Appendix K

Monitoring of intended transmit window and maximum reaction time

Test case	Rev. Draft ANSI_7.5_reaction_time_low_ch.xml Date 28.11.2006 11:47:36
Reference to the EUT	G0M20611-1021 / AP200 NA / AP200S NA / AP200E NA
Comment:	7.5_low_ch_50 / 35us 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	
02:24:30	-86,4 -95,7	-86,8 -95,7	-86,3 -95,6	-87,2 -95,7	-86,3 -95,7	Interferer off
02:25:16.3593750	-47,9 -72,8	-21,8 -45,7	-50,4 -76,2	-70,8 -93	-74,6 -94,5	Dummy on channel 1
02:25:25.6562500	-56 -71,8	-60,3 -60,8	-60,3 -60,9	-60,4 -61	-60,3 -60,9	50 µs interference on, dummy release
02:25:33.5000000	-77,6 -93,7	-74,5 -92,3	-70,4 -90	-47,7 -70	-21,4 -41,7	Interference off, Dummy on channel 4
02:26:12.7968750	-50,9 -67,5	-60,3 -60,8	-60,4 -60,9	-60,4 -61	-60,3 -60,9	35 µs interference on, dummy release

Test case	Rev. Draft ANSI_7.5_reaction_time_high_ch.xml Date 28.11.2006 11:40:50
Reference to the EUT	G0M20611-1021 / AP200 NA / AP200S NA / AP200E NA
Comment:	7.5_high_ch_50 / 35us 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	
02:17:41.9218750	-86 -95,7	-86,4 -95,8	-86,2 -95,6	-87,1 -95,8	-85,8 -95,8	Interference off
02:18:17.9687500	-71,6 -92,6	-48,3 -73,2	-21,5 -45,2	-50,7 -75,4	-71,2 -93,1	Dummy on channel2
02:18:27.9843750	-60,3 -60,9	-60,4 -60,9	-60,3 -60,9	-60,2 -60,9	-56,5 -71,8	50 µs Interference on, dummy release
02:18:43.9531250	-78,9 -94,8	-75,1 -94,7	-69,5 -93	-48 -73	-22,2 -46,1	Interference off
02:19:22.6250000	-60,4 -60,9	-60,3 -60,9	-60,3 -60,9	-60,3 -60,9	-50,9 -68,4	35 µs Interference on, dummy release

Appendix L

Monitoring bandwidth

Test case	Rev. Draft ANSI_7.4.1_monitoring_bandwidth.xml Date 28.11.2006 11:27:25
Reference to the EUT	G0M20611-1021 / AP200 NA / AP200S NA / AP200E NA
Comment:	7.4.1 simple compliance test_ low_+30% 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	
02:05:23.1875000	-86,6 -95,7	-85,7 -95,5	-85,7 -95,7	-87,3 -95,7	-86,4 -95,7	Interferer off
02:05:52.7187500	-70,2 -92,5	-47,3 -71,8	-21,6 -45,4	-49,6 -74,4	-70,3 -92,7	Dummy bearer on channel 2
02:06:01.6718750	-85,4 -95,7	-60,2 -60,8	-60,3 -60,9	-60,3 -61	-60,4 -60,9	Interferer on, dummy release

Test case	Rev. Draft ANSI_7.4.1_monitoring_bandwidth.xml Date 28.11.2006 11:23:05
Reference to the EUT	G0M20611-1021 / AP200 NA / AP200S NA / AP200E NA
Comment:	7.4.1 simple compliance test_ low_-30% 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	
01:59:47.4843750	-87 -95,6	-86,8 -95,5	-86,6 -95,6	-86,8 -95,8	-86,8 -95,5	Interferer off
02:00:51.3906250	-70,4 -92,8	-48,4 -73,4	-21,8 -46,5	-50,1 -75,5	-73 -94,2	Dummy bearer on channel 2
02:01:04	-85,7 -95,4	-60,3 -60,8	-60,3 -60,9	-60,4 -61	-60,3 -60,9	Interferer on, Dummy release

Test case	Rev. Draft ANSI_7.4.1_monitoring_bandwidth.xml Date 28.11.2006 11:34:09
Reference to the EUT	G0M20611-1021 / AP200 NA / AP200S NA / AP200E NA
Comment:	7.4.1 simple compliance test_high_+30% 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	
02:11:42.8906250	-86 -95,7	-85,8 -95,6	-86,7 -95,8	-86,5 -95,8	-86,4 -95,8	Interferer off
02:12:37.0156250	-73,4 -93,8	-48,6 -73,4	-21,5 -45,7	-50,9 -75,4	-70,8 -94	Dummy bearer on channel 2
02:12:45.0937500	-60,4 -60,9	-60,4 -60,9	-60,4 -60,9	-60,4 -60,9	-87 -95,6	Interferer on, dummy release

Test case	Rev. Draft ANSI_7.4.1_monitoring_bandwidth.xml Date 28.11.2006 11:30:40
Reference to the EUT	G0M20611-1021 / AP200 NA / AP200S NA / AP200E NA
Comment:	7.4.1 simple compliance test_ high_-30% 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	
02:08:21.5000000	-85,5 -95,6	-85,7 -95,5	-86 -95,7	-85,6 -95,5	-86,8 -95,8	Interferer off
02:08:59.7187500	-73,5 -94,4	-73,8 -94	-48 -73,4	-21,5 -45,3	-50,8 -75,7	Dummy bearer on channel 3
02:09:14.4218750	-60,3 -60,9	-60,5 -60,9	-60,3 -60,9	-60,3 -60,9	-85,2 -95,4	Interferer on, dummy release

Appendix M

Random waiting interval

Appendix N

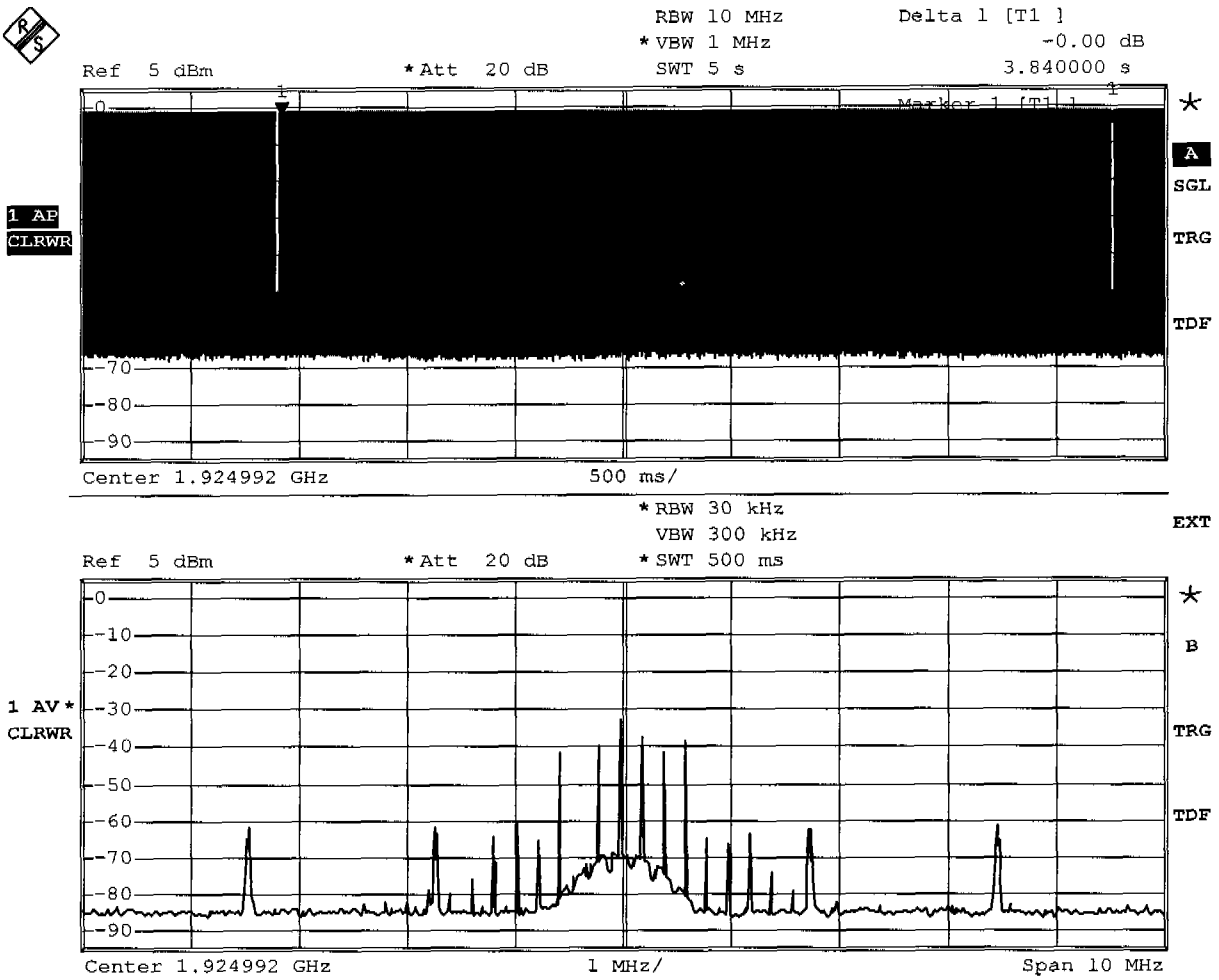
Duration of Transmission

Appendix O

Connection acknowledgement

ANSI C63.17-1998 Rev. Draft ANSI 8.1.1 Access criteria test interval
UPCS1900

EUT	3 IP DECT Basestation models
Model	AP200 NA / AP200S NA / AP200E NA
Approval Holder	NEC Philips Unified Solutions
Temperature / Voltage	23°C
Test Site / Operator	ETS
Test Specification	ANSI C63.17-1998 Rev. Draft ANS 8.1.1 Access criteria test interval
Comment 1	The interval between access criteria tests
Comment 2	Measurement result: 3.84 sec
Comment 3	Verdict: PASS

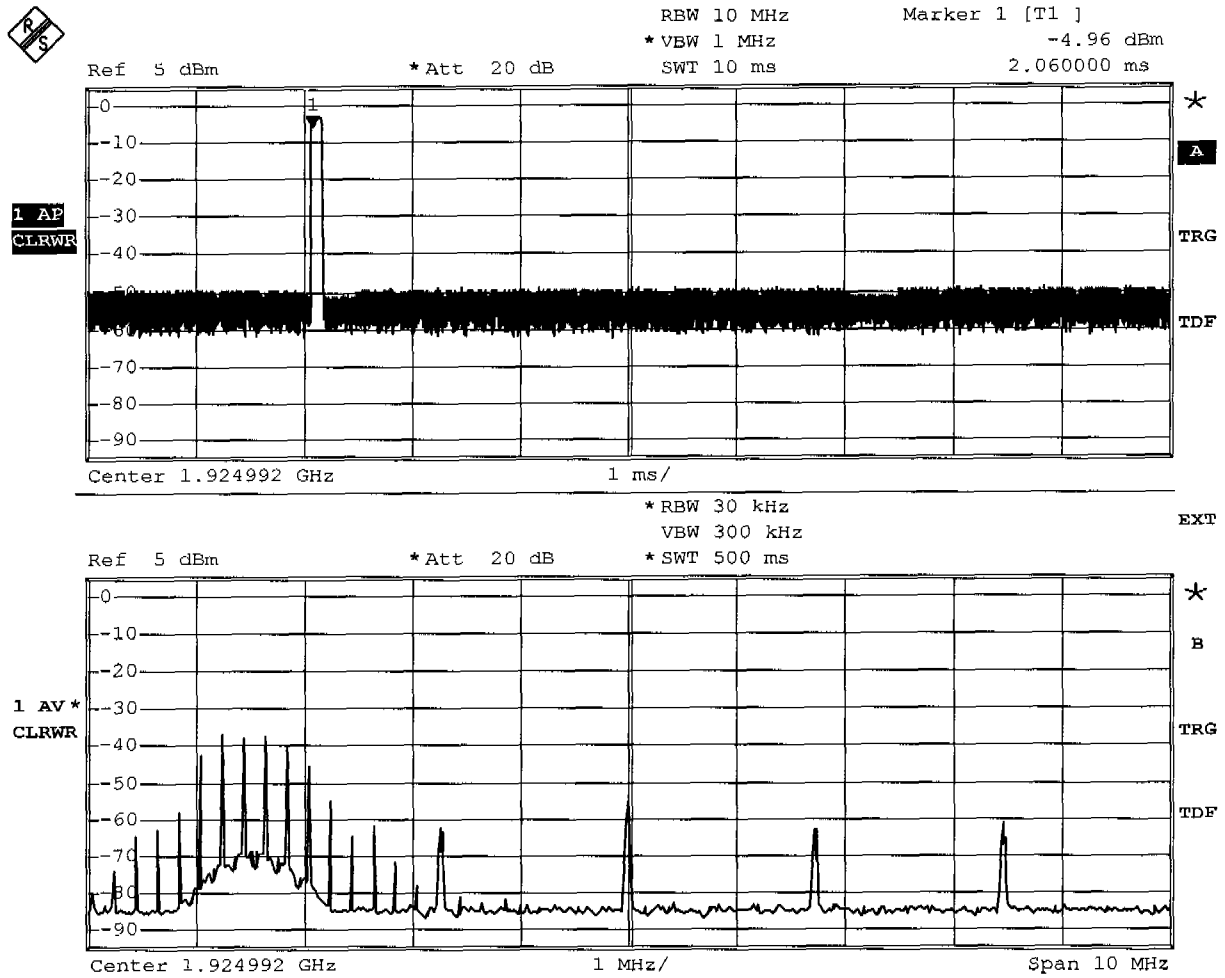


Date: 28.NOV.2006 12:39:03

Measurement diagram

ANSI C63.17-1998 Rev. Draft ANSI 8.1.2 Access criteria functional test
UPCS1900

EUT	3 IP DECT Basestation models
Model	AP200 NA / AP200S NA / AP200E NA
Approval Holder	NEC Philips Unified Solutions
Temperature / Voltage	23°C
Test Site / Operator	ETS
Test Specification	ANSI C63.17-1998 Rev. Draft ANSI 8.1.2 Access criteria functional test
Comment 1	CW interference on ch 2 (initial traffic channel)
Comment 2	after the next pause
Comment 3	New connection at channel 4 (1921,536 MHz)



Date: 28.NOV.2006 13:08:23

Measurement diagram

Appendix P

Selected channel, power accuracy, segment occupancy

Test case	Rev. Draft ANSI_7.3.4_selected channel confirmation.xml Date 28.11.2006 11:18:13
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	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	
01:56:05.2656250	-87 -95,8	-87 -95,6	-85,2 -95,8	-85,8 -95,6	-86,2 -95,8	Interferer off
01:56:09.3125000	-60,5 -60,9	-60,6 -61	-60,8 -61,2	-77 -79,6	-76,8 -79,6	Interferer on
01:56:30.5468750	-60,3 -60,9	-59,3 -60,9	-59,8 -61	-48,7 -72,5	-21,6 -46	OK 1
01:56:44.6718750	-59,5 -60,9	-59,9 -60,9	-46,3 -60,6	-21,8 -45,5	-51 -74,1	OK 2

Appendix Q

Duplex connections

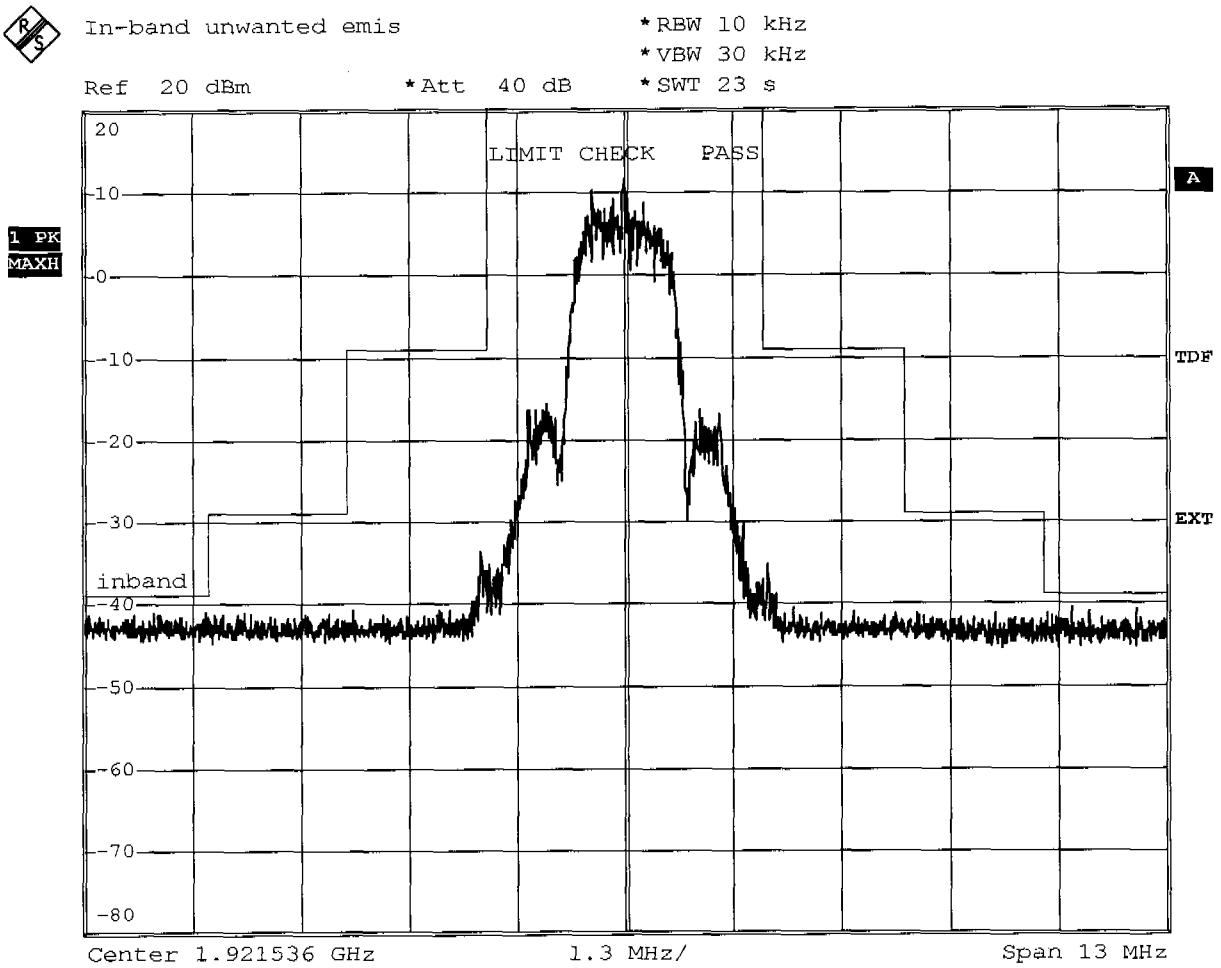
Appendix R

Emissions inside and outside the sub-band

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

Testprocedure ANSI 63.17-1998 6.1.6.1
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	6.1.6.1 In-band unwanted emission
	1.672MHz



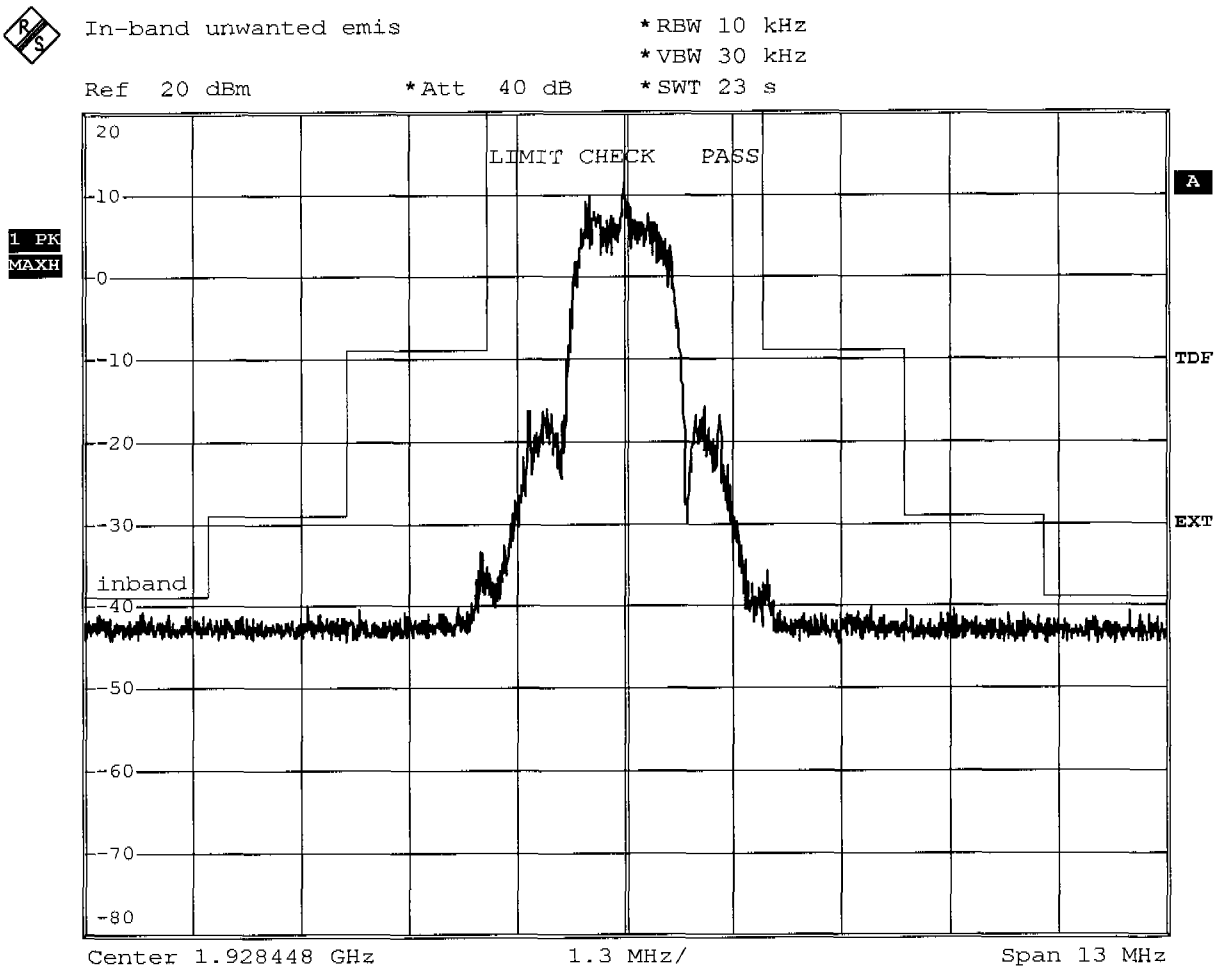
Comment: Ansi C63.17-1998 6.1.6.1
Date: 27.NOV.2006 11:27:42

Measurement diagram

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

Testprocedure ANSI 63.17-1998 6.1.6.1
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	6.1.6.1 In-band unwanted emission
	1.672MHz



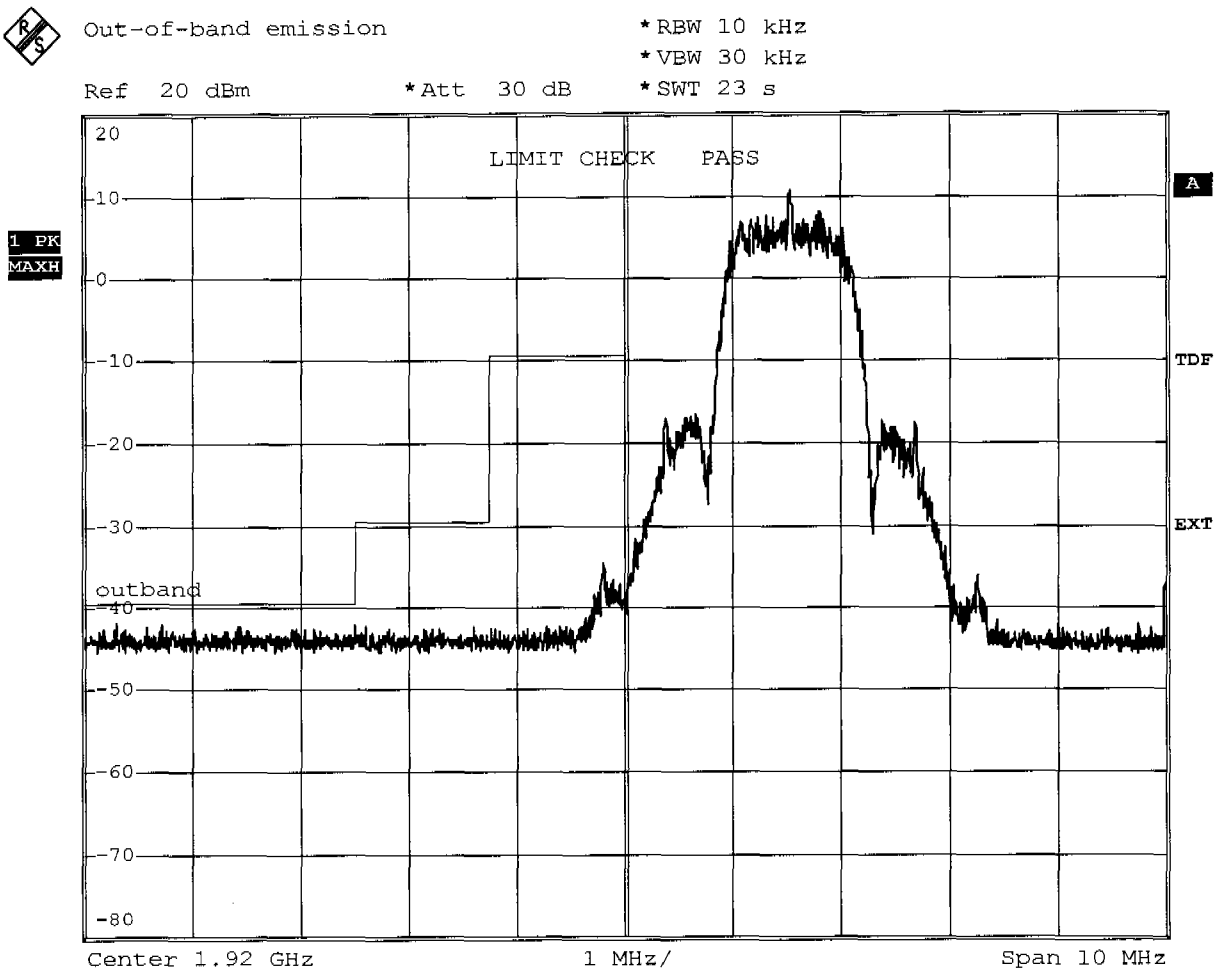
Comment: Ansi C63.17-1998 6.1.6.1
Date: 27.NOV.2006 11:30:07

Measurement diagram

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

Testprocedure ANSI 63.17-1998 6.1.6.2
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	6.1.6.2 Out-of-band emission
	measurement on the lowest carrier
	Carrier=1921.536MHz



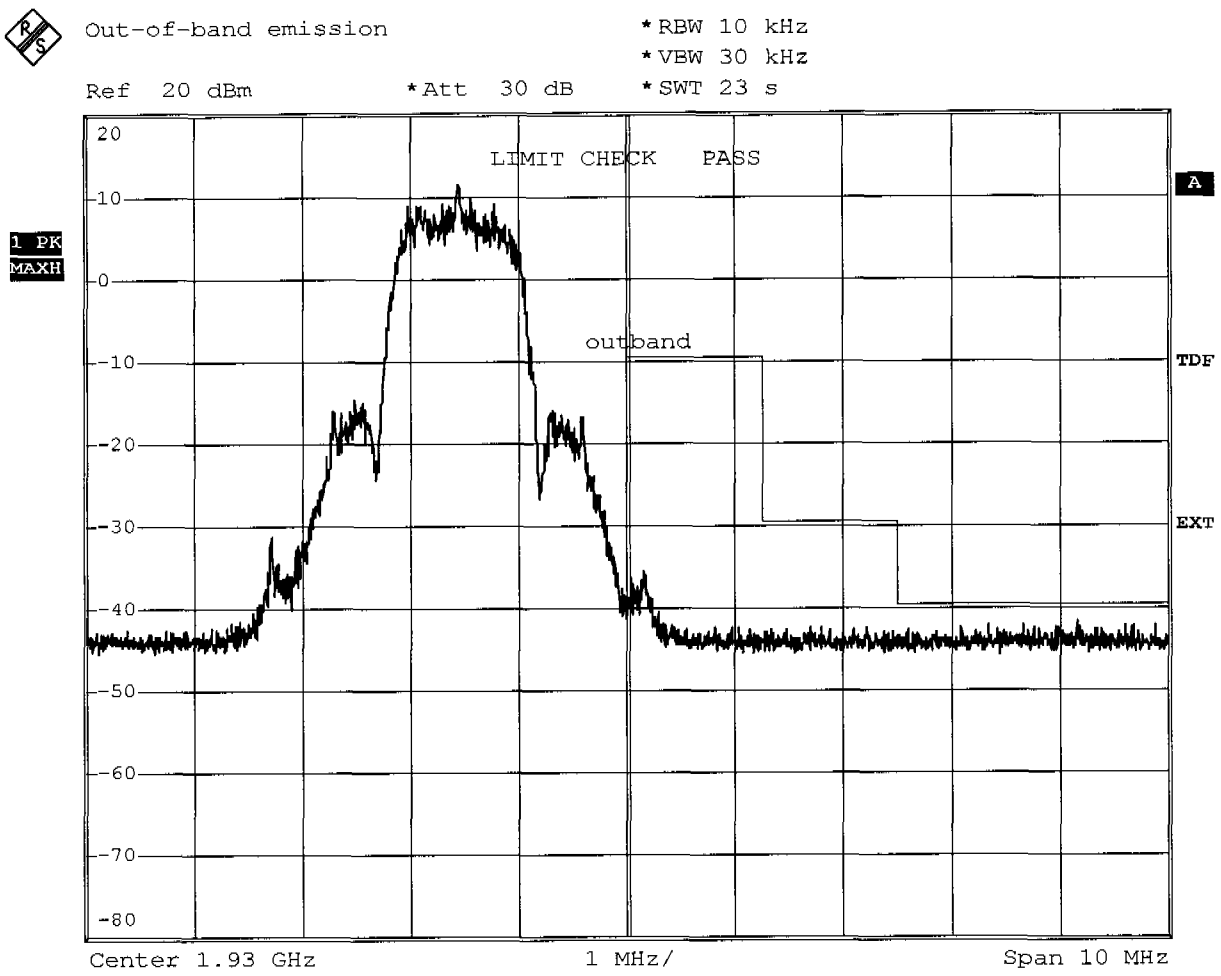
Comment: Ansi C63.17-1998 6.1.6.2
Date: 27.NOV.2006 11:39:41

Measurement diagram

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

Testprocedure ANSI 63.17-1998 6.1.6.2
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	6.1.6.2 Out-of-band emission
	measurement on the highest carrier
	Carrier=1928.448MHz



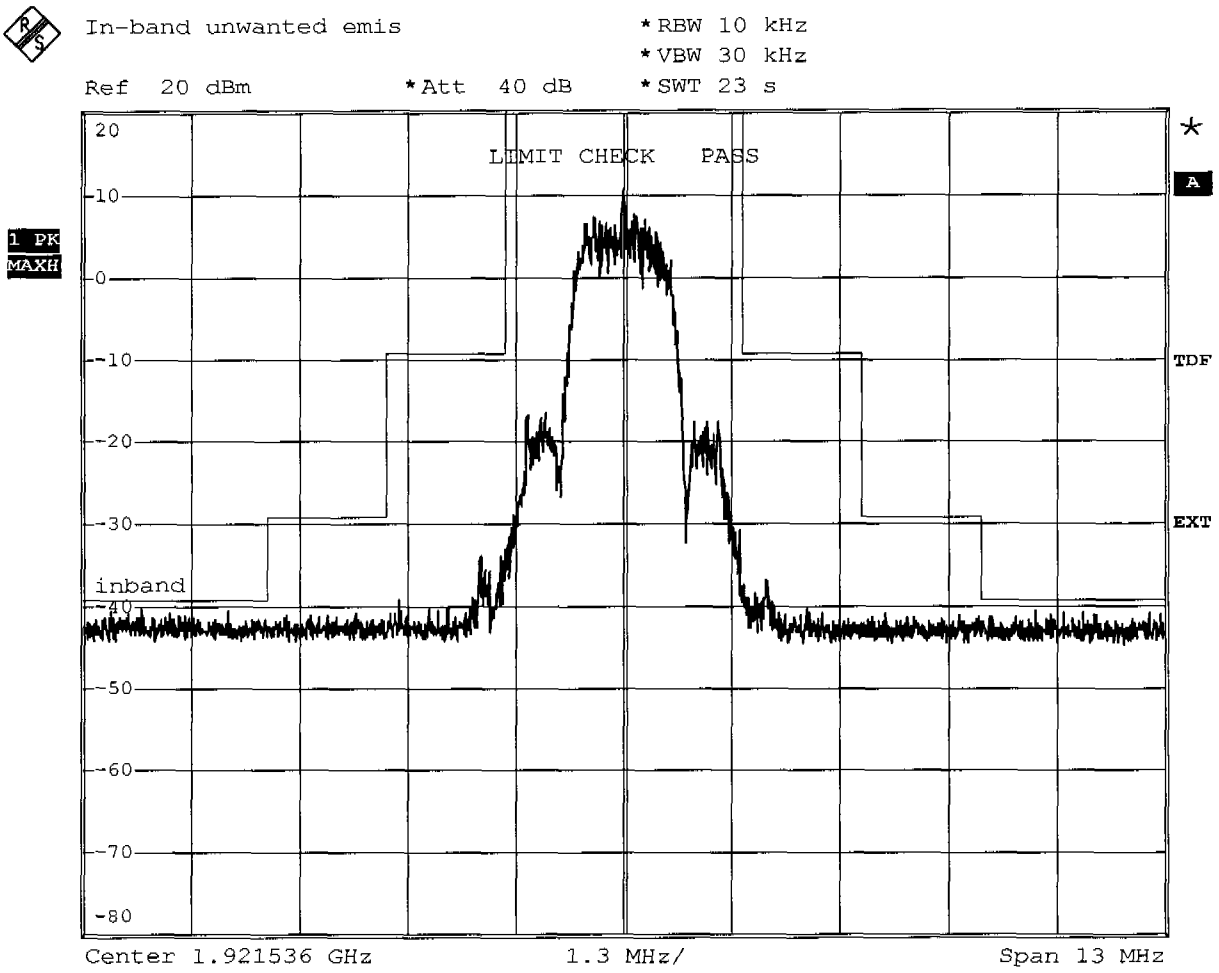
Comment: Ansi C63.17-1998 6.1.6.2
Date: 27.NOV.2006 11:34:37

Measurement diagram

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

Testprocedure ANSI 63.17-1998 6.1.6.1
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	6.1.6.1 In-band unwanted emission
	1.424MHz



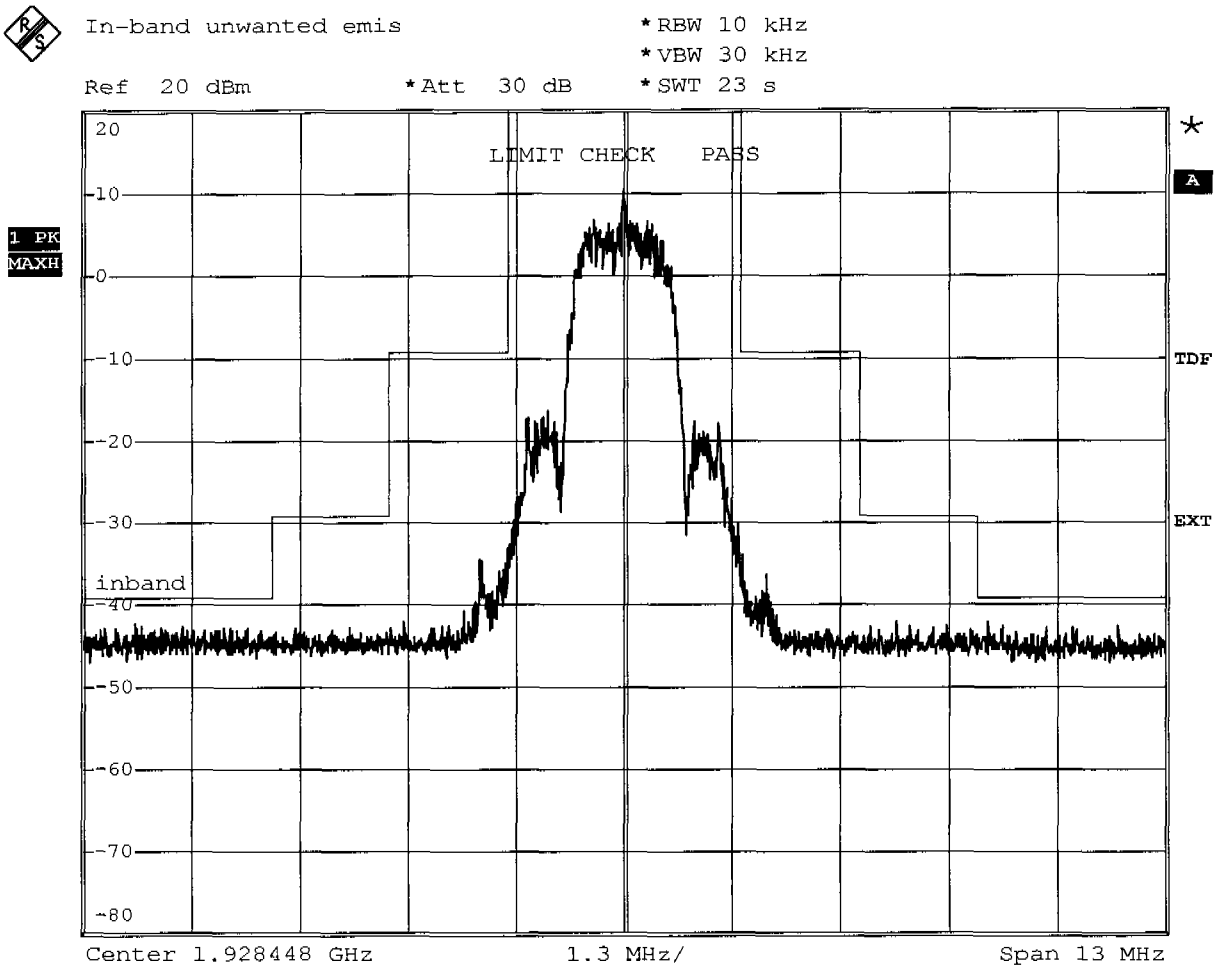
Comment: Ansi C63.17-1998 6.1.6.1
Date: 29.NOV.2006 08:40:19

Measurement diagram

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

Testprocedure ANSI 63.17-1998 6.1.6.1
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	6.1.6.1 In-band unwanted emission
	1.408MHz



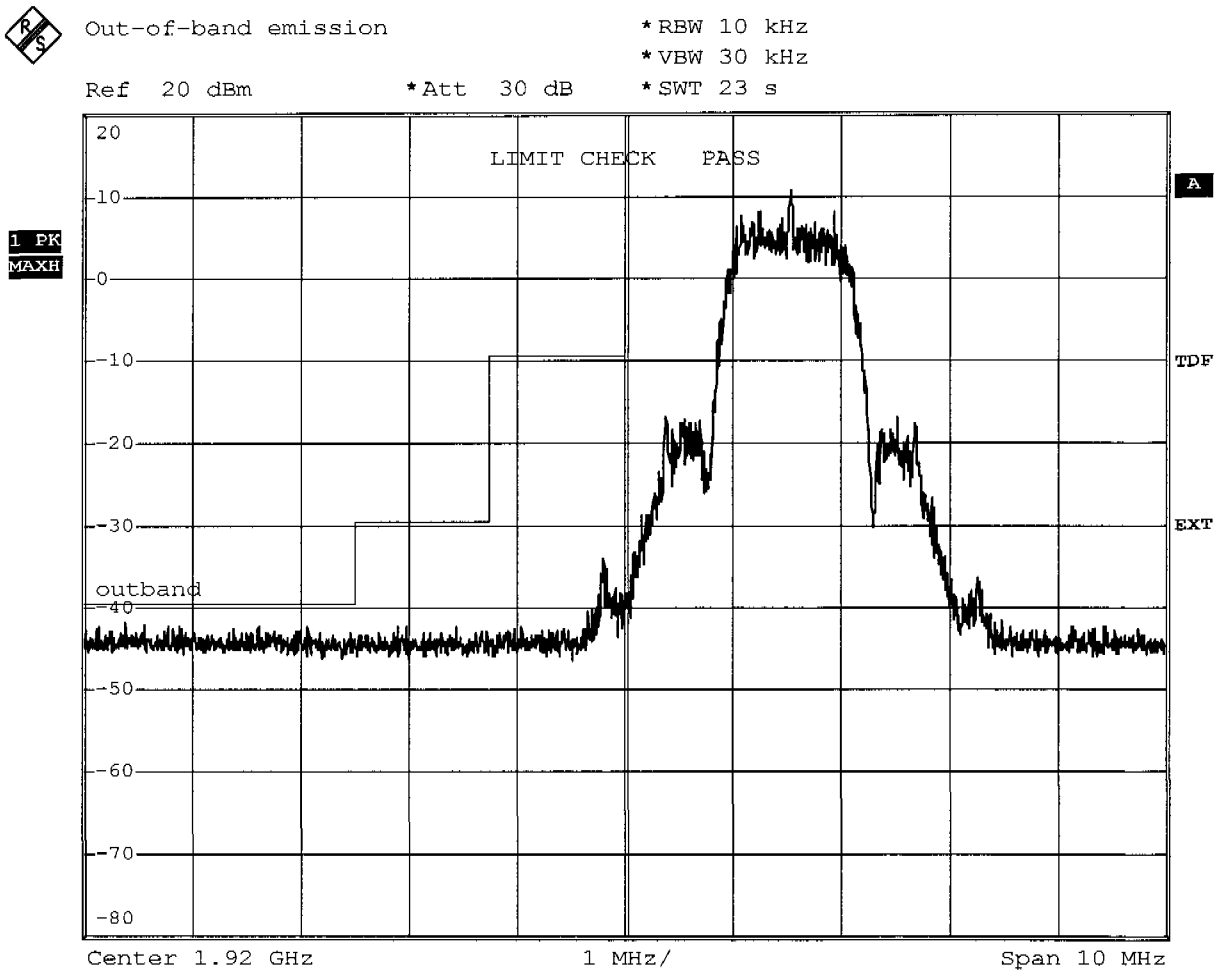
Comment: Ansi C63.17-1998 6.1.6.1
Date: 29.NOV.2006 09:37:17

Measurement diagram

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

Testprocedure ANSI 63.17-1998 6.1.6.2
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	6.1.6.2 Out-of-band emission
	measurement on the lowest carrier
	Carrier=1921.536MHz



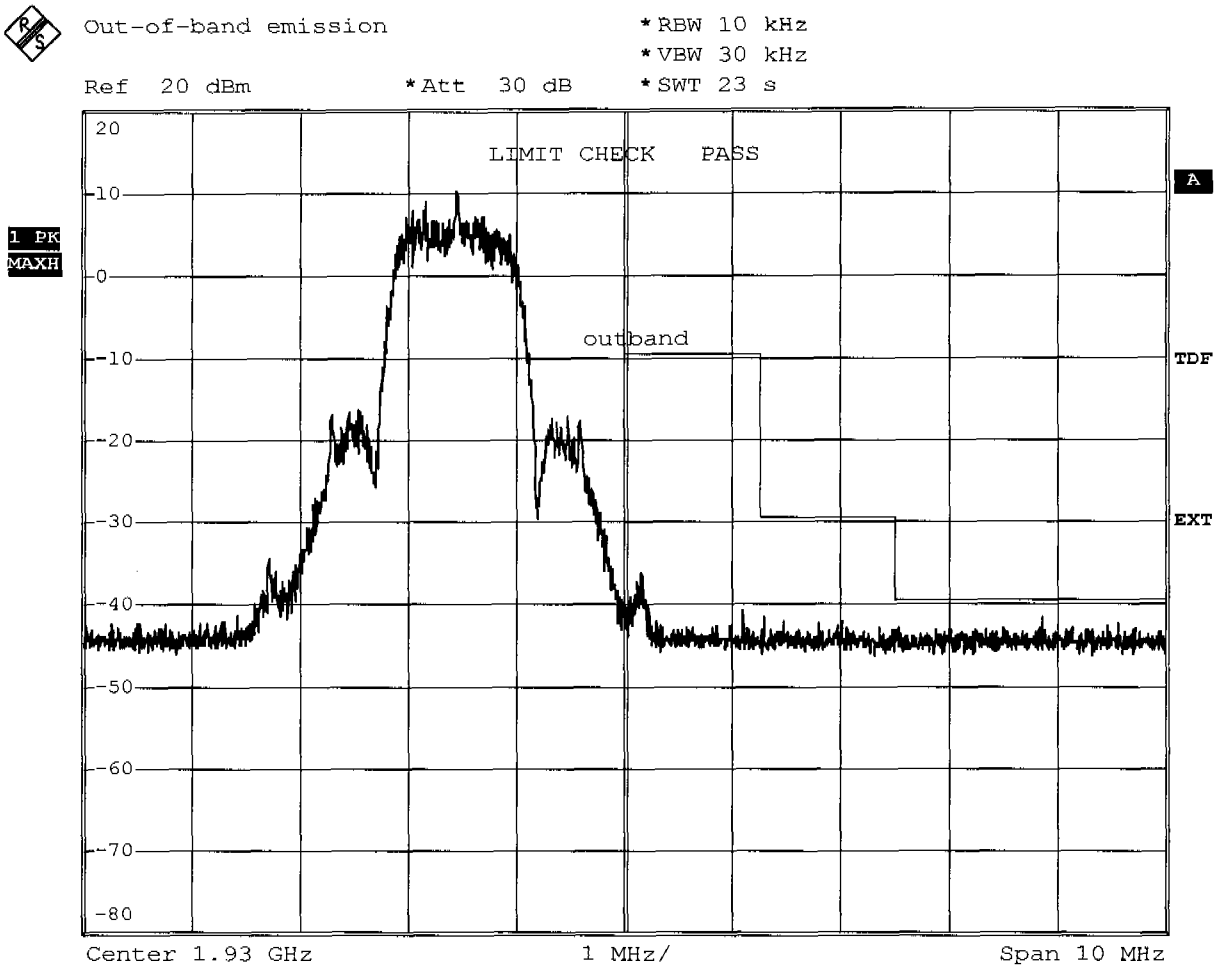
Comment: Ansi C63.17-1998 6.1.6.2
Date: 29.NOV.2006 08:42:51

Measurement diagram

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

Testprocedure ANSI 63.17-1998 6.1.6.2
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	6.1.6.2 Out-of-band emission
	measurement on the highest carrier
	Carrier=1928.448MHz



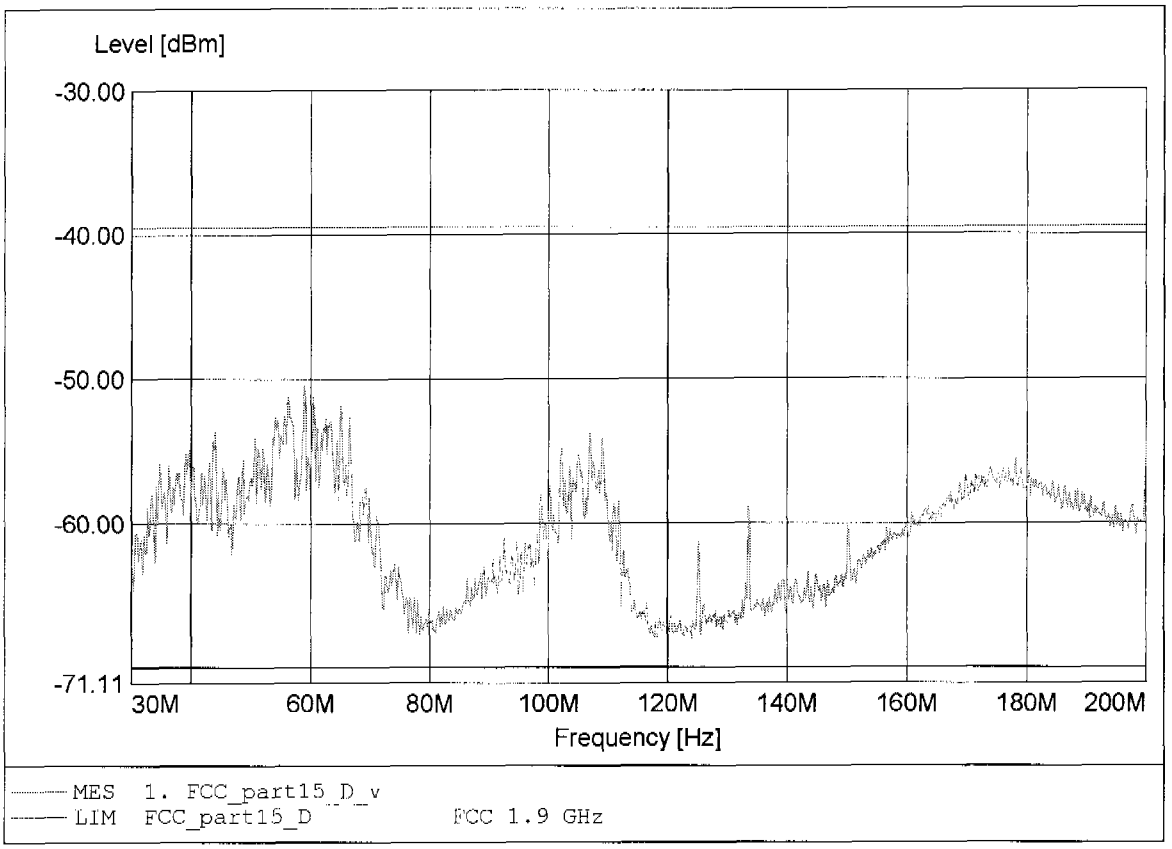
Comment: Ansi C63.17-1998 6.1.6.2
Date: 29.NOV.2006 09:39:42

Measurement diagram

Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

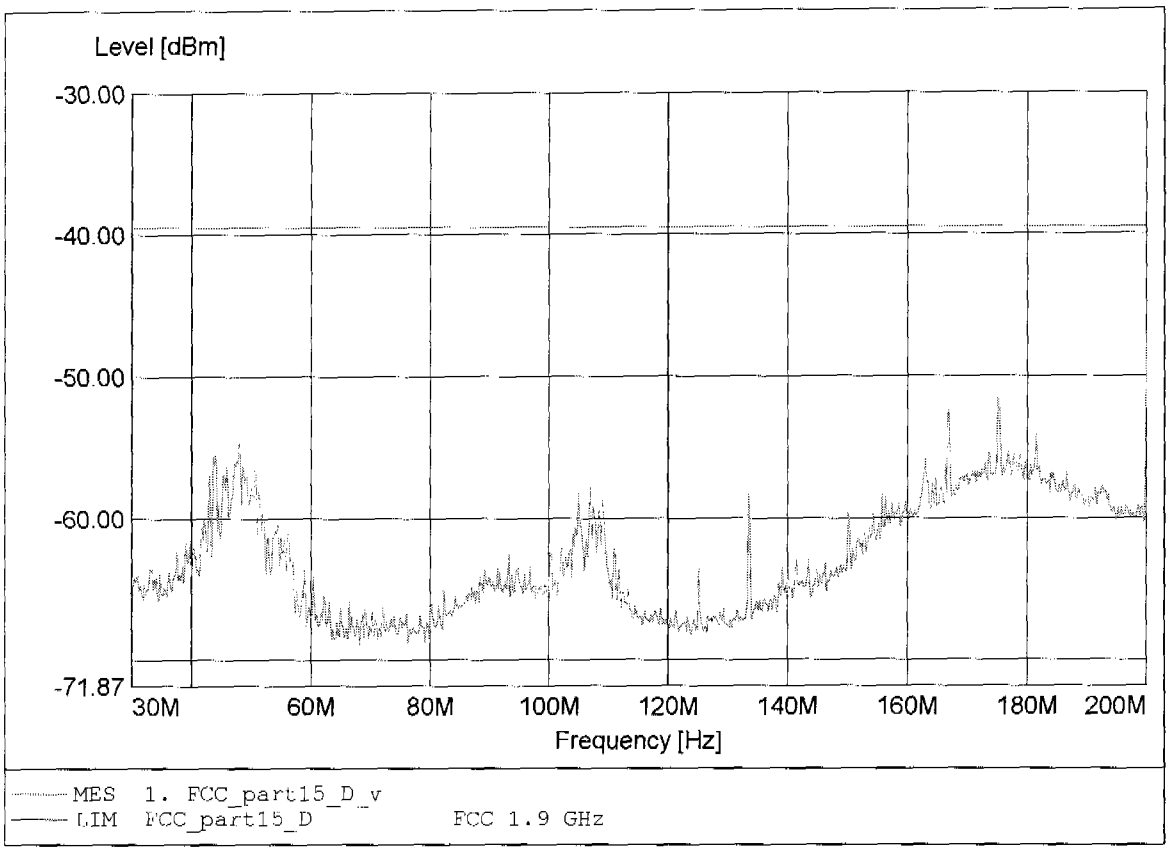
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 3m, Ant.: HK 116,
Comment 2:	Freq:58.900MHz Pmax:-50.40dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

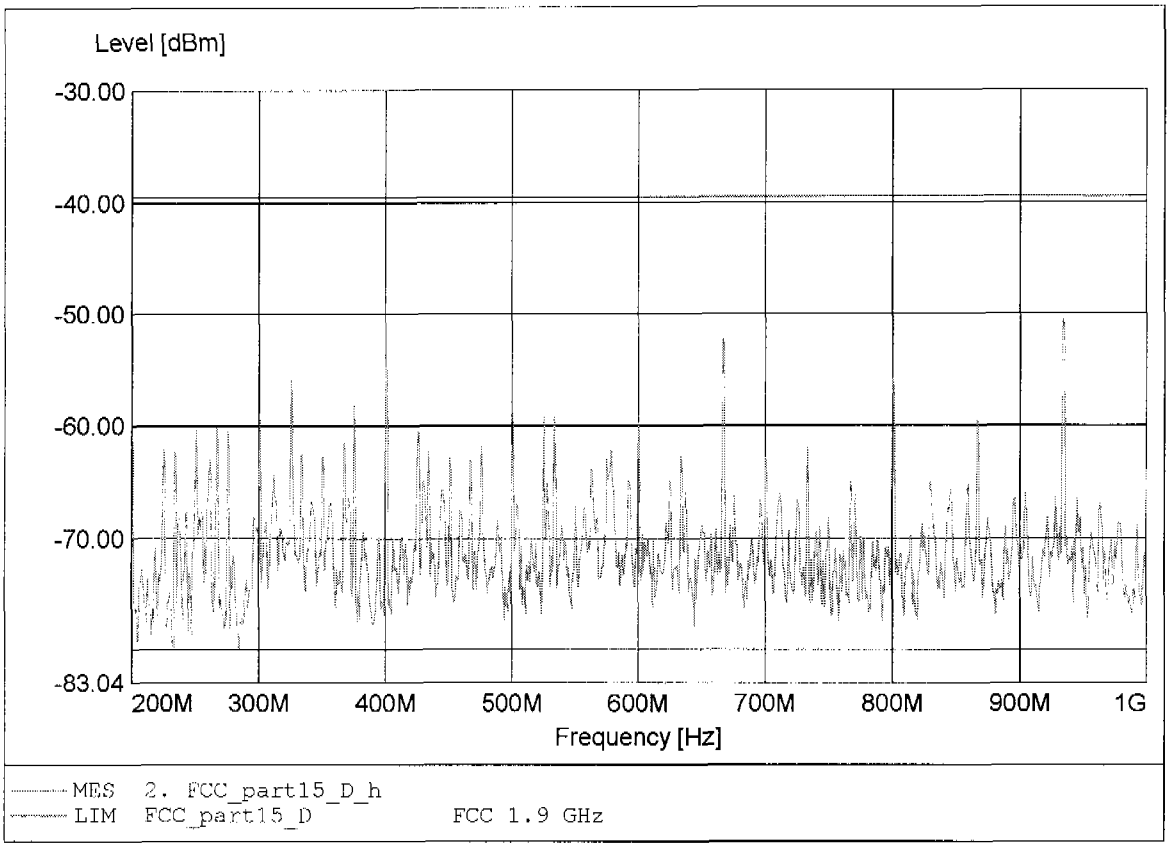
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 3m, Ant.: HK 116,
Comment 2:	Freq:200.000MHz Pmax:-47.74dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

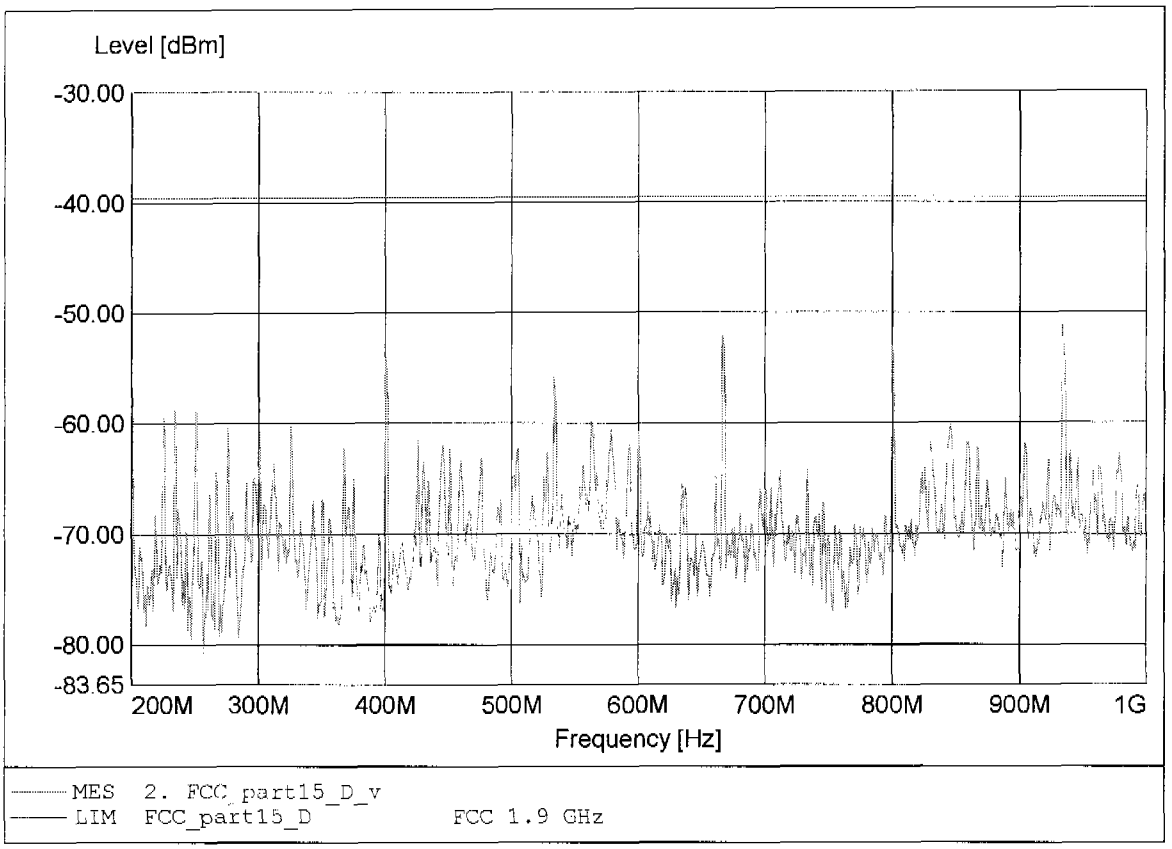
Approval Holder: NEC Philips Unified Solutions
EUT / ant. / Ch.: 3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model : AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 25°C / 120 VAC (AC/DC-adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:933.333MHz Pmax:-50.55dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

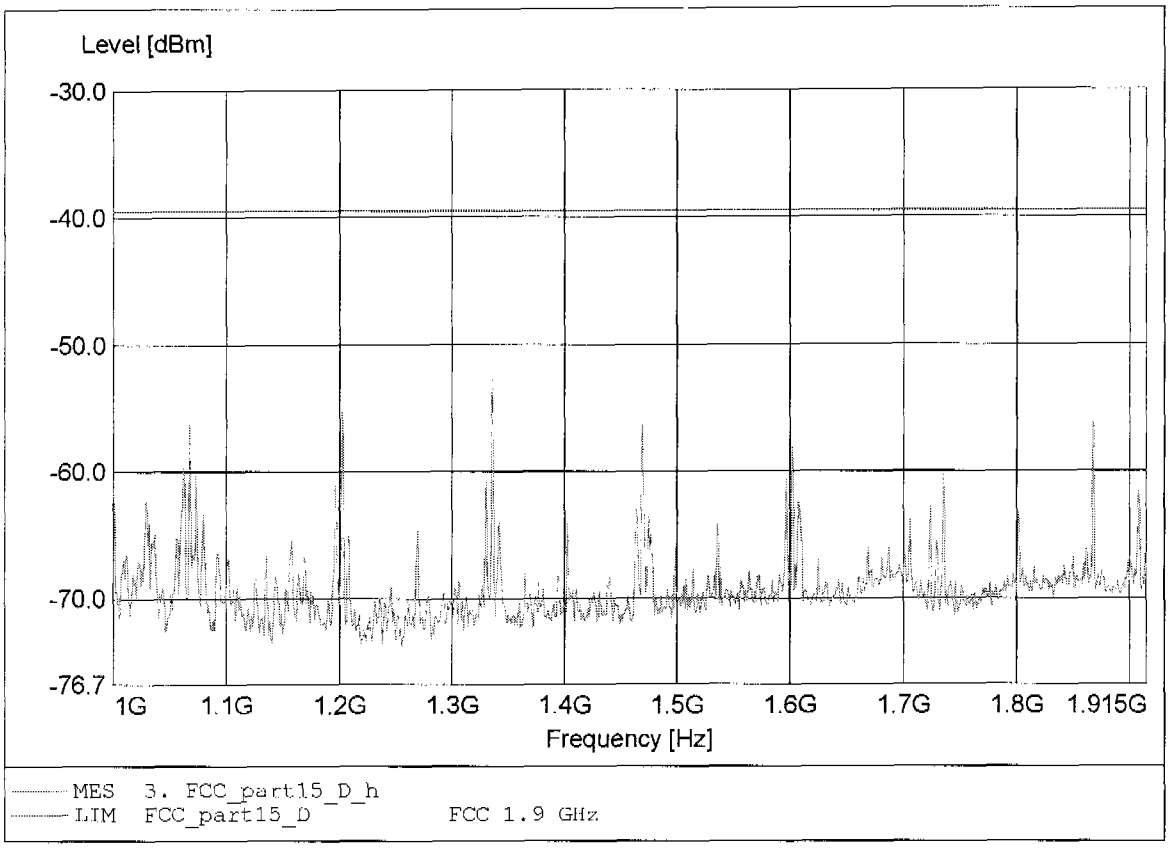
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 3m, Ant.: HL 223, ampl.
Comment 2:	Freq:933.333MHz Pmax:-51.29dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

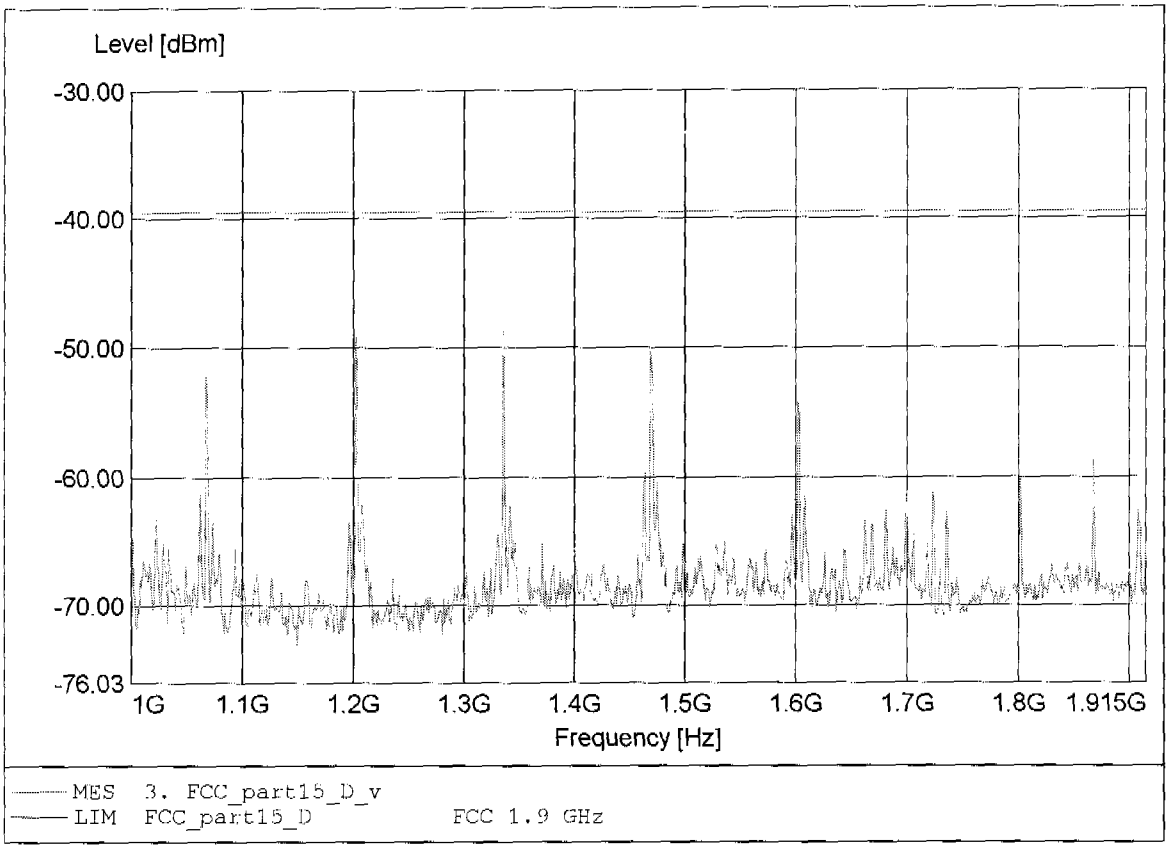
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:1.336GHz Pmax:-52.62dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

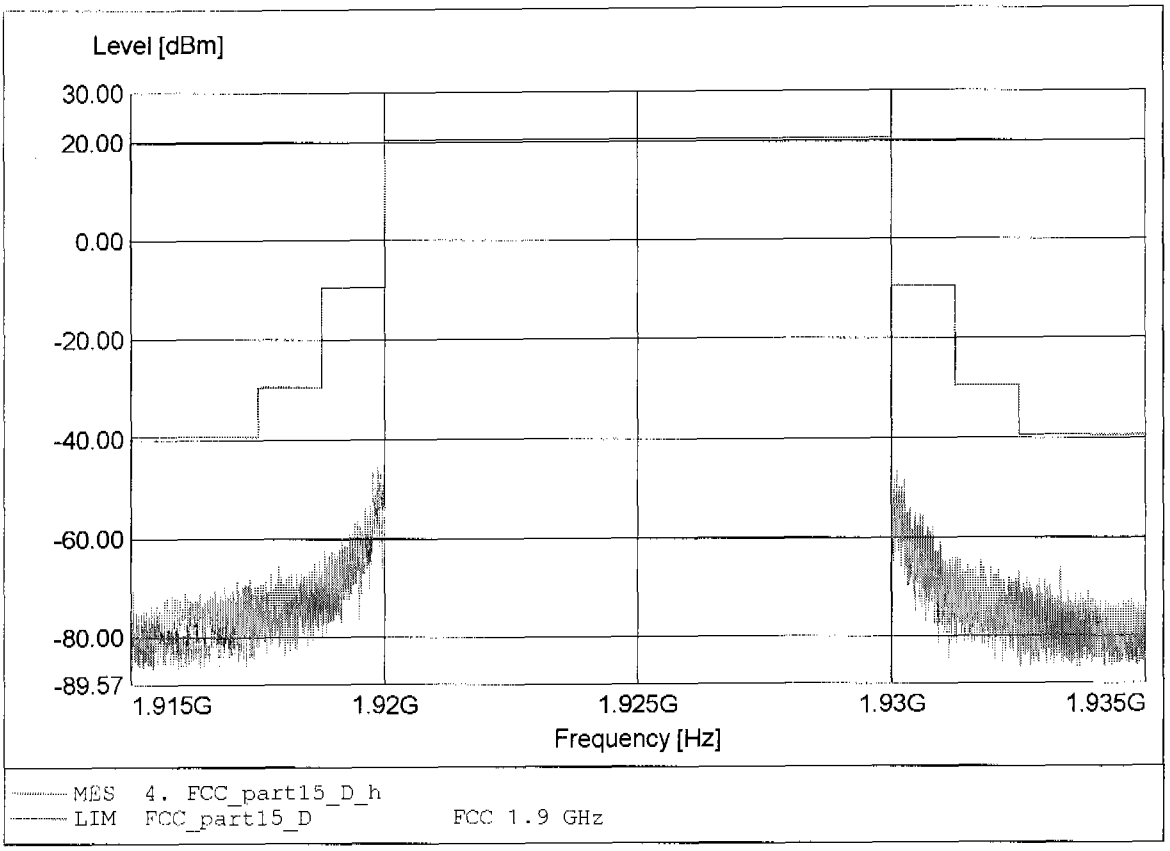
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:1.336GHz Pmax:-48.51dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

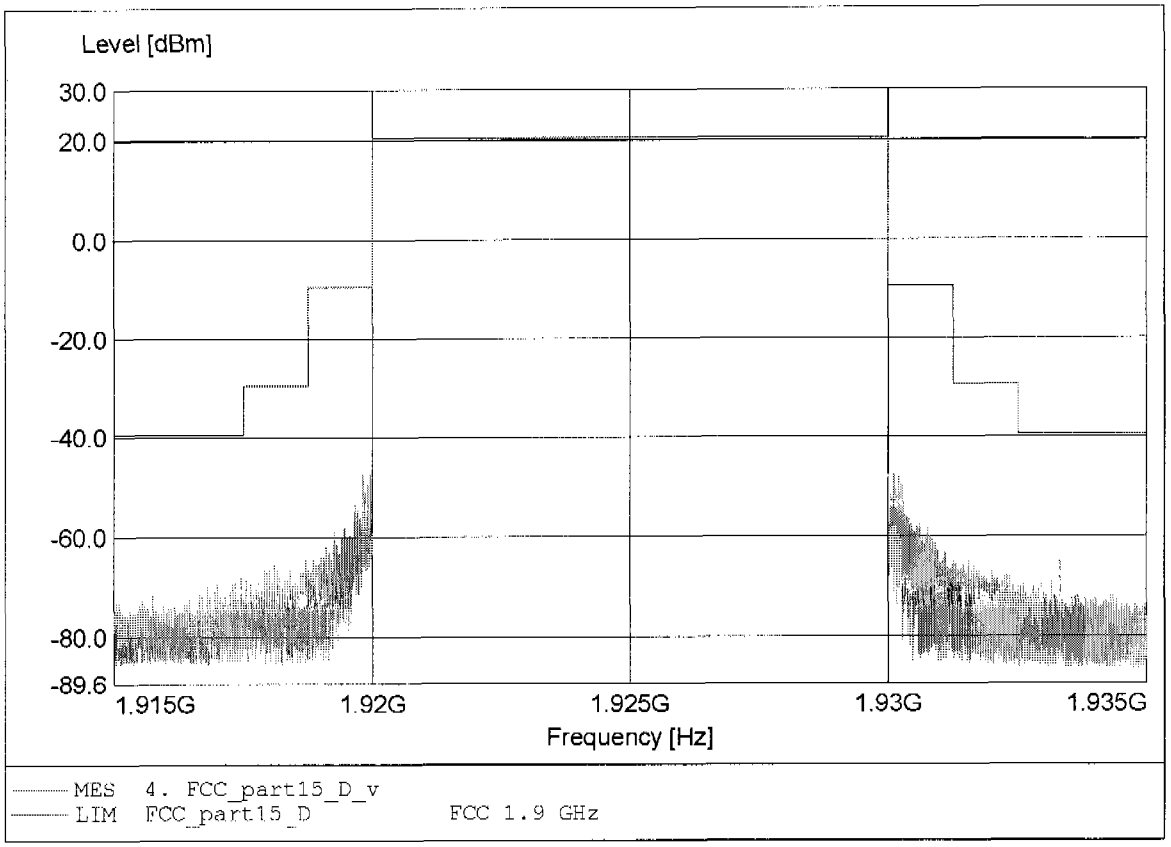
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / Module 0
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:1.920GHz Pmax:-45.61dBm RBW: 10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

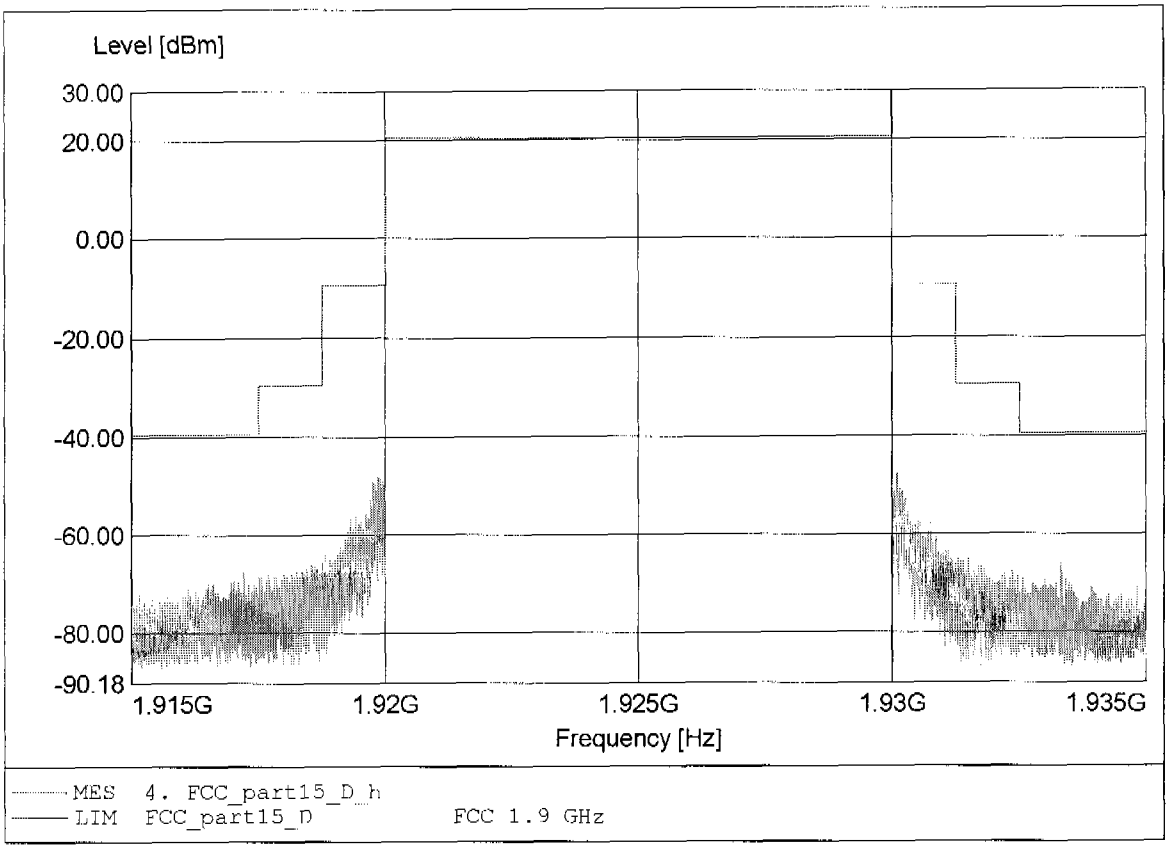
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / Module 0
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:1.920GHz Pmax:-47.27dBm RBW: 10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

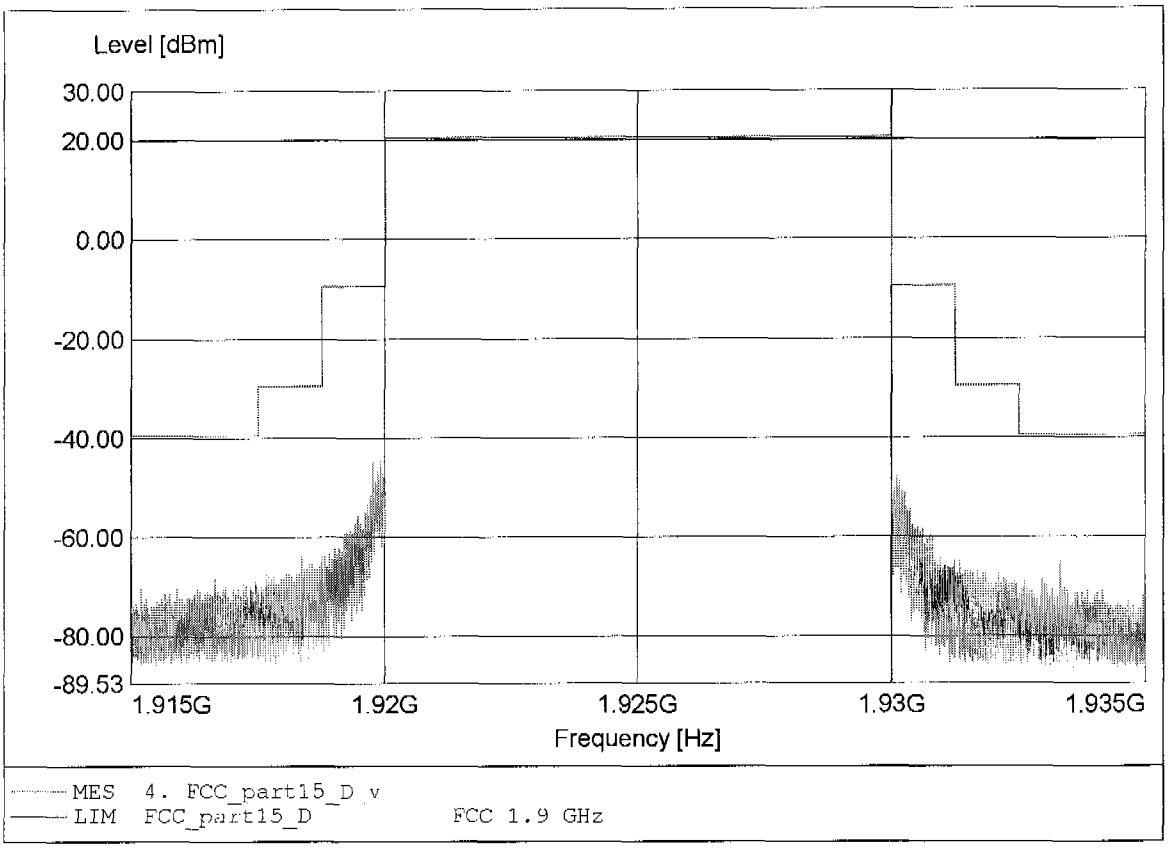
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / Module 1
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:1.930GHz Pmax:-47.68dBm RBW: 10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

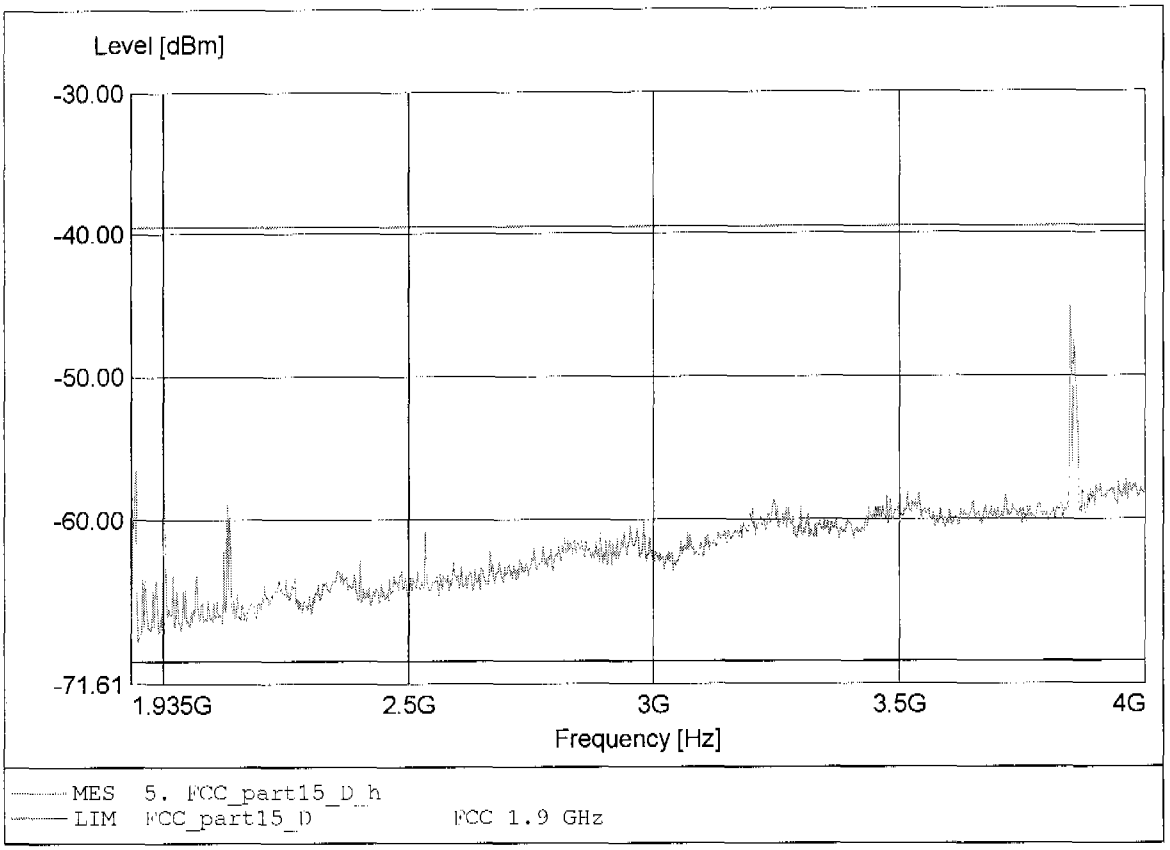
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / Module 1
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:1.920GHz Pmax:-44.67dBm RBW: 10 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

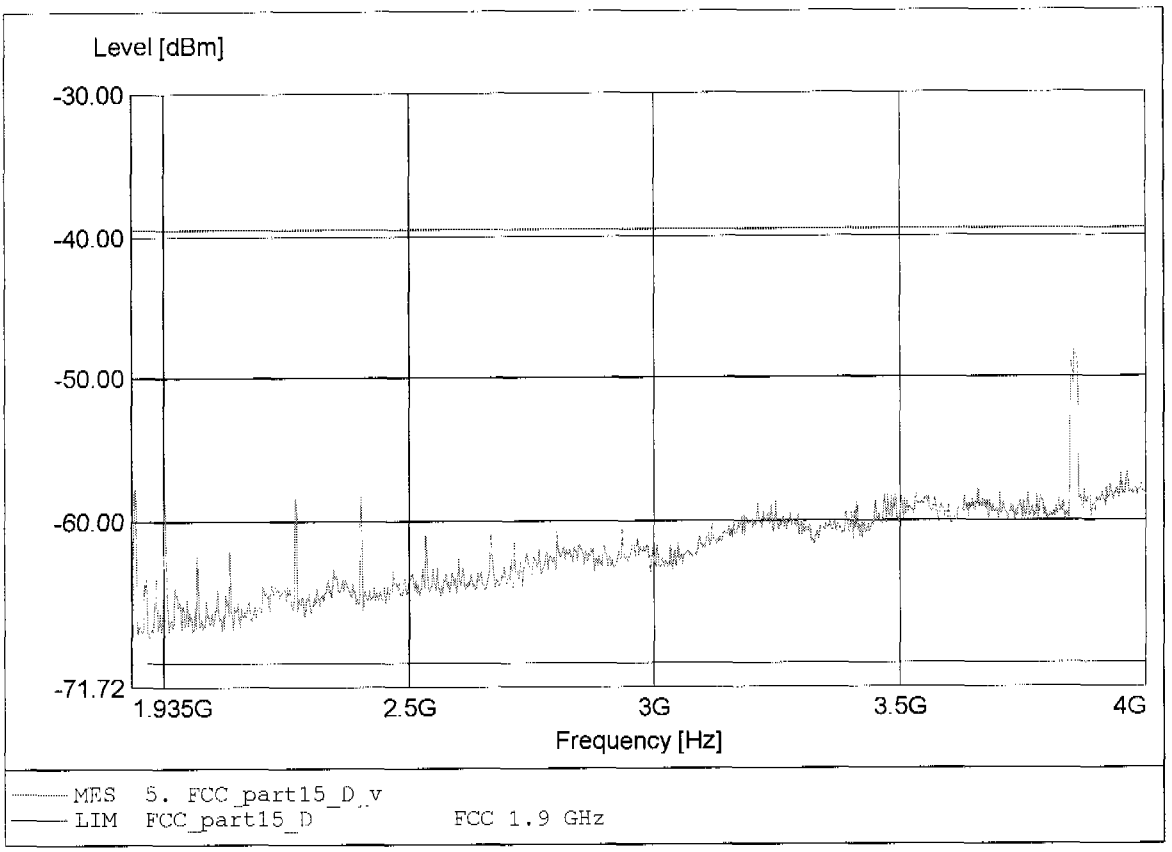
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / Module 0
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:3.846GHz Pmax:-45.21dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

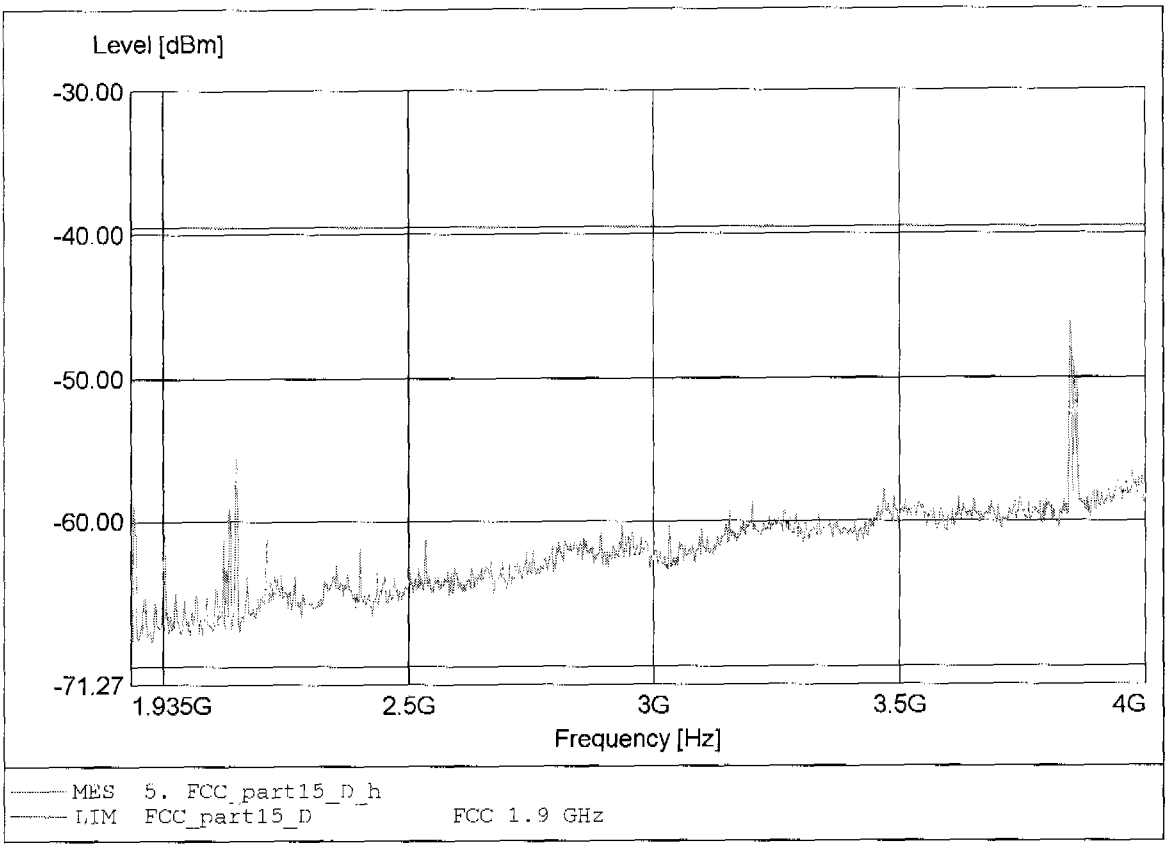
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / Module 0
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:3.853GHz Pmax:-48.01dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

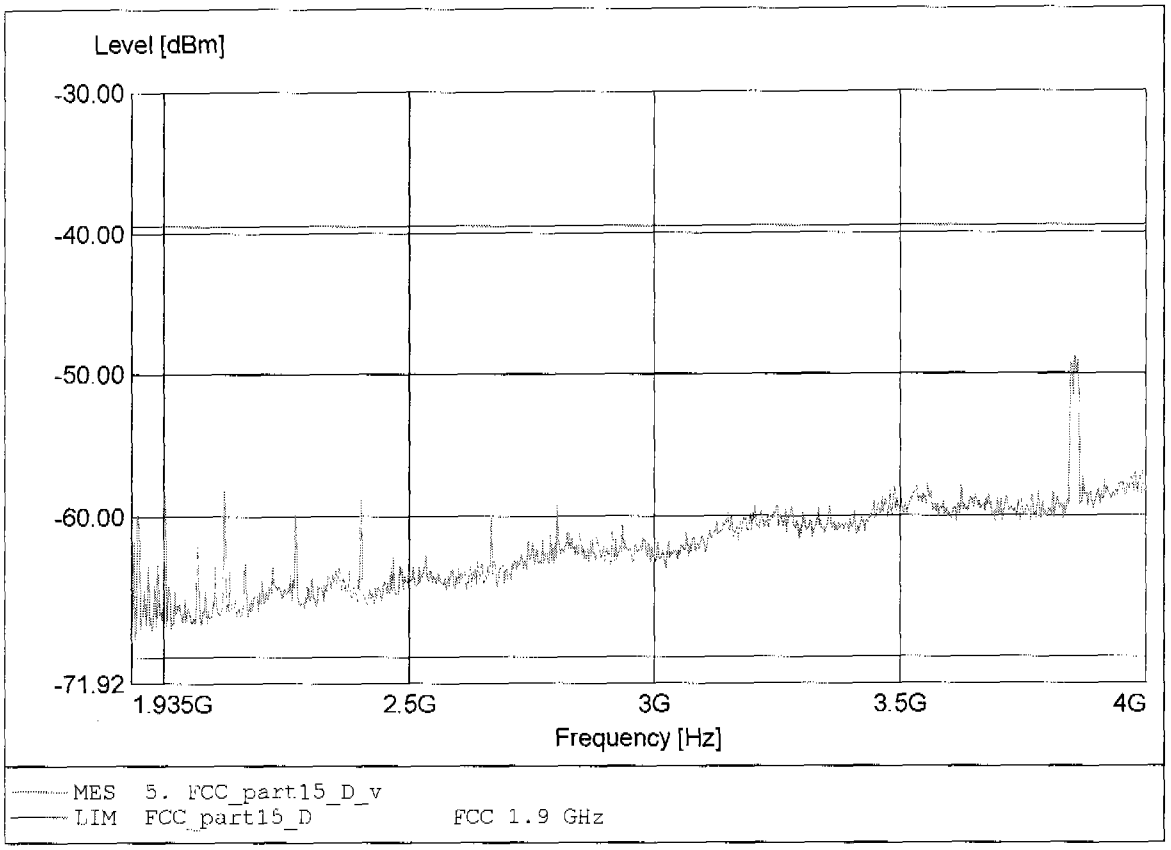
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / Module 1
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:3.846GHz Pmax:-46.07dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

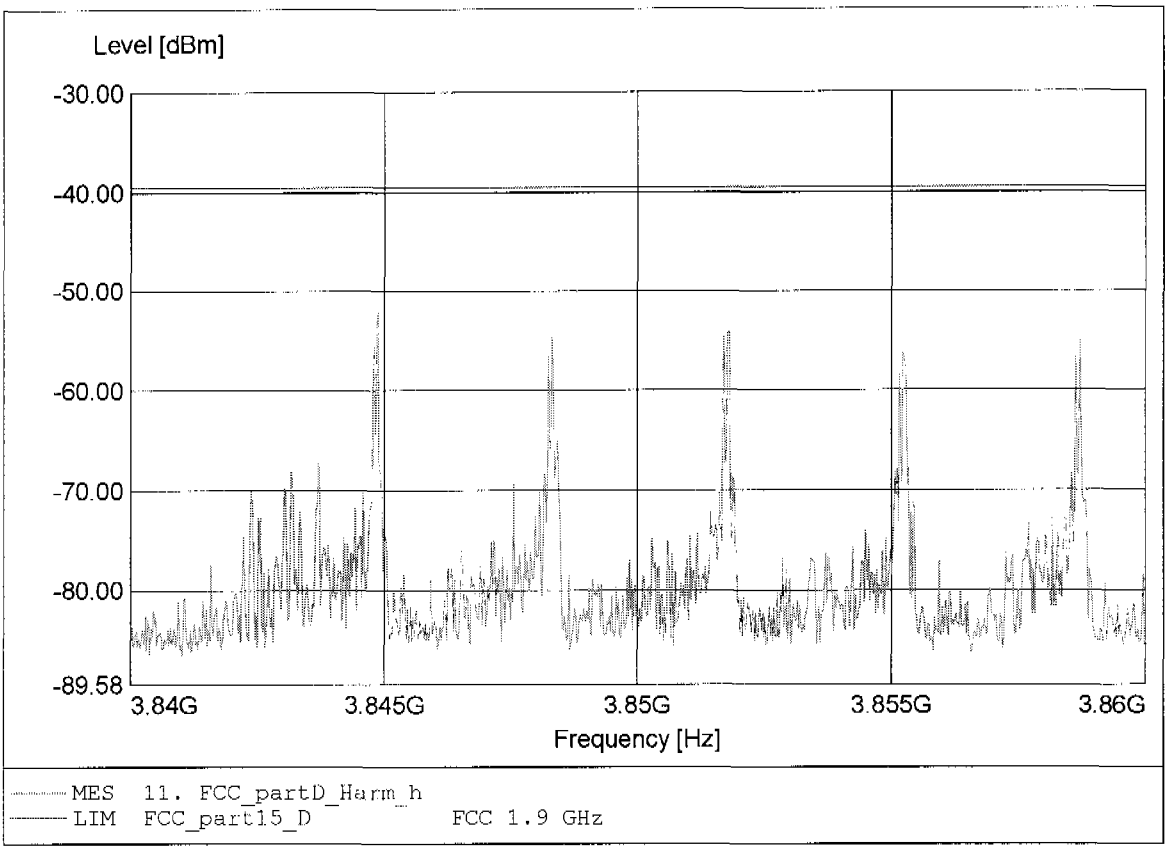
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant. / Module 1
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:3.853GHz Pmax:-48.77dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

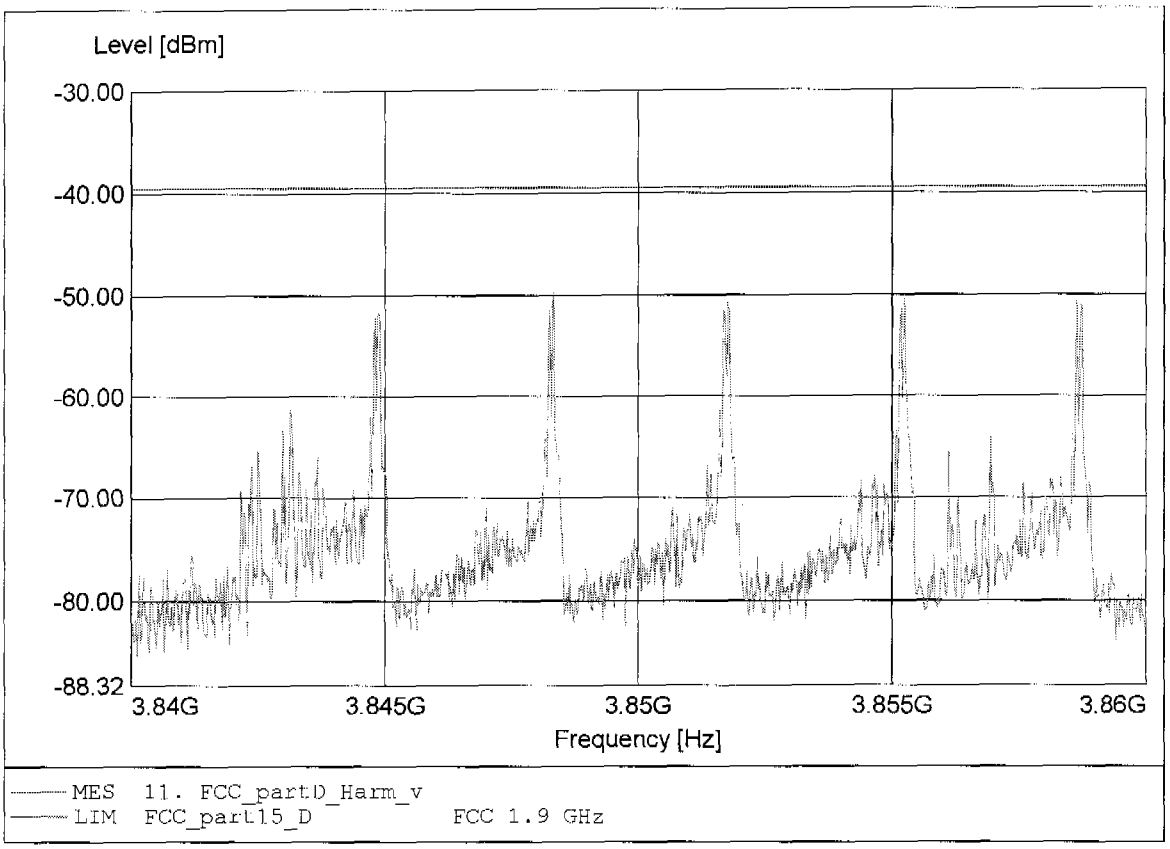
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:3.845GHz Pmax:-52.15dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

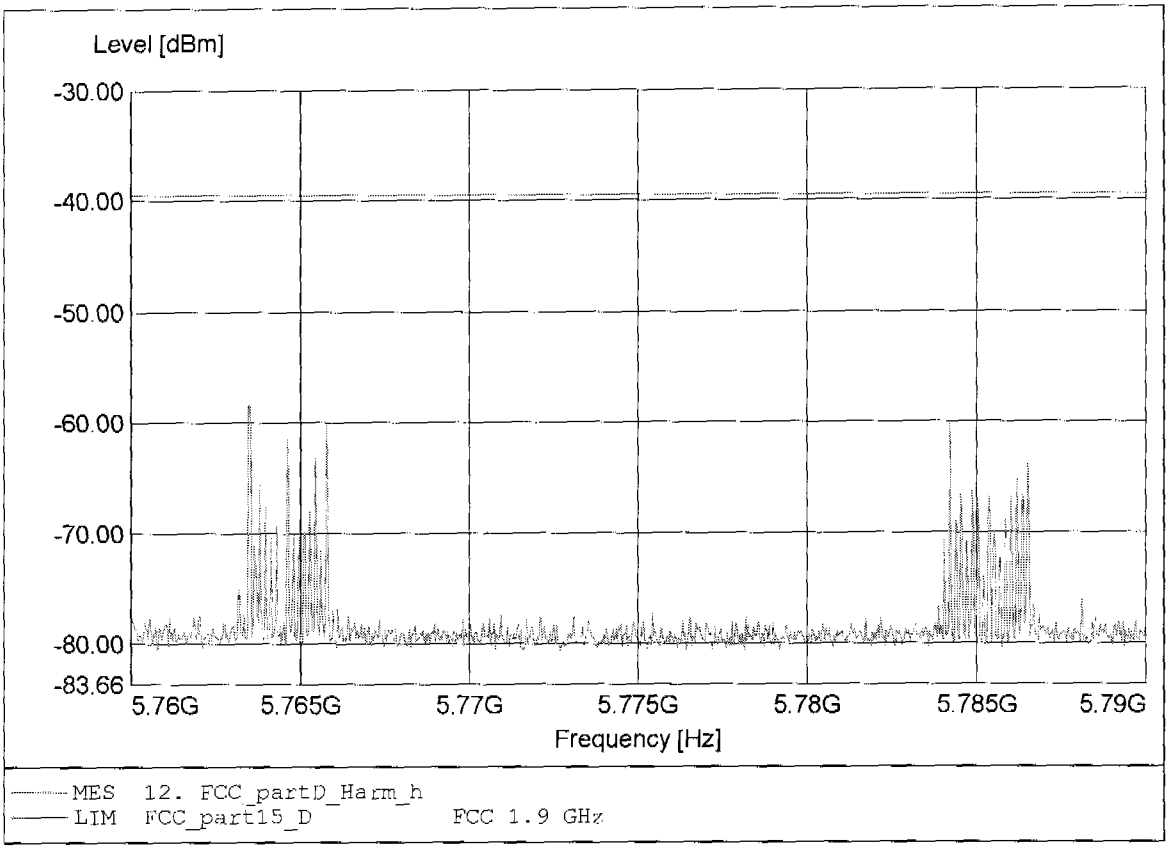
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:3.848GHz Pmax:-49.60dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

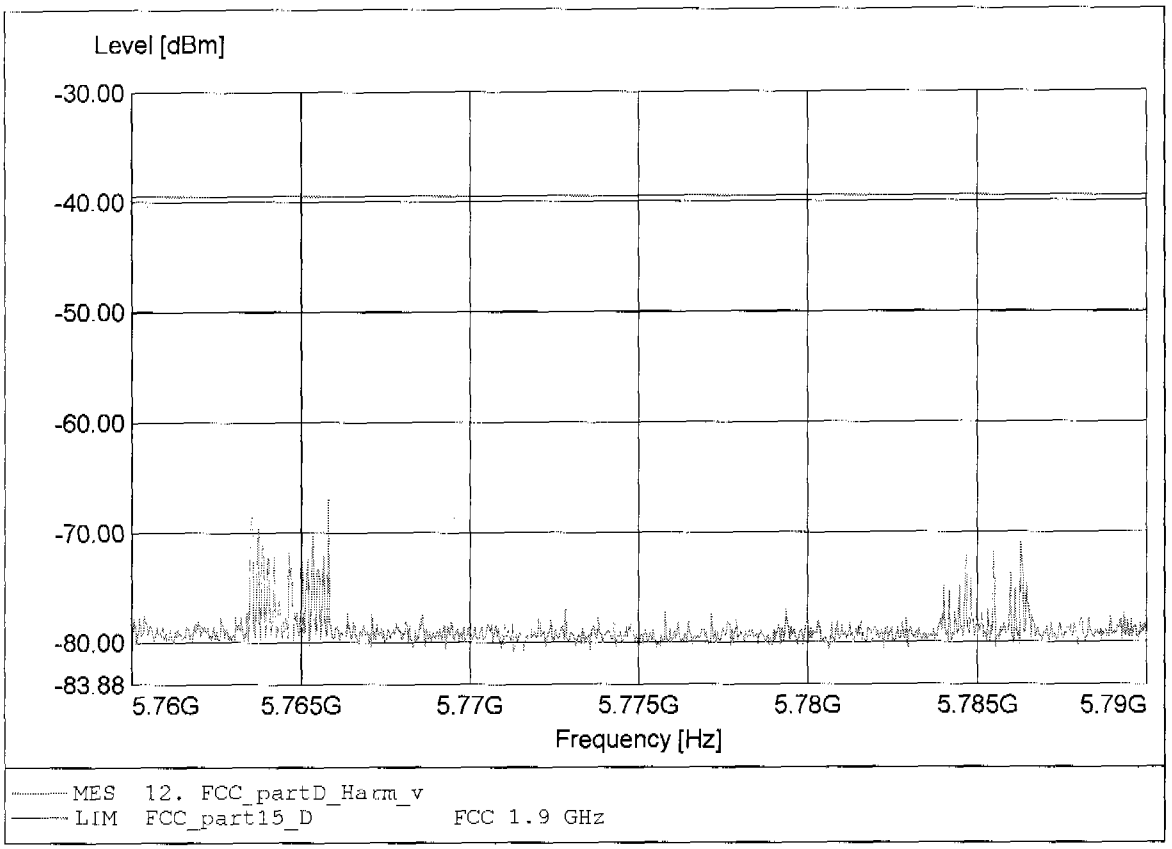
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:5.764GHz Pmax:-58.31dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

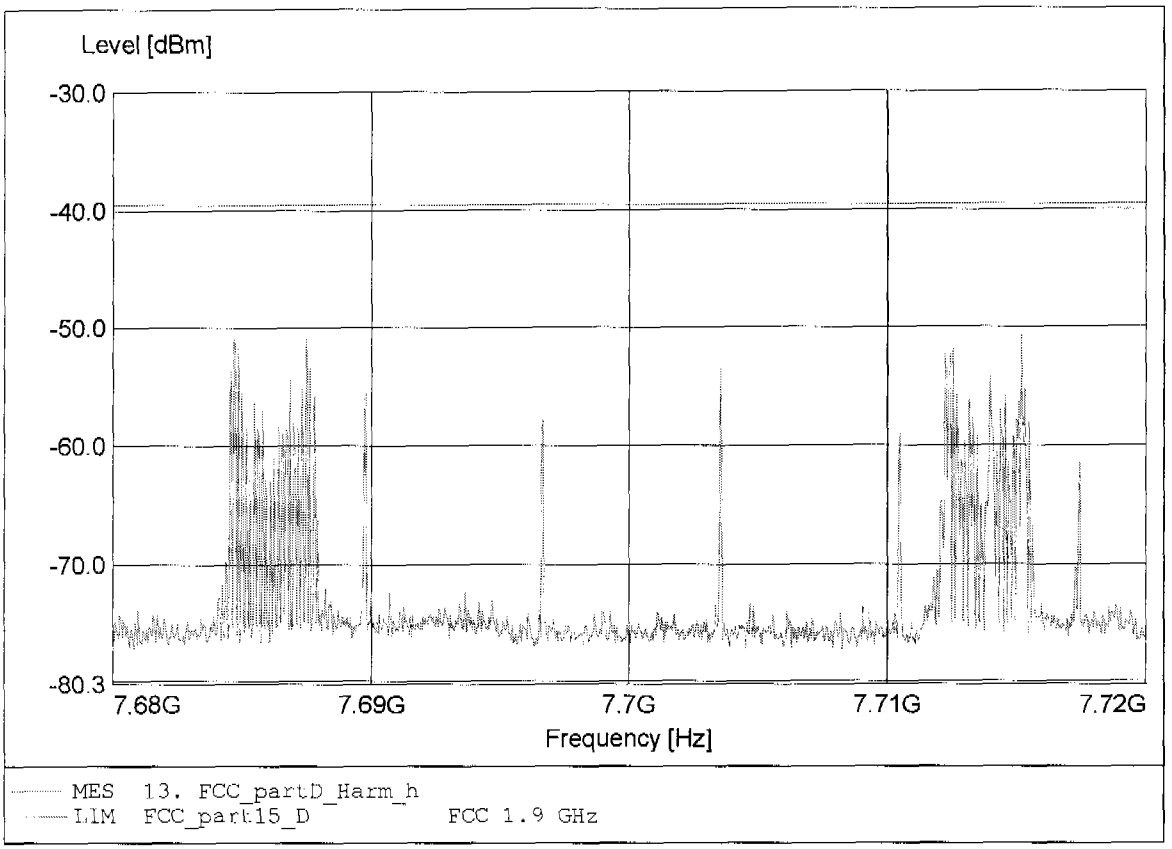
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:5.766GHz Pmax:-66.99dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

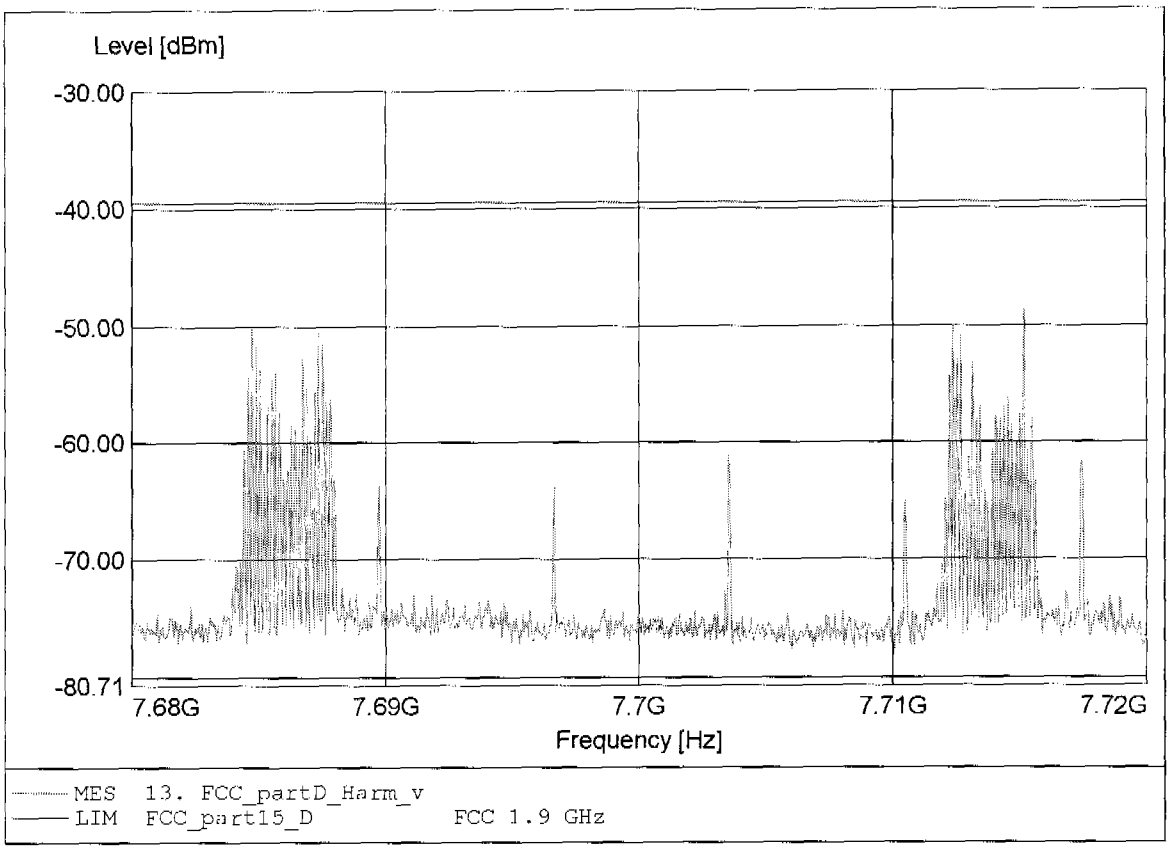
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:7.715GHz Pmax:-50.72dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

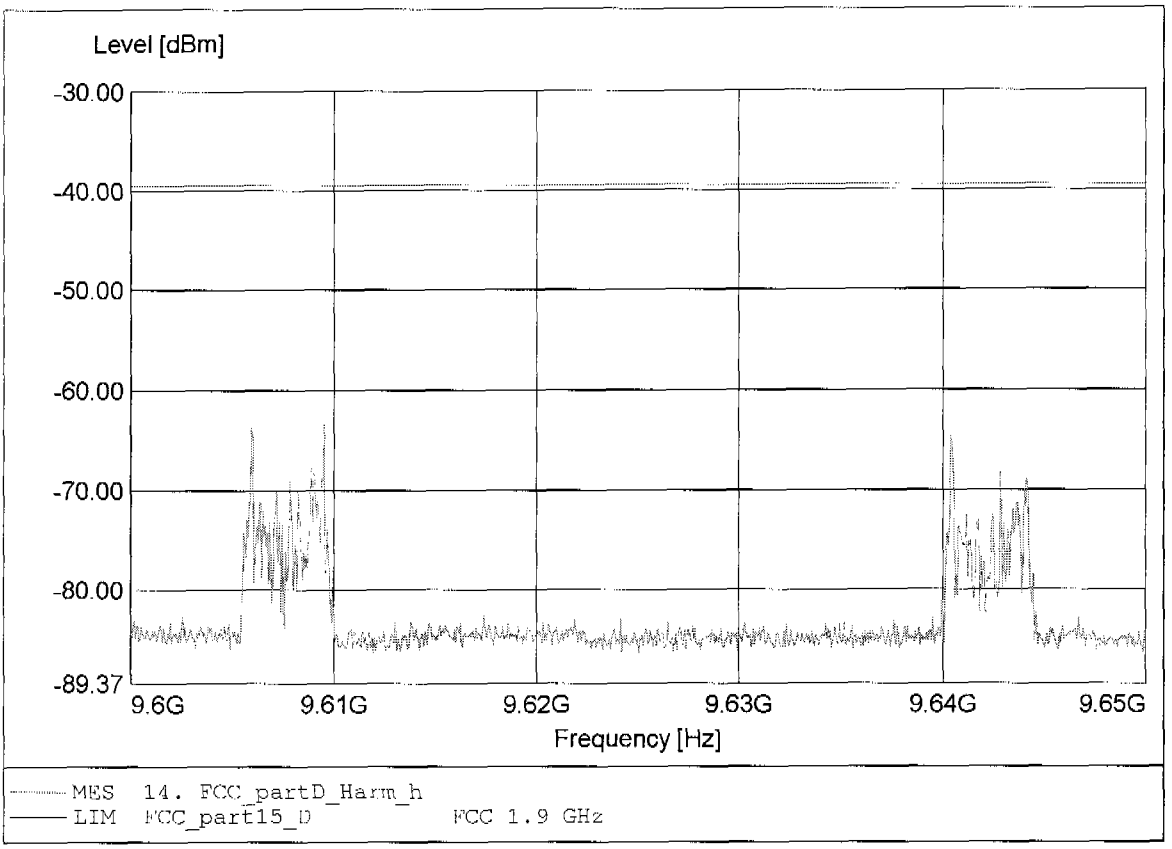
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:7.715GHz Pmax:-48.55dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

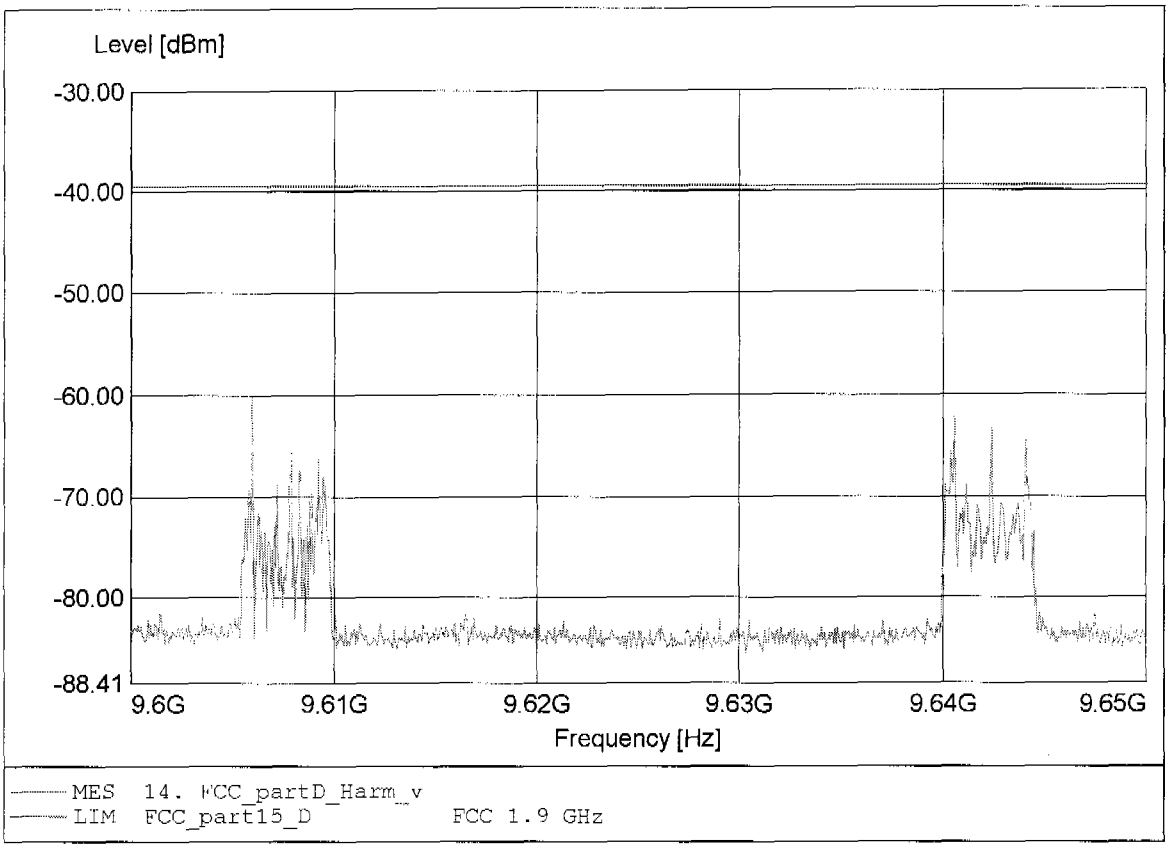
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:9.610GHz Pmax:-63.28dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

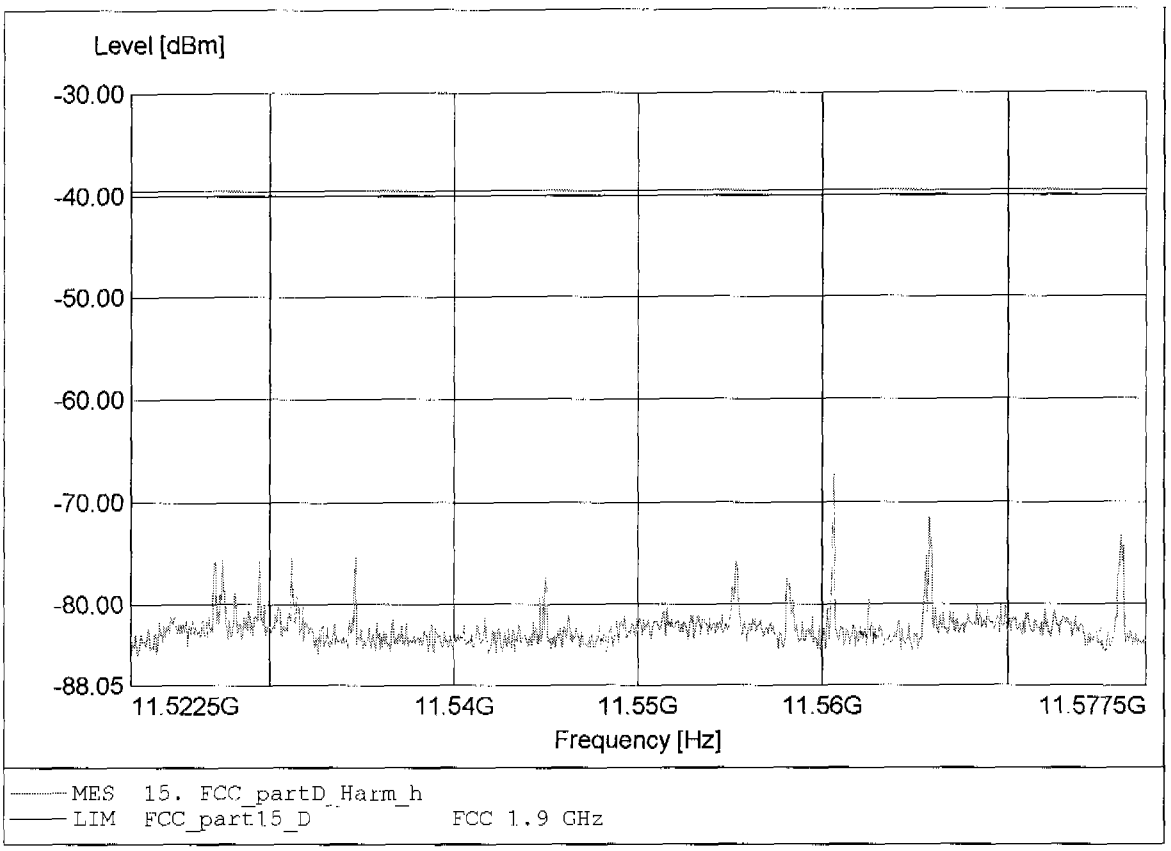
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:9.606GHz Pmax:-60.08dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

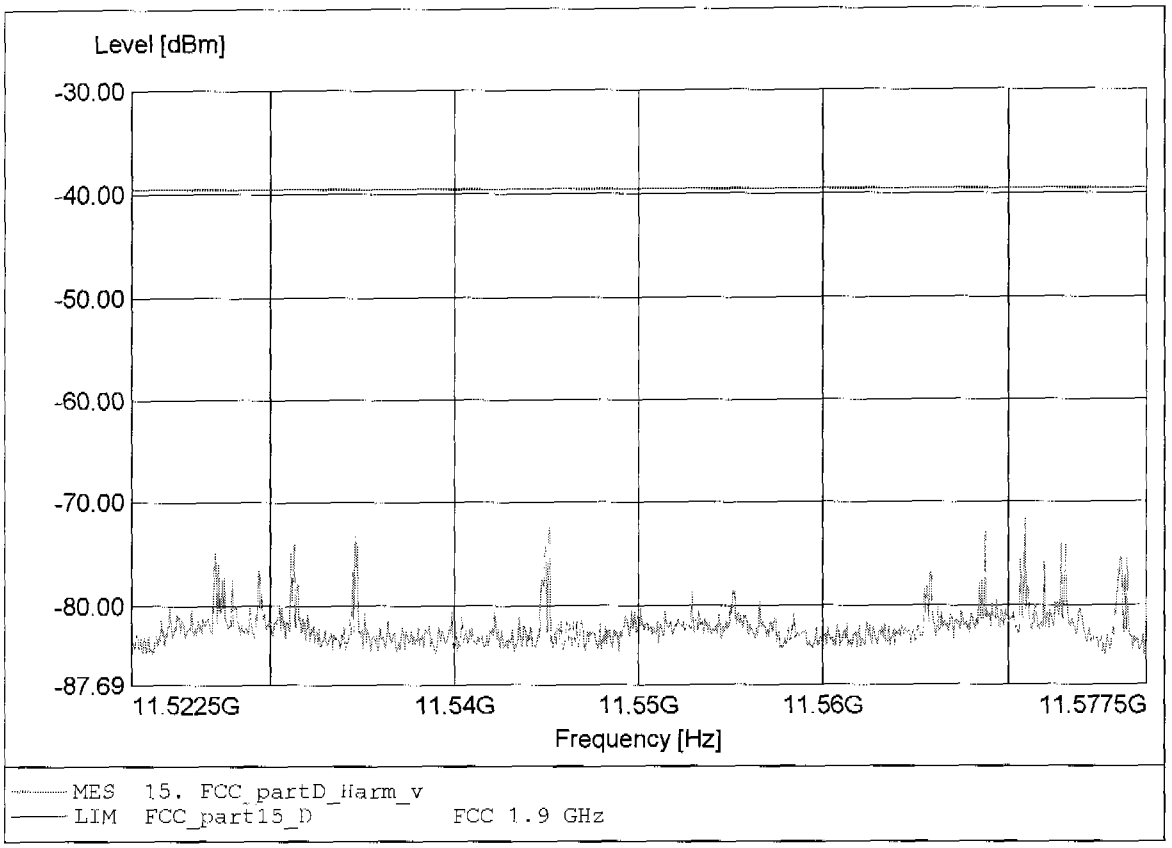
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:11.561GHz Pmax:-67.32dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

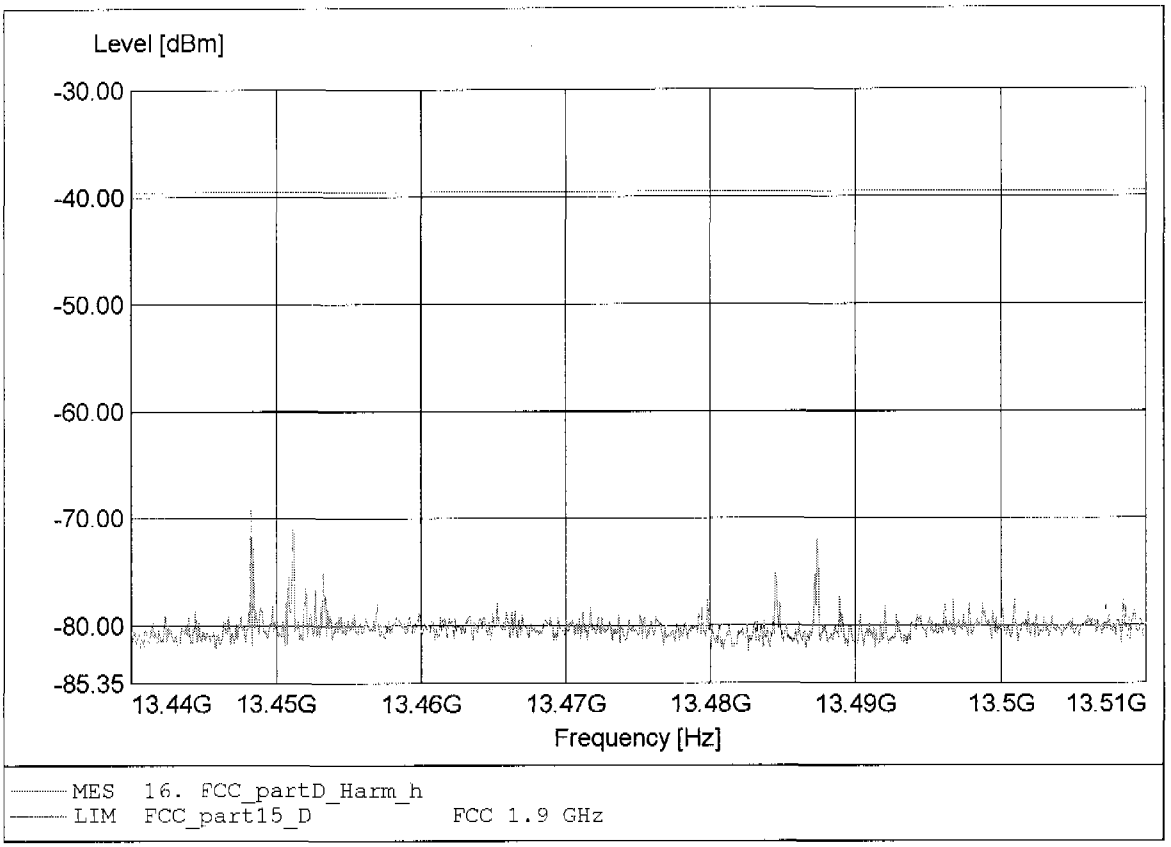
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:11.571GHz Pmax:-70.76dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

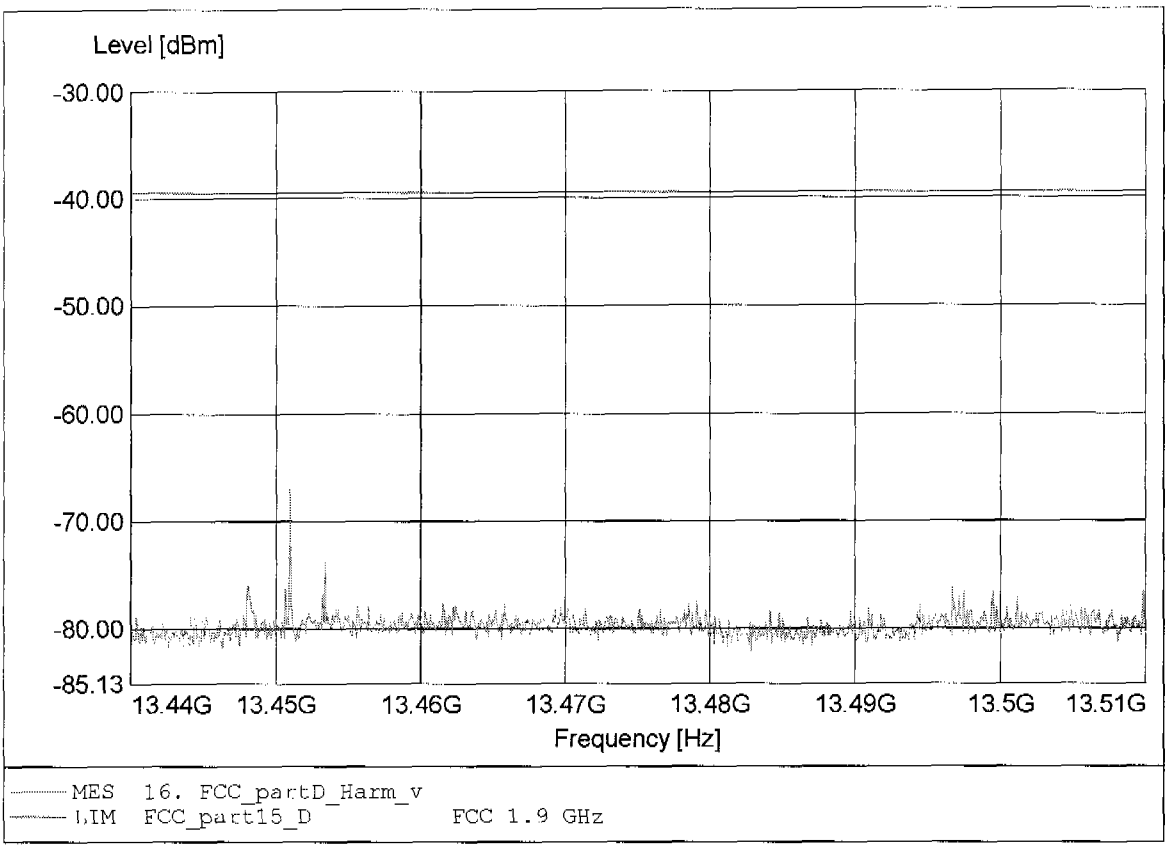
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:13.448GHz Pmax:-69.22dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

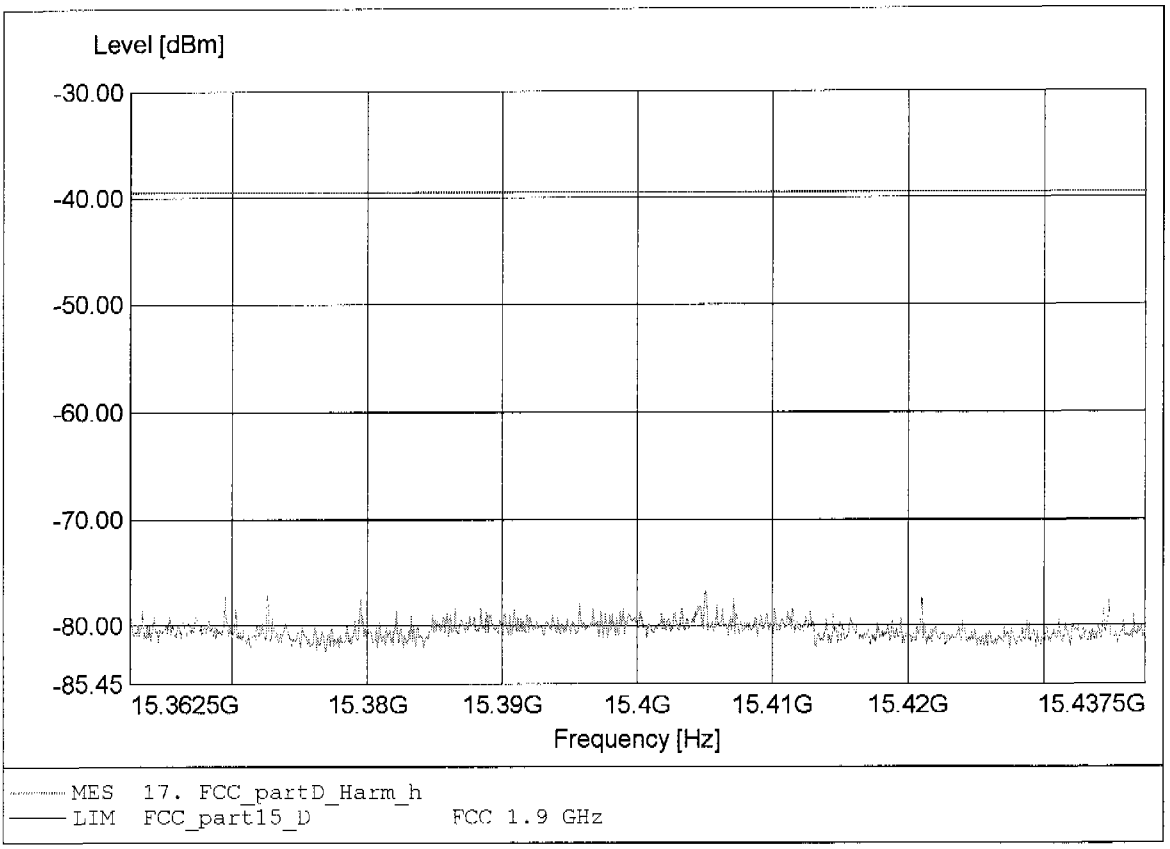
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:13.451GHz Pmax:-67.04dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

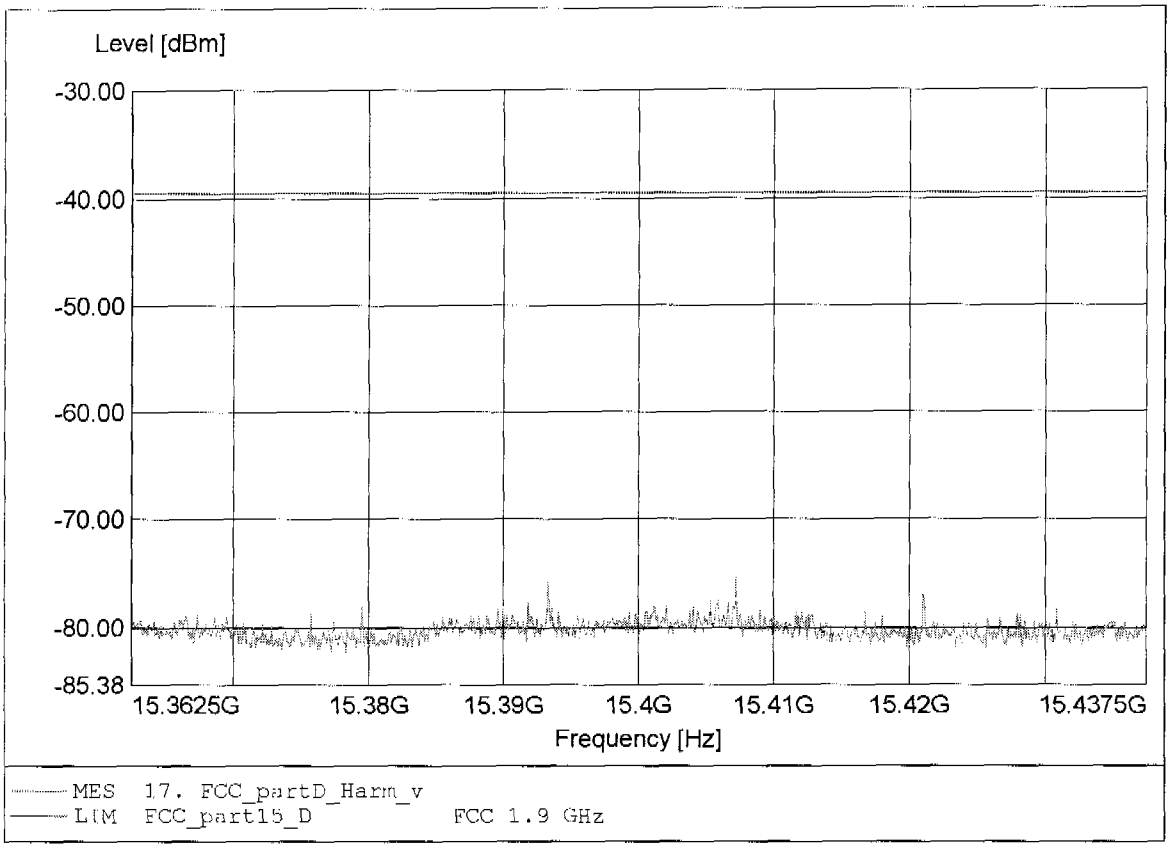
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:15.421GHz Pmax:-76.56dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

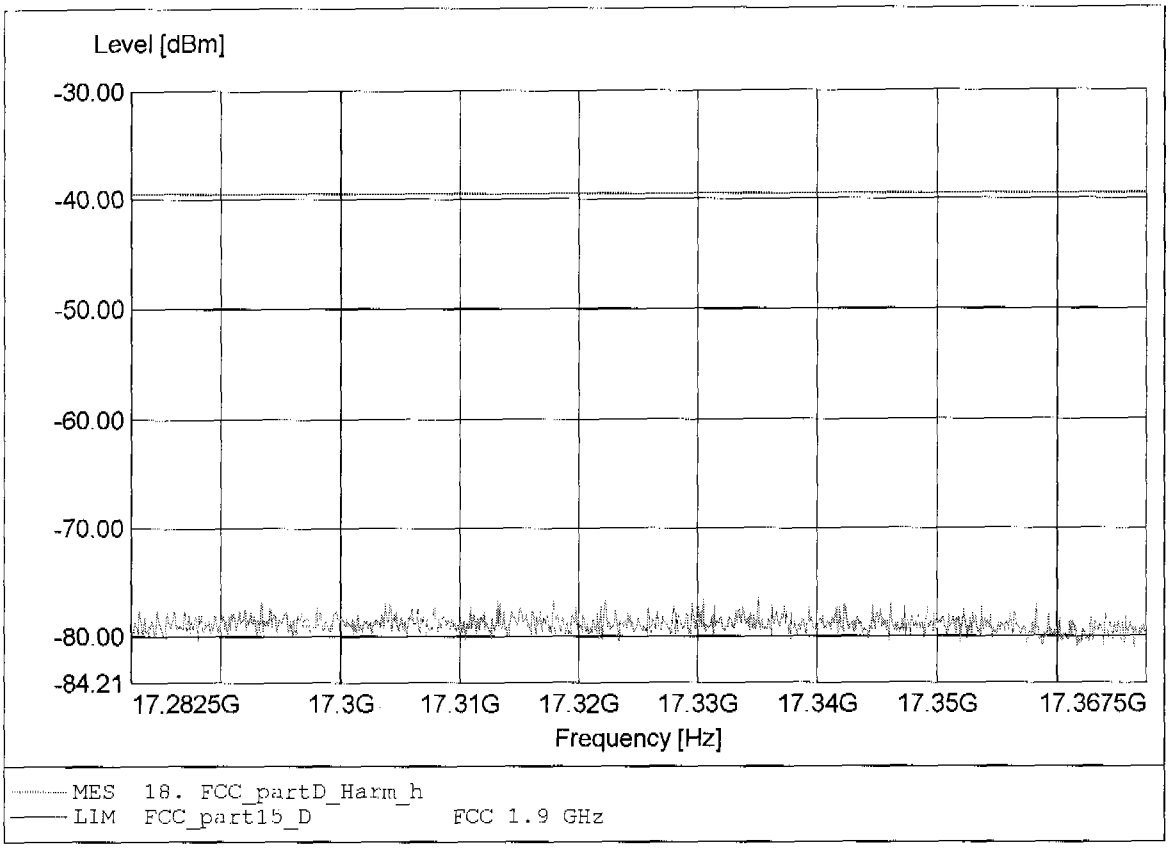
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:15.407GHz Pmax:-75.29dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

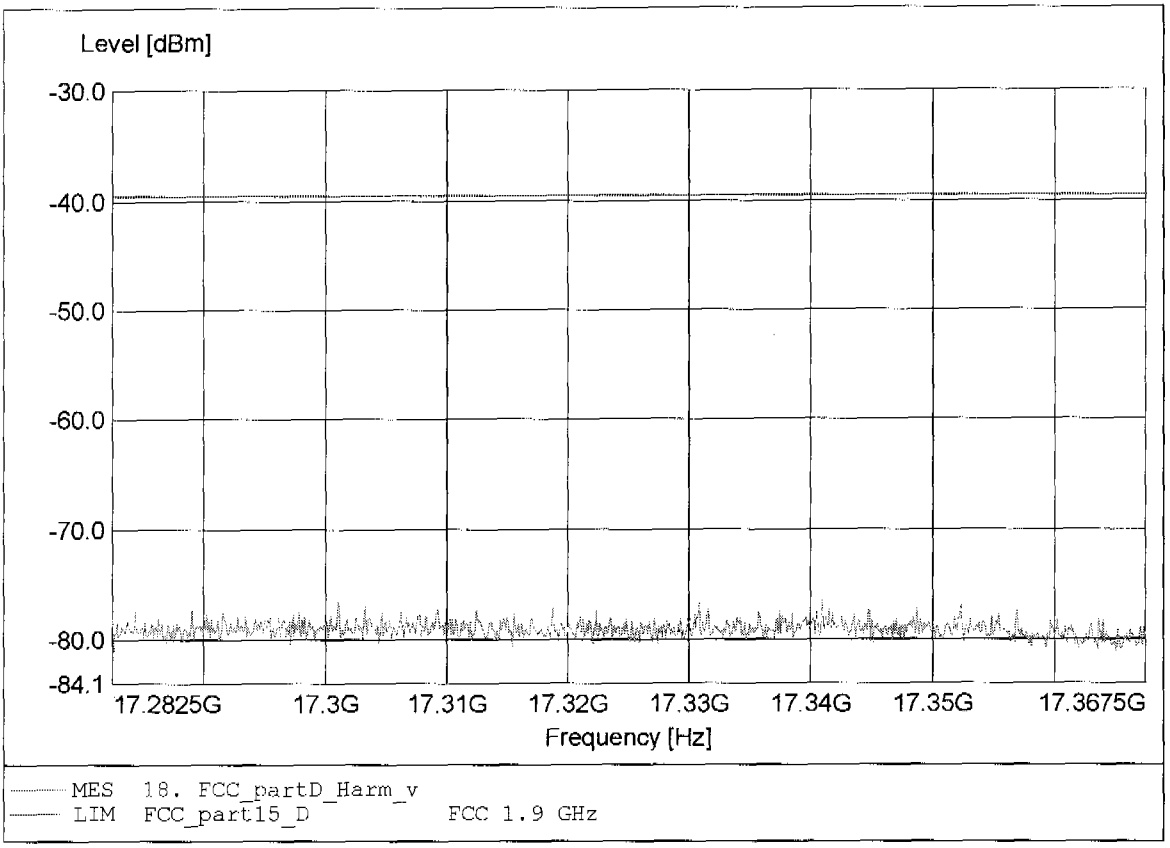
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:17.335GHz Pmax:-76.32dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

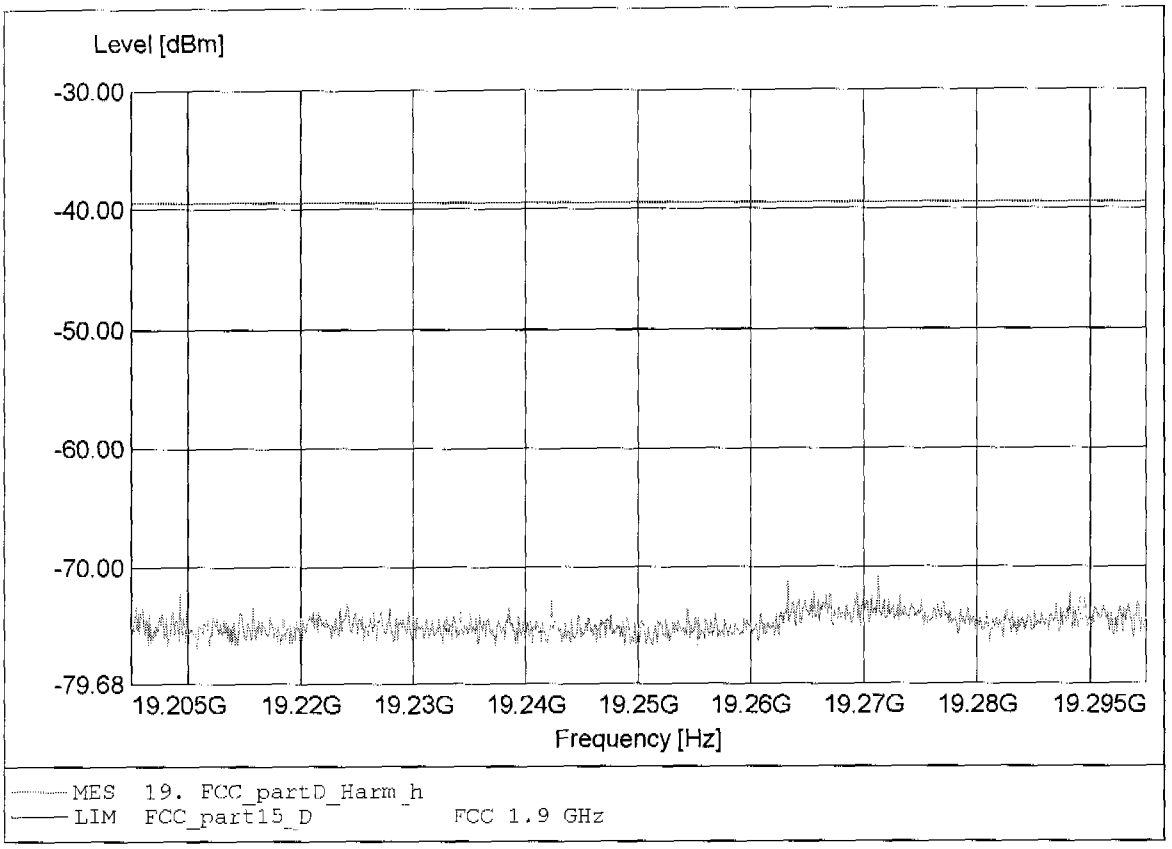
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:17.341GHz Pmax:-76.50dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

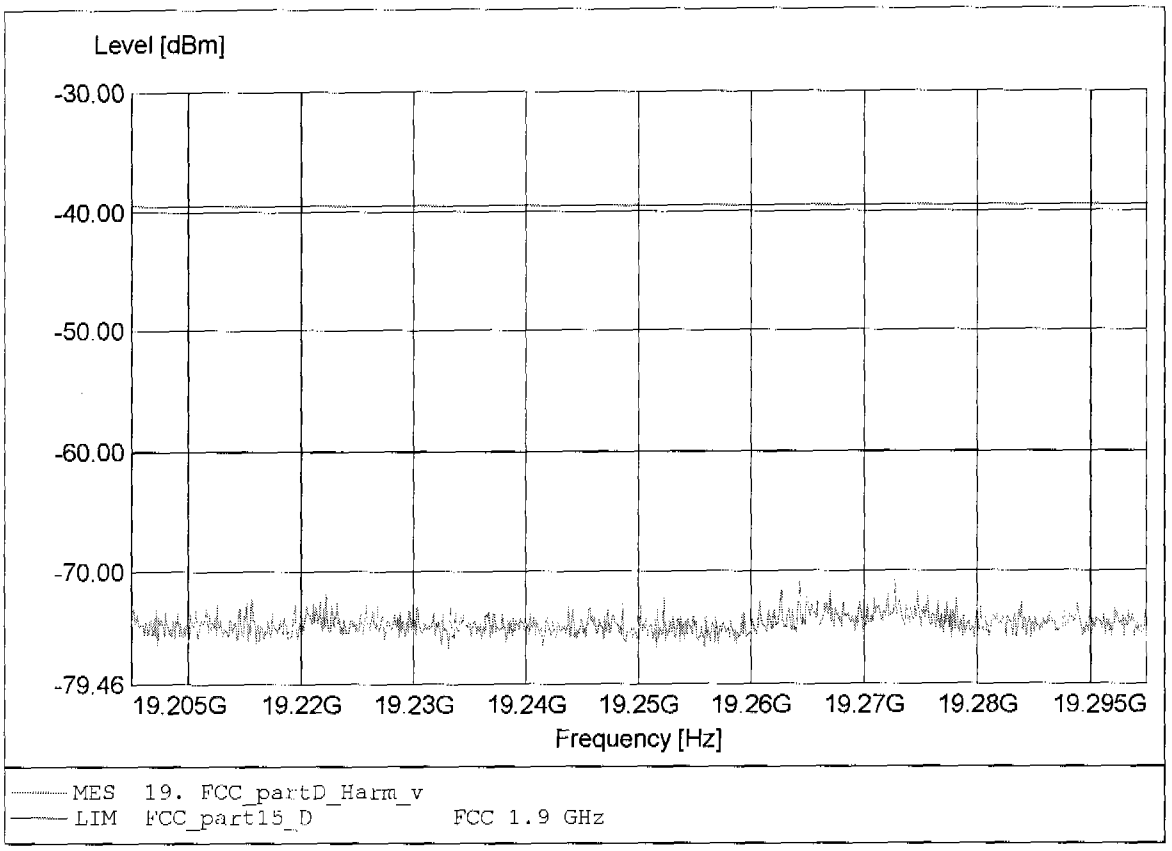
Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
Test Site / Operator:	ETS / Mr. Meng
Test Conditions:	25°C / 120 VAC (AC/DC-adaptor)
Test Specification:	Fully anechoic chamber / mode: Tx
Comment 1:	Dist.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:19.271GHz Pmax:-70.81dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Approval Holder:	NEC Philips Unified Solutions
EUT / ant. / Ch.:	3 IP DECT Basestation models / Ant. 0 / 1 / Ch.: 4 / 0
Model :	AP200 NA/AP200S NA / AP200E NA / external Ant.
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.: 1m, Ant.: HL 025, ampl.
Comment 2:	Freq:19.273GHz Pmax:-70.77dBm RBW:10 kHz



Appendix S

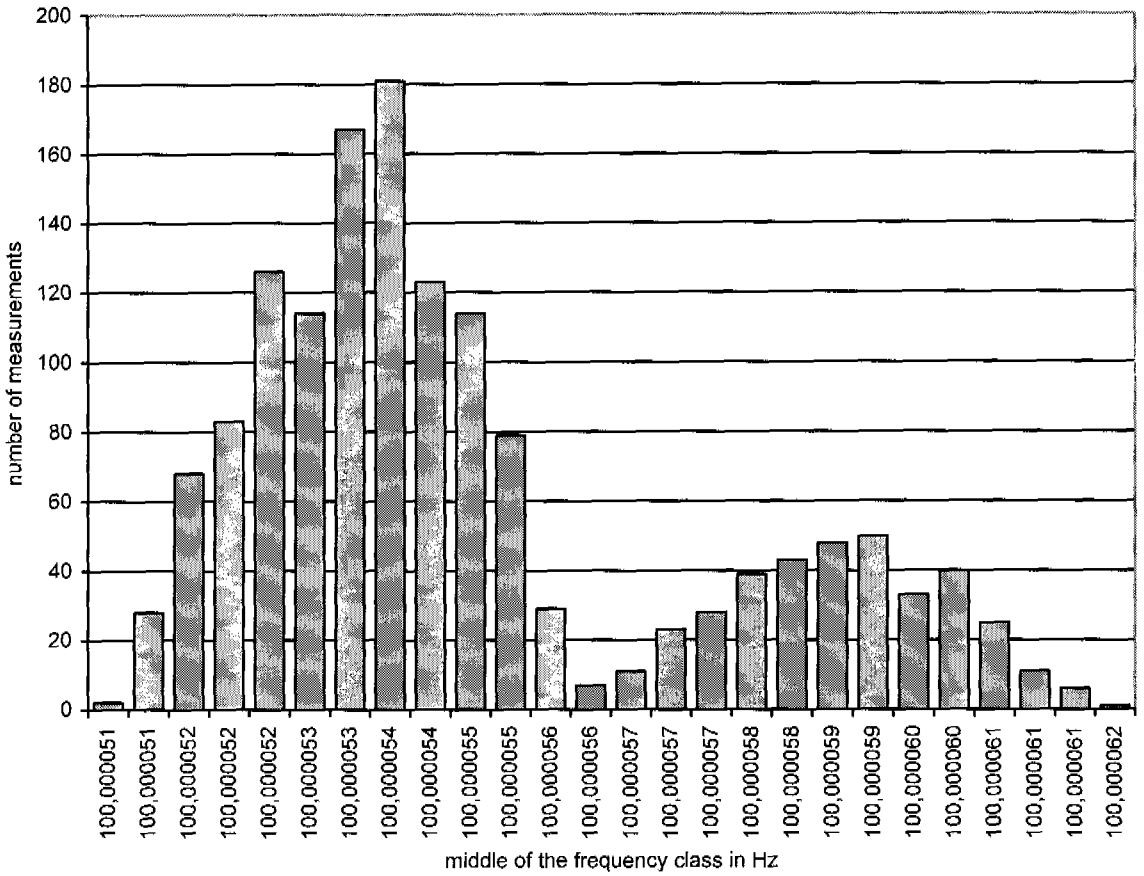
Frame period

FCC Part 15.323(e.1) Frame repetition

Testprocedure ANSI 63.17-1998 6.2.2
UCPS

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	6.2.2 Frame repetition
Width of the frequency class	0,000000 Hz
Mean	100,000055 Hz
Deviation	0,000003
Stability in ppm	0,077391 ppm
Test result	Verdict = PASS

Histogram



Measurement diagram

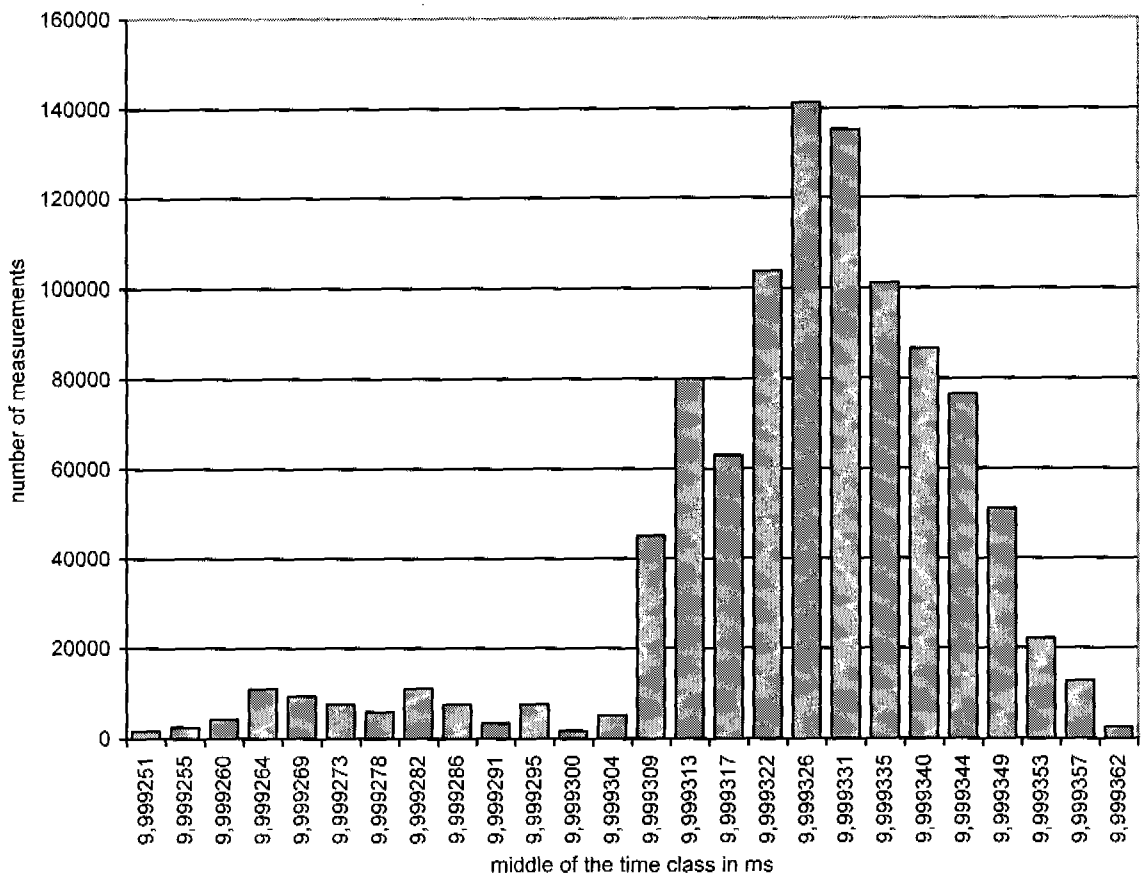
FCC Part 15.323(e.4) Frame Period and jitter

Testprocedure ANSI 63.17-1998 6.2.3
UCPS

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	6.2.3 Frame Period and jitter

Width of the time class	0,004433 µs
Mean	9,999326 ms
Deviation	0,000018
Max-Min	0,110827 µs
Test result	Verdict = PASS

Histogram



Measurement diagram

Appendix T

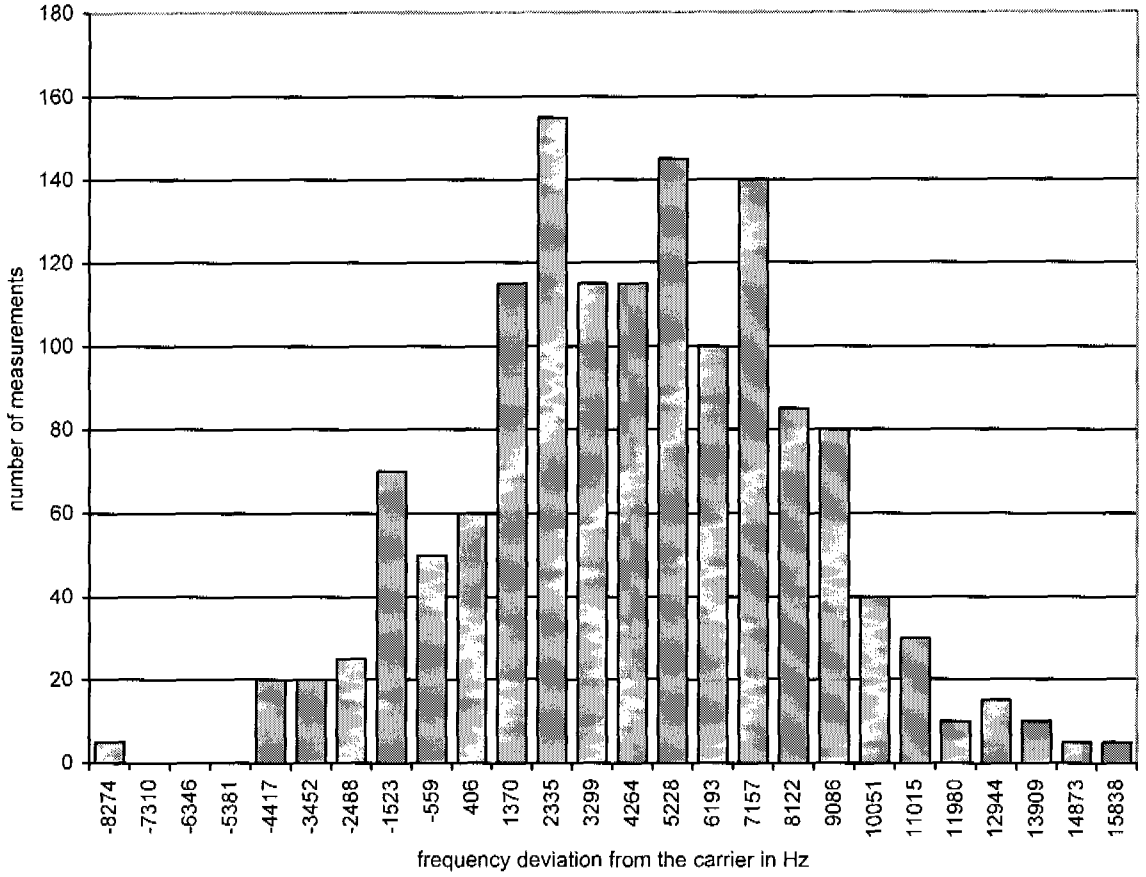
Frequency stability

FCC Part 15.323(f) Frequency Stability

Testprocedure ANSI 63.17-1998 6.2.1

EUT	3 IP DECT Basestation models
Model	AP200 NA / AP200S NA / AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	20 °C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.2.1 Frequency stability
Power supply	Vnom
Frequency of carrier	1924,996345 MHz
Measured mean	1924,996345 MHz
Stability (supply temp)	reference
Result	Verdict = PASS
Stability over time	fmax : 5,97 ppm fmin : 6,56 ppm
Result	Verdict = PASS

Histogram



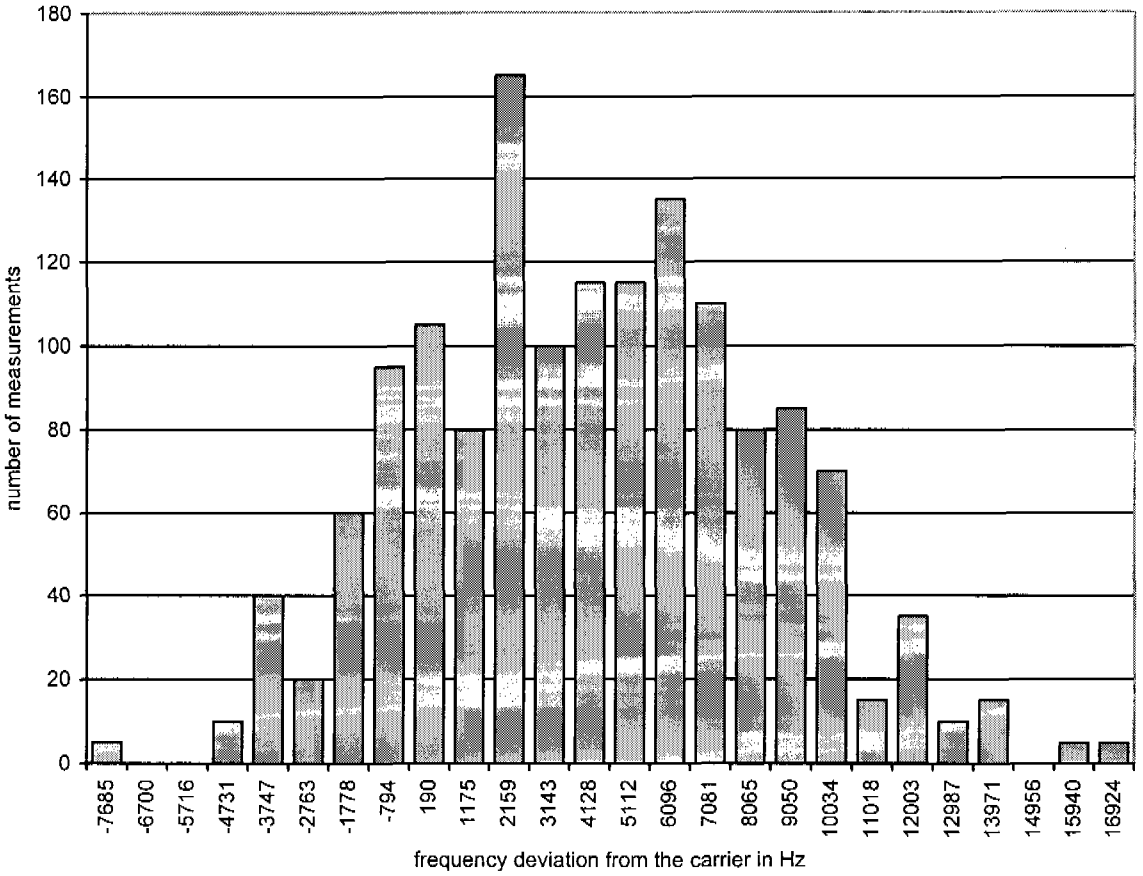
Measurement diagram

FCC Part 15.323(f) Frequency Stability

Testprocedure ANSI 63.17-1998 6.2.1

EUT	3 IP DECT Basestation models
Model	AP200 NA / AP200S NA / AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	20 °C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.2.1 Frequency stability
Power supply	Vmin
Frequency of carrier	1924,996345 MHz
Measured mean	1924,996190 MHz
Stability (supply temp)	-2,18 ppm
Result	Verdict = PASS
Stability over time	fmax : 6,62 ppm fmin : 6,17 ppm
Result	Verdict = PASS

Histogram



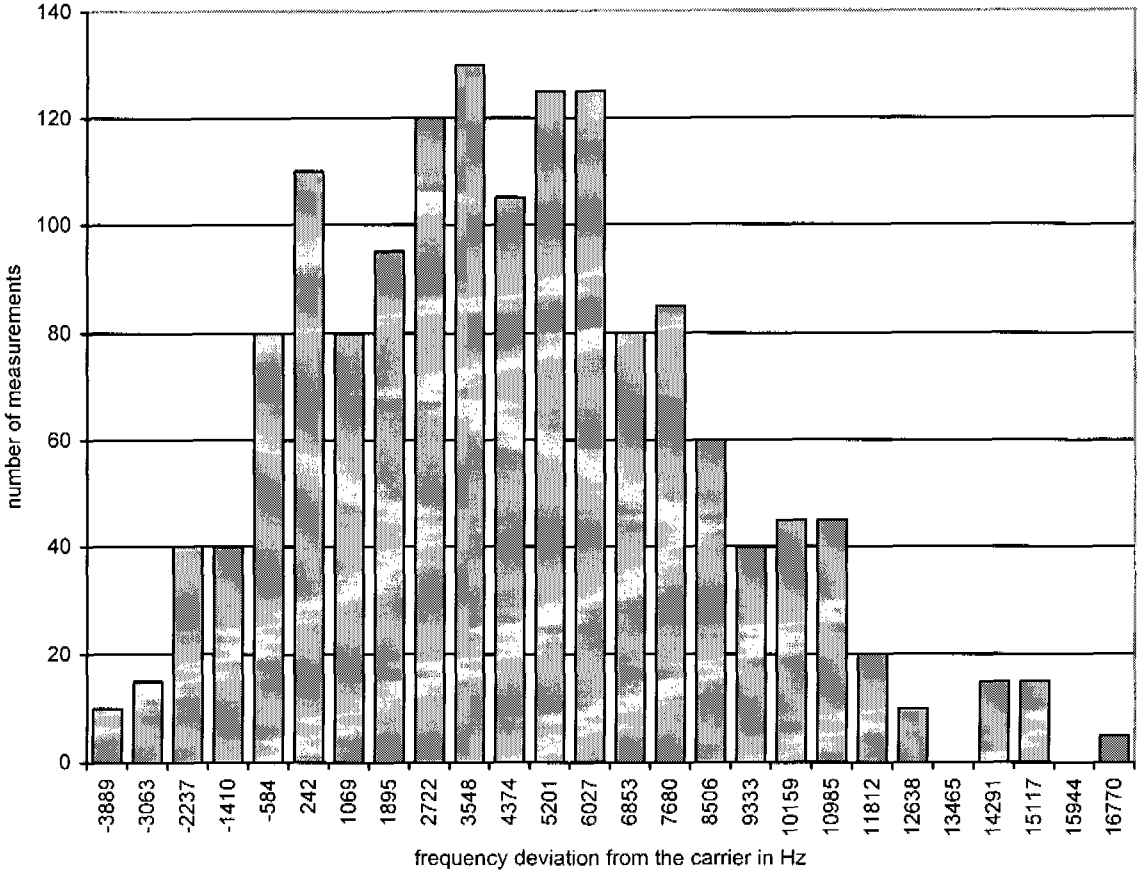
Measurement diagram

FCC Part 15.323(f) Frequency Stability

Testprocedure ANSI 63.17-1998 6.2.1

EUT	3 IP DECT Basestation models
Model	AP200 NA / AP200S NA / AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	20 °C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.2.1 Frequency stability
Power supply	Vmax
Frequency of carrier	1924,996345 MHz
Measured mean	1924,996422 MHz
Stability (supply temp)	-2,30 ppm
Result	Verdict = PASS
Stability over time	fmax : 6,41 ppm fmin : 4,32 ppm
Result	Verdict = PASS

Histogram



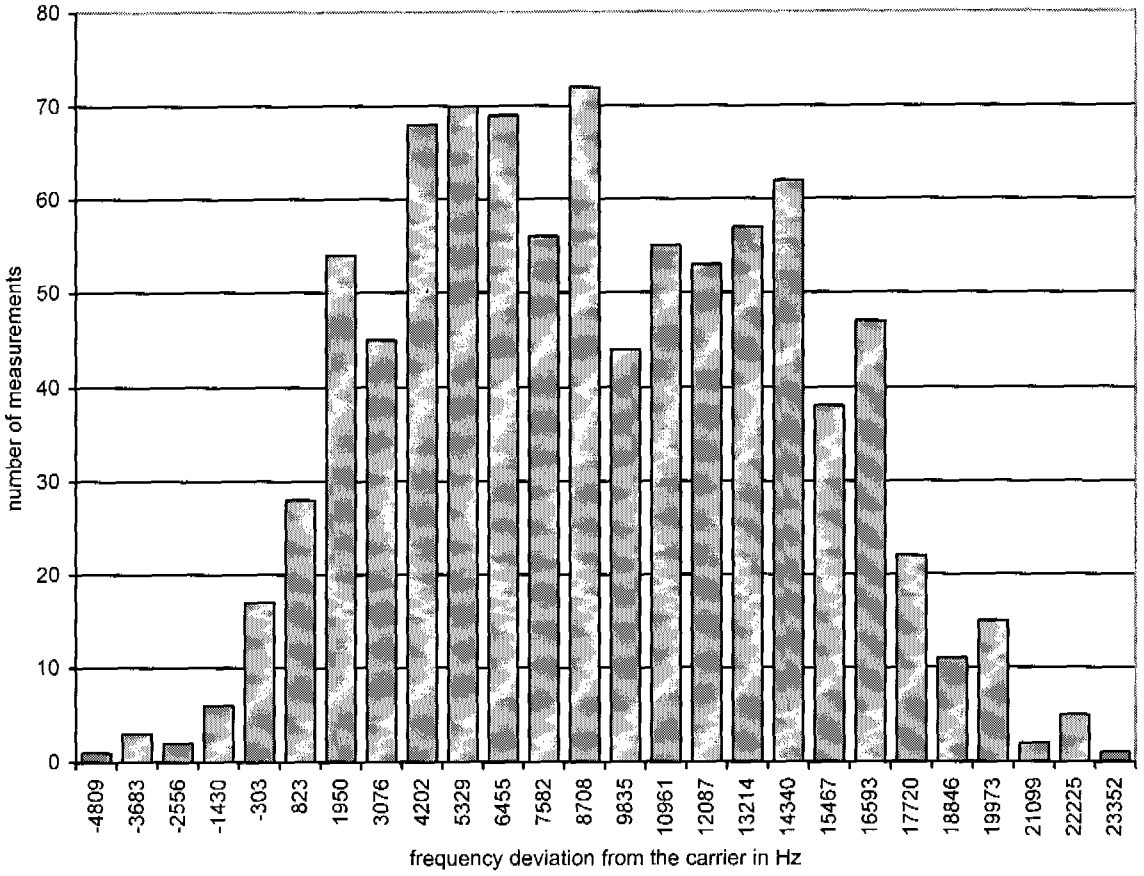
Measurement diagram

FCC Part 15.323(f) Frequency Stability

Testprocedure ANSI 63.17-1998 6.2.1

EUT	3 IP DECT Basestation models
Model	AP200 NA / AP200S NA / AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	0 °C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.2.1 Frequency stability
Power supply	Vnom
Frequency of carrier	1924,996345 MHz
Measured mean	1925,005375 MHz
Stability (supply temp)	-4,69 ppm
Result	Verdict = PASS
Stability over time	fmax : 7,44 ppm fmin : 7,19 ppm
Result	Verdict = PASS

Histogram



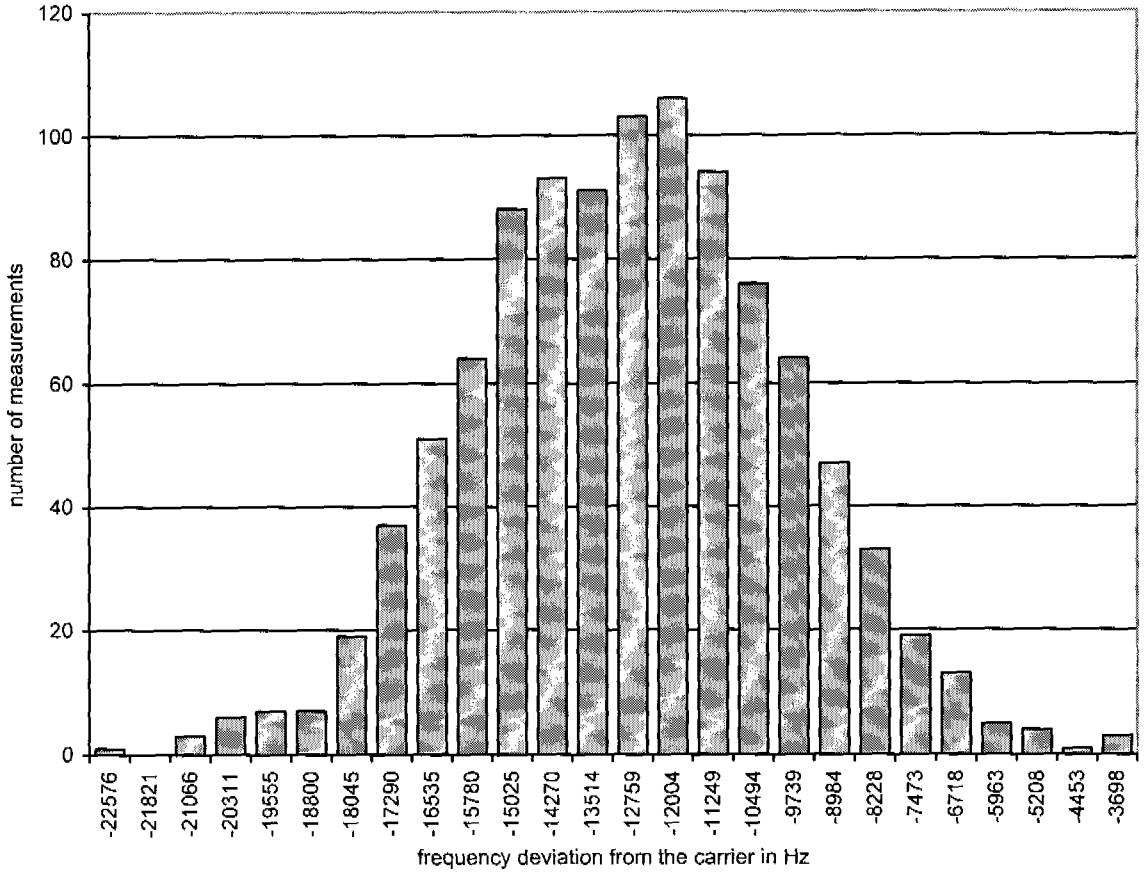
Measurement diagram

FCC Part 15.323(f) Frequency Stability

Testprocedure ANSI 63.17-1998 6.2.1

EUT	3 IP DECT Basestation models
Model	AP200 NA / AP200S NA / AP200E NA
Applicant	NEC Philips Unified Solutions
Temperature	45 °C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.2.1 Frequency stability
Power supply	Vnom
Frequency of carrier	1924,996345 MHz
Measured mean	1924,983553 MHz
Stability (supply temp)	6,65 ppm
Result	Verdict = PASS
Stability over time	fmax : 4,72 ppm fmin : 5,08 ppm
Result	Verdict = PASS

Histogram



Measurement diagram

Appendix U

Receiver spurious emissions