



## **Appendix B**

Coordination with fixed microwave service

# UTAM, Inc.

## SECTION 15.307(b) AFFIDAVIT

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

KIRK Telecom, A/S

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 12th day of July, 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 #: KIRK071205



## Appendix C

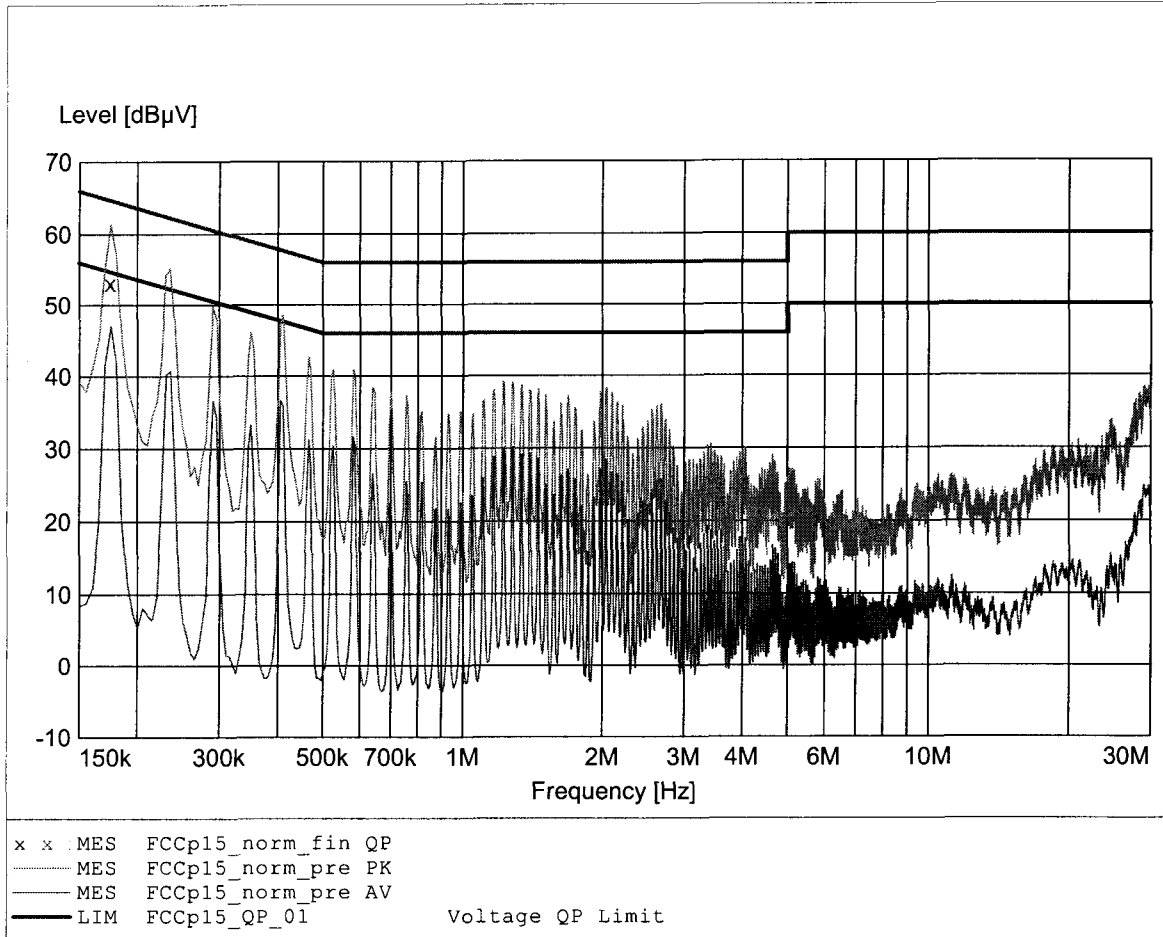
Reference to Subpart B

## Appendix D

Conducted limits AC Power line

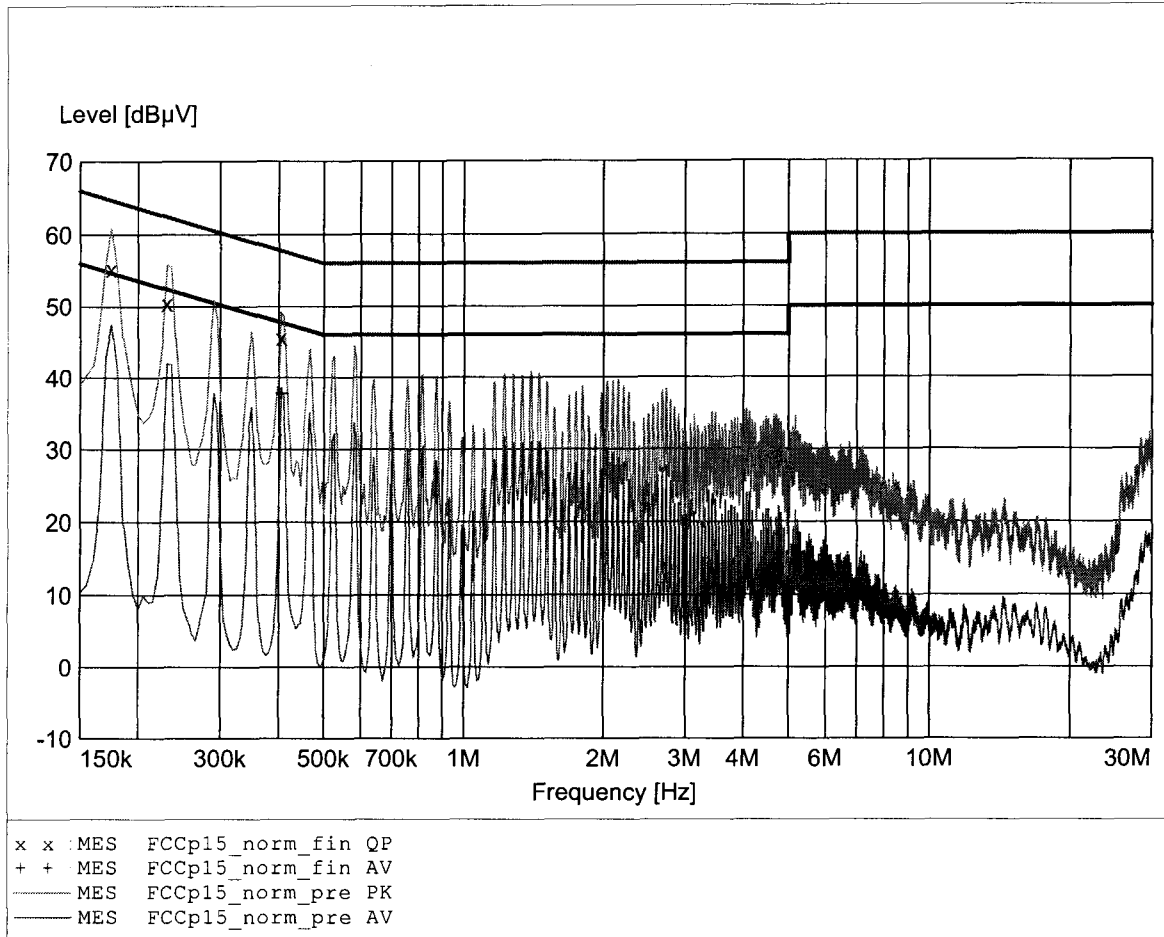
**EMI voltage test in the ac-mains according to FCC part 15**

EUT: DECT PP, Portable Part  
Manufacturer: KIRK telecom A/S  
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: PP6N20 1G9 AC/DC-Adapter: UE06LU-080035SPC  
mode: charging



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

EUT: DECT PP, Portable Part  
Manufacturer: KIRK telecom A/S  
Operating Condition: Unom: 120 V AC (AC/DC-adaptor), Thom: 23°C  
Test Site: ETS  
Operator: Mr. Pflug  
Test Specification: V-Network: ESH2-Z5 (N)  
Comment: model: PP6N20 1G9 AC/DC-Adapter: UE06LU-080035SPC  
mode: charging



## Appendix E

Emission bandwidth

## FCC Part 15.303(b) Emission bandwidth

### Testprocedure ANSI 63.17-1998 6.1.3 UPCS

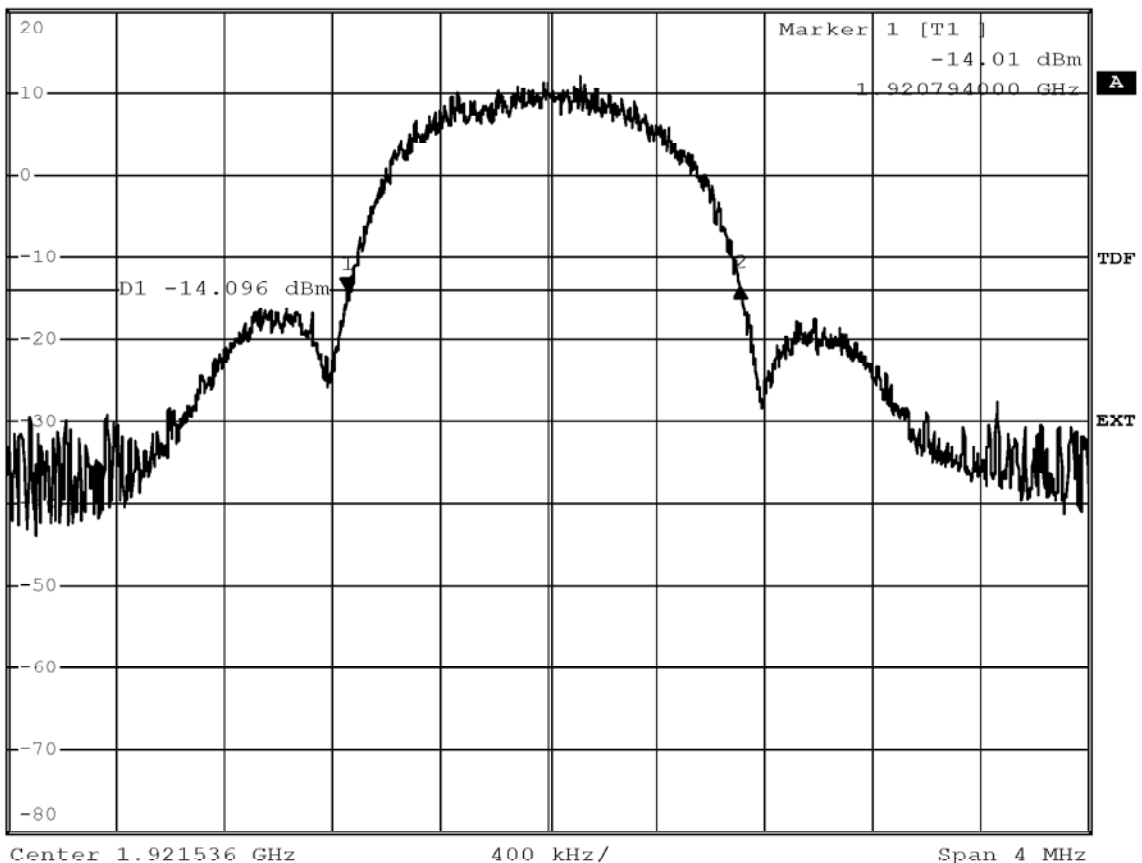
EUT	DECT PP, Portable Part
Model	PP6N20 1G9
Applicant	KIRK telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.3 Emission bandwidth
Measured Bandwidth	Emission Bandwidth = 1.45MHz
Max. Permitted Power	Limit = 2.5 MHz
Test result	Verdict = PASS



Emission Bandwidth

\*RBW 10 kHz    Delta 2 [T1 ]  
 \*VBW 30 kHz                    0.30 dB  
 Ref 20 dBm            \*Att 30 dB            SWT 40 ms            1.452000000 MHz

1 PK  
MAXH



Comment: Ansi C63.17-1998 6.1.3  
 Date: 27.SEP.2006 11:43:46

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 : 1921.044MHz  
Higher frequency : 1921.954MHz

-12 dB points

Lower frequency : 1920.934MHz  
Higher frequency : 1922.12MHz

## FCC Part 15.303(b) Emission bandwidth

### Testprocedure ANSI 63.17-1998 6.1.3 UPCS

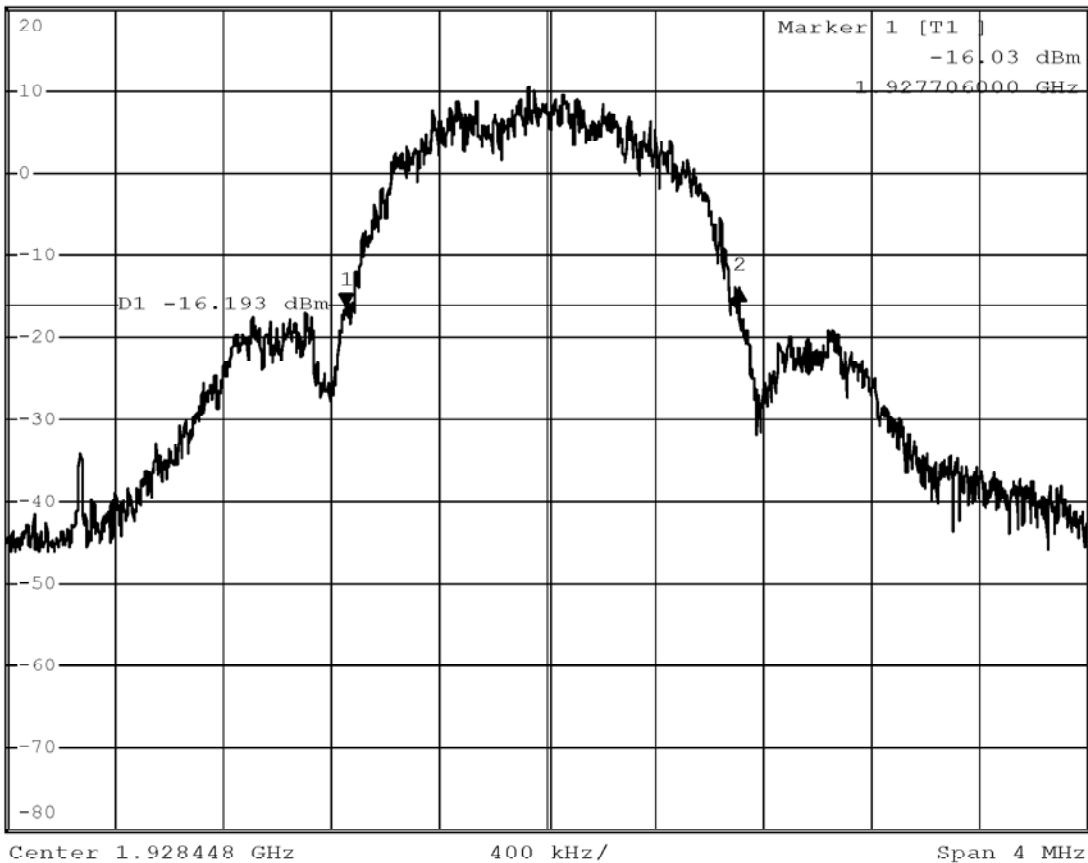
EUT	DECT PP, Portable Part
Model	PP6N20 1G9
Applicant	KIRK telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.3 Emission bandwidth
Measured Bandwidth	Emission Bandwidth = 1.46MHz
Max. Permitted Power	Limit = 2.5 MHz
Test result	Verdict = PASS



Emission Bandwidth

\*RBW 10 kHz    Delta 2 [T1 ]  
 \*VBW 30 kHz                    1.79 dB  
 \*Att 30 dB                    SWT 40 ms                    1.456000000 MHz

Ref 20 dBm



Comment: Ansi C63.17-1998 6.1.3  
 Date: 27.SEP.2006 11:51:27

Measurement diagram

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

-6 dB points

Lower frequency : 1927.986MHz  
Higher frequency : 1928.852MHz

-12 dB points

Lower frequency : 1927.836MHz  
Higher frequency : 1929.02MHz

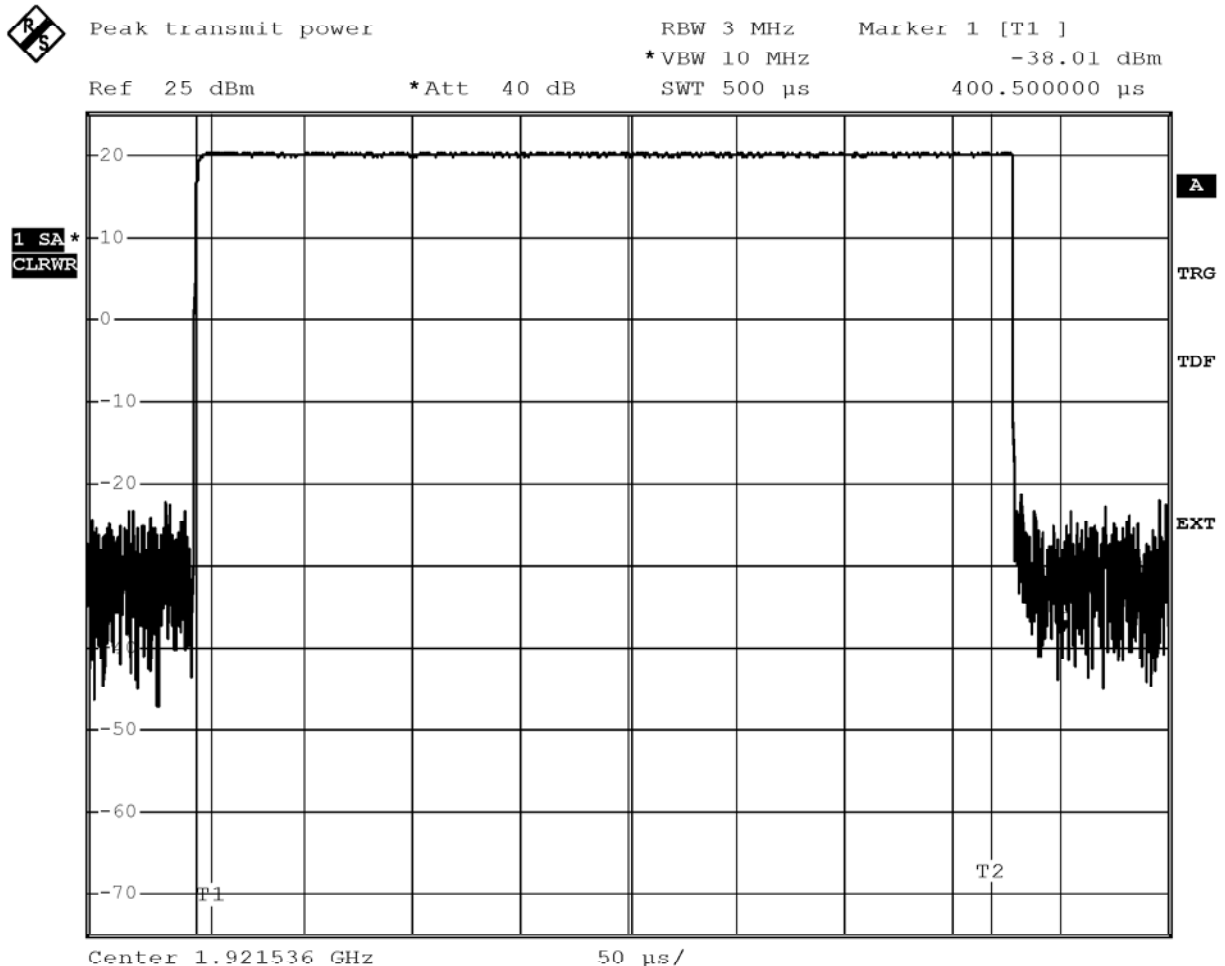
## Appendix F

Peak Transmit Power

## FCC Part 15.319(c) Peak Transmit Power limit

### Testprocedure ANSI 63.17-1998 6.1.2 UPCS

EUT	DECT PP, Portable Part
Model	PP6N20 1G9
Applicant	KIRK telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	
Measured Bandwidth	1.456MHz
Max. Permitted Power	20,81 dBm
Measured Power	20,22 dBm
Test result	Verdict = PASS



Comment: Ansi C63.17-1998 6.1.2  
Date: 27.SEP.2006 11:56:11

Measurement diagram

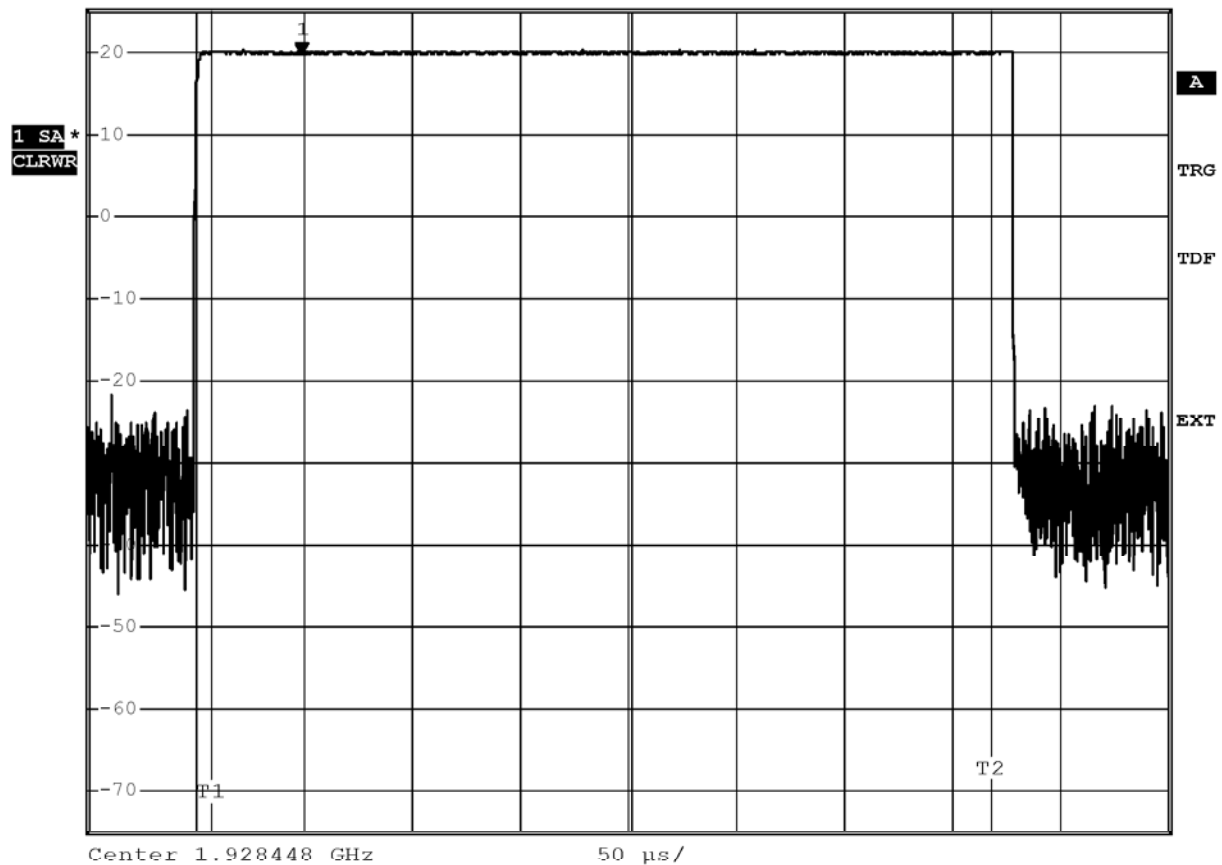
## FCC Part 15.319(c) Peak Transmit Power limit

### Testprocedure ANSI 63.17-1998 6.1.2 UPCS

EUT	DECT PP, Portable Part
Model	PP6N20 1G9
Applicant	KIRK telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	
Measured Bandwidth	1.456MHz
Max. Permitted Power	20,81 dBm
Measured Power	20,04 dBm
Test result	Verdict = PASS



Peak transmit power RBW 3 MHz Marker 1 [T1 ]  
 Ref 25 dBm \*Att 40 dB \*VBW 10 MHz 19.74 dBm  
 SWT 500 µs 49.250000 µs



Comment: Ansi C63.17-1998 6.1.2  
 Date: 27.SEP.2006 11:53:17

Measurement diagram

## Appendix G

Power spectral density

### FCC Part 15.319(d) Power spectral density

#### Testprocedure ANSI 63.17-2006 6.1.5 UPCS

EUT	DECT PP, Portable Part
Model	PP6N20 1G9
Applicant	KIRK telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density
Peak Frequency in MHz	1921,568000 MHz
Total pulse energy in mW	0,000253 mW
Wideband pulse duration in ms	0,378500 ms
PSD in mW	0,6689 mW
PSD in dBm	-1,7463 dBm

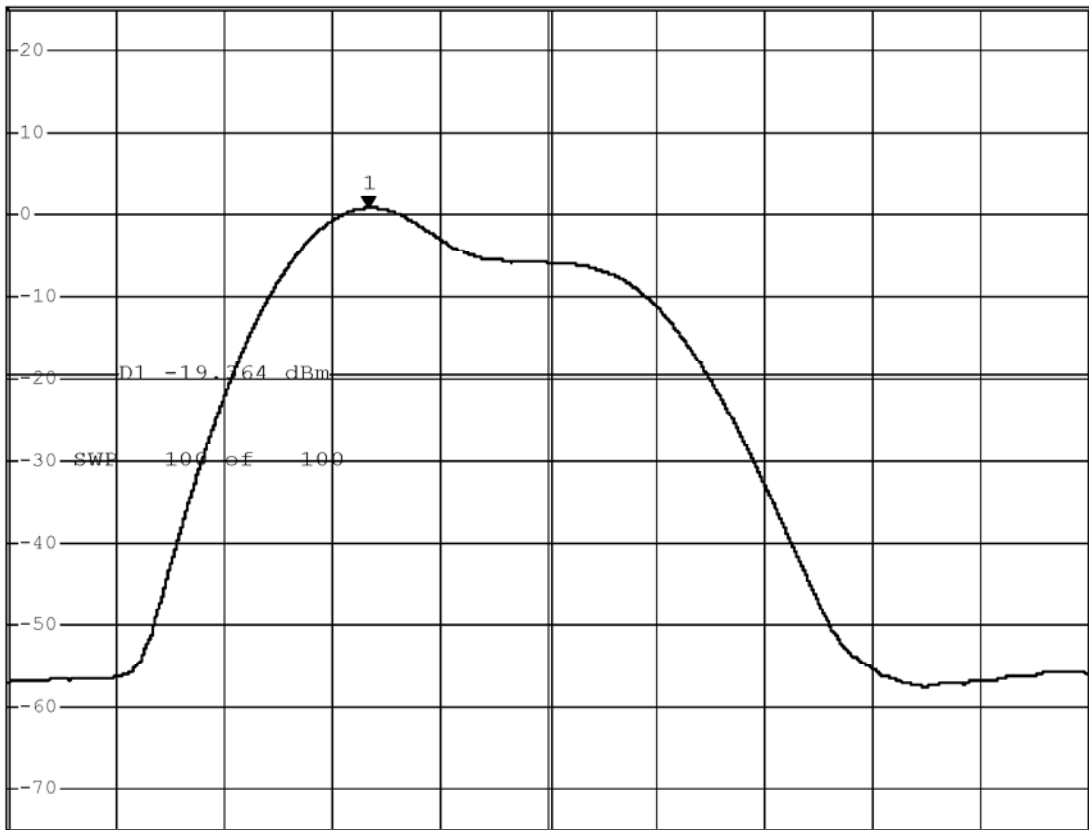
Pass criteria: PSD is less than 3mW Verdict = PASS



Power Spectral Densit

RBW 3 kHz Marker 1 [T1 ]  
 \*VBW 10 kHz 0.64 dBm  
 Ref 25 dBm \*Att 40 dB SWT 1.514 ms 504.729750 μs

1 SA  
AVG



Center 1.921568 GHz 151.4 μs/

Comment: Ansi C63.17-2006 6.1.5  
 Date: 27.SEP.2006 12:41:44

Measurement diagram

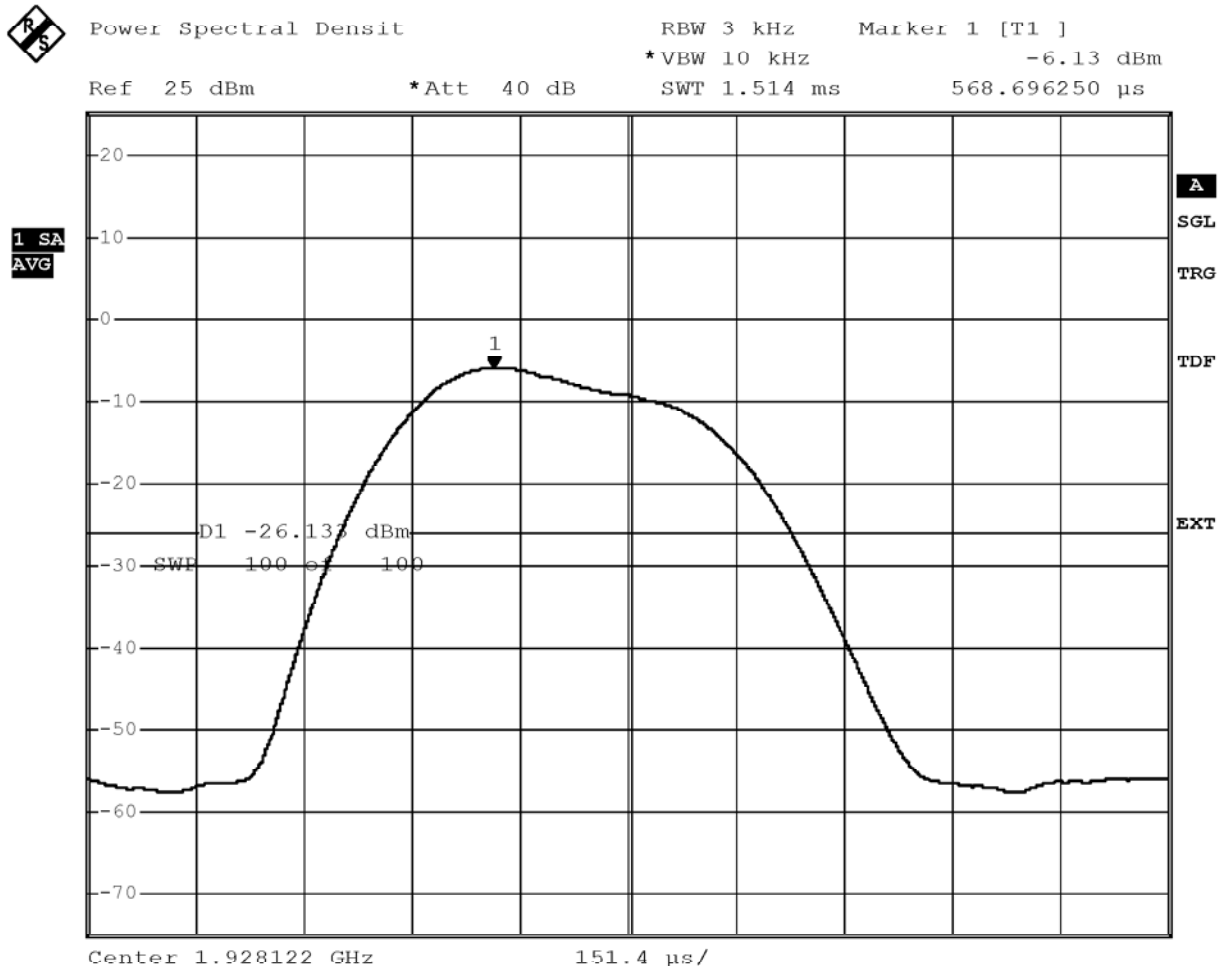


### FCC Part 15.319(d) Power spectral density

#### Testprocedure ANSI 63.17-2006 6.1.5 UPCS

EUT	DECT PP, Portable Part
Model	PP6N20 1G9
Applicant	KIRK telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density
Peak Frequency in MHz	1928,122000 MHz
Total pulse energy in mW	0,000067 mW
Wideband pulse duration in ms	0,378500 ms
PSD in mW	0,1782 mW
PSD in dBm	-7,4905 dBm

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



Comment: Ansi C63.17-2006 6.1.5  
Date: 27.SEP.2006 12:46:55

Measurement diagram

## Appendix H

Directional gain of the antenna



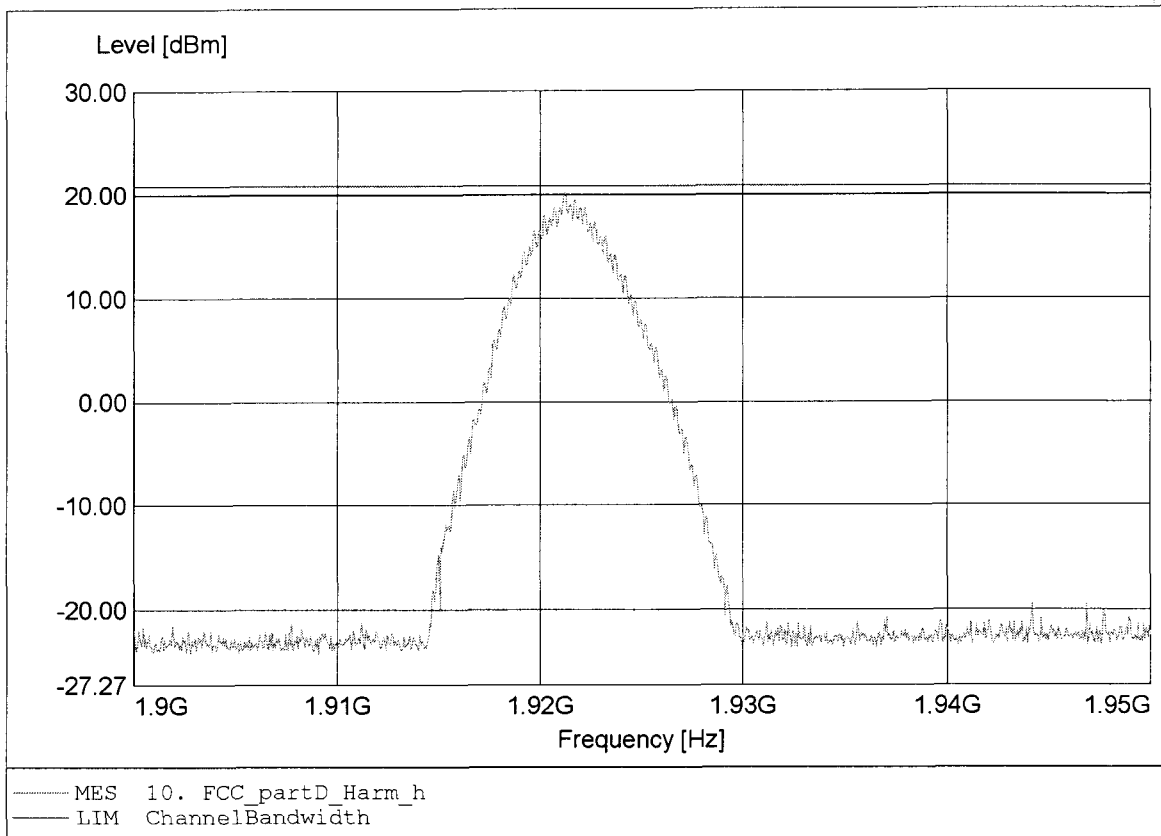
## Appendix I

Radio frequency radiation exposure

**Peak Transmit Power, Radiated**

**FCC RULES PART 15, SUBPART D**

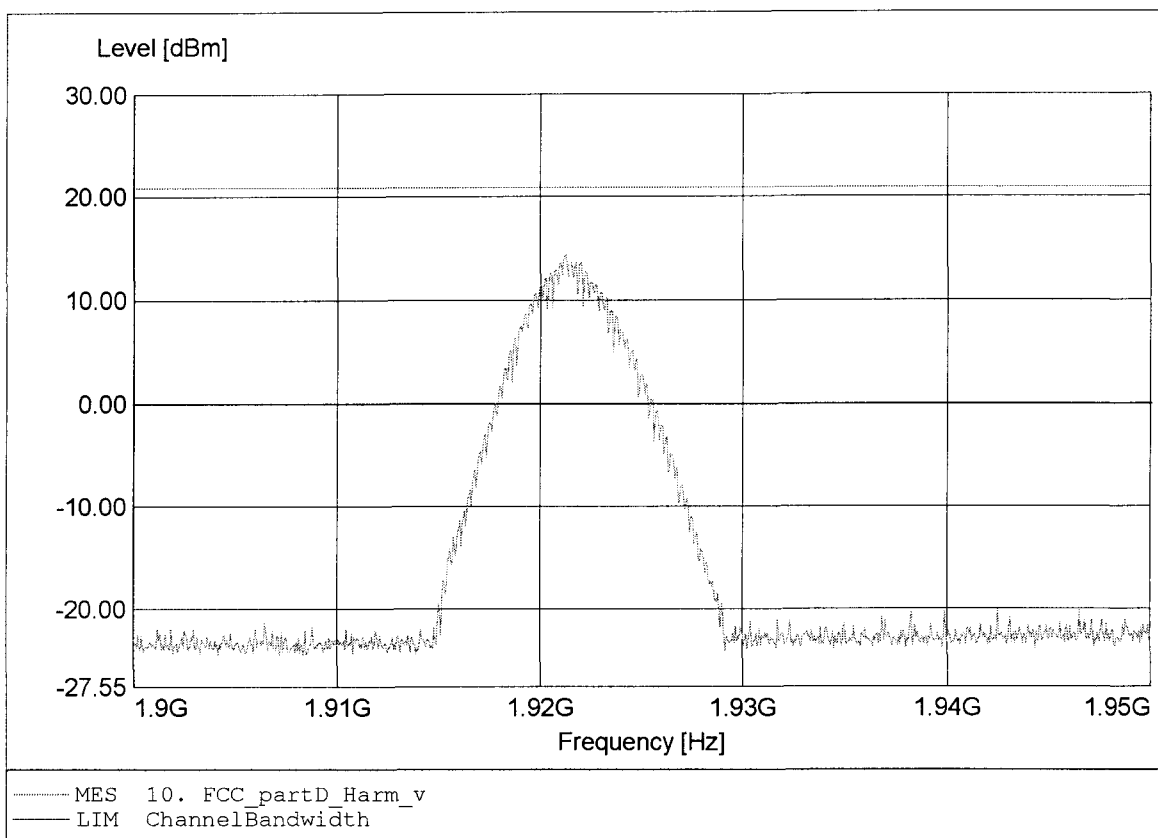
Approval Holder: KIRK telecom A/S  
EUT: DECT PP, Portable Part  
Model /Ch. /Ant.: PP6N20 1G9 / 4 / 0  
Test Site / Operator: ETS / Mr. Handrik  
Test Conditions: 23°C / Unom: 3.7 VDC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 025,  
Comment 2: Freq:1.921GHz Pmax:20.31dBm RBW: 5 MHz



**Peak Transmit Power, Radiated**

**FCC RULES PART 15, SUBPART D**

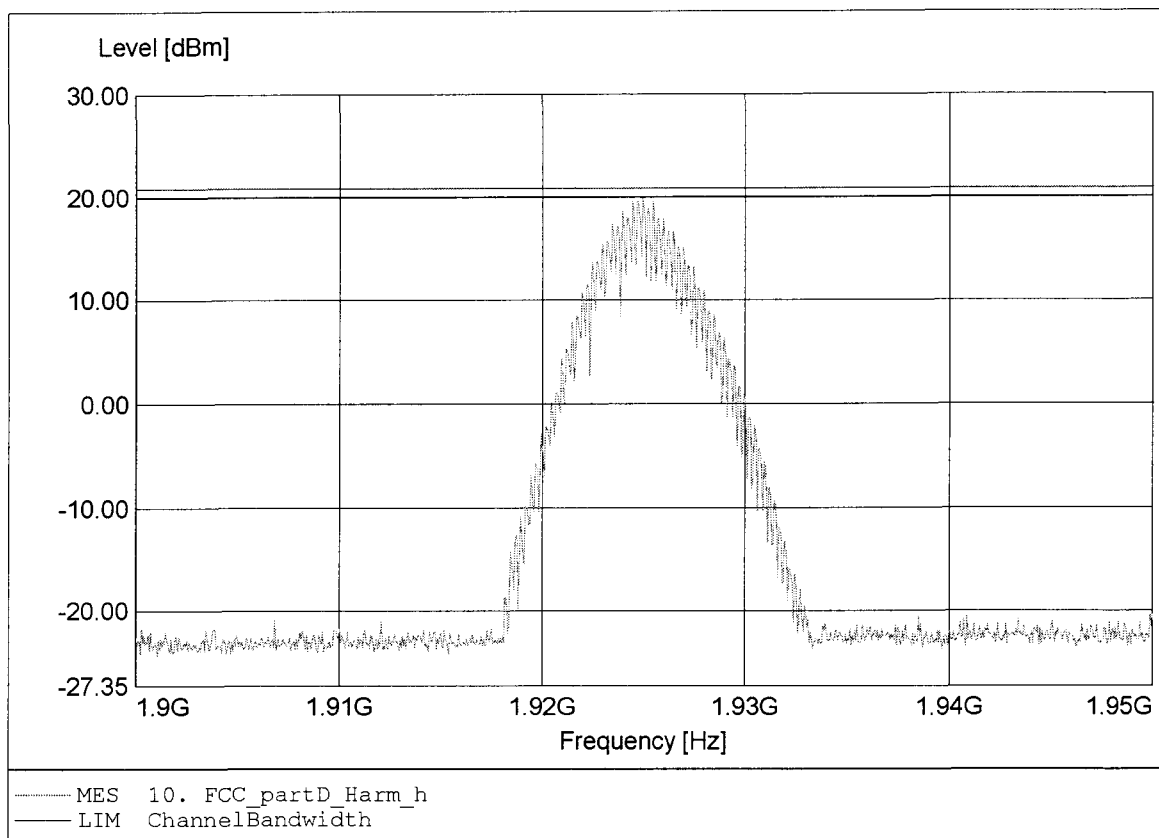
Approval Holder: KIRK telecom A/S  
EUT: DECT PP,Portable Part  
Model /Ch. /Ant.: PP6N20 1G9 / 4 / 0  
Test Site / Operator: ETS / Mr. Handrik  
Test Conditions: 23°C / Unom: 3.7 VDC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 025,  
Comment 2: Freq:1.921GHz Pmax:14.30dBm RBW: 5 MHz



**Peak Transmit Power, Radiated**

**FCC RULES PART 15, SUBPART D**

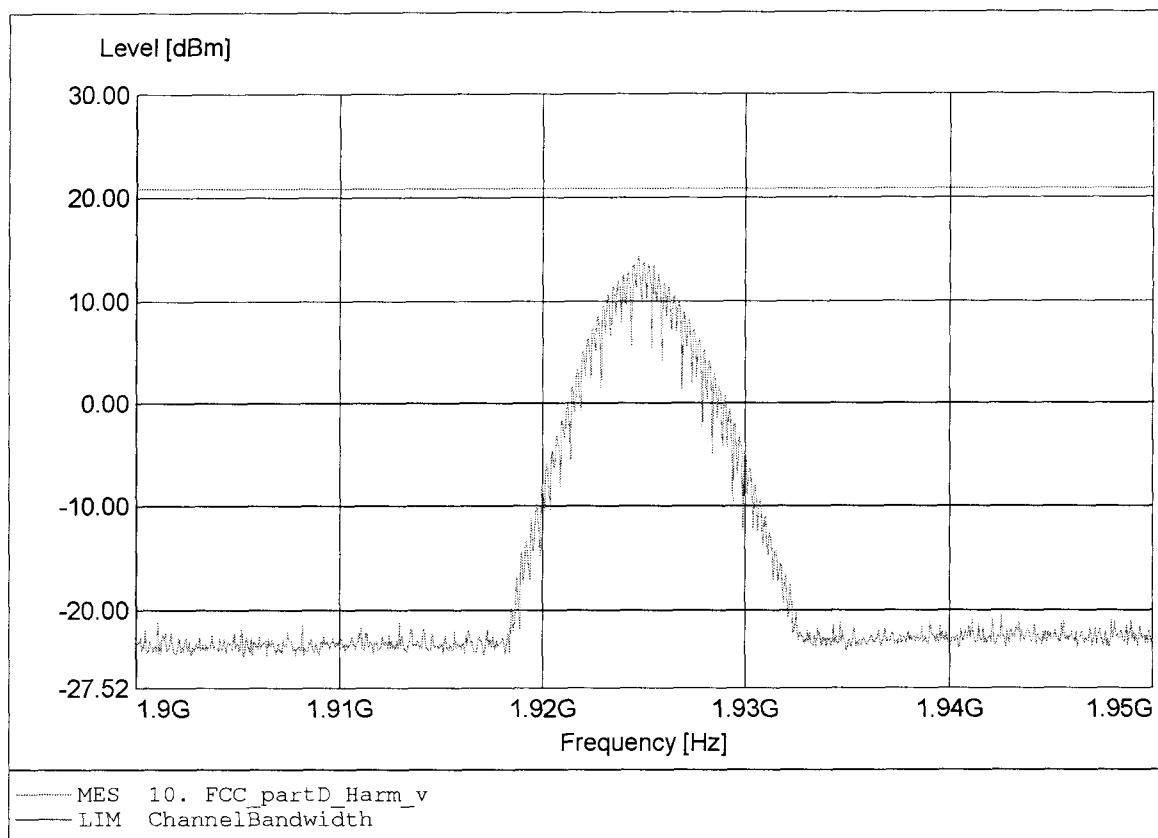
Approval Holder: KIRK telecom A/S  
EUT: DECT PP, Portable Part  
Model /Ch. /Ant.: PP6N20 1G9 / 2 / 0  
Test Site / Operator: ETS / Mr. Handrik  
Test Conditions: 23°C / Unom: 3.7 VDC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 025,  
Comment 2: Freq:1.925GHz Pmax:19.81dBm RBW: 5 MHz



**Peak Transmit Power, Radiated**

**FCC RULES PART 15, SUBPART D**

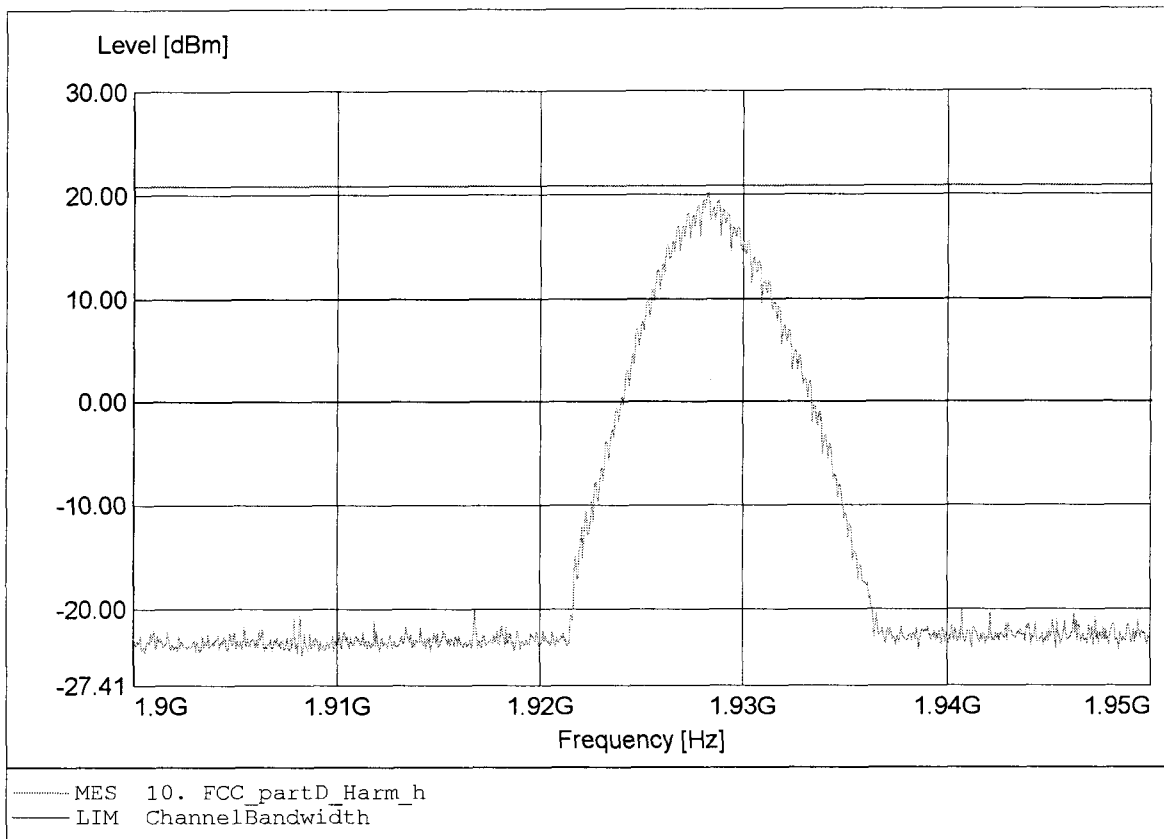
Approval Holder: KIRK telecom A/S  
EUT: DECT PP, Portable Part  
Model /Ch. /Ant.: PP6N20 1G9 / 2 / 0  
Test Site / Operator: ETS / Mr. Handrik  
Test Conditions: 23°C / Unom: 3.7 VDC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 025,  
Comment 2: Freq:1.925GHz Pmax:14.39dBm RBW: 5 MHz



**Peak Transmit Power, Radiated**

**FCC RULES PART 15, SUBPART D**

Approval Holder: KIRK telecom A/S  
EUT: DECT PP, Portable Part  
Model /Ch. /Ant.: PP6N20 1G9 / 0 / 0  
Test Site / Operator: ETS / Mr. Handrik  
Test Conditions: 23°C / Unom: 3.7 VDC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 025,  
Comment 2: Freq:1.928GHz Pmax:20.13dBm RBW: 5 MHz

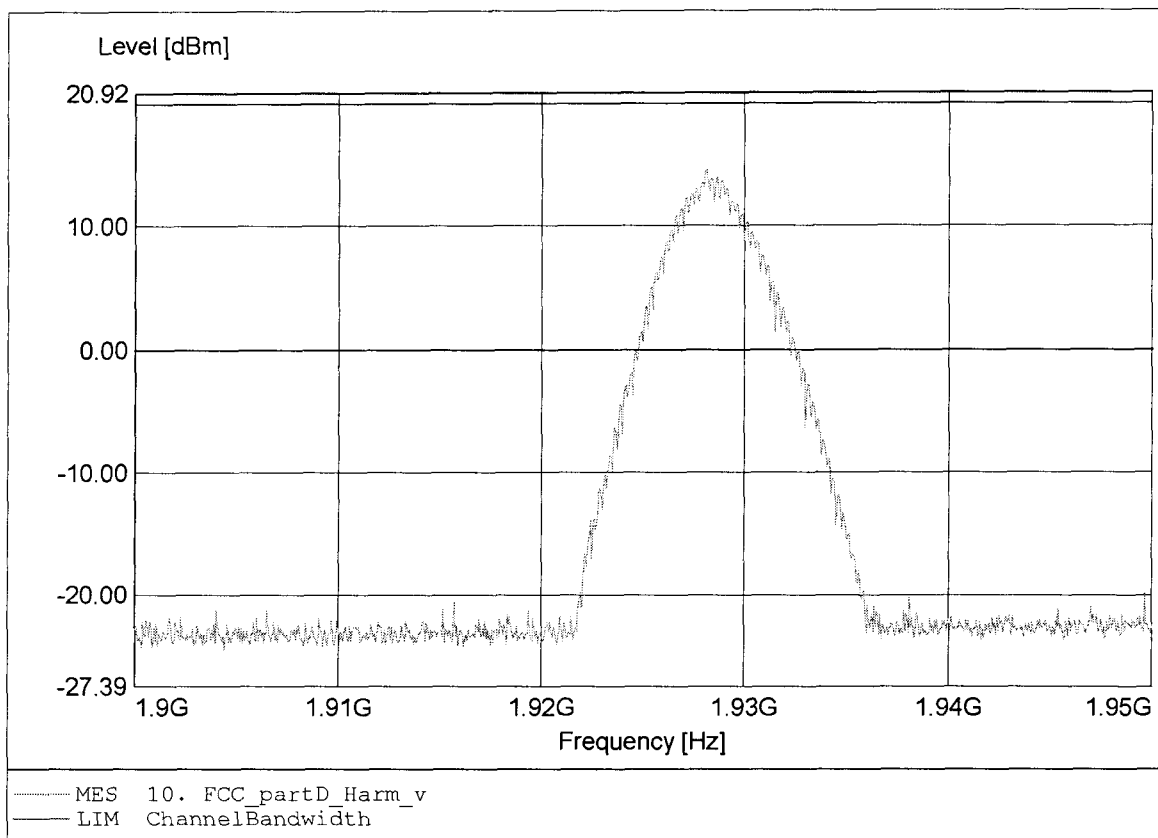




**Peak Transmit Power, Radiated**

**FCC RULES PART 15, SUBPART D**

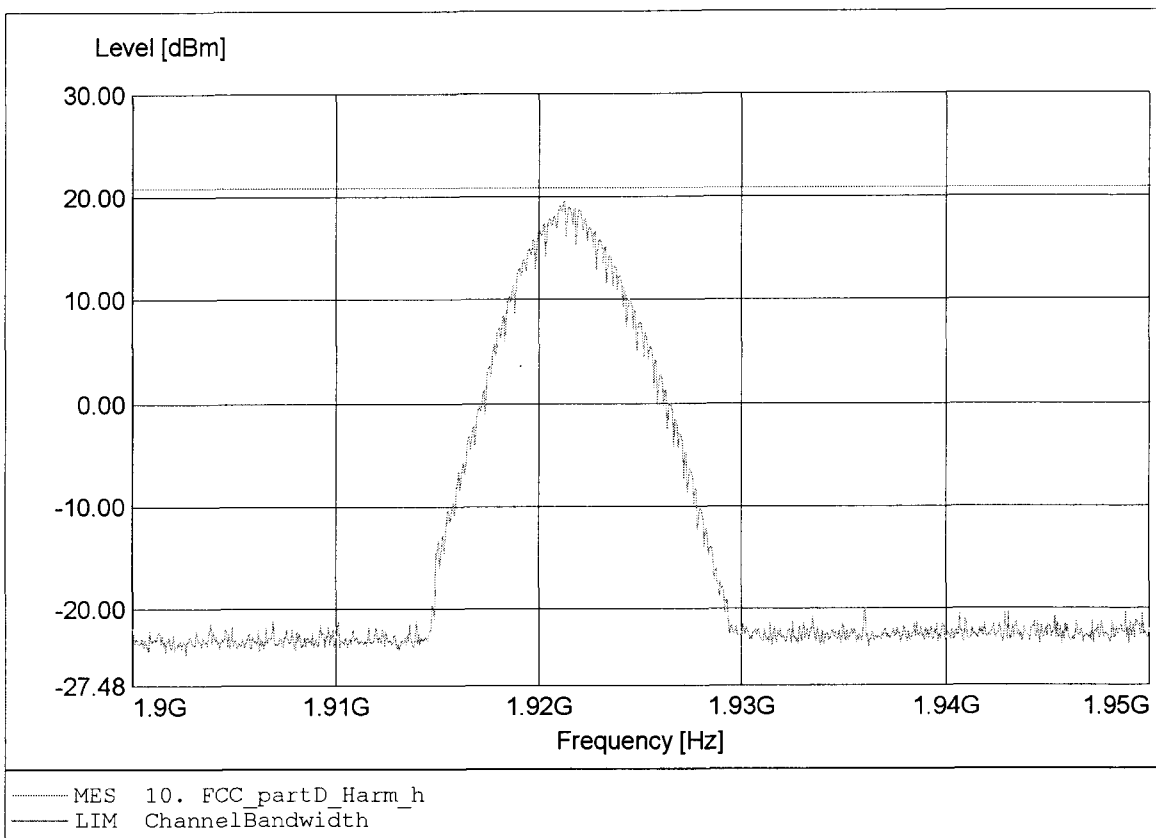
Approval Holder: KIRK telecom A/S  
EUT: DECT PP, Portable Part  
Model /Ch. /Ant.: PP6N20 1G9 / 0 / 0  
Test Site / Operator: ETS / Mr. Handrik  
Test Conditions: 23°C / Unom: 3.7 VDC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 025,  
Comment 2: Freq:1.928GHz Pmax:14.57dBm RBW: 5 MHz



**Peak Transmit Power, Radiated**

**FCC RULES PART 15, SUBPART D**

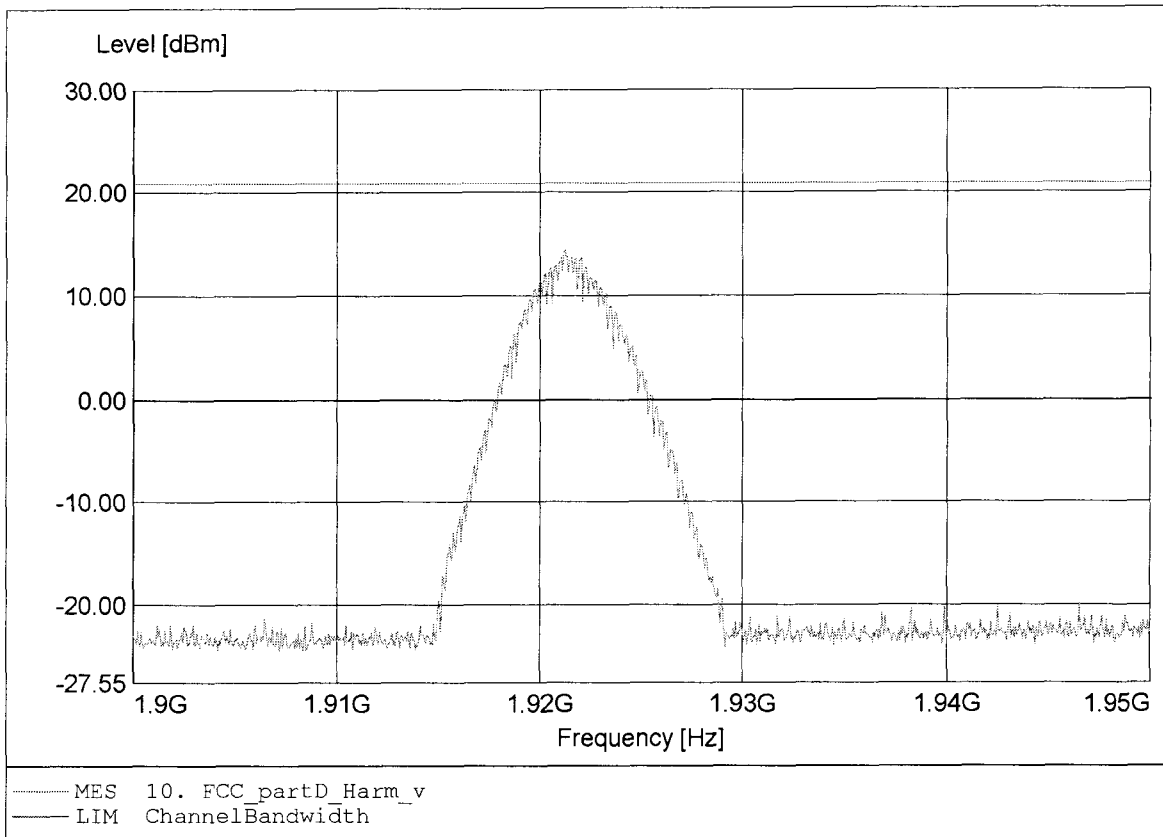
Approval Holder: KIRK telecom A/S  
EUT: DECT PP, Portable Part  
Model/Channel/Ant.: PP6N20 1G9 / 4 / 1  
Test Site / Operator: ETS / Mr. Handrik  
Test Conditions: 23°C / Unom: 3.70 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 025,  
Comment 2: Freq:1.921GHz Pmax:19.55dBm RBW: 5 MHz



**Peak Transmit Power, Radiated**

**FCC RULES PART 15, SUBPART D**

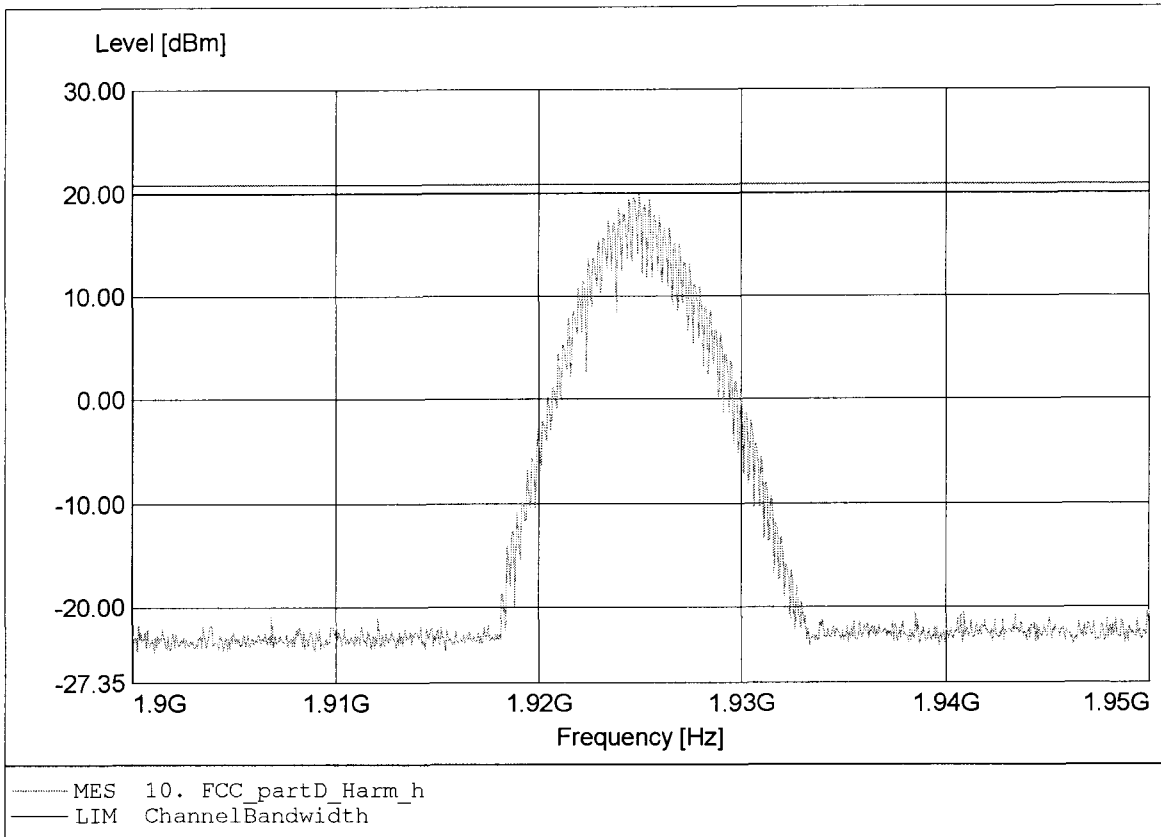
Approval Holder: KIRK telecom A/S  
EUT: DECT PP, Portable Part  
Model /Ch. /Ant.: PP6N20 1G9 / 4 / 1  
Test Site / Operator: ETS / Mr. Handrik  
Test Conditions: 23°C / Unom: 3.7 VDC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 025,  
Comment 2: Freq:1.921GHz Pmax:14.30dBm RBW: 5 MHz



**Peak Transmit Power, Radiated**

**FCC RULES PART 15, SUBPART D**

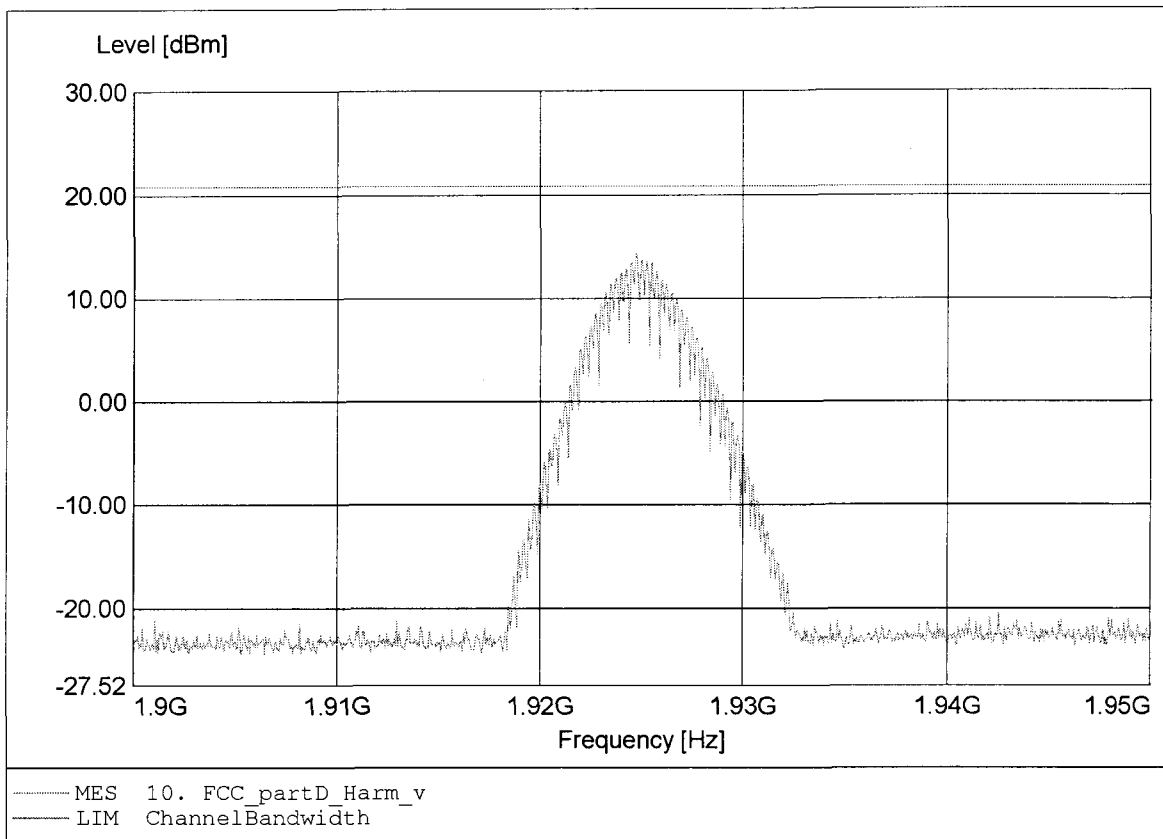
Approval Holder: KIRK telecom A/S  
EUT: DECT PP, Portable Part  
Model /Ch. /Ant.: PP6N20 1G9 / 2 / 1  
Test Site / Operator: ETS / Mr. Handrik  
Test Conditions: 23°C / Unom: 3.7 VDC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 025,  
Comment 2: Freq:1.925GHz Pmax:19.81dBm RBW: 5 MHz



**Peak Transmit Power, Radiated**

**FCC RULES PART 15, SUBPART D**

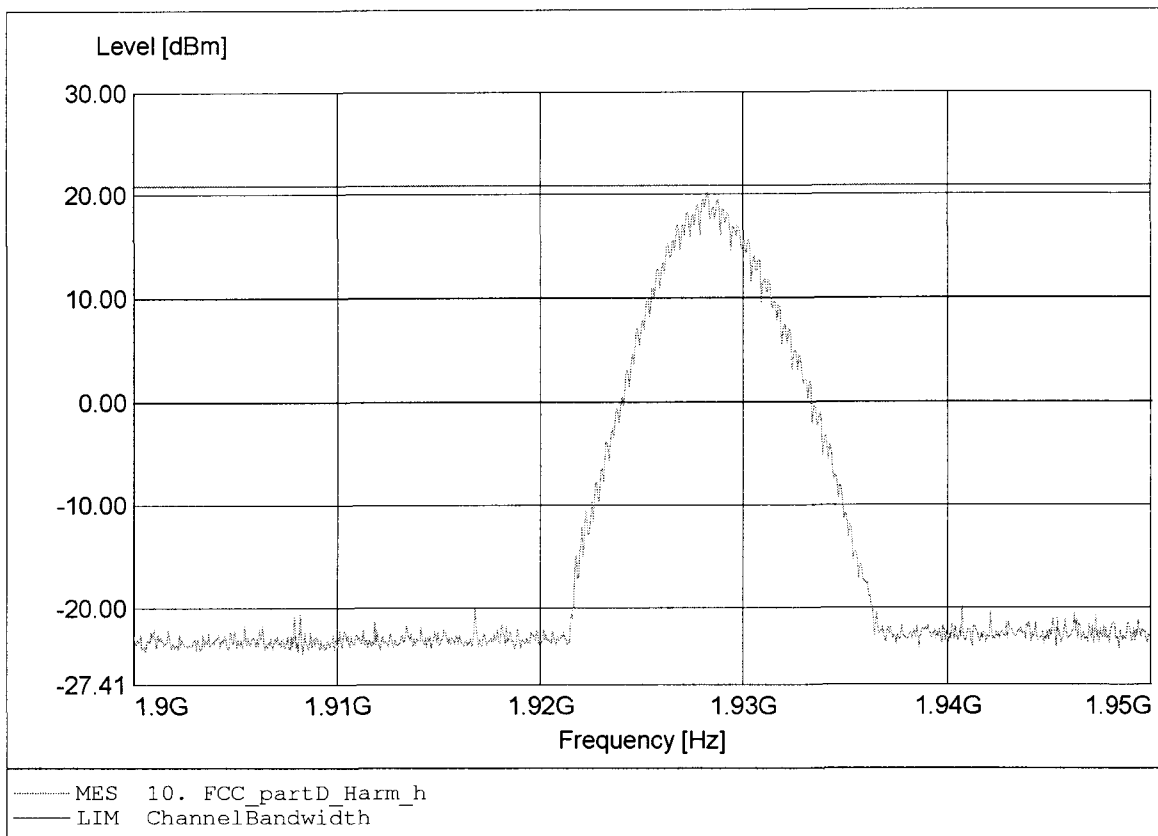
Approval Holder: KIRK telecom A/S  
EUT: DECT PP, Portable Part  
Model /Ch. /Ant.: PP6N20 1G9 / 2 / 1  
Test Site / Operator: ETS / Mr. Handrik  
Test Conditions: 23°C / Unom: 3.7 VDC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 025,  
Comment 2: Freq:1.925GHz Pmax:14.39dBm RBW: 5 MHz



**Peak Transmit Power, Radiated**

**FCC RULES PART 15, SUBPART D**

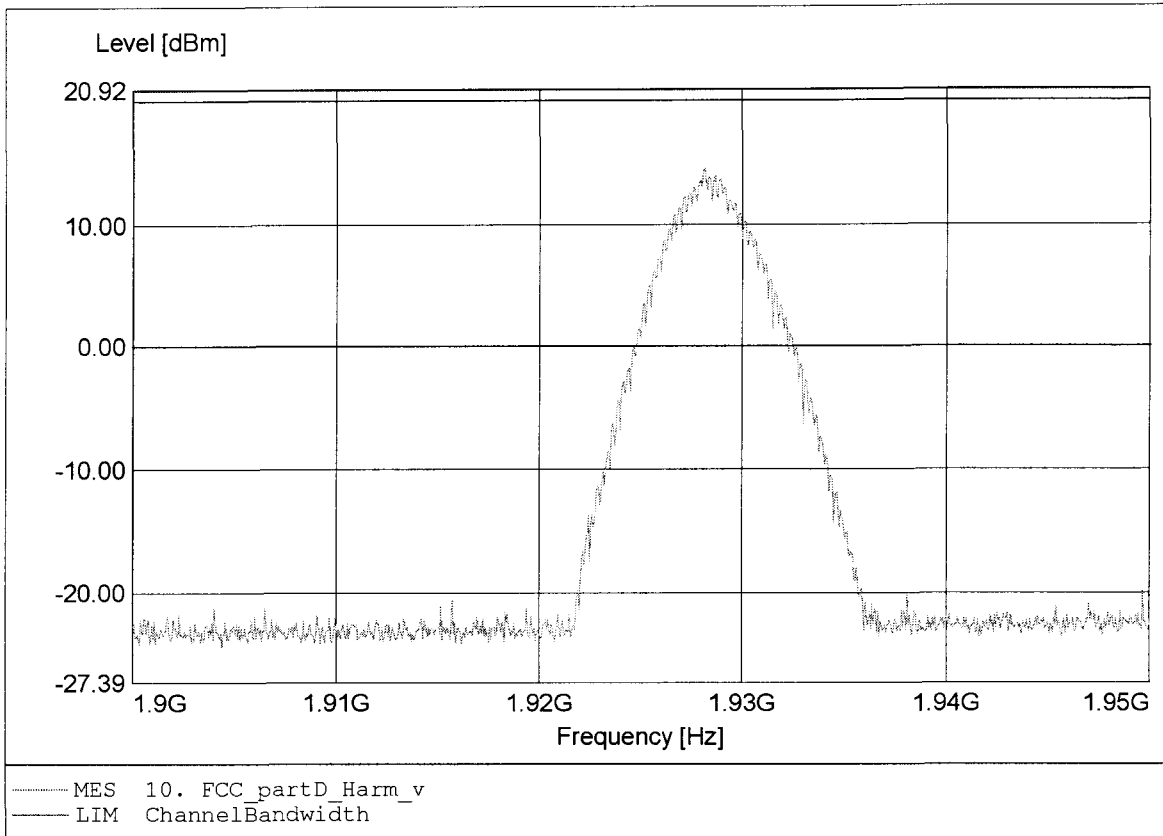
Approval Holder: KIRK telecom A/S  
EUT: DECT PP, Portable Part  
Model /Ch. /Ant.: PP6N20 1G9 / 0 / 1  
Test Site / Operator: ETS / Mr. Handrik  
Test Conditions: 23°C / Unom: 3.7 VDC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 025,  
Comment 2: Freq:1.928GHz Pmax:20.13dBm RBW: 5 MHz



**Peak Transmit Power, Radiated**

**FCC RULES PART 15, SUBPART D**

Approval Holder: KIRK telecom A/S  
EUT: DECT PP, Portable Part  
Model /Ch. /Ant.: PP6N20 1G9 / 0 / 1  
Test Site / Operator: ETS / Mr. Handrik  
Test Conditions: 23°C / Unom: 3.7 VDC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 025,  
Comment 2: Freq:1.928GHz Pmax:14.57dBm RBW: 5 MHz



## Appendix J

Monitoring threshold



Test case Rev. Draft ANSI\_7.3.2\_upper\_threshold.xml  
 Date 20.05.2006 09:50:25  
 Reference to the EUT G0M20605-0487 / PP6N20 1G9  
 Comment: initial setup  
 DECT PP, Portable Part  
 KIRK 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	
00:03:18.9062500	-86,4 -96,4	-86,9 -96,2	-52,8 -76,9	-87,1 -96,2	-53,2 -77,2	Interferer off
00:03:47.2968750	-48,7 -48,8	-45,4 -49	-49,3 -49,4	-49,1 -49,2	-49,3 -49,4	Interferer on -49.0 dBm
00:04:01.6718750	-49,8 -49,9	-49,9 -50	-50,3 -50,4	-46,2 -50,3	-50,3 -50,4	-50.0 dBm
00:04:14.2031250	-50,7 -50,9	-47,8 -51	-51,3 -51,4	-51,2 -51,3	-51,3 -51,4	-51.0 dBm
00:04:28.9218750	-51,7 -51,9	-46,6 -52	-52,3 -52,4	-46,7 -52,4	-52,3 -52,4	-52.0 dBm
00:04:40.0156250	-52,7 -52,9	-52,8 -53	-53,3 -53,4	-47,6 -53,4	-53,3 -53,4	-53.0 dBm
00:04:52.1093750	-47 -53,8	-53,8 -54	-54,2 -54,4	-54,2 -54,3	-54,2 -54,4	-54.0 dBm
00:05:10.1250000	-54,6 -54,7	-54,7 -54,9	-48,1 -55,4	-55,1 -55,3	-55,3 -55,4	-55.0 dBm
00:05:23.1250000	-48,2 -55,7	-55,7 -55,9	-55,9 -56,1	-56,1 -56,3	-56,1 -56,3	-56.0 dBm
00:06:28.4687500	-55,5 -55,7	-49,2 -55,8	-55,9 -56,1	-48,3 -56,3	-56,1 -56,3	-57.0 dBm
00:07:03.6406250	-51,3 -56,7	-22,2 -43,6	-47,9 -57,1	-52,8 -57,3	-22 -44,7	Upper threshold level -58.0 dBm

Log file

Test case Rev. Draft ANSI\_7.3.3\_least\_interfered\_channel.xml  
 Date 20.05.2006 10:05:59  
 Reference to the EUT G0M20605-0487 / PP6N20 1G9  
 Comment: 7.3.3\_b  
 DECT PP, Portable Part  
 KIRK 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	
00:21:38.5781250	-85,3 -96	-52,1 -76,2	-86,9 -96,3	-52,5 -76,6	-87,2 -96,2	Interferer off
00:21:49.0312500	-56,7 -56,9	-56,8 -57,1	-57 -57,3	-51,9 -69,6	-75,2 -77,6	Interferer on
00:22:07.2500000	-56,7 -56,9	-56,6 -57,1	-56,8 -57,3	-55,9 -69,9	-22 -44,1	OK 1
00:22:12.7343750	-56,7 -56,9	-56,8 -57,1	-57 -57,3	-69,3 -70,4	-52,5 -74,1	
00:22:16.7656250	-56,6 -56,9	-56,8 -57,1	-55,2 -57,3	-56 -70	-22,2 -44	OK 2
00:22:19.8906250	-56,7 -56,9	-56,8 -57,1	-57,1 -57,3	-69,4 -70,4	-53,5 -74,5	
00:22:23.3906250	-56,4 -56,9	-56,8 -57,1	-55,5 -57,3	-56,3 -70,1	-22,2 -44,4	OK 3
00:22:26.1406250	-56,7 -56,9	-56,8 -57,1	-57,1 -57,3	-69,2 -70,4	-52,4 -74,3	
00:22:29.0937500	-56,6 -56,9	-56,1 -57,1	-57 -57,3	-56 -70	-22,2 -44,4	OK 4
00:22:31.9531250	-56,7 -56,9	-56,9 -57,1	-57,1 -57,3	-69,4 -70,4	-52,6 -74,1	
00:22:35.0781250	-56,6 -56,9	-55,9 -57,1	-56,9 -57,3	-58 -69,9	-22,3 -44,4	OK 5

Log file

Test case Rev. Draft ANSI\_7.3.3\_least\_interfered\_channel.xml  
 Date 20.05.2006 10:10:19  
 Reference to the EUT G0M20605-0487 / PP6N20 1G9  
 Comment: 7.3.3\_c  
 DECT PP, Portable Part  
 KIRK 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	
00:26:04.1875000	-52,2 -76,3	-87,3 -96,1	-86,6 -96	-86,7 -96,2	-86,6 -96,1	Interferer off
00:26:18.4843750	-49,6 -56,9	-56,8 -57,1	-57,1 -57,3	-75,4 -77,2	-69,5 -70,7	Interferer on
00:26:32.1250000	-56,6 -56,9	-56,6 -57,1	-50 -57,3	-22,3 -44,2	-48,2 -70,1	OK 1
00:26:36.5312500	-56,7 -56,9	-56,8 -57,1	-57,1 -57,3	-52,5 -75	-69,6 -70,7	
00:26:39.1250000	-56,1 -56,9	-56,1 -57,1	-50,4 -57,3	-21,6 -44,1	-50 -70,3	OK 2
00:26:46.8281250	-56,7 -56,9	-56,8 -57,1	-57,1 -57,3	-53,2 -74,1	-69,6 -70,7	
00:26:49.0468750	-56,7 -56,9	-56,7 -57,1	-52,6 -57,3	-22,1 -44,2	-48,5 -70,2	OK 3
00:26:51.5312500	-56,7 -56,9	-56,8 -57,1	-57,1 -57,3	-52,4 -72,3	-69,5 -70,7	
00:26:53.6562500	-56,2 -56,9	-56,6 -57,1	-53,9 -57,3	-22 -43,1	-50,3 -70,4	OK 4
00:26:55.8750000	-56,7 -56,9	-56,8 -57,1	-57,1 -57,3	-53,2 -74,4	-69,6 -70,7	
00:26:58.7343750	-56,1 -56,9	-56,5 -57,1	-53,3 -57,3	-21,8 -44,1	-49,7 -70,3	OK 5

Log file

Test case Rev. Draft ANSI\_7.3.3\_least\_interfered\_channel.xml  
 Date 20.05.2006 10:14:11  
 Reference to the EUT G0M20605-0487 / PP6N20 1G9  
 Comment: 7.3.3\_d  
 DECT PP, Portable Part  
 KIRK 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	
00:30:05.5468750	-57,5 -83,2	-87,5 -96,4	-86,7 -96,2	-86,9 -96,1	-87 -96,3	Interferer off
00:30:23.9375000	-56,7 -56,9	-56,8 -57,1	-52,4 -57,3	-74,4 -76,4	-79,6 -83,3	Interferer on
00:30:31.0937500	-56,4 -56,9	-55,9 -57,1	-52,4 -57,3	-57,4 -75,3	-21,4 -44,2	OK 1
00:30:34.0468750	-56,7 -56,9	-56,8 -57,1	-57,1 -57,3	-74,5 -76,5	-57,8 -79,6	
00:30:36.6250000	-56,7 -56,9	-56,6 -57,1	-56,9 -57,3	-57,2 -75,1	-21,9 -44	OK 2
00:30:39.2031250	-56,7 -56,9	-56,9 -57,1	-57,1 -57,3	-74,7 -76,4	-57,3 -79,5	
00:30:41.8750000	-56,6 -56,9	-56,8 -57,1	-55,5 -57,3	-57,3 -75,3	-22 -44,3	OK 3
00:30:45.0156250	-56,7 -56,9	-56,9 -57,1	-57 -57,3	-74,2 -76,5	-57,7 -80,8	
00:30:47.4062500	-56,6 -56,9	-56,1 -57,1	-56,3 -57,3	-55,9 -75,1	-21,5 -44	OK 4
00:30:49.8281250	-56,7 -56,9	-56,8 -57,1	-57,1 -57,3	-74,5 -76,4	-58,1 -77,9	
00:30:52.4062500	-56,7 -56,9	-55,9 -57,1	-55 -57,3	-55,8 -75	-22,1 -44,1	OK 5

Log file

Test case Rev. Draft ANSI\_7.3.3\_least\_interfered\_channel.xml  
 Date 20.05.2006 10:20:54  
 Reference to the EUT G0M20605-0487 / PP6N20 1G9  
 Comment: 7.3.3\_e  
 DECT PP, Portable Part  
 KIRK 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	
00:34:25.9375000	-62,7 -86,4	-86,5 -96,1	-86,9 -96,2	-86,6 -96,3	-87,2 -96,1	Interferer off
00:34:36.6875000	-53,6 -56,9	-56,8 -57,1	-57 -57,3	-79,5 -83,1	-74,5 -76,6	Interferer on
00:37:02.4531250	-56,6 -57	-55 -57,1	-51,9 -57,3	-22,5 -44,2	-49,6 -75,3	OK 1
00:37:06.6562500	-56,7 -56,9	-56,8 -57,1	-57,1 -57,3	-52,4 -75,9	-74,5 -76,6	
00:37:10.4375000	-56,1 -57	-56,3 -57,1	-54 -57,3	-22,1 -43,8	-49,7 -75,4	OK 2
00:37:13.1093750	-56,7 -56,9	-56,9 -57,1	-57,1 -57,3	-52,3 -76	-74,6 -76,6	
00:37:16.3437500	-56,6 -57	-55,1 -57,1	-50,5 -57,3	-22,1 -43,6	-49,7 -75,4	OK 3
00:37:19.5625000	-56,7 -56,9	-56,9 -57,1	-57,1 -57,3	-52,9 -76	-74,5 -76,6	
00:37:23.1562500	-55,8 -56,9	-56,7 -57,1	-51,9 -57,3	-22,1 -43,7	-50,3 -75,5	OK 4
00:37:26.2656250	-56,7 -56,9	-56,9 -57,1	-57,1 -57,3	-52,6 -76,1	-74,6 -76,6	
00:37:28.9531250	-56,6 -56,9	-56,7 -57,1	-53,3 -57,3	-22,2 -44,3	-49,4 -75,3	OK 5

Log file

## **Appendix K**

Monitoring of intended transmit window and maximum reaction time

Test case Rev. Draft ANSI\_7.5\_reaction\_time\_high\_ch.xml  
 Date 20.05.2006 11:04:31  
 Reference to the EUT G0M20605-0487 / PP6N20 1G9  
 Comment: 7.5\_high\_ch\_50 / 35us  
 DECT PP, Portable Part  
 KIRK 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	
01:19:43.9843750	-87,9 -96,3	-87,5 -96,4	-52,4 -76,5	-87,4 -96,2	-86,4 -96,3	Interferer off
01:19:49.3125000	-67,5 -94,2	-55,1 -79,2	-22,3 -43,9	-49,4 -79,8	-65,4 -93,4	Test connection
01:20:05.8750000	-54,8 -55	-55,2 -55,5	-49,1 -55,2	-55,2 -55,4	-51,4 -67,4	50 $\mu$ s interference on -no connection
01:20:19.0781250	-69,7 -94,6	-55,6 -80,3	-22,1 -43,9	-49,6 -80,2	-65,9 -93,3	Test connection
01:20:56.6562500	-54,8 -55	-55,2 -55,5	-55,1 -55,3	-55,1 -55,4	-44,7 -62,1	35 $\mu$ s interference on -no connection

Log file

Test case Rev. Draft ANSI\_7.5\_reaction\_time\_low\_ch.xml  
 Date 20.05.2006 11:11:11  
 Reference to the EUT G0M20605-0487 / PP6N20 1G9  
 Comment: 7.5\_low\_ch\_50us  
 DECT PP, Portable Part  
 KIRK 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	
01:26:43.8437500	-87,4 -96,4	-85,6 -95,9	-52,4 -76,5	-87,6 -96,1	-86,7 -96,2	Interferer off
01:26:49.1093750	-22,1 -43,5	-49,6 -80,4	-52,8 -76,9	-72,7 -95,1	-78,4 -95,9	Test connection
01:27:04.2968750	-50,7 -65,4	-54,8 -55,1	-55,4 -55,6	-55,3 -55,5	-55,3 -55,5	50 µs interference on -no connection
01:27:16.5937500	-74,4 -95,5	-68,3 -94,1	-56,3 -80,6	-22,2 -44,5	-50 -81,4	Test connection
01:27:52.1875000	-44,2 -61,9	-54,8 -55,1	-55,4 -55,6	-48,3 -55,5	-55,3 -55,5	35 µs interference on -no connection

Log file



## Appendix L

Monitoring bandwidth

Test case Rev. Draft ANSI\_7.4.1\_monitoring\_bandwidth.xml  
 Date 20.05.2006 10:38:48  
 Reference to the EUT G0M20605-0487 / PP6N20 1G9  
 Comment: 7.4.1 simple compliance test\_low\_+30%  
 DECT PP, Portable Part  
 KIRK 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	
00:55:03.9843750	-52,4 -76,5	-87,2 -96,2	-86,6 -96,3	-87,2 -96,2	-86,6 -96,2	Interferer off
00:55:12.0937500	-56,6 -80,5	-22,3 -44,6	-49,6 -81	-66,7 -93,9	-71,4 -95,2	Test connection
00:55:32.8437500	-86,5 -96,1	-56,8 -57,1	-49,8 -57,3	-57,2 -57,4	-57,3 -57,5	Interferer on, no connection

---

Log file

Test case Rev. Draft ANSI\_7.4.1\_monitoring\_bandwidth.xml  
 Date 20.05.2006 10:33:06  
 Reference to the EUT G0M20605-0487 / PP6N20 1G9  
 Comment: 7.4.1 simple compliance test\_low\_-30%  
 DECT PP, Portable Part  
 KIRK 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	
00:49:01.9062500	-86,4 -96,2	-87,4 -96,2	-52,7 -76,9	-86,6 -96,3	-86,9 -96,4	Interferer off
00:49:17.6562500	-56,9 -81,8	-22,2 -43,8	-50,1 -81,2	-66,1 -93,7	-72 -95,2	Test connection
00:49:37.7812500	-87,6 -96	-49,2 -57	-57,1 -57,3	-57,2 -57,4	-57,3 -57,5	Interferer on, no connection

---

Log file

Test case Rev. Draft ANSI\_7.4.1\_monitoring\_bandwidth.xml  
 Date 20.05.2006 10:43:10  
 Reference to the EUT G0M20605-0487 / PP6N20 1G9  
 Comment: 7.4.1 simple compliance test\_high\_-30%  
 DECT PP, Portable Part  
 KIRK 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	
00:58:36.7031250	-86,3 -96,2	-86 -96,1	-52,4 -76,5	-87,1 -96,1	-87,6 -96	Interferer off
00:58:43.5937500	-57,1 -81	-21,9 -43,6	-50,4 -81,7	-65,7 -93,4	-72,6 -95,1	Test connection
00:59:56.3906250	-55,7 -56	-48,4 -56,2	-56,1 -56,3	-56,2 -56,4	-86,6 -95,9	Interferer on, no connection

---

Log file

---

Test case Rev. Draft ANSI\_7.4.1\_monitoring\_bandwidth.xml  
 Date 20.05.2006 10:46:14  
 Reference to the EUT G0M20605-0487 / PP6N20 1G9  
 Comment: 7.4.1 simple compliance test\_high\_+30%  
 DECT PP, Portable Part  
 KIRK 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	
01:02:04.0312500	-52,5 -76,6	-86,9 -96,2	-87,2 -96,2	-85,4 -96,3	-86,4 -96,1	Interferer on
01:02:20.1406250	-22,3 -43,4	-50,1 -81,2	-67,4 -92,5	-73,4 -95,3	-76,3 -95,6	Test connection
01:02:34.7500000	-49,3 -56,9	-57 -57,2	-57 -57,2	-57,2 -57,4	-86,6 -96,1	Interferer on, no connection

---

Log file

## Appendix M

Random waiting interval

## Appendix N

Duration of Transmission

Test case    Rev. Draft  
ANSI\_8.2.2.\_Transmission\_duration\_PP\_only.xml  
Date 07.06.2006 10:00:16  
Reference to the EUT                                    GOM20605-0487 / PP6N20 1G9  
  
Comment:    initial setup  
  
    DECT PP, Portable Part  
    KIRK 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	
00:02:07.6875000	-87,1 -96,2	-86,2 -96,1	-85,6 -96	-51,9 -76,1	-86,2 -95,9	
00:02:16.7500000	-85,8 -96	-51,6 -75,8	-85,1 -96,2	-56,2 -81,3	-21,3 -45	connection
05:35:38.4531250	-79,5 -95,8	-74,4 -95,5	-21,8 -44,5	-55,6 -80,4	-21,8 -45,4	Change to channel 2 after 5 h: 33 min
05:35:38.5468750	-78,4 -95,7	-75,7 -95,6	-68,4 -94,6	-57,2 -81,3	-21,9 -44	
11:09:00.8437500	-78,2 -95,7	-74,9 -95,7	-68,3 -94,1	-21,5 -44,9	-21,9 -43,9	Change to channel 2 after 11 h: 03 min
11:09:00.9218750	-77,7 -96	-73,7 -95,5	-68,2 -94,3	-57,6 -81,2	-21,3 -43,9	

Occupation of the same combined time and spectrum windows by the DUT is 5h:33min

Log file

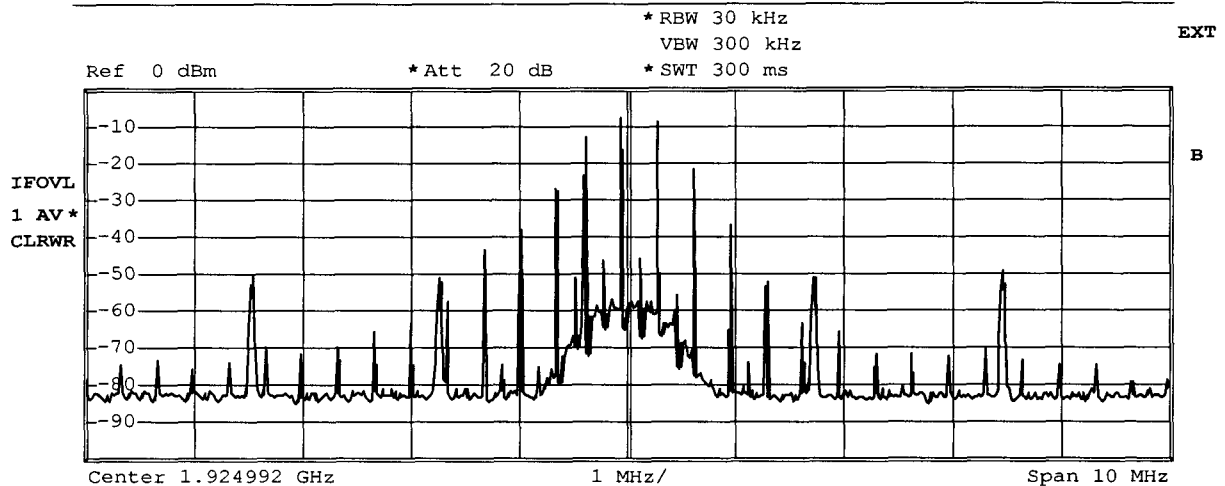
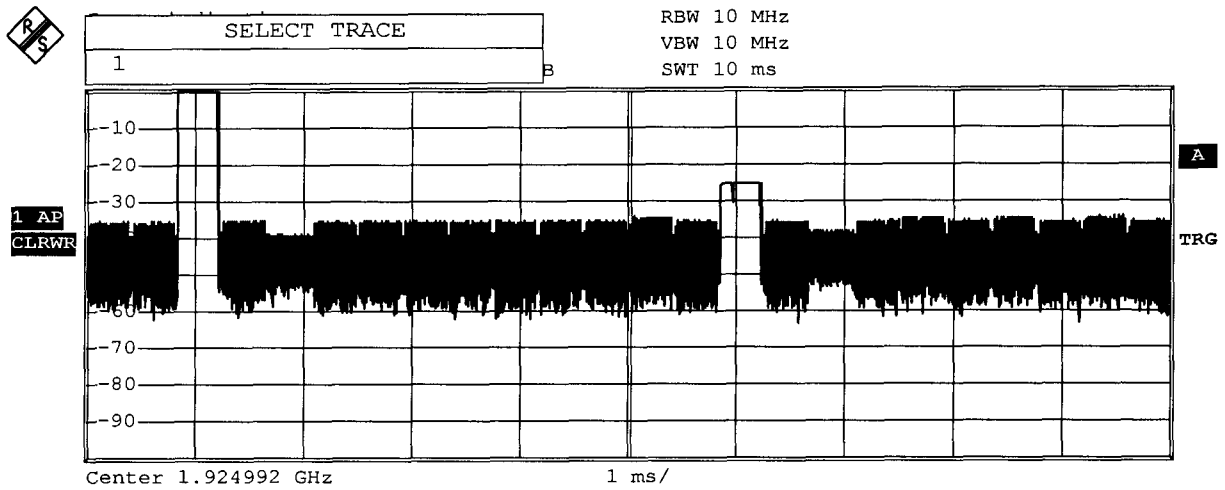


## Appendix O

Connection acknowledgement

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

EUT	DECT PP, Portable Part
Model	PP6N20 1G9
Applicant	KIRK telecom A/S
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



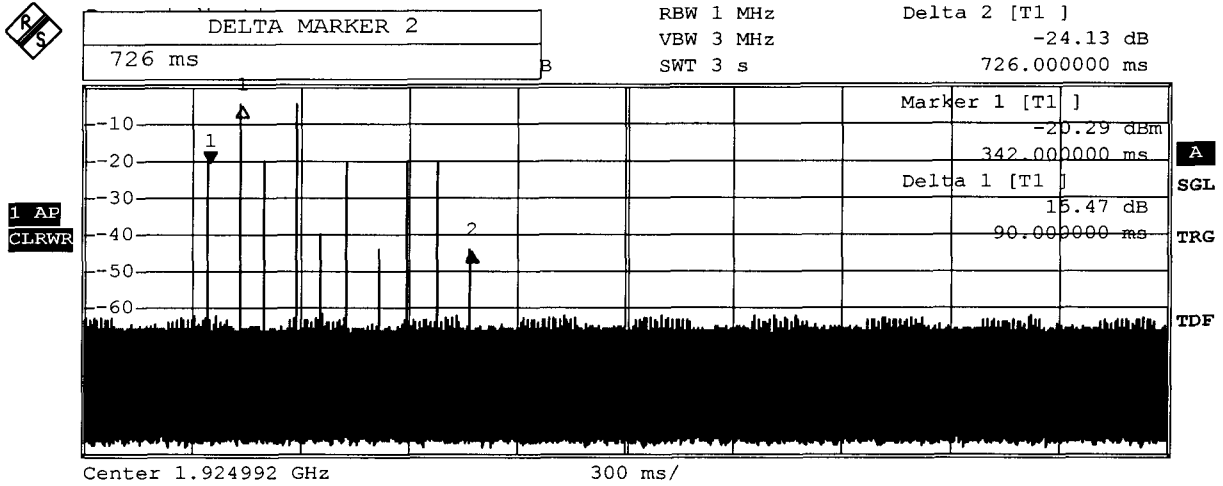
Date: 20.MAY.2006 11:26:32

Measurement diagram



ANSI C63.17-1998 Rev. Draft ANSI 8.2.1 acknowledgements  
 UPCS1900

EUT	DECT PP, Portable Part
Model	PP6N20 1G9
Applicant	KIRK telecom A/S
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 726 ms Limit: < 1second

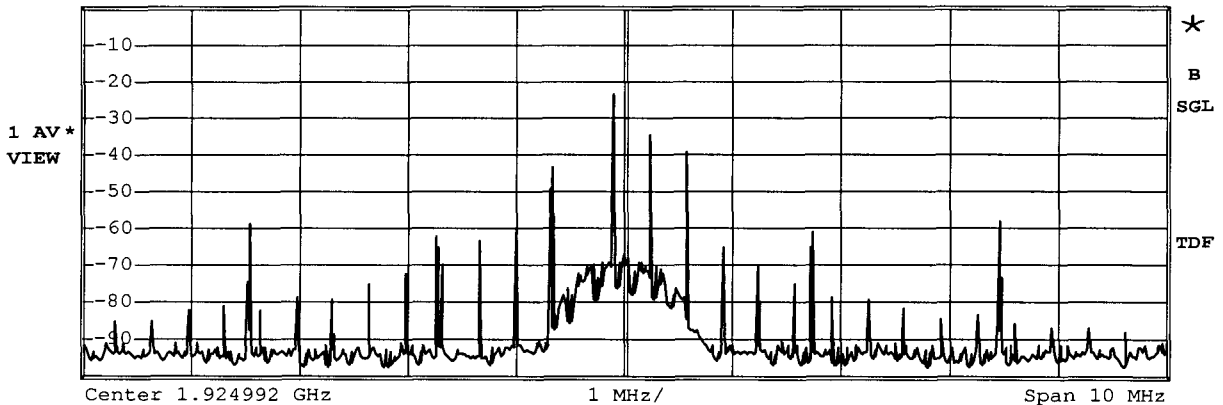


Center 1.924992 GHz 300 ms/

\* RBW 10 kHz  
 VBW 100 kHz  
 \* Att 20 dB  
 \* SWT 300 ms

Ref 0 dBm

EXT



Date: 20.MAY.2006 11:52:37

Measurement diagram

Test case Rev. Draft ANSI\_8.2.1\_Acknowledgments\_30s.xml  
 Date 20.05.2006 12:48:15  
 Reference to the EUT G0M20605-0487 / PP6N20 1G9  
 Comment: 8.2.1(c) Acknowledgments  
 DECT PP, Portable Part  
 KIRK 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	
00:02:16.5156250	-53,4 -54,9	-51,9 -55,1	-21,2 -40,6	-50,9 -55,5	-55,3 -55,6	Connection
00:02:27.3125000	-54,3 -54,9	-50,8 -55,1	-21,3 -43	-53,5 -55,5	-54,9 -55,6	Block acknowledge- ments from the companion device
00:02:29.7031250	-54,8 -54,9	-54,9 -55,1	-84,9 -95,6	-55,3 -55,5	-55,3 -55,5	DUT Tx off

The DUT terminates transmissions after 2.4 seconds.

---

Log file

## Appendix P

Selected channel, power accuracy, segment occupancy

Test case  
confirmation.xml

Rev. Draft ANSI\_7.3.4\_selected channel

Date 20.05.2006 10:28:45

Reference to the EUT

G0M20605-0487 / PP6N20 1G9

Comment:

initial setup

DECT PP, Portable Part  
KIRK 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	
00:44:22.2187500	-52,1 -76,3	-86,1 -96	-87,4 -96	-87,4 -96,1	-87 -96,3	Interferer off
00:44:28.7500000	-49 -56,9	-56,9 -57,1	-57,1 -57,3	-75,2 -77,3	-75,5 -77,6	Interferer on
00:45:03.2031250	-56,7 -56,9	-56,8 -57,1	-56,9 -57,3	-52,3 -73,3	-22,1 -44,6	OK 1
00:45:18.5312500	-56,6 -56,9	-55 -57,1	-52,6 -57,3	-21,8 -43,8	-50 -76,1	OK 2

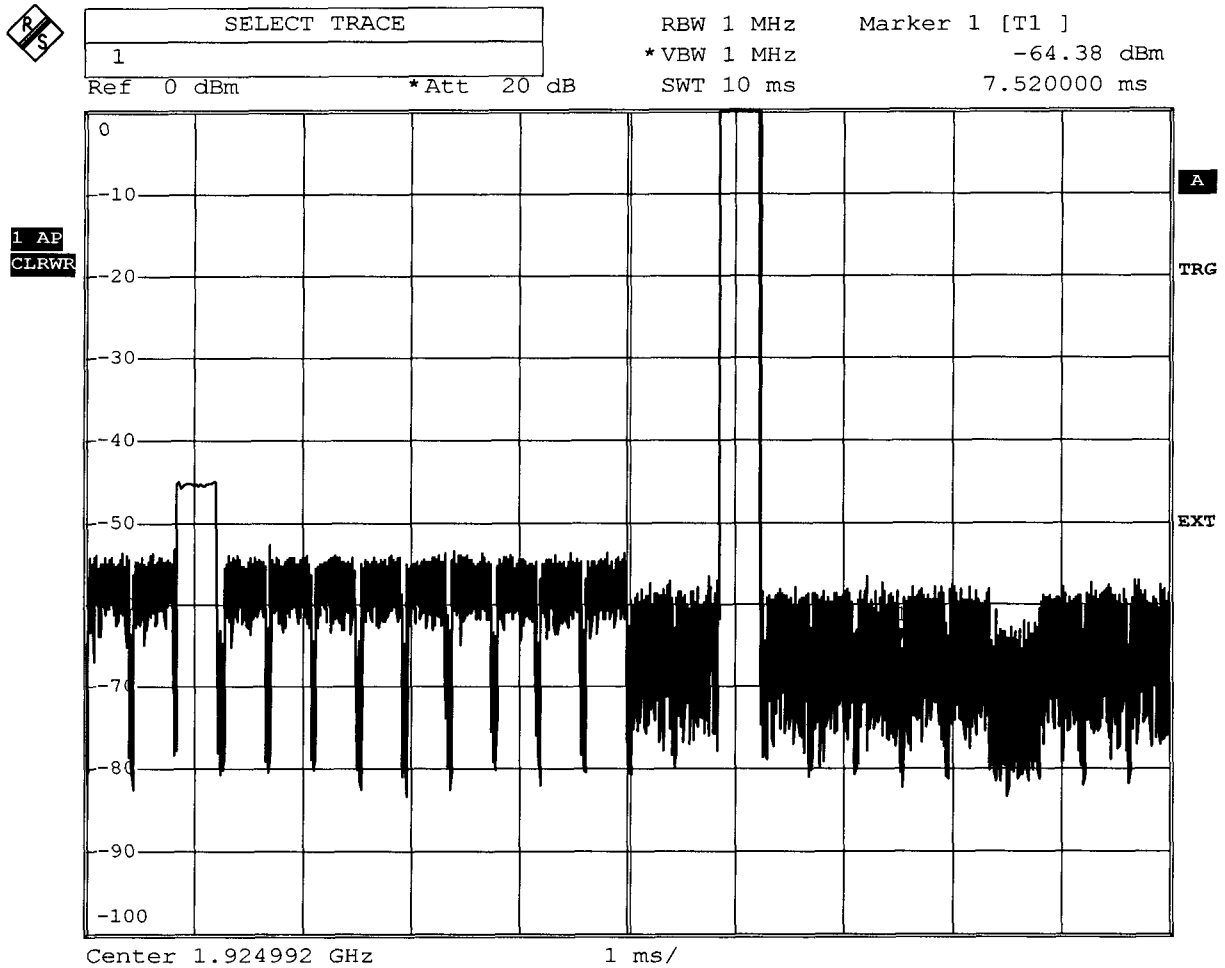
Log file

## Appendix Q

Duplex connections

**ANSI 8.3.2 Duplex connections**  
**Subclause 8.3.2 (d)**

EUT	DECT PP, Portable Part
Model	PP6N20 1G9
Applicant	KIRK telecom A/S
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



Date: 20.MAY.2006 13:43:20

Measurement diagram

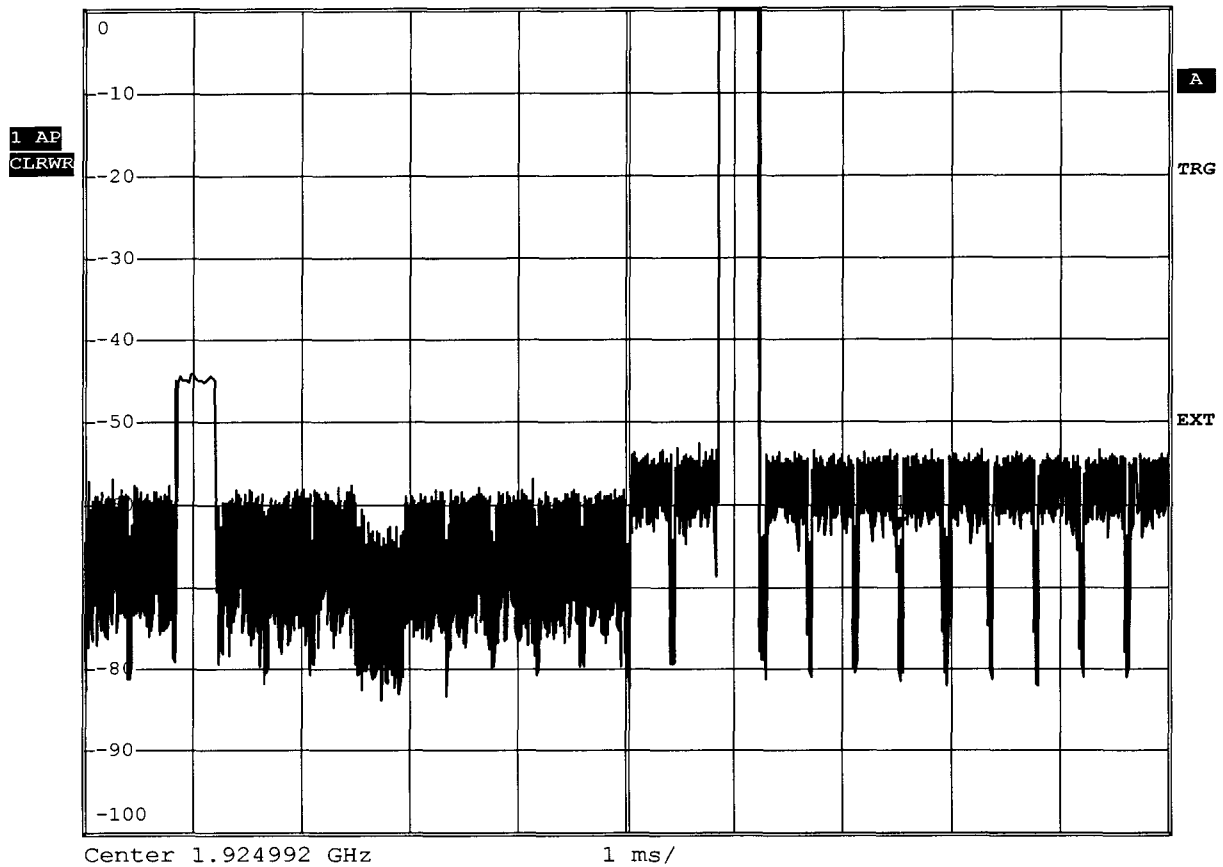


**ANSI 8.2.3 Duplex connections**  
**Subclause 8.3.2 (f)**

EUT	DECT PP, Portable Part
Model	PP6N20 1G9
Applicant	KIRK telecom A/S
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



Ref	0 dBm	*Att	20 dB	RBW	1 MHz	Marker 1 [T1]	
				*VBW	1 MHz		-62.78 dBm
				SWT	10 ms		7.520000 ms



Date: 20.MAY.2006 13:58:57

Measurement diagram

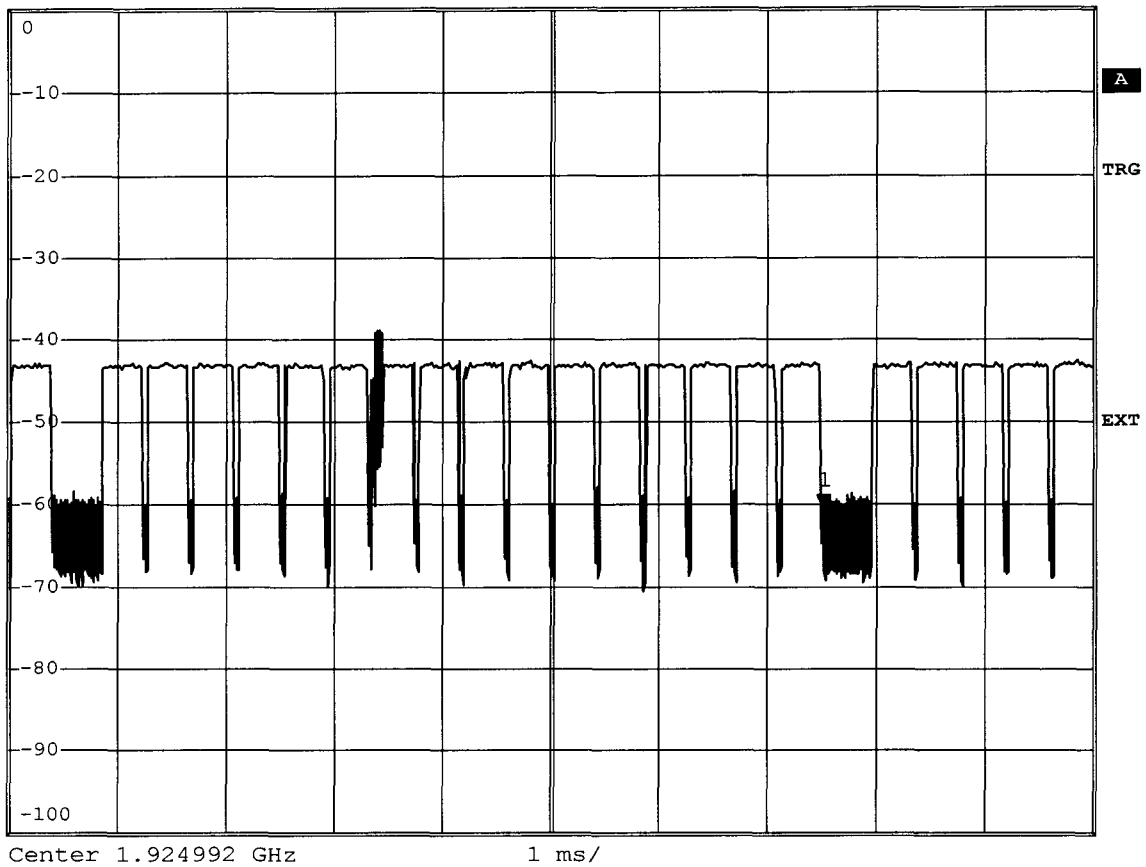
**ANSI 8.2.3 Duplex connections**  
**Subclause 8.3.2 (g)**

EUT	DECT PP, Portable Part
Model	PP6N20 1G9
Applicant	KIRK telecom A/S
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



Ref 0 dBm      \*Att 20 dB      RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 1 MHz      -60.11 dBm  
 SWT 10 ms      7.520000 ms

L AP  
 CLRWR



Date: 20.MAY.2006 14:07:41

Measurement diagram