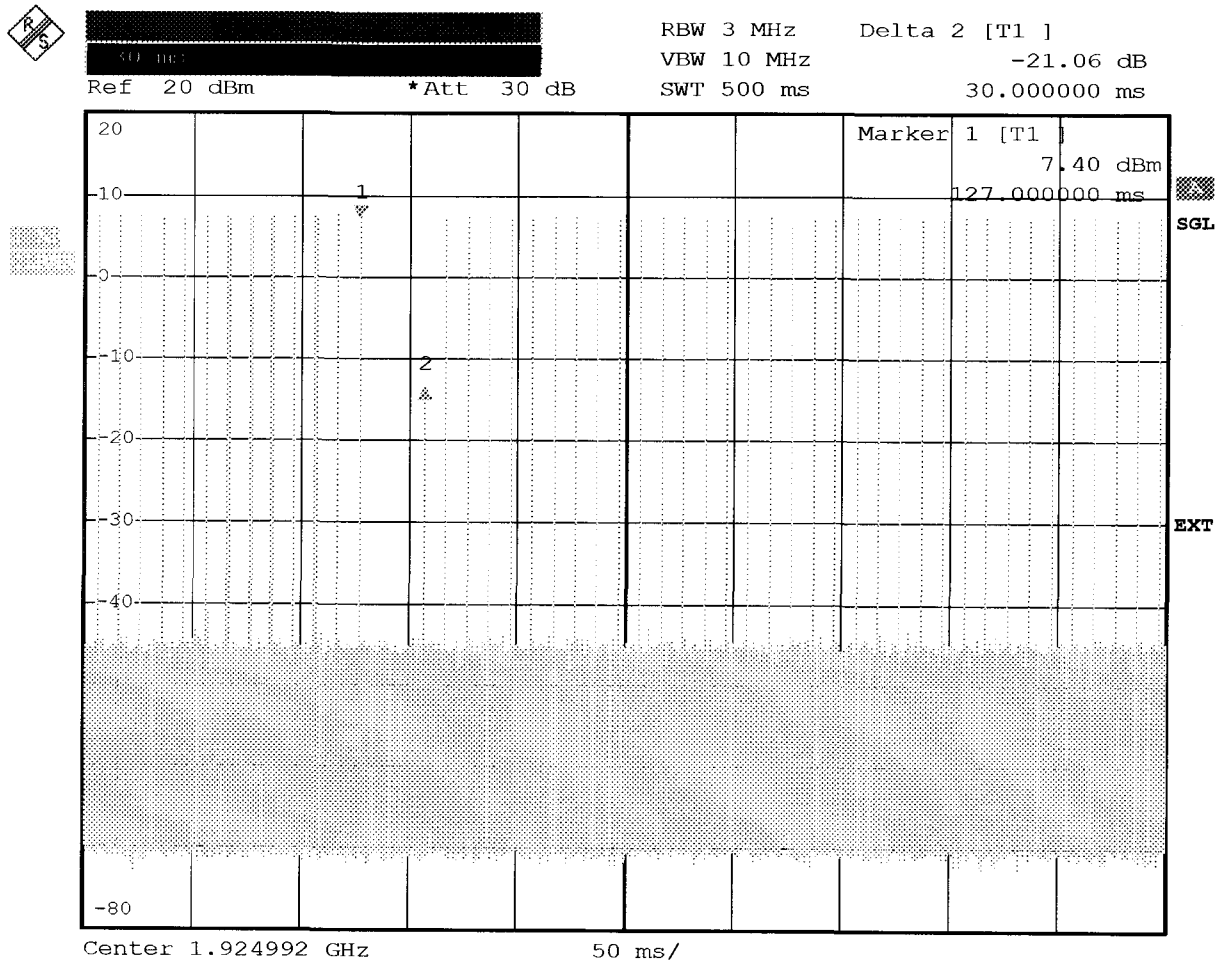


Comment: ANSI C63.17-1998
Date: 26.AUG.2005 22:34:55

Measurement diagram

ANSI 8.1 Unacknowledged Transmissions
UPCS1900

EUT	GN9300
Model	GN9300 UPCS (Base, single slot)
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS
Test Specification	ANSI C63.17-1998 Revision Draft 1.1
Comment 1	pause length = 30ms
Comment 2	limit 10ms
Comment 3	verdict pass



Comment: ANSI C63.17-1998
Date: 26.AUG.2005 22:37:11

Measurement diagram

Test case transmissions_FP — Rev. Draft 1.1 ANSI_8.1.3_Unacknowledged

Date 29.09.2005 21:16:14

Reference to the EUT — G0M20509-9850 / GN9300

Comment: — 8.1.3_limit 20 seconds

GN9300 UPCS (Base) (single slot)
RTX Telecom A/S

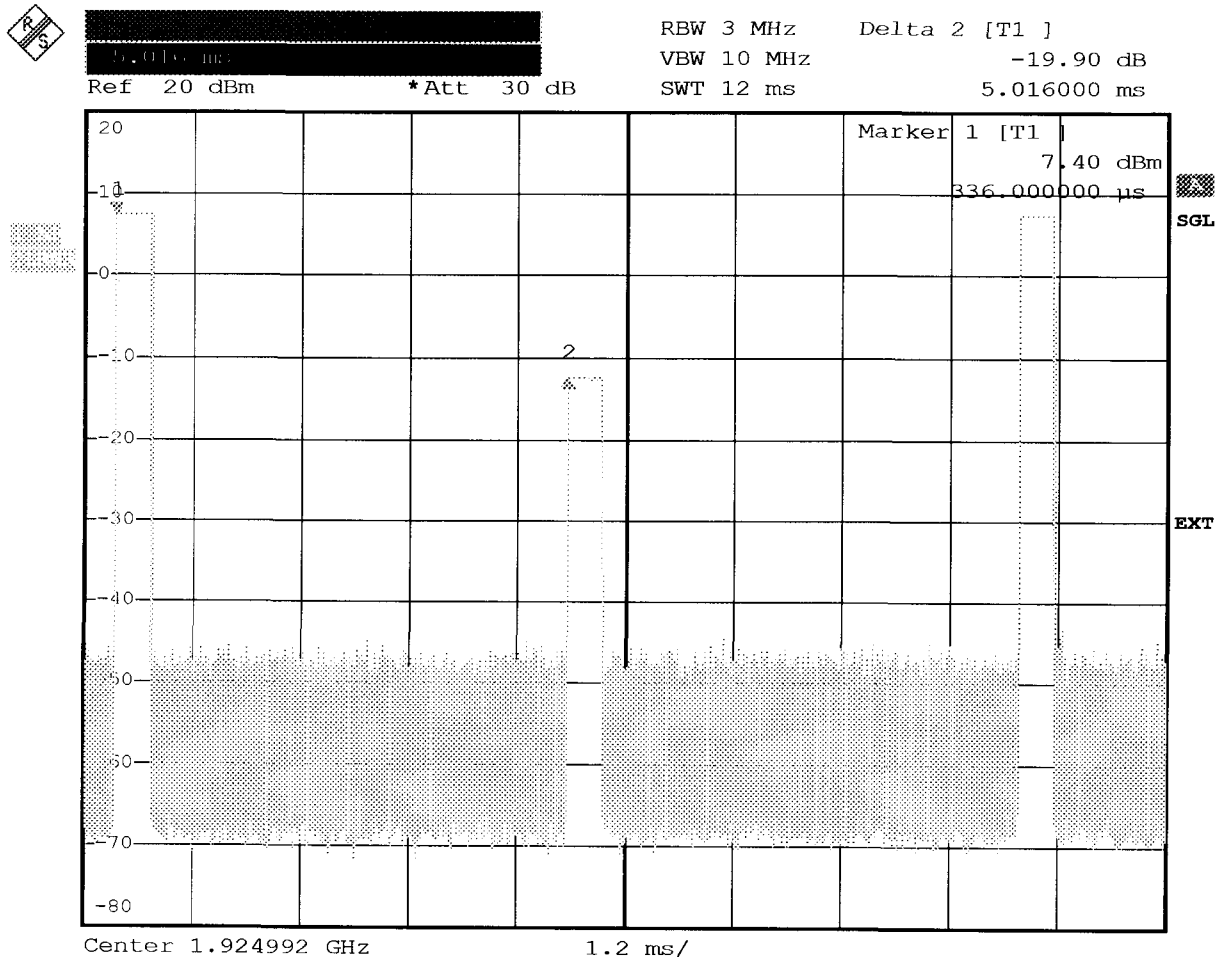
The LOG table shows the level changes on each Channel of the transmission system

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	
00:00:32.6562500	-36,3 -67,1	-17,5 -40,5	-38,9 -69,4	-44,8 -77,8	-50,9 -83,1	Dummy bearer on ch.3
00:00:32.9375000	-36,4 -67,4	-17,7 -41,1	-80,8 -90,8	-65,3 -90,1	-51,1 -83,2	Interference on ch. 3
00:00:33.0312500	-36,5 -67,3	-17,5 -40,9	-39,2 -69,5	-45 -77,8	-51,1 -83,3	
00:00:35.5000000	-36,7 -67,3	-17,6 -40,6	-81,5 -90,9	-80,9 -90,9	-51,3 -83,6	
00:00:35.5937500	-36,5 -67,3	-17,6 -41,1	-38,6 -69,3	-44,9 -77,9	-51,1 -83,2	
00:00:36.7812500	-36,7 -67,3	-81,3 -90,8	-81,5 -90,8	-66 -90,2	-50,9 -83	
00:00:36.9062500	-36,3 -67,2	-17,7 -41,1	-38,5 -69,3	-45,3 -78,3	-51,3 -83,4	
00:00:38.0312500	-36,6 -67,3	-17,7 -40,6	-38,6 -69,2	-45,2 -78,2	-81,8 -90,8	
00:00:38.1250000	-36,3 -67,1	-17,1 -40,4	-39,2 -69,8	-45,2 -78,1	-50,9 -83,1	
00:00:40.5937500	-36,3 -67,3	-17,5 -40,6	-38,9 -69,3	-45,3 -78,2	-81,2 -90,7	
00:00:40.6875000	-36,8 -67,5	-17,8 -40,8	-39,3 -70,3	-44,8 -77,6	-51,2 -83,4	
00:00:40.8750000	-36,4 -67,3	-17,8 -40,7	-38,7 -70,5	-45,3 -78,2	-51,4 -83,6	
00:00:43.1406250	-36,7 -67,3	-17,9 -40,6	-38,9 -69,8	-45,5 -78,3	-80,9 -90,8	
00:00:43.2500000	-36,6 -67,5	-17,7 -40,7	-39,2 -69,1	-39,5 -69	-18 -40,9	
00:00:47.1093750	-51,6	-49,6	-42,7	-36,2	-17,9	Change to

	-83,7	-58,3	-75,7	-67,2	-41,2	ch. 0 after 13 sec.

ANSI 8.2.1 Acknowledgments
1 sec. criteria

EUT	GN9300
Model	GN9300 UPCS (Base, single slot)
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS
Test Specification	ANSI C63.17-1998 Revision Draft 1.1
Comment 1	The transmit time without acknowledgment is 5 msec.
Comment 2	limit 1 se.
Comment 3	verdict pass

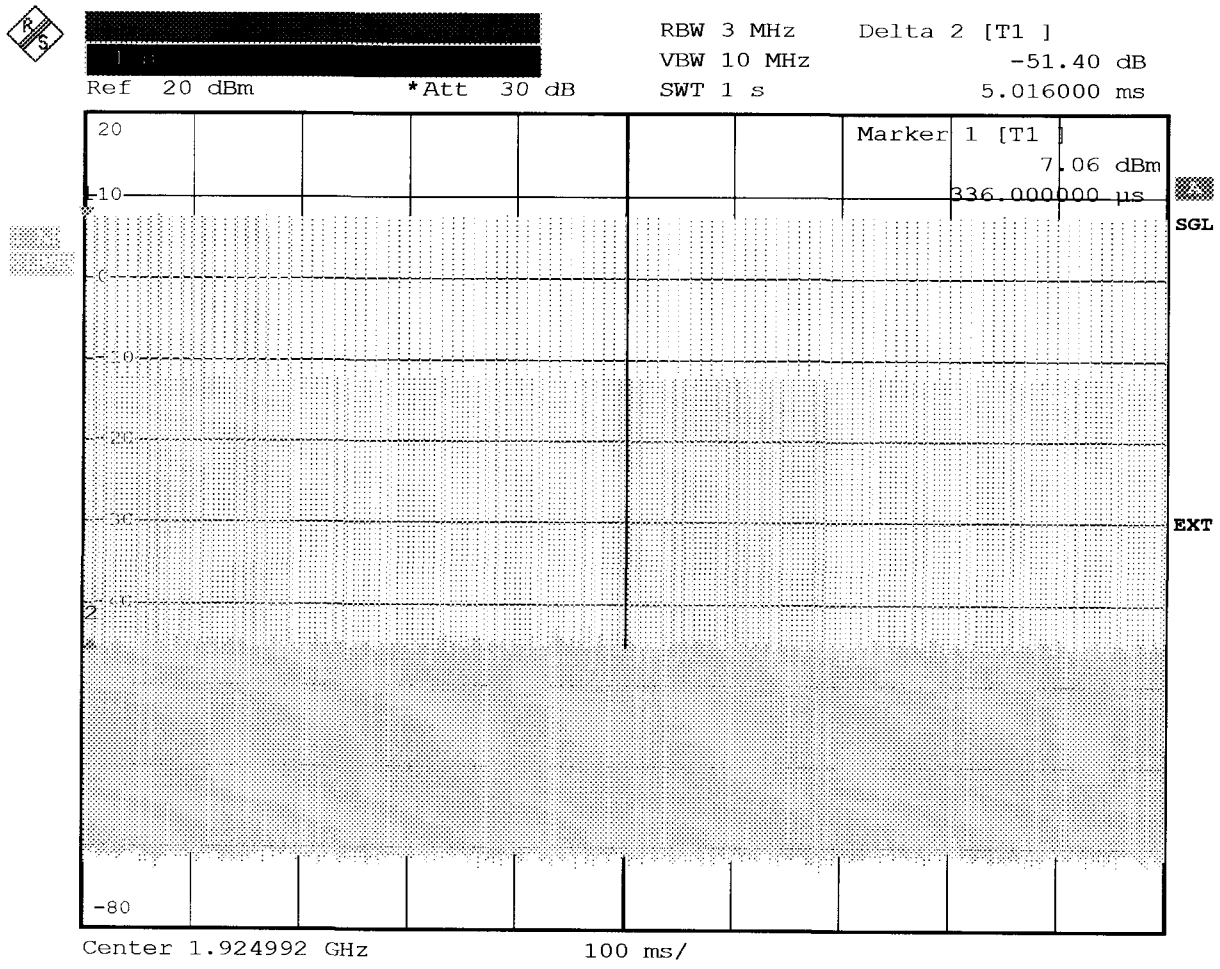


Comment: ANSI C63.17-1998
Date: 26.AUG.2005 22:42:48

Measurement diagram

ANSI 8.2.1 Acknowledgments
1 sec. criteria

EUT	GN9300
Model	GN9300 UPCS (Base, single slot)
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS
Test Specification	ANSI C63.17-1998 Revision Draft 1.1
Comment 1	The transmit time without acknowledgment is 5 msec.
Comment 2	limit 1 se.
Comment 3	verdict pass



Comment: ANSI C63.17-1998
Date: 26.AUG.2005 22:44:24

Measurement diagram

Test case: Rev. Draft 1.1 ANSI_8.2.1_Acknowledgments_30s
Date 29.09.2005 21:34:36

Reference to the EUT: G0M20509-9850 / GN9300

Comment: 8.2.1 Acknowledgments

GN9300 UPCS (Base) (single slot)
RTX Telecom A/S

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	
00:00:41.5156250	-43,1 -69,8	-36,9 -64,3	-17 -34,4	-38,9 -65,7	-45,5 -70,7	Connection on channel 2
00:00:41.6406250	-42,8 -69,7	-37 -64,3	-17,7 -34,6	-40,1 -66	-45,1 -70,9	
00:00:42.1718750	-43,1 -69,8	-37,1 -64,7	-17,8 -36,7	-39,3 -65,5	-45,5 -71	Turn off the companion device
00:00:42.8906250	-43,2 -69,9	-37 -64,5	-18,1 -37,6	-39,8 -65,8	-45,5 -70,9	
00:00:43.9375000	-42,9 -69,9	-37,2 -65	-17,6 -36,7	-39,7 -65,9	-44,8 -70,9	
00:00:44.3281250	-43,2 -69,8	-36,9 -64,3	-18,1 -37,1	-39,1 -66	-45,1 -71	
00:00:45.4062500	-42,4 -69,6	-37 -64,2	-18,2 -37,6	-39 -65,6	-45,6 -71,1	
00:00:45.5000000	-42,7 -69,7	-37,1 -64,4	-17,8 -36,6	-39 -66	-45,6 -71	
00:00:47.0937500	-42,9 -69,7	-37,1 -64,7	-17,8 -37,6	-38,8 -65,6	-45,1 -71	
00:00:47.2343750	-43,1 -69,8	-57,4 -71,1	-17,9 -40,9	-39,6 -68,1	-45,8 -71,1	Traffic bearer released, dummy bearer established
00:00:47.3593750	-42,5 -69,6	-37,2 -66,1	-17,7 -40,7	-39,3 -67,8	-45 -71	

Appendix Q

Selected channel, power accuracy, segment occupancy

Test case confirmation	Rev. Draft 1.1 ANSI_7.3.1.2_selected channel
	Date 10.10.2005 17:33:30
Reference to the EUT	G0M20509-9850 / GN9300
Comment:	initial setup
	GN9300 UPCS (Base) (single slot) RTX Telecom A/S

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 (f1)	1928.448 MHz (f2)	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	
01:27:41.8437500	-38,6 -69,3	-18,7 -41,6	-39,8 -71,4	-46,5 -79,4	-52,5 -84,5	Interferer off
01:28:30.7656250	-48,1 -58,9	-43 -59,2	-37,5 -59	-19 -41,7	-40,5 -65,4	Interferer on
01:29:08.0156250	-57,5 -59,2	-47,2 -59,2	-46 -59,4	-38 -67,3	-19,3 -41,9	f2 switch off, Dummy bearer on f2
01:29:20.0156250	-51,2 -58,9	-43,3 -59,2	-37,5 -59	-19,2 -41,9	-41,2 -65,8	f2 switch on, Dummy bearer on f1