



Appendix B

Coordination with fixed microwave service

UTAM, Inc.

SECTION 15.307(b) AFFIDAVIT

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

ASCOM WIRELESS SOLUTIONS, INC.

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 30th day of August, 2005



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

Affidavit #: ASCO092005



Appendix C

Reference to Subpart B



Appendix D

Labeling requirements

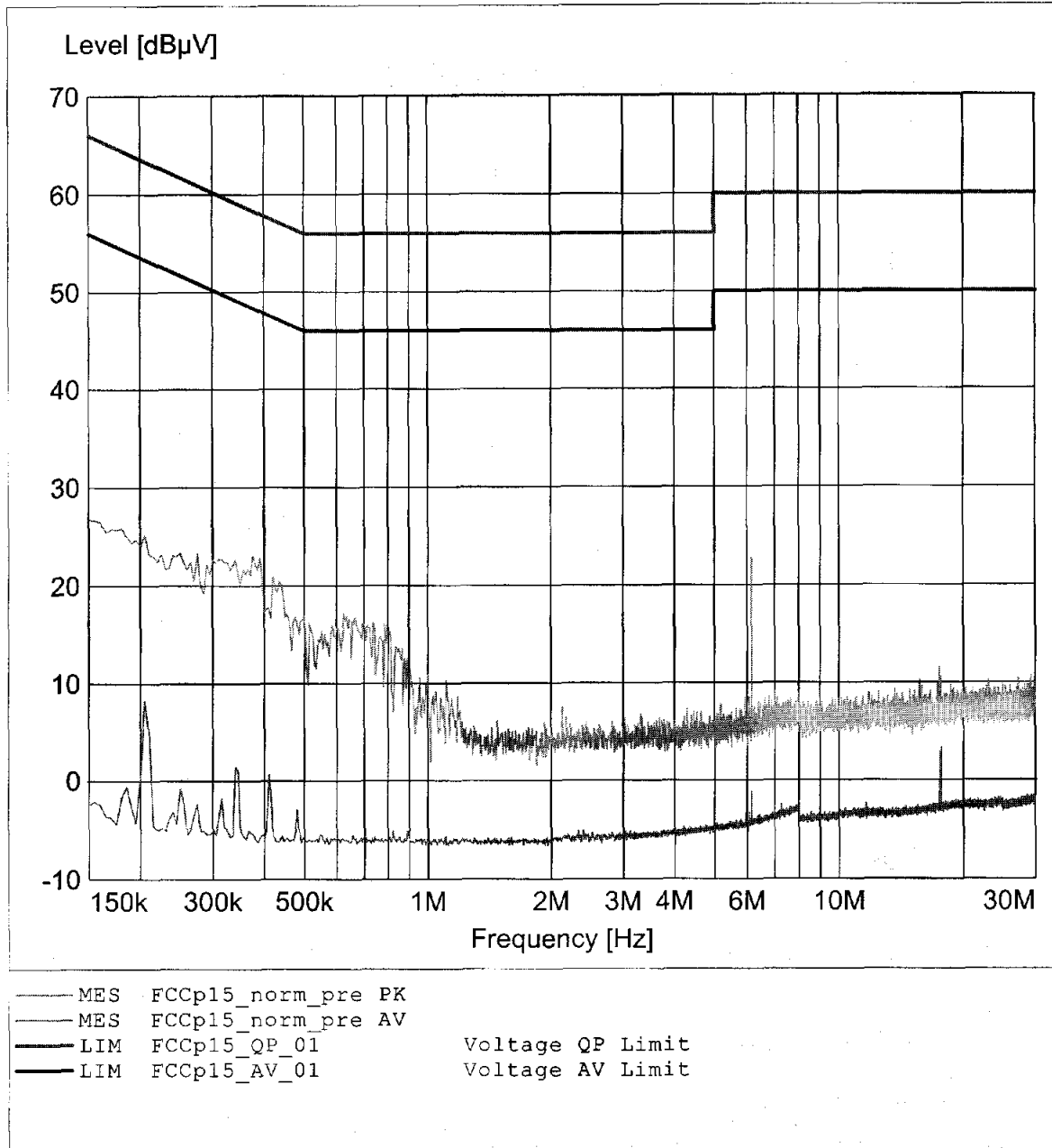


Appendix E

Conducted limits AC Power line

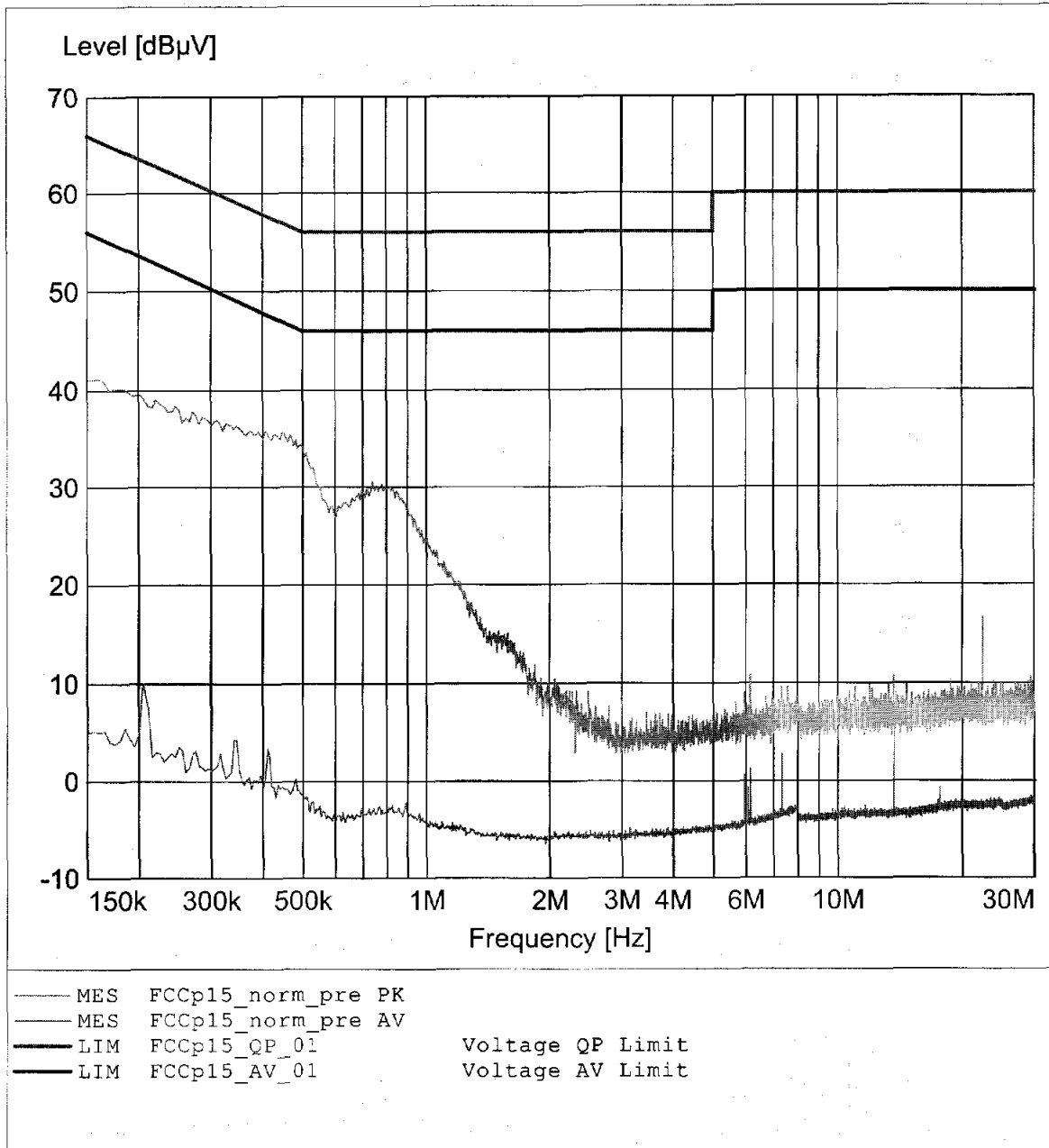
EMI voltage test in the ac-mains according to FCC part 15

EUT: HIGH END UPCS HANDSET
Manufacturer: ASCOM TATECO AB
Operating Condition: Unom: 120 V AC (AC/DC-ADAPTOR) , Tnom: 23°C
Test Site: ETS
Operator: Mr. Marquardt
Test Specification: V-Network: ESH2-Z5 (L1)
Comment: model: DT590 mode: charging
ADAPTOR: FE4116090D030



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

EUT: HIGH END UPCS HANDSET
 Manufacturer: ASCOM TATECO AB
 Operating Condition: Unom: 120 V AC (AC/DC-ADAPTOR) , Tnom: 23°C
 Test Site: ETS
 Operator: Mr. Marquardt
 Test Specification: V-Network: ESH2-Z5 (N)
 Comment: model: DT590 mode: charging
 ADAPTOR: FE4116090D030





Appendix F

Emission band width



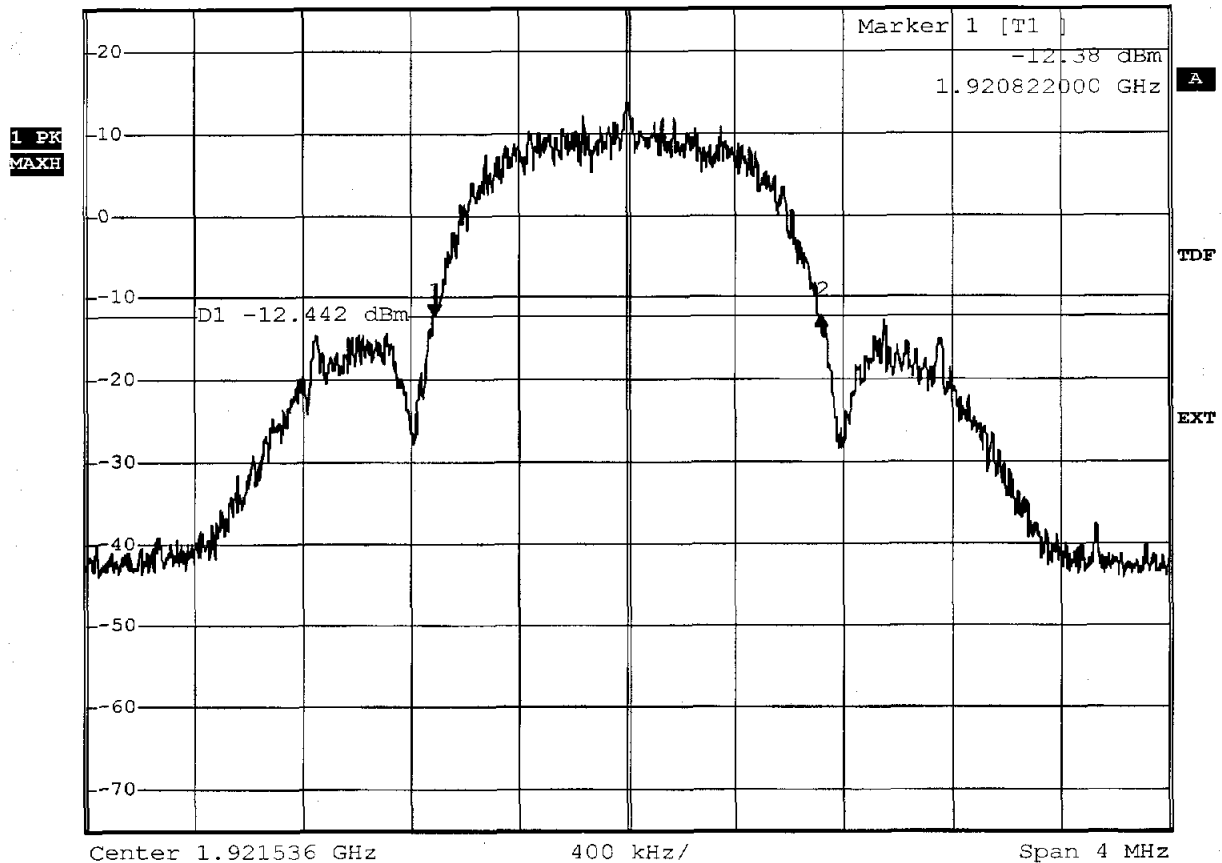
FCC Part 15.303(b) Emission bandwidth

Testprocedure Rev. Draft 1.1 ANSI 63.17-1998 6.1.3
 UPCS

EUT	High end UPCS handset
Model	DT590
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.3 Emission bandwidth
Measured Bandwidth	Emission Bandwidth = 1.43MHz
Max. Permitted BW	Limit = 2.5 MHz
Test result	Verdict = PASS



Emission Bandwidth *RBW 10 kHz Delta 2 [T1]
 *VBW 30 kHz 0.09 dB
 Ref 25 dBm *Att 40 dB SWT 40 ms 1.430000000 MHz



Comment: Ansi C63.17-1998 6.1.3
 Date: 30.AUG.2005 17:33:40

Measurement diagram



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

-6 dB points

Lower frequency : 1921.086MHz
Higher frequency : 1922.018MHz

-12 dB points

Lower frequency : 1920.958MHz
Higher frequency : 1922.124MHz

Measurement diagram



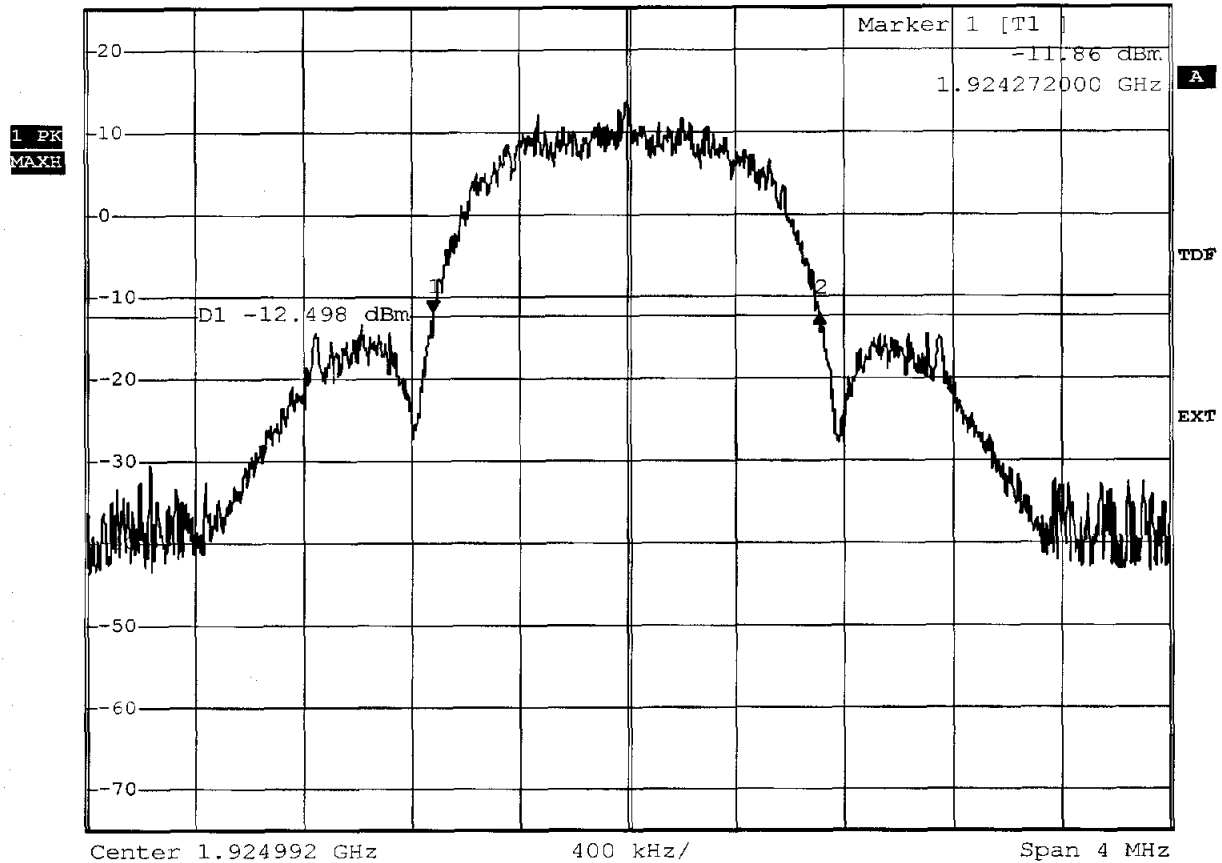
FCC Part 15.303(b) Emission bandwidth

**Testprocedure Rev. Draft 1.1 ANSI 63.17-1998 6.1.3
UPCS**

EUT	High end UPCS handset
Model	DT590
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.3 Emission bandwidth
Measured Bandwidth	Emission Bandwidth = 1.43MHz
Max. Permitted BW	Limit = 2.5 MHz
Test result	Verdict = PASS



Emission Bandwidth *RBW 10 kHz Delta 2 [T1]
 *VBW 30 kHz -0.41 dB
 Ref 25 dBm *Att 40 dB SWT 40 ms 1.432000000 MHz



Comment: Ansi C63.17-1998 6.1.3
 Date: 30.AUG.2005 18:36:28

Measurement diagram



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

-6 dB points

Lower frequency : 1924.54MHz
Higher frequency : 1925.426MHz

-12 dB points

Lower frequency : 1924.402MHz
Higher frequency : 1925.578MHz

Measurement diagram

FCC Part 15.303(b) Emission bandwidth

Testprocedure Rev. Draft 1.1 ANSI 63.17-1998 6.1.3
 UPCS

EUT High end UPCS handset
 Model DT590
 Applicant RTX Telecom A/S
 Temperature 23°C
 Test Site / Operator ETS Reichenwalde
 Test Specification 6.1.3 Emission bandwidth

Measured Bandwidth Emission Bandwidth = 1.43MHz
 Max. Permitted BW Limit = 2.5 MHz

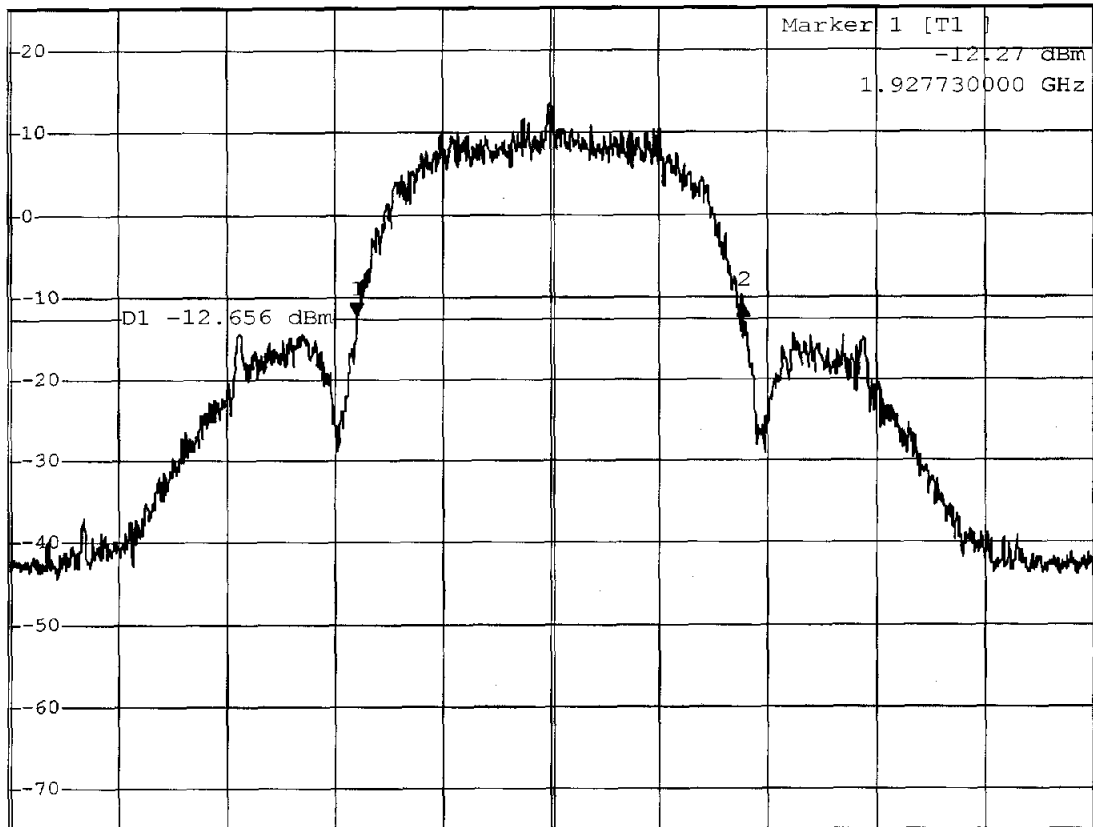
Test result Verdict = PASS



Emission Bandwidth

*RBW 10 kHz Delta 2 [T1]
 *VBW 30 kHz 1.10 dB
 *Att 40 dB
 SWT 40 ms 1.428000000 MHz

Ref 25 dBm



Center 1.928448 GHz 400 kHz/ Span 4 MHz

Comment: Ansi C63.17-1998 6.1.3
 Date: 30.AUG.2005 18:38:51

Measurement diagram



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

-6 dB points

Lower frequency : 1928.02MHz
Higher frequency : 1928.858MHz

-12 dB points

Lower frequency : 1927.862MHz
Higher frequency : 1929.036MHz

Measurement diagram



Appendix G

Peak Transmit Power



FCC Part 15.319(c) Peak Transmit Power limit

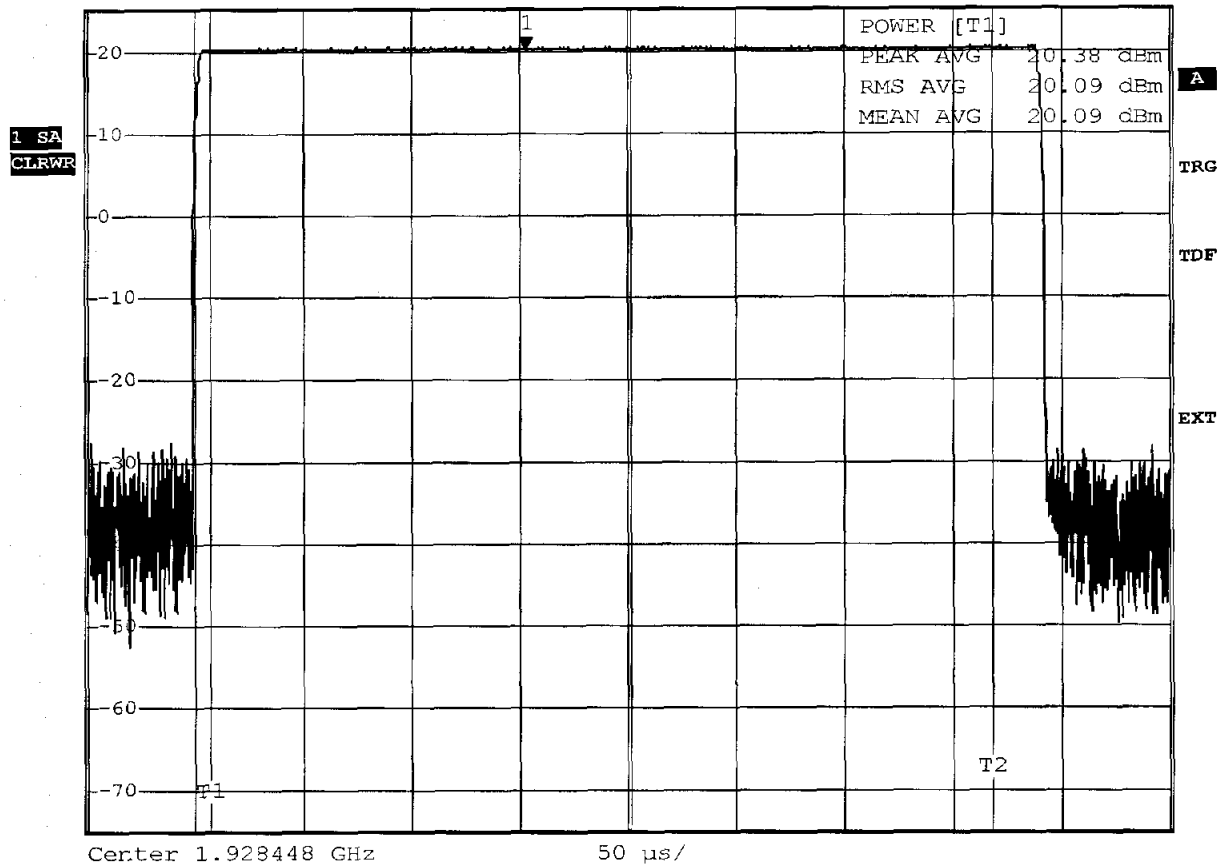
Testprocedure Rev. Draft 1.1 ANSI 63.17-1998 6.1.2
 UPCS

EUT High end UPCS handset
 Model DT590
 Applicant RTX Telecom A/S
 Temperat. / Voltage 23°C
 Test Site / Operator ETS Reichenwalde
 Test Specification 6.1.2 Peak transmit power

Measured Bandwidth 1.432MHz
 Max. Permitted Power 20,77 dBm
 Measured Power 20,38 dBm
 Test result Verdict = PASS



Peak transmit power RBW 3 MHz Marker 1 [T1] 20.21 dBm
 *VBW 10 MHz
 Ref 25 dBm *Att 40 dB SWT 500 µs 153.000000 µs



Comment: Ansi C63.17-1998 6.1.2
 Date: 30.AUG.2005 18:42:32

Measurement diagram



FCC Part 15.319(c) Peak Transmit Power limit

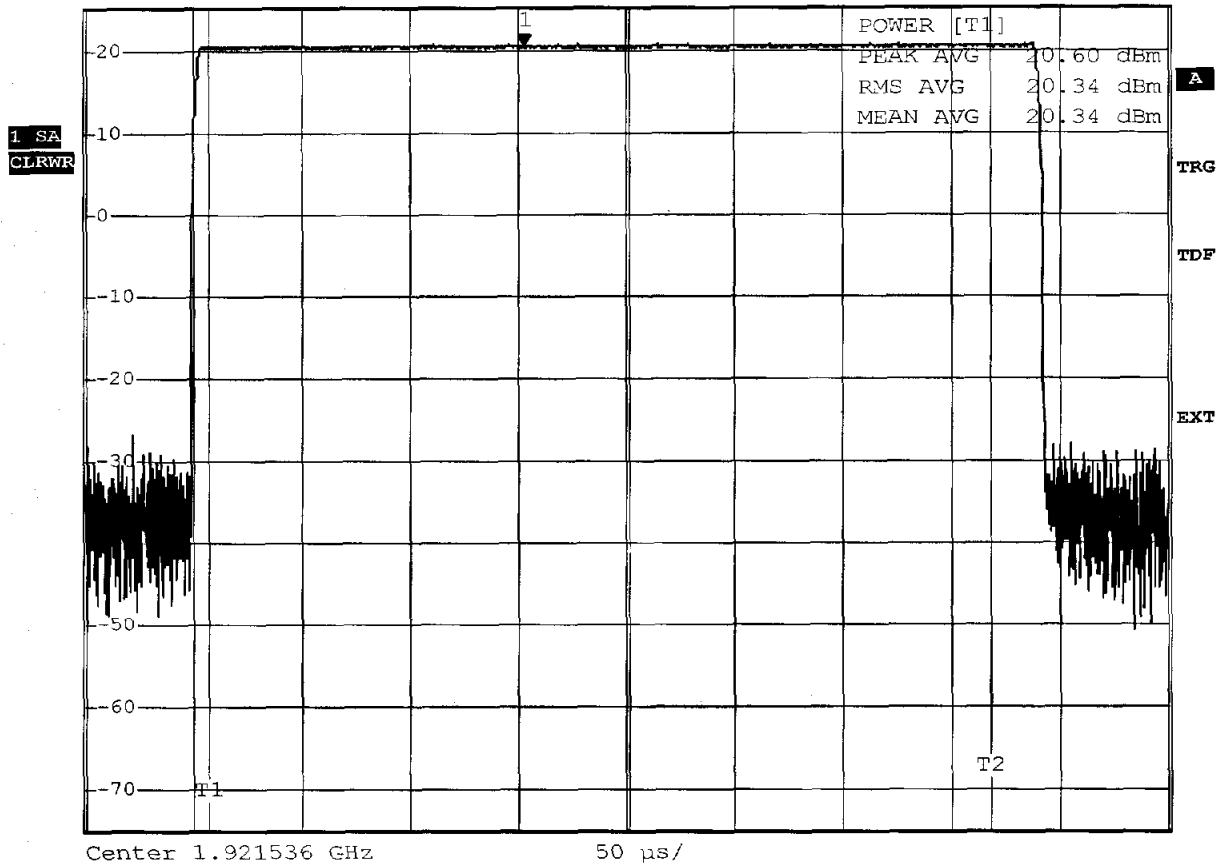
Testprocedure Rev. Draft 1.1 ANSI 63.17-1998 6.1.2
 UPCS

EUT High end UPCS handset
 Model DT590
 Applicant RTX Telecom A/S
 Temperat. / Voltage 23°C
 Test Site / Operator ETS Reichenwalde
 Test Specification 6.1.2 Peak transmit power

Measured Bandwidth 1.432MHz
 Max. Permitted Power 20,77 dBm
 Measured Power 20,60 dBm
 Test result Verdict = PASS



Peak transmit power RBW 3 MHz Marker 1 [T1] 20.47 dBm
 *VBW 10 MHz
 Ref 25 dBm *Att 40 dB SWT 500 µs 153.000000 µs



Comment: Ansi C63.17-1998 6.1.2
 Date: 30.AUG.2005 18:43:42

Measurement diagram



FCC Part 15.319(c) Peak Transmit Power limit

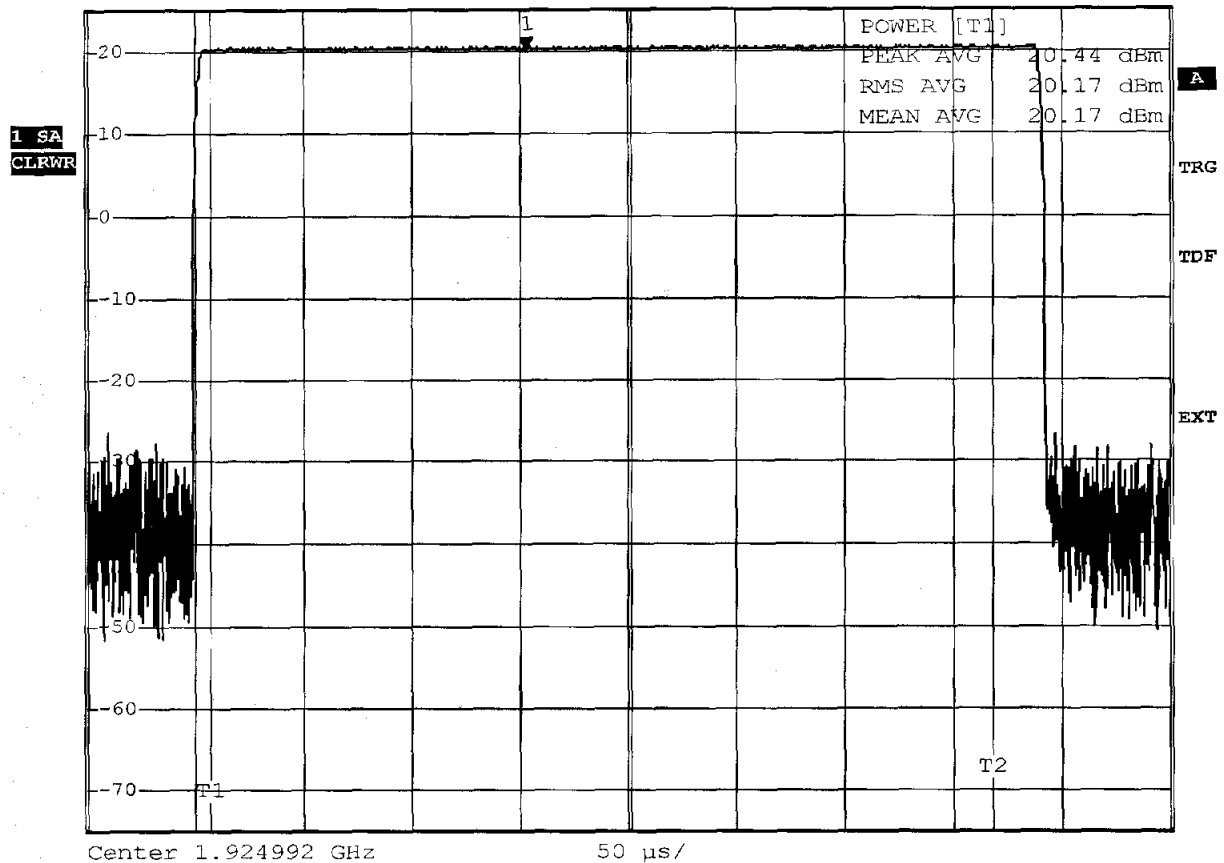
**Testprocedure Rev. Draft 1.1 ANSI 63.17-1998 6.1.2
UPCS**

EUT High end UPCS handset
 Model DT590
 Applicant RTX Telecom A/S
 Temperat. / Voltage 23°C
 Test Site / Operator ETS Reichenwalde
 Test Specification 6.1.2 Peak transmit power

Measured Bandwidth 1.432MHz
 Max. Permitted Power 20,77 dBm
 Measured Power 20,44 dBm
 Test result Verdict = PASS



Peak transmit power RBW 3 MHz Marker 1 [T1] 20.05 dBm
 *VBW 10 MHz
 Ref 25 dBm *Att 40 dB SWT 500 µs 153.000000 µs



Comment: Ansi C63.17-1998 6.1.2
 Date: 30.AUG.2005 18:44:37

Measurement diagram



Appendix H

Power spectral density

FCC Part 15.319(d) Power spectral density

Testprocedure Rev. Draft 1.1 ANSI 63.17-1998 6.1.5
 UPCS

EUT	High end UPCS handset
Model	DT590
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

Measured Maximum	4.56 dBm
Value in mW	2.857mW
Maximal permitted	limit=3mW
Test result	Verdict = PASS



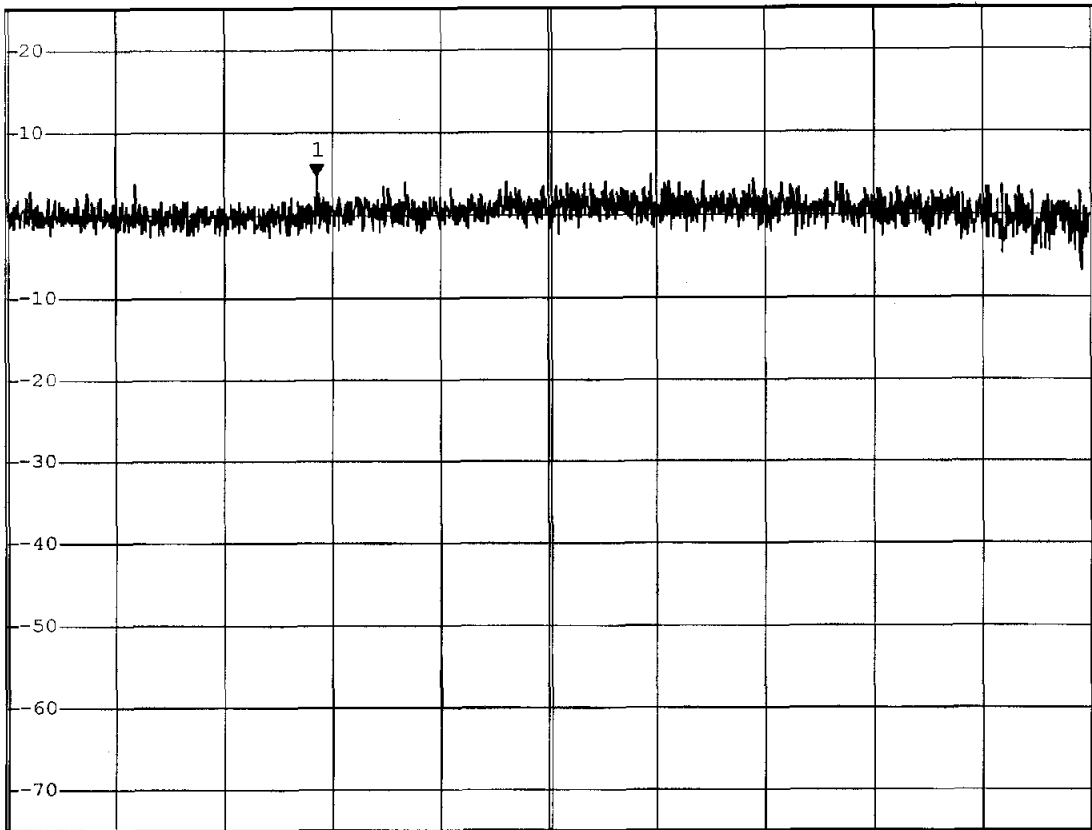
Power Spectral Densit

*RBW 3 kHz Marker 1 [T1]
 *VBW 3 kHz 4.56 dBm
 *SWT 23 s 1.921537440 GHz

Ref 25 dBm

*Att 40 dB

1 PK
 MAXH



Center 1.92153958 GHz

1 kHz/

Span 10 kHz

Comment: Ansi C63.17-1998 6.1.5
 Date: 30.AUG.2005 18:58:54

Measurement diagram



FCC Part 15.319(d) Power spectral density

**Testprocedure Rev. Draft 1.1 ANSI 63.17-1998 6.1.5
UPCS**

EUT	High end UPCS handset
Model	DT590
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

Test step 1 initial condition



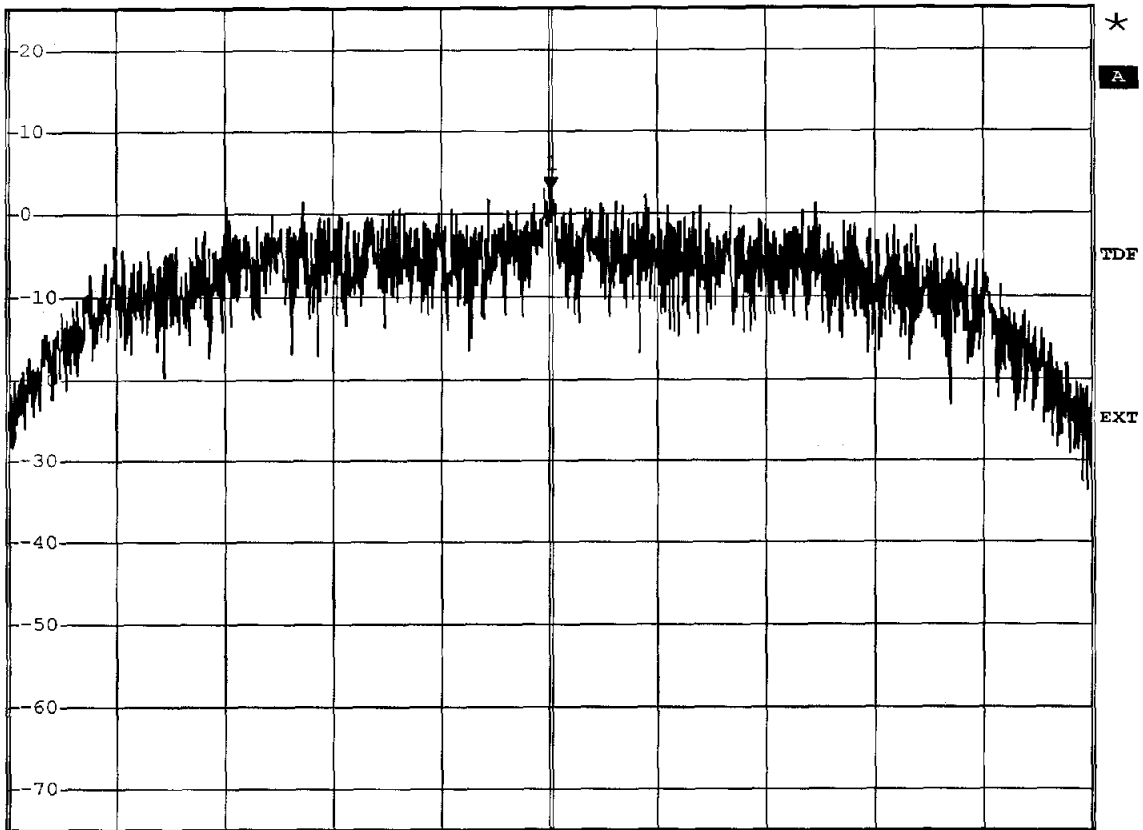
Power Spectral Densit

*RBW 3 kHz Marker 1 [T1]
 *VBW 3 kHz 2.90 dBm
 *SWT 23 s 1.921539580 GHz

Ref 25 dBm

*Att 40 dB

1 PK
MAXH



Center 1.921536 GHz

143.2 kHz/

Span 1.432 MHz

Comment: Ansi C63.17-1998 6.1.5
 Date: 30.AUG.2005 18:58:25

Measurement diagram



FCC Part 15.319(d) Power spectral density

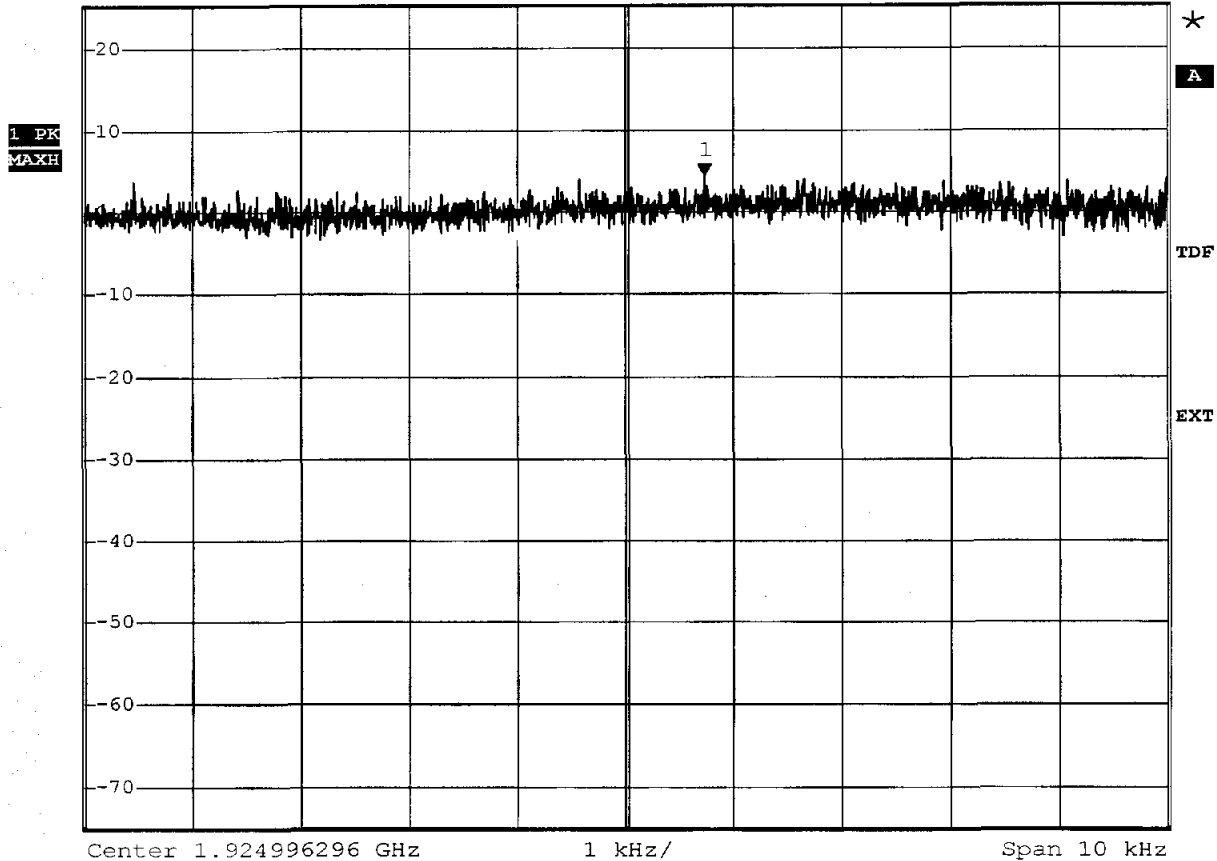
**Testprocedure Rev. Draft 1.1 ANSI 63.17-1998 6.1.5
UPCS**

EUT High end UPCS handset
 Model DT590
 Applicant RTX Telecom A/S
 Temperature 23°C
 Test Site / Operator ETS Reichenwalde
 Test Specification 6.1.5 Power spectral density

Measured Maximum 4.384 dBm
 Value in mW 2.744mW
 Maximal permitted limit=3mW
 Test result Verdict = PASS



Power Spectral Densit *RBW 3 kHz Marker 1 [T1]
 Ref 25 dBm *Att 40 dB *VBW 3 kHz 4.38 dBm
 *SWT 23 s 1.924997031 GHz



Comment: Ansi C63.17-1998 6.1.5
 Date: 30.AUG.2005 18:56:21

Measurement diagram



FCC Part 15.319(d) Power spectral density

**Testprocedure Rev. Draft 1.1 ANSI 63.17-1998 6.1.5
UPCS**

EUT	High end UPCS handset
Model	DT590
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

Test step 1 initial condition



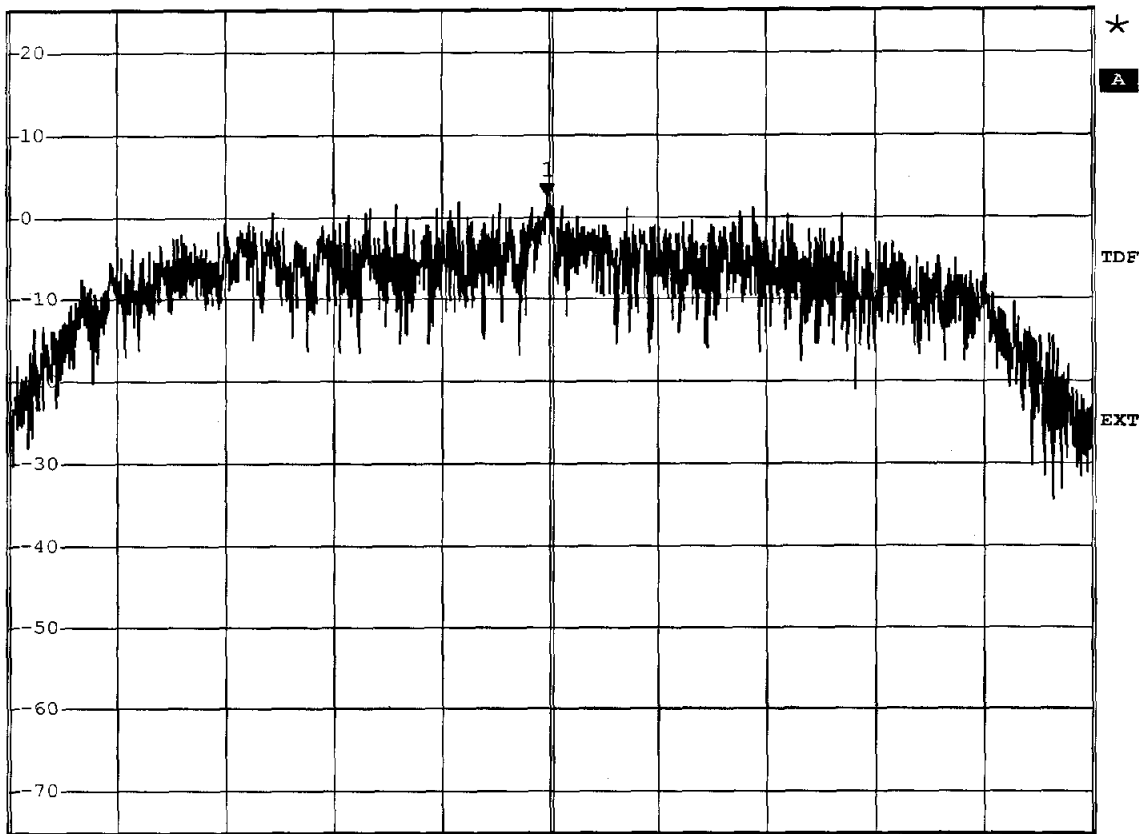
Power Spectral Densit

*RBW 3 kHz Marker 1 [T1]
 *VBW 3 kHz 2.68 dBm
 *SWT 23 s 1.924996296 GHz

Ref 25 dBm

*Att 40 dB

1 PK
MAXH



Center 1.924998444 GHz

143.2 kHz/

Span 1.432 MHz

Comment: Ansi C63.17-1998 6.1.5
 Date: 30.AUG.2005 18:55:52

Measurement diagram



FCC Part 15.319(d) Power spectral density

**Testprocedure Rev. Draft 1.1 ANSI 63.17-1998 6.1.5
UPCS**

EUT	High end UPCS handset
Model	DT590
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

Test step 1 initial condition



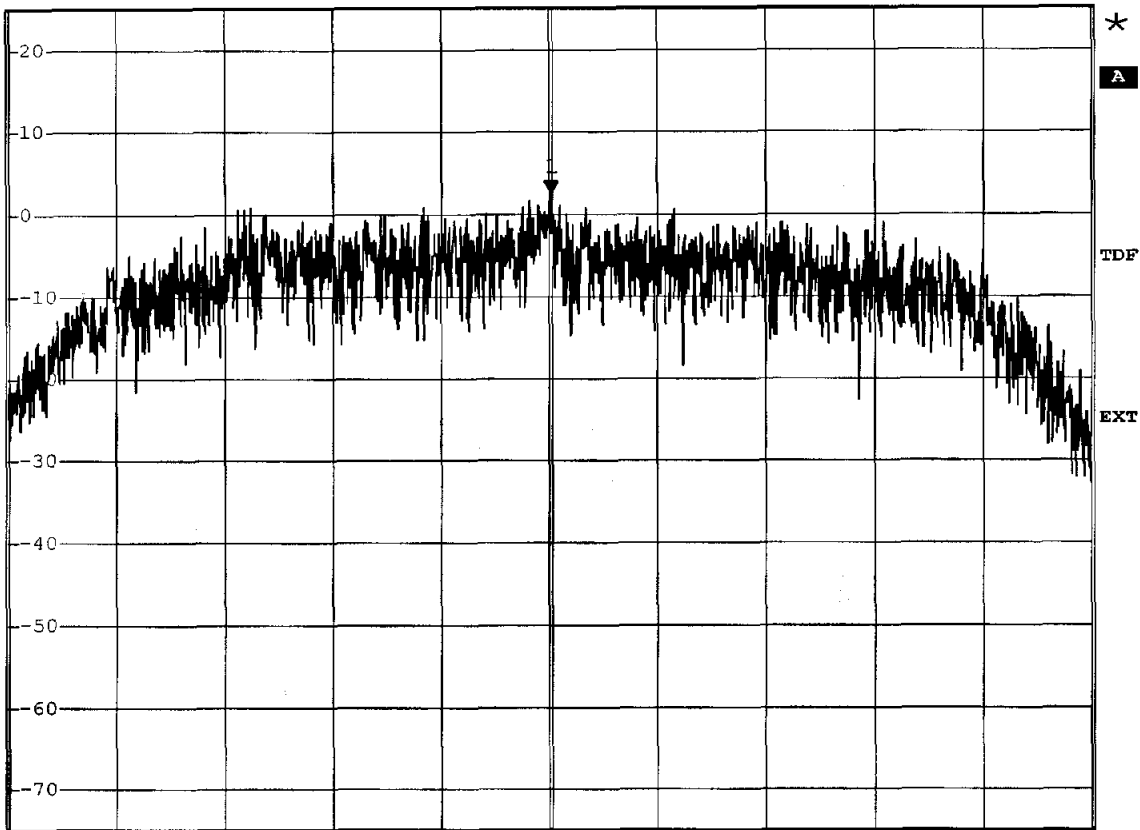
Power Spectral Densit

*RBW 3 kHz Marker 1 [T1]
 *VBW 3 kHz 2.64 dBm
 *SWT 23 s 1.928450148 GHz

Ref 25 dBm

*Att 40 dB

1 PK
MAXH



Center 1.928448 GHz

143.2 kHz/

Span 1.432 MHz

Comment: Ansi C63.17-1998 6.1.5
 Date: 30.AUG.2005 18:59:46

Measurement diagram



Appendix I

Directional gain of the antenna



Appendix J

Radio frequency radiation exposure



Appendix K

Monitoring threshold

Test case Rev. Draft 1.1 ANSI_7.3.1.1.3_upper_theshold.xml
 Date 01.09.2005 19:56:50
 Reference to the EUT G0M20506-9559 / DT590
 Comment: initial setup
 High end UPCS handset
 RTX Telecom A/S

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

Time stamp	1921.536	1923.264	1924.992	1926.720	1928.448	Comment
	MHZ	MHZ	MHz	MHz	MHz	
	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	
00:21:27.0312500	-52,1 -52,3	-52,1 -52,3	-52,1 -52,3	-52,1 -52,3	-52 -52,3	-52,4 dBm
00:21:42.7500000	-53,1 -53,5	-53,1 -53,4	-53 -53,3	-53 -53,3	-53 -53,3	-53,4 dBm
00:21:55.9218750	-54 -54,4	-52,1 -54,4	-54 -54,3	-54 -54,3	-54 -54,3	-54,4 dBm
00:22:11.9218750	-55 -55,4	-52,8 -55,3	-55 -55,3	-55 -55,3	-55 -55,4	-55,4 dBm
00:22:24.0937500	-56 -56,4	-53,4 -56,4	-55,9 -56,4	-56 -56,4	-56 -56,4	-56,4 dBm
00:22:35.5781250	-57 -57,4	-56,9 -57,4	-56,8 -57,4	-56,9 -57,4	-56,9 -57,4	-57,4 dBm
00:22:46.7031250	-57,7 -58,3	-57,8 -58,4	-57,9 -58,4	-57,9 -58,4	-57,9 -58,4	-58,4 dBm
00:22:57.4687500	-58,7 -59,3	-58,4 -59,3	-58,8 -59,3	-58,7 -59,3	-58,8 -59,4	-59,4 dBm
00:23:08.1406250	-59,6 -60,3	-59,5 -60,3	-59,8 -60,4	-59,7 -60,4	-59,8 -60,4	-60,4 dBm
00:23:20.9218750	-60,6 -61,3	-60,4 -61,3	-60,7 -61,4	-60,7 -61,4	-60,7 -61,4	-61,4 dBm
00:23:35.2343750	-61,5 -62,3	-57,7 -62,3	-61,4 -62,3	-61,6 -62,3	-61,7 -62,4	-62,4 dBm
00:23:49.7031250	-62,5 -63,5	-16,7 -36,8	-62,5 -63,4	-62,2 -63,4	-62,5 -63,5	-63,4 dBm
00:24:11.7968750	-17,2 -37,6	-44,8 -64,1	-56,9 -65,5	-62,8 -64,4	-63,2 -64,4	Upper threshold on -64,4 dBm

Log file



Appendix L

Monitoring of intended transmit window and maximum reaction time

Test case Rev. Draft 1.1 ANSI_7.5_reaction_time
 Date 08.06.2005 11:48:41
 Reference to the EUT DT590
 Comment: channel low

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

Time stamp	1921.536	1923.264	1924.992	1926.720	1928.448	Comment
	MHZ	MHZ	MHZ	MHZ	MHZ	
	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	
02:58:41.5781250	-65,1 -79,7	-49,8 -61,7	-51,3 -62,4	-59,8 -62,8	-60,6 -63,7	No interference
02:58:51.0625000	-29,5 -46,8	-17 -32,9	-29,1 -46,4	-41 -59,9	-52,6 -63,6	Test connection
02:59:05.0625000	-52,4 -69,2	-57,4 -62,1	-59,3 -62,5	-59,8 -62,8	-60,6 -63,7	50 µs
02:59:21.1875000	-39,4 -59,7	-52,2 -62	-59,2 -62,6	-59,4 -62,9	-60,4 -63,7	No connection
03:00:22.3593750	-38,5 -56,6	-51 -61,9	-60,1 -62,5	-59,2 -62,8	-60,4 -63,7	35 µs
03:00:29.7031250	-39,8 -57,2	-52,2 -62	-59,8 -62,5	-59,6 -62,8	-60,6 -63,7	No connection
03:01:19.2968750	-39,8 -57,8	-52,1 -62	-59,8 -62,5	-59,6 -62,8	-60,6 -63,7	75 µs start of slot
03:01:31.8281250	-51,1 -59,9	-57,3 -62	-59,7 -62,5	-59,4 -62,8	-60,6 -63,7	No connection
03:02:13.4062500	-39,1 -56,2	-52,2 -61,9	-59,1 -62,5	-59,8 -62,8	-60,4 -63,7	75 µs middle of slot
03:02:21.3750000	-37,9 -55,8	-50,4 -62	-59,2 -62,5	-59,7 -62,9	-60,7 -63,7	No connection
03:02:33.5064500	-39,1 -56,2	-52,2 -61,9	-59,1 -62,5	-59,8 -62,8	-60,4 -63,7	75 µs end of slot
03:02:55.6788000	-37,9 -55,8	-50,4 -62	-59,2 -62,5	-59,7 -62,9	-60,7 -63,7	No connection

Log file

Test case Rev. Draft 1.1 ANSI_7.5_reaction_time
 Date 08.06.2005 12:04:31
 Reference to the EUT DT590
 Comment: channel middle

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

Time stamp	1921.536	1923.264	1924.992	1926.720	1928.448	Comment
	MHZ	MHZ	MHZ	MHZ	MHZ	
	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	
03:10:41.1718750	-59,1 -61,8	-52,4 -62	-40,3 -60,9	-52,6 -62,8	-60,5 -63,7	No interference
03:10:49.9843750	-31,7 -50,5	-17,2 -33,4	-17 -31,1	-17 -33	-29,2 -46,5	Test connection
03:11:19.8437500	-58,9 -61,7	-52,2 -62	-39,8 -59,7	-51,8 -62,7	-60,4 -63,7	50 µs
03:11:27.2031250	-59,3 -61,8	-52,3 -62	-39,7 -59,7	-51,8 -62,7	-60,4 -63,7	No connection
03:12:12.7656250	-71,2 -81,8	-66,6 -81,4	-52,8 -73,2	-54,6 -76,9	-69,6 -81,8	35 µs
03:12:22.7343750	-71,4 -81,8	-55,5 -77,3	-40,3 -60,9	-54,3 -77,3	-71 -81,8	No connection
03:12:49.6406250	-59,3 -61,9	-58 -62,2	-52,6 -68,9	-58,6 -62,9	-60,4 -63,7	75 µs start of slot
03:12:58.5156250	-59,1 -61,9	-57,7 -62,2	-52,4 -68,9	-52,1 -62,8	-60,6 -63,7	No connection
03:13:59.1718750	-59,3 -61,9	-57,7 -62,2	-51,6 -63,5	-51,9 -62,8	-60,6 -63,7	75 µs middle of slot
03:14:09.7500000	-59,2 -61,9	-57,4 -62,2	-51,7 -63,4	-58 -62,9	-60,5 -63,7	No connection
03:14:49.6718750	-59,3 -61,9	-57,4 -62,1	-47,3 -58,3	-57,2 -62,8	-60,6 -63,7	75 µs end of slot
03:14:58	-59 -61,9	-56,7 -62,1	-47,7 -58,4	-57,9 -62,8	-60,6 -63,7	No connection

Log file

Test case Rev. Draft 1.1 ANSI_7.5_reaction_time
 Date 08.06.2005 10:58:06
 Reference to the EUT DT590
 Comment: channel high

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

Time stamp	1921.536	1923.264	1924.992	1926.720	1928.448	Comment
	MHZ	MHZ	MHZ	MHZ	MHZ	
	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	
02:05:18.1093750	-59 -61,7	-59,7 -62	-59,6 -62,2	-58,9 -63,1	-53,9 -66,5	No interference
02:05:44.1562500	-59,2 -61,7	-59,6 -62	-59,6 -62,3	-53 -63,1	-17 -33	Test connection
02:07:00.7031250	-58,9 -61,8	-59,2 -62	-59,3 -62,3	-52,8 -63,1	-39,6 -60,6	50 μ s
02:07:22.8125000	-59,2 -61,8	-59,2 -62,1	-59,2 -62,3	-57,8 -63,1	-47,3 -65,6	No connection
02:07:27.0781250	-17 -31,2	-17 -33	-29,1 -46,6	-42,1 -63,2	-50,5 -73,2	35 μ s
02:08:37.5312500	-38,5 -57,6	-50,5 -61,8	-46,3 -55,2	-55,3 -62,5	-60,4 -63,6	No connection
02:08:55.4062500	-38,5 -57,7	-49,9 -61,7	-46,2 -55,1	-55,7 -62,5	-60,3 -63,7	75 μ s start of slot
02:09:57.2656250	-38,2 -57,5	-49,9 -61,3	-46,2 -55,3	-55,4 -62,2	-60,0 -63,8	No connection
02:10:20.3281250	-57,3 -61,7	-48,7 -61,4	-46,1 -52,7	-55,2 -62,3	-60,4 -63,7	75 μ s middle of slot
02:10:37.9375000	-57,9 -61,7	-50,2 -61,4	-45,9 -52,6	-55,9 -62,3	-60,5 -63,7	No connection
02:11:38.8125000	-51,7 -61,6	-39,6 -58,5	-44,8 -54,4	-55,9 -62,4	-60,3 -63,7	75 μ s end of slot
02:11:50.4062500	-51,9 -61,6	-38,8 -57,9	-43,7 -54,3	-55,8 -62,4	-60,6 -63,7	No connection

Log file



Appendix M

Monitoring band width

Test case

Rev. Draft 1.1 ANSI 7.4.1

Date 07.06.2005 15:48:32

Reference to the EUT

DT590

Comment:

Monitoring bandwidth / 1921.536 MHz

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	
00:46:09.0312500	-81,5 -90,2	-49,6 -60,7	-60,5 -61,3	-60,6 -61,6	-61,6 -62,5	
00:46:23.1406250	-15,5 -35,8	-45,2 -60,3	-54,2 -61,3	-56,6 -61,6	-56,5 -62,4	Connection without interference
00:46:33.2968750	-50,2 -73,7	-60,1 -61	-60,5 -61,4	-60,9 -61,7	-61,6 -62,5	f -30%
00:46:46.5156250	-65,4 -86,5	-60,1 -60,9	-60,4 -61,3	-60,8 -61,6	-61,4 -62,5	No connection
00:48:06.9062500	-51,3 -75	-60,1 -60,9	-60,3 -61,3	-60,8 -61,6	-61,7 -62,5	f +30%
00:48:16.3593750	-63,8 -85,7	-60 -60,8	-60,6 -61,2	-60,7 -61,6	-61,7 -62,5	No connection

Log file

Test case Rev. Draft 1.1 ANSI 7.4.1 Monitoring bandwidth
 Date 08.06.2005 09:08:35
 Reference to the EUT DT590
 Comment: Channel 1924.992 MHz

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

Time stamp	1921.536 MHz	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	
00:17:24.2968750	-60,9 -61,5	-60,3 -61,8	-81,3 -91,1	-61,8 -62,6	-62,7 -63,5	No interference
00:18:31.7968750	-61 -62	-47,9 -70,7	-17,4 -37,1	-57,9 -62,6	-60,3 -63,4	Test connection
00:19:56.9687500	-51 -74,1	-40,1 -68,5	-52,3 -75,5	-40,7 -69,6	-53,5 -63,4	f=-30%
00:20:21.2812500	-57 -61,6	-45,5 -61	-52,8 -75,2	-43 -61,9	-58,9 -63,4	No connection
00:20:35.9218750	-50,8 -61,6	-61 -62	-52,3 -75,5	-61,7 -62,6	-62,6 -63,5	f=+30%
00:22:17.7500000	-61 -62,9	-61,1 -61,9	-68 -88,5	-61,7 -62,6	-62,6 -63,5	No connection

Log file

Test case Rev. Draft 1.1 ANSI 7.4.1 Monitoring bandwidth
 Date 08.06.2005 09:24:40
 Reference to the EUT DT590
 Comment: Channel 1928,448 MHz

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	
00:34:35.1406250	-60,6 -61,5	-61 -61,8	-61,1 -62,1	-62,2 -63	-66,1 -87,8	No interference
00:35:08.3437500	-59,4 -61,6	-59 -61,9	-55,4 -62,1	-40,5 -61,6	-17,1 -37	Test connection
00:35:17.1718750	-60,8 -61,7	-61 -62	-61,4 -62,1	-62,1 -63	-53,8 -77,1	Interference on f=-30%
00:35:39.1718750	-82,4 -91,3	-41,9 -68,1	-17,7 -37,3	-40,2 -68,5	-53,4 -76,1	No connection
00:35:39.9531250	-81,7 -91,1	-82,3 -91,2	-66,7 -87,9	-82 -91,2	-82,1 -91	Interference on f=+30%
00:36:30.0781250	-60,8 -61,5	-61,1 -61,8	-49,9 -61,8	-62 -62,9	-81,2 -90,8	No connection

Log file



Appendix N

Random waiting interval



Appendix O

Duration of Transmission

Test case Rev. Draft 1.1 ANSI_8.2.2._Transmission_duration_PP
 Date 02.09.2005 08:26:31
 Reference to the EUT G0M20506-9559 / DT590
 Comment: initial setup
 High end UPCS 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	
00:00:22.5000000	-62,2 -85,6	-54,8 -82,8	-44,1 -67,2	-16,6 -37,2	-40 -68	Transmission on channel 1
00:15:06.3593750	-64,8 -86,2	-57 -83,7	-39,7 -66,9	-16,6 -36,7	-44,3 -68,5	
00:30:06.3437500	-67,1 -86,6	-58,2 -83,4	-43 -67,5	-16,8 -37	-45,7 -68,7	
00:45:22.5000000	-17,5 -38,5	-59,3 -85,7	-75,9 -90,7	-82,2 -90,8	-81,9 -90,8	Transmission on channel 4
01:00:06.3593750	-17,2 -38,6	-59,1 -85,7	-73,7 -90,6	-82 -90,7	-81,7 -90,8	
01:15:06.3437500	-17,2 -38,7	-59,5 -85,8	-74,9 -90,5	-81,4 -90,6	-81,6 -90,7	
01:30:06.3437500	-59,9 -81,9	-17,5 -37,8	-59,2 -85,4	-74,5 -90,9	-80,6 -90,7	Transmission on channel 3
01:45:22.5000000	-59,7 -81,7	-17,5 -37,6	-58,9 -85,5	-76,2 -90,6	-81,5 -90,8	
02:00:06.3593750	-59,8 -81,8	-17,6 -38,5	-59,2 -85,8	-78,6 -90,5	-81,5 -90,6	

Log file



Appendix P

Connection acknowledgement

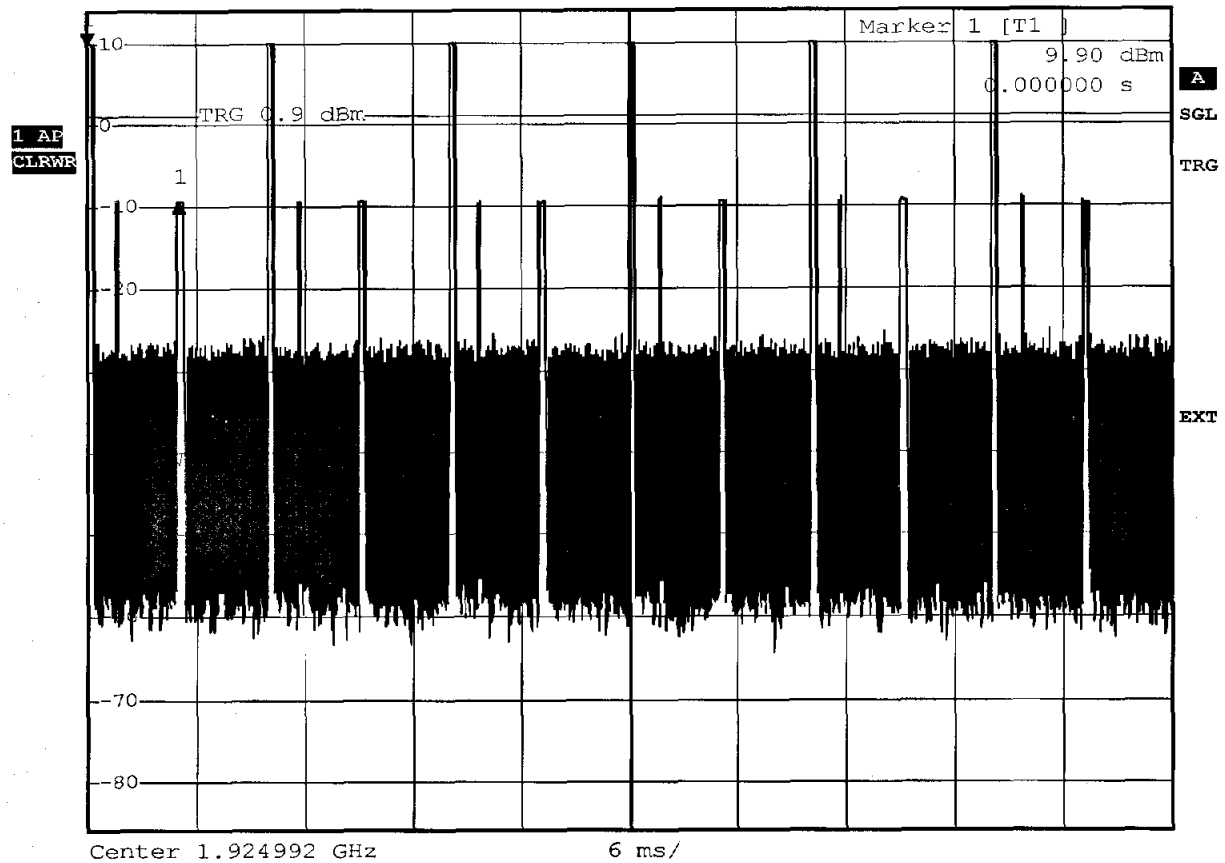


ANSI 8.2.1 Acknowledgments
1 sec. criteria

EUT	High end UPCS handset
Model	DT590
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS
Test Specification	ANSI C63.17-1998 Revision Draft 1.1
Comment 1	The transmit time without acknowledgment is 5 msec.
Comment 2	limit 1 se.
Comment 3	verdict pass



DELTA MARKER 1		RBW 3 MHz	Delta 1 [T1]
5.04 ms		VBW 10 MHz	-19.50 dB
Ref 14 dBm	Att 50 dB	SWT 60 ms	5.040000 ms



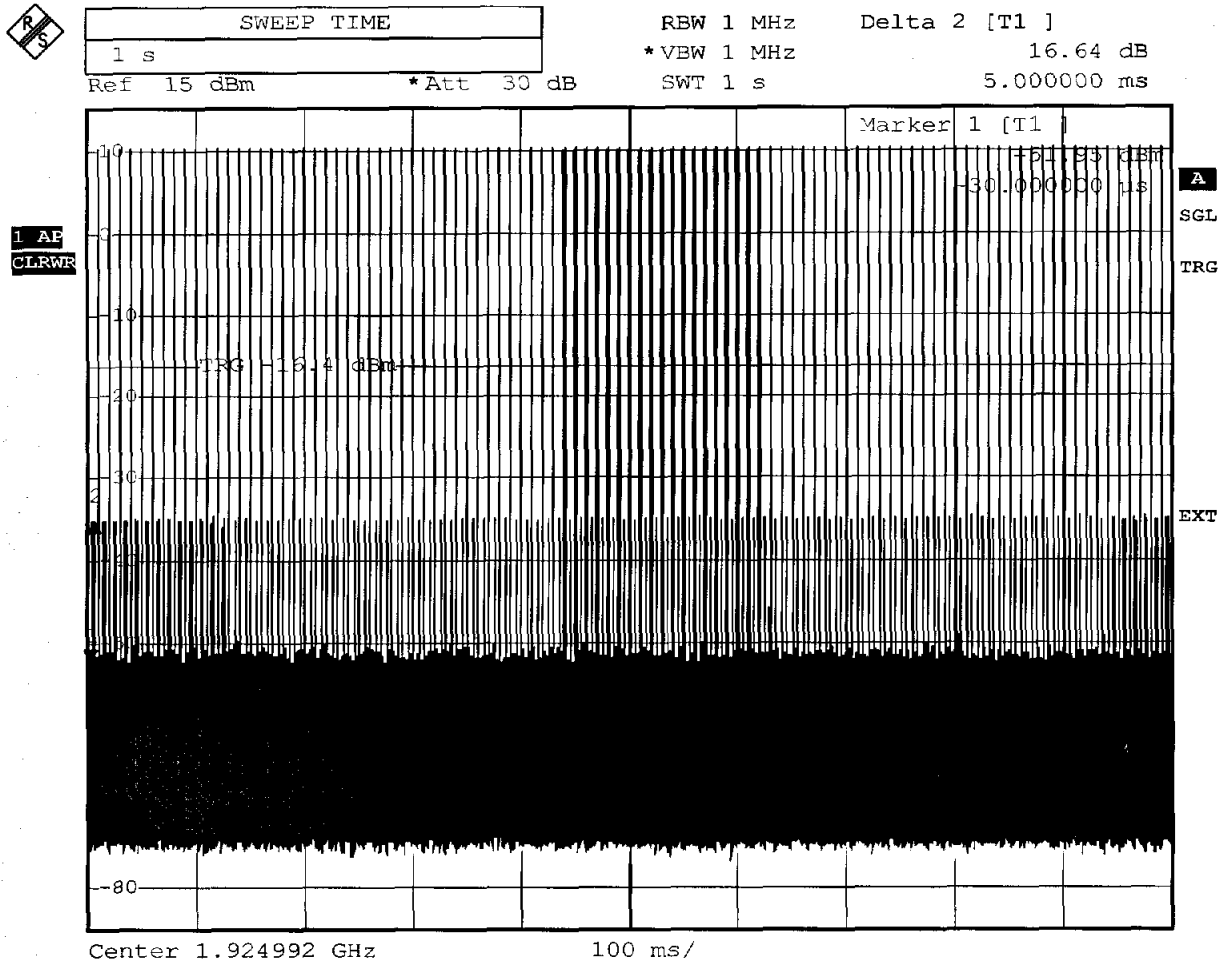
Comment: 8.2.1. Acknowledgments
Date: 7.JUN.2005 09:34:55

Measurement diagram



ANSI 8.2.1 Acknowledgments
1 sec. criteria

EUT	High end UPCS handset
Model	DT590
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS
Test Specification	ANSI C63.17-1998 Revision Draft 1.1
Comment 1	The transmit time without acknowledgment is 5 msec.
Comment 2	limit 1 se.
Comment 3	verdict pass



Comment: ANSI C63.17-1998
Date: 29.AUG.2005 17:36:03

Measurement diagram



ANSI 8.2.1 Acknowledgments
UPCS1900

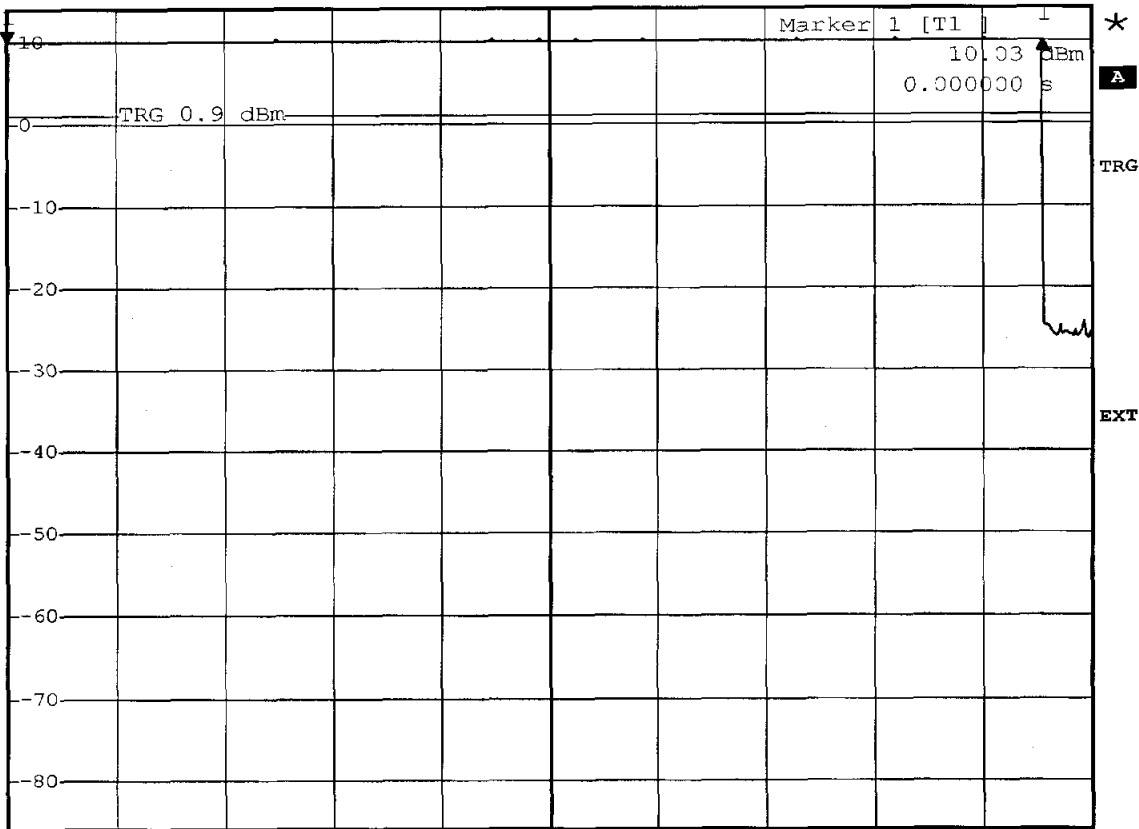
EUT	High end UPCS handset
Model	DT590
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS
Test Specification	ANSI C63.17-1998 Revision Draft 1.1
Comment 1	The EUT terminate its transmissions after 4.78 sec.
Comment 2	limit 30 se.
Comment 3	verdict pass



DELTA MARKER 1	
4.78 s	
Ref 14 dBm	Att 50 dB

RBW 3 MHz Delta 1 [T1]
 VBW 10 MHz 0.00 dB
 SWT 5 s 4.780000 s

1 PK
 MAXH



Center 1.924992 GHz 500 ms/

Comment: 8.2.1. Acknowledgments
 Date: 7.JUN.2005 09:05:03

Measurement diagram



Appendix Q

Selected channel confirmation, power accuracy, segment occupancy

Test case
confirmation.xml

Rev. Draft 1.1 ANSI_7.3.1.2_selected channel

Reference to the EUT

Date 01.09.2005 21:33:31
G0M20506-9559 / DT590

Comment:

initial setup

High end UPCS 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 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	
02:01:11.0468750	-81,1 -90,6	-80,6 -90,8	-81,7 -90,6	-81,3 -90,7	-79,7 -90,6	Interference off
02:01:18.3593750	-54,9 -55,2	-54,5 -54,9	-54,2 -54,6	-66,9 -68,3	-60,4 -61	Interference off
02:01:54.9062500	-54,8 -55,3	-54,6 -55	-54,3 -54,7	-66,5 -68,3	-80,9 -90,7	f2 switch off
02:02:05.7500000	-54,9 -55,3	-54,5 -55	-54 -54,6	-60,1 -68,2	-17,3 -38,1	Connection on f2
02:02:06.8437500	-54,9 -55,3	-54,5 -55	-51 -54,6	-16,7 -37,9	-57 -61	f2 switch on, connection on f1

Log file



Appendix R

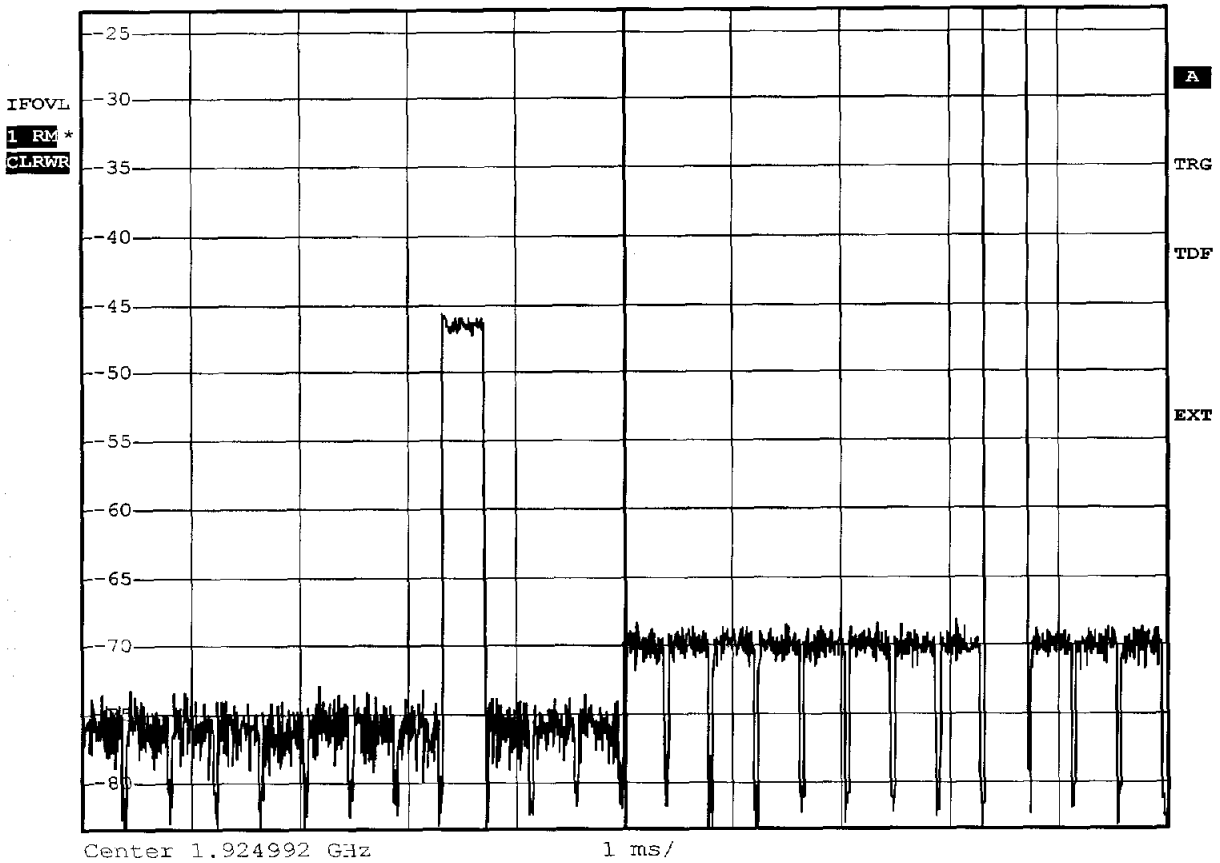
Duplex connections

ANSI 8.2.3 Duplex connections
 Rx=l.c.t +6 dB, Tx=l.c.t.+13 dB

EUT	High end UPCS handset
Model	DT590
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS
Test Specification	ANSI C63.17-1998 Revision Draft 1.1
Comment 1	Connection established in the Interference free time slot
Comment 2	
Comment 3	verdict pass



SWEEP TIME		RBW 1 MHz
10 ms		*VBW 1 MHz
Ref -23.4 dBm	Att 10 dB	SWT 10 ms



Comment: 8.2.1. Duplex connections
 Date: 7.JUN.2005 13:02:53

Measurement diagram

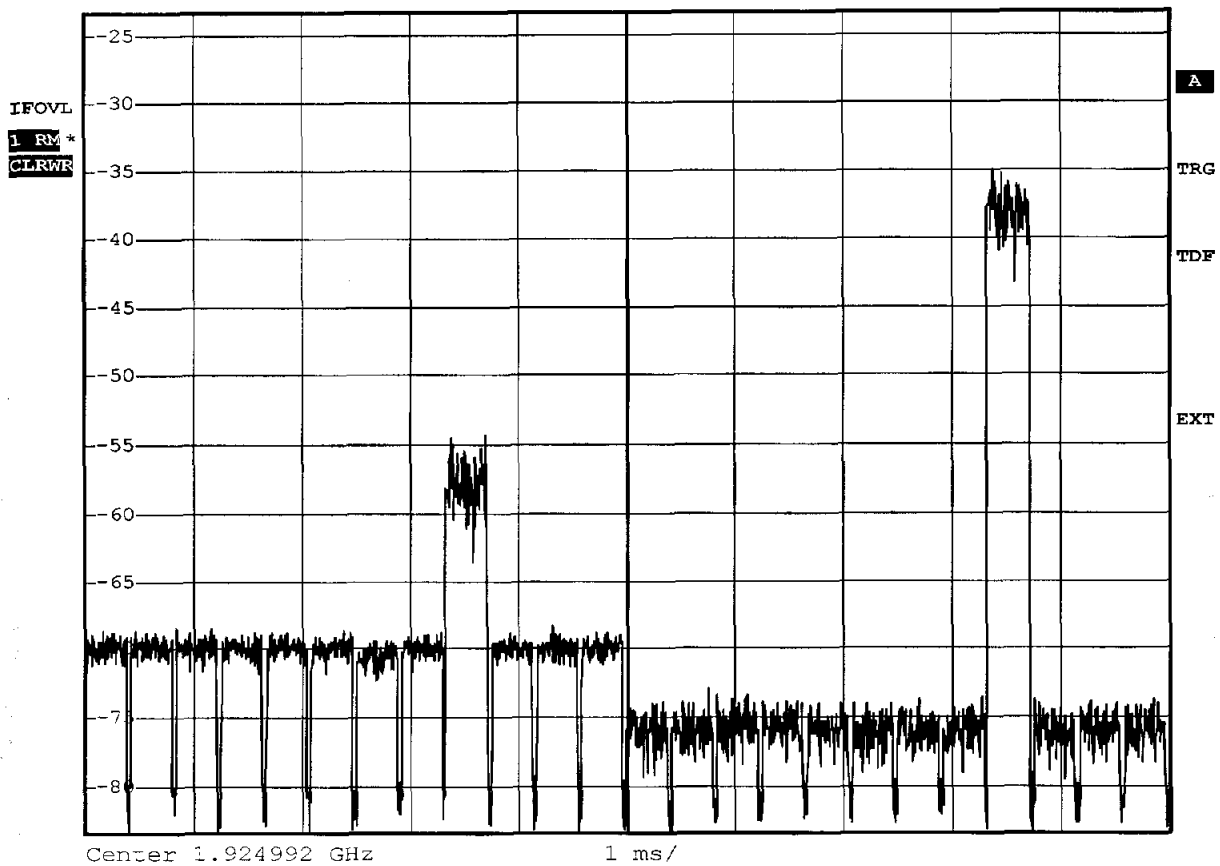
ANSI 8.2.3 Duplex connections
 Rx=l.c.t.+13 dB, Tx=l.c.t. +6 dB

EUT	High end UPCS handset
Model	DT590
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS
Test Specification	ANSI C63.17-1998 Revision Draft 1.1
Comment 1	Connection established in the Interference free time slot
Comment 2	
Comment 3	verdict pass



SWEEP TIME	
10 ms	
Ref -23.4 dBm	Att 10 dB

RBW 1 MHz
 *VEW 1 MHz
 SWT 10 ms



Comment: 8.2.1._Duplex_connections
 Date: 7.JUN.2005 12:54:05

Measurement diagram

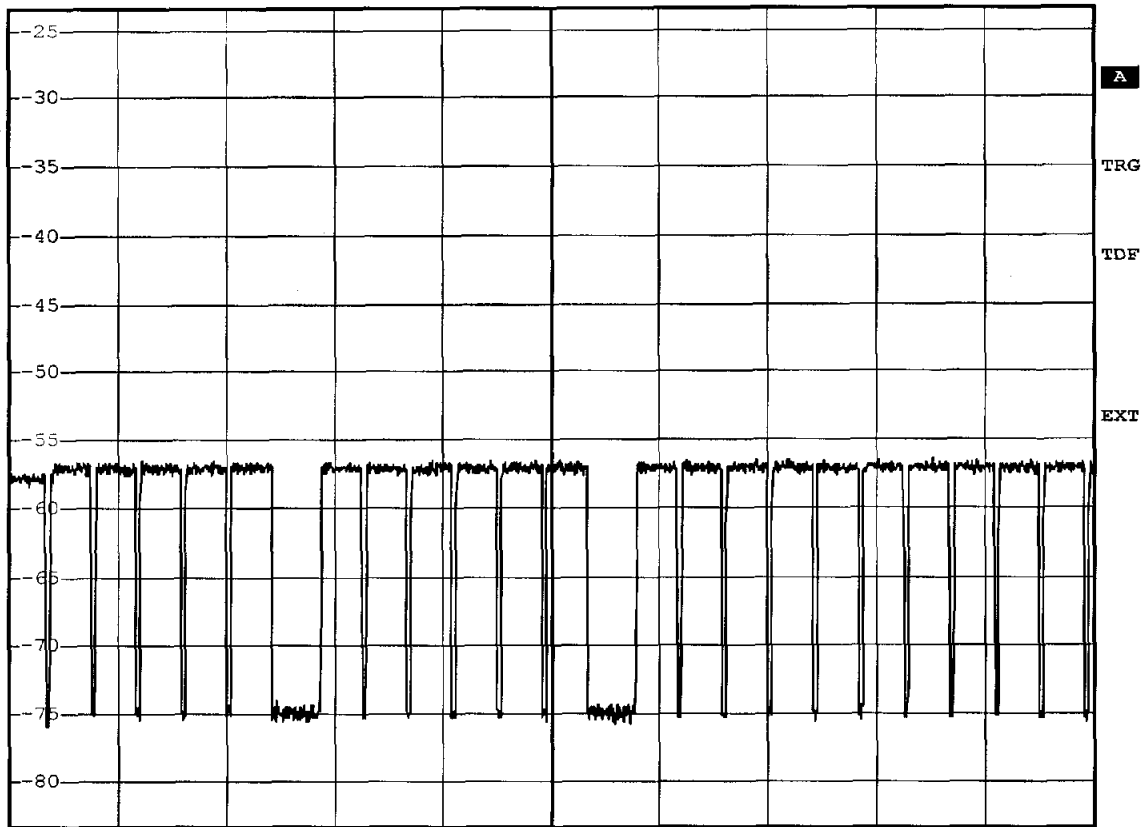
ANSI 8.2.3 Duplex connections
Rx=u.c.t +6 dB, Rx=u.c.t +6 dB

EUT	High end UPCS handset
Model	DT590
Applicant	RTX Telecom A/S
Temperature	23°C
Test Site / Operator	ETS
Test Specification	ANSI C63.17-1998 Revision Draft 1.1
Comment 1	No connection established in the interference free time slot.
Comment 2	The slot pair are not a duplex slot pair.
Comment 3	verdict pass



REFERENCE LEVEL	RBW 1 MHz
-23.4 dBm	*VBW 1 MHz
Ref -23.4 dBm	SWT 10 ms
Att 10 dB	

1 RN *
CLRWR



Center 1.924992 GHz 1 ms/

Comment: 8.2.1._Duplex_connections
 Date: 7.JUN.2005 13:24:19

Measurement diagram