

Appendix B

Coordination with fixed microwave service

UTAM, Inc.

Affidavit of Participation

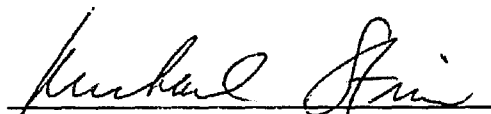
FCC Section 15.307(b) Affidavit

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

Uniden

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 29th day of March, 2006



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

Affidavit #: UNDN032906

Appendix C

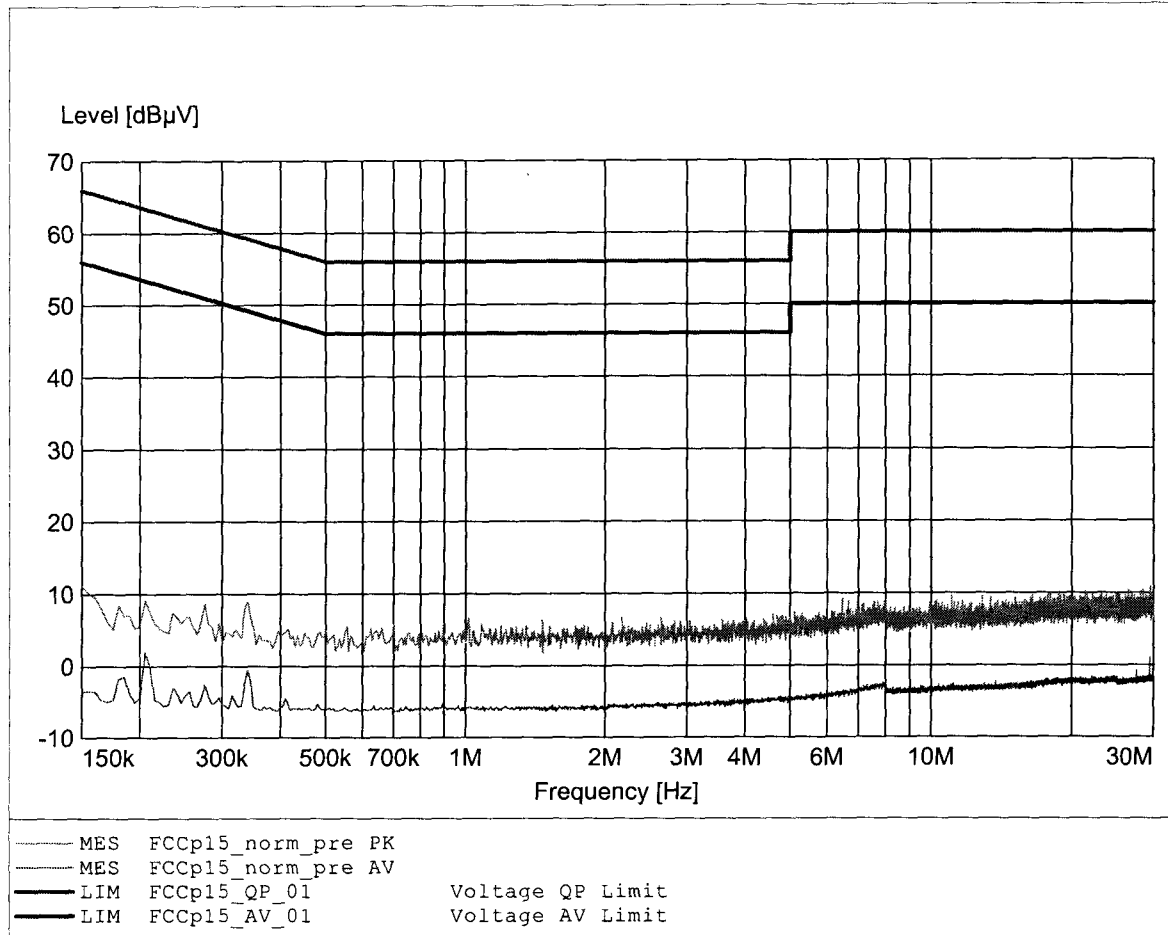
Reference to Subpart B

Appendix D

Conducted limits AC Power line

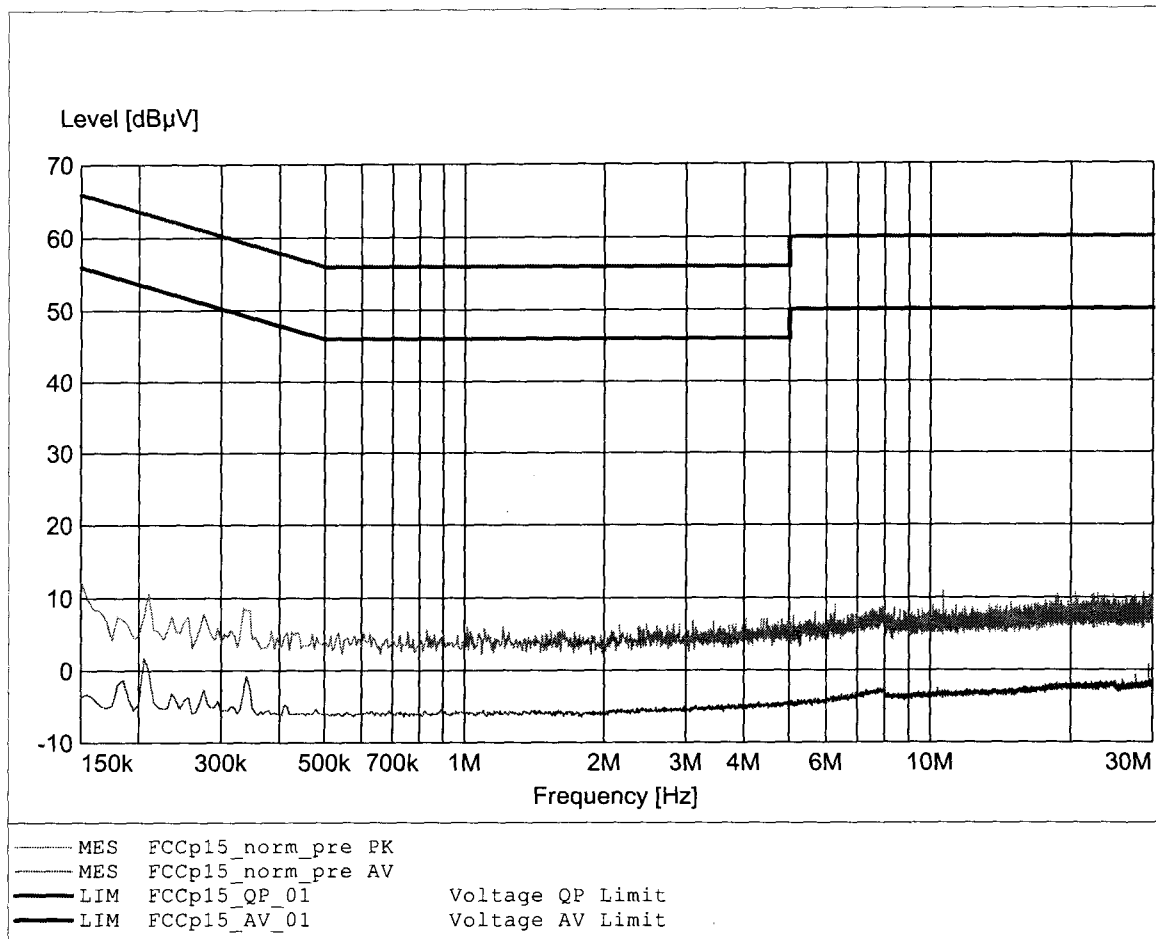
EMI voltage test in the ac-mains according to FCC part 15

EUT: DECT 6.0, Handset
Manufacturer: Uniden America Corporation
Operating Condition: Unom: 120 V AC (AC/DC adaptor), Tnom: 23°C
Test Site: ETS
Operator: Mr. Pflug
Test Specification: V-Network: ESH2-Z5 (L1)
Comment: model: DCX100 / AMWUU499 mode: charging
adaptor: U060040D



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

EUT: DECT 6.0, Handset
Manufacturer: Uniden America Corporation
Operating Condition: Unom: 120 V AC (AC/DC adaptor), Tnom: 23°C
Test Site: ETS
Operator: Mr. Pflug
Test Specification: V-Network: ESH2-Z5 (N)
Comment: model: DCX100 / AMWUU499 mode: charging
adaptor: U060040D



Appendix E

Emission bandwidth

FCC Part 15.303(b) Emission bandwidth

Testprocedure ANSI 63.17-1998 6.1.3 UPCS

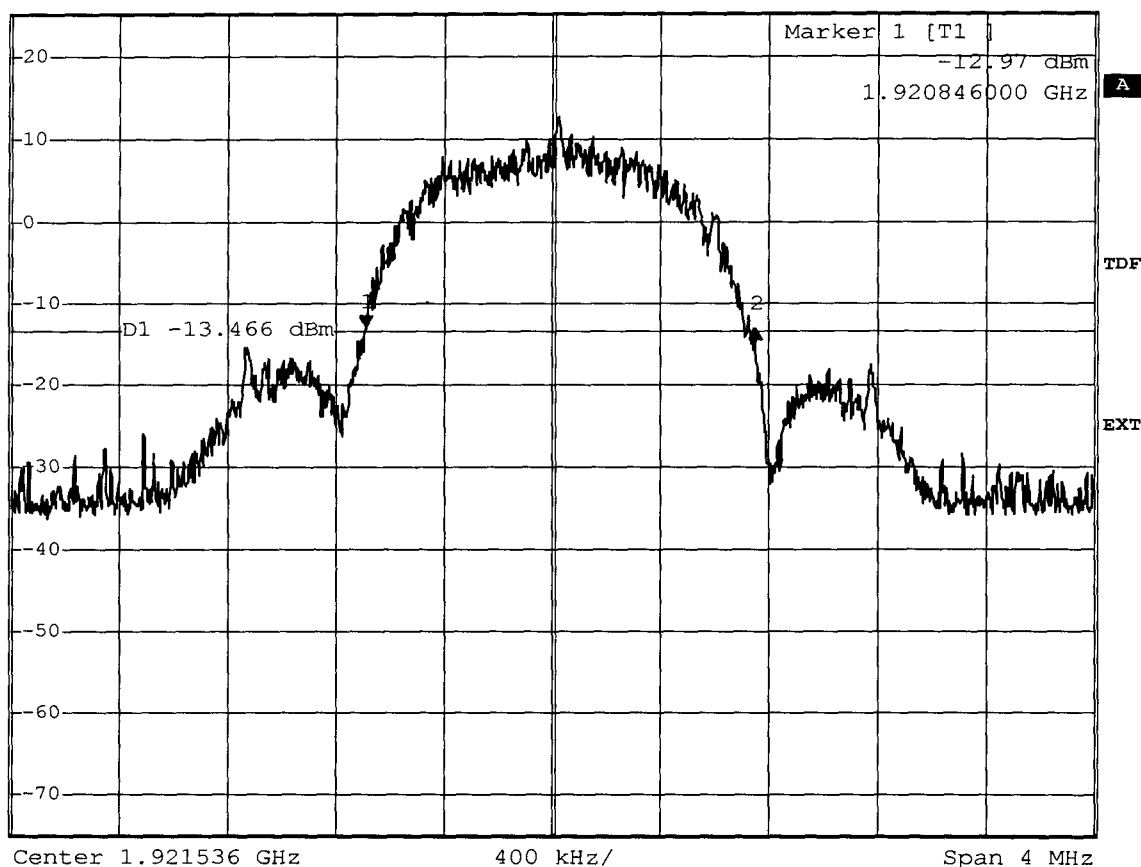
EUT	DECT 6.0, Handset
Model	DCX100 / AMWUU499
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.3 Emission bandwidth
Measured Bandwidth	Emission Bandwidth = 1.44MHz
Max. Permitted Power	Limit = 2.5 MHz
Test result	Verdict = PASS



Emission Bandwidth

*RBW 10 kHz Delta 2 [T1]
 *VBW 30 kHz -0.15 dB
 Ref 25 dBm *Att 50 dB SWT 40 ms 1.440000000 MHz

1 PK
MAXH



Comment: Ansi C63.17-1998 6.1.3
 Date: 19.APR.2006 08:51:24

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 : 1921.128MHz
Higher frequency : 1921.932MHz

-12 dB points

Lower frequency : 1920.988MHz
Higher frequency : 1922.148MHz

FCC Part 15.303(b) Emission bandwidth

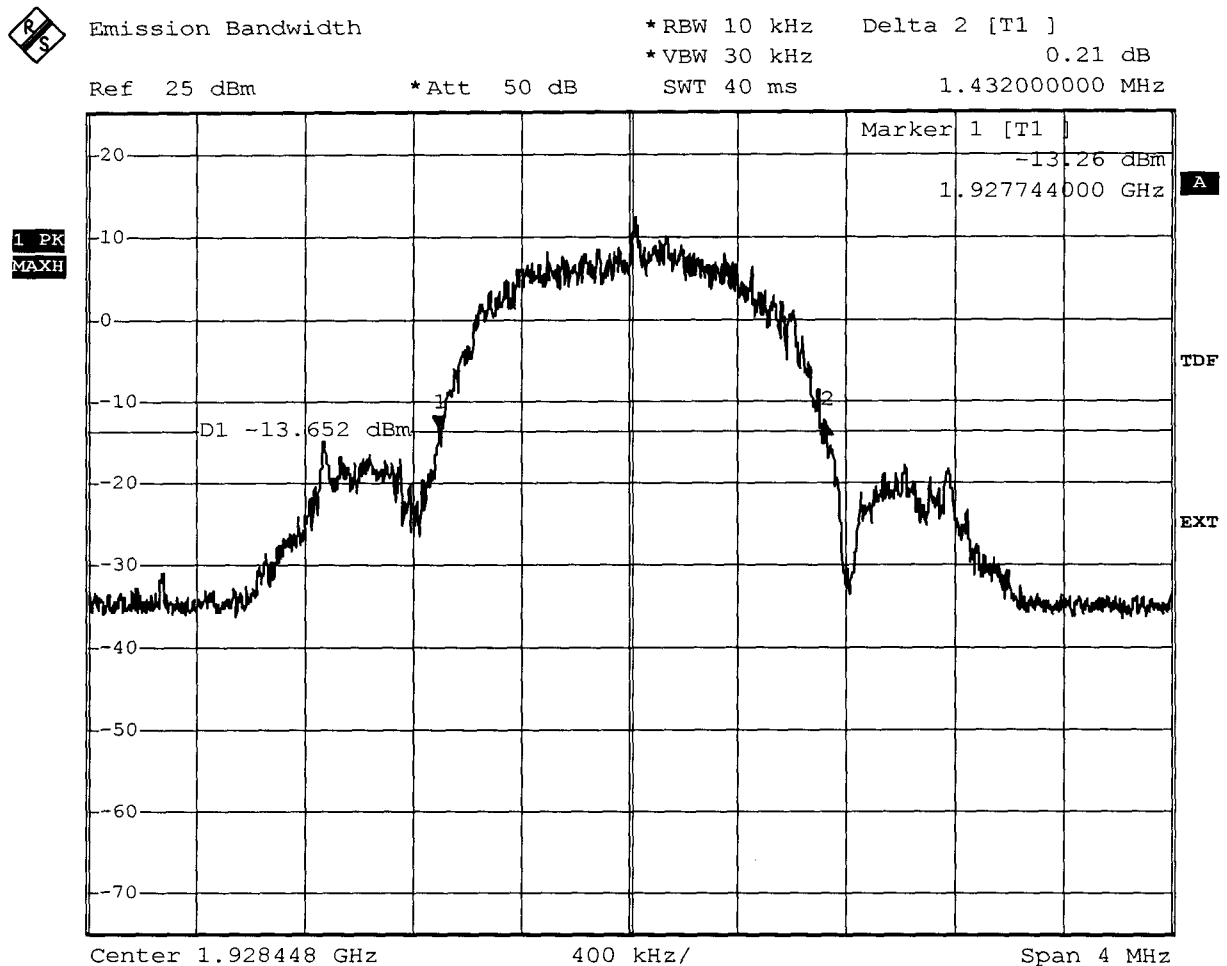
Testprocedure ANSI 63.17-1998 6.1.3

UPCS

EUT	DECT 6.0, Handset
Model	DCX100 / AMWUU499
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.3 Emission bandwidth

Measured Bandwidth	Emission Bandwidth = 1.432MHz
Max. Permitted Power	Limit = 2.5 MHz

Test result	Verdict = PASS
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Comment: Ansi C63.17-1998 6.1.3
Date: 19.APR.2006 08:54:37

Measurement diagram

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

-6 dB points

Lower frequency	: 1928.07MHz
Higher frequency	: 1928.846MHz

-12 dB points

Lower frequency	: 1927.88MHz
Higher frequency	: 1929.06MHz

Measurement diagram

Appendix F

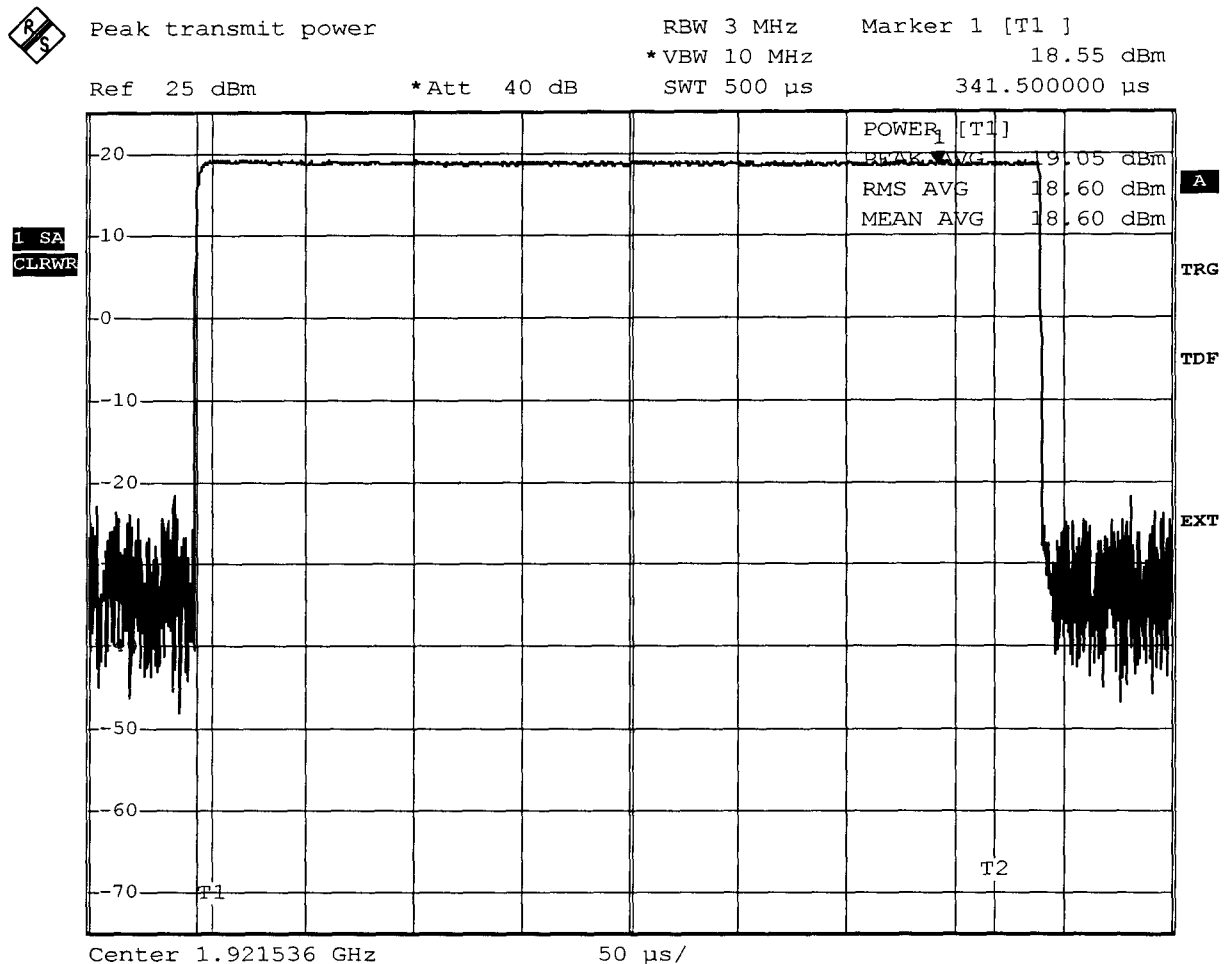
Peak Transmit Power

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2

UPCS

EUT	DECT 6.0, Handset
Model	DCX100 / AMWUU499
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vnom
Measured Bandwidth	1.44MHz
Max. Permitted Power	20,79 dBm
Measured Power	19,05 dBm
Test result	Verdict = PASS



Comment: Ansi C63.17-1998 6.1.2
Date: 19.APR.2006 08:57:58

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2

UPCS

EUT	DECT 6.0, Handset
Model	DCX100 / AMWUU499
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Vnom
Measured Bandwidth	1.44MHz
Max. Permitted Power	20,79 dBm
Measured Power	19,14 dBm
Test result	Verdict = PASS



Peak transmit power

RBW 3 MHz

Marker 1 [T1]

*VBW 10 MHz

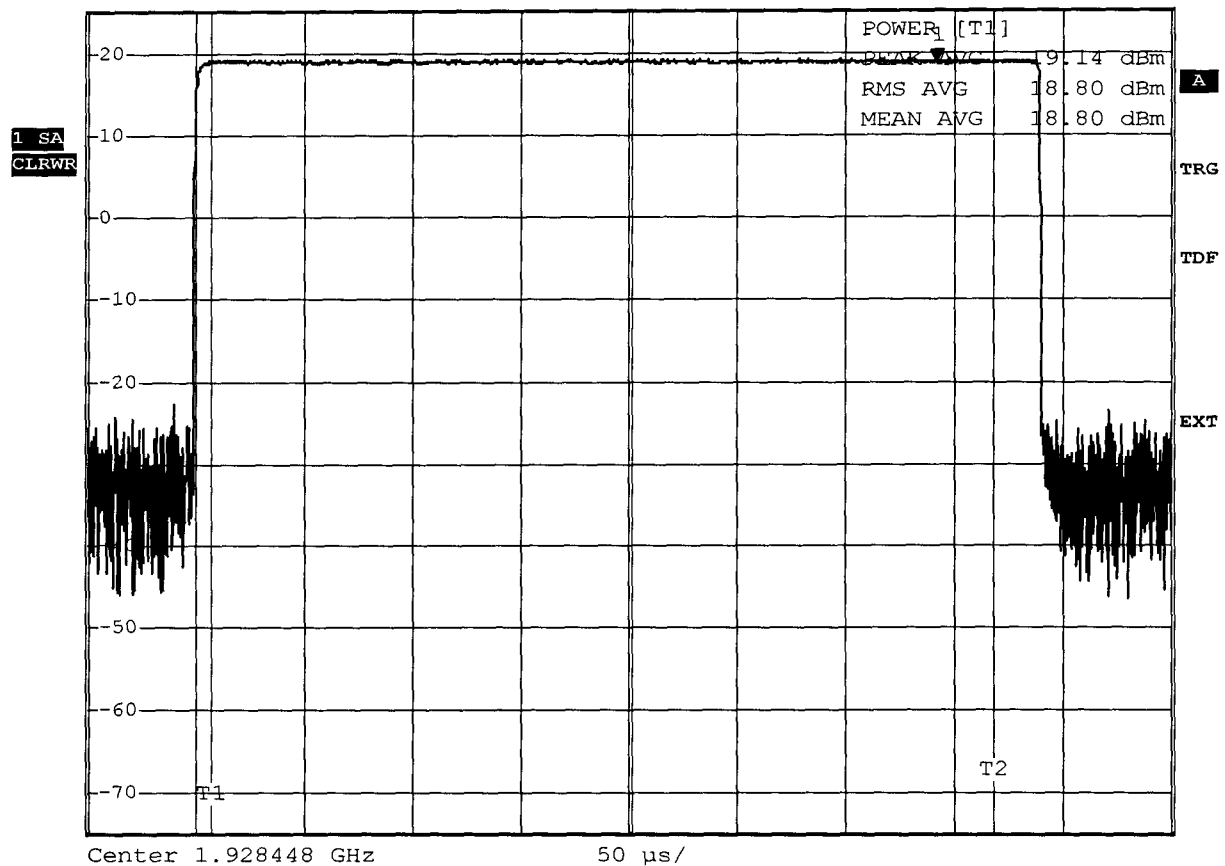
18.73 dBm

Ref 25 dBm

*Att 40 dB

SWT 500 µs

341.500000 µs



Comment: Ansi C63.17-1998 6.1.2

Date: 19.APR.2006 08:56:36

Measurement diagram

Appendix G

Power spectral density

FCC Part 15.319(d) Power spectral density

Testprocedure ANSI 63.17-1998 6.1.5 UPCS

EUT	DECT 6.0, Handset
Model	DCX100 / AMWUU499
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

Measured Maximum	-10.393 dBm
Value in mW	0.091mW
Maximal permitted	limit=3mW
Test result	Verdict = PASS



Power Spectral Densit

RBW 3 kHz

Marker 1 [T1]

*VBW 3 kHz

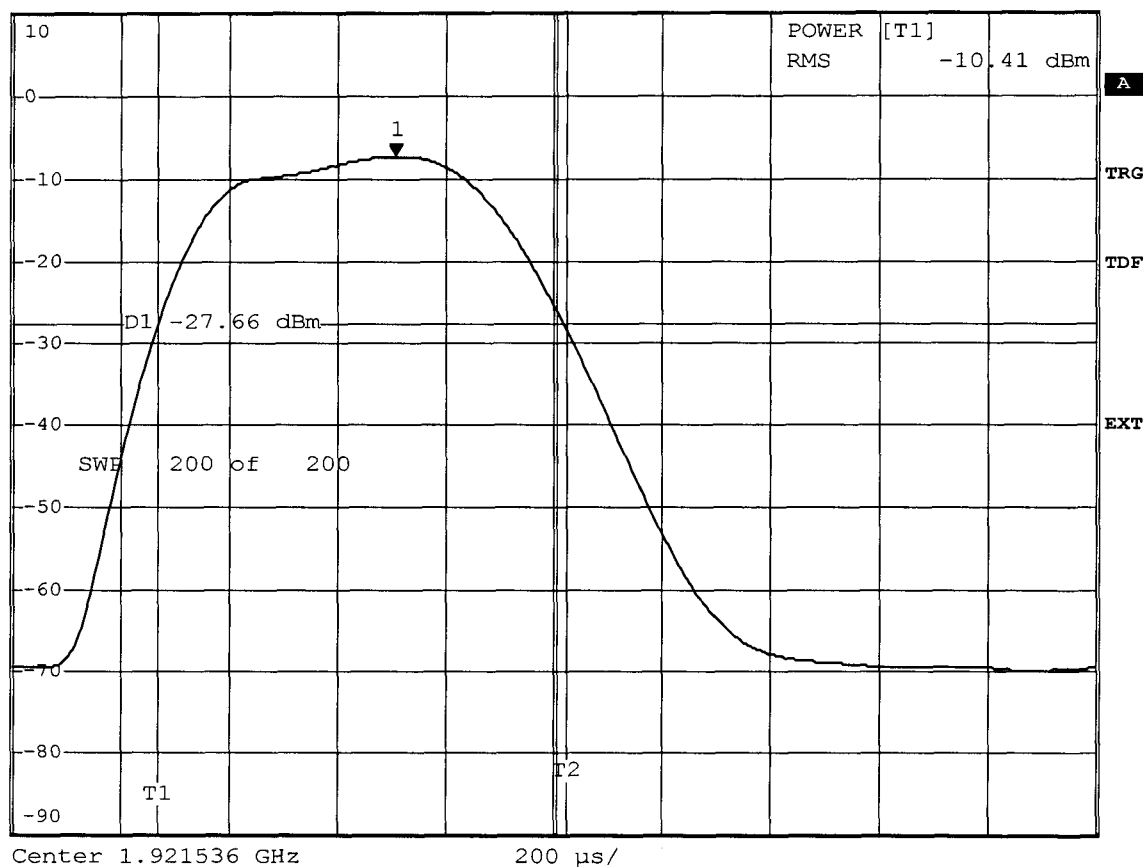
-7.32 dBm

Ref 10 dBm

*Att 30 dB

SWT 2 ms

458.000000 µs

1 SA
AVG

Comment: Ansi C63.17-1998 6.1.5

Date: 19.APR.2006 09:52:19

Measurement diagram

FCC Part 15.319(d) Power spectral density

Testprocedure ANSI 63.17-1998 6.1.5

UPCS

EUT	DECT 6.0, Handset
Model	DCX100 / AMWUU499
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

Measured Maximum	-10.546 dBm
Value in mW	0.088mW
Maximal permitted	limit=3mW
Test result	Verdict = PASS



Power Spectral Densit

RBW 3 kHz

Marker 1 [T1]

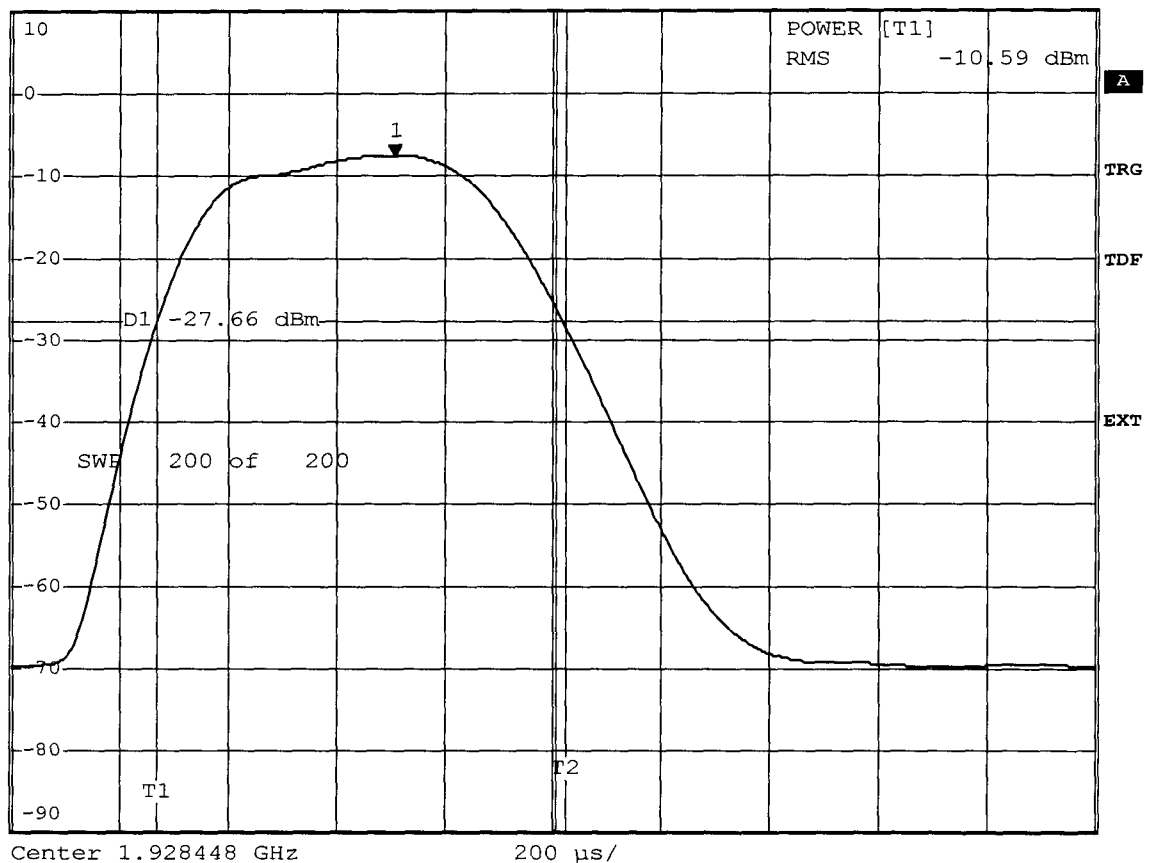
*VBW 3 kHz

-7.64 dBm

Ref 10 dBm

*Att 30 dB

SWT 2 ms

458.000000 μ s1 SA
AVG

Comment: Ansi C63.17-1998 6.1.5

Date: 19.APR.2006 09:54:54

Measurement diagram

Appendix H

Directional gain of the antenna

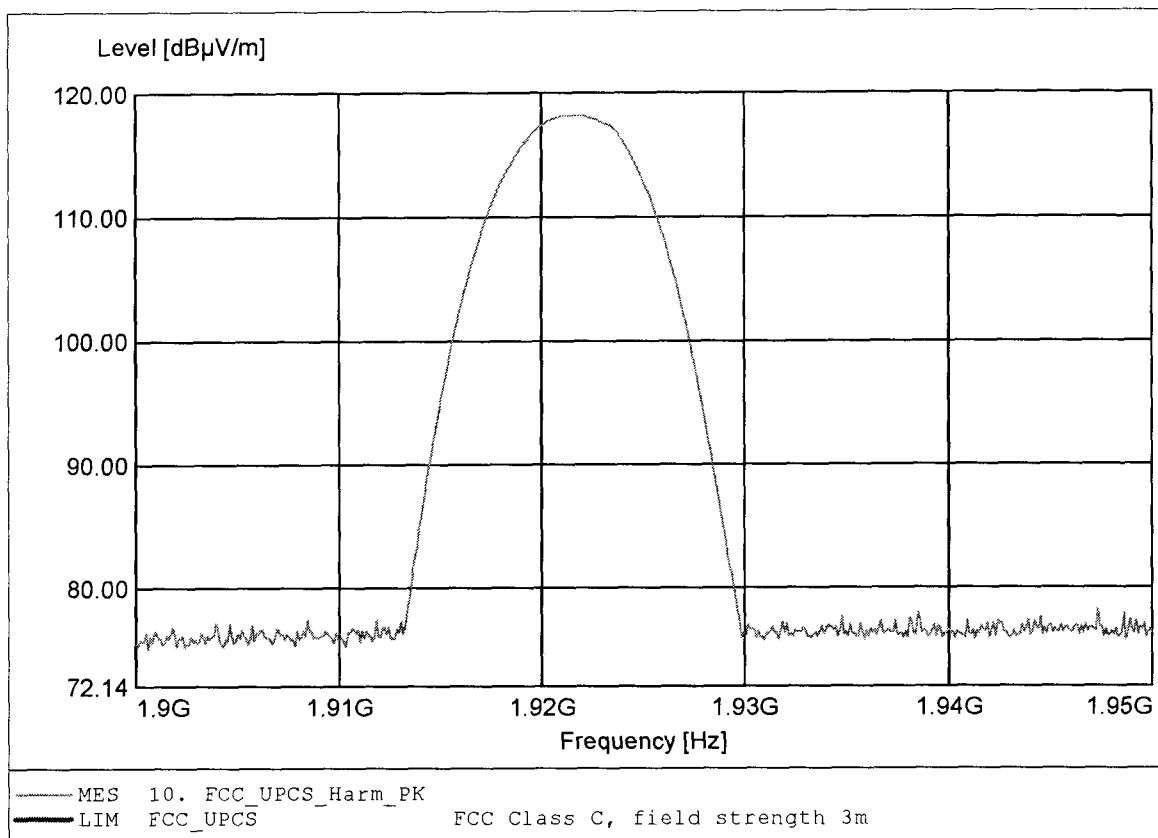
Appendix I

Radio frequency radiation exposure

Peak Transmit Power, Radiated

FCC RULES PART 15

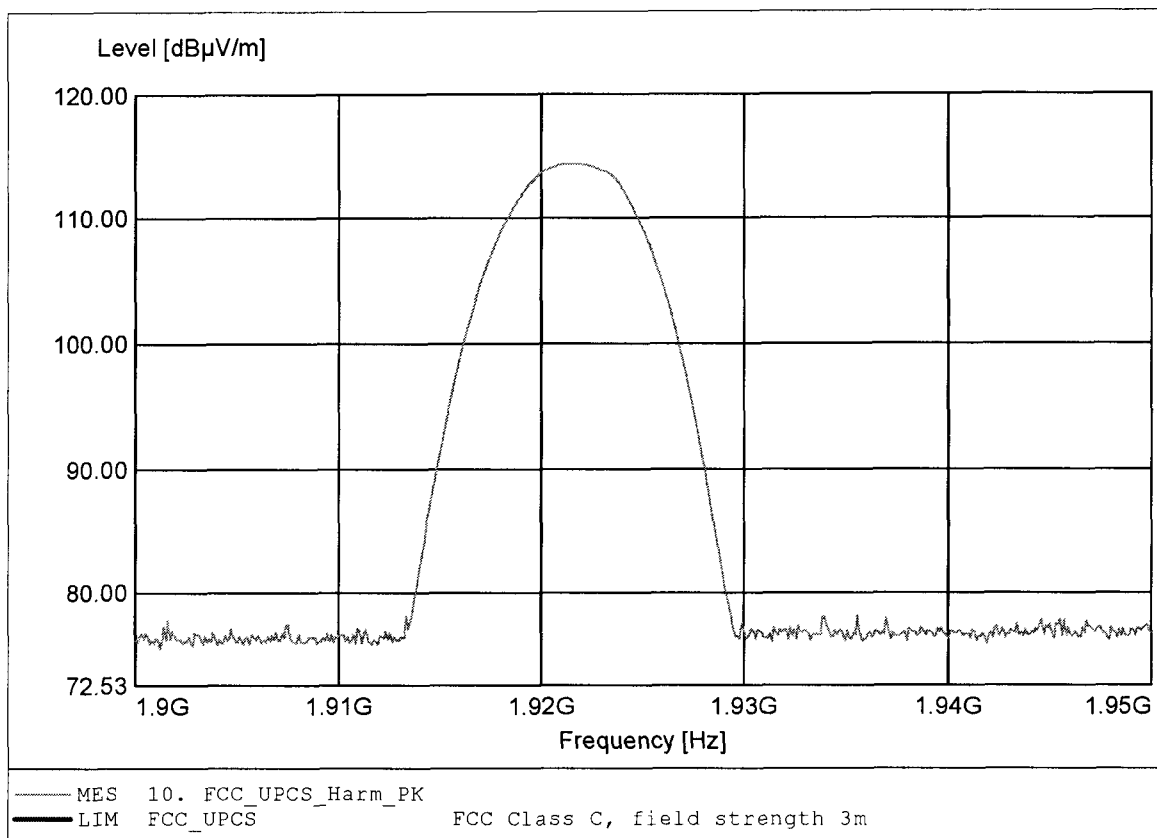
Approval Holder: Uniden America Corporation
EUT : DECT 6.0, HANDSET
Model: DCX100 / AMWUU499 / 1921.536 MHz
Test Site / Operator: ETS / Mr. Handrik
Test Conditions: 23°C / Unom: 2.4 V DC (rechargeable battery)
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.922GHz Pmax:118.12dBuV/m RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15

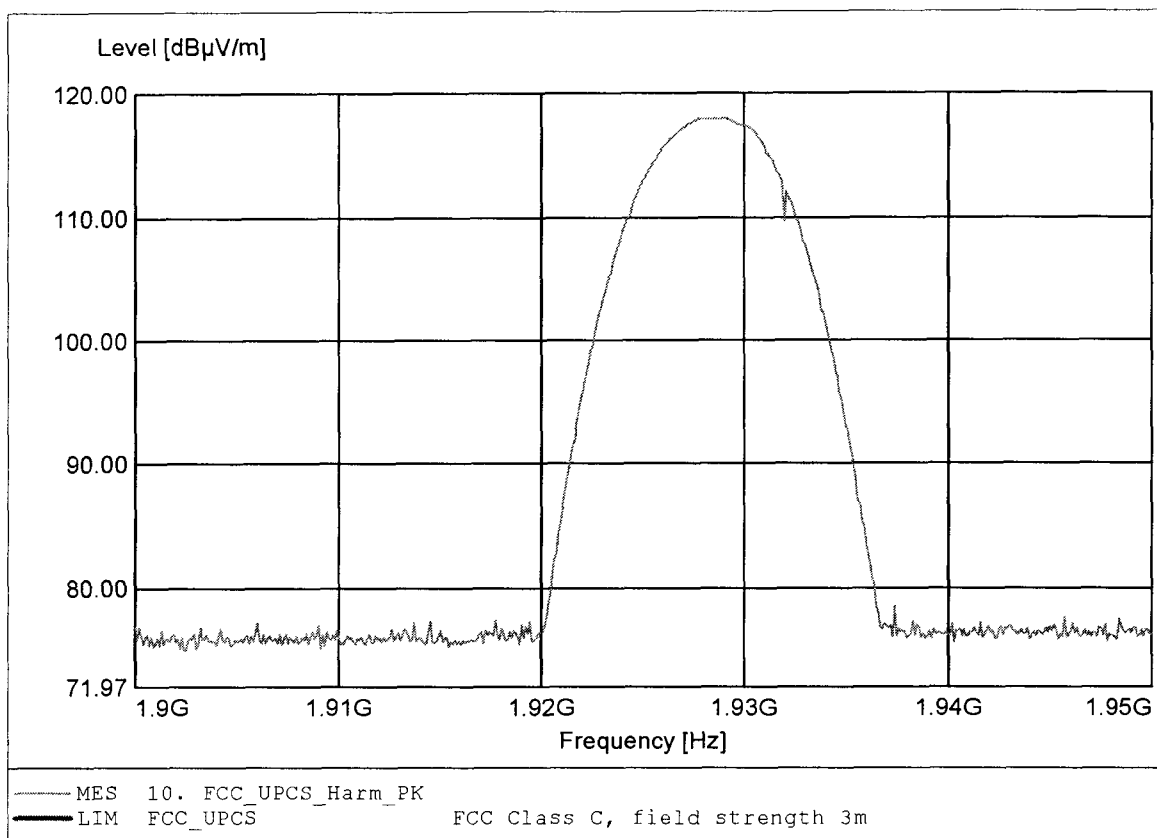
Approval Holder: Uniden America Corporation
EUT : DECT 6.0, HANDSET
Model: DCX100 / AMWUU499 / 1921.536 MHz
Test Site / Operator: ETS / Mr. Handrik
Test Conditions: 23°C / Unom: 2.4 V DC (rechargeable battery)
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.922GHz Pmax:114.36dBμV/m RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15

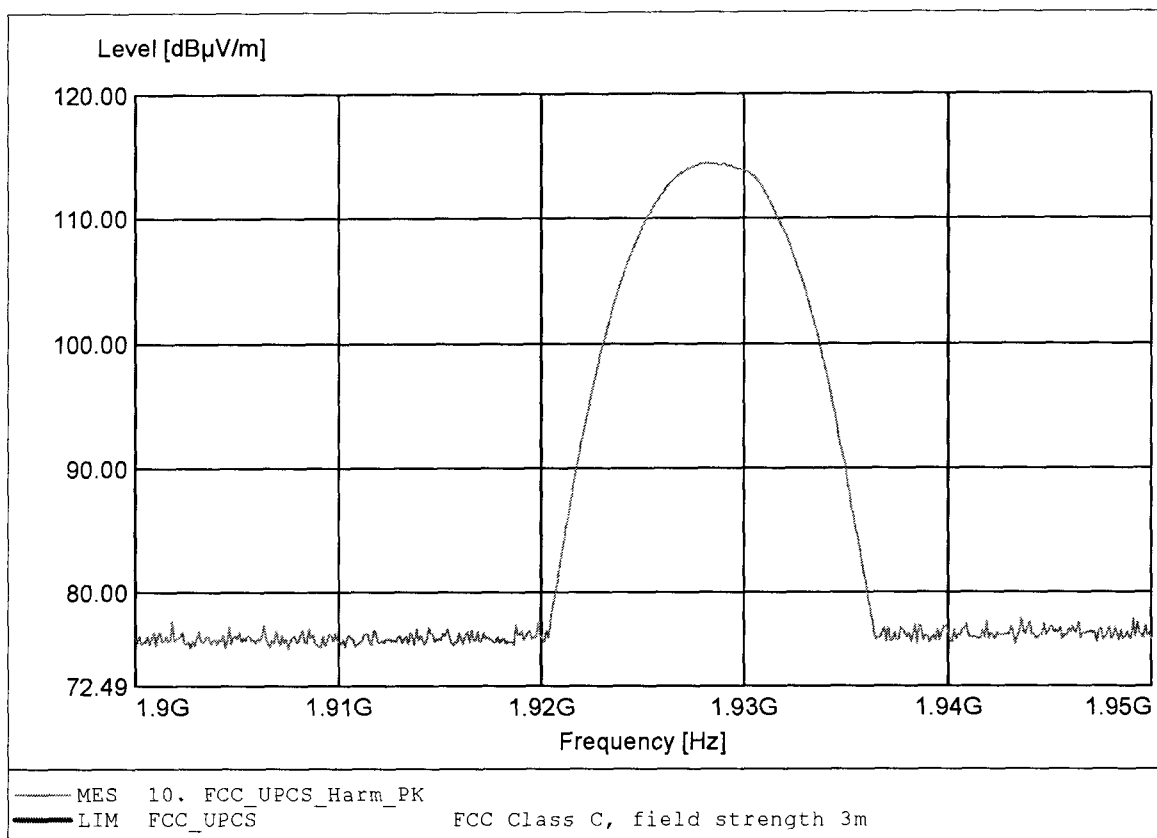
Approval Holder: Uniden America Corporation
EUT : DECT 6.0, HANDSET
Model: DCX100 / AMWU499 / 1928.448 MHz
Test Site / Operator: ETS / Mr. Handrik
Test Conditions: 23°C / Unom: 2.4 V DC (rechargeable battery)
Test Specification: Semi anechoic chamber / mode: Tx; detector: peak
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.929GHz Pmax:117.95dBμV/m RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15

Approval Holder: Uniden America Corporation
EUT : DECT 6.0, HANDSET
Model: DCX100 / AMWUU499 / 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,
Comment 2: Freq:1.928GHz Pmax:114.41dBuV/m RBW: 5 MHz



Appendix J

Monitoring threshold

Test case Rev. Draft ANSI_7.3.2_upper_threshold.xml
 Date 19.04.2006 10:43:51
 Reference to the EUT G0M20604-0398 / DCX100 / AMWUU499
 Comment: initial setup
 DECT 6.0, Handset
 RTX Telecom A/S

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

Time stamp	1921.536 MHz	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	
	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	
00:00:24.4687500	-52 -52,5	-51,9 -52,4	-52,2 -52,7	-52,1 -52,5	-52 -52,5	-52.4 dBm
00:00:36.5781250	-48,3 -53,4	-52,9 -53,4	-53,2 -53,7	-53,1 -53,5	-53 -53,5	-53.4 dBm
00:00:46.4531250	-49,3 -54,5	-54,3 -54,5	-54,6 -54,8	-54,4 -54,6	-54,3 -54,5	-52.4 dBm
00:01:05.0312500	-55,2 -55,4	-55,3 -55,5	-55,6 -55,8	-49,8 -55,5	-55,4 -55,5	-55.4 dBm
00:01:20.1875000	-56,2 -56,4	-56,2 -56,4	-56,3 -56,5	-50,2 -56,5	-56,2 -56,4	-56.4 dBm
00:01:36.8906250	-50,8 -57,3	-56,7 -57,3	-56,8 -57,4	-56,9 -57,5	-56,8 -57,3	-57.4 dBm
00:01:50.9687500	-57,7 -58,3	-57,7 -58,3	-51,2 -58,3	-57,8 -58,4	-57,8 -58,3	-58.4 dBm
00:02:02.8125000	-59,1 -59,4	-59 -59,4	-51,4 -59,4	-59,1 -59,4	-59,1 -59,4	-52.4 dBm
00:02:12.6718750	-60,1 -60,5	-60,1 -60,5	-52 -60,4	-60,1 -60,5	-60,1 -60,4	-60.4 dBm
00:02:28.4062500	-60,2 -61,4	-60,3 -61,4	-52,1 -62,3	-22,3 -41,4	-56,5 -62,4	Upper threshold level: -61.4dBm

Log file

Test case Rev. Draft ANSI_7.3.3_least_interfered_channel.xml
 Date 19.04.2006 10:59:56
 Reference to the EUT G0M20604-0398 / DCX100 / AMWUU499
 Comment: 7.3.3_b
 DECT 6.0, Handset
 RTX Telecom A/S

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

Time stamp	1921.536 MHZ	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	
	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	
00:19:23.7343750	-87,6 -96,1	-86 -96,2	-85,5 -96,1	-87,6 -96,2	-86,3 -96,3	Interferer off
00:19:32.4062500	-60,1 -60,8	-60 -60,8	-60,1 -60,8	-72 -73,9	-77,8 -80,7	Interferer on
00:19:58.8437500	-59,5 -60,8	-59,7 -60,8	-59,4 -60,8	-54,2 -72,1	-21,1 -41,7	OK 1
00:20:06.5781250	-60,3 -60,9	-60,3 -60,9	-60,2 -60,9	-72,3 -73,9	-55,1 -75,6	
00:20:15.0781250	-59,5 -60,8	-59,4 -60,8	-58,9 -60,8	-54,6 -71,8	-22,6 -41,8	OK 2
00:20:19.8906250	-60,5 -60,9	-60,5 -60,9	-60,5 -60,9	-72,5 -73,9	-55 -75,7	
00:20:24.7656250	-59,7 -60,8	-59,6 -60,8	-59,1 -60,8	-54,1 -71,8	-22,5 -41,8	OK 3
00:20:29.2031250	-60,3 -60,9	-60,2 -60,9	-60,3 -60,9	-72,5 -73,9	-55,1 -75,7	
00:20:38.0156250	-59,6 -60,8	-59,4 -60,8	-58,6 -60,8	-54,3 -72,3	-22,2 -42,2	OK 4
00:20:45.9531250	-60,2 -60,9	-60,1 -60,9	-60,2 -60,9	-72,4 -73,9	-55 -75,5	
00:20:51.6406250	-59,6 -60,8	-59,6 -60,8	-59,3 -60,8	-54,8 -72	-21,8 -42,3	OK 5

Log file

Test case Rev. Draft ANSI_7.3.3_least_interfered_channel.xml
 Date 19.04.2006 11:04:02
 Reference to the EUT G0M20604-0398 / DCX100 / AMWUU499
 Comment: 7.3.3_c
 DECT 6.0, Handset
 RTX Telecom A/S

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

Time stamp	1921.536 MHz	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	
	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	
00:23:52.3437500	-86,9 -96,2	-87 -96	-87,4 -96,3	-84,4 -96,2	-86,6 -96,3	Interferer off
00:23:58.7031250	-60,2 -60,9	-60,2 -60,9	-60 -60,9	-77,7 -80,7	-72,4 -73,9	Interferer on
00:24:20.2656250	-59,5 -60,8	-59,4 -60,8	-51,8 -60,7	-22,7 -42,6	-59,8 -73,3	OK 1
00:24:26.4375000	-60,5 -60,9	-60,5 -60,9	-60,5 -60,9	-55,3 -75,8	-72,5 -73,9	
00:24:37.1875000	-59,6 -60,8	-59,1 -60,8	-51,9 -60,7	-22,8 -42,4	-59,7 -73,4	OK 2
00:24:41.0312500	-60,2 -60,9	-60,3 -60,9	-60,1 -60,9	-55,4 -75,6	-72,4 -73,9	
00:24:44.3750000	-59,6 -60,8	-58,5 -60,8	-50 -60,7	-22,6 -42,4	-61,7 -73,5	OK 3
00:24:47.5312500	-60,2 -60,9	-60,3 -60,9	-60,2 -60,9	-55,3 -75,6	-72,1 -73,9	
00:24:51.0781250	-59,5 -60,8	-58,7 -60,8	-52,3 -60,7	-22,2 -42,1	-60,2 -73,5	OK 4
00:24:54.6250000	-60,2 -60,9	-60,2 -60,9	-60,2 -60,9	-55,2 -75,6	-72 -73,9	
00:24:58.0781250	-59,6 -60,8	-59,3 -60,8	-51,4 -60,7	-22,7 -42,1	-55,3 -73,3	OK 5

Log file

Test case Rev. Draft ANSI_7.3.3_least_interfered_channel.xml
 Date 19.04.2006 11:08:27
 Reference to the EUT G0M20604-0398 / DCX100 / AMWUU499
 Comment: 7.3.3_d
 DECT 6.0, Handset
 RTX Telecom A/S

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

Time stamp	1921.536 MHz	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	
	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	
00:28:17.1250000	-86,3 -96,1	-87,6 -96,3	-87 -96,3	-86,9 -96,1	-86,6 -96,3	Interferer off
00:28:38.6250000	-60,5 -60,9	-52,2 -60,8	-60,5 -60,9	-77,2 -79,7	-81,5 -86,5	Interferer on
00:28:49.4843750	-59,6 -60,8	-59,6 -60,8	-59,5 -60,8	-53,8 -75	-22,2 -42,6	OK 1
00:28:53.0156250	-60,2 -60,9	-60,2 -60,9	-60,2 -60,9	-76,7 -79,6	-55,2 -76,7	
00:28:57.7187500	-59,5 -60,8	-59,6 -60,8	-59,2 -60,8	-55,3 -75	-22,4 -42,4	OK 2
00:29:02.4375000	-60,2 -60,9	-60,2 -60,9	-60,3 -60,9	-76,9 -79,7	-55,4 -76,7	
00:29:05.9531250	-59,7 -60,8	-59,5 -60,8	-59,4 -60,8	-55 -75,4	-22,4 -42,2	OK 3
00:29:10.1875000	-60,5 -60,9	-60,5 -60,9	-60,5 -60,9	-76,5 -79,6	-55,6 -76,9	
00:29:14.1875000	-59,5 -60,8	-59,6 -60,8	-59,8 -60,8	-55,4 -75,6	-22,4 -41,6	OK 4
00:29:19.9687500	-60,5 -60,9	-60,6 -60,9	-52,1 -60,8	-77 -79,7	-55,7 -77,3	
00:29:24.8593750	-59,7 -60,8	-59,4 -60,8	-59,4 -60,8	-54,8 -75,1	-21,9 -42,1	OK 5

Log file

Test case Rev. Draft ANSI_7.3.3_least_interfered_channel.xml
 Date 19.04.2006 11:12:23
 Reference to the EUT G0M20604-0398 / DCX100 / AMWUU499
 Comment: 7.3.3_e
 DECT 6.0, Handset
 RTX Telecom A/S

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

Time stamp	1921.536 MHZ	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	
	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	
00:32:29.7343750	-86 -96,2	-86,5 -96	-87 -96,1	-86,6 -96,4	-86,2 -96,3	Interferer on
00:32:35.6250000	-60,1 -60,9	-60,1 -60,9	-59,8 -60,9	-81,4 -86,4	-77 -79,9	Interferer off
00:32:56.3125000	-59,7 -60,8	-59,4 -60,8	-51,6 -60,7	-22,4 -41,8	-62,9 -78,4	OK 1
00:32:59.6562500	-60,2 -60,9	-60,3 -60,9	-60,2 -60,9	-55,5 -77,1	-76,8 -79,8	
00:33:02.9062500	-59,4 -60,8	-59,3 -60,8	-52,4 -60,7	-22,6 -42	-62,6 -78,6	OK 2
00:33:06.2656250	-60,2 -60,9	-60,2 -60,9	-60,2 -60,9	-55,6 -76,8	-76,7 -79,8	
00:33:09.1250000	-59,5 -60,8	-59,5 -60,8	-51,6 -60,7	-22,4 -42,8	-60,8 -78,2	OK 3
00:33:12.5625000	-60,3 -60,9	-60,2 -60,9	-60,1 -60,9	-55,6 -76,8	-76,9 -79,8	
00:33:15.2343750	-59,6 -60,8	-59,2 -60,8	-51,5 -60,7	-22,7 -43	-59,4 -78	OK 4
00:33:19.8437500	-60,2 -60,9	-60,2 -60,9	-60,1 -60,9	-55,6 -76,9	-77,1 -79,9	
00:33:22.4375000	-59,5 -60,8	-59,6 -60,8	-51,1 -60,7	-22,3 -41,8	-61 -78,4	OK 5

Log file

Appendix K

Monitoring of intended transmit window and maximum reaction time

Test case Rev. Draft ANSI_7.5_reaction_time_low_ch.xml
 Date 19.04.2006 12:58:07
 Reference to the EUT G0M20604-0398 / DCX100 / AMWUU499
 Comment: 7.5_low_ch_50 / 35 us
 DECT 6.0, Handset
 RTX Telecom A/S

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

Time stamp	1921.536 MHz	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	
	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	
00:00:11.6250000	-86,8 -96	-85,6 -96,5	-87,1 -96,2	-55,9 -77,6	-86,1 -96,2	Interferer off
00:00:20.6250000	-81,2 -95,4	-71,6 -94,2	-55 -77,4	-22,4 -42,6	-58,5 -83,3	Test connection
00:00:32.4843750	-55,5 -70,6	-59,1 -59,8	-59,2 -59,9	-51,4 -59,8	-59,2 -59,8	50µs interferer on, no connection
00:00:44.2656250	-73,8 -94,1	-55,7 -78,3	-22,9 -42,6	-57,7 -82,7	-78,6 -94,4	Test connection
00:01:23.8593750	-48,6 -66,7	-52 -59,7	-59,1 -59,9	-59,3 -59,9	-59,2 -59,7	35µs interferer on, no connection

Log file

Test case Rev. Draft ANSI_7.5_reaction_time_high_ch.xml
 Date 19.04.2006 11:49:18
 Reference to the EUT G0M20604-0398 / DCX100 / AMWUU499
 Comment: 7.5_high_ch_50 / 35 us
 DECT 6.0, Handset
 RTX Telecom A/S

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

Time stamp	1921.536 MHZ	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	
	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	
01:08:30.7500000	-86,3 -96,3	-55,9 -77,6	-87,3 -96,2	-86 -96,1	-86 -96,1	Interferer off
01:08:50.5937500	-22,4 -42,2	-58,2 -82,8	-73,6 -93,8	-80,8 -95,5	-80,3 -95,4	Test connection
01:09:08.4062500	-59,1 -59,8	-51,6 -59,9	-59,2 -59,9	-59,3 -59,9	-55 -70,6	50µs interference on, no connection
01:09:26.6093750	-79,3 -95,3	-72,7 -94,3	-55 -77,1	-22,7 -42,6	-58,2 -83	Test connection
01:09:59.7968750	-59,1 -59,8	-59,2 -59,9	-51,3 -59,8	-59,2 -59,9	-49,8 -67,2	35µs interference on, no connection

Log file

Appendix L

Monitoring bandwidth

Test case Rev. Draft ANSI_7.4.1_monitoring_bandwidth.xml
 Date 19.04.2006 11:39:09
 Reference to the EUT G0M20604-0398 / DCX100 / AMWUU499
 Comment: 7.4.1 simple compliance test_low_+30%
 DECT 6.0, Handset
 RTX Telecom A/S

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

Time stamp	1921.536 MHz	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	
	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	
00:59:35.6718750	-86,4 -96,4	-85,8 -96,1	-56,1 -77,5	-85,6 -96,2	-87,6 -96,3	Interferer off
00:59:47.3750000	-80,6 -95,1	-74,5 -94,4	-55 -77,1	-22,4 -42,2	-59 -83	Test connection
01:00:09.4375000	-86,6 -96,1	-59 -59,7	-51,4 -59,8	-51,5 -59,8	-59,3 -59,8	Interferer on, no connection

Log file

Test case Rev. Draft ANSI_7.4.1_monitoring_bandwidth.xml
 Date 19.04.2006 11:35:40
 Reference to the EUT G0M20604-0398 / DCX100 / AMWUU499
 Comment: 7.4.1 simple compliance test_low_-30%
 DECT 6.0, Handset
 RTX Telecom A/S

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

Time stamp	1921.536 MHz	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	
	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	
00:54:16.0156250	-87,1 -96	-87,1 -96,2	-87,1 -96	-55,9 -77,5	-86,7 -96,1	Interferer off
00:55:08.3125000	-81,9 -95,4	-73,4 -94,4	-55,7 -77,1	-22,4 -42,3	-54,6 -81,5	Test connection
00:55:27.5937500	-87,1 -95,9	-59 -59,7	-59,1 -59,8	-51,4 -59,8	-59,2 -59,8	Interferer on, no connection

Log file

Test case Rev. Draft ANSI_7.4.1_monitoring_bandwidth.xml
 Date 19.04.2006 11:44:14
 Reference to the EUT G0M20604-0398 / DCX100 / AMWUU499
 Comment: 7.4.1 simple compliance test_high_+30%
 DECT 6.0, Handset
 RTX Telecom A/S

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

Time stamp	1921.536 MHz	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	
	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	
01:04:50.5000000	-87,2 -96	-86,7 -96,2	-55,8 -77,5	-87,7 -96,4	-87,6 -96,3	Interferer off
01:05:00.3125000	-81,2 -95,4	-80,7 -95,2	-72,6 -94,3	-55,5 -78	-22,7 -42,8	Test connection
01:05:13.3437500	-59,1 -59,7	-59,1 -59,8	-59,1 -59,8	-51,5 -59,8	-85,7 -96,2	Interferer on, no connection

Log file

Test case Rev. Draft ANSI_7.4.1_monitoring_bandwidth.xml
 Date 19.04.2006 11:41:35
 Reference to the EUT G0M20604-0398 / DCX100 / AMWUU499
 Comment: 7.4.1 simple compliance test_high_-30%
 DECT 6.0, Handset
 RTX Telecom A/S

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

Time stamp	1921.536 MHz	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	
	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	
01:02:08.4218750	-86,9 -96,3	-84,7 -96,1	-87,5 -96	-55,9 -77,5	-86,2 -96,1	Interferer off
01:02:14.7187500	-81,2 -95,4	-77,9 -95,3	-73,2 -93,9	-55,1 -77	-22,9 -42,6	Test connection
01:02:29.3281250	-59,2 -59,7	-59,2 -59,8	-59,1 -59,8	-59,1 -59,8	-55,6 -77,4	Interferer on, no connection

Log file

Appendix M

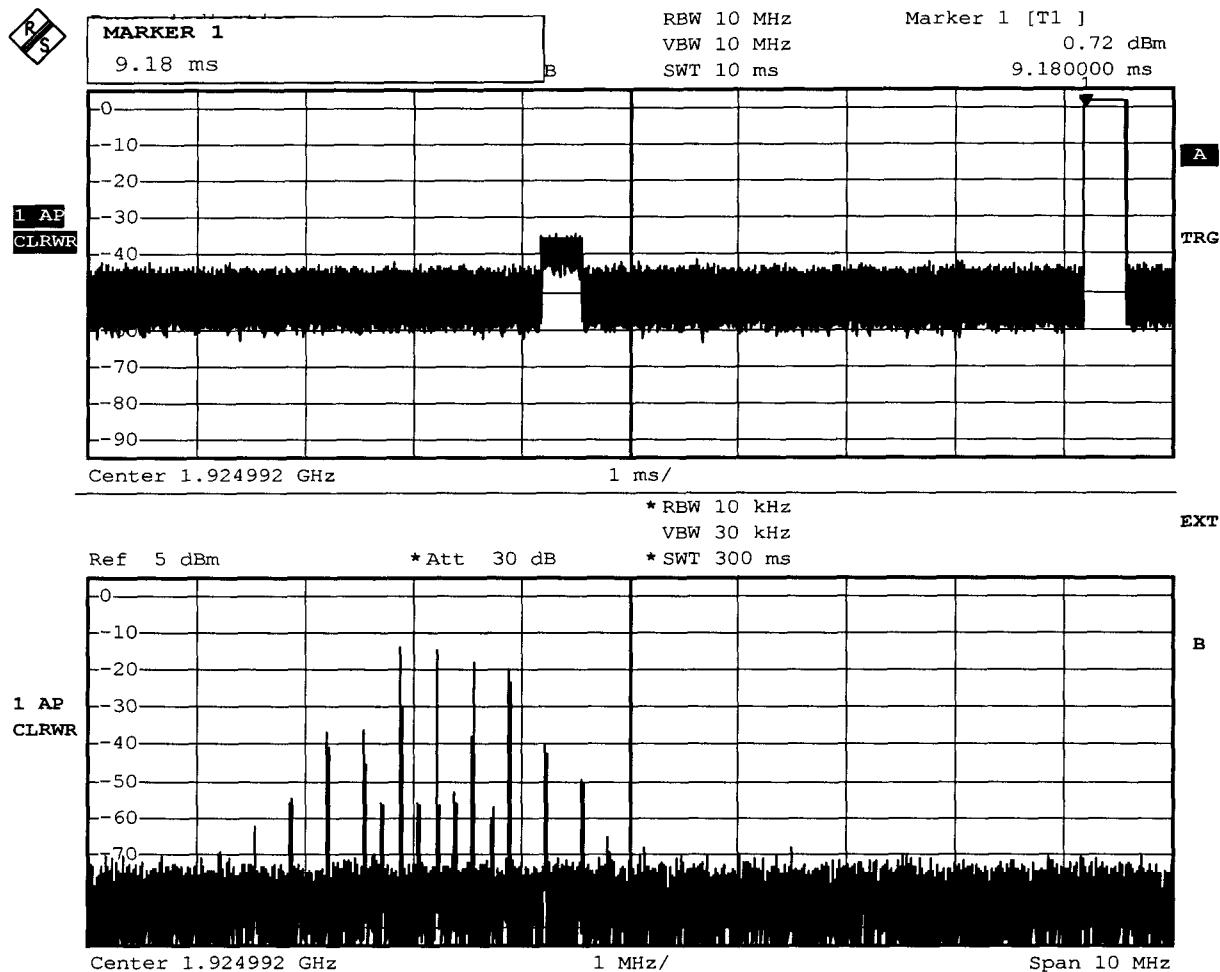
Random waiting interval

Appendix N

Duration of Transmission

**ANSI C63.17-1998 Rev. Draft ANSI 8.2.2 Transmission duration
UPCS1900**

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 Rev. Draft ANSI 8.2.2 Transmission duration
Comment 1	Monitoring the channels and time slots
Comment 2	Connection at channel 3, in time slot 22 (9.180 ms)
Comment 3	



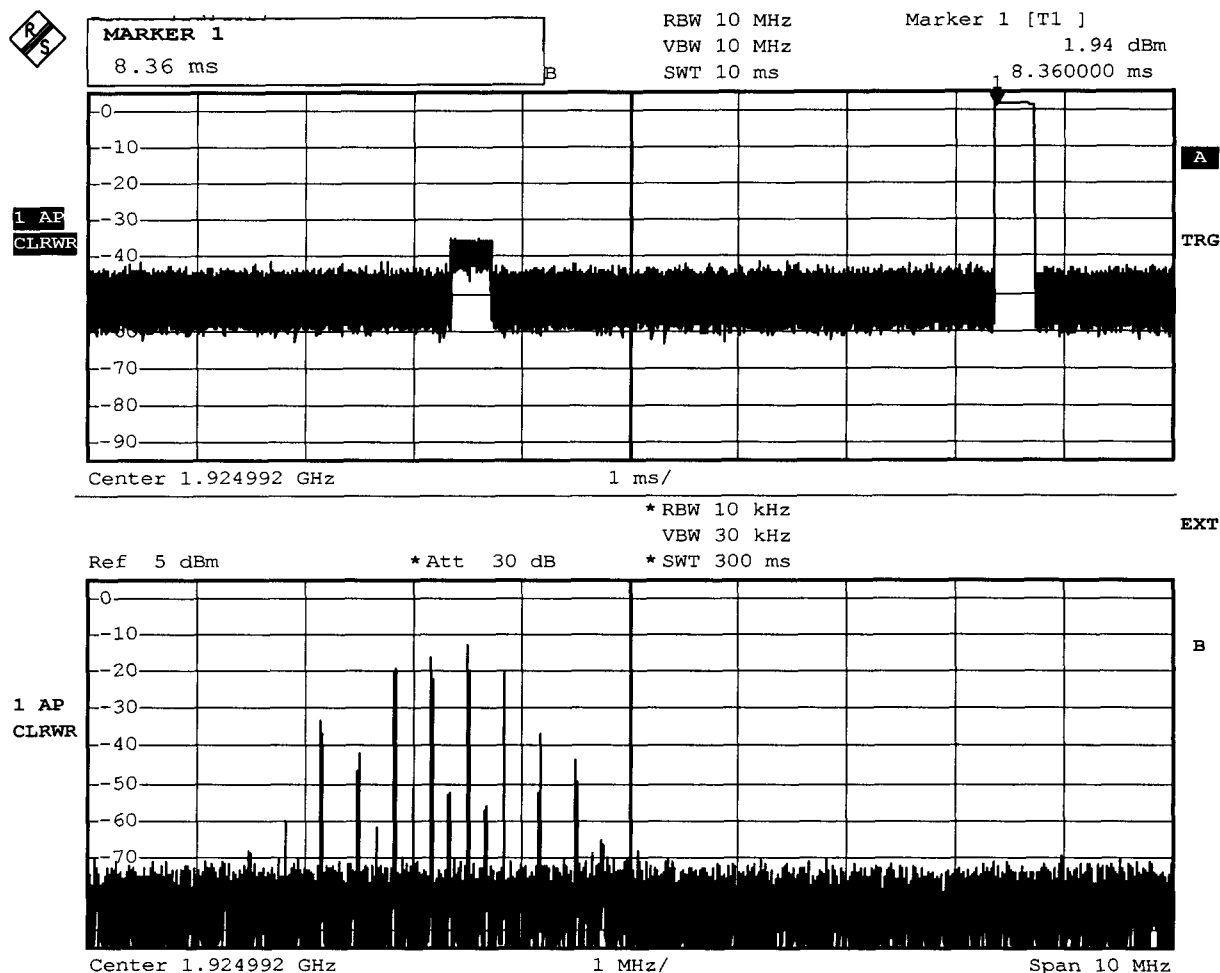
Comment: Ansi C63.17-1998

Date: 20.APR.2006 08:19:33

Measurment diagramm

**ANSI C63.17-1998 Rev. Draft ANSI 8.2.2 Transmission duration
UPCS1900**

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 Rev. Draft ANSI 8.2.2 Transmission duration
Comment 1	Monitoring the channels and time slots
Comment 2	Connection at channel 3, in time slot 20 (8.36 ms)
Comment 3	the time slot is changing all 10 minutes



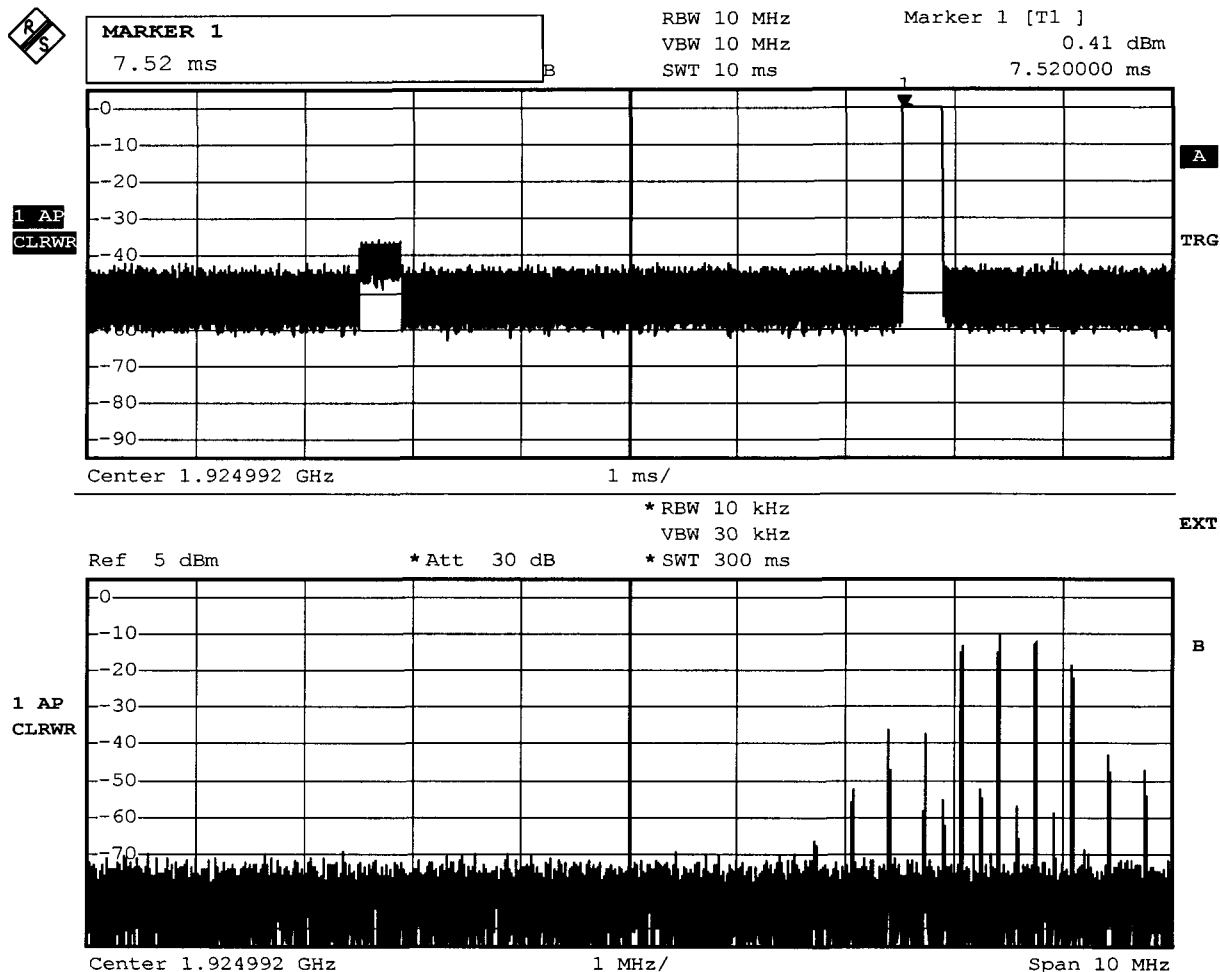
Comment: Ansi C63.17-1998

Date: 20.APR.2006 08:28:26

Measurment diagramm

**ANSI C63.17-1998 Rev. Draft ANSI 8.2.2 Transmission duration
UPCS1900**

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 Rev. Draft ANSI 8.2.2 Transmission duration
Comment 1	Monitoring of channels and time slots
Comment 2	Connection at channel 1, in time slot 18 (7.52ms)
Comment 3	channel and time slot changing after 10 minutes



Comment: Ansi C63.17-1998

Date: 20.APR.2006 08:39:03

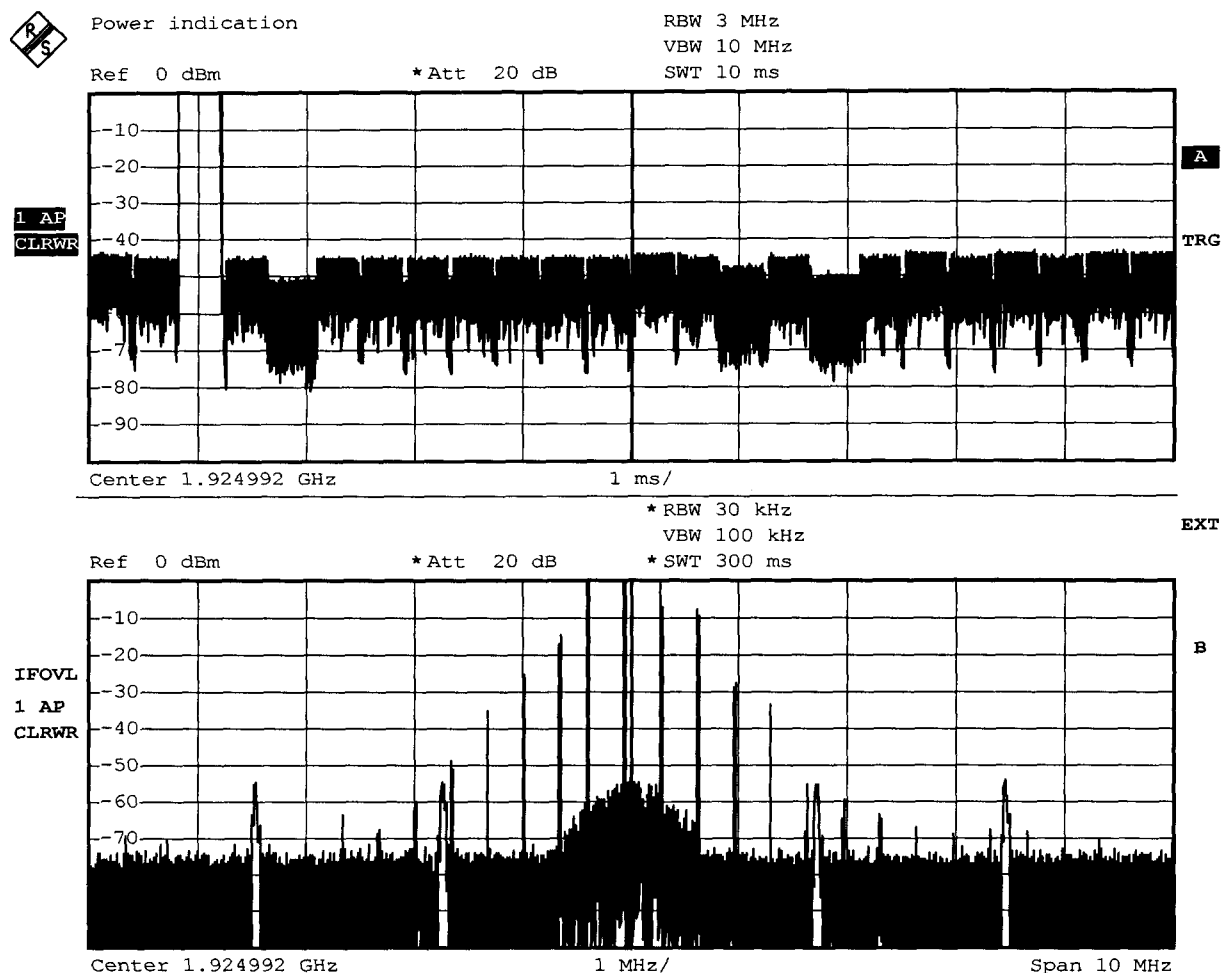
Measurment diagramm

Appendix O

Connection acknowledgement

ANSI C63.17-1998 Rev. Draft ANSI 8.2.1 a) Acknowledgements UPCS1900

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 Rev. Draft ANSI 8.2.1 acknowledgements
Comment 1	Test connection with unblocked acknowledgements
Comment 2	TDMA, two time slot are interference free
Comment 3	connection is establish



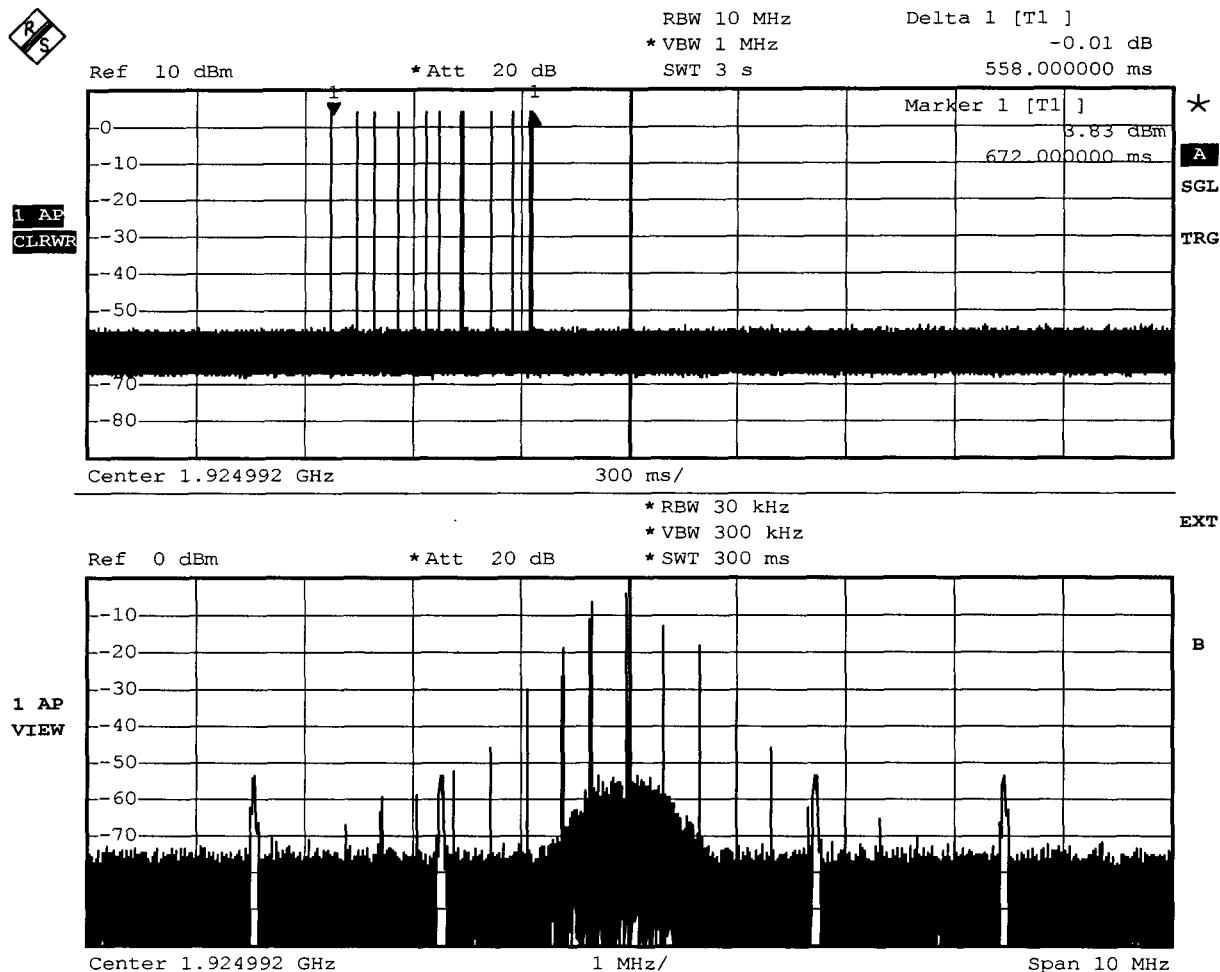
Comment: Ansi C63.17-1998

Date: 19.APR.2006 13:13:44

Measurment diagramm

**ANSI C63.17-1998 Rev. Draft ANSI 8.2.1 b) acknowledgements
UPCS1900**

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 Rev. Draft ANSI 8.2.1 acknowledgements
Comment 1	paragraph a) blocked acknowledgements from the companion device
Comment 2	by blocking the Rx time slots from the companion device
Comment 3	EUT cease the transmission after 558 ms Limit: < 1second



Comment: Ansi C63.17-1998

Date: 24.APR.2006 11:47:25

Measurment diagramm

Test case Rev. Draft ANSI_8.2.1_Acknowledgments_30s.xml
 Date 19.04.2006 15:15:23
 Reference to the EUT G0M20604-0398 / DCX100 / AMWUU499
 Comment: 8.2.1 Acknowledgments for c)
 DECT 6.0, Handset
 RTX Telecom A/S

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

Time stamp	1921.536 MHZ	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	
	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	
00:03:59.0625000	-57,5 -57,9	-46,1 -57,7	-22 -39,5	-50,6 -58,6	-57,2 -59,1	connection
00:04:07.7500000	-57,4 -58,1	-45,6 -57,9	-22,3 -41,3	-49,8 -58,7	-55,9 -59,3	Block the acknowledge- ments from the companion device
00:04:12.2343750	-57,5 -57,9	-57,7 -58,1	-86,8 -96,1	-58,4 -58,8	-58,8 -59,2	DUT cease the transmission

The DUT terminates the transmission after 4.5 seconds.

Log file

Appendix P

Selected channel, power accuracy, segment occupancy

Test case
confirmation.xml

Rev. Draft ANSI_7.3.4_selected channel

Date 19.04.2006 11:20:25

Reference to the EUT

G0M20604-0398 / DCX100 / AMWUU499

Comment:

initial setup

DECT 6.0, Handset
RTX Telecom A/S

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

Time stamp	1921.536 MHz	1923.264 MHz	1924.992 MHz	1926.720 MHz (f1)	1928.448 MHz (f2)	Comment
	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	
	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	
00:40:37.2343750	-60 -60,8	-60,1 -60,8	-60 -60,8	-76,5 -80,6	-86,8 -96,4	Interferer on
00:41:07.7968750	-59,7 -60,8	-59,7 -60,8	-58,8 -60,8	-54,1 -75,7	-22,8 -42,5	OK 1
00:41:17.5312500	-59,7 -60,8	-59,3 -60,8	-52,5 -60,8	-22,6 -41,7	-63,2 -79,2	OK 2

Log file