Appendix B

Coordination with fixed microwave service

UTAM, Inc.

Affidavit of Participation

FCC Section 15.307(b) Affidavit

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

NEC Philips Unified Solutions Nederland B.V.

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 26th day of April, 2007

Michael Stima, Managing Director
UTAM, Inc.
822 Dow Rd.
P.O. Box 8126
Bridgewater, New Jersey 08807
Tel: (508) 526-3636

Affidavit #: NEC042607

Appendix C

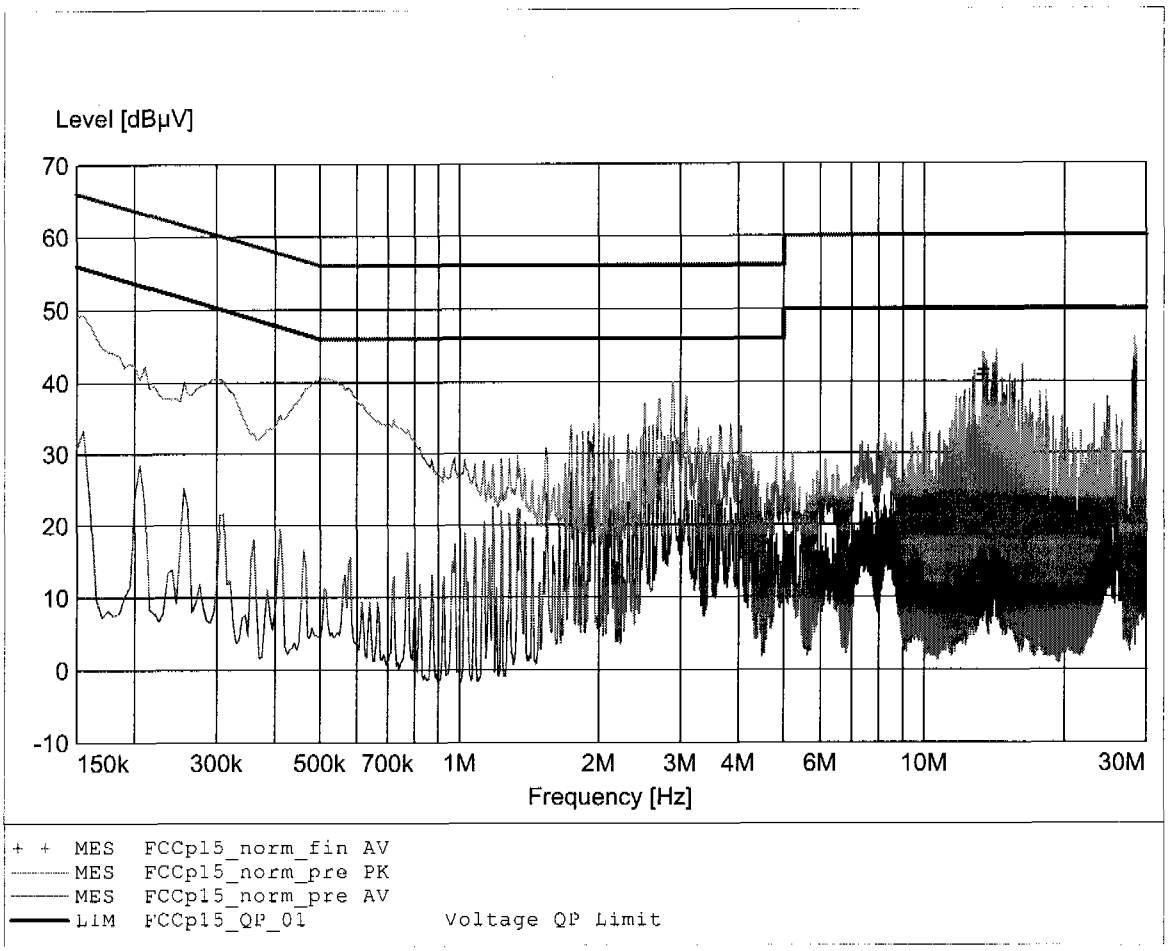
Reference to Subpart B

Appendix D

Conducted limits AC Power line

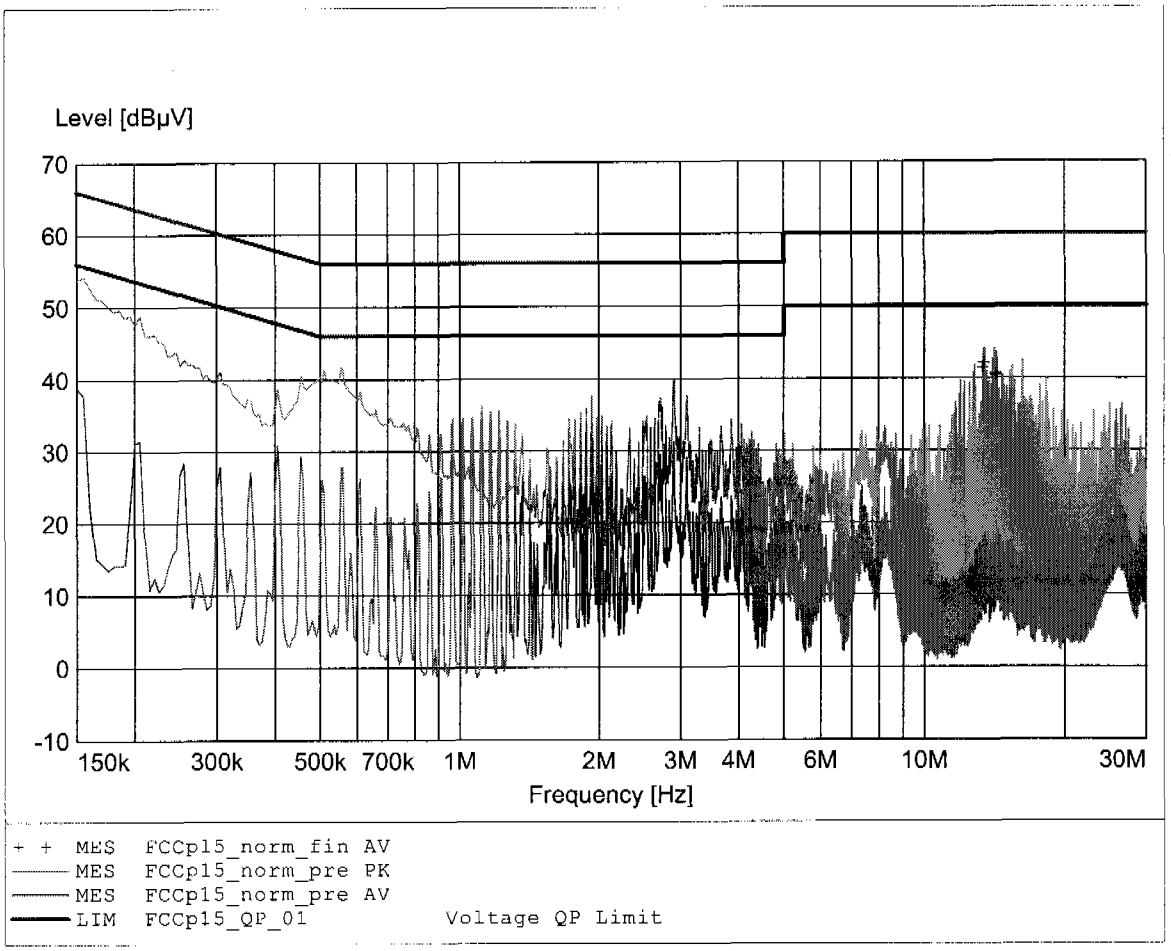
EMI voltage test in the ac-mains according to FCC part 15

EUT:	3 IP DECT Basestation models
Manufacturer:	NEC Philips Unified Solutions Nederland B.V.
Reference:	Unom: 120 V AC (AC/DC-ADAPTOR), Tnom: 23°C
Test Site:	ETS
Operator:	Mr. Mees
Test Specification:	V-Network: ESH2-Z5 (L1)
	model: AP200S NA
	Adaptor: PAS16U-480(POE)



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

EUT:	3 IP DECT Basestation models
Manufacturer:	NEC Philips Unified Solutions Nederland B.V.
Reference:	Unom: 120 V AC (AC/DC-ADAPTOR), Tnom: 23°C
Test Site:	ETS
Operator:	Mr. Mees
Test Specification:	V-Network: ESH2-Z5 (N)
	model: AP200S NA
	Adaptor: PSA16U-480(POE)



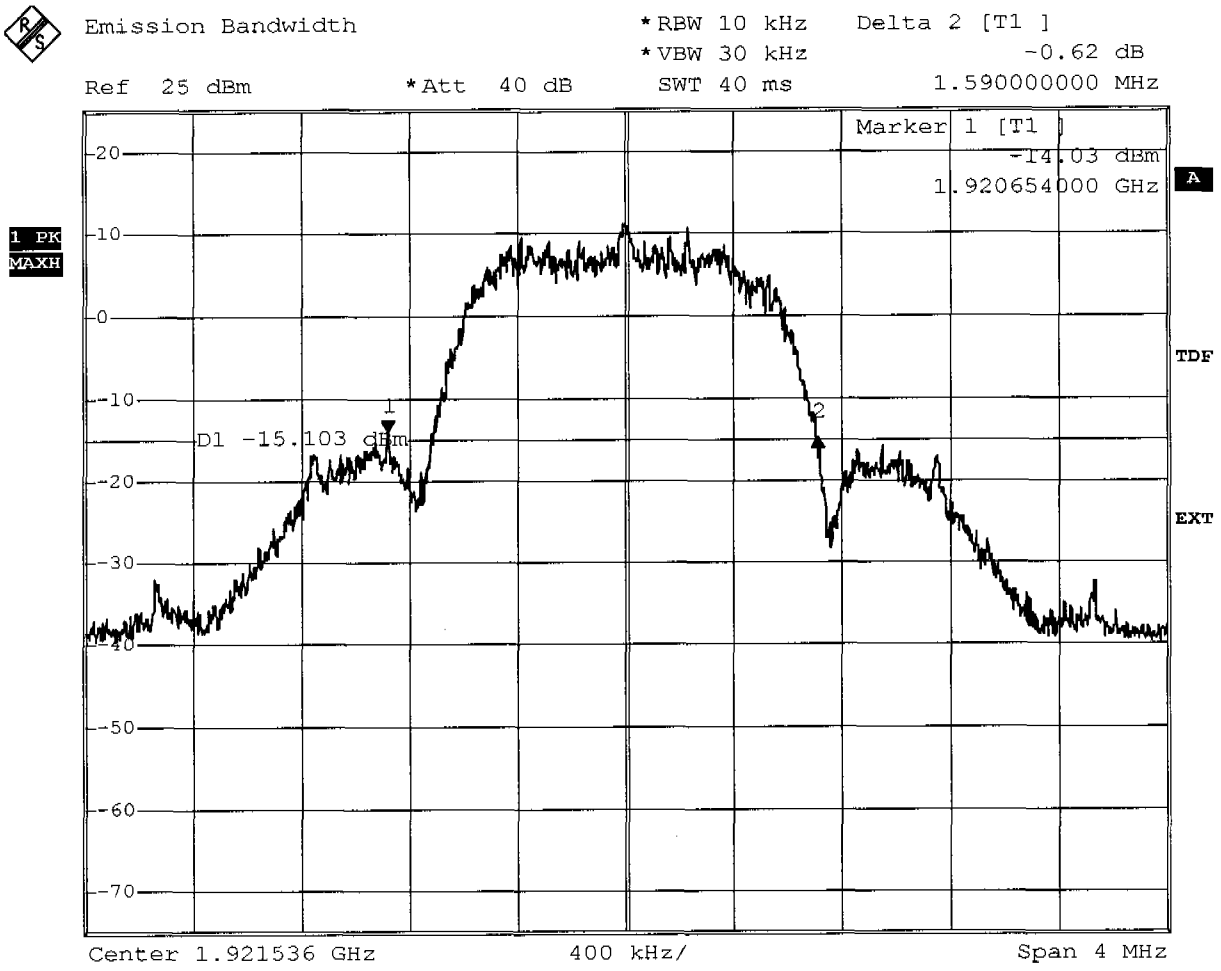
Appendix E

Emission bandwidth

FCC Part 15.303(b) Emission bandwidth

Testprocedure ANSI 63.17-1998 6.1.3
UPCS

EUT	3 IP DECT Basestation models
Model	AP200 NA / AP200S NA / AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.3 Emission bandwidth
Measured Bandwidth	Emission Bandwidth = 1.59MHz
Max. Permitted Power	Limit = 2.5 MHz
Test result	Verdict = PASS



Comment: Ansi C63.17-1998 6.1.3
Date: 27.NOV.2006 10:02:34

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 : 1921.016MHz
Higher frequency : 1921.978MHz

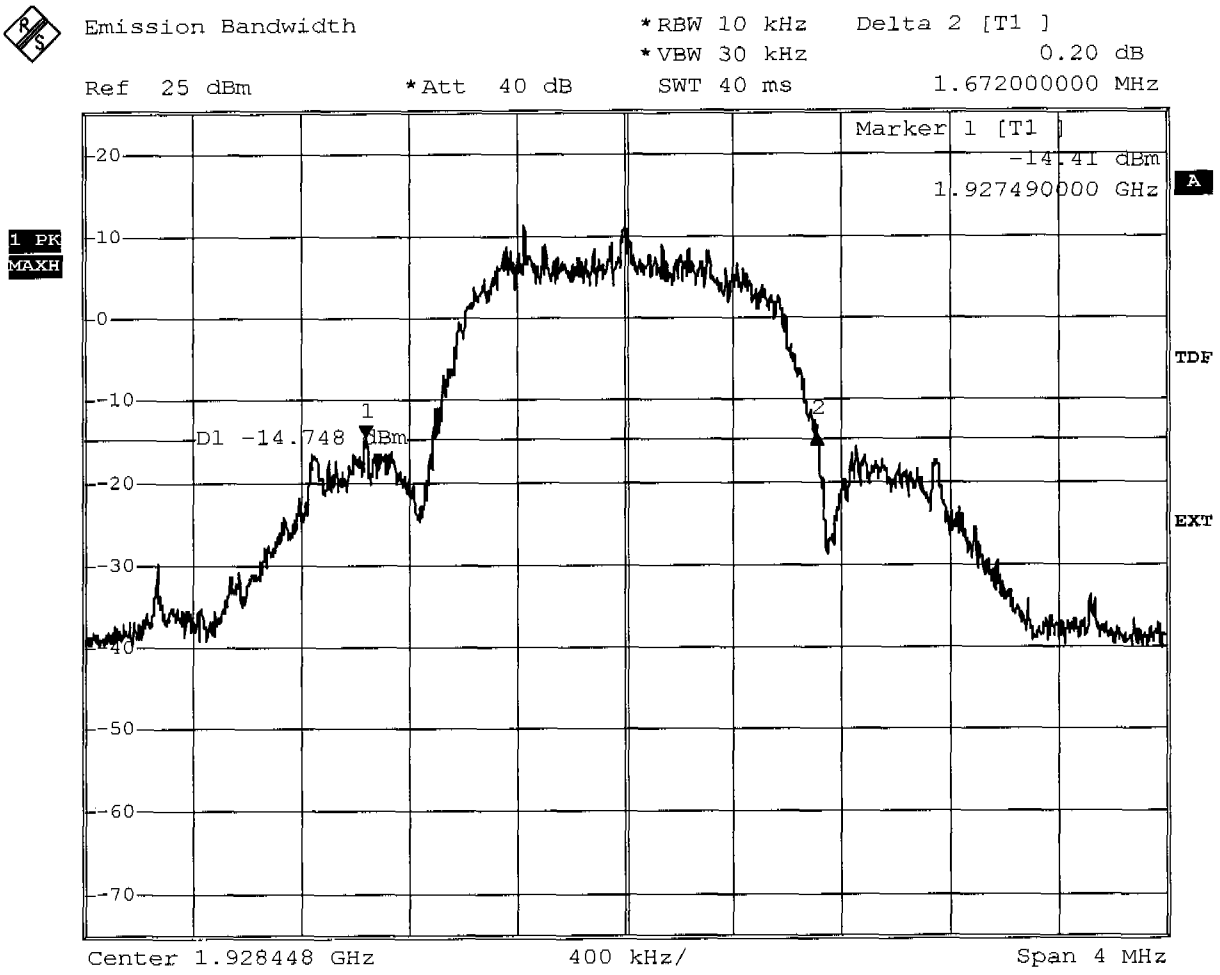
-12 dB points

Lower frequency : 1920.938MHz
Higher frequency : 1922.128MHz

FCC Part 15.303(b) Emission bandwidth

Testprocedure ANSI 63.17-1998 6.1.3
UPCS

EUT	3 IP DECT Basestation models
Model	AP200 NA / AP200S NA / AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.3 Emission bandwidth
Measured Bandwidth	Emission Bandwidth = 1.67MHz
Max. Permitted Power	Limit = 2.5 MHz
Test result	Verdict = PASS



Comment: Ansi C63.17-1998 6.1.3
Date: 27.NOV.2006 10:07:08

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 : 1927.972MHz
Higher frequency : 1928.902MHz

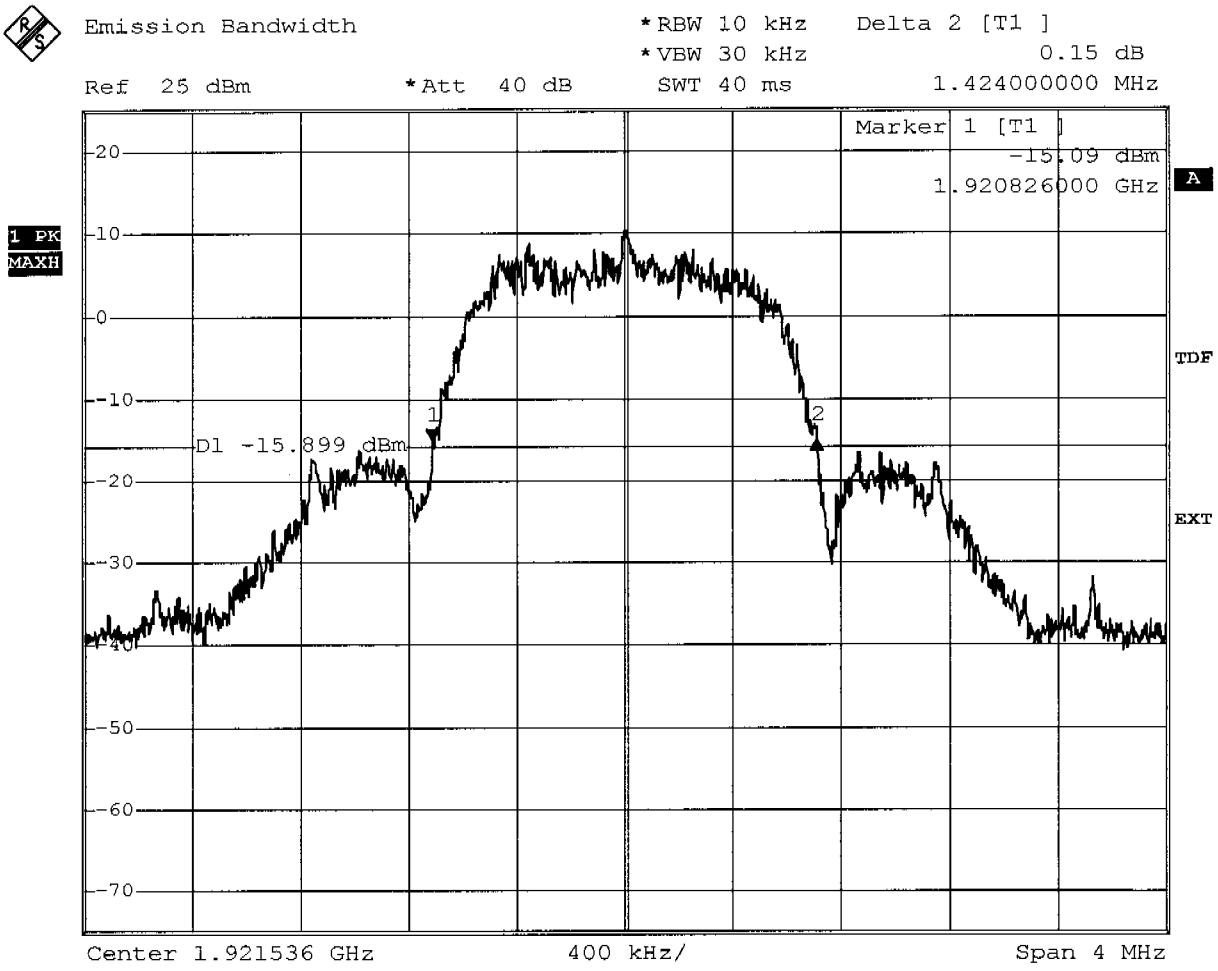
-12 dB points

Lower frequency : 1927.836MHz
Higher frequency : 1929.048MHz

FCC Part 15.303(b) Emission bandwidth

Testprocedure ANSI 63.17-1998 6.1.3
UPCS

EUT	3 IP DECT Basestation models
Model	AP200 NA / AP200S NA / AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.3 Emission bandwidth
Measured Bandwidth	Emission Bandwidth = 1.42MHz
Max. Permitted Power	Limit = 2.5 MHz
Test result	Verdict = PASS



Comment: Ansi C63.17-1998 6.1.3
Date: 29.NOV.2006 08:21:40

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 : 1921.046MHz
Higher frequency : 1922.016MHz

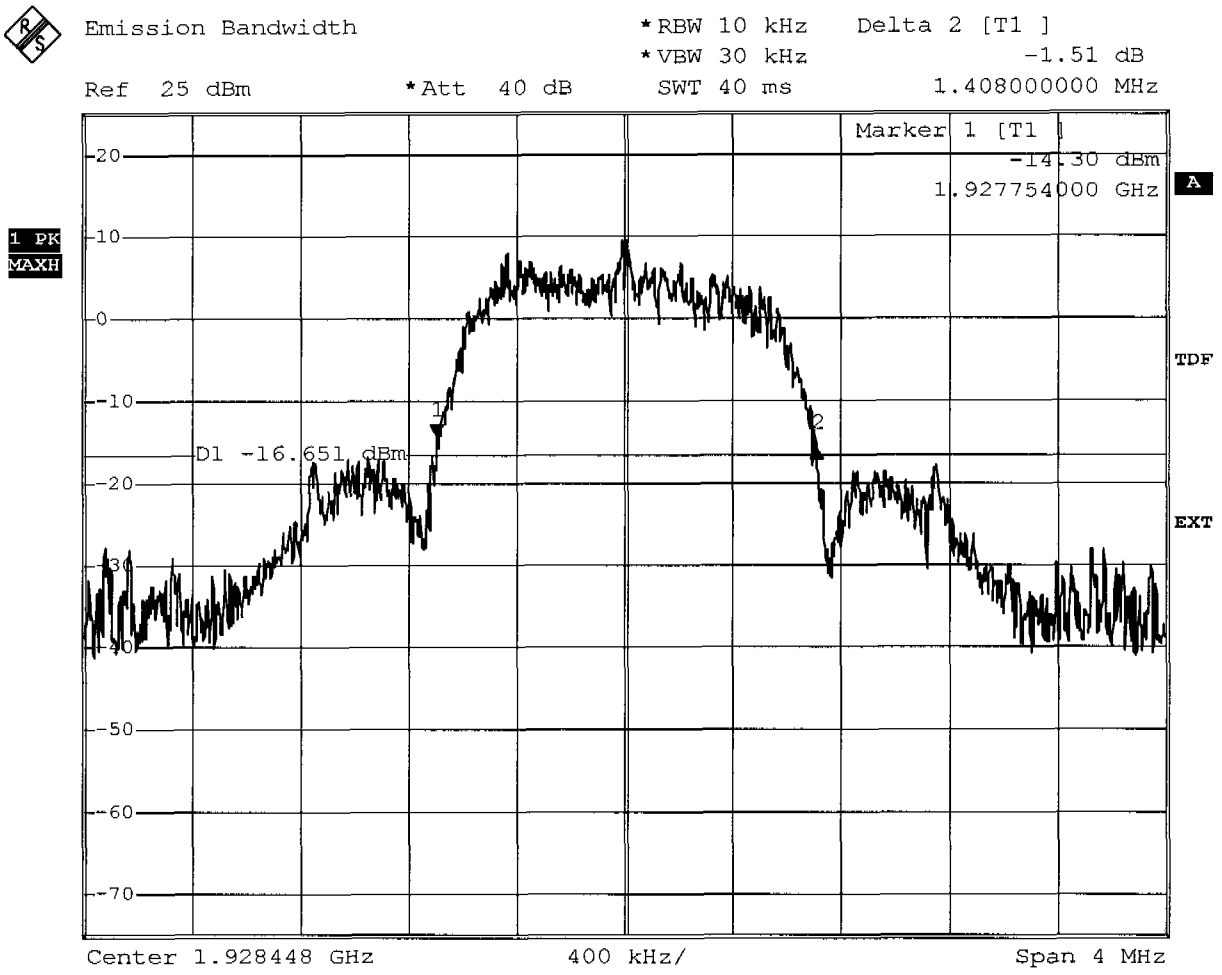
-12 dB points

Lower frequency : 1920.948MHz
Higher frequency : 1922.144MHz

FCC Part 15.303(b) Emission bandwidth

Testprocedure ANSI 63.17-1998 6.1.3
UPCS

EUT	3 IP DECT Basestation models
Model	AP200 NA / AP200S NA / AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.3 Emission bandwidth
Measured Bandwidth	Emission Bandwidth = 1.41MHz
Max. Permitted Power	Limit = 2.5 MHz
Test result	Verdict = PASS



Comment: Ansi C63.17-1998 6.1.3
Date: 29.NOV.2006 08:58:11

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 : 1927.954MHz
Higher frequency : 1928.956MHz

-12 dB points

Lower frequency : 1927.852MHz
Higher frequency : 1929.038MHz

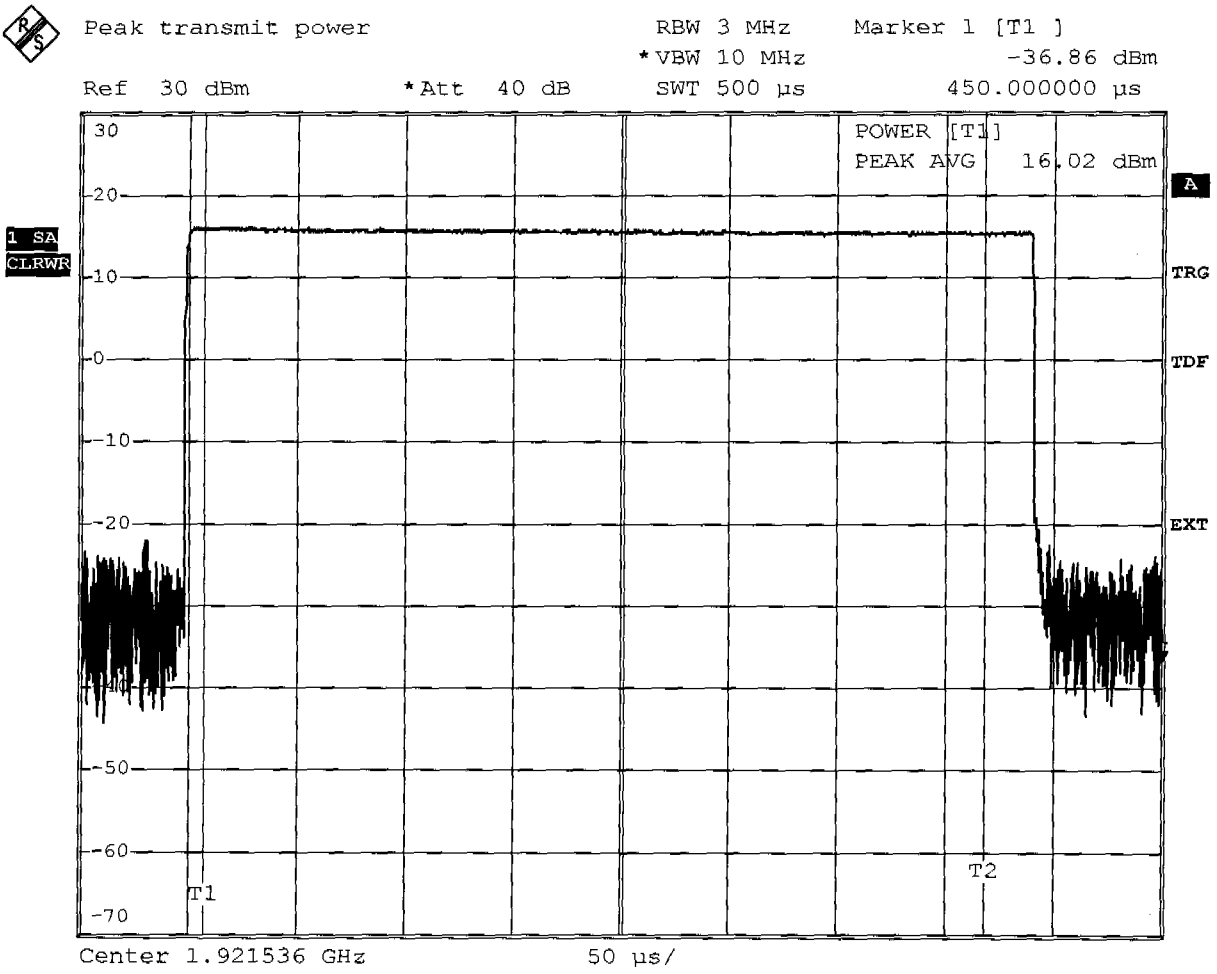
Appendix F

Peak Transmit Power

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
UPCS

EUT	3 IP DECT Basestation models
Model	AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vnom
Measured Bandwidth	1.672MHz
Max. Permitted Power	21,11 dBm – (8- 3)= 16.11 dBm
Measured Power	16,02 dBm
Test result	Verdict = PASS



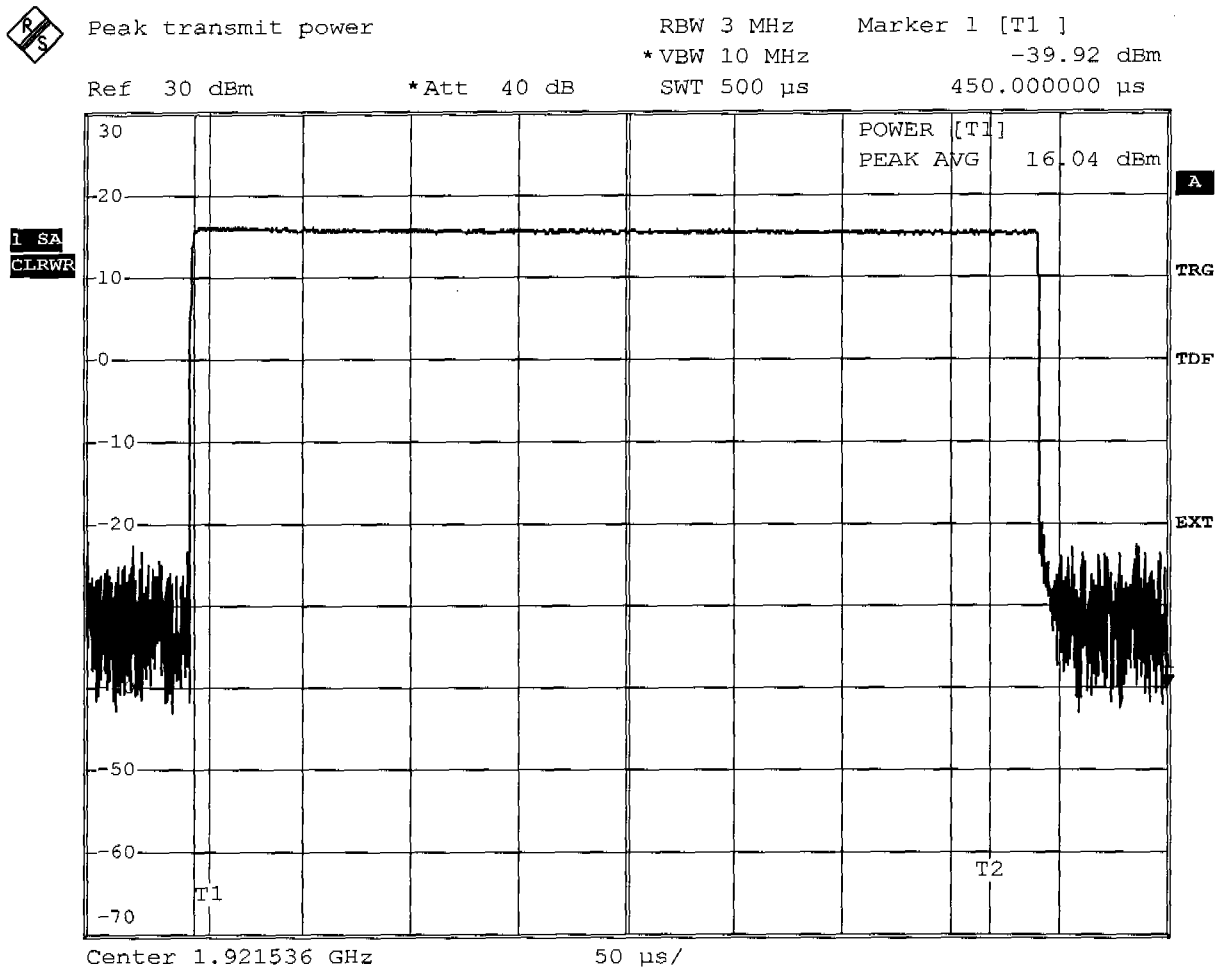
Comment: Ansi C63.17-1998 6.1.2
Date: 3.MAY.2007 10:24:45

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
UPCS

EUT	3 IP DECT Basestation models
Model	AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vmax
Measured Bandwidth	1.672MHz
Max. Permitted Power	21,11 dBm – (8- 3)= 16.11 dBm
Measured Power	16,04 dBm
Test result	Verdict = PASS



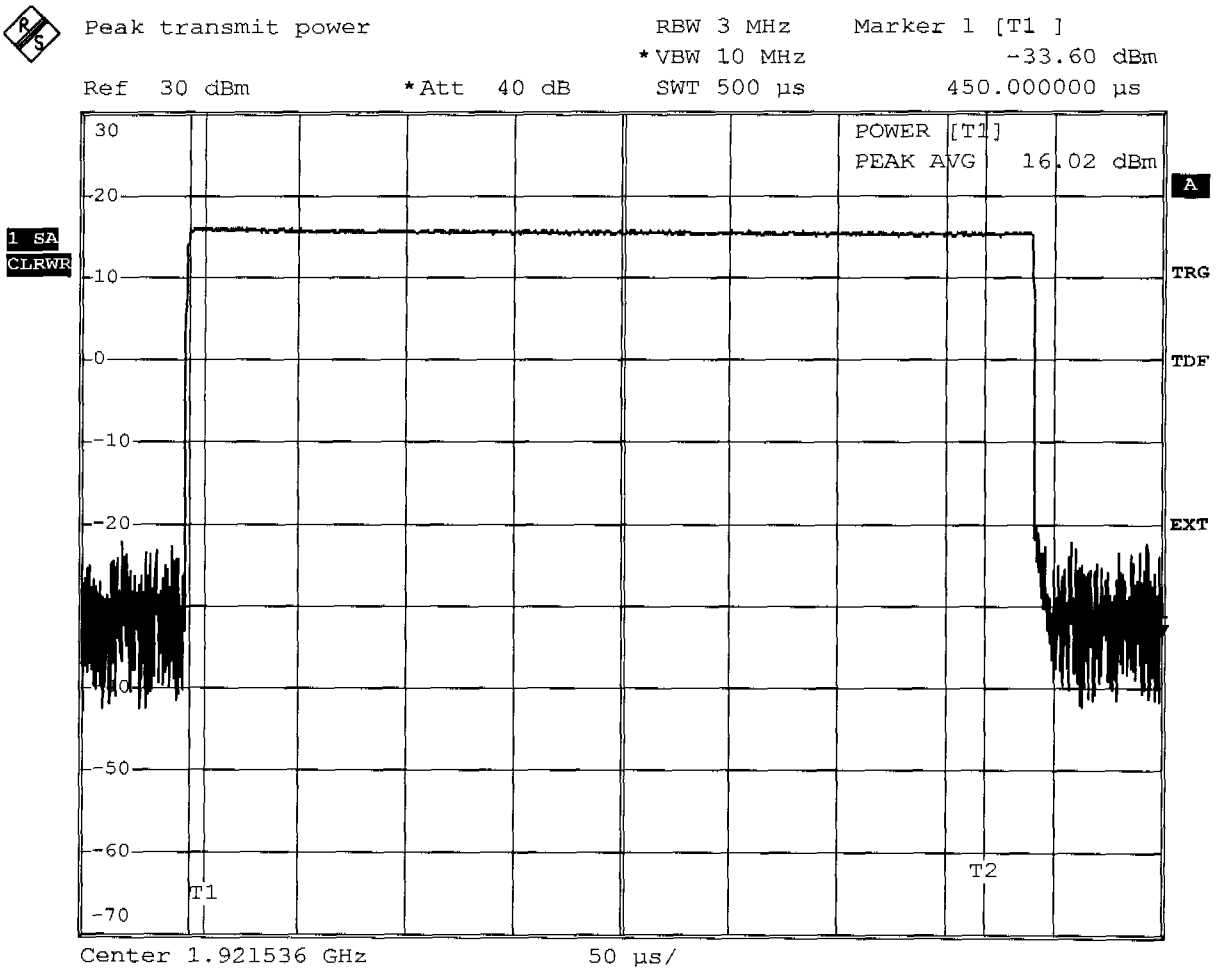
Comment: Ansi C63.17-1998 6.1.2
Date: 3.MAY.2007 10:25:42

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
UPCS

EUT	3 IP DECT Basestation models
Model	AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vmin
Measured Bandwidth	1.672MHz
Max. Permitted Power	21,11 dBm – (8- 3)= 16.11 dBm
Measured Power	16,02 dBm
Test result	Verdict = PASS



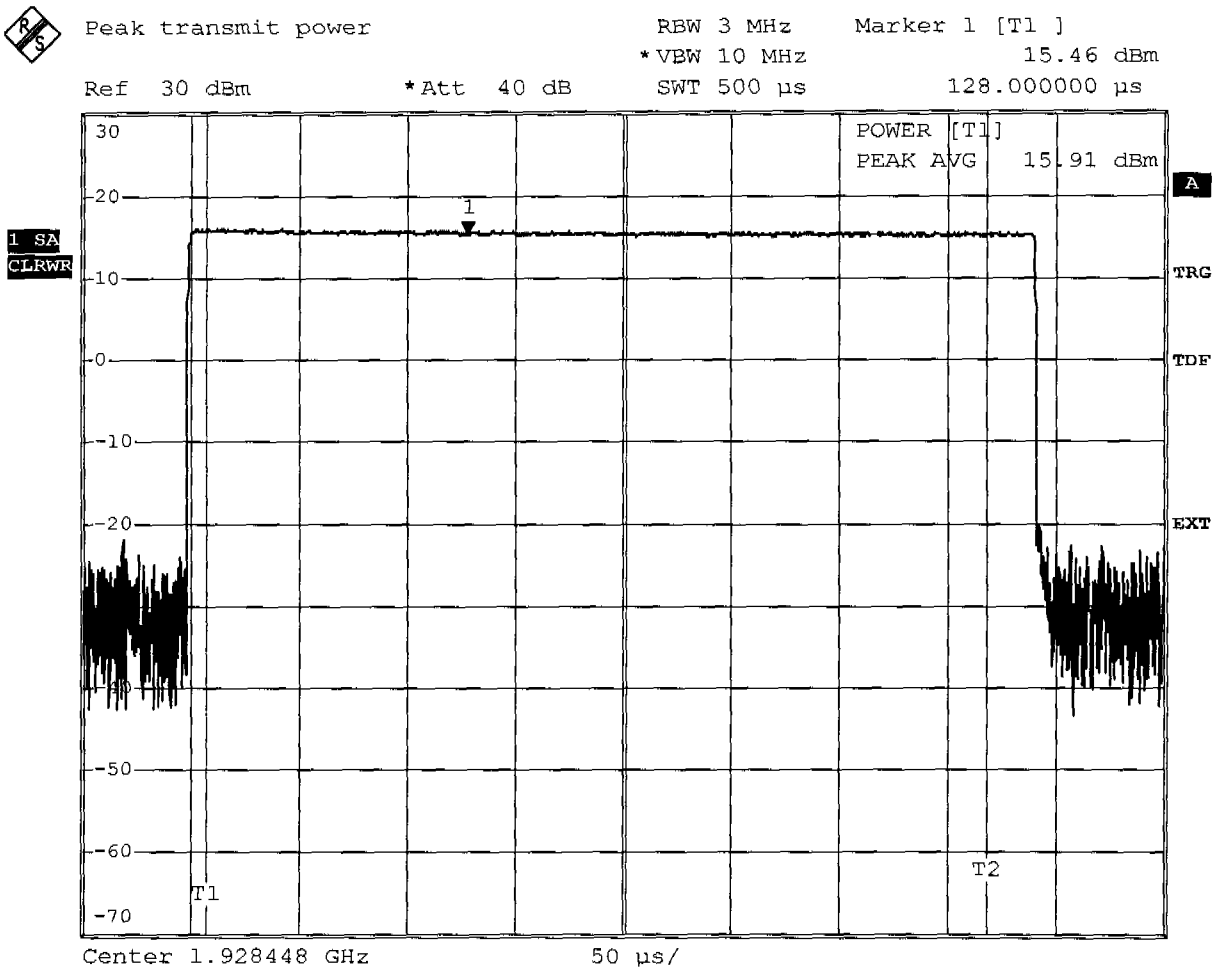
Comment: Ansi C63.17-1998 6.1.2
Date: 3.MAY.2007 10:22:56

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
UPCS

EUT	3 IP DECT Basestation models
Model	AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vnom
Measured Bandwidth	1.672MHz
Max. Permitted Power	21,11 dBm – (8- 3)= 16.11 dBm
Measured Power	15,91 dBm
Test result	Verdict = PASS



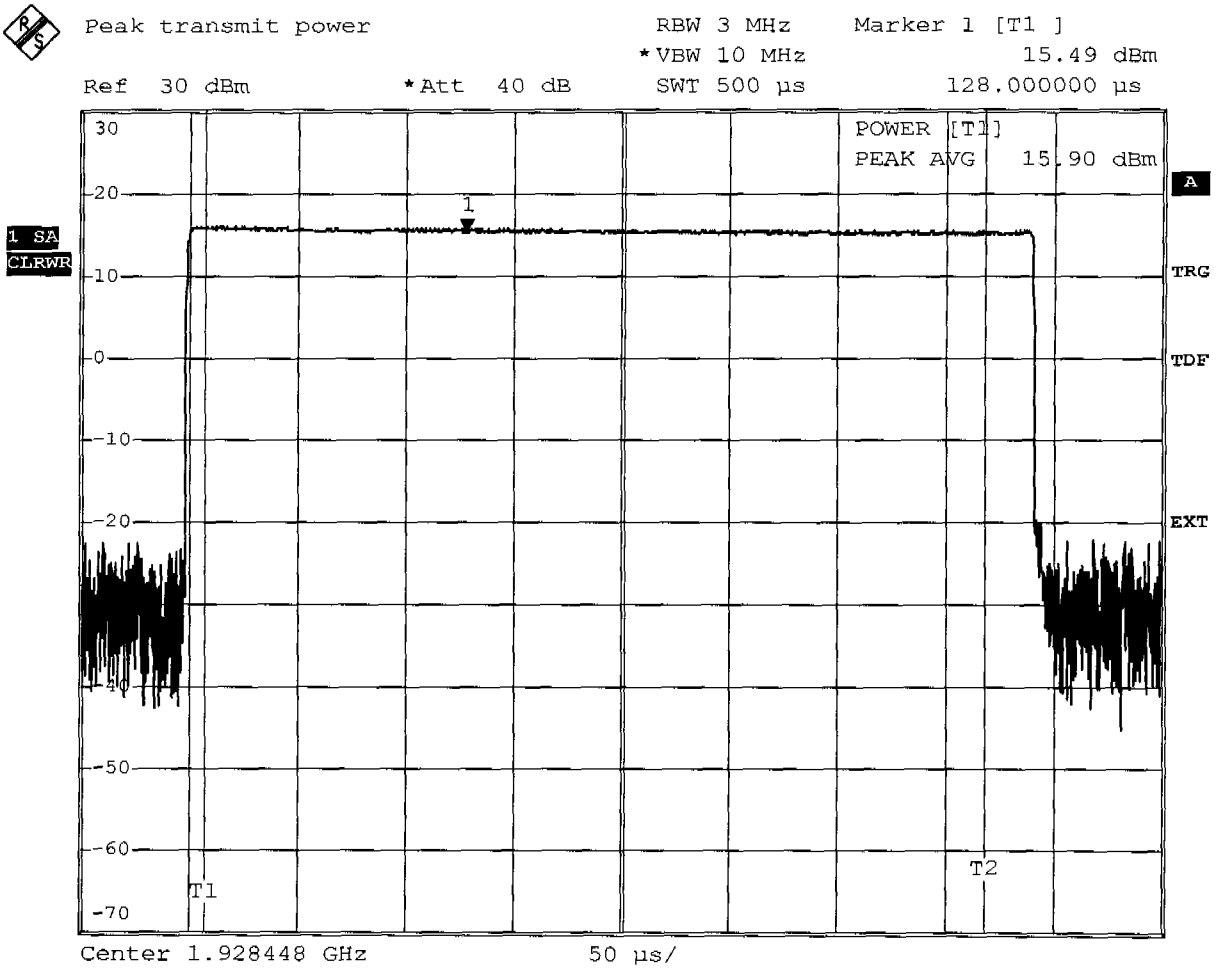
Comment: Ansi C63.17-1998 6.1.2
Date: 3.MAY.2007 10:37:57

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
UPCS

EUT	3 IP DECT Basestation models
Model	AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vmax
Measured Bandwidth	1.672MHz
Max. Permitted Power	21,11 dBm – (8- 3)= 16.11 dBm
Measured Power	15,90 dBm
Test result	Verdict = PASS



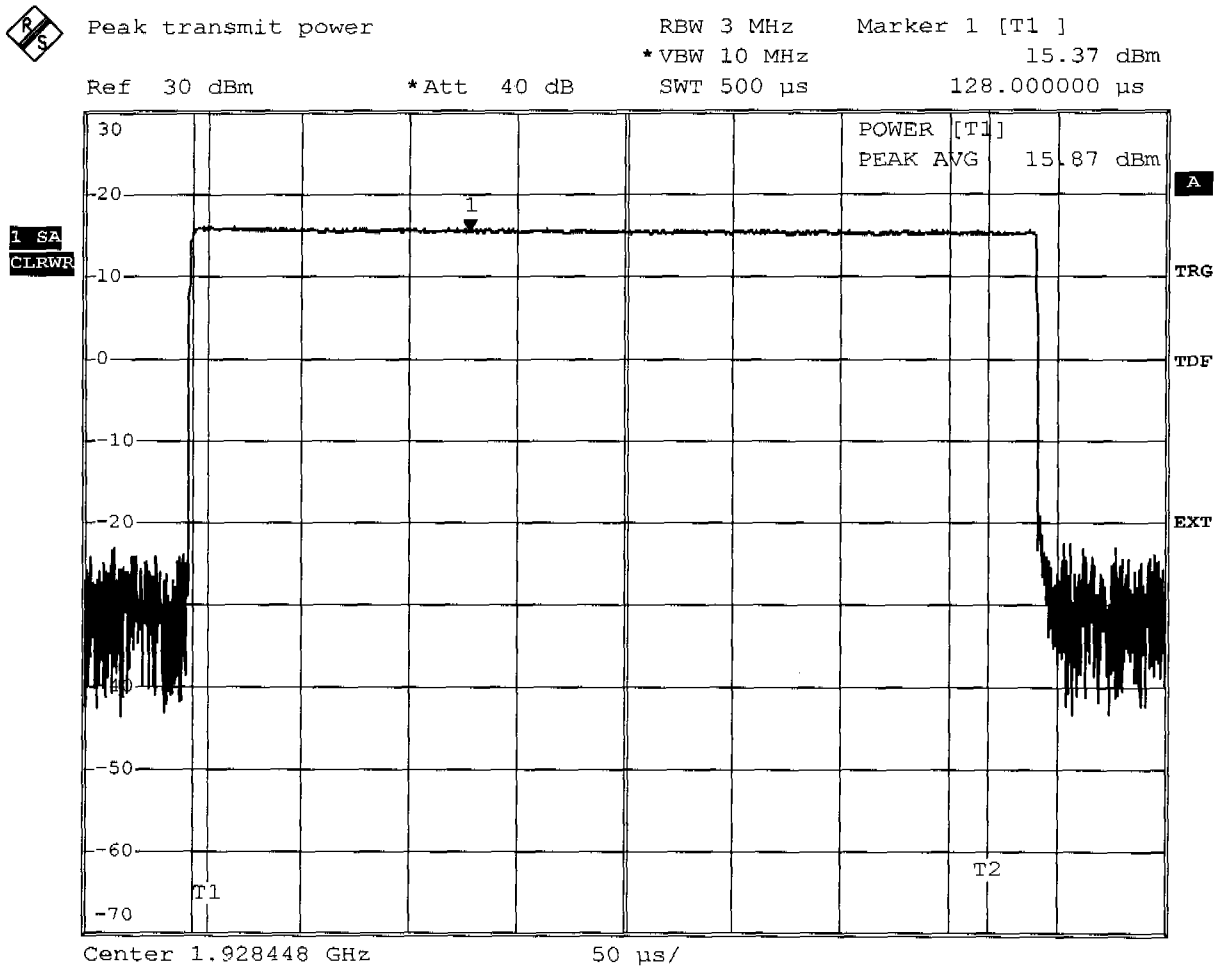
Comment: Ansi C63.17-1998 6.1.2
Date: 3.MAY.2007 10:40:10

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
UPCS

EUT	3 IP DECT Basestation models
Model	AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vmin
Measured Bandwidth	1.672MHz
Max. Permitted Power	21,11 dBm – (8- 3)= 16.11 dBm
Measured Power	15,87 dBm
Test result	Verdict = PASS



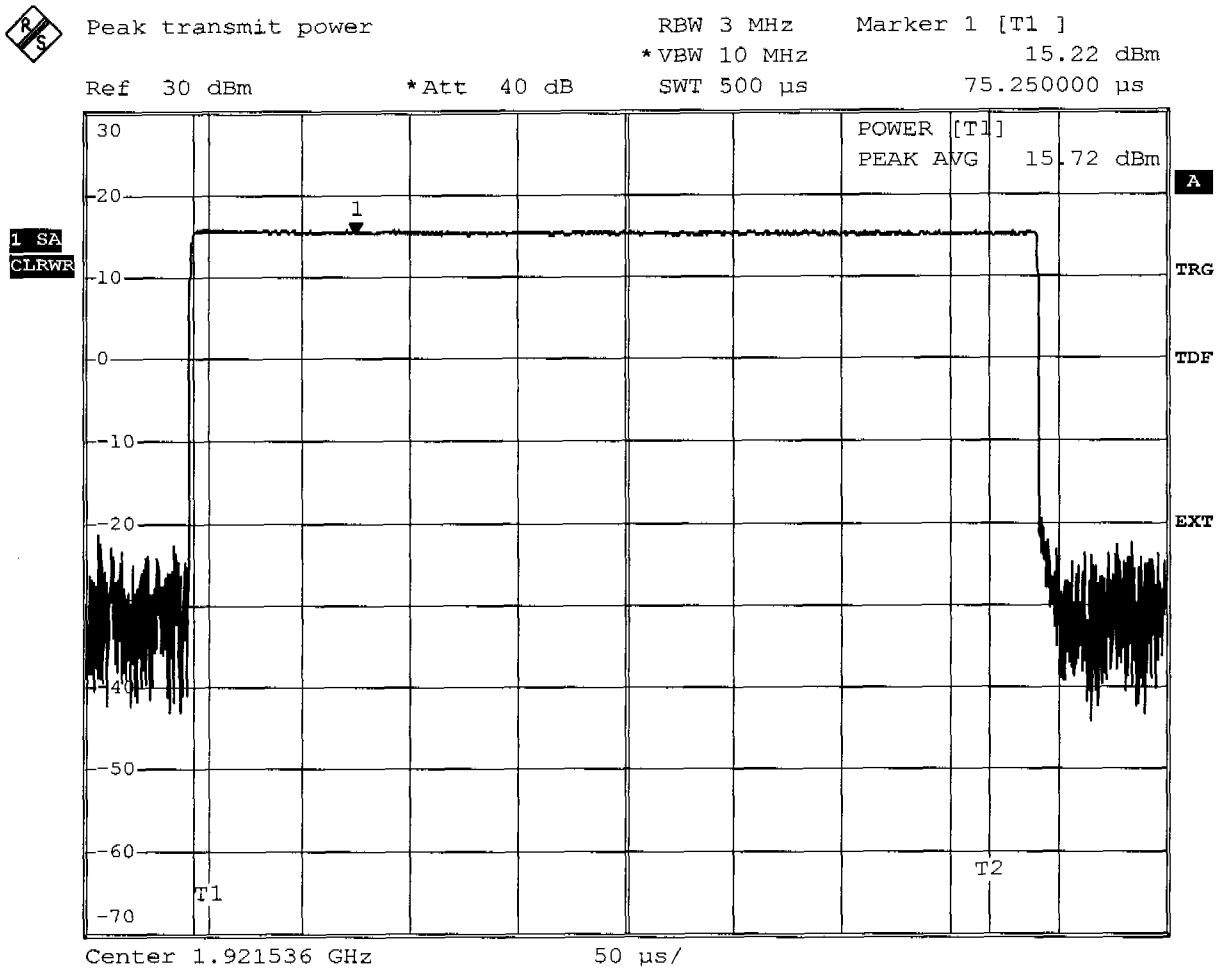
Comment: Ansi C63.17-1998 6.1.2
Date: 3.MAY.2007 10:36:23

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
UPCS

EUT	3 IP DECT Basestation models
Model	AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vnom
Measured Bandwidth	1.672MHz
Max. Permitted Power	21,11 dBm – (8- 3)= 16.11 dBm
Measured Power	15,72 dBm
Test result	Verdict = PASS



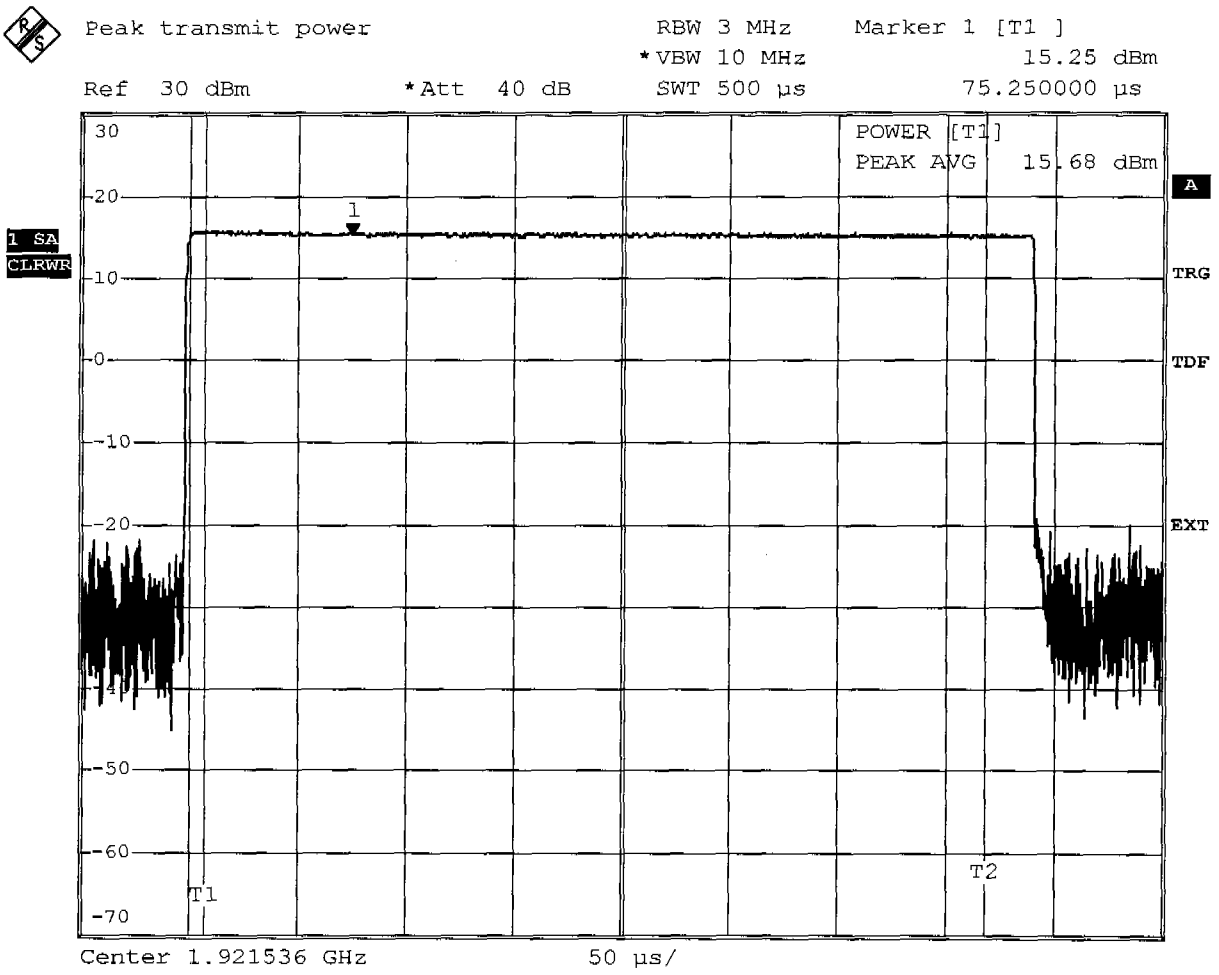
Comment: Ansi C63.17-1998 6.1.2
Date: 3.MAY.2007 09:24:29

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
UPCS

EUT	3 IP DECT Basestation models
Model	AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vmax
Measured Bandwidth	1.672MHz
Max. Permitted Power	21,11 dBm – (8- 3)= 16.11 dBm
Measured Power	15,68 dBm
Test result	Verdict = PASS



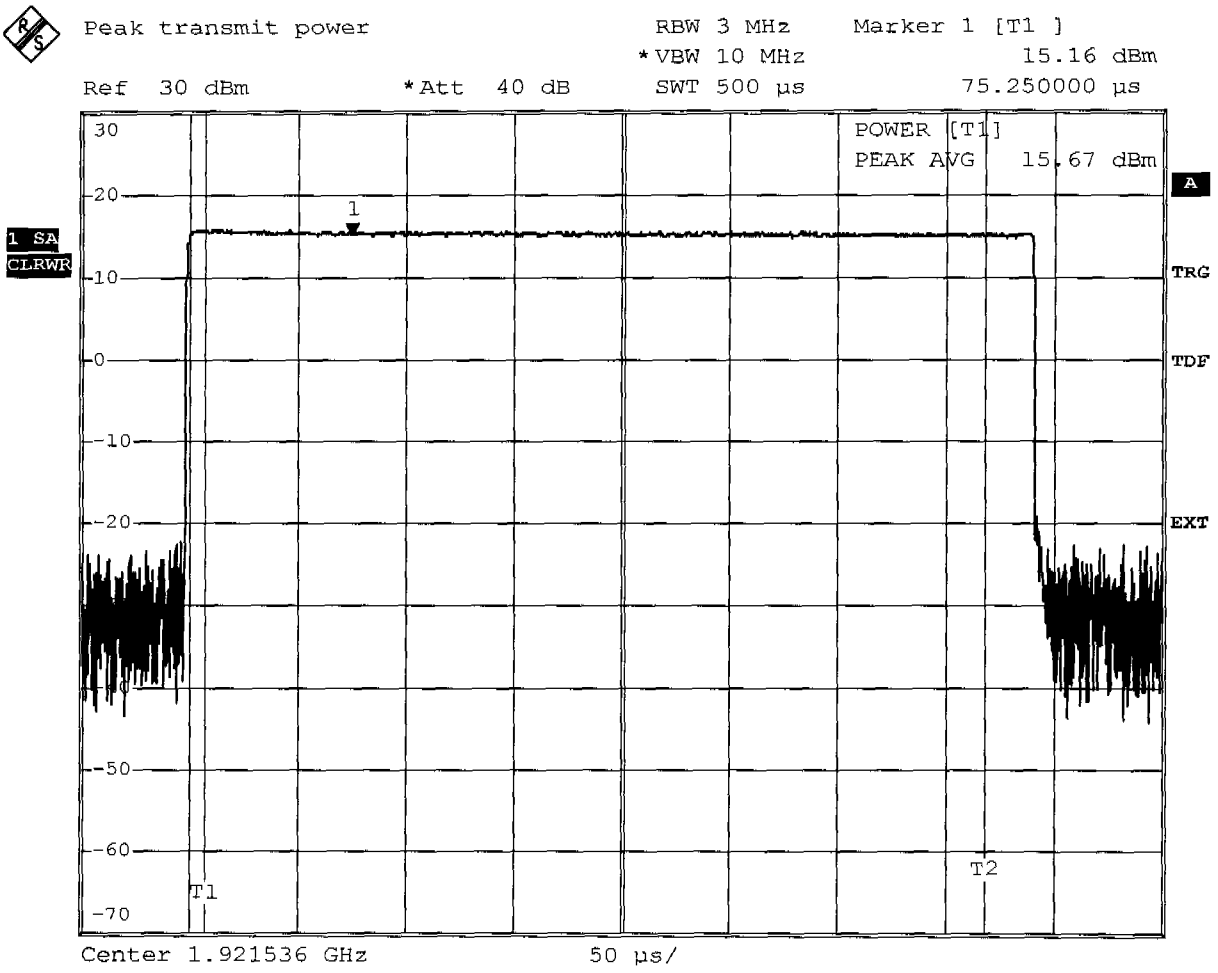
Comment: Ansi C63.17-1998 6.1.2
Date: 3.MAY.2007 09:46:04

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
UPCS

EUT	3 IP DECT Basestation models
Model	AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vmin
Measured Bandwidth	1.672MHz
Max. Permitted Power	21,11 dBm – (8- 3)= 16.11 dBm
Measured Power	15,67 dBm
Test result	Verdict = PASS



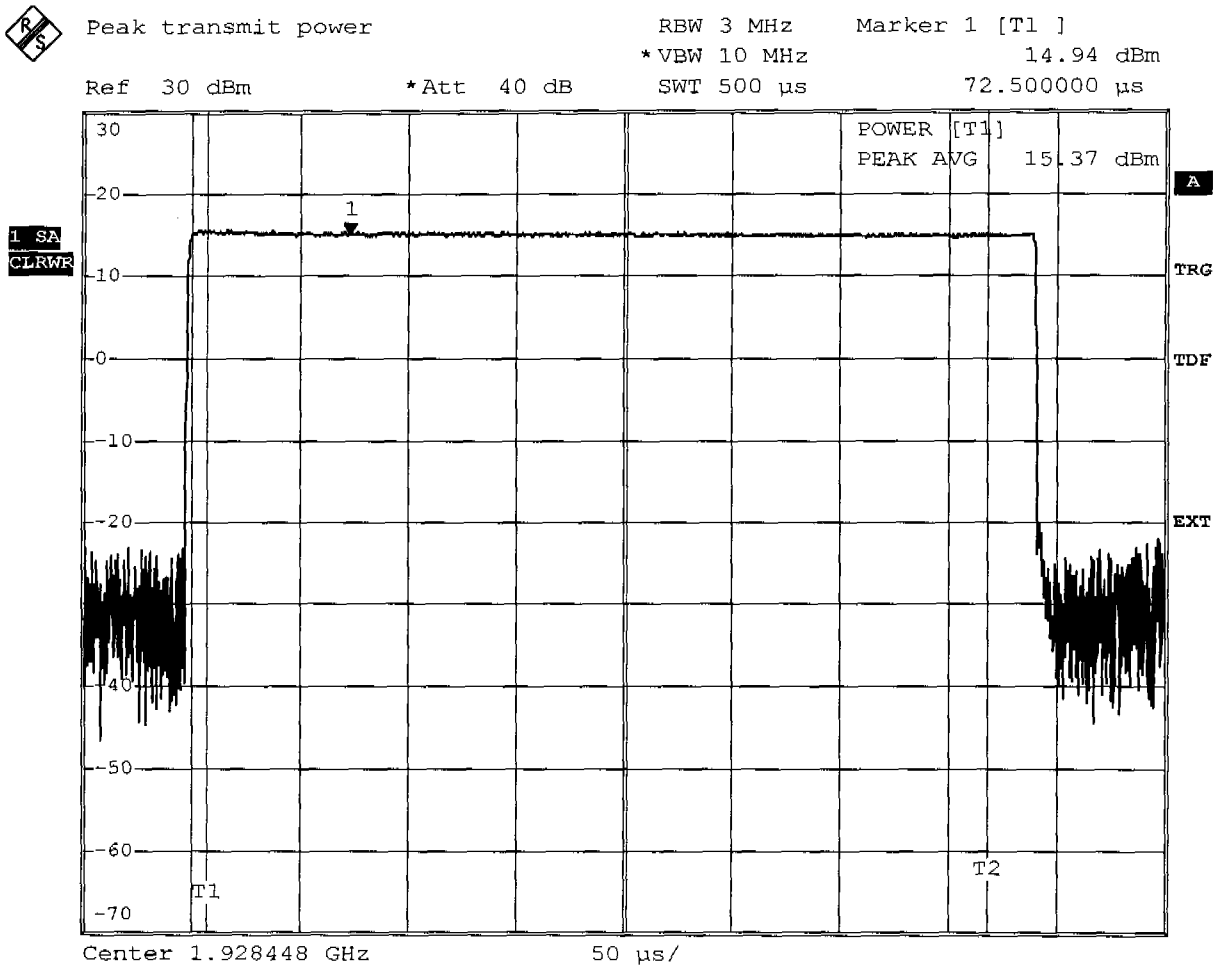
Comment: Ansi C63.17-1998 6.1.2
Date: 3.MAY.2007 09:44:42

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
UPCS

EUT	3 IP DECT Basestation models
Model	AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vnom
Measured Bandwidth	1.672MHz
Max. Permitted Power	21,11 dBm – (8- 3)= 16.11 dBm
Measured Power	15,37 dBm
Test result	Verdict = PASS



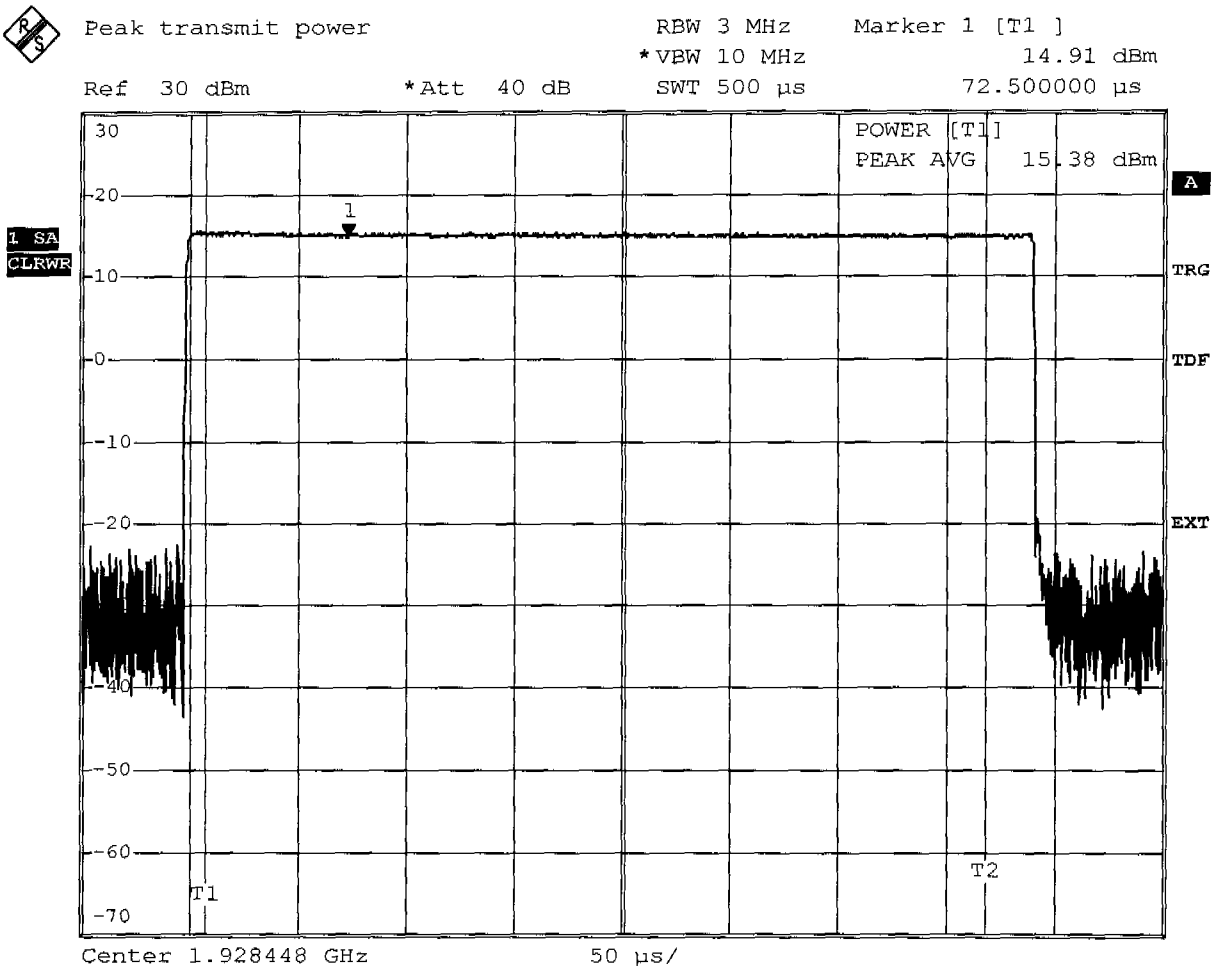
Comment: Ansi C63.17-1998 6.1.2
Date: 3.MAY.2007 09:51:59

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
UPCS

EUT	3 IP DECT Basestation models
Model	AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vmax
Measured Bandwidth	1.672MHz
Max. Permitted Power	21,11 dBm – (8- 3)= 16.11 dBm
Measured Power	15,38 dBm
Test result	Verdict = PASS



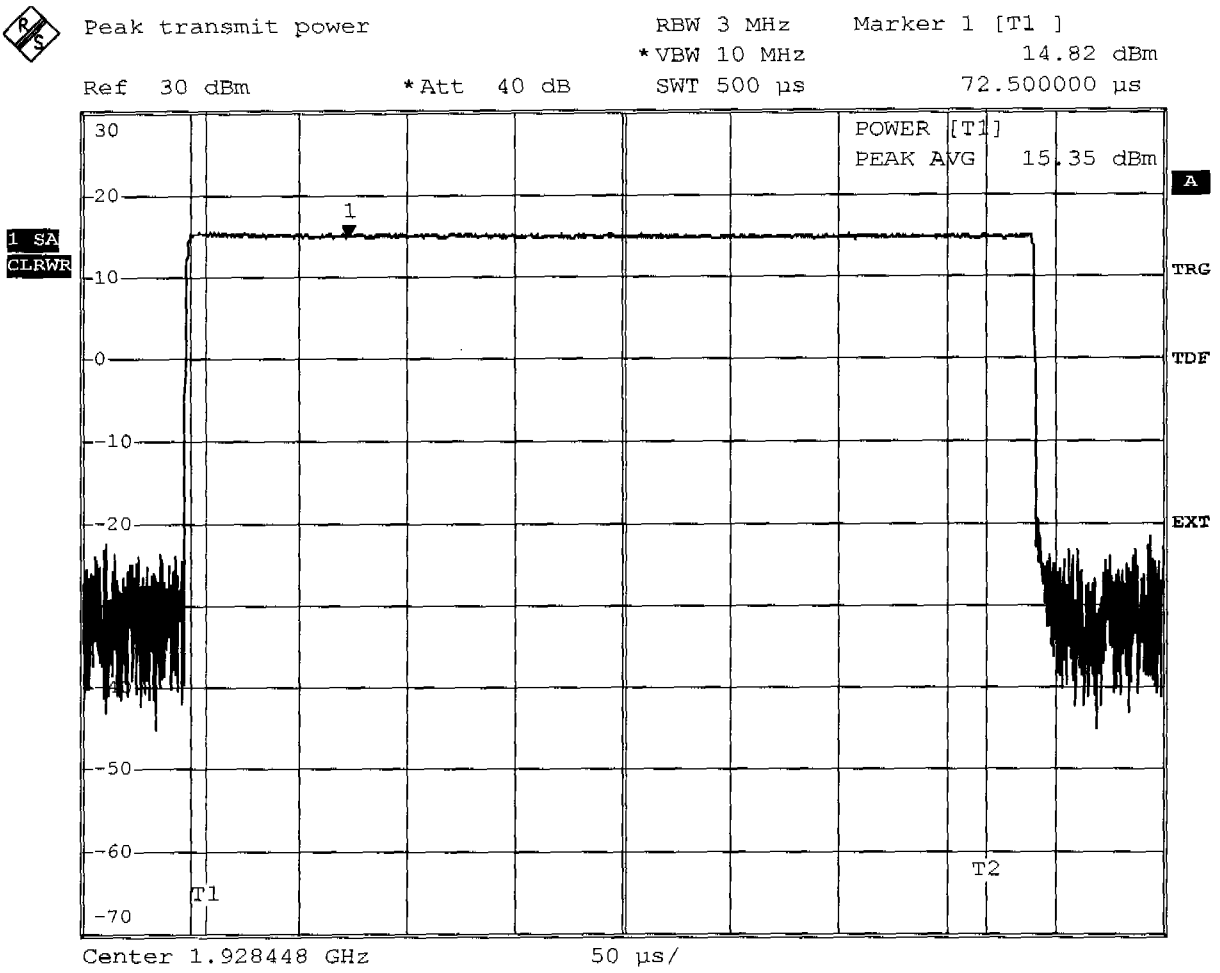
Comment: Ansi C63.17-1998 6.1.2
Date: 3.MAY.2007 09:50:02

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
UPCS

EUT	3 IP DECT Basestation models
Model	AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vmin
Measured Bandwidth	1.672MHz
Max. Permitted Power	21,11 dBm – (8- 3)= 16.11 dBm
Measured Power	15,35 dBm
Test result	Verdict = PASS



Comment: Ansi C63.17-1998 6.1.2
Date: 3.MAY.2007 09:53:31

Measurement diagram

Appendix G

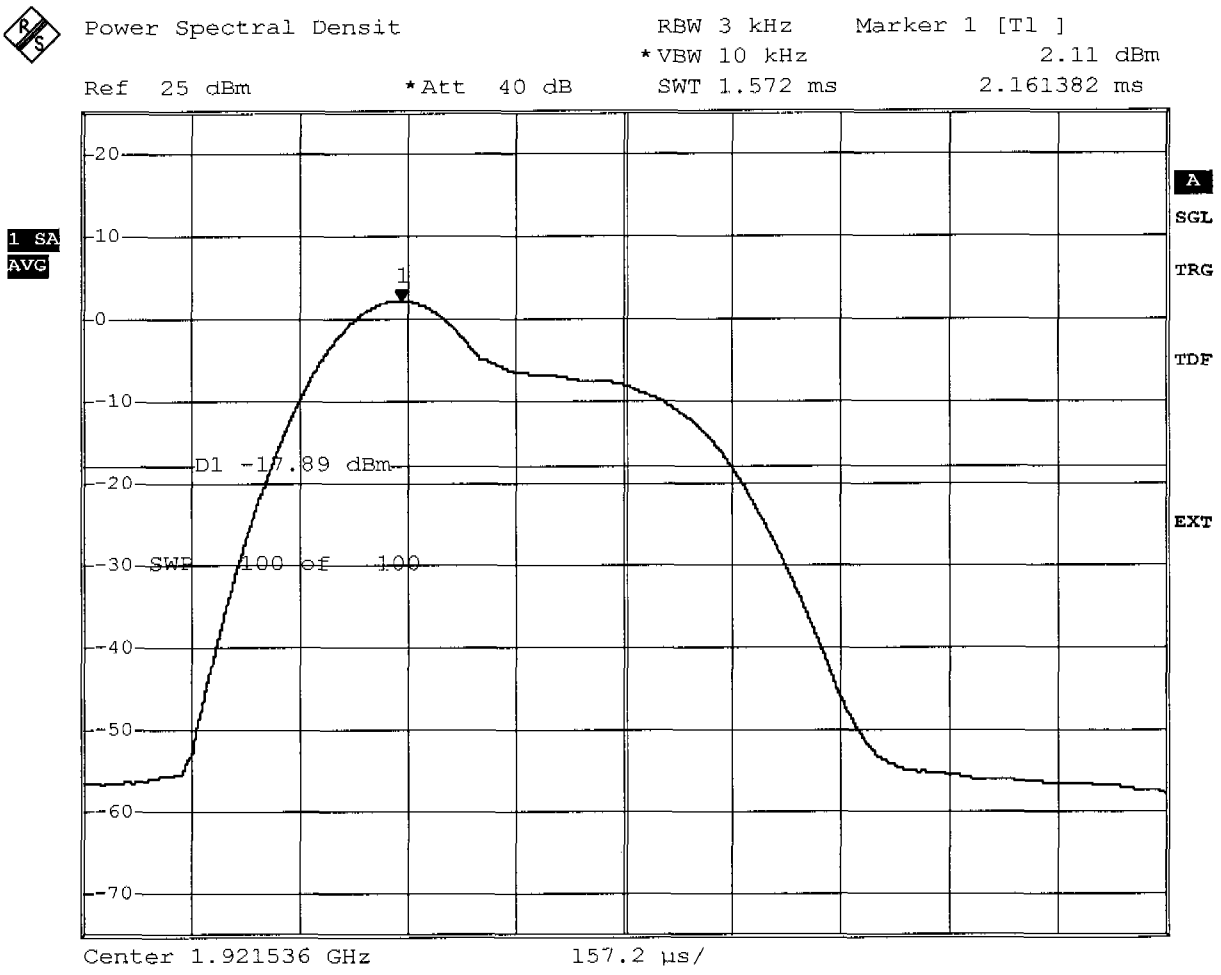
Power spectral density

FCC Part 15.319(d) Power spectral density

Testprocedure ANSI 63.17-2006 6.1.5
UPCS

EUT	3 IP DECT Basestation models
Model	AP200 NA / AP200S NA / AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density
Peak Frequency in MHz	1921,536000 MHz
Total pulse energy in mW	0,000303 mW
Wideband pulse duration in ms	0,393000 ms
PSD in mW	0,7713 mW
PSD in dBm	-1,1279 dBm

Pass criteria: PSD is less than 3mW Verdict = PASS



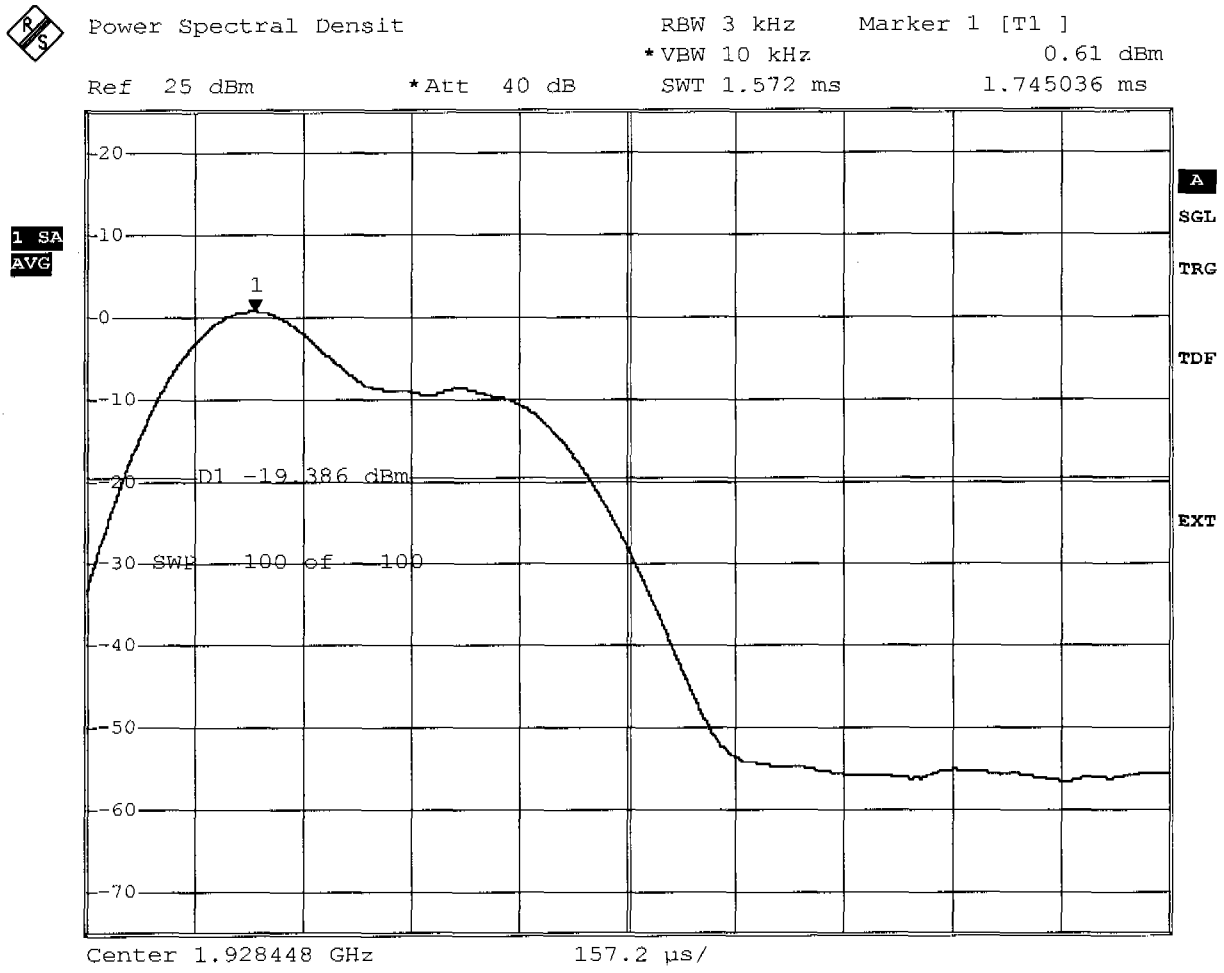
Comment: Ansi C63.17-2006 6.1.5
Date: 27.NOV.2006 10:34:21

FCC Part 15.319(d) Power spectral density

Testprocedure ANSI 63.17-2006 6.1.5
UPCS

EUT	3 IP DECT Basestation models
Model	AP200 NA / AP200S NA / AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density
Peak Frequency in MHz	1928,448000 MHz
Total pulse energy in mW	0,000218 mW
Wideband pulse duration in ms	0,393000 ms
PSD in mW	0,5551 mW
PSD in dBm	-2,5567 dBm

Pass criteria: PSD is less than 3mW Verdict = PASS



Comment: Ansi C63.17-2006 6.1.5
Date: 27.NOV.2006 10:23:04

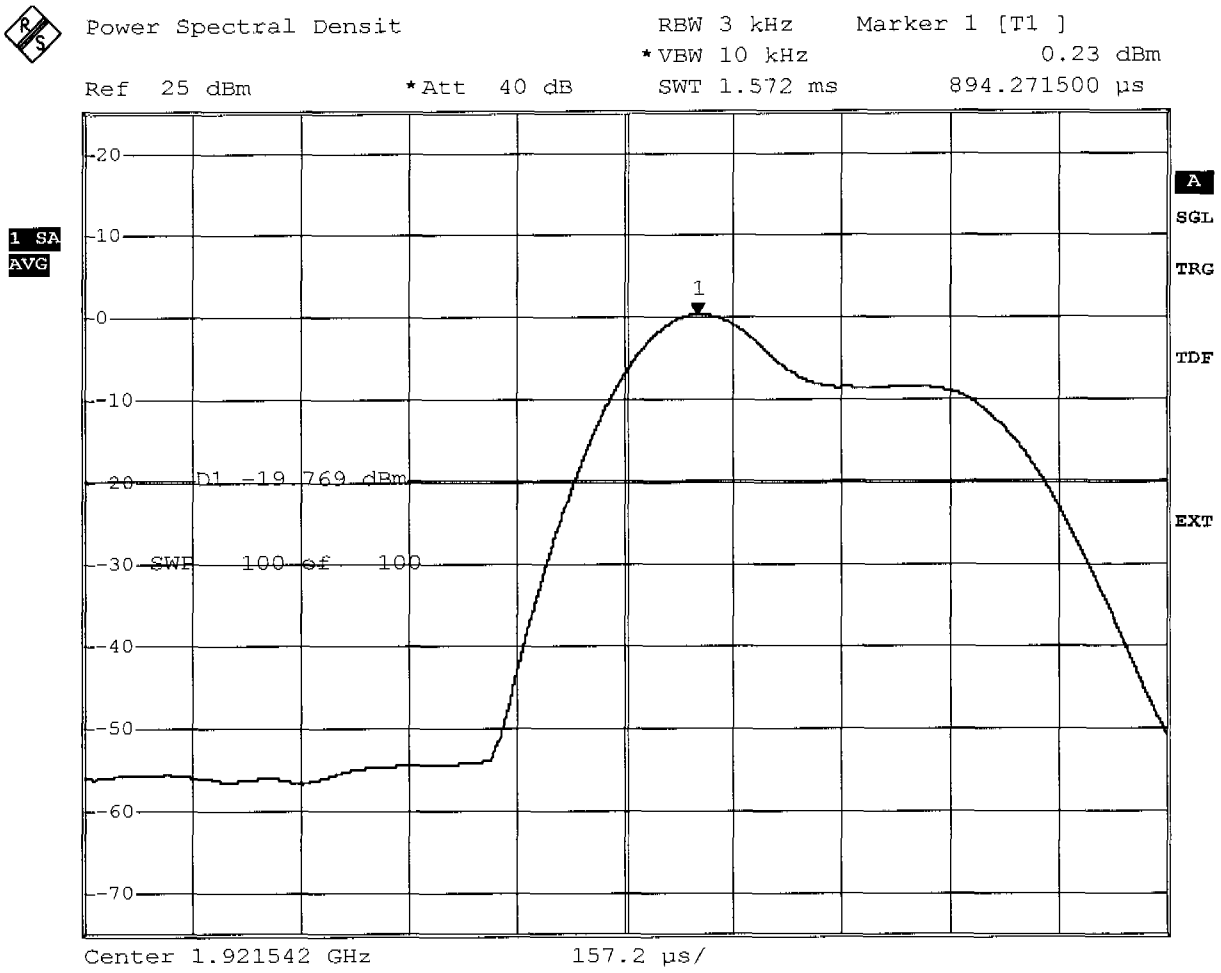
Measurement diagram

FCC Part 15.319(d) Power spectral density

Testprocedure ANSI 63.17-2006 6.1.5
UPCS

EUT	3 IP DECT Basestation models
Model	AP200 NA / AP200S NA / AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density
Peak Frequency in MHz	1921,542000 MHz
Total pulse energy in mW	0,000204 mW
Wideband pulse duration in ms	0,393000 ms
PSD in mW	0,5199 mW
PSD in dBm	-2,8410 dBm

Pass criteria: PSD is less than 3mW Verdict = PASS



Comment: Ansi C63.17-2006 6.1.5
Date: 29.NOV.2006 08:32:17

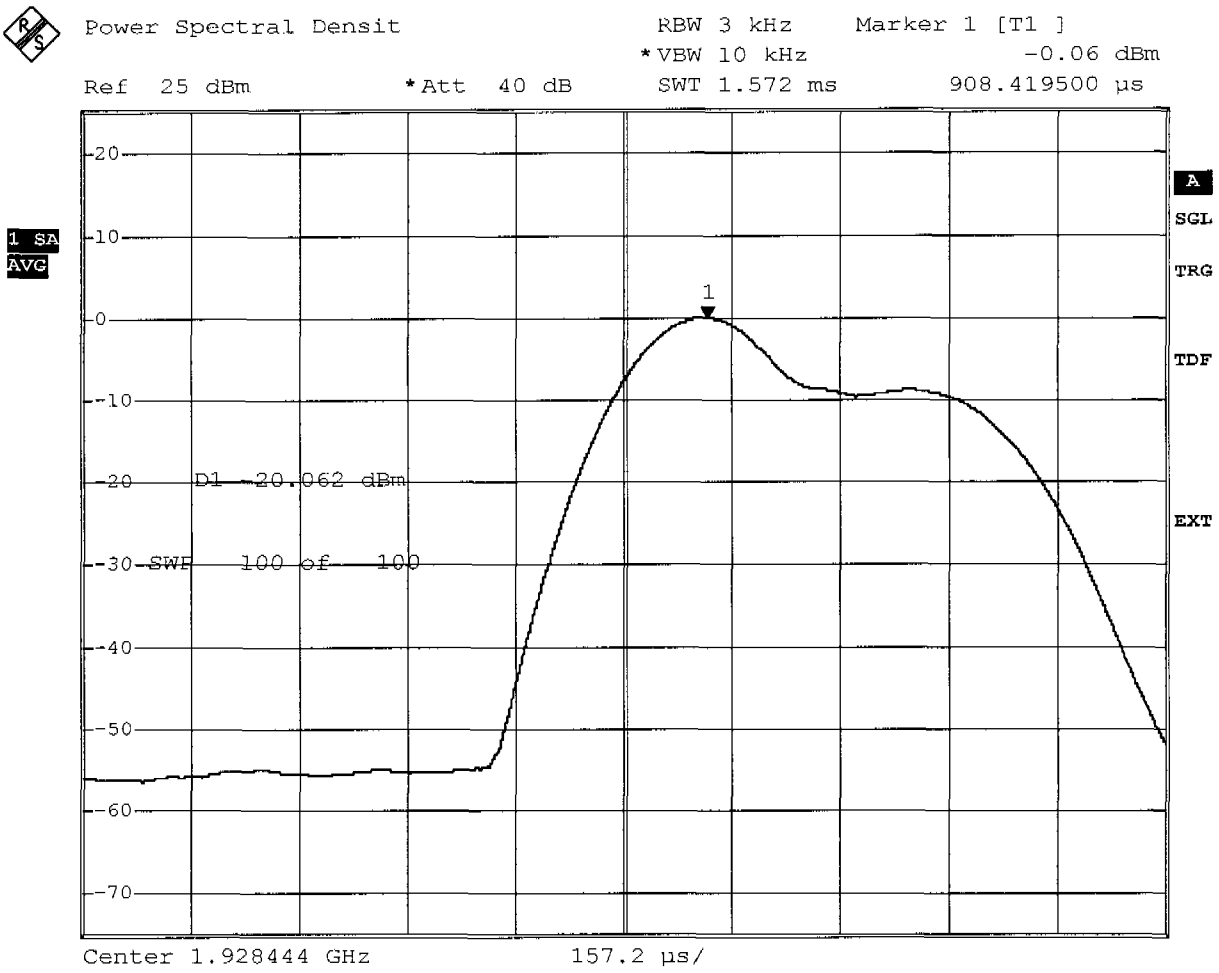
Measurement diagram

FCC Part 15.319(d) Power spectral density

Testprocedure ANSI 63.17-2006 6.1.5
UPCS

EUT	3 IP DECT Basestation models
Model	AP200 NA / AP200S NA / AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density
Peak Frequency in MHz	1928,444000 MHz
Total pulse energy in mW	0,000187 mW
Wideband pulse duration in ms	0,393000 ms
PSD in mW	0,4760 mW
PSD in dBm	-3,2241 dBm

Pass criteria: PSD is less than 3mW Verdict = PASS



Comment: Ansi C63.17-2006 6.1.5
Date: 29.NOV.2006 09:00:12

Measurement diagram

Appendix H

Directional gain of the antenna

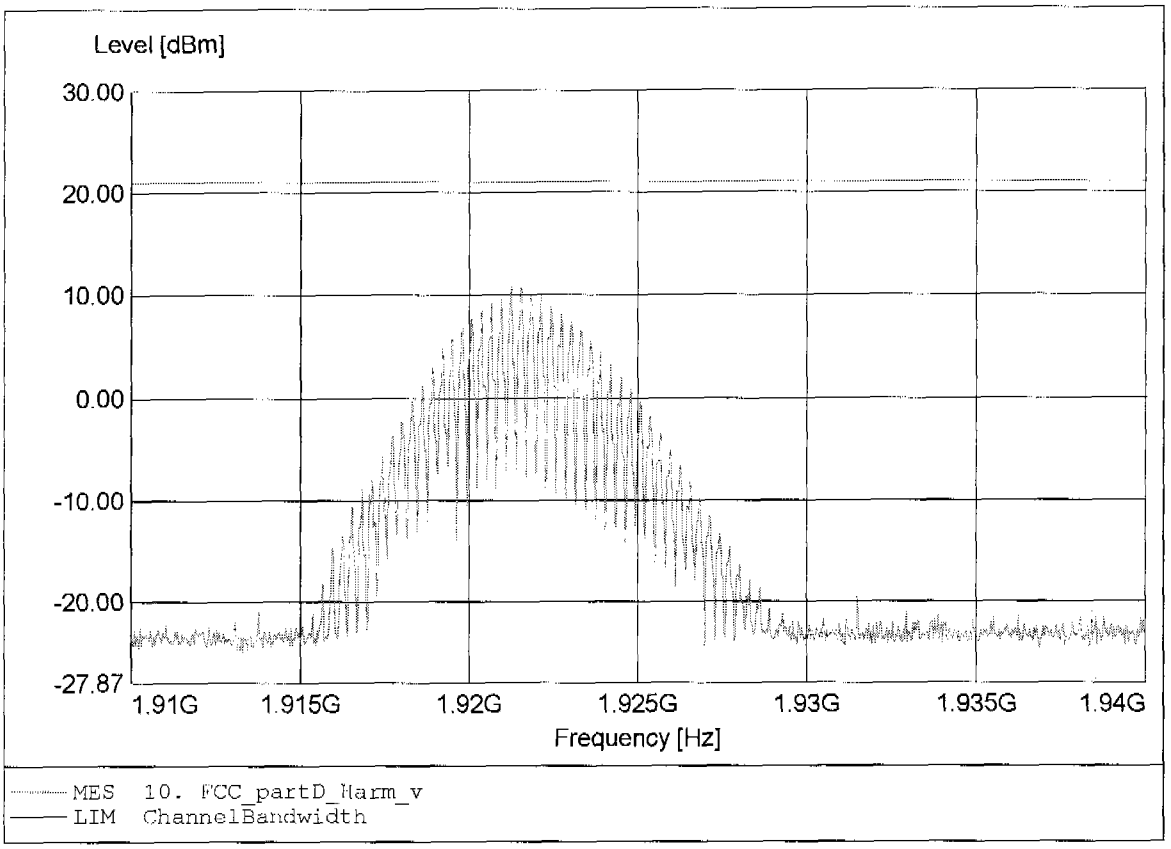
Appendix I

Radio frequency radiation exposure

Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

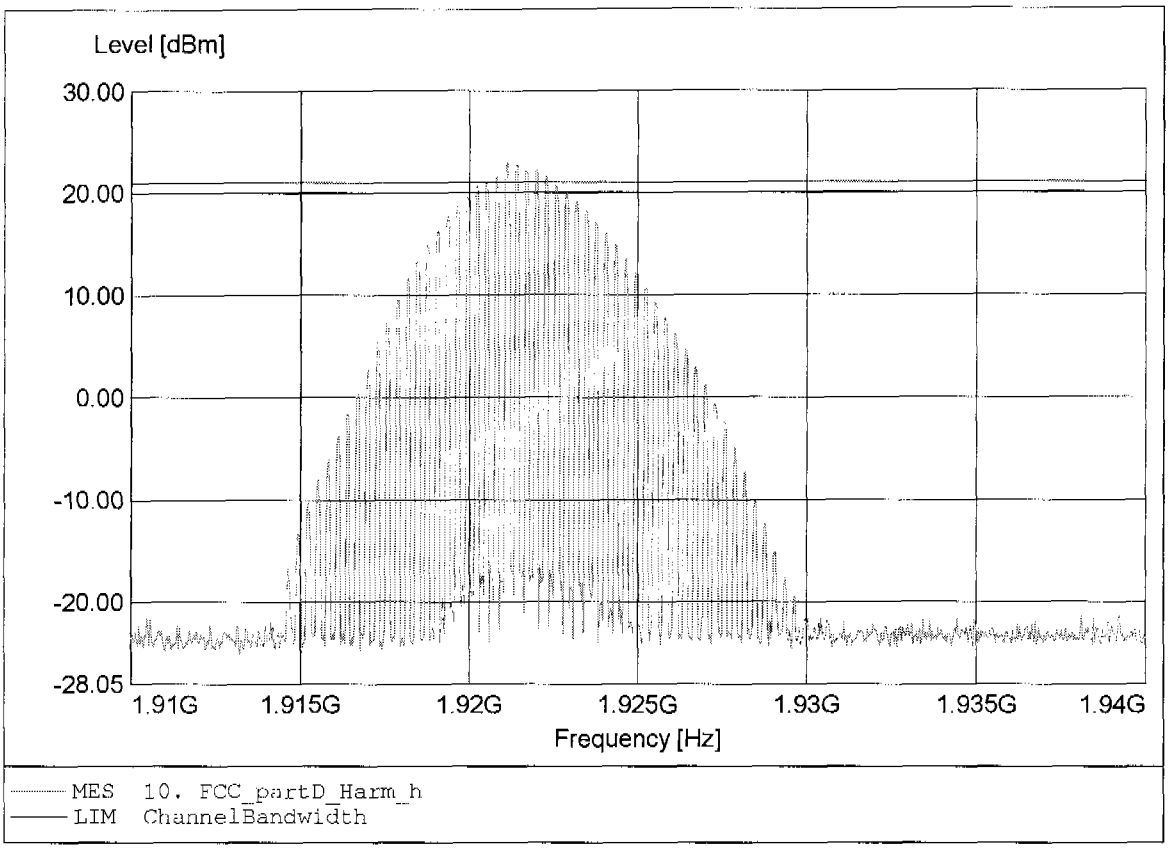
Approval Holder: NEC Philips Unified Solutions
EUT / ant. / Ch.: 3 IP DECT Basestation models / Ant. 0 / Ch.: 4
Model : AP200 NA/AP200S NA / AP200E NA / external Ant. / module 0
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 25°C / 120 VAC (AC/DC-adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.921GHz Pmax:10.75dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

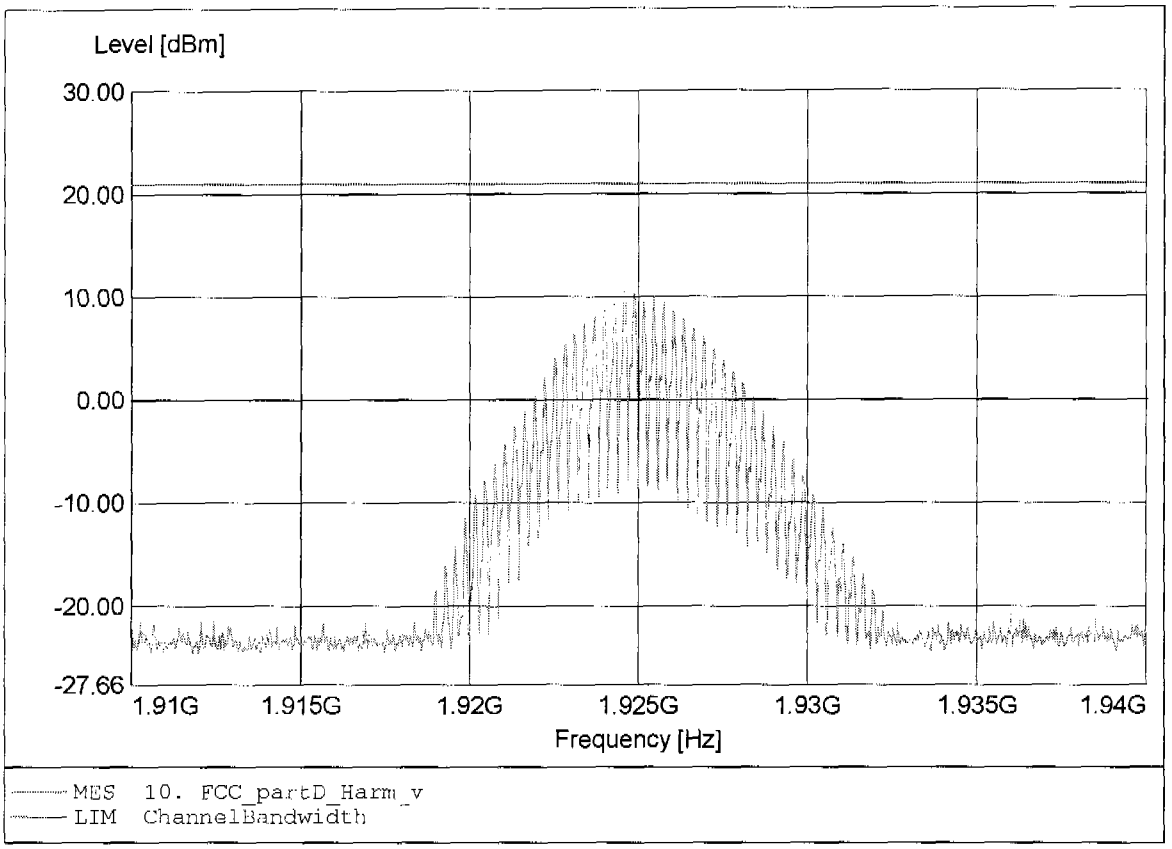
Approval Holder: NEC Philips Unified Solutions
EUT / ant. / Ch.: 3 IP DECT Basestation models / Ant. 0 / Ch.: 4
Model : AP200 NA/AP200S NA / AP200E NA / external Ant. / module 0
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 25°C / 120 VAC (AC/DC-adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.921GHz Pmax:22.95dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

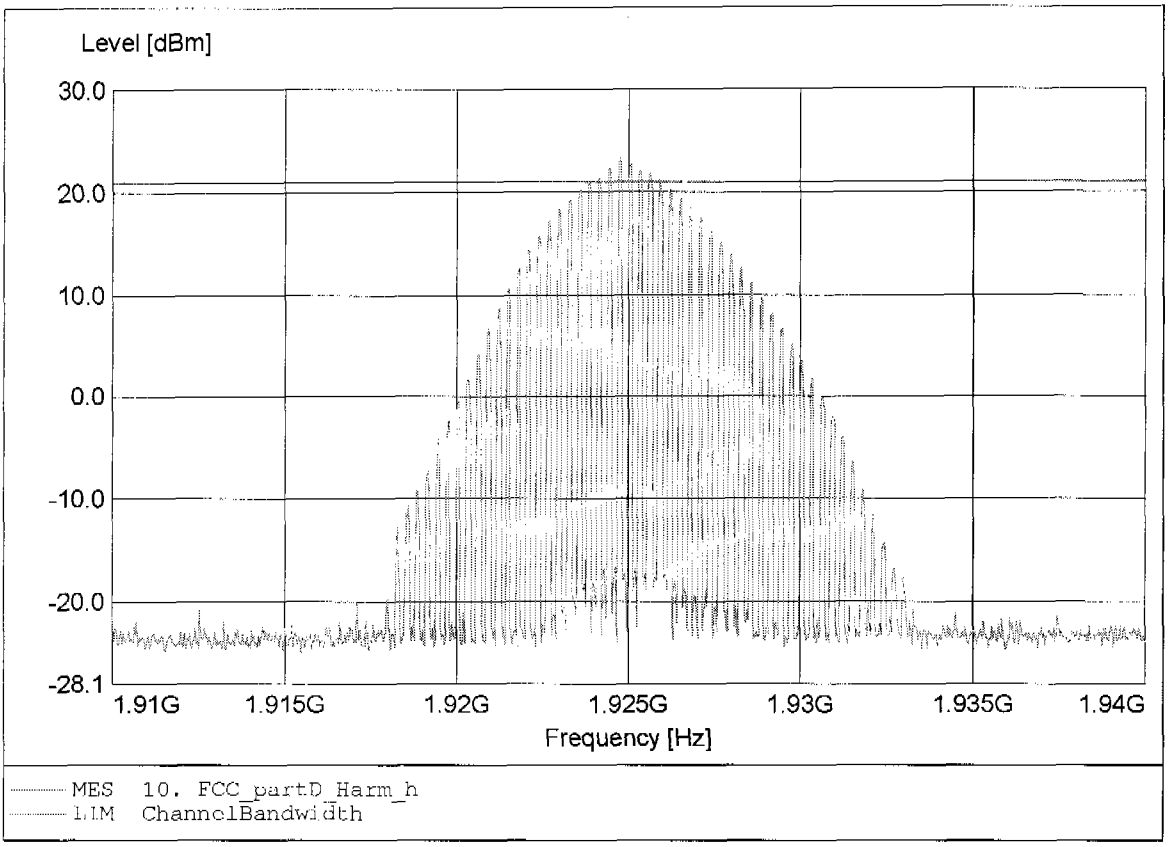
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / Ch.: 2
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / module 0
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 3m, Ant.: HL 025,
Comment 2:	Freq:1.925GHz Pmax:10.63dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

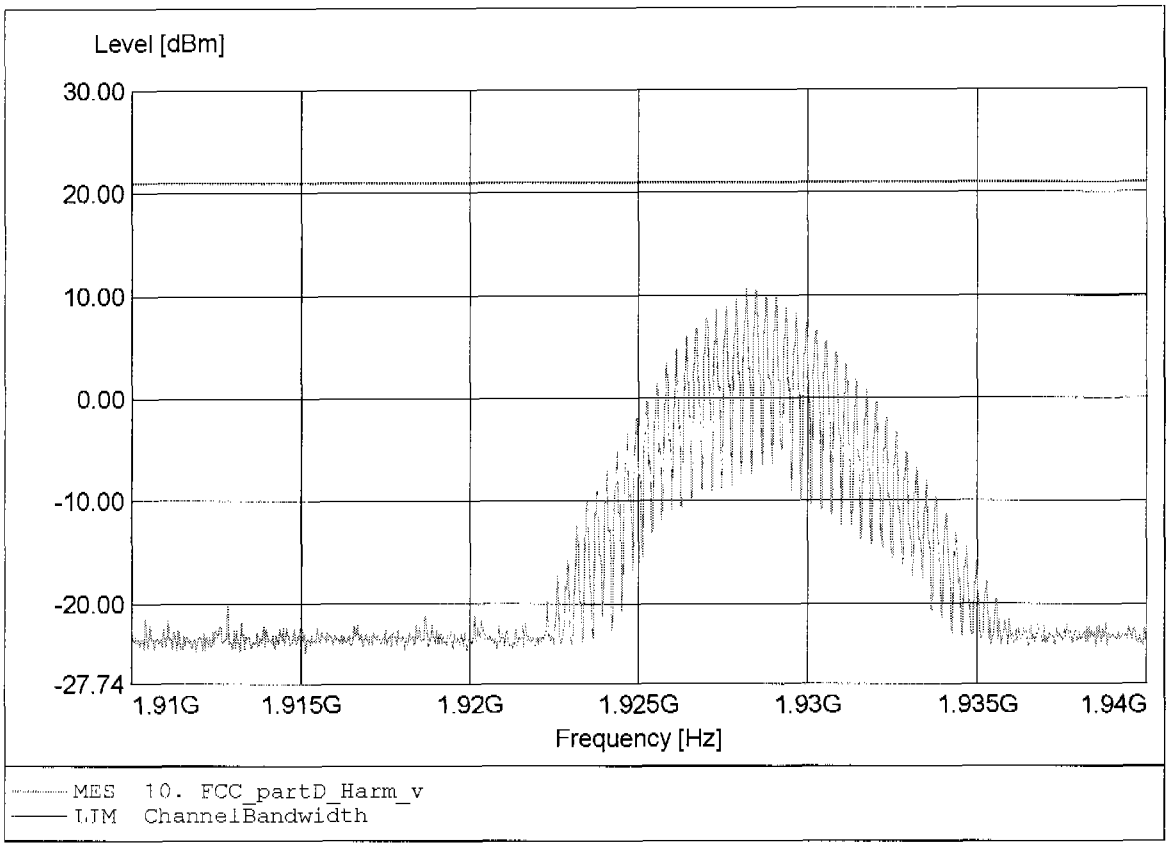
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / Ch.: 2
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / module 0
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 3m, Ant.: HL 025,
Comment 2:	Freq:1.925GHz Pmax:23.31dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

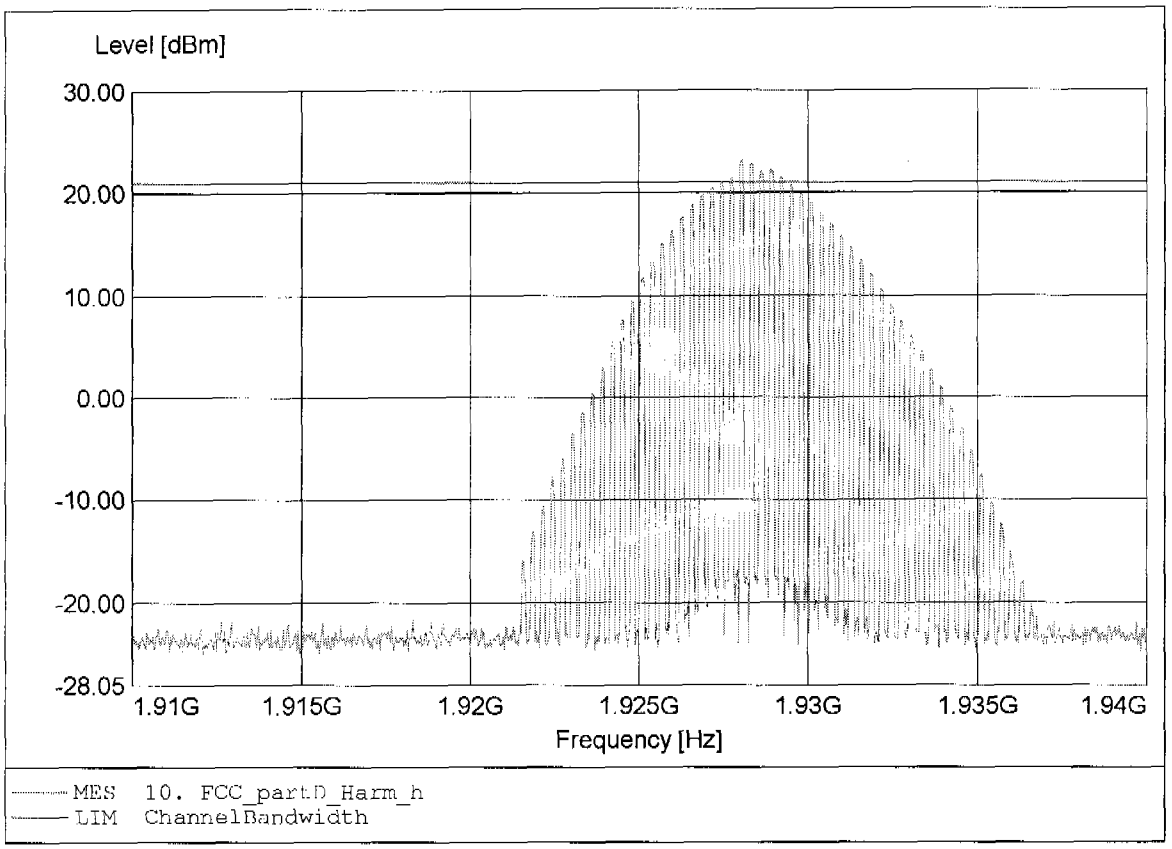
Approval Holder: NEC Philips Unified Solutions
EUT / ant. / Ch.: 3 IP DECT Basestation models / Ant. 0 / Ch.: 0
Model : AP200 NA/AP200S NA / AP200E NA / external Ant. / module 0
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 25°C / 120 VAC (AC/DC-adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.928GHz Pmax:10.87dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

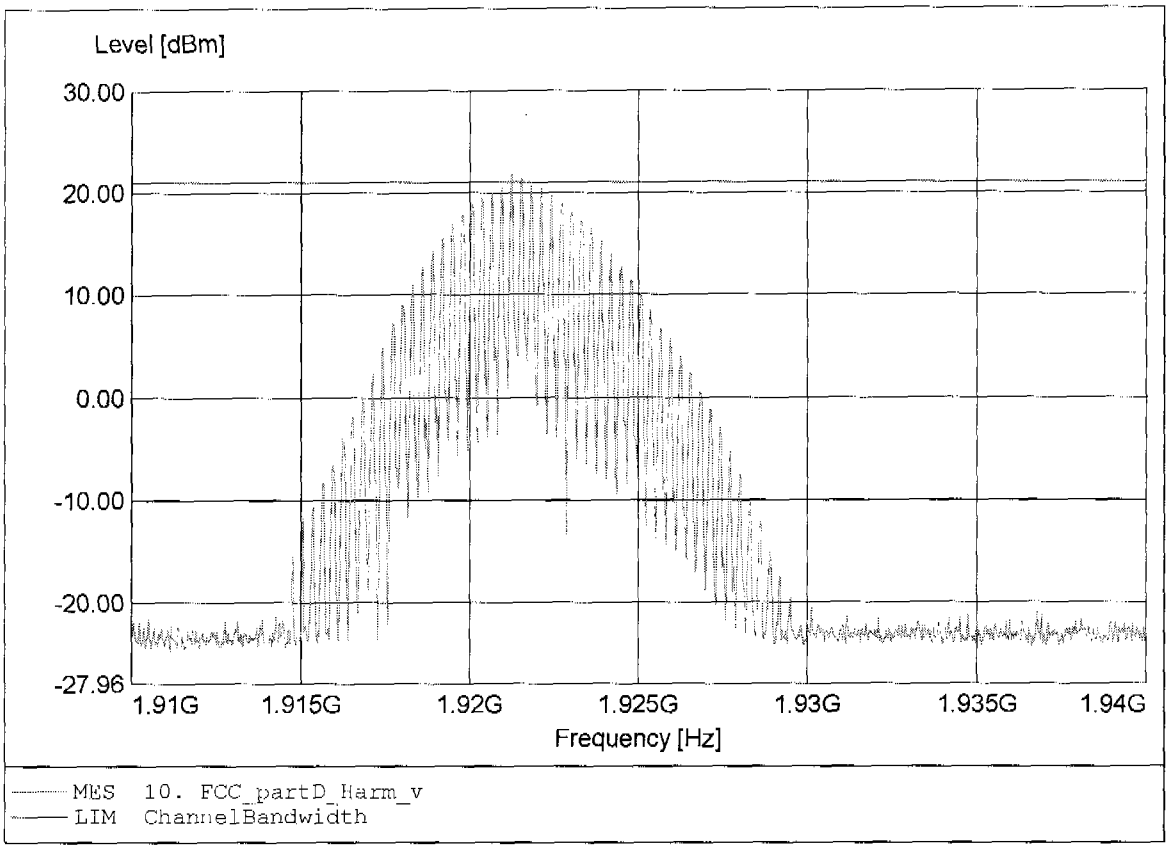
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / Ch.: 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / module 0
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 3m, Ant.: HL 025,
Comment 2:	Freq:1.928GHz Pmax:23.17dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

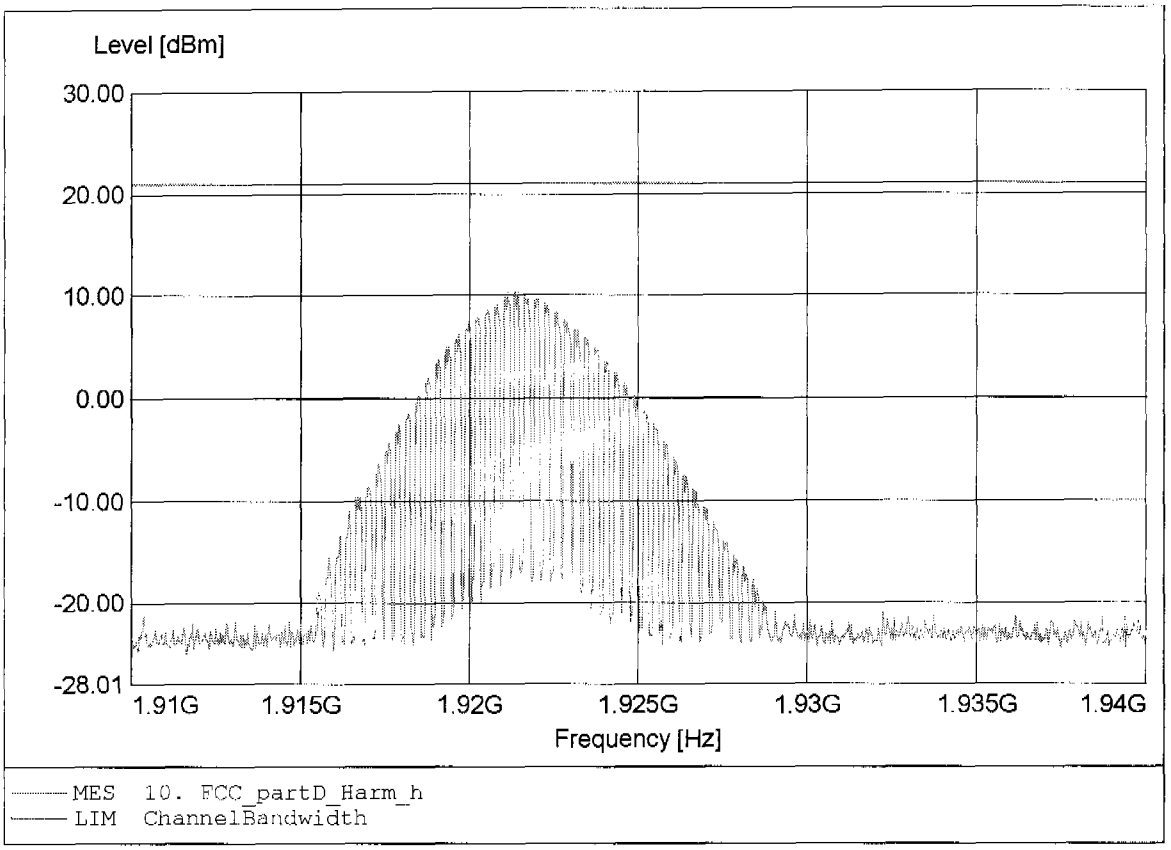
Approval Holder: NEC Philips Unified Solutions
EUT / ant. / Ch.: 3 IP DECT Basestation models / Ant. 1 / Ch.: 4
Model : AP200 NA/AP200S NA / AP200E NA / external Ant. / module 0
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 25°C / 120 VAC (AC/DC-adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.921GHz Pmax:21.82dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

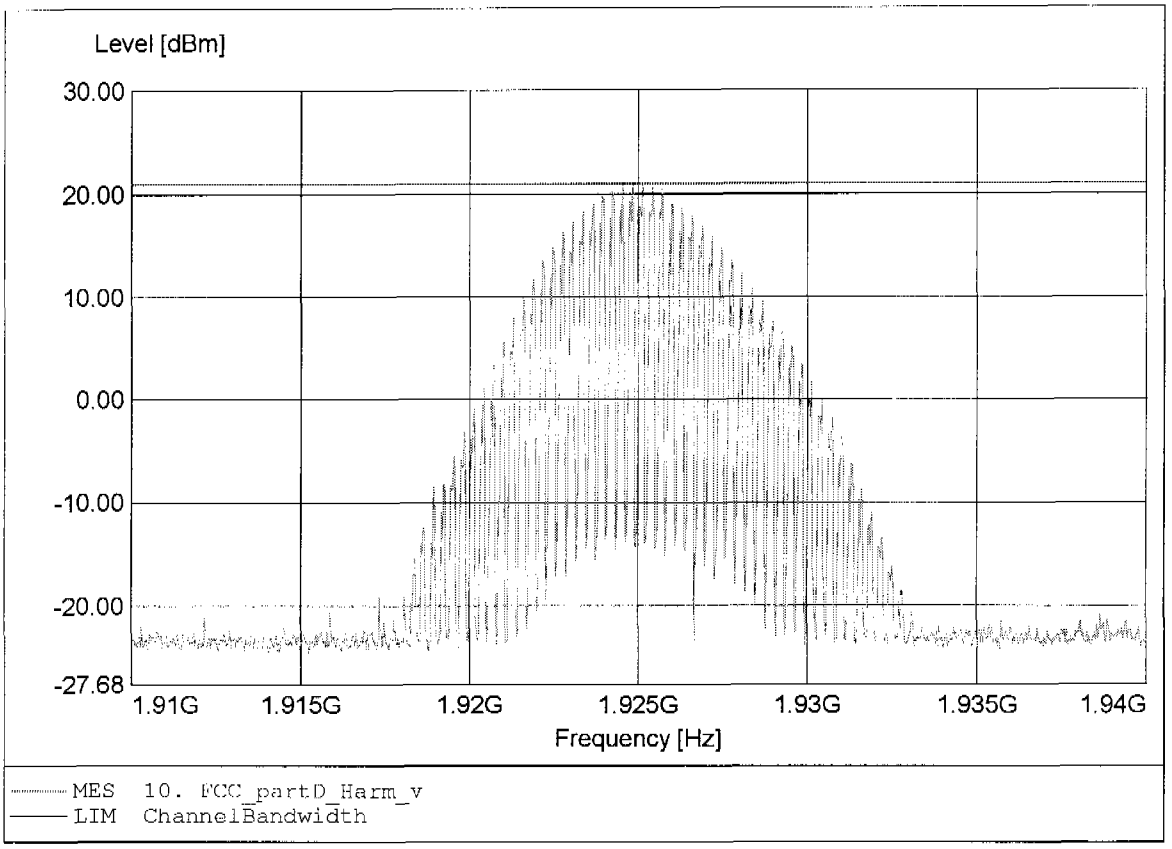
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 1 / Ch.: 4
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / module 0
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 3m, Ant.: HL 025,
Comment 2:	Freq:1.921GHz Pmax:10.33dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

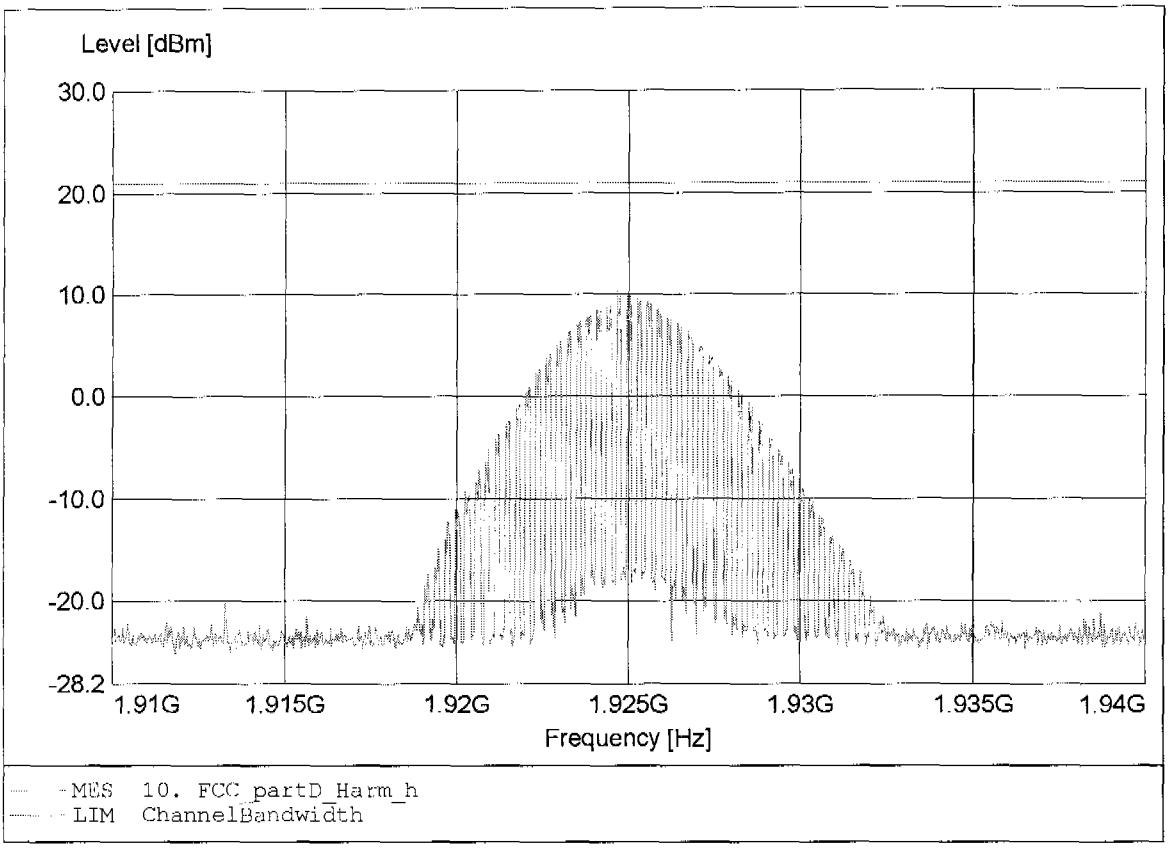
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 1 / Ch.: 2
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / module 0
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 3m, Ant.: HL 025,
Comment 2:	Freq:1.925GHz Pmax:21.53dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

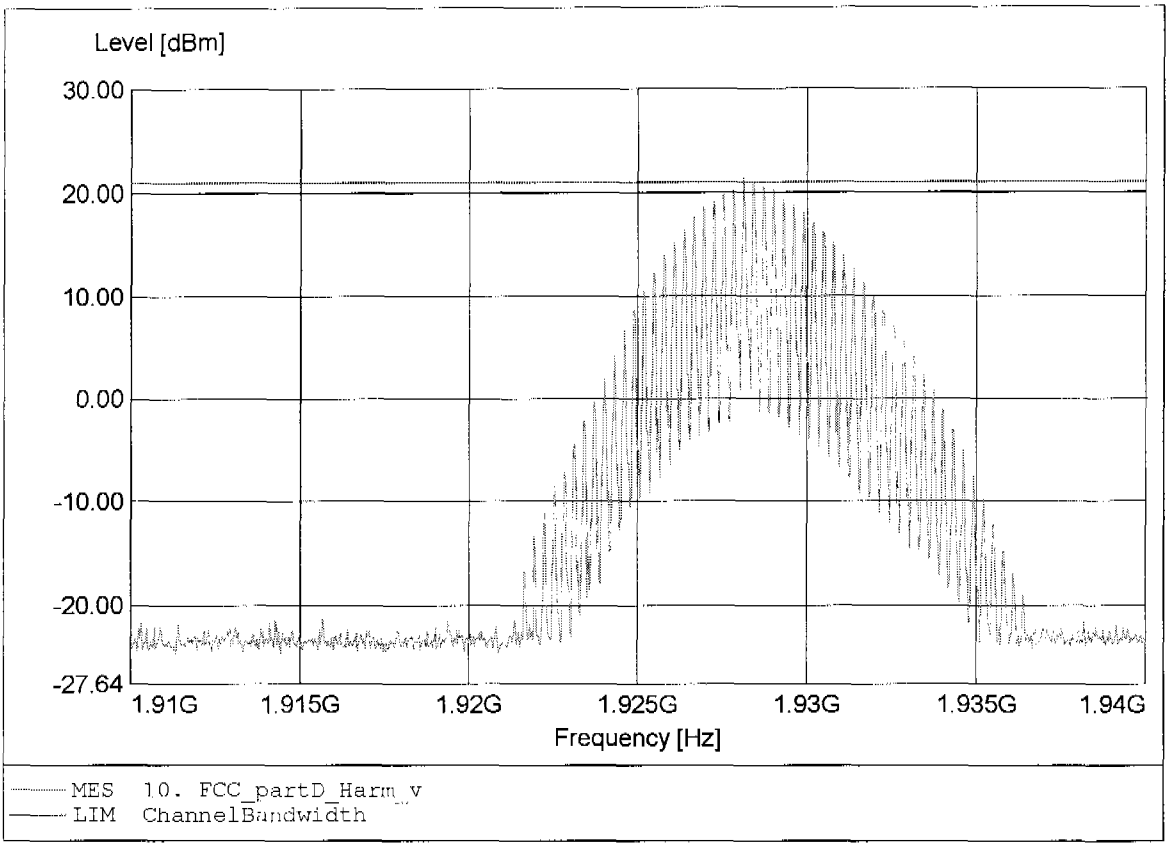
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 1 / Ch.: 2
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / module 0
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 3m, Ant.: HL 025,
Comment 2:	Freq:1.925GHz Pmax:10.33dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

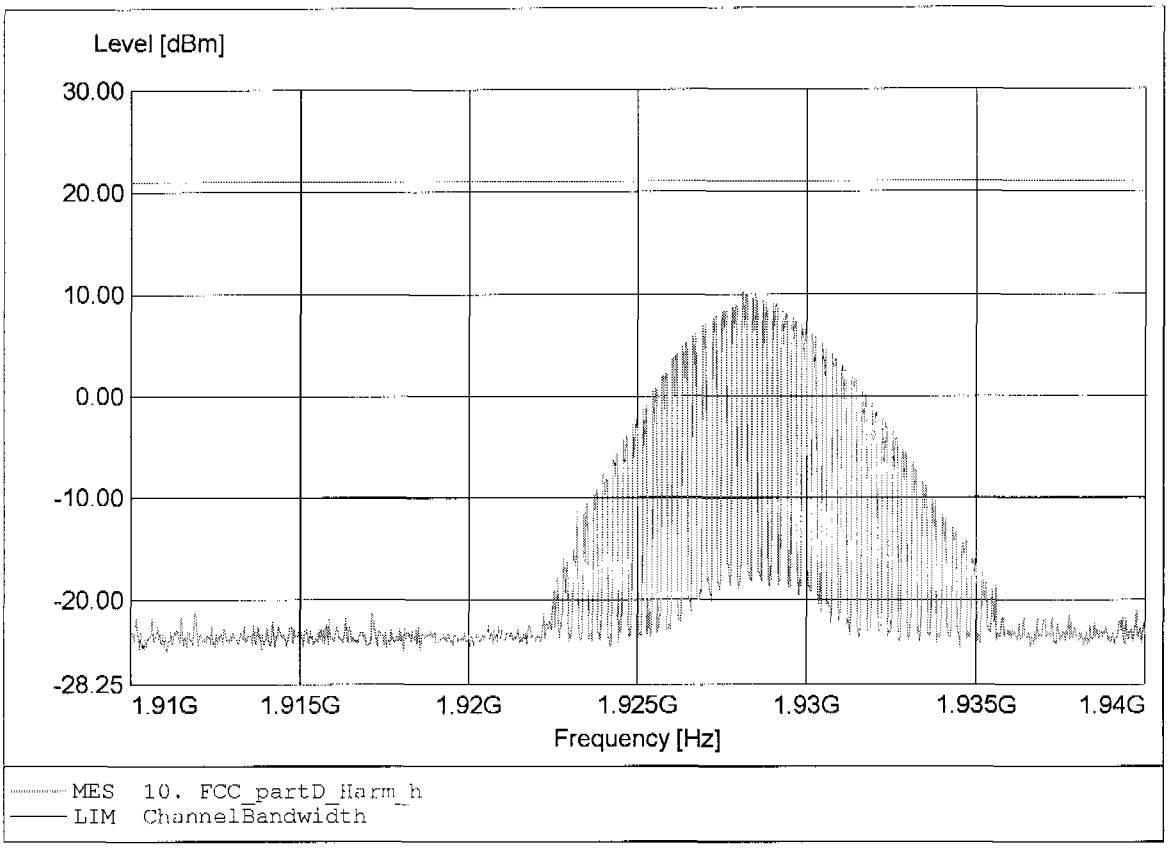
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 1 / Ch.: 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / module 0
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 3m, Ant.: HL 025,
Comment 2:	Freq:1.928GHz Pmax:21.48dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

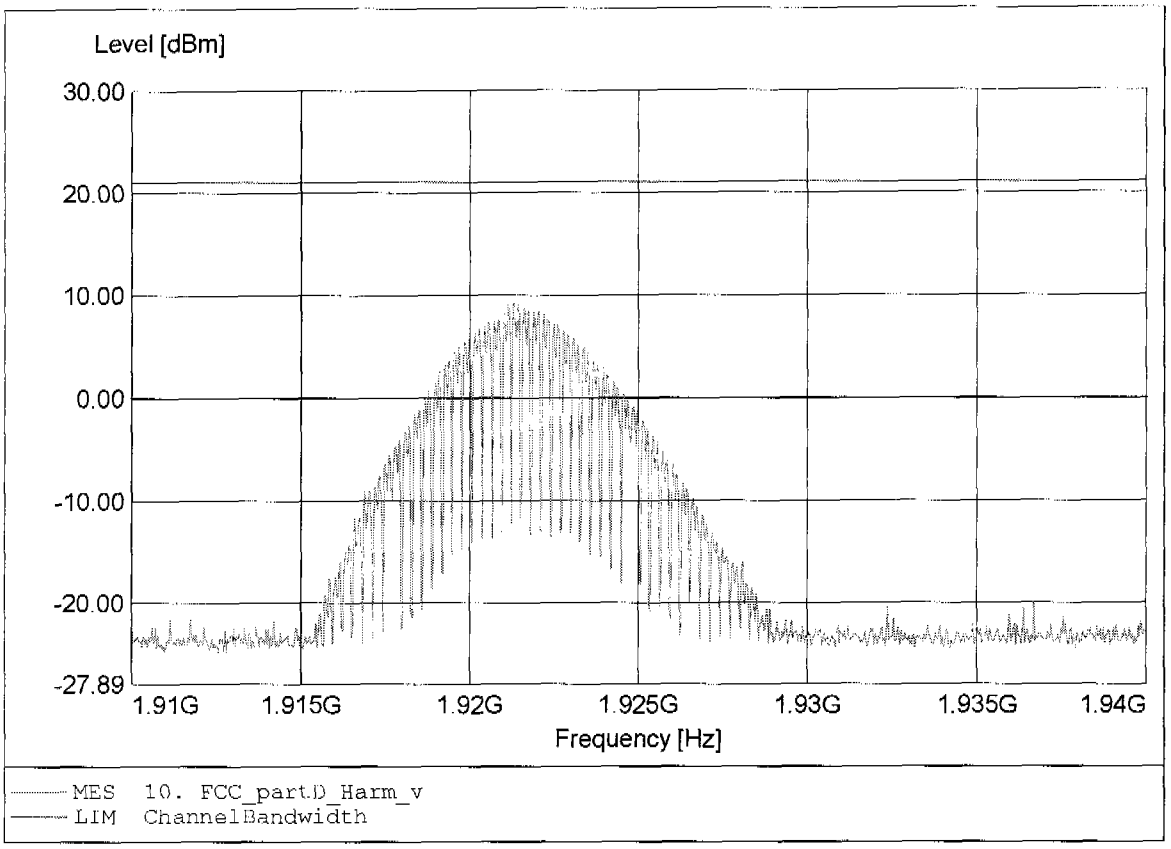
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 1 / Ch.: 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / module 0
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 3m, Ant.: HL 025,
Comment 2:	Freq:1.928GHz Pmax:10.25dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

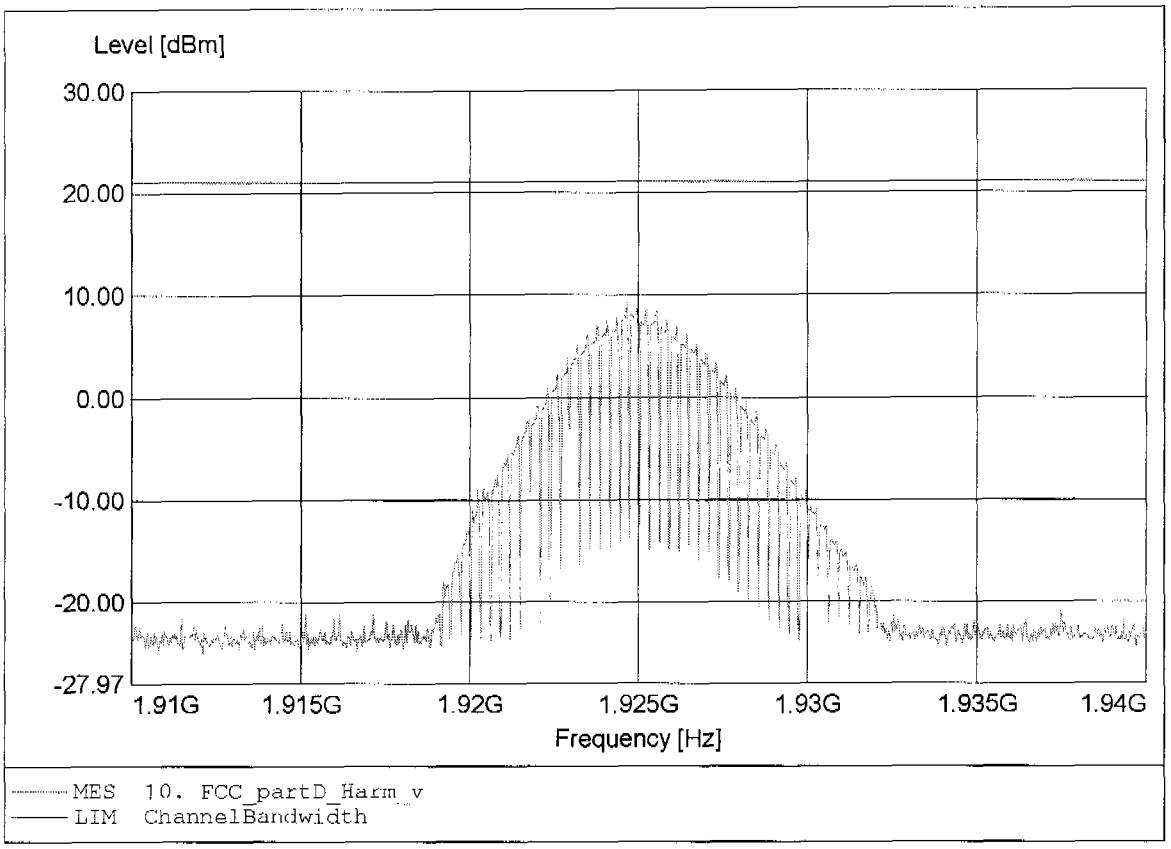
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / Ch.: 4
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / module 1
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 3m, Ant.: HL 025,
Comment 2:	Freq:1.921GHz Pmax:9.25dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

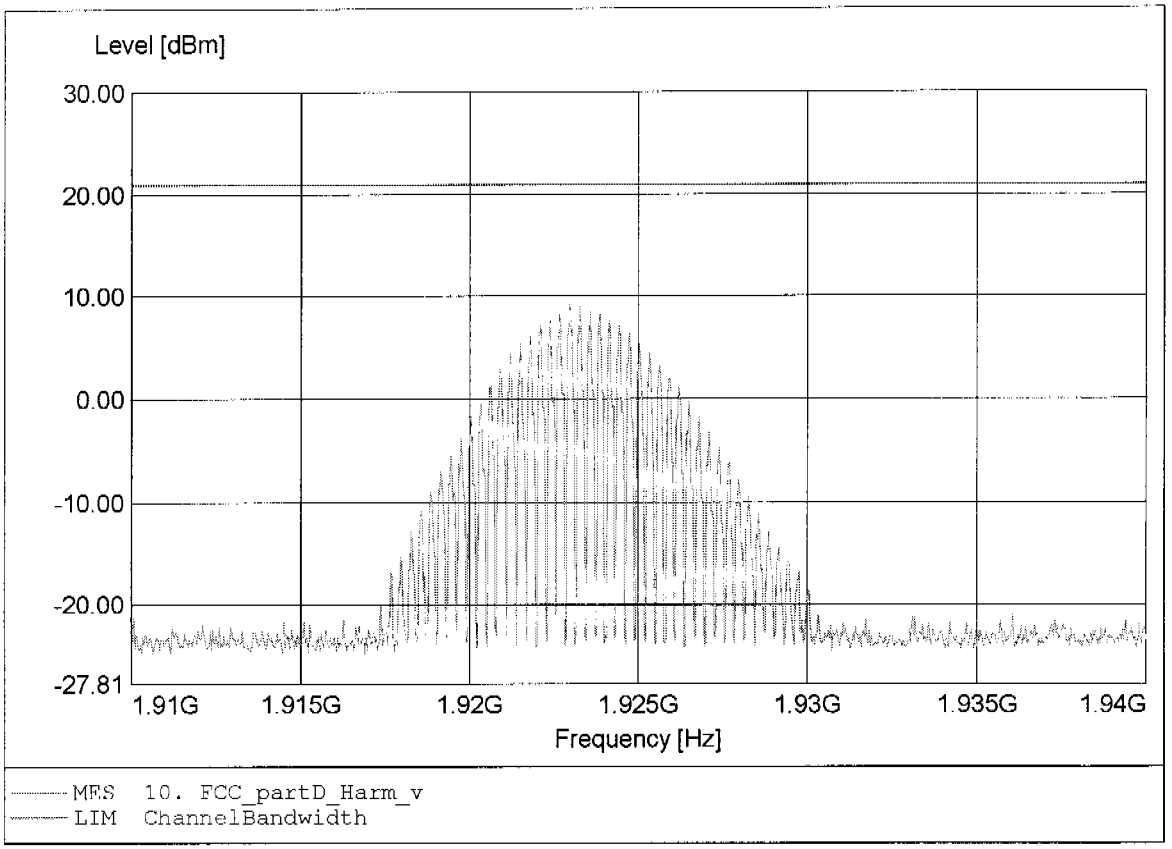
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / Ch.: 2
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / module 1
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 3m, Ant.: HL 025,
Comment 2:	Freq:1.925GHz Pmax:9.31dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

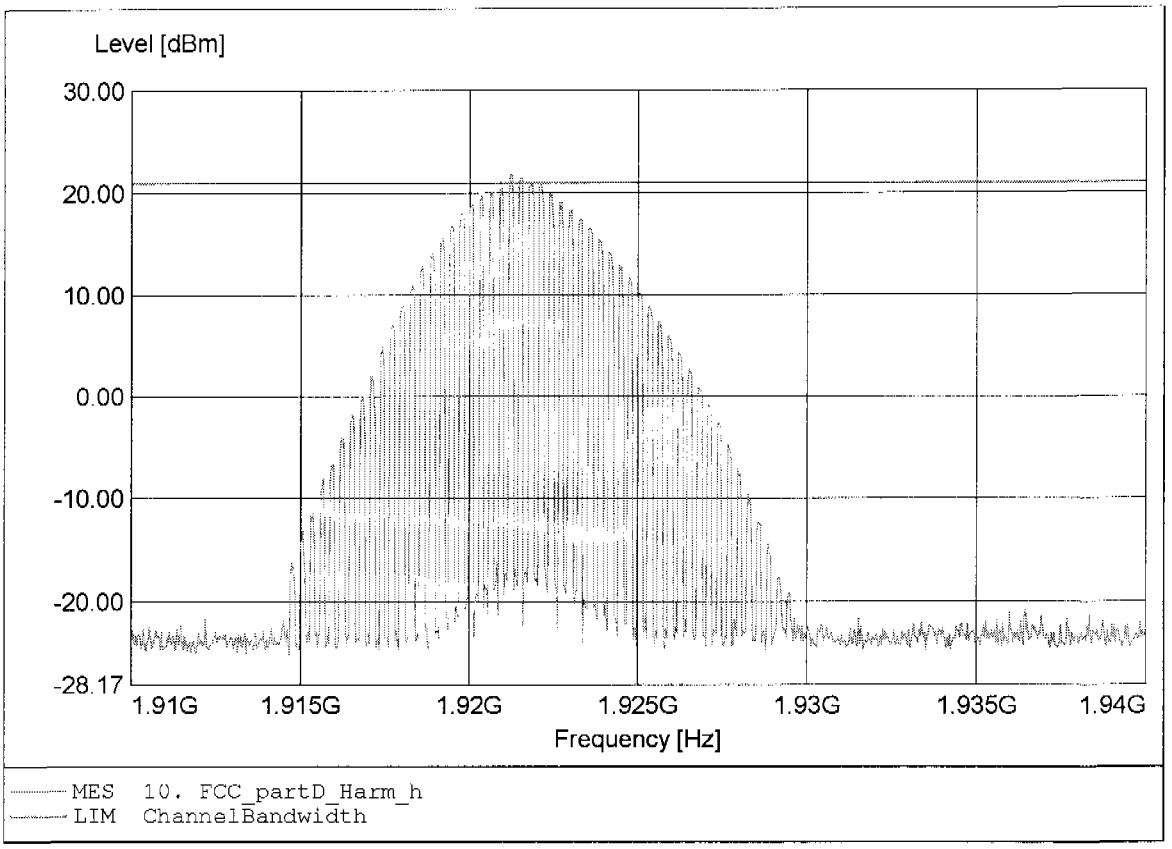
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / Ch.: 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / module 1
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 3m, Ant.: HL 025,
Comment 2:	Freq:1.923GHz Pmax:9.33dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

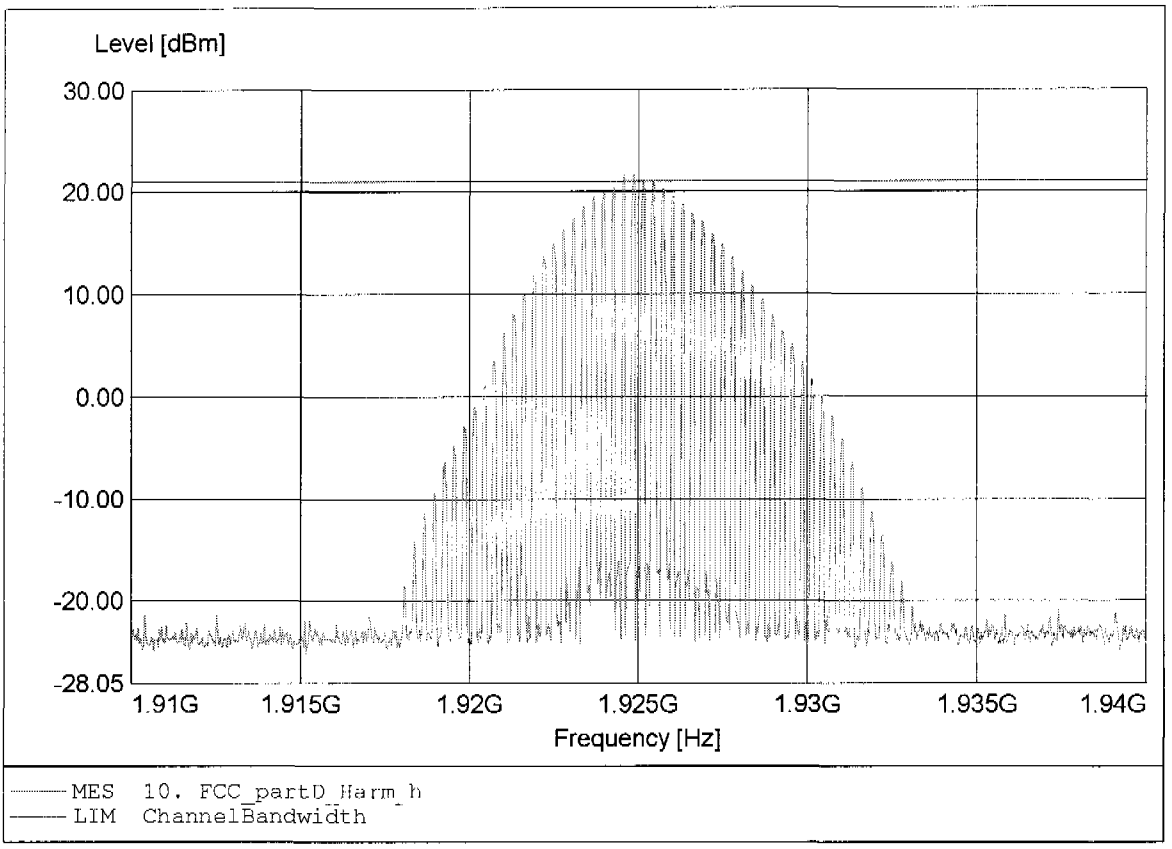
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / Ch.: 4
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / module 1
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 3m, Ant.: HL 025,
Comment 2:	Freq:1.921GHz Pmax:21.88dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

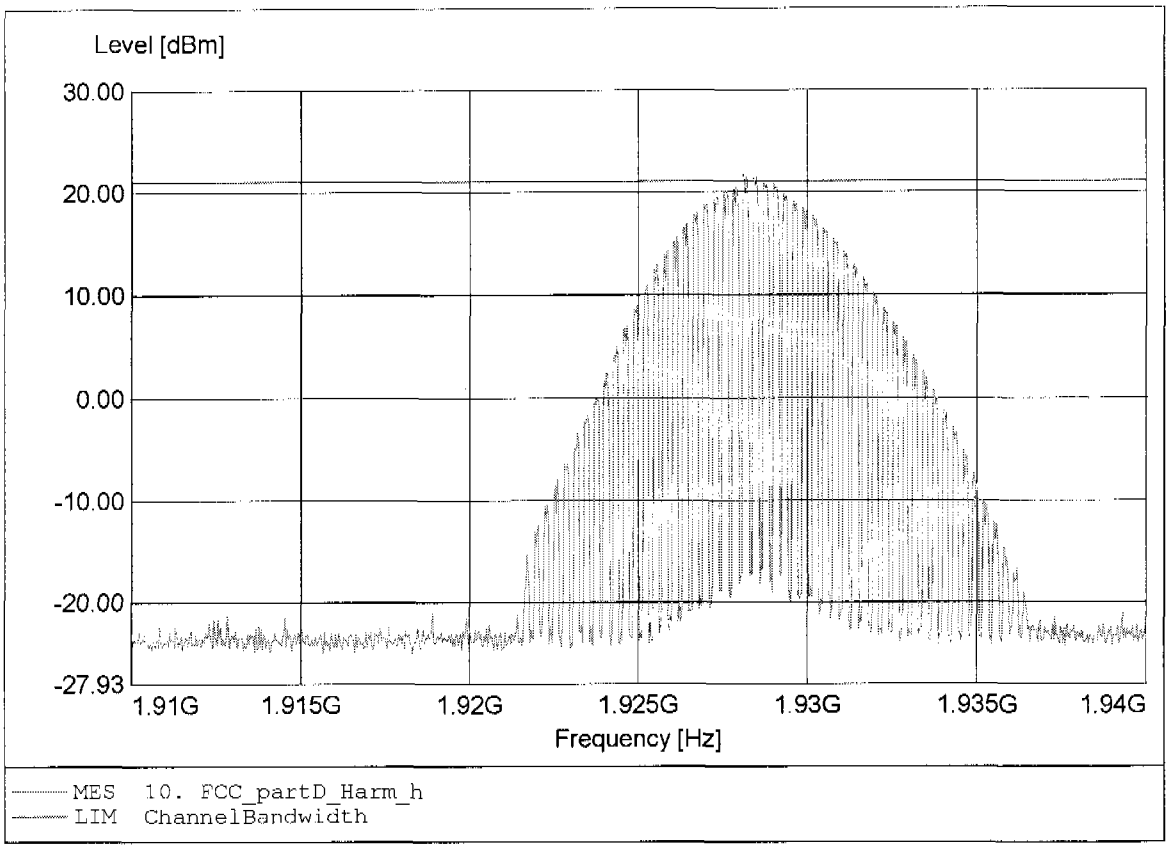
Approval Holder: NEC Philips Unified Solutions
EUT / ant. / Ch.: 3 IP DECT Basestation models / Ant. 0 / Ch.: 2
Model : AP200 NA/AP200S NA / AP200E NA / external Ant. / module 1
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 25°C / 120 VAC (AC/DC-adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.925GHz Pmax:21.61dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

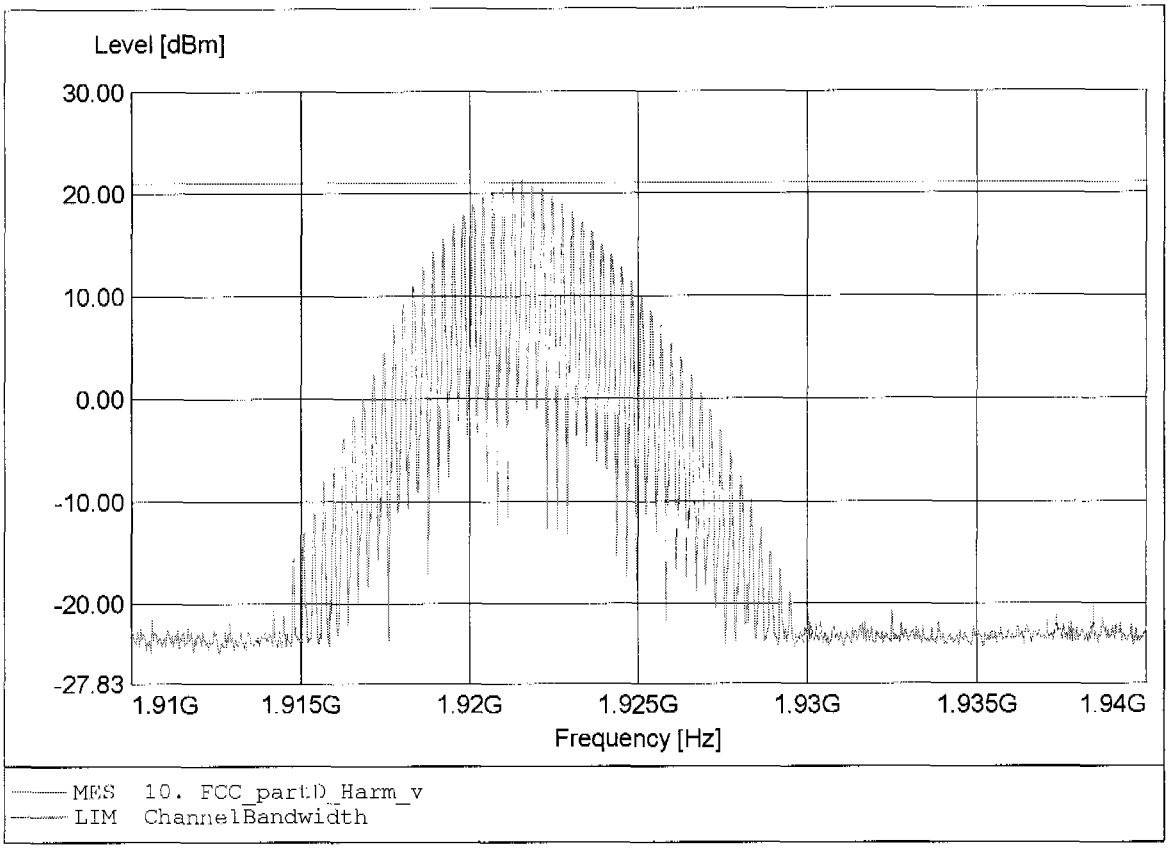
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / Ch.: 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / module 1
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 3m, Ant.: HL 025,
Comment 2:	Freq:1.928GHz Pmax:21.72dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

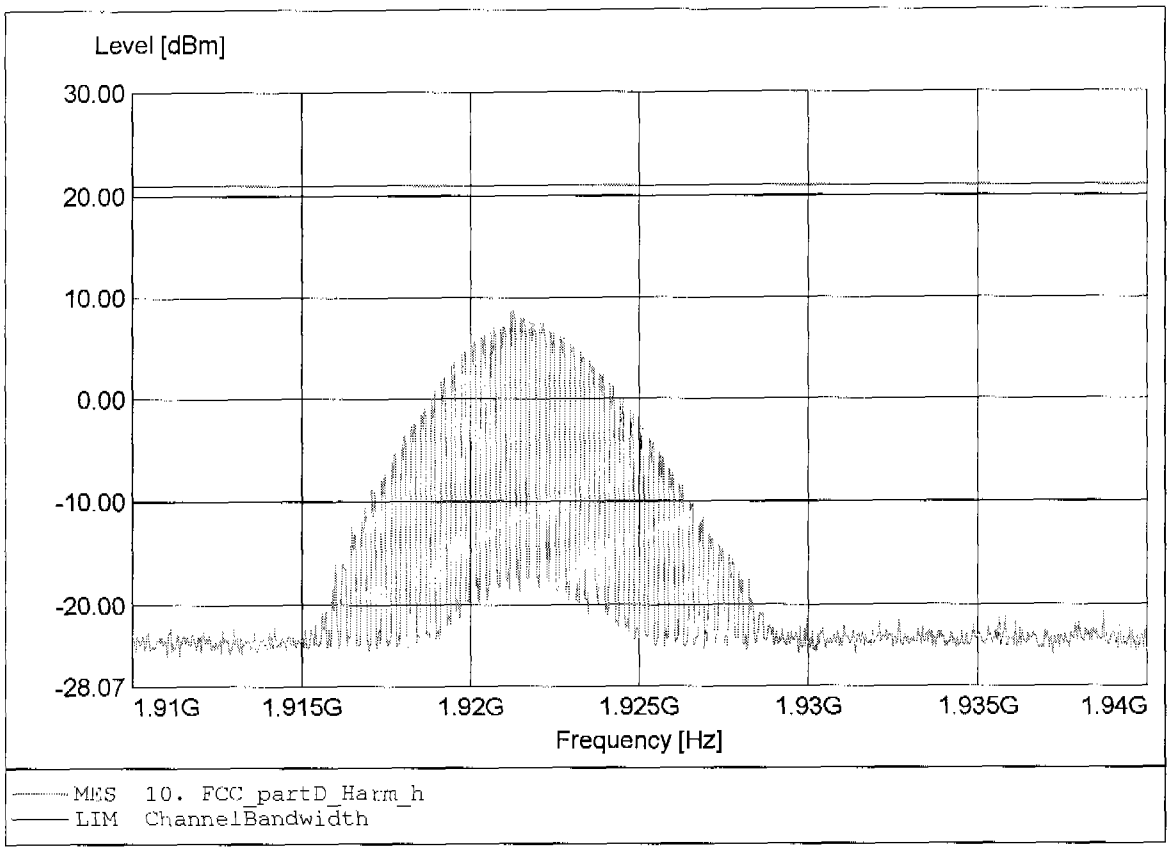
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 1 / Ch.: 4
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / module 1
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 3m, Ant.: HL 025,
Comment 2:	Freq:1.921GHz Pmax:21.84dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

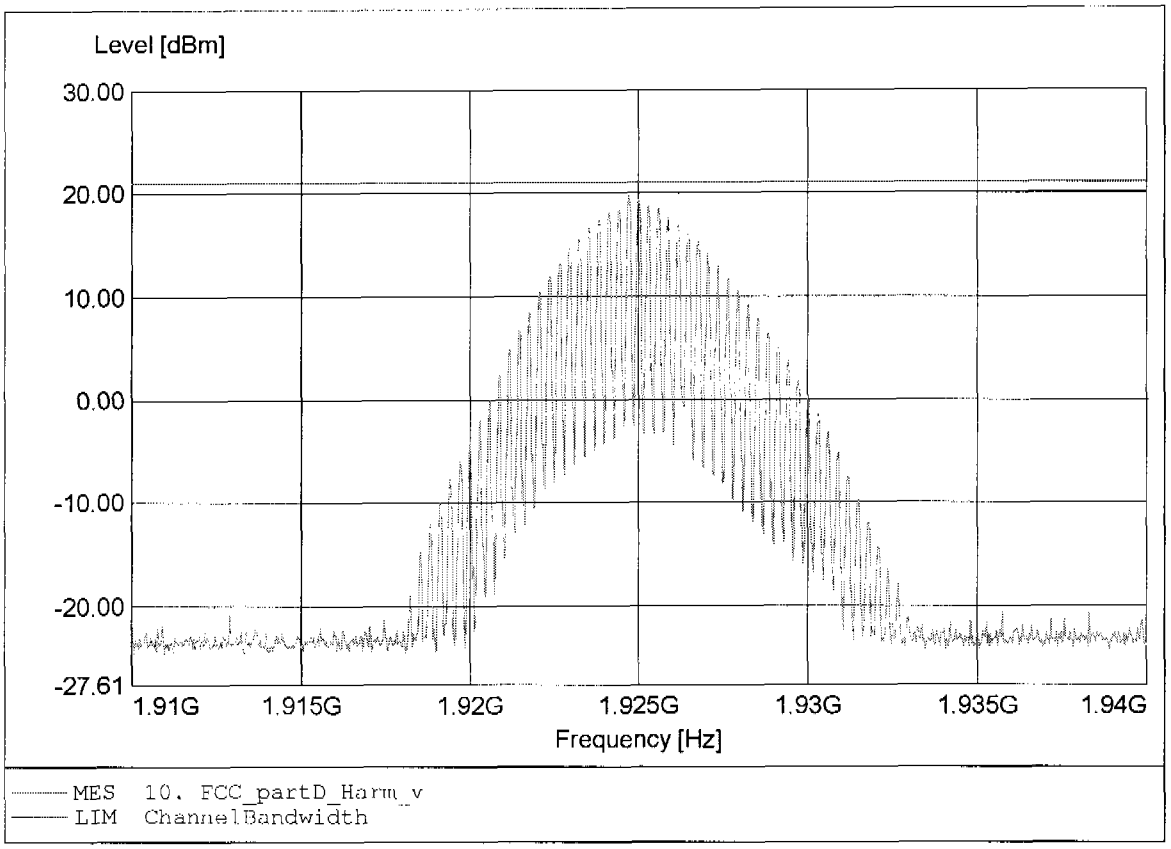
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 1 / Ch.: 4
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / module 1
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 3m, Ant.: HL 025,
Comment 2:	Freq:1.921GHz Pmax:8.63dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

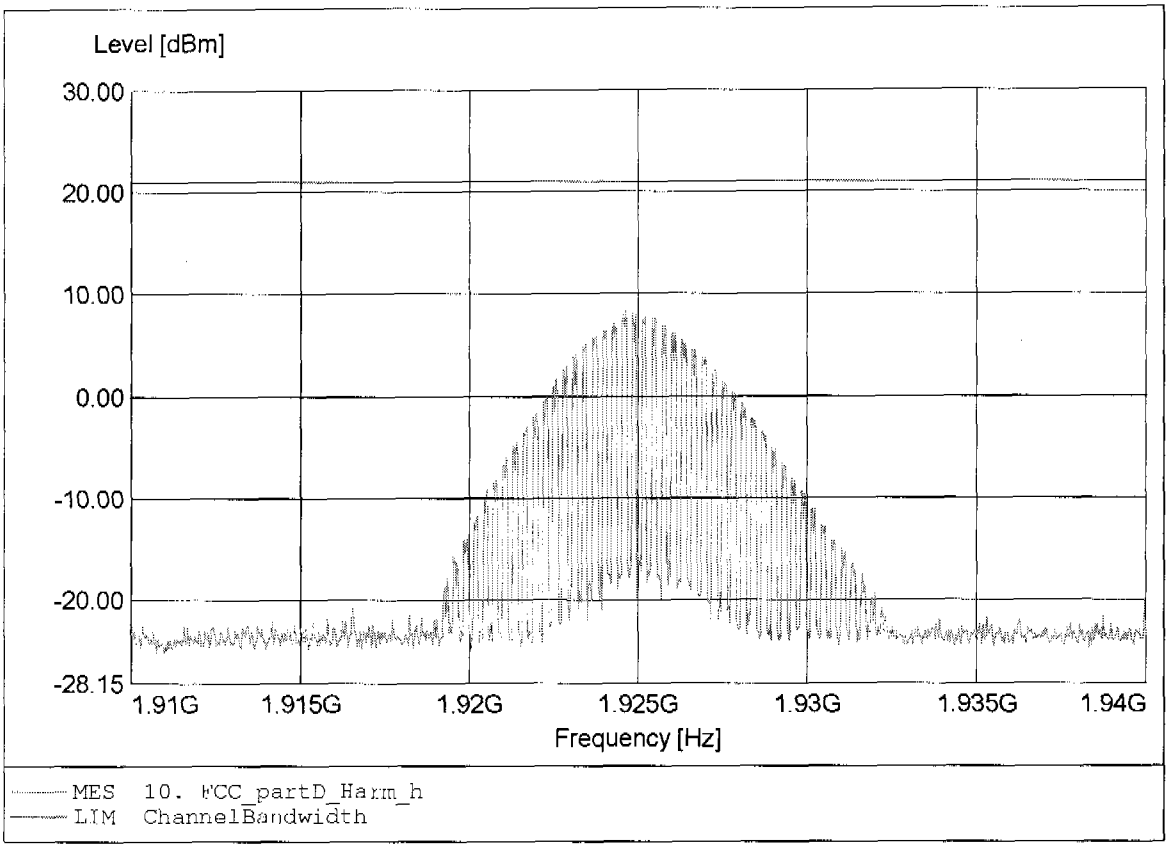
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 1 / Ch.: 2
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / module 1
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 3m, Ant.: HL 025,
Comment 2:	Freq:1.925GHz Pmax:19.72dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

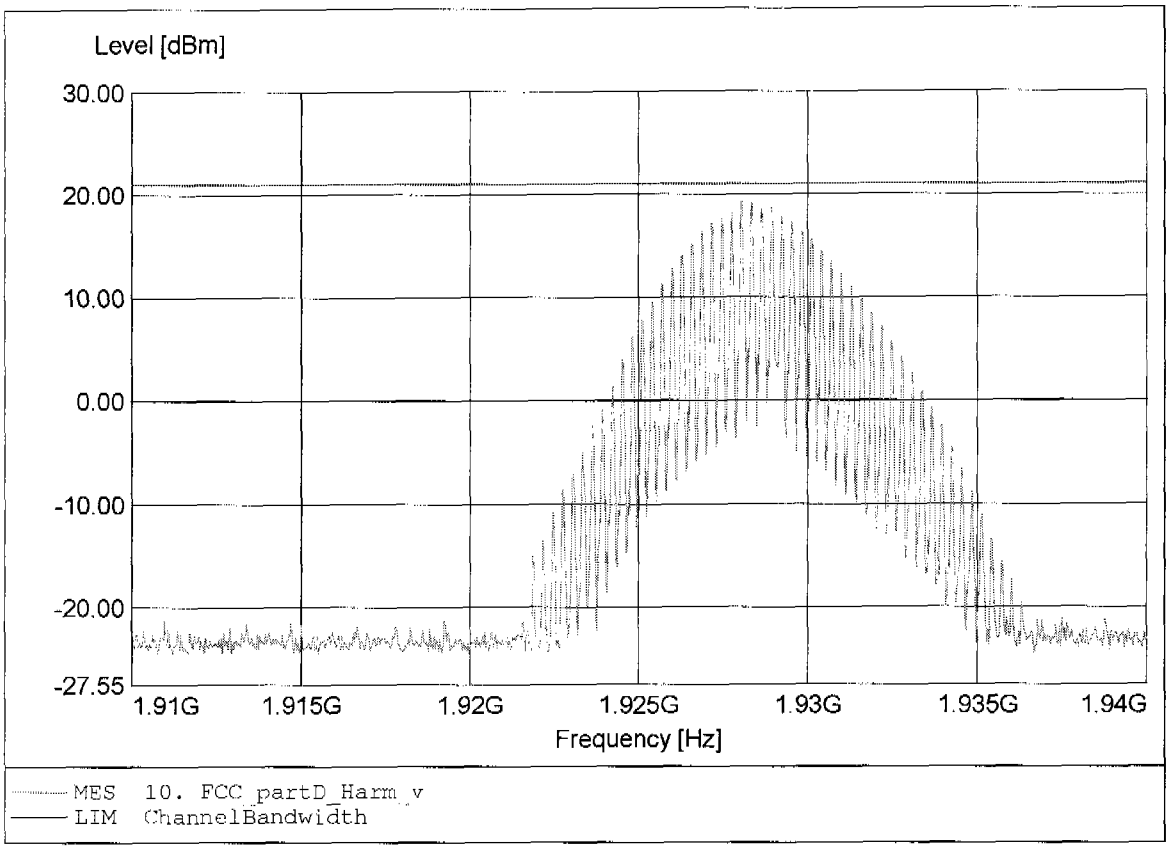
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 1 / Ch.: 2
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / module 1
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 3m, Ant.: HL 025,
Comment 2:	Freq:1.925GHz Pmax:8.40dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

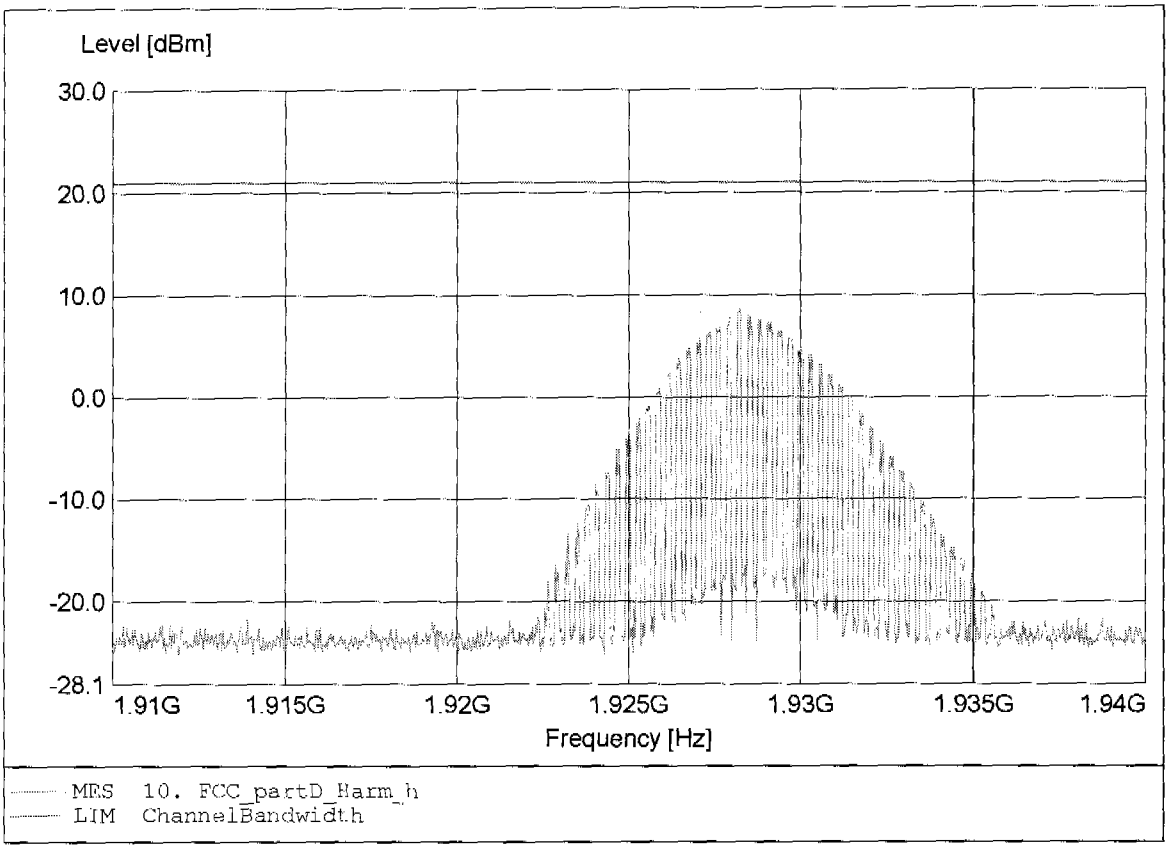
Approval Holder: NEC Philips Unified Solutions
EUT / ant. / Ch.: 3 IP DECT Basestation models / Ant. 1 / Ch.: 0
Model : AP200 NA/AP200S NA / AP200E NA / external Ant. / module 1
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 25°C / 120 VAC (AC/DC-adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.928GHz Pmax:19.42dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 1 / Ch.: 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / module 1
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 3m, Ant.: HL 025,
Comment 2:	Freq:1.928GHz Pmax:8.60dBm RBW: 5 MHz



Appendix J

Monitoring threshold

Test case	Rev. Draft ANSI_7.3.3_least_interfered_channel.xml Date 28.11.2006 10:29:10
Reference to the EUT	G0M20611-1021 / AP200 NA / AP200S NA / AP200E NA
Comment:	7.3.3_b 3 IP DECT Base station models NEC Philips Unified Solutions

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	
00:57:10.1875000	-85,3 -95,8	-86,1 -95,8	-86,4 -95,9	-86,2 -95,8	-87,1 -95,6	Interferer off
00:57:17.2968750	-60,3 -60,9	-60,1 -60,9	-60,3 -60,9	-71,1 -72,4	-76,3 -79,2	Interferer on
00:58:37.7500000	-59,2 -60,8	-58,8 -60,9	-58,3 -60,9	-46,6 -67	-21,9 -41,8	OK1
01:03:05.3750000	-60,5 -60,9	-60,5 -61	-60,7 -61,2	-71,3 -72,7	-76,8 -79,5	
01:04:33.4687500	-59,5 -60,9	-58,8 -60,9	-49,7 -60,8	-50,6 -74	-21,7 -46,2	OK 2
01:04:39.6406250	-60,5 -60,9	-60,5 -61	-60,7 -61,2	-71,3 -72,7	-77 -79,6	
01:06:16.5781250	-60,2 -60,9	-59,9 -60,9	-59,3 -60,9	-48,5 -70	-21,4 -45,3	OK 3
01:06:23.8750000	-60,5 -60,9	-60,6 -61	-60,7 -61,2	-71,2 -72,8	-76,8 -79,5	
01:07:37.6406250	-60,1 -60,9	-58,9 -60,9	-49,8 -60,8	-50,9 -74,4	-21,7 -45,5	OK 4
01:03:05.3750000	-60,5 -60,9	-60,5 -61	-60,7 -61,2	-71,3 -72,7	-76,8 -79,5	
01:04:33.4687500	-59,4 -60,9	-58,8 -607	-49,4 -60,8	-50,6 -75	-21,5 -46,2	OK 5

Test case: Rev. Draft ANSI_7.3.3_least_interfered_channel.xml
Date 28.11.2006 10:47:28

Reference to the EUT: G0M20611-1021 / AP200 NA / AP200S NA / AP200E NA

Comment: 7.3.3_c

3 IP DECT Basesation models
NEC Philips Unified Solutions

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	
01:13:29.8750000	-87,6 -96	-86,6 -95,5	-86,3 -95,5	-86,8 -95,7	-86,6 -95,5	Interferer on
01:13:36.5000000	-60,5 -60,9	-60,6 -61	-60,8 -61,2	-76,9 -79,6	-71 -72,7	Interferer on
01:15:14.5625000	-59,7 -60,9	-59,1 -60,9	-48,5 -60,7	-21,8 -45,9	-50,1 -70,8	OK 1
01:15:22.6406250	-60,5 -60,9	-60,6 -61	-60,8 -61,2	-76,6 -79,7	-71,4 -72,7	
01:16:58.7187500	-59,7 -60,9	-59,6 -60,9	-50,8 -60,8	-21,7 -45,6	-51,3 -70,9	OK 2
01:17:39.8437500	-60,5 -60,9	-60,5 -61	-60,8 -61,2	-76,9 -79,6	-71,2 -72,7	
01:21:11.3437500	-59,7 -60,9	-59,6 -60,9	-46,7 -60,7	-21,3 -45,5	-49,8 -70,8	OK 3
01:21:24.8125000	-60,4 -60,9	-60,6 -61	-60,7 -61,2	-76,7 -79,6	-71,4 -72,7	
01:23:01.1406250	-59,8 -60,9	-60 -60,9	-49,5 -60,8	-22,3 -46	-50,9 -70,9	OK 4
01:23:19.9531250	-60,4 -60,8	-60,5 -60,9	-60,6 -61	-76,7 -79,4	-70,9 -72,4	
01:24:42.0312500	-59,4 -60,9	-57,8 -60,9	-48,6 -60,4	-21,8 -41,7	-49,1 -68,5	OK 5

Test case	Rev. Draft ANSI_7.3.3_least_interfered_channel.xml Date 28.11.2006 11:02:37
Reference to the EUT	G0M20611-1021 / AP200 NA / AP200S NA / AP200E NA
Comment:	7.3.3_d 3 IP DECT Base station models NEC Philips Unified Solutions

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	
01:29:33.9843750	-86,4 -95,7	-86 -95,6	-85,5 -95,7	-86,9 -95,7	-87,2 -95,9	Interferer on
01:29:46.5937500	-60,4 -60,9	-60,6 -61	-60,7 -61,2	-76 -78,7	-80,4 -85,4	Interferer off
01:32:29.9062500	-59,5 -60,9	-59,7 -60,9	-58,7 -60,9	-47,4 -71,2	-21,8 -45,3	OK 1
01:32:38.7187500	-60,5 -60,9	-60,6 -61	-60,8 -61,2	-76 -78,7	-80,1 -85,3	
01:33:48.0625000	-60,1 -60,9	-59,9 -60,9	-58,9 -61	-48,4 -72,1	-21,4 -45,8	OK 2
01:34:03.0781250	-60,5 -60,9	-60,6 -61	-60,7 -61,2	-75,8 -78,6	-80,5 -85,4	
01:38:36.9531250	-60 -60,9	-59,5 -60,9	-60,1 -61	-48,2 -72,3	-21,4 -45,9	OK 3
01:38:47.2187500	-60,4 -60,9	-60,6 -61	-60,7 -61,2	-75,7 -78,7	-80,4 -85,3	
01:39:50.3281250	-59,7 -60,9	-60 -60,9	-59,5 -61	-48,1 -71,9	-21,4 -45,4	OK 4
01:40:05.6250000	-60,4 -60,9	-60,5 -60,9	-60,6 -61	-76,2 -78,4	-79,9 -85,2	
01:41:08.3437500	-60,3 -60,9	-60 -60,9	-60 -61	-47,7 -71,9	-21,6 -45,4	OK 5

Test case	Rev. Draft ANSI_7.3.2_upper_threshold.xml Date 28.11.2006 10:01:59
Reference to the EUT	G0M20611-1021 / AP200 NA / AP200S NA / AP200E NA
Comment:	initial setup 3 IP DECT Base station models NEC Philips Unified Solutions

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	
00:31:33.8125000	-49,9 -50,3	-49,9 -50,3	-49,9 -50,3	-50,2 -50,6	-49,9 -50,3	-50 dBm
00:31:52	-50,9 -51,3	-50,9 -51,3	-50,9 -51,4	-51,2 -51,6	-50,9 -51,3	-51 dBm
00:32:03.1250000	-51,9 -52,3	-51,8 -52,3	-52 -52,4	-52,2 -52,6	-51,8 -52,3	-52 dBm
00:32:13.6875000	-52,9 -53,3	-52,8 -53,3	-52,9 -53,4	-53,2 -53,6	-52,9 -53,3	-53 dBm
00:32:24.0937500	-53,8 -54,3	-53,8 -54,3	-53,9 -54,4	-54,2 -54,6	-53,8 -54,3	-54 dBm
00:32:36.0468750	-54,7 -55,2	-54,7 -55,2	-54,9 -55,3	-55,1 -55,6	-54,8 -55,2	-55 dBm
00:32:45.7187500	-55,7 -56,2	-55,7 -56,2	-55,7 -56,4	-55,7 -56,3	-55,7 -56,2	-56 dBm
00:32:55.7343750	-56,7 -57,2	-56,7 -57,2	-56,7 -57,3	-56,8 -57,3	-56,8 -57,2	-57 dBm
00:33:06.1250000	-57,7 -58,2	-57,7 -58,2	-57,6 -58,2	-57,7 -58,3	-57,8 -58,2	-58 dBm
00:33:17.2031250	-58,6 -59,2	-58,6 -59,2	-58,6 -59,2	-58,7 -59,3	-58,7 -59,2	-59 dBm
00:33:33.8593750	-59,6 -60,3	-59,7 -60,2	-59,8 -60,3	-59,8 -60,3	-59,7 -60,2	-60 dBm
00:33:43.4375000	-60,6 -61,2	-60,6 -61,2	-60,7 -61,3	-60,8 -61,3	-60,6 -61,2	-61 dBm
00:33:54.1250000	-61,7 -62,2	-61,4 -62,2	-61,7 -62,4	-61,6 -62,3	-61,6 -62,2	-62 dBm
00:34:04.0781250	-62,6 -63,2	-62,5 -63,2	-62,7 -63,3	-62,6 -63,3	-62,5 -63,2	-63 dBm
00:34:14.7656250	-63,5 -64,2	-63,6 -64,2	-63,6 -64,3	-63,5 -64,3	-63,5 -64,2	-64 dBm
00:34:29.9843750	-64,4 -65,2	-64,4 -65,2	-64,5 -65,3	-64,6 -65,3	-64,5 -65,3	-65 dBm

00:34:42.5937500	-65,4 -66,2	-65,5 -66,2	-65,6 -66,3	-65,6 -66,4	-65,5 -66,3	-66 dBm
00:34:54.2187500	-66,3 -67,2	-66,3 -67,2	-66,4 -67,2	-66,5 -67,4	-66,3 -67,2	-67 dBm
00:35:10.3281250	-67,2 -68,2	-67,2 -68,1	-67,3 -68,2	-67,1 -68,4	-67,4 -68,3	-68 dBm
00:35:20.5000000	-68 -69,2	-67,9 -69,1	-68,3 -69,2	-68,3 -69,4	-68,2 -69,2	-69 dBm
00:35:30.3593750	-69,1 -70,2	-69,1 -70,2	-69,1 -70,3	-69 -70,4	-69,3 -70,3	-70 dBm
00:35:40.9843750	-70,1 -71,2	-70 -71,2	-70 -71,3	-70,1 -71,4	-69,8 -71,3	-71 dBm
00:35:58.2656250	-68,5 -72,2	-68,2 -72,2	-66,2 -72,4	-48 -69,8	-21,4 -45,1	-72 dBm