

Appendix Q

Duplex connections

ANSI 8.3.2 Duplex connections Subclause 8.3.2 c),d)

EUT	DECT 6.0, Handset
Model	DCX100 / AMWUU499
Applicant	Uniden America Corporation
Temperature	23°C
Test Site / Operator	ETS
Test Specification	ANSI C63.17-1998 Revision Draft
Comment 1	Rx time slot 2 is interference free
Comment 2	Connection in Rx time slot 2
Comment 3	Verdict : PASS



RESOLUTION BANDWIDTH

1 MHz

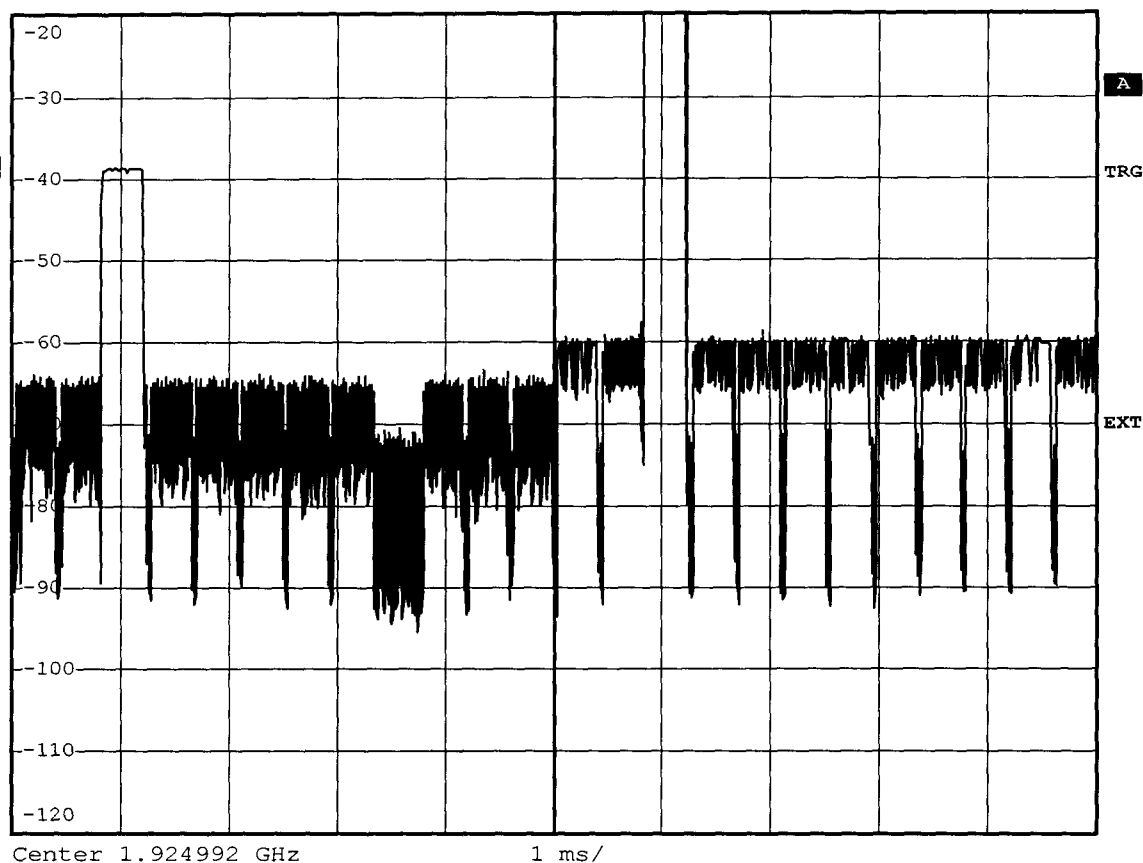
RBW 1 MHz

VBW 3 MHz

Ref -20 dBm

Att 10 dB

SWT 10 ms

1 AF
CLRWR

Comment: ANSI C63.17-1998

Date: 19.APR.2006 15:18:43

Measurment diagramm

ANSI 8.3.2 Duplex connections

Subclause 8.3.2 e),f)

EUT	Cordless DECT 6.0, Handset
Model	DCX100 / AMWUU499
Applicant	Uniden America Corporation
Temperature	23°C
Test Site / Operator	ETS
Test Specification	ANSI C63.17-1998 Revision Draft
Comment 1	Tx time slot 2 is interference free
Comment 2	Connection in Tx time slot 2
Comment 3	Verdict : PASS



RF ATTENUATION

10 dB

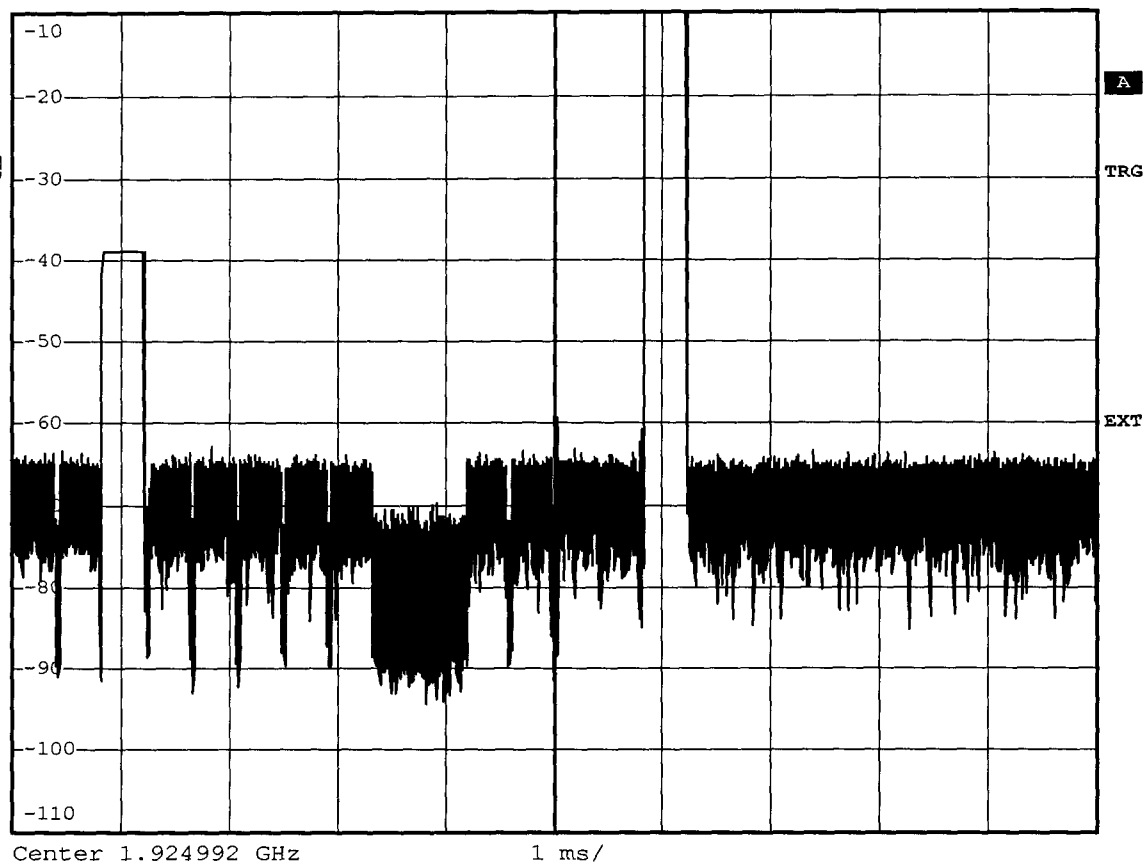
Ref -10 dBm

*Att 10 dB

RBW 1 MHz

VBW 3 MHz

SWT 10 ms

1 AF
CLRWR

Comment: ANSI C63.17-1998

Date: 19.APR.2006 15:32:20

Measurment diagramm

ANSI 8.3.2 Duplex connections Subclause 8.3.2 g)

EUT	DECT 6.0, Handset
Model	DCX100 / AMWUU499
Applicant	Uniden America Corporation
Temperature	23°C
Test Site / Operator	ETS
Test Specification	ANSI C63.17-1998 Revision Draft
Comment 1	No connection establisht in the interference free time slot.
Comment 2	The slot pair are not a duplex slot pair.
Comment 3	Verdict pass



RF ATTENUATION

10 dB

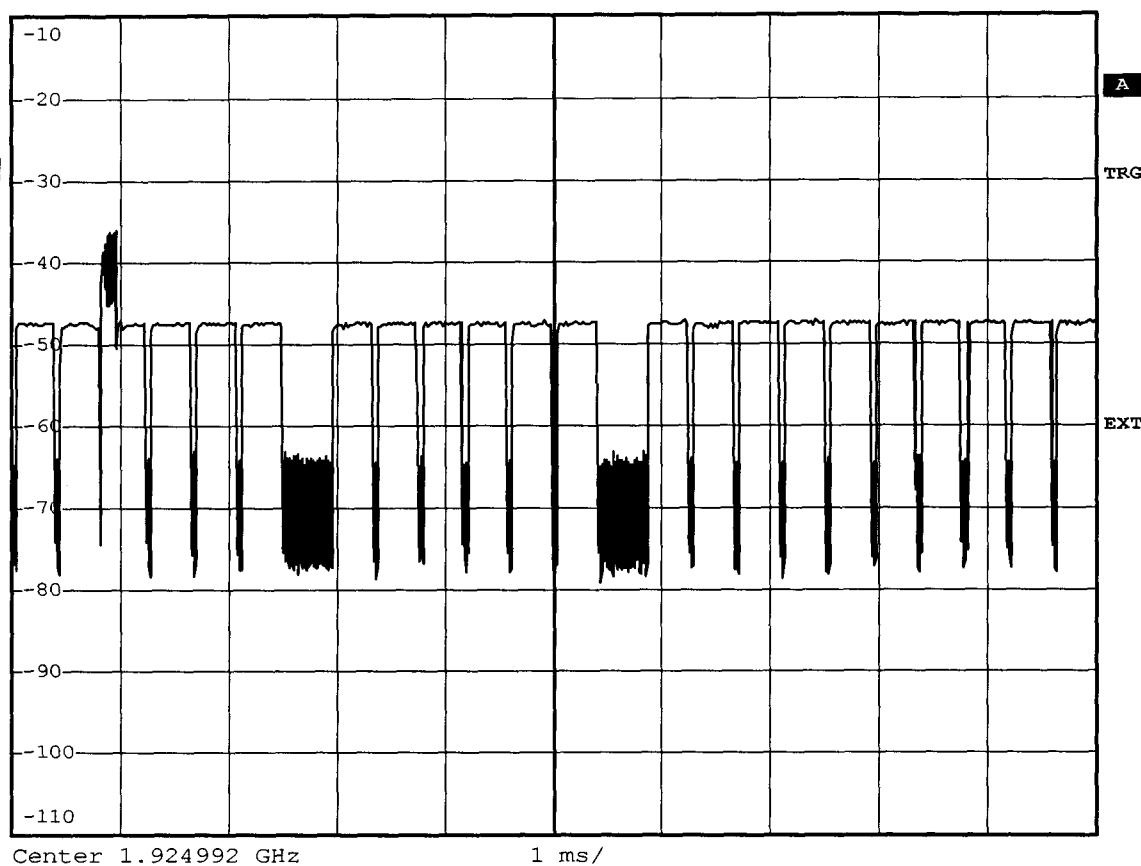
Ref -10 dBm

*Att 10 dB

RBW 1 MHz

VBW 3 MHz

SWT 10 ms

1 AB
CLRWR

Comment: ANSI C63.17-1998

Date: 19.APR.2006 15:34:37

Measurment diagramm

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	DECT 6.0, Handset
Model	DCX100 / AMWUU499
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.1 In-band unwanted emission

1.44MHz



In-band unwanted emis

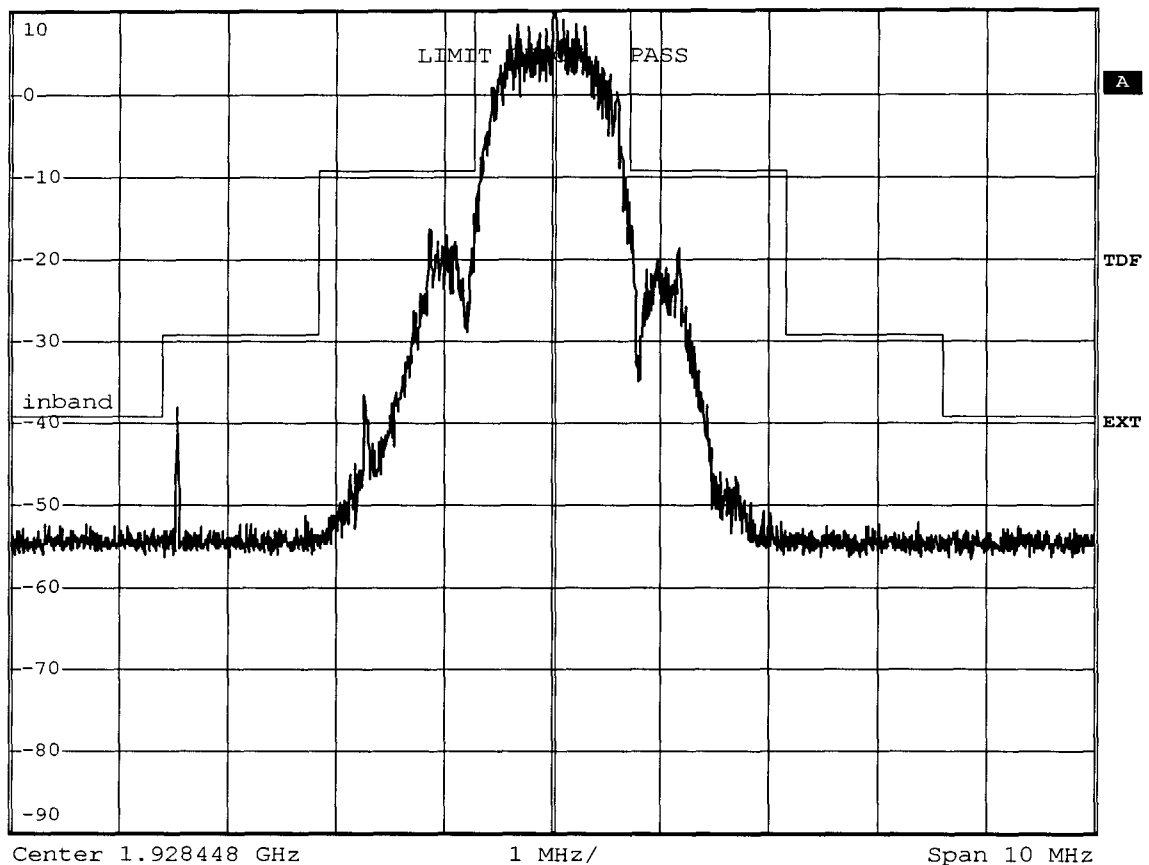
*RBW 10 kHz

*VBW 30 kHz

*SWT 23 s

Ref 10 dBm

*Att 20 dB

1 PK
MAXH

Comment: Ansi C63.17-1998 6.1.6.1

Date: 19.APR.2006 09:57:38

Measurement diagram

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

Testprocedure ANSI 63.17-1998 6.1.6.1

UPCS

EUT	DECT 6.0, Handset
Model	DCX100 / AMWUU499
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.1 In-band unwanted emission

1.44MHz



In-band unwanted emis

*RBW 10 kHz

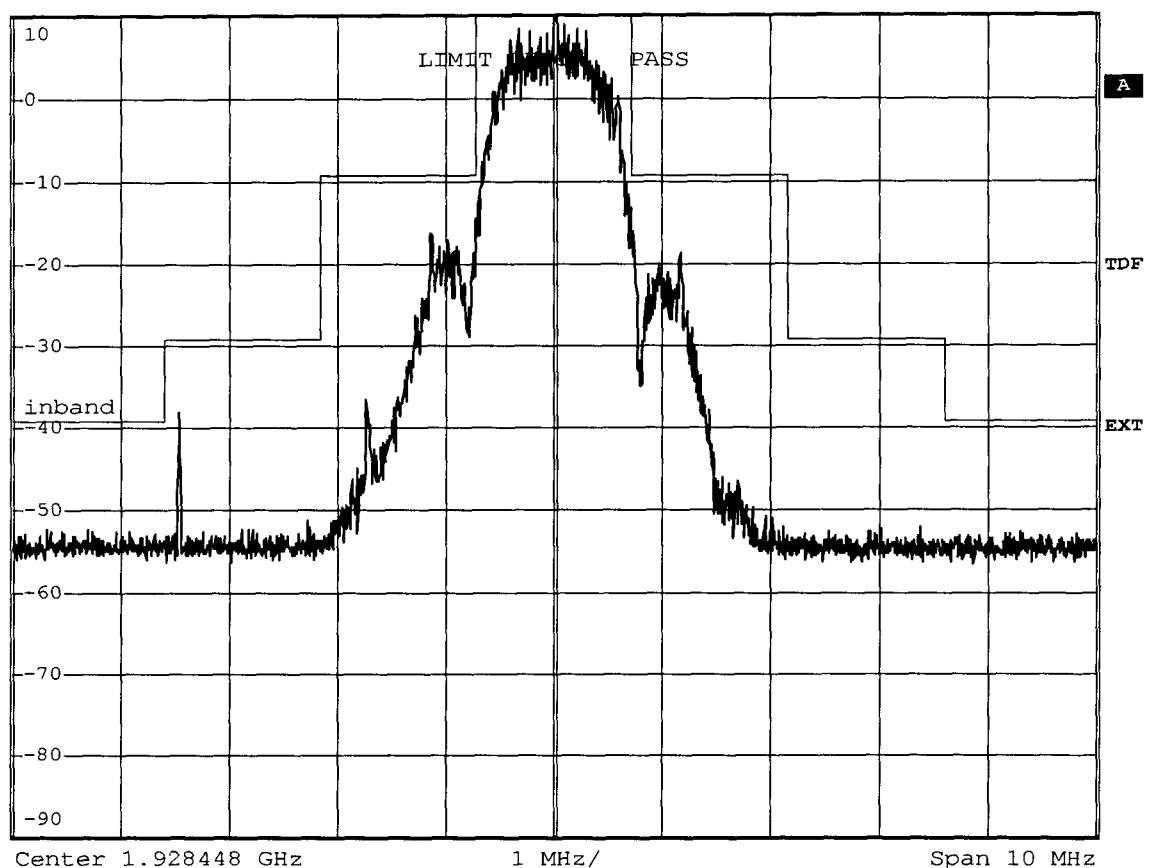
*VBW 30 kHz

*SWT 23 s

Ref 10 dBm

*Att 20 dB

1 PK
MAXH



Comment: Ansi C63.17-1998 6.1.6.1

Date: 19.APR.2006 09:57:38

Measurement diagram

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

Testprocedure ANSI 63.17-1998 6.1.6.2 UPCS

EUT	DECT 6.0, Handset
Model	DCX100 / AMWUU499
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.2 Out-of-band emission

measurement on the lowest carrier
Carrier=1921.536MHz



Out-of-band emission

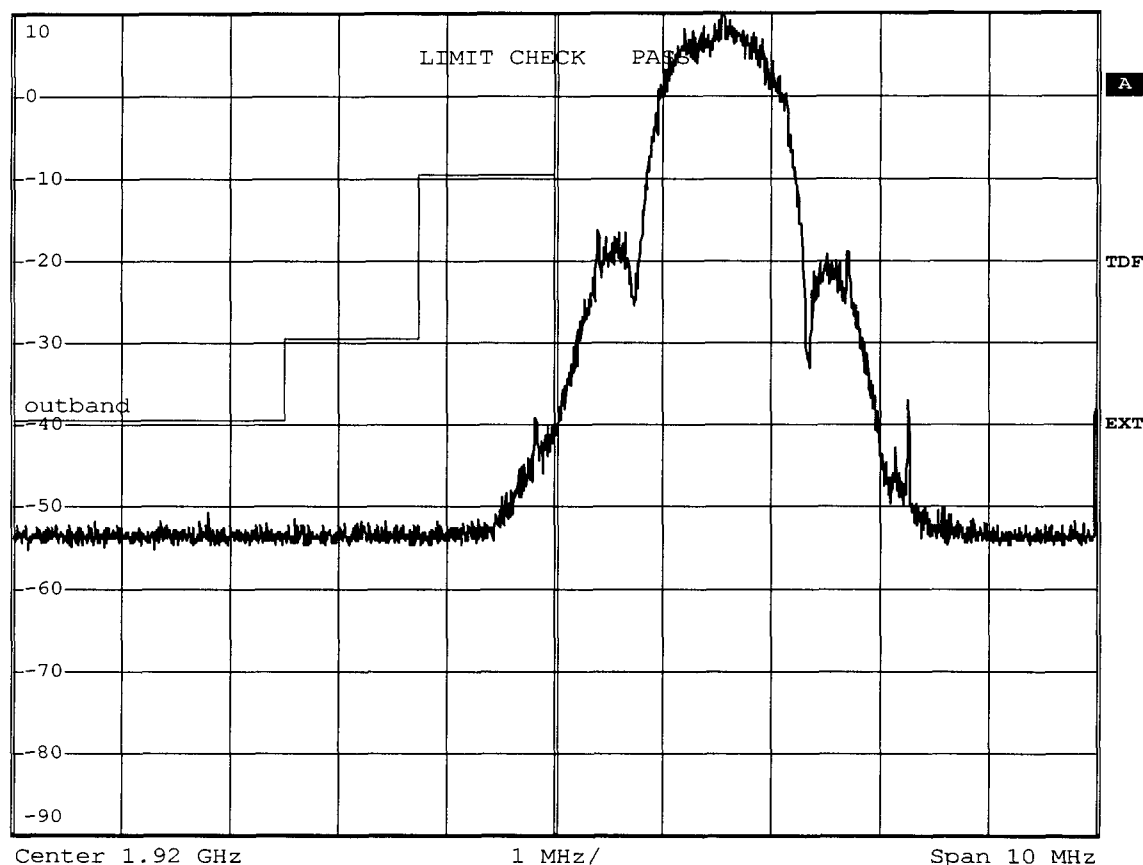
*RBW 10 kHz

*VBW 30 kHz

Ref 10 dBm

*Att 20 dB

*SWT 23 s

1 PK
MAXH

Comment: Ansi C63.17-1998 6.1.6.2

Date: 19.APR.2006 10:05:27

Measurement diagram

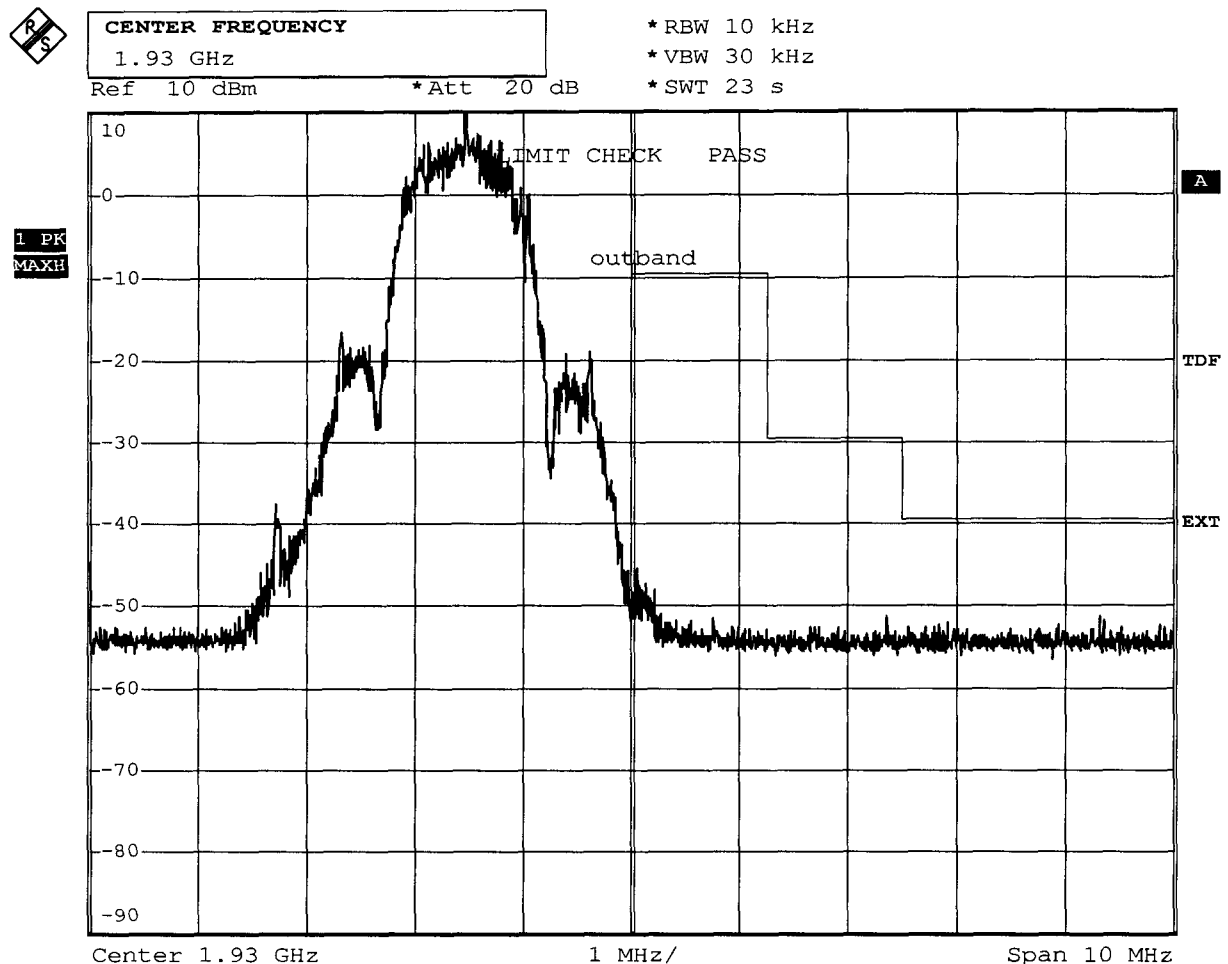
FCC Part 15.323(d.1) Out-of-band emission

Testprocedure ANSI 63.17-1998 6.1.6.2

UPCS

EUT	DECT 6.0, Handset
Model	DCX100 / AMWUU499
Applicant	RTX Telecom A/S
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



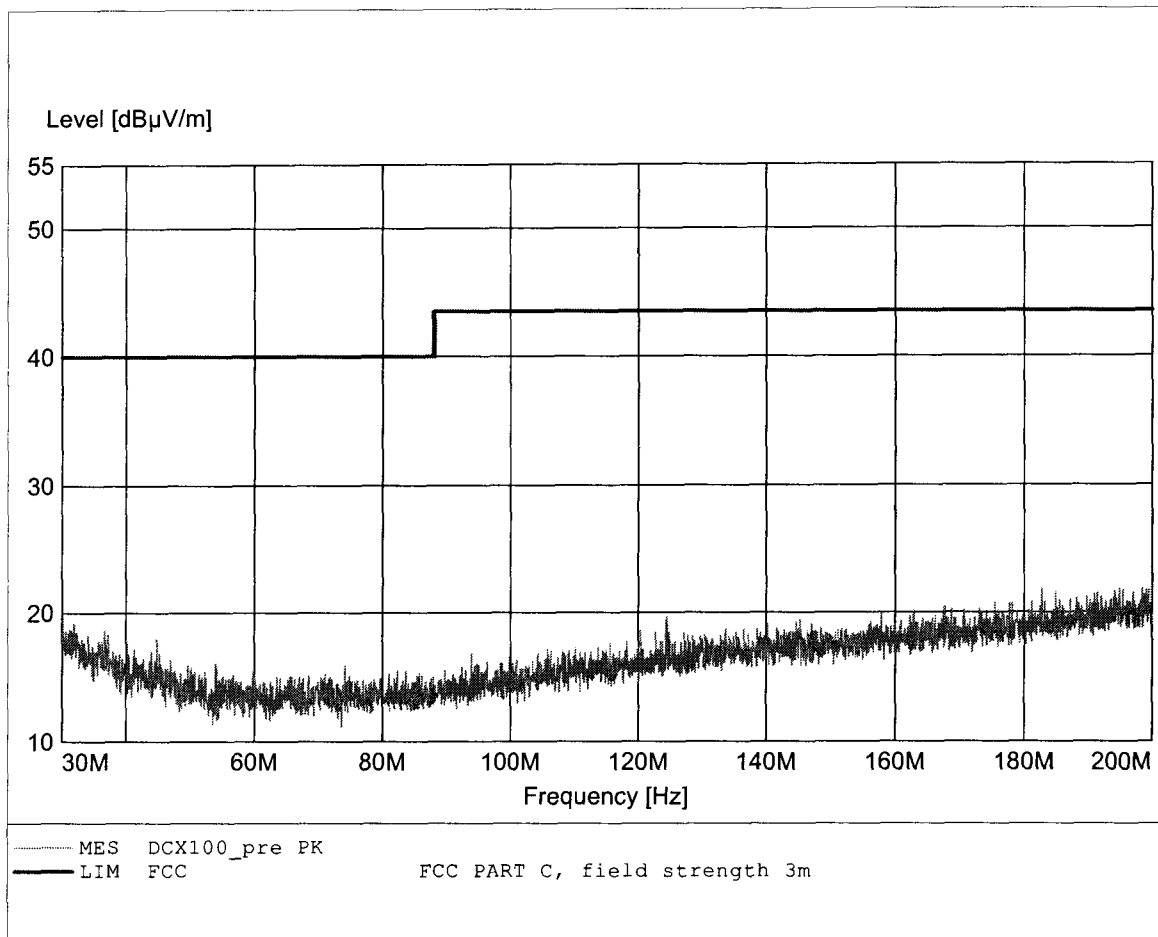
Comment: Ansi C63.17-1998 6.1.6.2
Date: 19.APR.2006 10:19:27

Measurement diagram

Spurious emission under normal conditions

according to FCC part 15

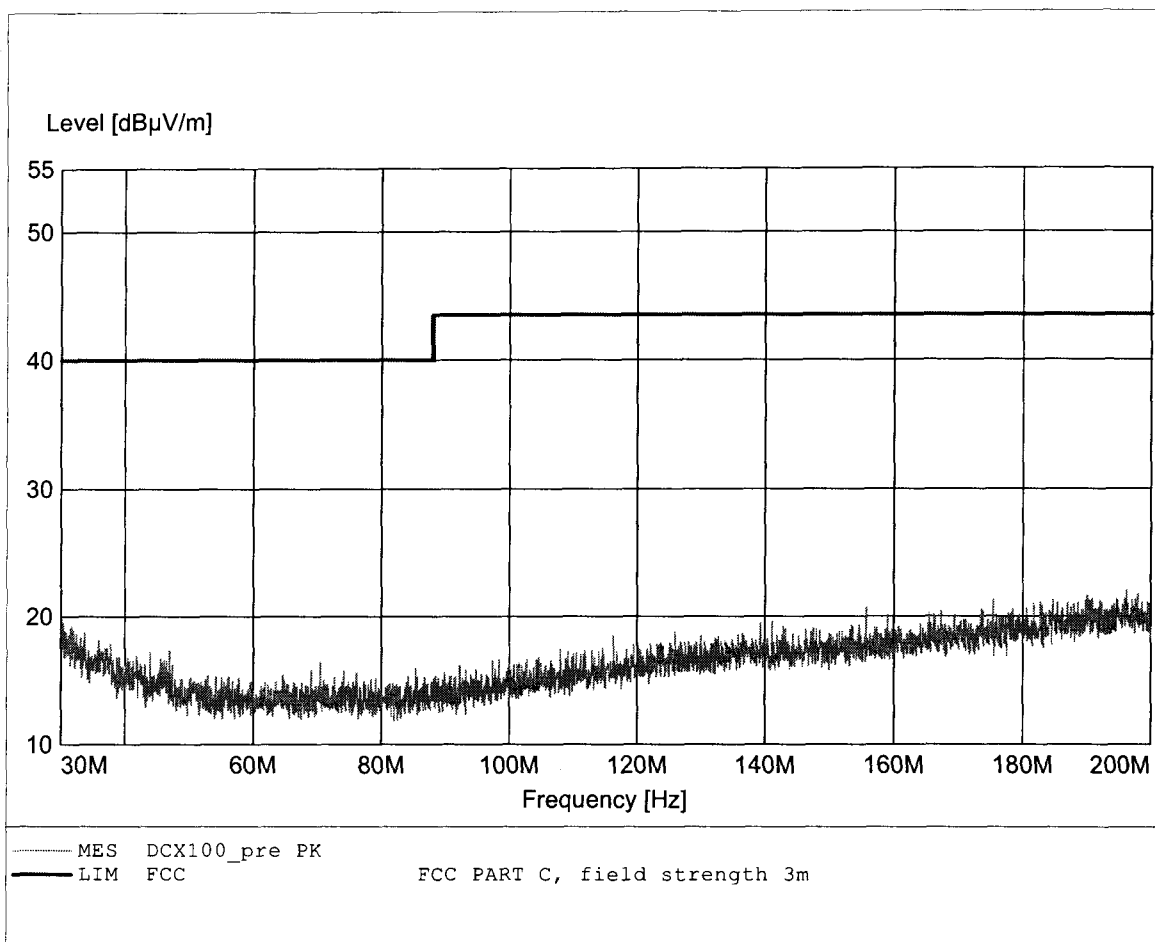
EUT: DECT 6.0, Handset
Manufacturer: Uniden America Corporation
Operating Condition: Unom: 2 x 1.5 V DC (BATTERY), Tnom: 23°C
Test Site: ETS
Operator: Mr. Marquardt
Test Specification: Ant: HK 116, vertical
Comment: model: DCX100 / AMWUU499 mode: link
channel: 0/4



Spurious emission under normal conditions

according to FCC part 15

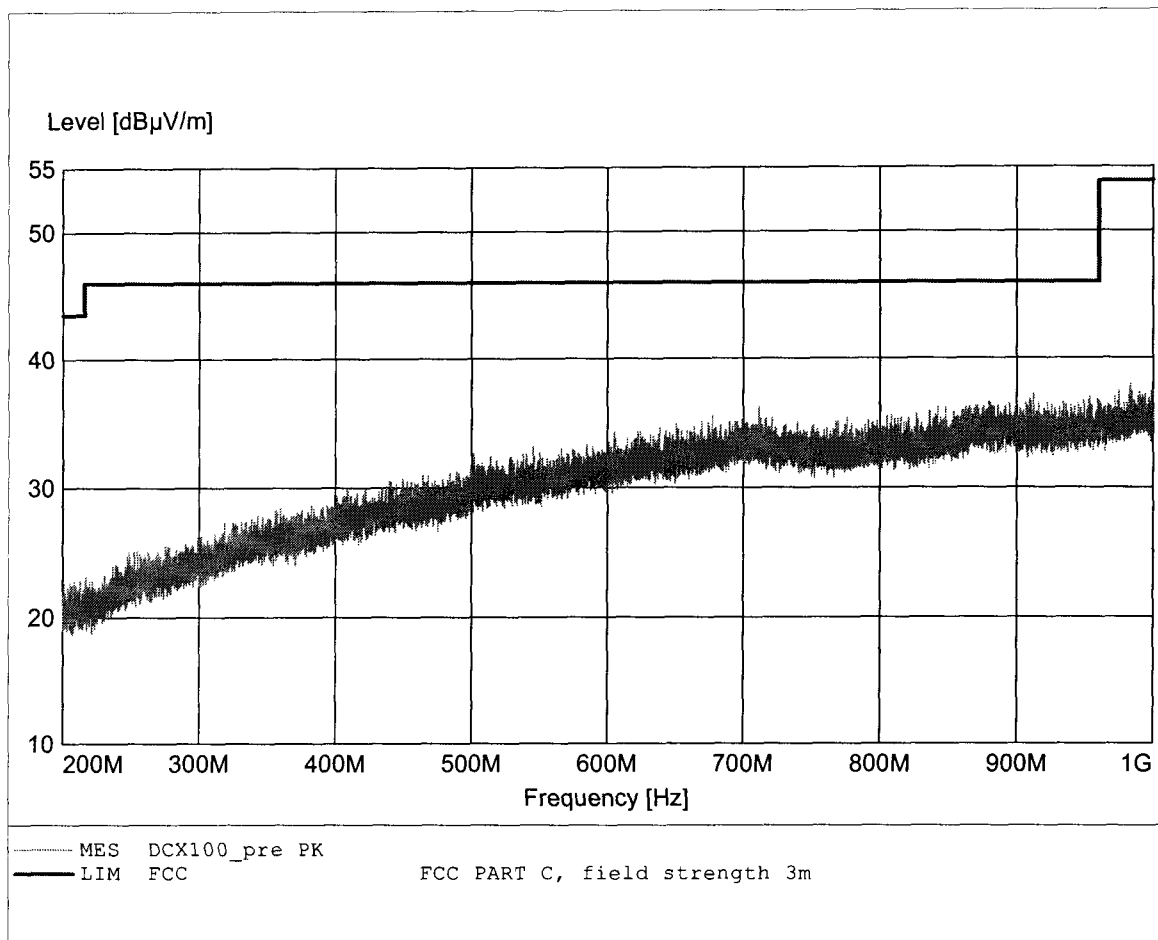
EUT: DECT 6.0, Handset
Manufacturer: Uniden America Corporation
Operating Condition: Unom: 2 x 1.5 V DC (BATTERY), Tnom: 23°C
Test Site: ETS
Operator: Mr. Marquardt
Test Specification: Ant: HK 116, horizontal
Comment: model: DCX100 / AMWUU499 mode: link
channel: 0/4



Spurious emission under normal conditions

according to FCC part 15

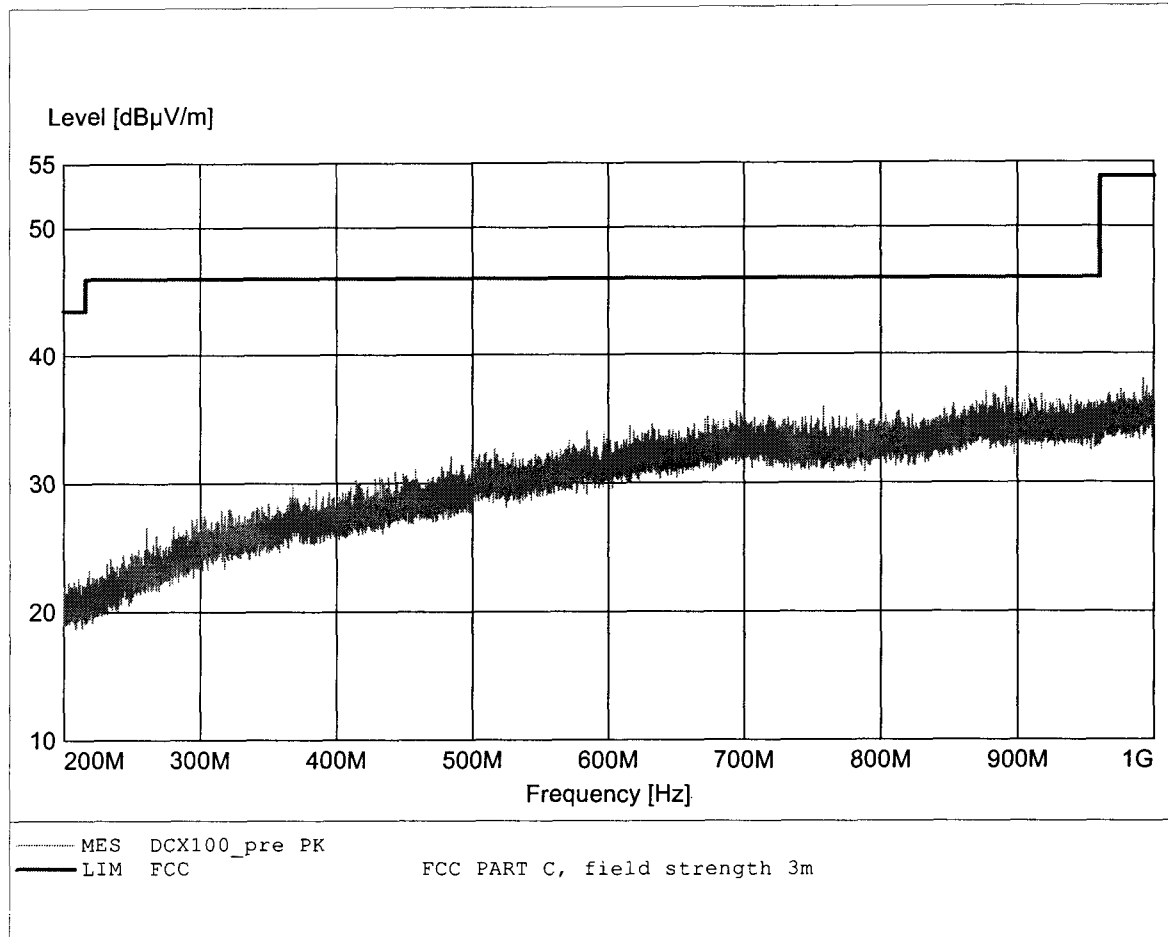
EUT: DECT 6.0, Handset
Manufacturer: Uniden America Corporation
Operating Condition: Unom: 2 x 1.5 V DC (BATTERY), Tnom: 23°C
Test Site: ETS
Operator: Mr. Marquardt
Test Specification: Ant: HL 223, vertical
Comment: model: DCX100 / AMWUU499 mode: link
channel: 0/4



Spurious emission under normal conditions

according to FCC part 15

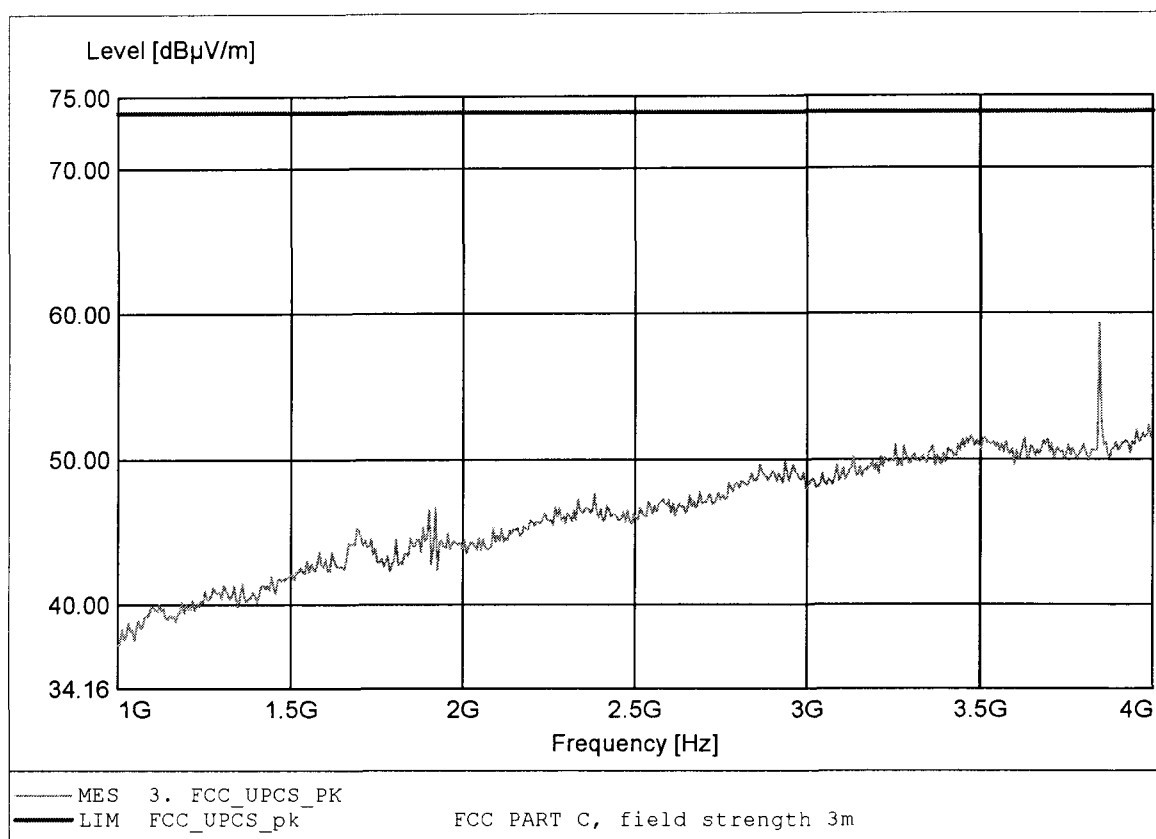
EUT: DECT 6.0, Handset
Manufacturer: Uniden America Corporation
Operating Condition: Unom: 2 x 1.5 V DC (BATTERY), Tnom: 23°C
Test Site: ETS
Operator: Mr. Marquardt
Test Specification: Ant: HL 223, horizontal
Comment: model: DCX100 / AMWUU499 mode: link
channel: 0/4



Spurious emissions under normal conditions

FCC RULES PART 15

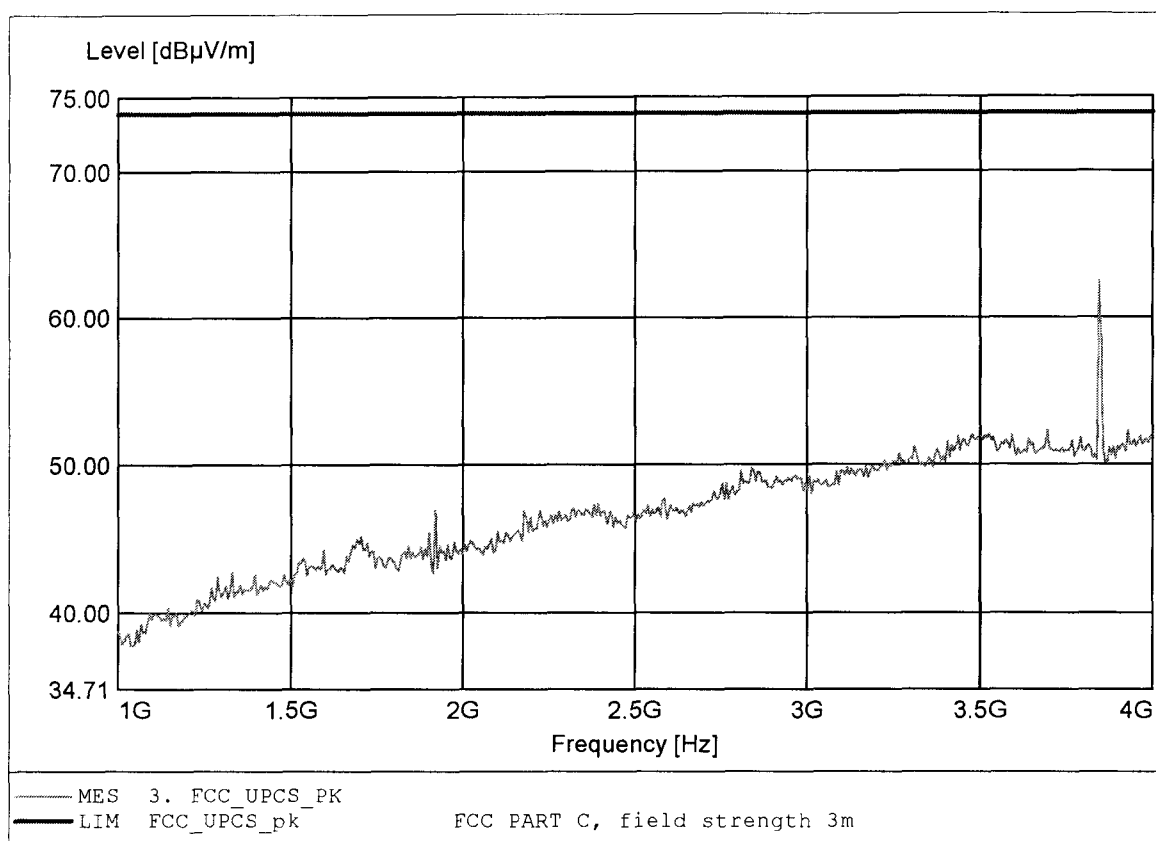
Approval Holder: Uniden America Corporation
EUT : DECT 6.0, HANDSET
Model: DCX100 / AMWUU499 / 1921.536 MHz / 1928.448 MHz
Test Site / Operator: ETS / Mr. Handrik
Test Conditions: 23°C / Unom: 2.4 V DC (rechargeable battery)
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025, ampl., notch filter
Comment 2: Freq:3.844GHz Pmax:59.30dBμV/m RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15

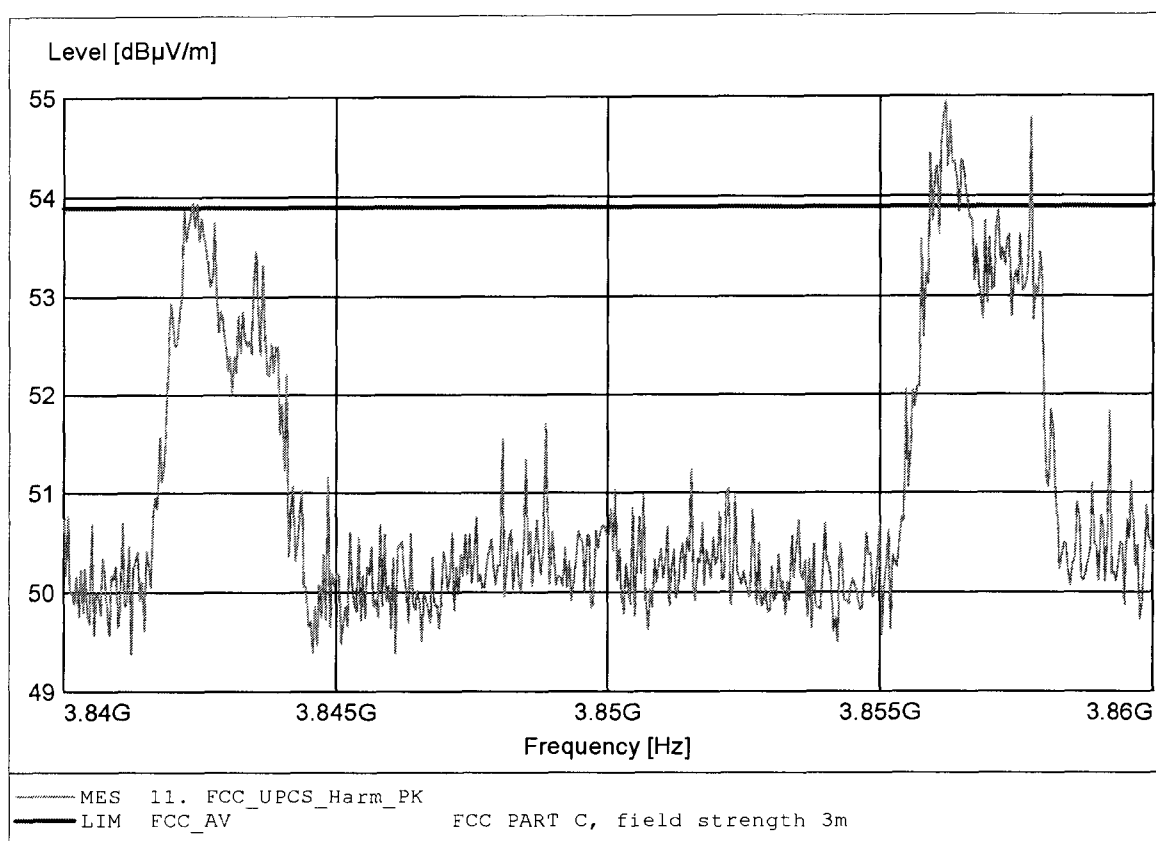
Approval Holder: Uniden America Corporation
EUT : DECT 6.0, HANDSET
Model: DCX100 / AMWUU499 / 1921.536 MHz / 1928.448 MHz
Test Site / Operator: ETS / Mr. Handrik
Test Conditions: 23°C / Unom: 2.4 V DC (rechargeable battery)
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025, ampl., notch filter
Comment 2: Freq:3.844GHz Pmax:62.48dBμV/m RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15

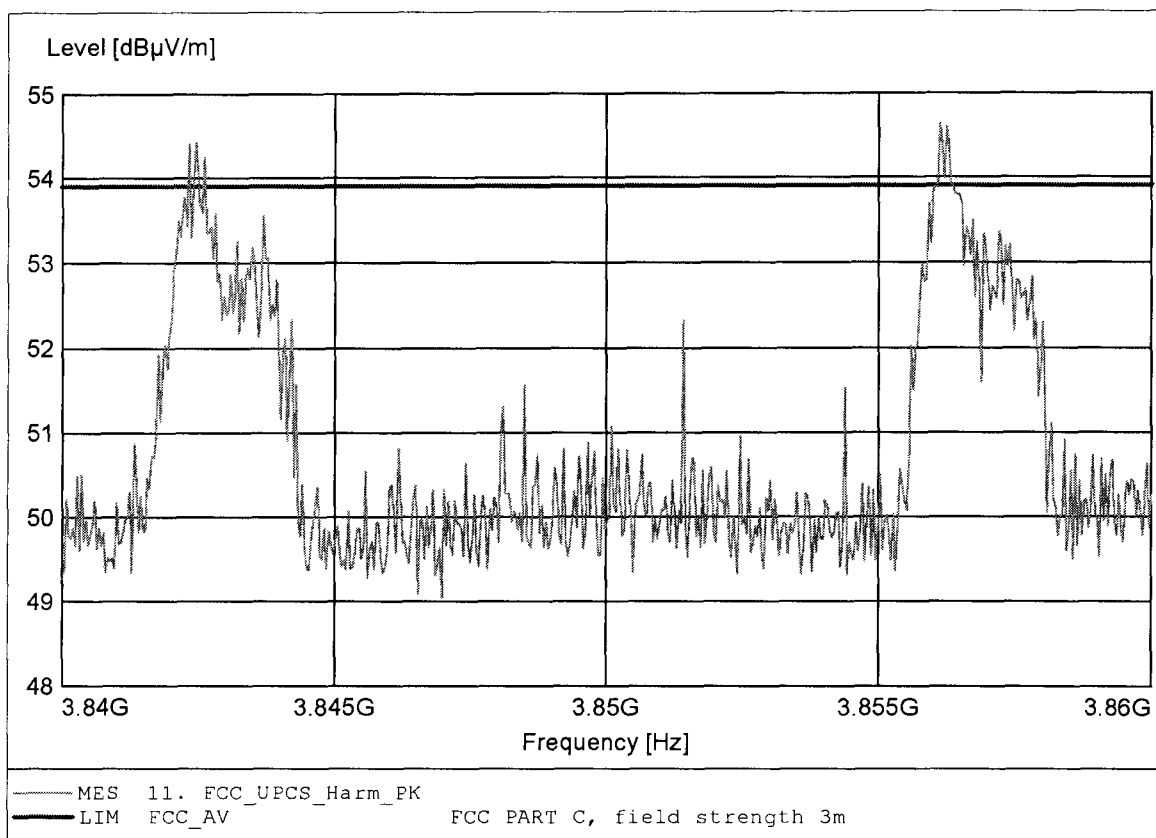
Approval Holder: Uniden America Corporation
EUT : DECT 6.0, HANDSET
Model: DCX100 / AMWUU499 / 1921.536 MHz / 1928.448 MHz
Test Site / Operator: ETS / Mr. Handrik
Test Conditions: 23°C / Unom: 2.4 V DC (rechargeable battery)
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025, ampl., notch filter
Comment 2: Freq: 3.856GHz Pmax: 54.95dBuV/m RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15

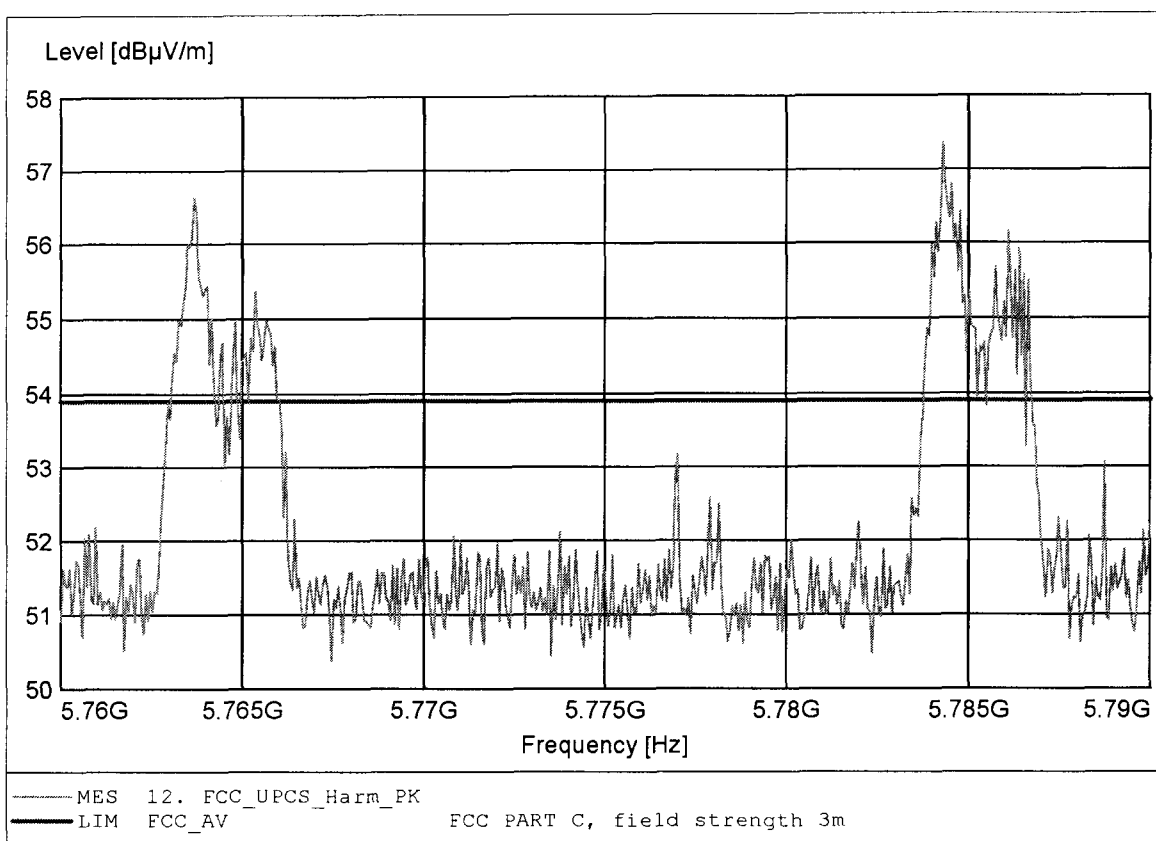
Approval Holder: Uniden America Corporation
EUT : DECT 6.0, HANDSET
Model: DCX100 / AMWUU499 / 1921.536 MHz / 1928.448 MHz
Test Site / Operator: ETS / Mr. Handrik
Test Conditions: 23°C / Unom: 2.4 V DC (rechargeable battery)
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025, ampl., notch filter
Comment 2: Freq:3.856GHz Pmax:54.64dBuV/m RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15

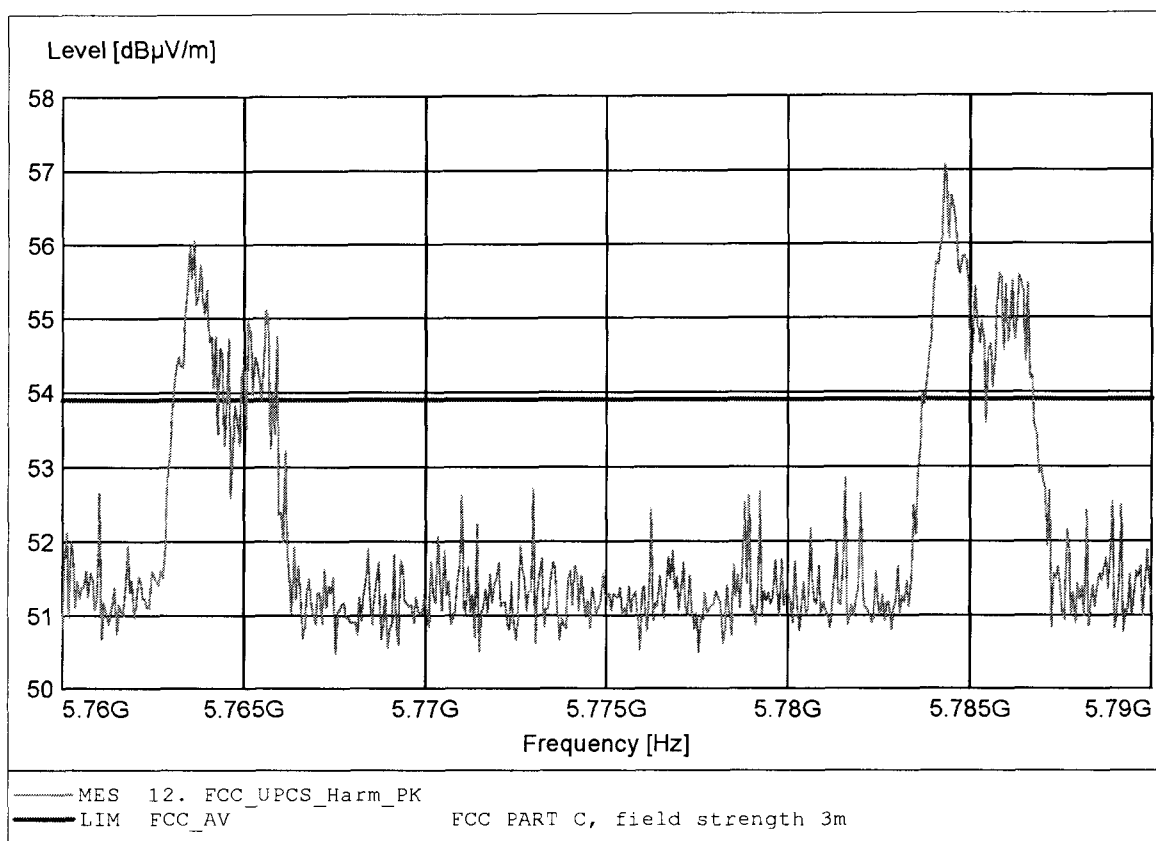
Approval Holder: Uniden America Corporation
EUT : DECT 6.0, HANDSET
Model: DCX100 / AMWUU499 / 1921.536 MHz / 1928.448 MHz
Test Site / Operator: ETS / Mr. Handrik
Test Conditions: 23°C / Unom: 2.4 V DC (rechargeable battery)
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025, HP+ampl.
Comment 2: Freq:5.784GHz Pmax:57.35dBuV/m RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15

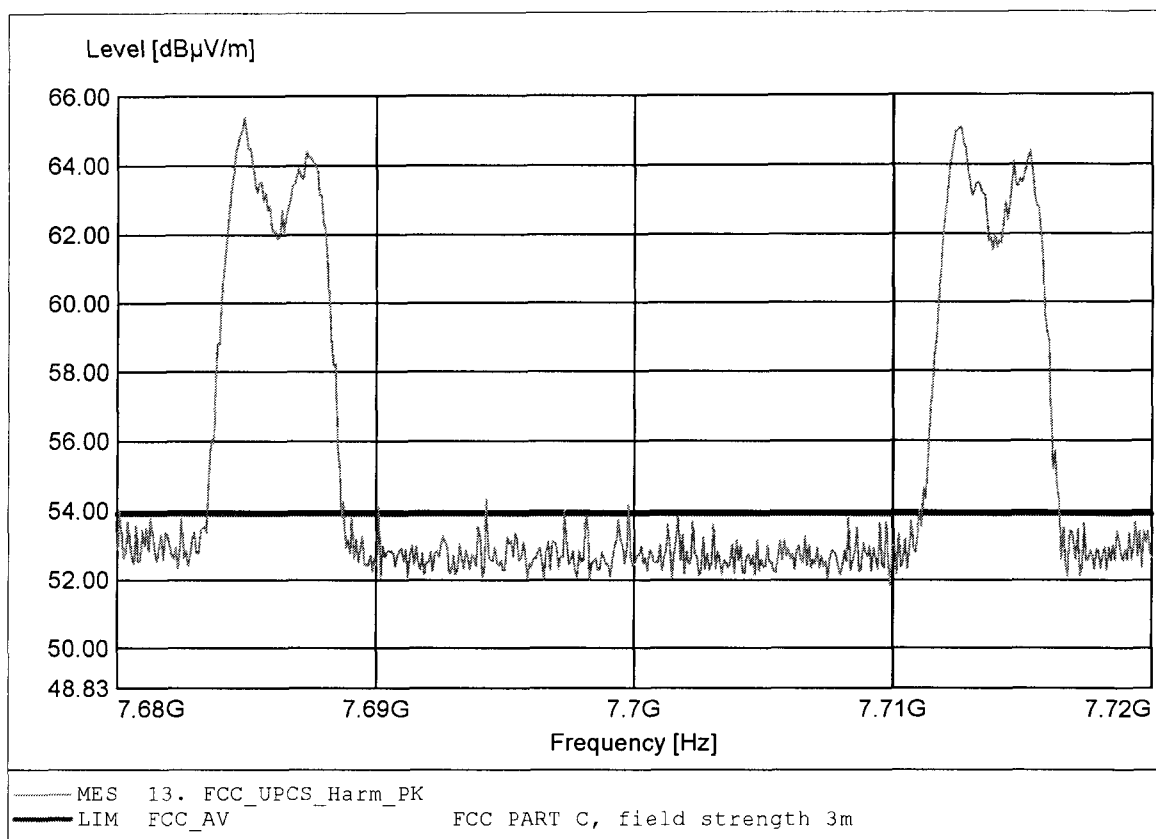
Approval Holder: Uniden America Corporation
EUT : DECT 6.0, HANDSET
Model: DCX100 / AMWUU499 / 1921.536 MHz / 1928.448 MHz
Test Site / Operator: ETS / Mr. Handrik
Test Conditions: 23°C / Unom: 2.4 V DC (rechargeable battery)
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025, HP+ampl.
Comment 2: Freq:5.784GHz Pmax:57.07dBμV/m RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15

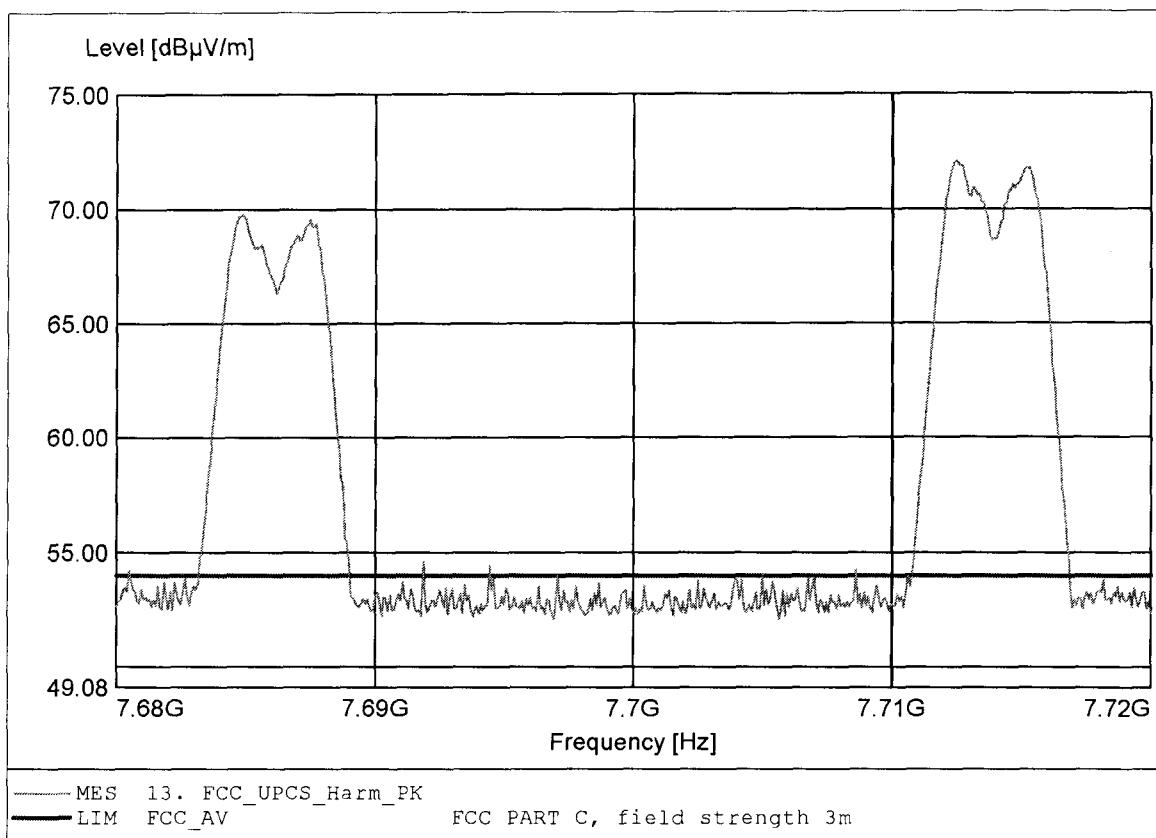
Approval Holder: Uniden America Corporation
EUT : DECT 6.0, HANDSET
Model: DCX100 / AMWUU499 / 1921.536 MHz / 1928.448 MHz
Test Site / Operator: ETS / Mr. Handrik
Test Conditions: 23°C / Unom: 2.4 V DC (rechargeable battery)
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025, HP+ampl.
Comment 2: Freq: 7.685GHz Pmax: 65.40dBμV/m RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15

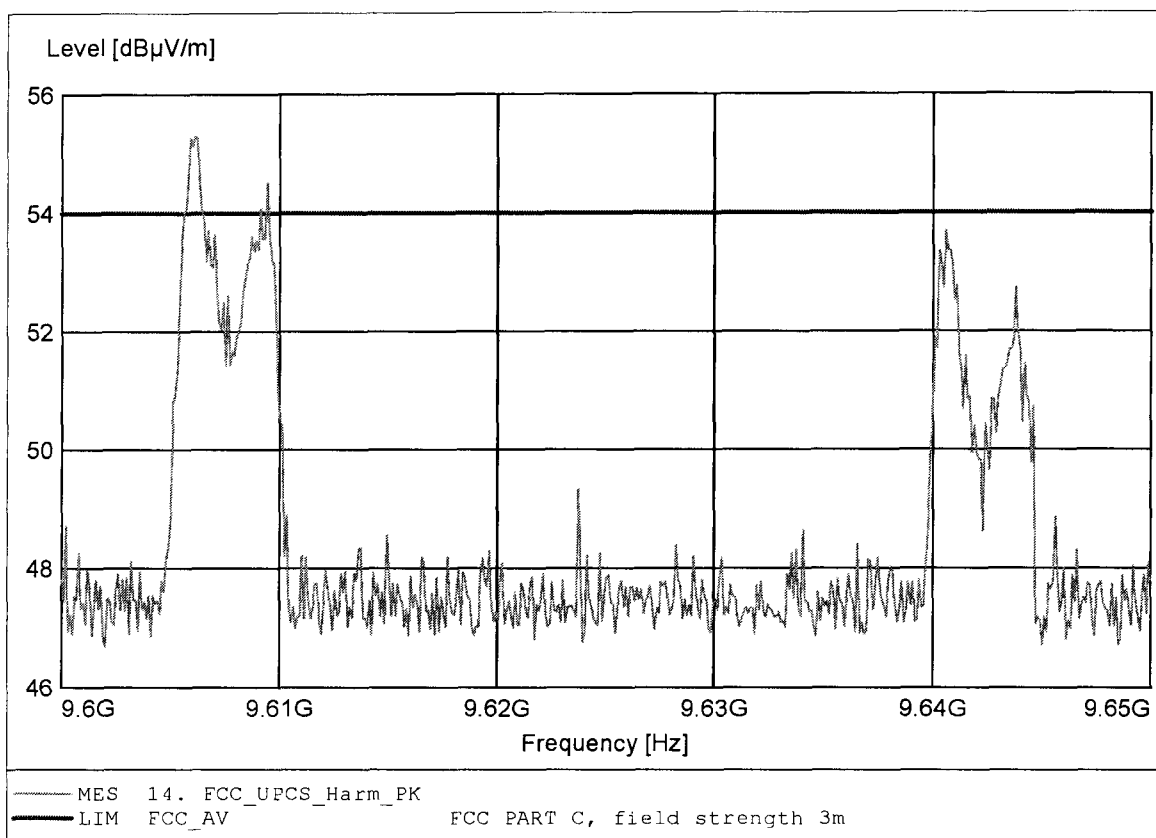
Approval Holder: Uniden America Corporation
EUT : DECT 6.0, HANDSET
Model: DCX100 / AMWUU499 / 1921.536 MHz / 1928.448 MHz
Test Site / Operator: ETS / Mr. Handrik
Test Conditions: 23°C / Unom: 2.4 V DC
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025, HP+ampl.
Comment 2: Freq:7.712GHz Pmax:72.08dBμV/m RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15

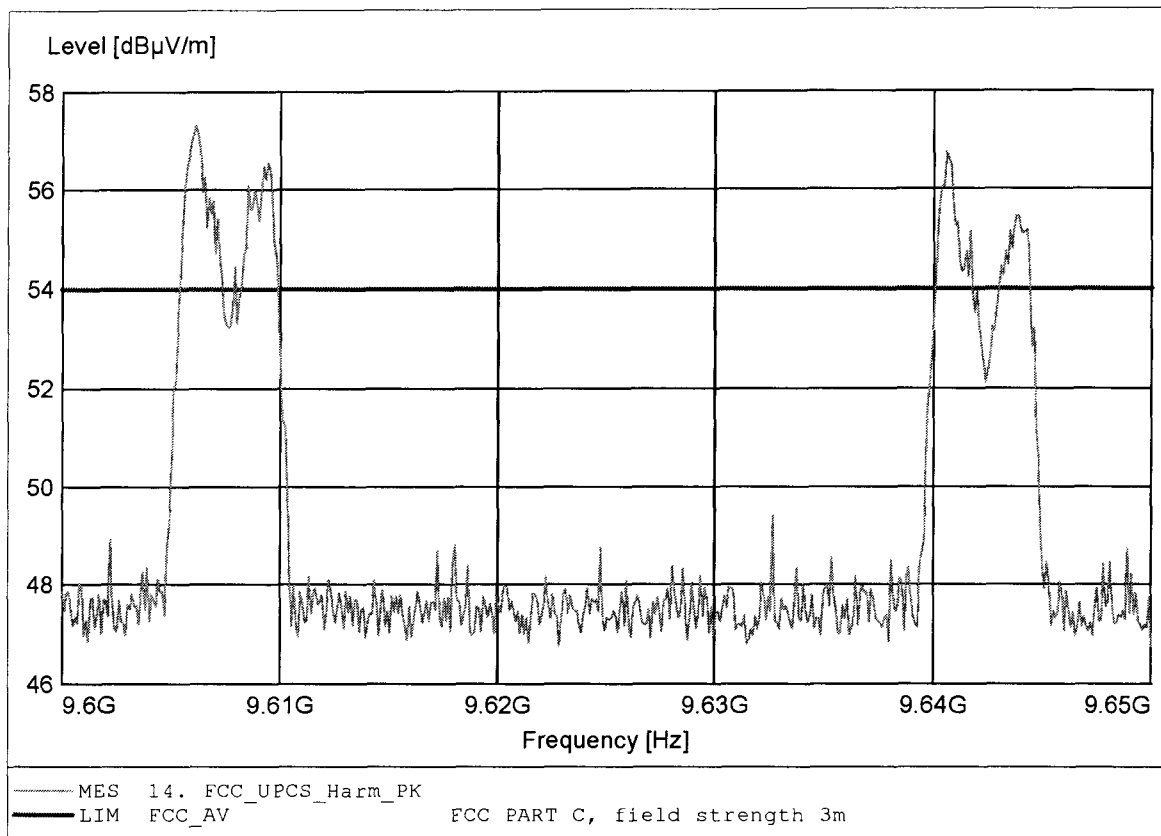
Approval Holder: Uniden America Corporation
EUT : DECT 6.0, HANDSET
Model: DCX100 / AMWUU499 / 1921.536 MHz / 1928.448 MHz
Test Site / Operator: ETS / Mr. Handrik
Test Conditions: 23°C / Unom: 2.4 V DC
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025, HP+ampl.
Comment 2: Freq:9.606GHz Pmax:55.29dBuV/m RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15

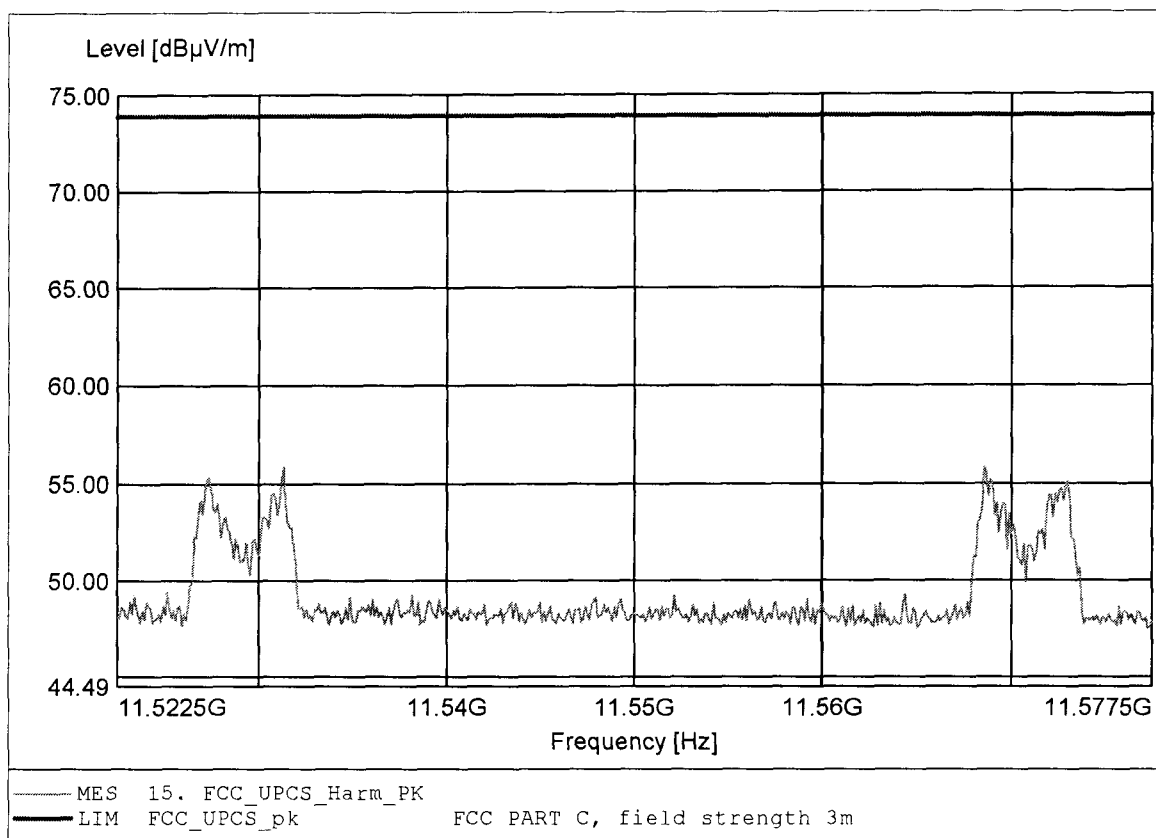
Approval Holder: Uniden America Corporation
EUT : DECT 6.0, HANDSET
Model: DCX100 / AMWUU499 / 1921.536 MHz / 1928.448 MHz
Test Site / Operator: ETS / Mr. Handrik
Test Conditions: 23°C / Unom: 2.4 V DC
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025, HP+ampl.
Comment 2: Freq:9.606GHz Pmax:57.31dBμV/m RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15

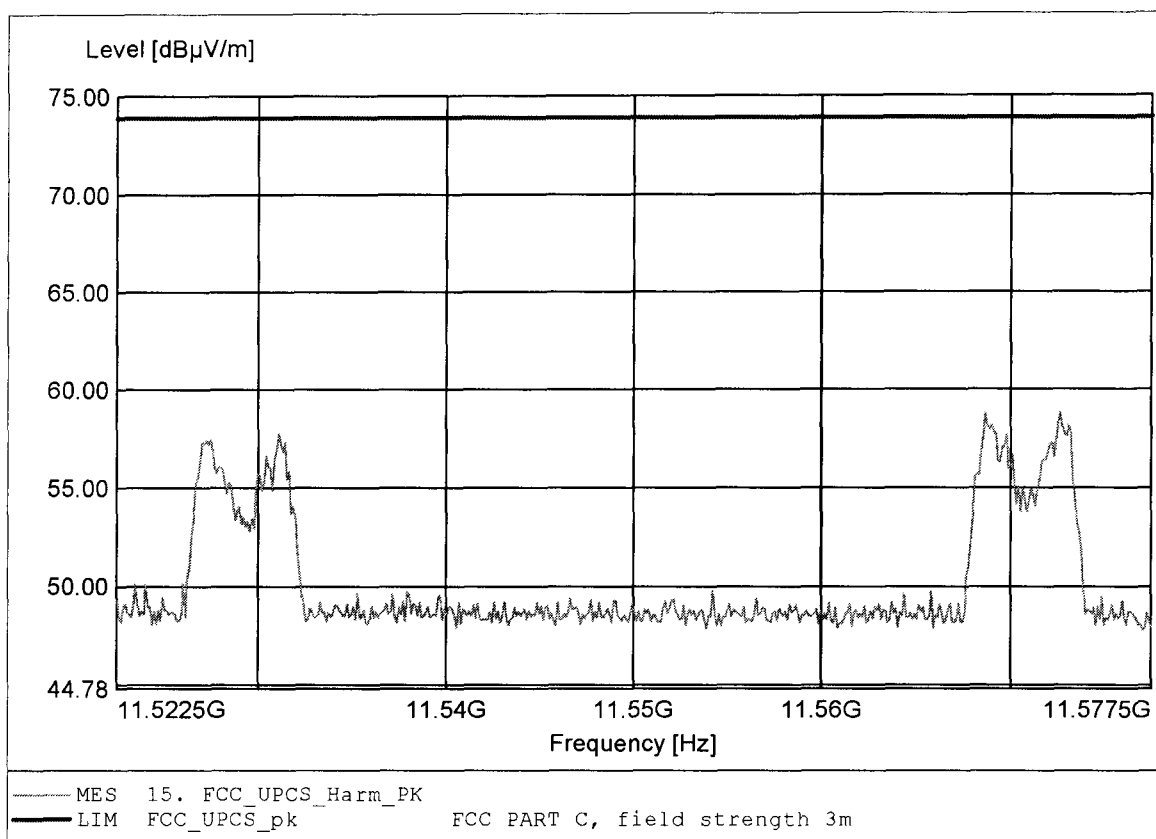
Approval Holder: Uniden America Corporation
EUT : Cordless telephones with analogue lineinterface for PSTN
Model: DCX100 / AMWJU499 / Ant.: 0 / Ch.: 0/4
Test Site / Operator: ETS / Mr. Marquardt
Test Conditions: 23°C / Unom: 2.4 VDC
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025, HP+ampl.
Comment 2: Freq:11.531GHz Emax:55.89dBμV/m RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15

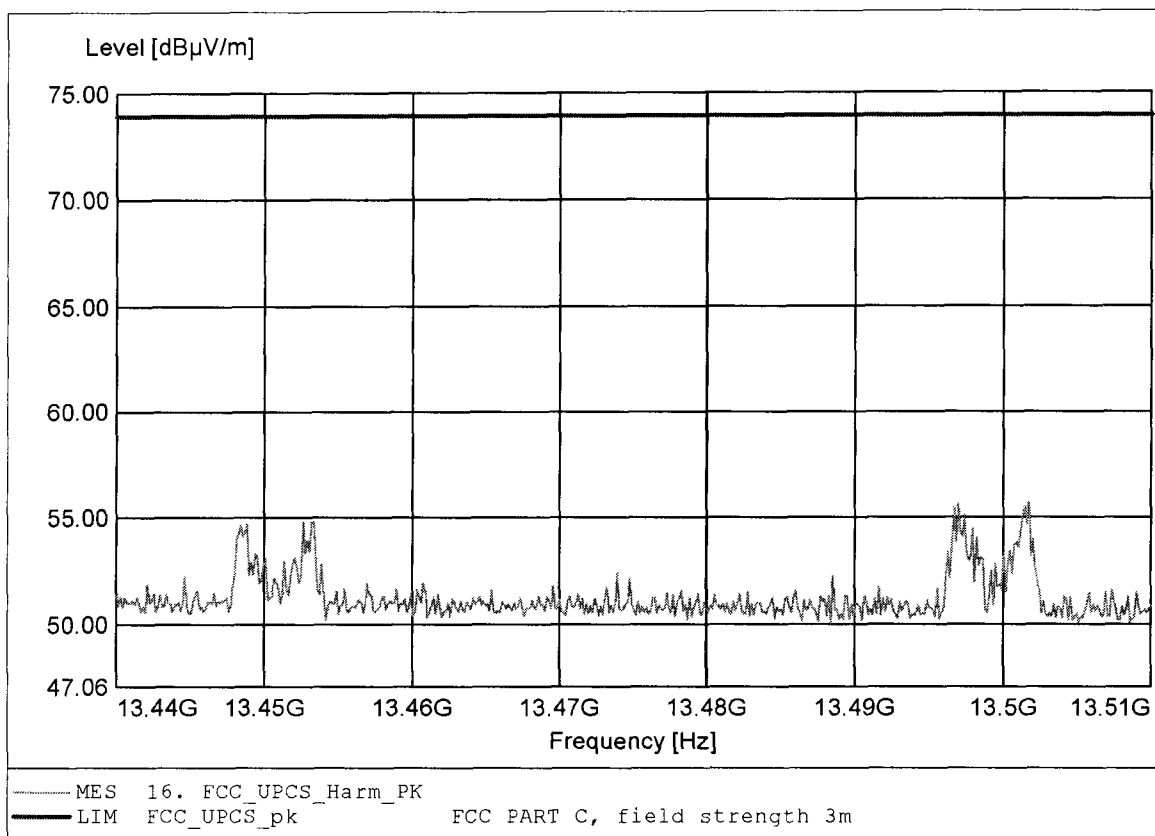
Approval Holder: Uniden America Corporation
EUT : Cordless telephones with analogue lineinterface for PSTN
Model: DCX100 / AMWUU499 / Ant.: 0 / Ch.: 0/4
Test Site / Operator: ETS / Mr. Marquardt
Test Conditions: 23°C / Unom: 2.4 VDC
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025, HP+ampl.
Comment 2: Freq:11.573GHz Emax:58.82dBμV/m RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15

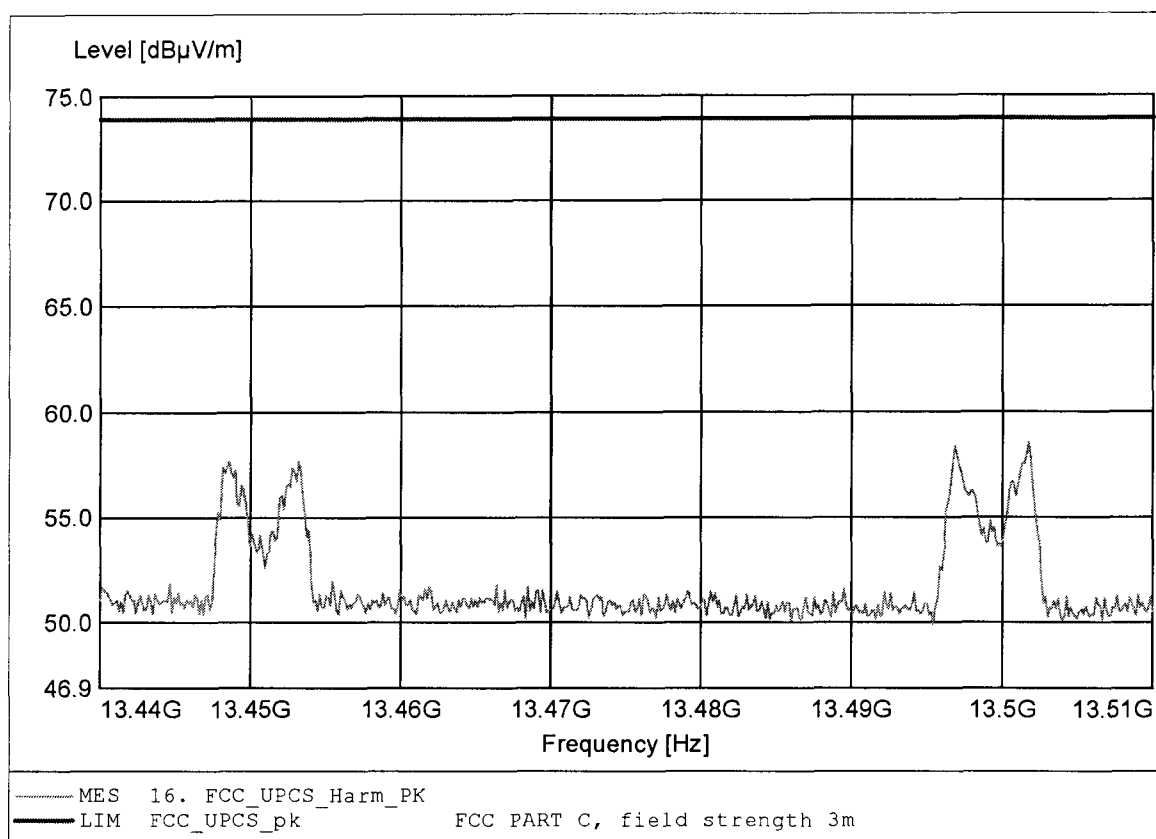
Approval Holder: Uniden America Corporation
EUT : Cordless telephones with analogue lineinterface for PSTN
Model: DCX100 / AMWUU499 / Ant.: 0 / Ch.: 0/4
Test Site / Operator: ETS / Mr. Marquardt
Test Conditions: 23°C / Unom: 2.4 VDC
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025, HP+ampl.
Comment 2: Freq:13.502GHz Emax:55.72dBμV/m RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15

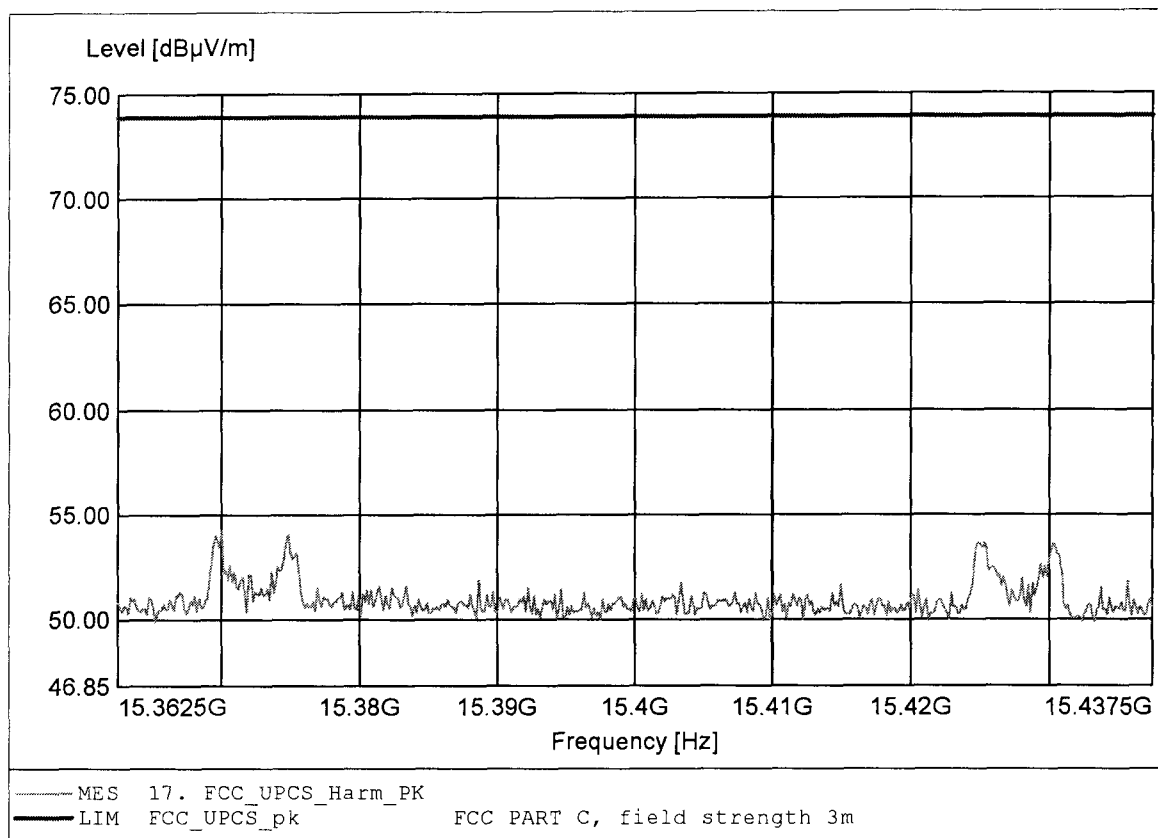
Approval Holder: Uniden America Corporation
EUT : Cordless telephones with analogue lineinterface for PSTN
Model: DCX100 / AMWJU499 / Ant.: 0 / Ch.: 0/4
Test Site / Operator: ETS / Mr. Marquardt
Test Conditions: 23°C / Unom: 2.4 VDC
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025, HP+ampl.
Comment 2: Freq:13.502GHz Emax:58.53dBμV/m RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15

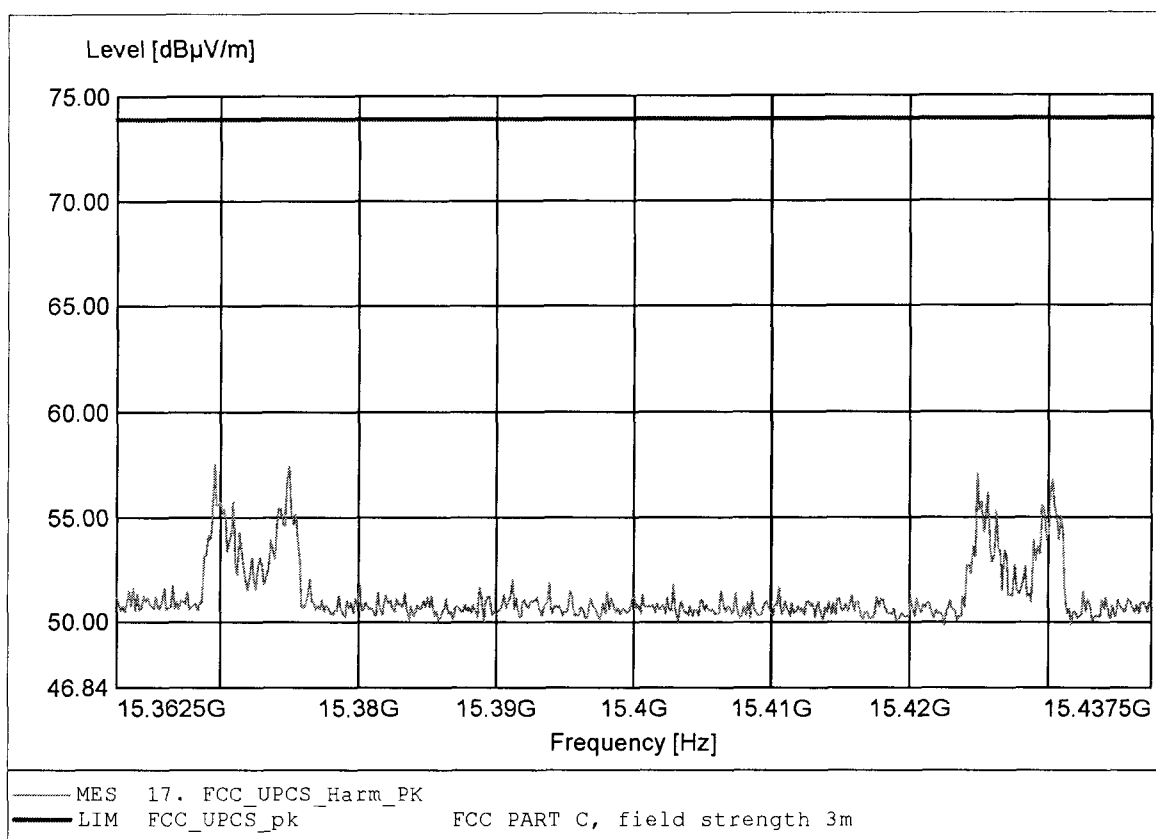
Approval Holder: Uniden America Corporation
EUT : Cordless telephones with analogue lineinterface for PSTN
Model: DCX100 / AMWUU499 / Ant.: 0 / Ch.: 0/4
Test Site / Operator: ETS / Mr. Marquardt
Test Conditions: 23°C / Unom: 2.4 VDC
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025, HP+ampl.
Comment 2: Freq:15.370GHz Emax:54.29dBμV/m RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15

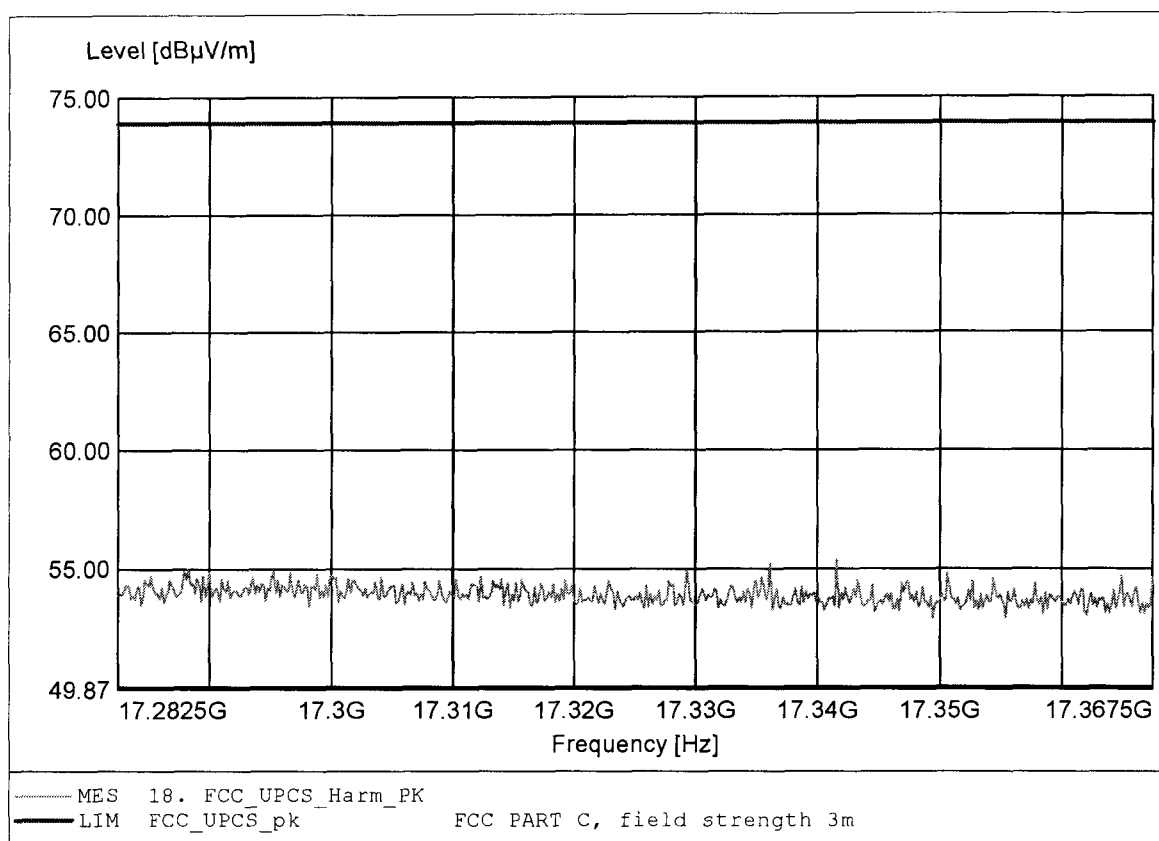
Approval Holder: Uniden America Corporation
EUT : Cordless telephones with analogue lineinterface for PSTN
Model: DCX100 / AMWUU499 / Ant.: 0 / Ch.: 0/4
Test Site / Operator: ETS / Mr. Marquardt
Test Conditions: 23°C / Unom: 2.4 VDC
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025, HP+ampl.
Comment 2: Freq:15.370GHz Emax:57.55dBµV/m RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15

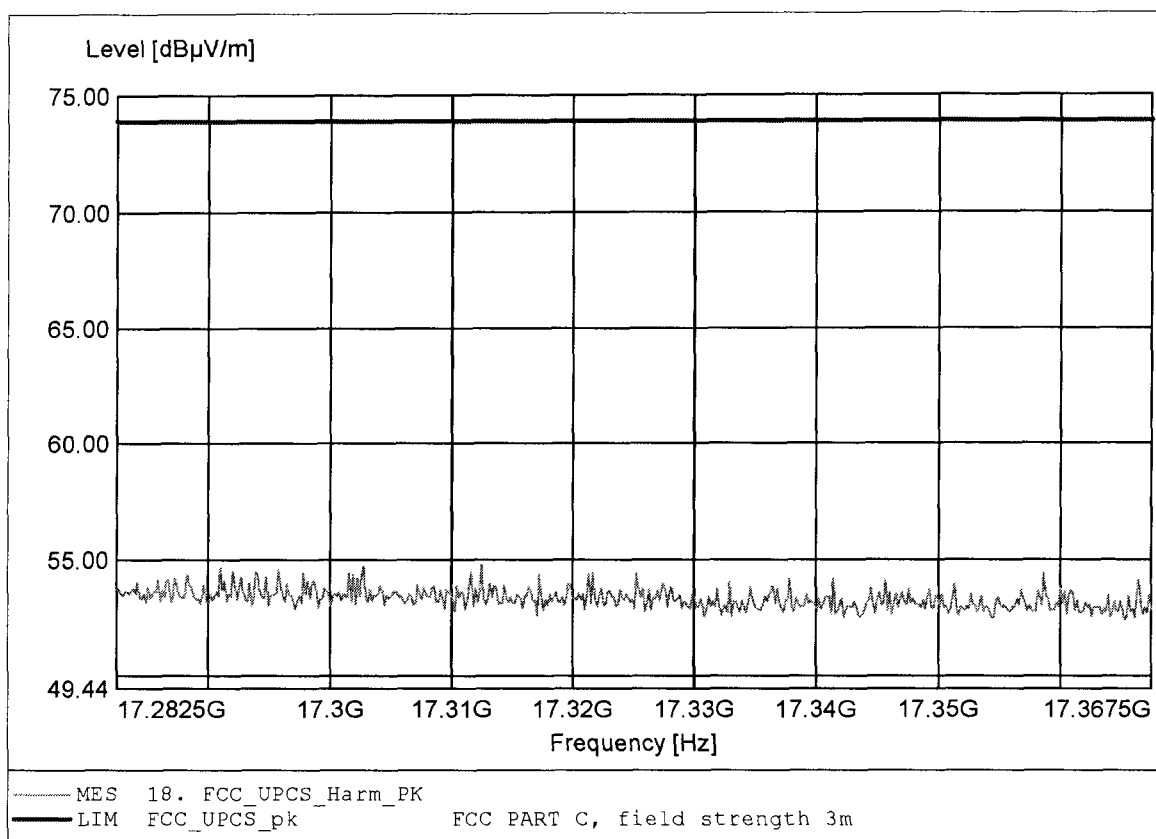
Approval Holder: Uniden America Corporation
EUT : Cordless telephones with analogue lineinterface for PSTN
Model: DCX100 / AMWUU499 / Ant.: 0 / Ch.: 0/4
Test Site / Operator: ETS / Mr. Marquardt
Test Conditions: 23°C / Unom: 2.4 VDC
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025, HP+ampl.
Comment 2: Freq:17.342GHz Emax:55.35dBμV/m RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15

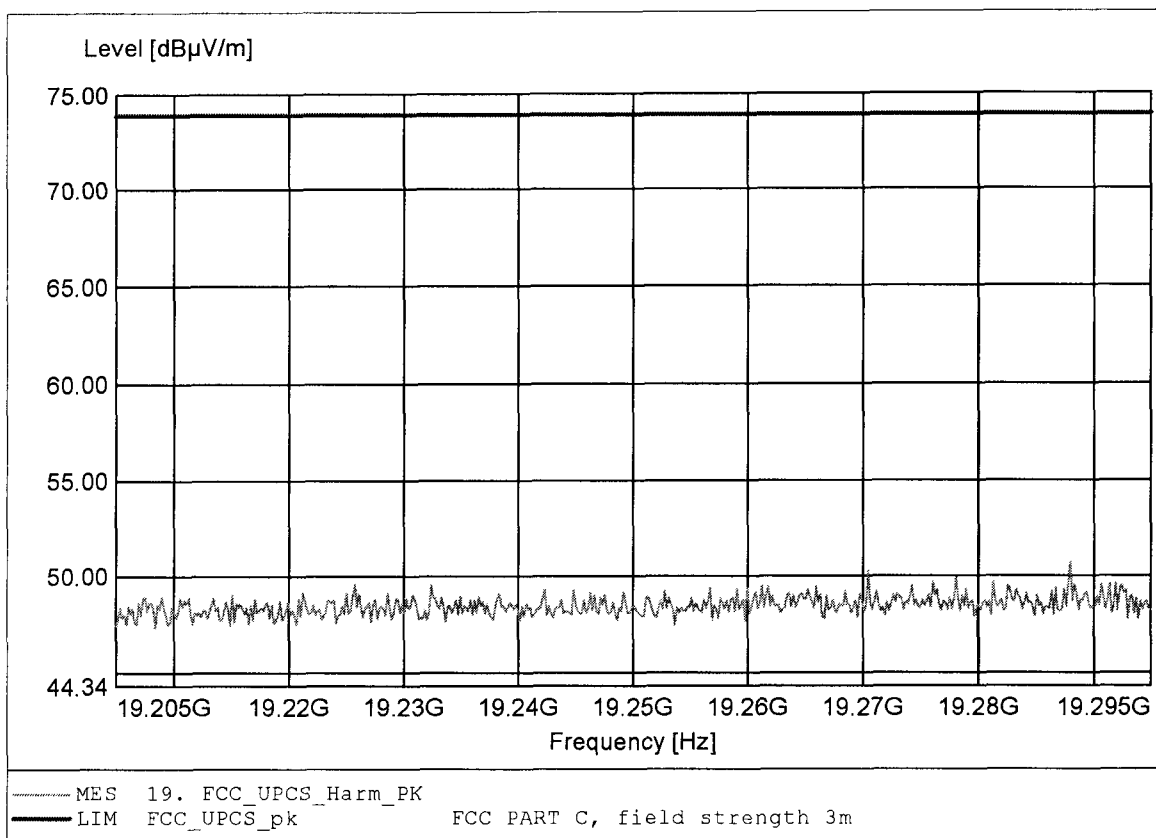
Approval Holder: Uniden America Corporation
EUT : Cordless telephones with analogue lineinterface for PSTN
Model: DCX100 / AMWUU499 / Ant.: 0 / Ch.: 0/4
Test Site / Operator: ETS / Mr. Marquardt
Test Conditions: 23°C / Unom: 2.4 VDC
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025, HP+ampl.
Comment 2: Freq:17.312GHz Emax:54.78dBμV/m RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15

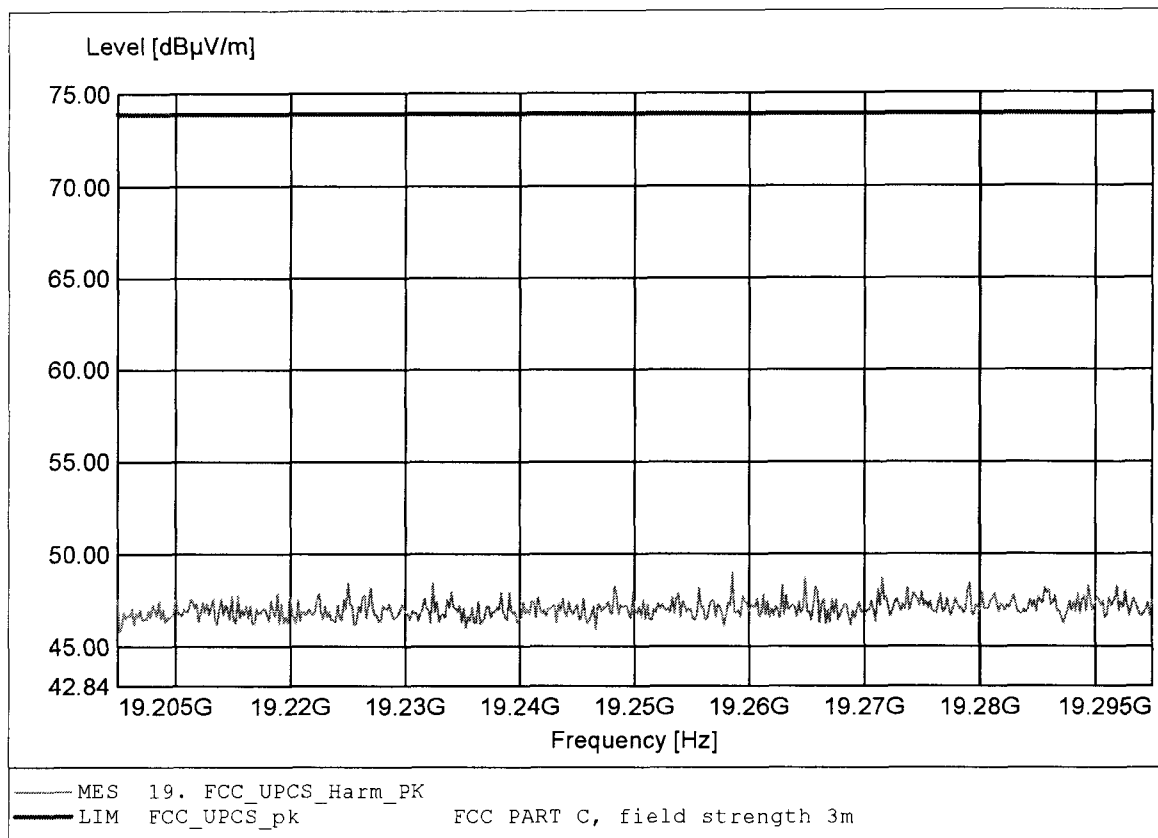
Approval Holder: Uniden America Corporation
EUT : Cordless telephones with analogue lineinterface for PSTN
Model: DCX100 / AMWUU499 / Ant.: 0 / Ch.: 0/4
Test Site / Operator: ETS / Mr. Marquardt
Test Conditions: 23°C / Unom: 2.4 VDC
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025, HP+ampl.
Comment 2: Freq:19.288GHz Emax:50.73dBμV/m RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15

Approval Holder: Uniden America Corporation
EUT : Cordless telephones with analogue lineinterface for PSTN
Model: DCX100 / AMWUU499 / Ant.: 0 / Ch.: 0/4
Test Site / Operator: ETS / Mr. Marquardt
Test Conditions: 23°C / Unom: 2.4 VDC
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025, HP+ampl.
Comment 2: Freq:19.259GHz Emax:49.01dBµV/m RBW: 1 MHz



Appendix S

Frame period

FCC Part 15.323(e.1) Frame repetition

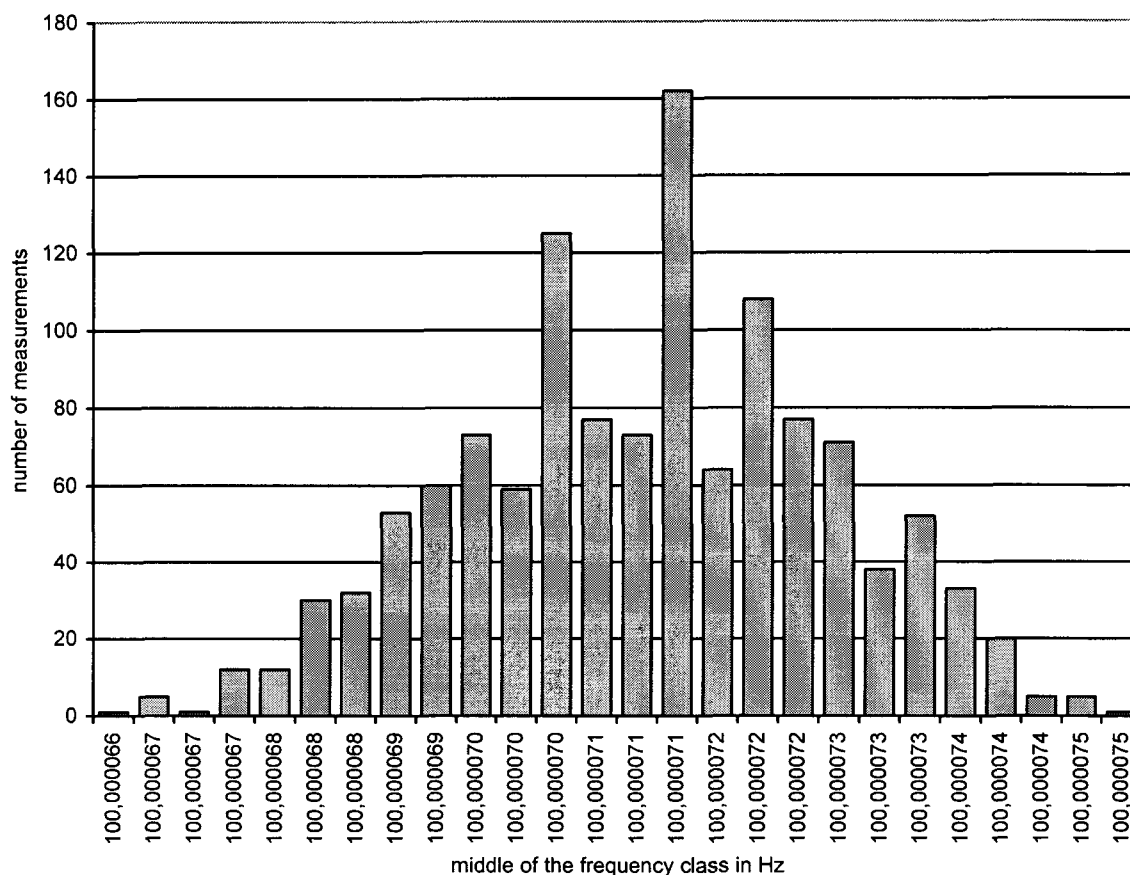
Testprocedure ANSI 63.17-1998 6.2.2

UCPS

EUT	DECT 6.0, Handset
Model	DCX100 / AMWUU499
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.2.2 Frame repetition

Width of the frequency class	0,000000 Hz
Mean	100,000071 Hz
Deviation	0,000002
Stability in ppm	0,047027 ppm
Test result	Verdict = PASS

Histogram



Measurement diagram

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

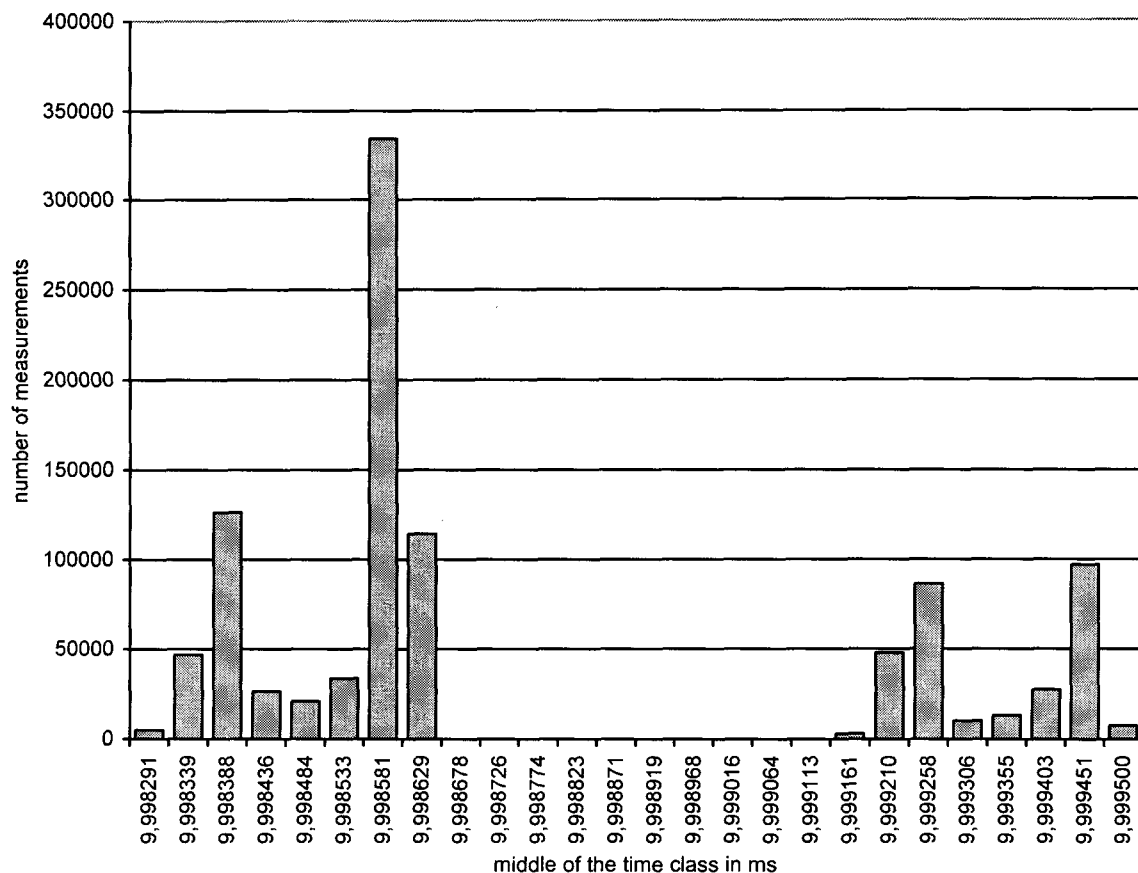
Testprocedure ANSI 63.17-1998 6.2.3

UCPS

EUT	DECT 6.0, Handset
Model	DCX100 / AMWUU499
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.2.3 Frame Period and jitter

Width of the time class	0,048354 μ s
Mean	9,998764 ms
Deviation	0,000383
Max-Min	1,208857 μ s
Test result	Verdict = PASS

Histogram



Measurement diagram

Appendix T

Frequency stability

FCC Part 15.323(f) Frequency Stability

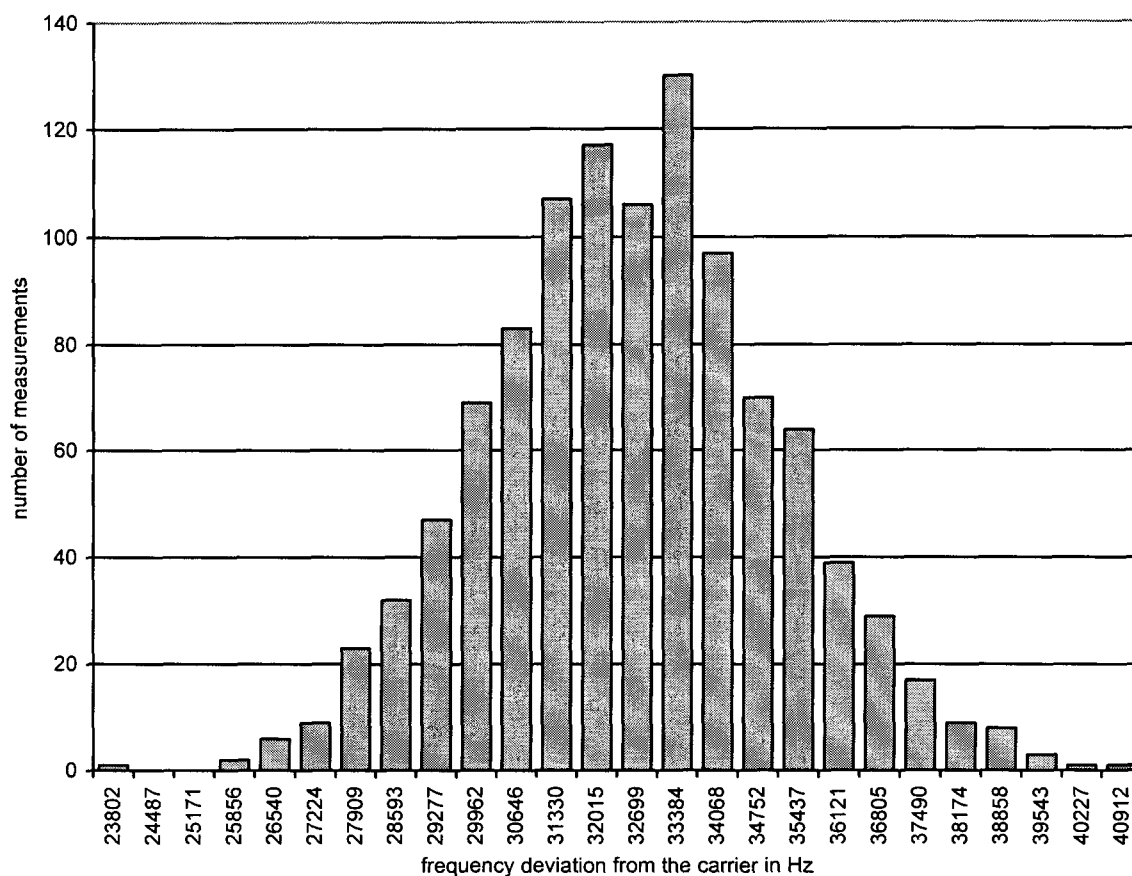
Testprocedure ANSI 63.17-1998 6.2.1

EUT	DECT 6.0, Handset
Model	DCX100 / AMWUU499
Applicant	Uniden America Corporation
Temperature	25 °C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.2.1 Frequency stability

Power supply	Vnom
Frequency of carrier	1925,024617 MHz
Measured mean	1925,024617 MHz
Deviation	reference

Stability over time	4,58 ppm
Result	Verdict = PASS

Histogram



Measurement diagram

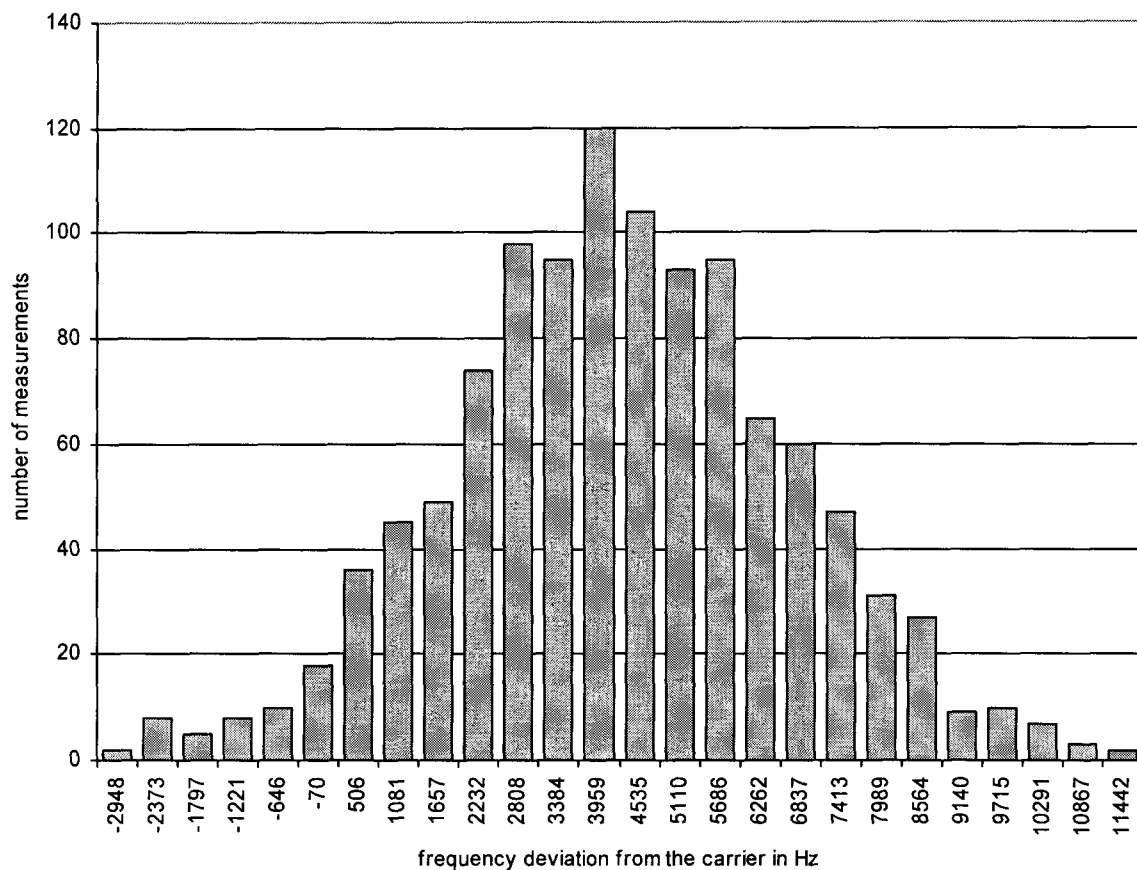
FCC Part 15.323(f) Frequency Stability

Testprocedure ANSI 63.17-1998 6.2.1

EUT	DECT 6.0, Handset
Model	DCX100 / AMWUU499
Applicant	Uniden America Corporation
Temperature	10 °C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.2.1 Frequency stability

Power supply	Vnom
Frequency of carrier	1925,024617 MHz
Measured mean	1925,028877 MHz
Deviation	2,21 ppm
Result	Verdict = PASS
Stability over time	3,75 ppm
Result	Verdict = PASS

Histogram



Measurement diagram

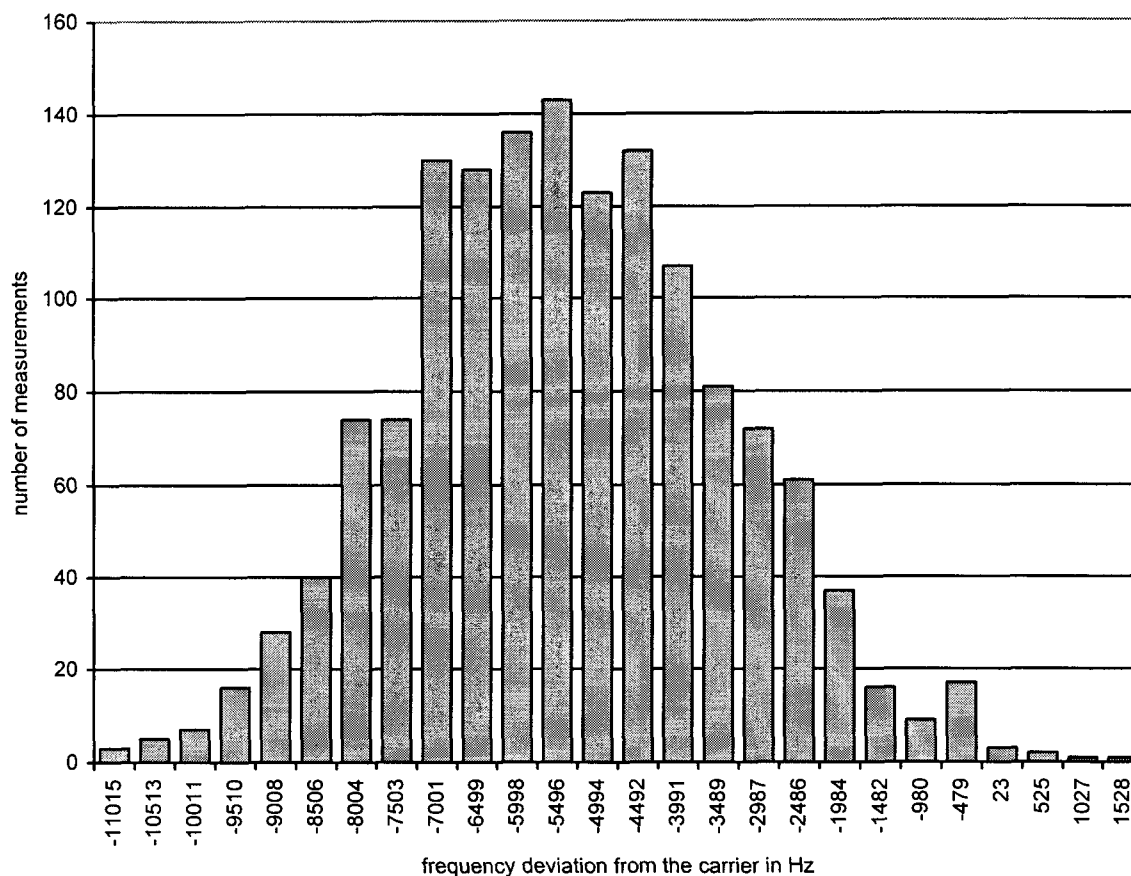
FCC Part 15.323(f) Frequency Stability

Testprocedure ANSI 63.17-1998 6.2.1

EUT	DECT 6.0, Handset
Model	DCX100 / AMWUU499
Applicant	Uniden America Corporation
Temperature	40 °C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.2.1 Frequency stability

Power supply	Vnom
Frequency of carrier	1925,024617 MHz
Measured mean	1925,019229 MHz
Deviation	-2,80 ppm
Result	Verdict = PASS
Stability over time	3,5 ppm
Result	Verdict = PASS

Histogram



Measurement diagram

Appendix U

Receiver spurious emissions