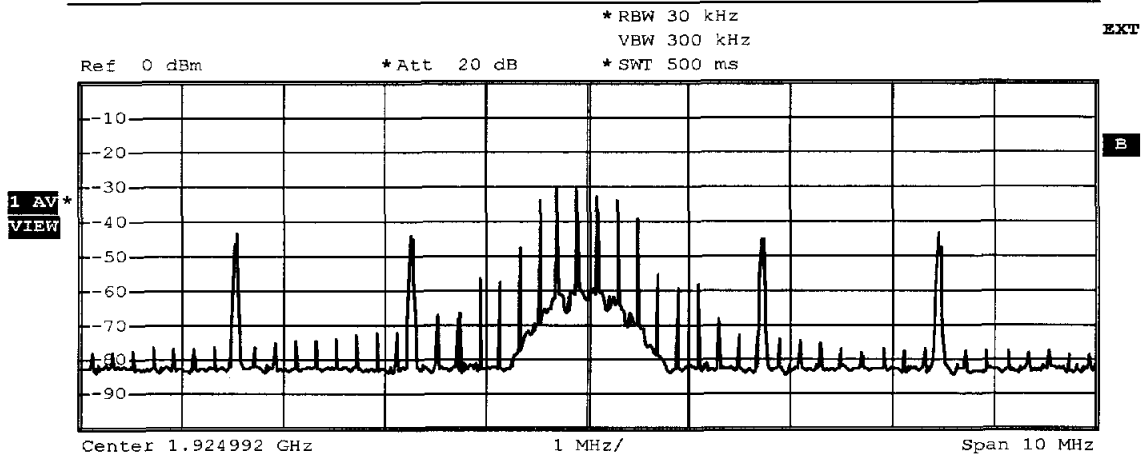
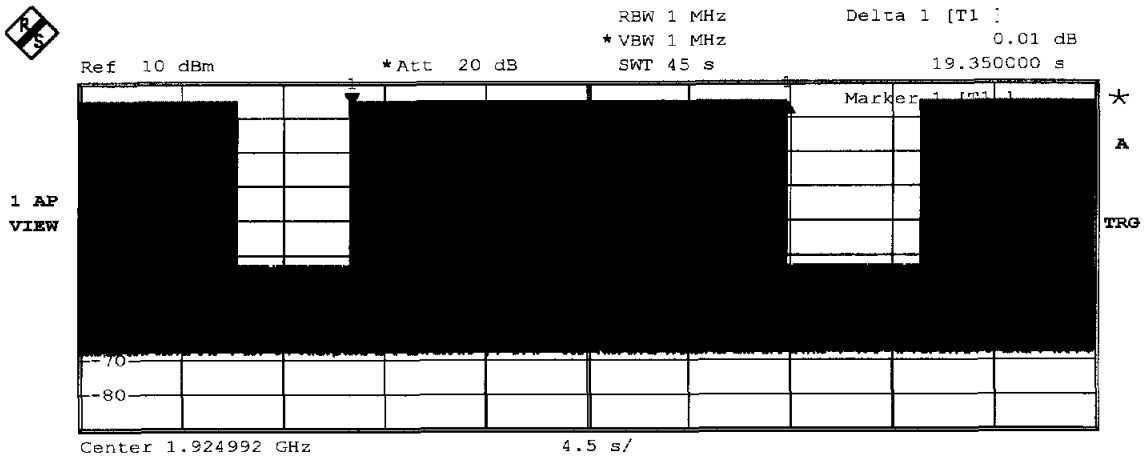


Appendix O

Connection acknowledgement

**ANSI C63.17-2006 Rev. Draft ANSI 8.1.1 Access criteria test interval
UPCSI900**

| | |
|-----------------------|---|
| EUT | KIRK base station 12 (DECT based UPCS Base station (RFP)) |
| Model | RFP12IP 1G9 |
| Approval Holder | KIRK telecom A/S |
| Temperature / Voltage | 23°C |
| Test Site / Operator | ETS / Mr.Schlaps |
| Test Specification | ANSI C63.17-2006 Rev. Draft ANS 8.1.1 Access criteria test interval |
| Comment 1 | The interval between access criteria tests |
| Comment 2 | Measurement result: 19.35 sec. |
| Comment 3 | Verdict: PASS |

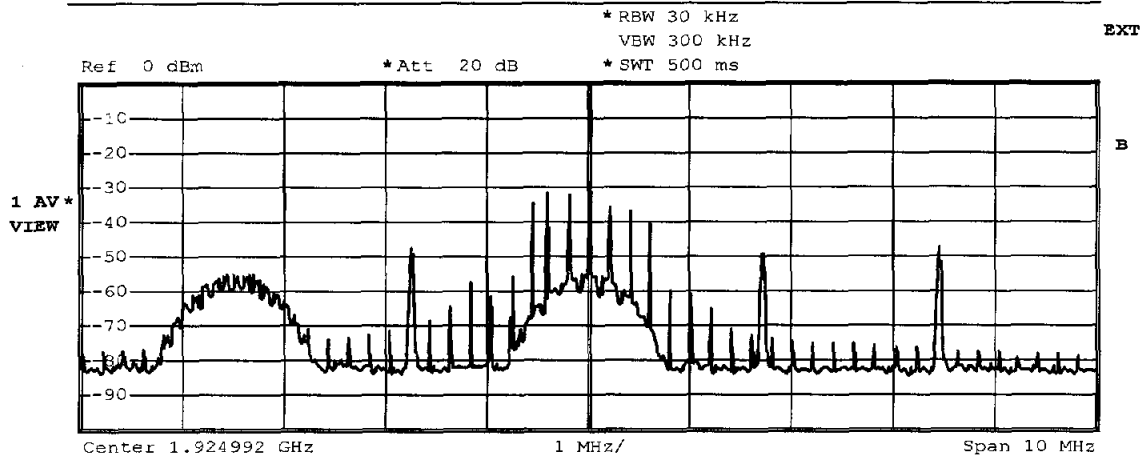
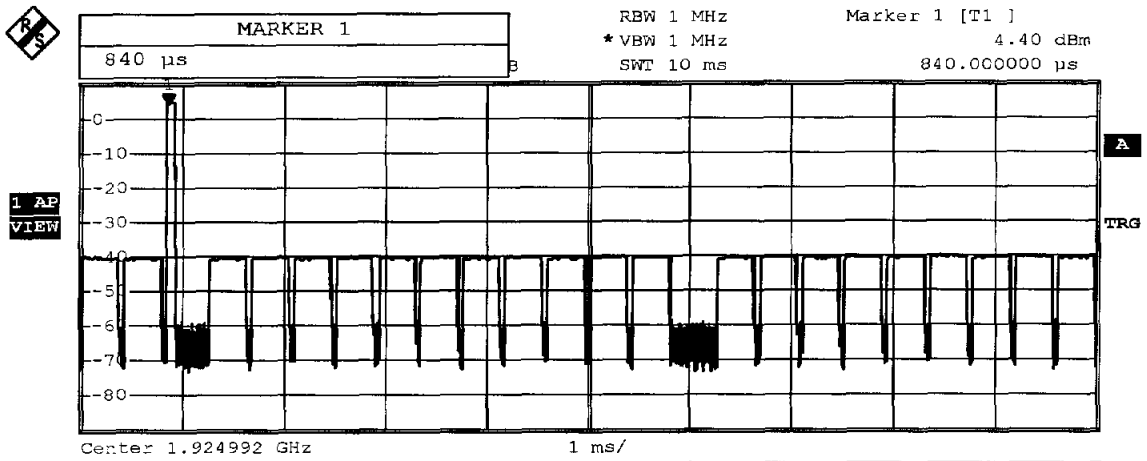


Comment: Ansi C63.17-1998 6.1.6.2
 Date: 11.JUL.2007 09:54:38

Measurement diagram

ANSI C63.17-2006 Rev. Draft ANSI 8.1.2 Access criteria functional test
 UPCS1900

| | |
|-----------------------|--|
| EUT | KIRK base station 12 (DECT based UPCS Base station (RFP)) |
| Model | RFPI2IP 1G9 |
| Approval Holder | KIRK telecom A/S |
| Temperature / Voltage | 23°C / Vnom |
| Test Site / Operator | ETS / Mr.Schlaps |
| Test Specification | ANSI C63.17-2006 Rev. Draft ANSI 8.1.2 Access criteria functional test |
| Comment 1 | initial condition |
| Comment 2 | Connection at channel 2 (1924,992 MHz), in time slot 2 (840 μ s) |

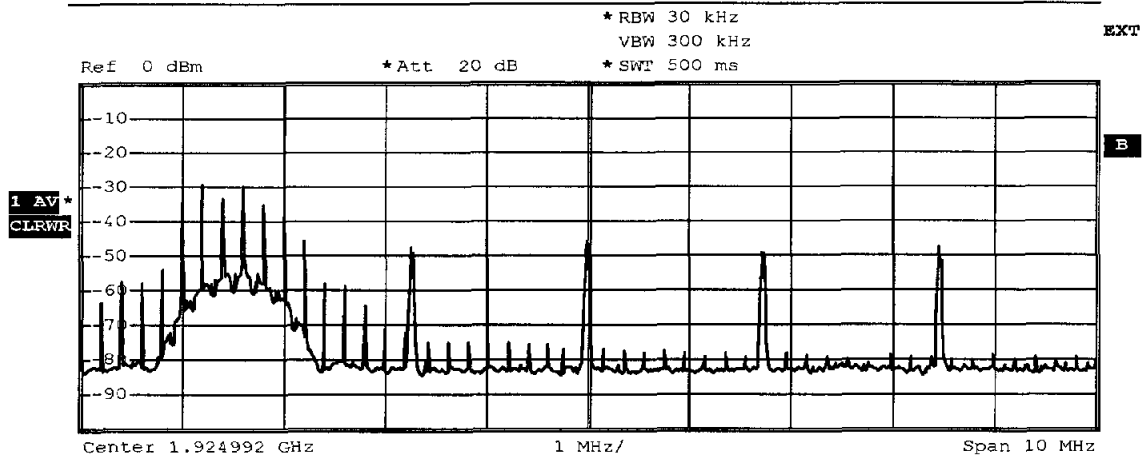
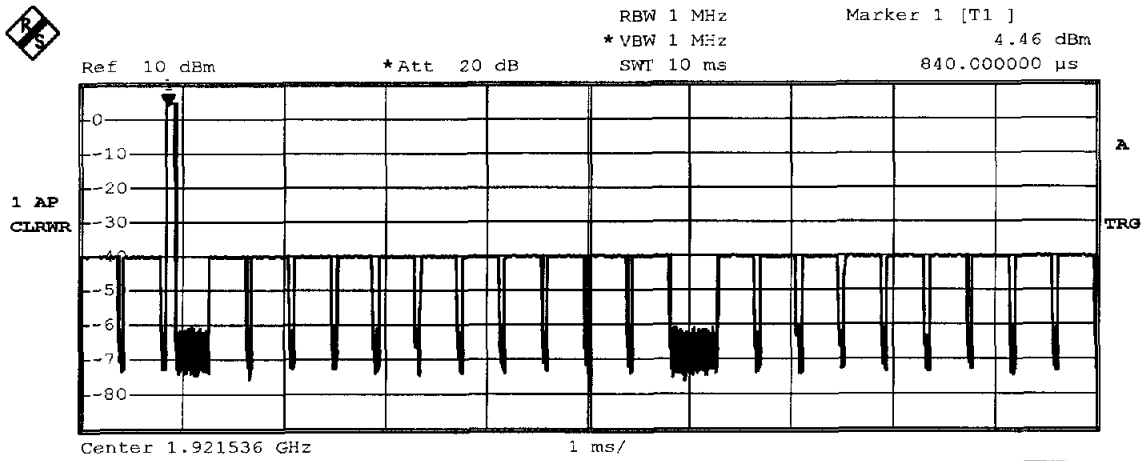


Comment: Ansi C63.17-1998 6.1.6.2
 Date: 11.JUL.2007 10:12:27

Measurement diagram

**ANSI C63.17-2006 Rev. Draft ANSI 8.1.2 Access criteria functional test
UPCS1900**

| | |
|-----------------------|--|
| EUT | KIRK base station 12 (DECT based UPCS Base station (RFP)) |
| Model | RFP12IP 1G9 |
| Approval Holder | KIRK telecom A/S |
| Temperature / Voltage | 23°C / Vnom |
| Test Site / Operator | ETS / Mr.Schlaps |
| Test Specification | ANSI C63.17-2006 Rev. Draft ANSI 8.1.2 Access criteria functional test |
| Comment 1 | CW interference on ch 2 (initial traffic channel) |
| Comment 2 | after the next pause |
| Comment 3 | New connection at channel 4 (1921,536 MHz), in time slot 2 (840 μs) |



Comment: _
 Date: 11.JUL.2007 10:35:14

Measurement diagram

Test case Rev. Draft ANSI_8.2.1_Acknowledgments_30s.xml
 Date 11.07.2007 11:13:51
 Reference to the EUT G0M20707-1523 / RFP12IP 1G9
 Comment: 8.2.1 Acknowledgments for b) and c)
 KIRK base station 12 (DECT based UPCS Base station (RFP))
 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 | |
| 00:00:14.0156250 | -48,4 -51,8 | -43,2 -51,9 | -21,7 -41,8 | -37,9 -52,3 | -51,3 -52,1 | Connection |
| 00:00:30.6250000 | -48,5 -51,8 | -47,1 -51,9 | -21,6 -42,3 | -38,3 -52,4 | -48 -52,1 | block acknowledgements from the companion device |
| 00:00:36.6562500 | -40,7 -51,8 | -37,2 -51,9 | -21,3 -46,9 | -40,5 -52,4 | -43,3 -52,1 | dummy bearer on channel 2 |

Log file

Appendix P

Selected channel, power accuracy, segment occupancy

Test case
confirmation.xml

Rev. Draft ANSI_7.3.4_selected channel

Reference to the EUT

Date 11.07.2007 07:59:05
G0M20707-1523 / RFP12IP 1G9

Comment:

initial setup

KIRK base station 12 (DECT based UPCS Base station (RFP))
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 | |
| 00:50:45.4062500 | -86,3 -94,9 | -85,3 -94,7 | -85,5 -94,8 | -85,8 -94,8 | -84,6 -94,7 | Interferer off |
| 00:50:51.8906250 | -52,5 -52,7 | -52,5 -52,6 | -52 -52,2 | -70,6 -72,4 | -70,7 -72,2 | Interferer on |
| 00:51:20.6875000 | -45 -51,9 | -43,9 -52 | -47,3 -51,8 | -36,4 -67,5 | -21,6 -47,6 | OK 1 |
| 00:52:45.2187500 | -43,1 -51,9 | -45,9 -52 | -35,6 -51,7 | -21 -47,2 | -39,3 -69,3 | OK 2 |

Log file

Appendix Q

Duplex connections

Appendix R

Emissions inside and outside the sub-band

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

**Testprocedure ANSI 63.17-2006 6.1.6.1
UPCS**

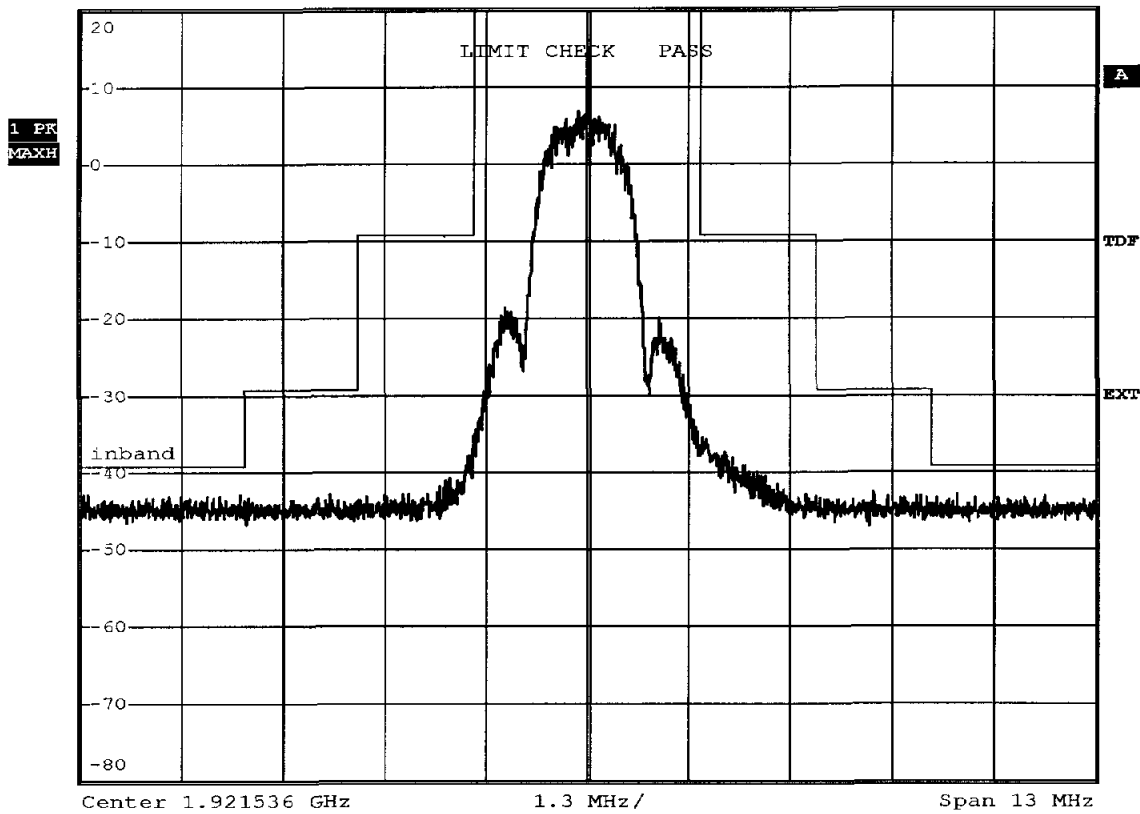
| | |
|----------------------|---|
| EUT | KIRK base station 12 (DECT based UPCS Base station (RFP)) |
| Model | RFP12IP 1G9 |
| Applicant | KIRK telecom A/S |
| Temperature | 23°C |
| Test Site / Operator | ETS Reichenwalde |
| Test Specification | 6.1.6.1 In-band unwanted emission |
| | 1.46MHz |



In-band unwanted emis

*RBW 10 kHz
*VBW 30 kHz
*SWT 23 s

Ref 20 dBm *Att 30 dB



Comment: Ansi C63.17-2006 6.1.6.1
Date: 10.JUL.2007 12:57:13

Measurement diagram

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

Testprocedure ANSI 63.17-2006 6.1.6.1 UPCS

| | |
|----------------------|---|
| EUT | KIRK base station 12 (DECT based UPCS Base station (RFP)) |
| Model | RFP12IP 1G9 |
| Applicant | KIRK telecom A/S |
| Temperature | 23°C |
| Test Site / Operator | ETS Reichenwalde |
| Test Specification | 6.1.6.1 In-band unwanted emission |

1.46MHz

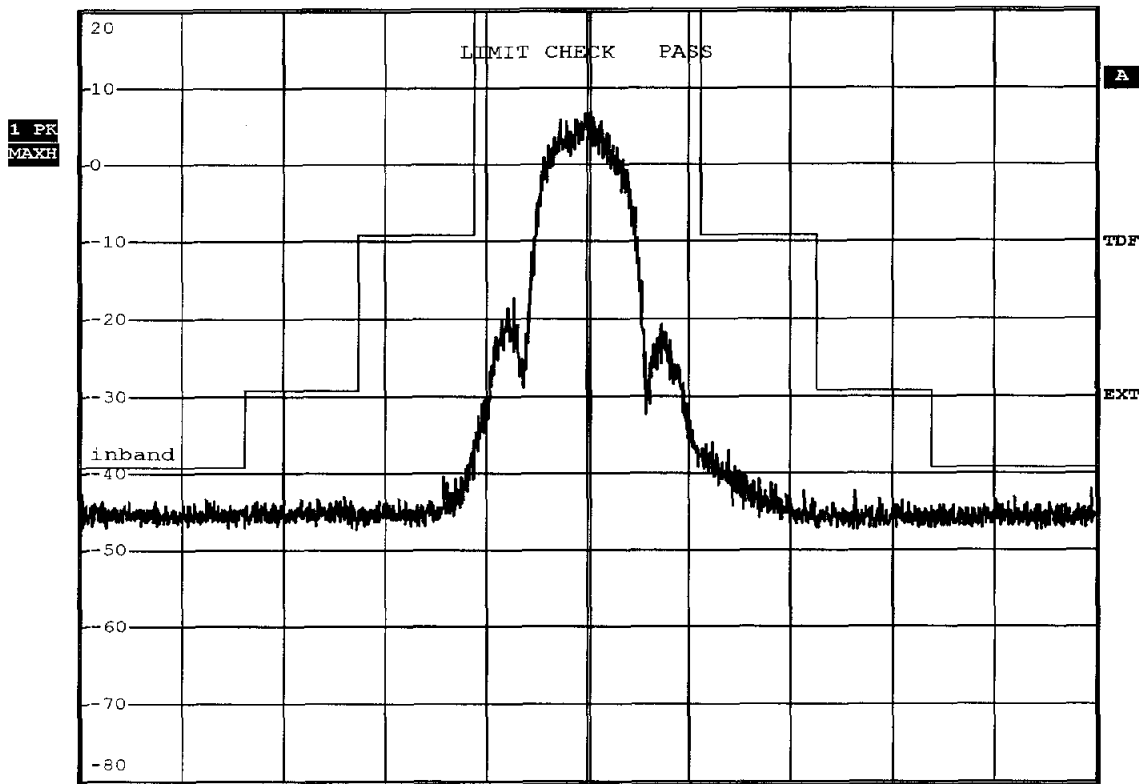


In-band unwanted emis

*RBW 10 kHz
 *VBW 30 kHz
 *SWT 23 s

Ref 20 dBm

*Att 30 dB



Center 1.928448 GHz

1.3 MHz/

Span 13 MHz

Comment: Ansi C63.17-2006 6.1.6.1

Date: 10.JUL.2007 13:03:22

Measurement diagram

ETS Product Service AG

Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

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

Testprocedure ANSI 63.17-2006 6.1.6.2 UPCS

| | |
|----------------------|---|
| EUT | KIRK base station 12 (DECT based UPCS Base station (RFP)) |
| Model | RFP12IP 1G9 |
| Applicant | KIRK 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

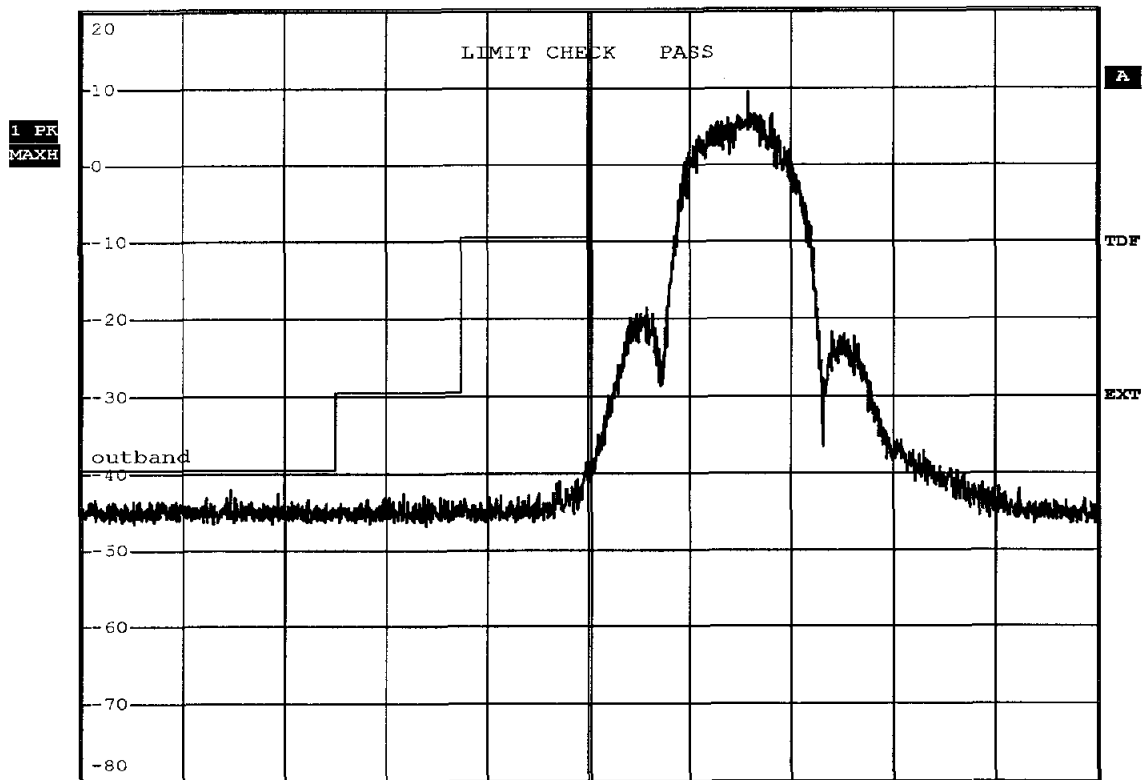


Out-of-band emission

*RBW 10 kHz
*VBW 30 kHz
*SWT 23 s

Ref 20 dBm

*Att 30 dB



Center 1.92 GHz

1 MHz/

Span 10 MHz

Comment: Ansi C63.17-2006 6.1.6.2

Date: 10.JUL.2007 13:00:13

Measurement diagram

ETS Product Service AG

Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

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

**Testprocedure ANSI 63.17-2006 6.1.6.2
UPCS**

| | |
|----------------------|---|
| EUT | KIRK base station 12 (DECT based UPCS Base station (RFP)) |
| Model | RFP12IP 1G9 |
| Applicant | KIRK 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

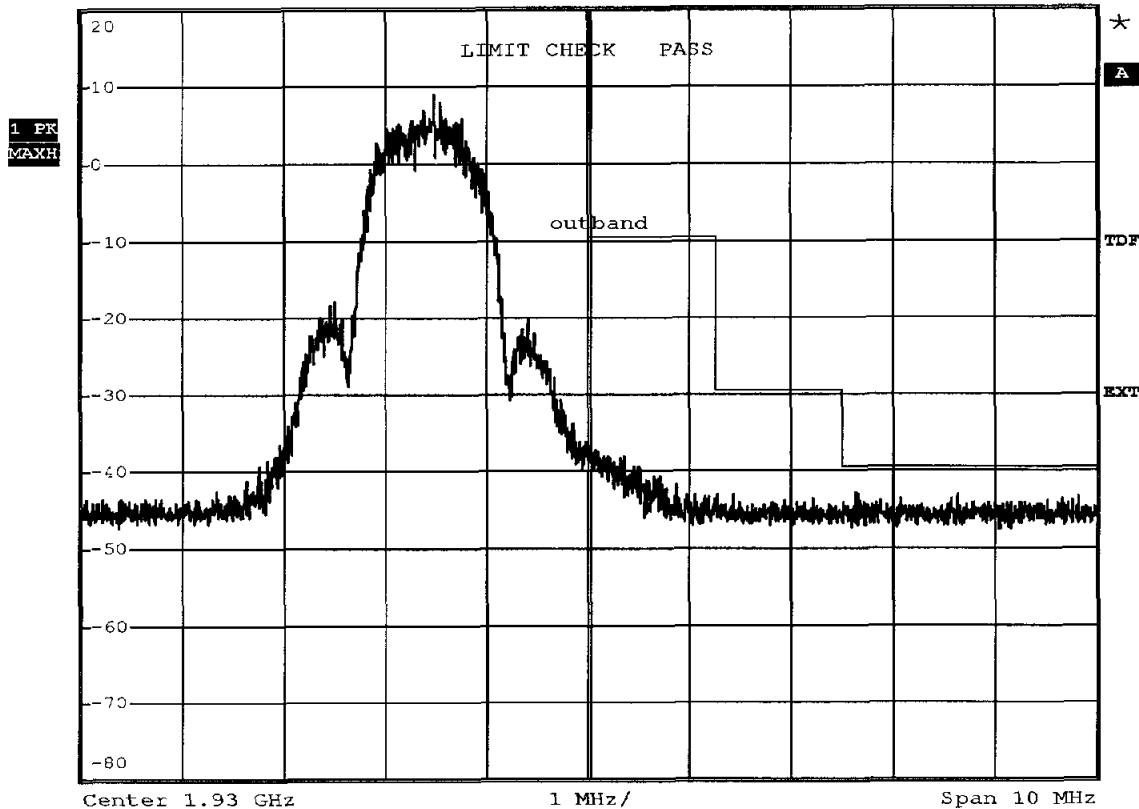


Out-of-band emission

*RBW 10 kHz
*VBW 30 kHz
*SWT 23 s

Ref 20 dBm

*Att 30 dB



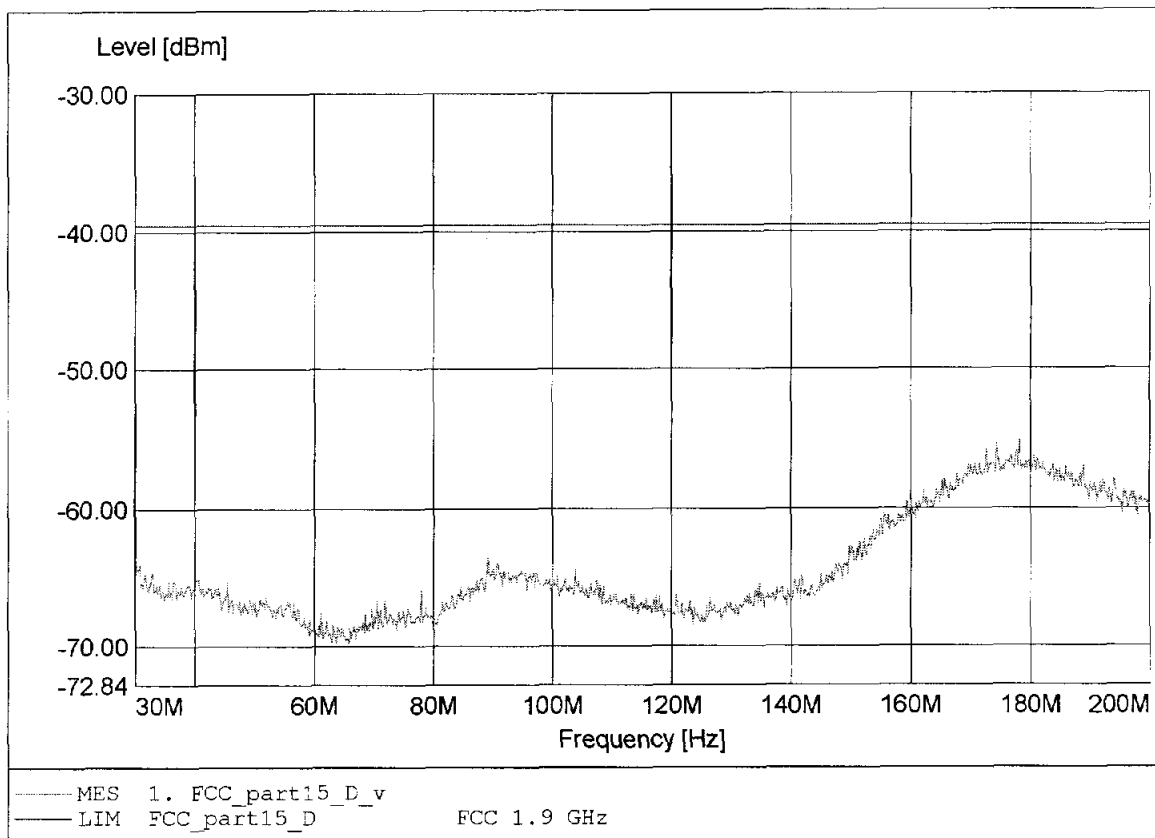
Comment: Ansi C63.17-2006 6.1.6.2
Date: 10.JUL.2007 13:04:58

Measurement diagram

Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

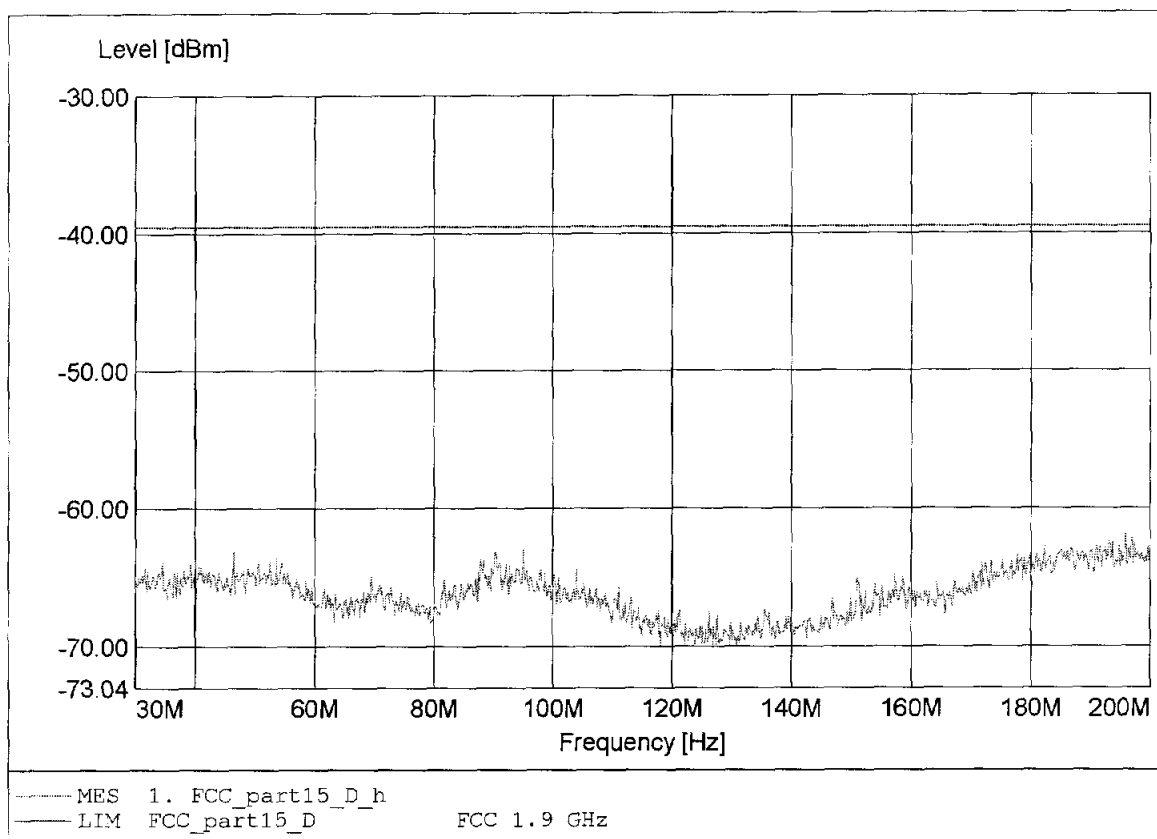
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HK 116,
Comment 2: Freq:178.089MHz Pmax:-55.19dBm REW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

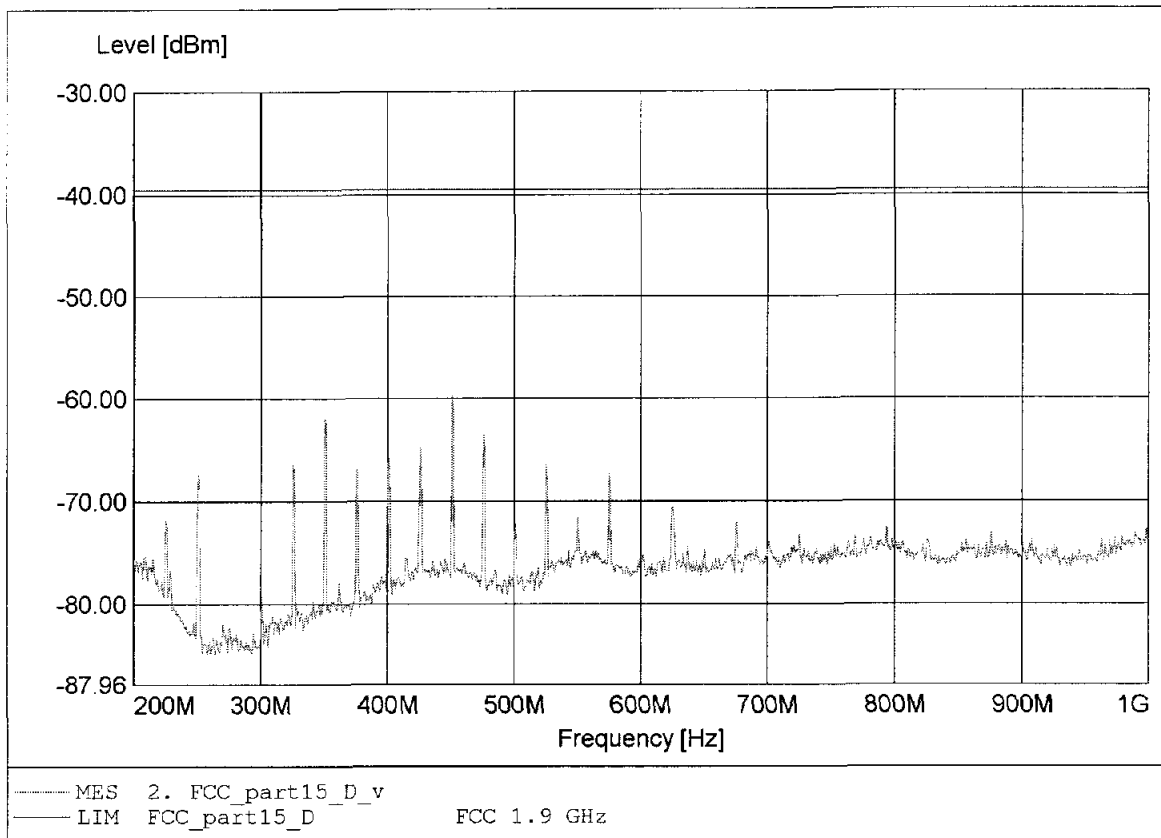
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HK 116,
Comment 2: Freq:195.844MHz Pmax:-61.80dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

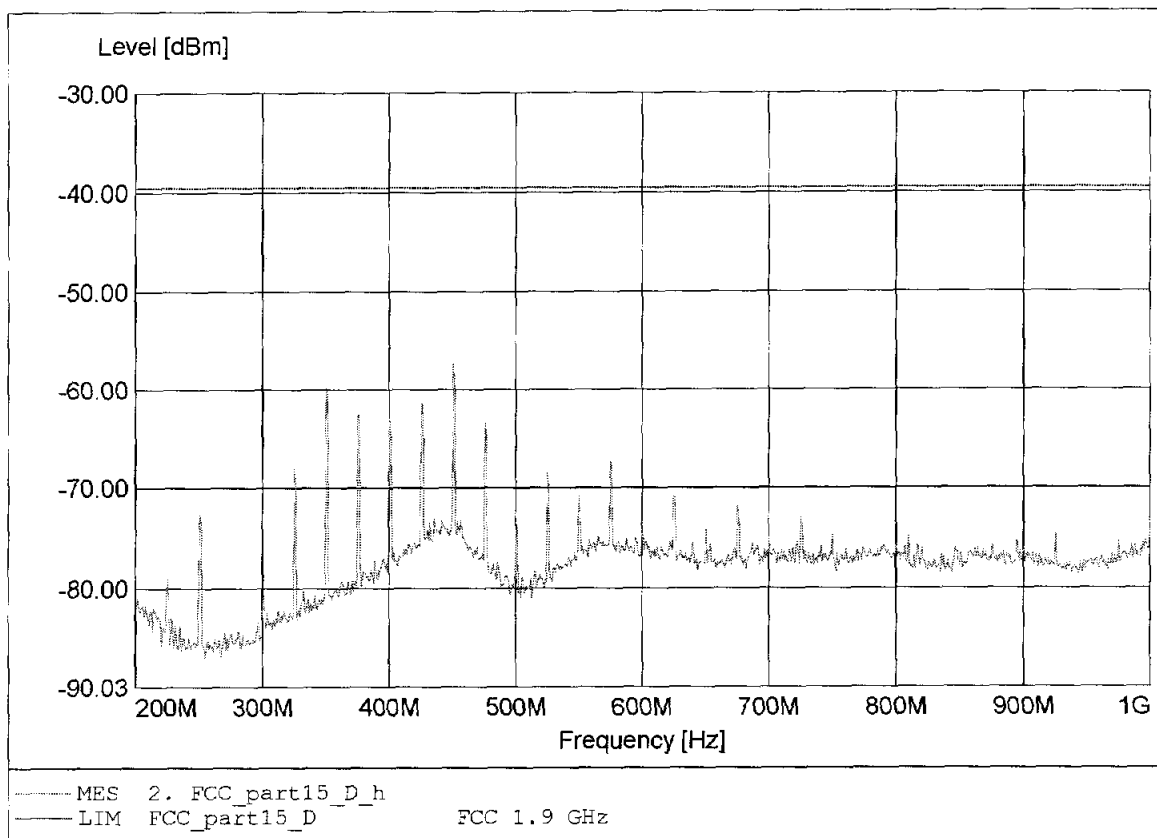
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cersovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:450.667MHz Pmax:-59.78dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

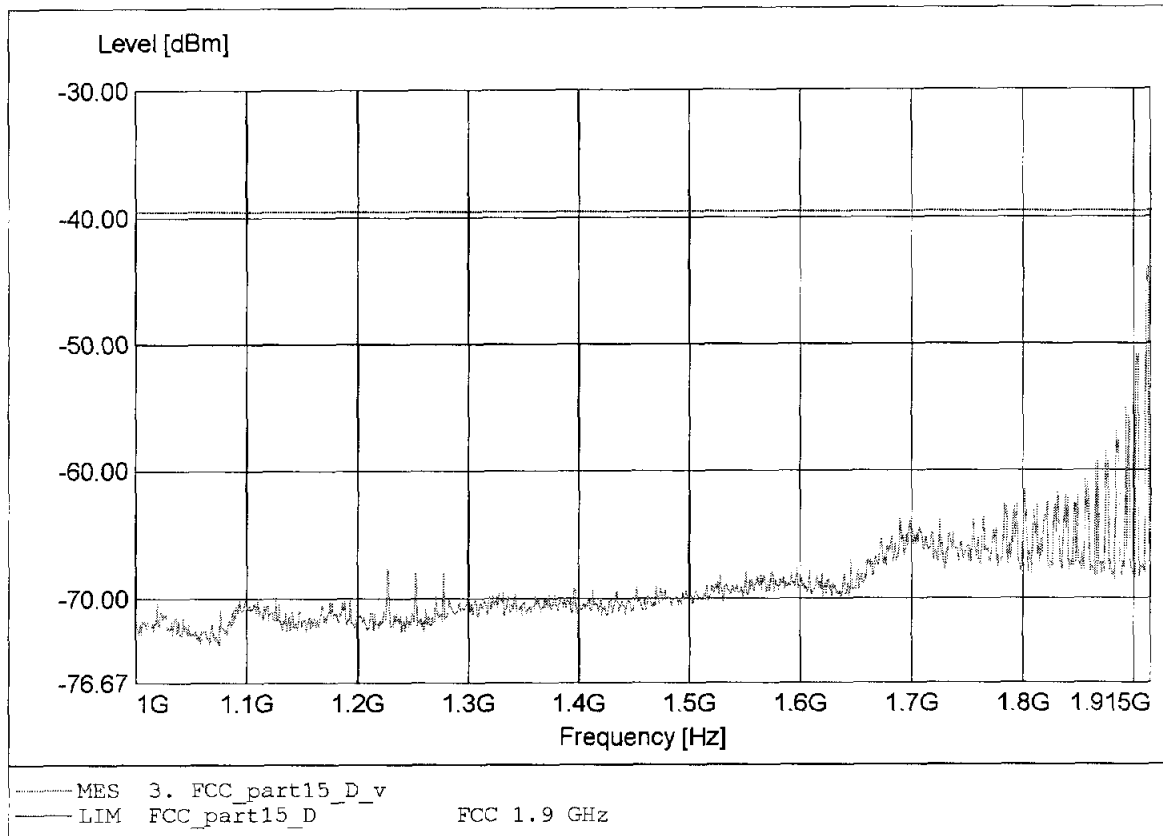
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:450.667MHz Pmax:-57.41dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

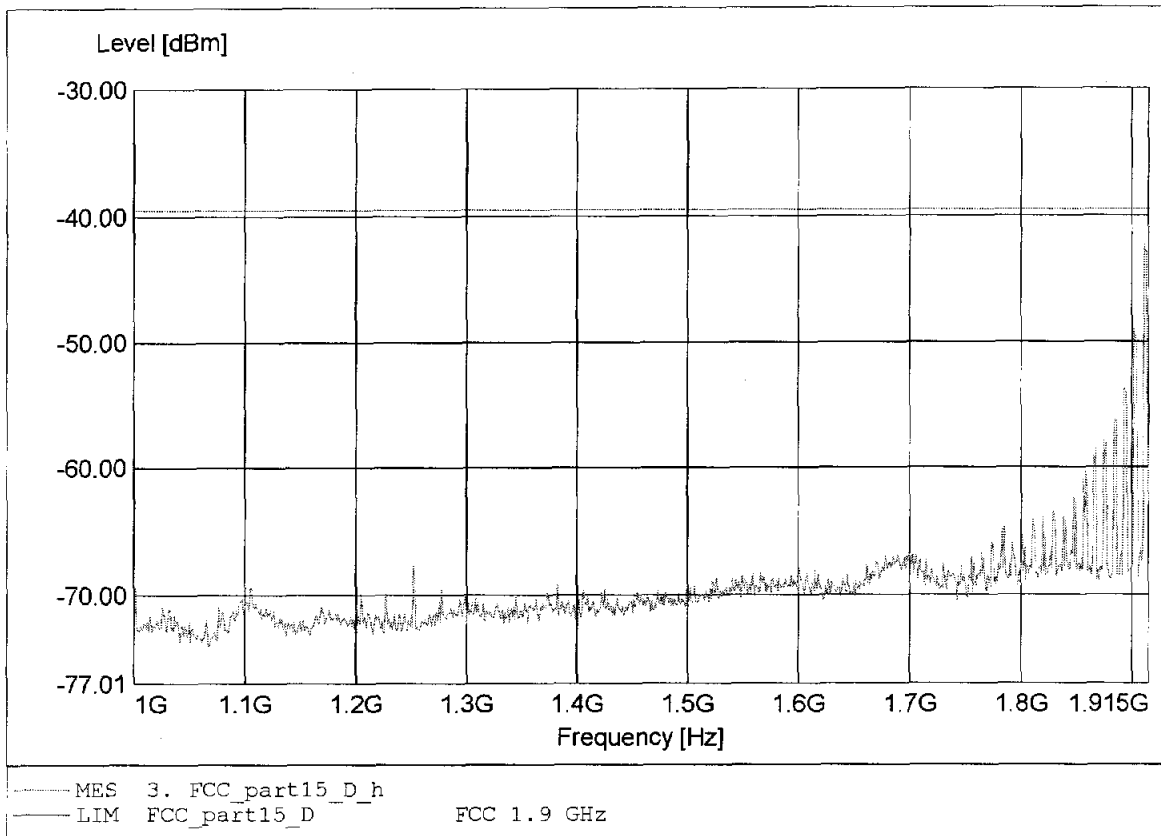
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.911GHz Pmax:-43.69dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

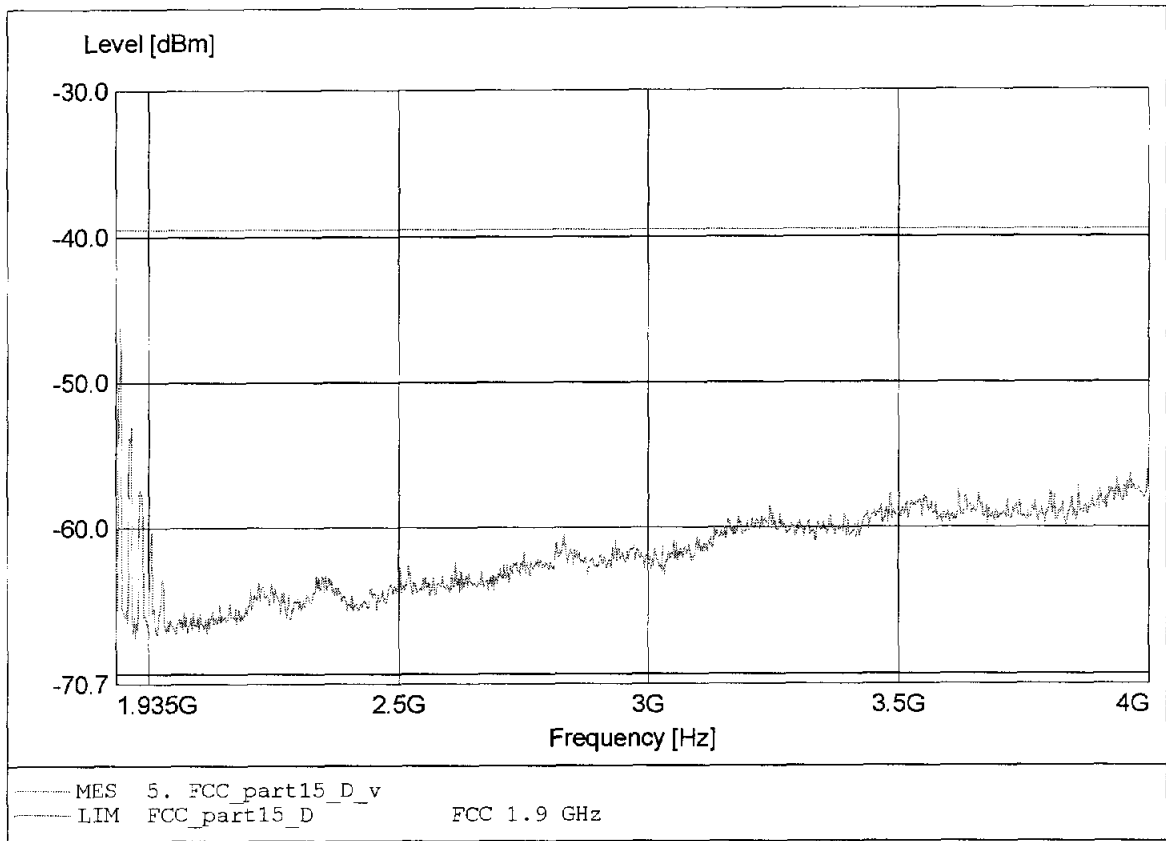
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.911GHz Pmax:-42.27dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

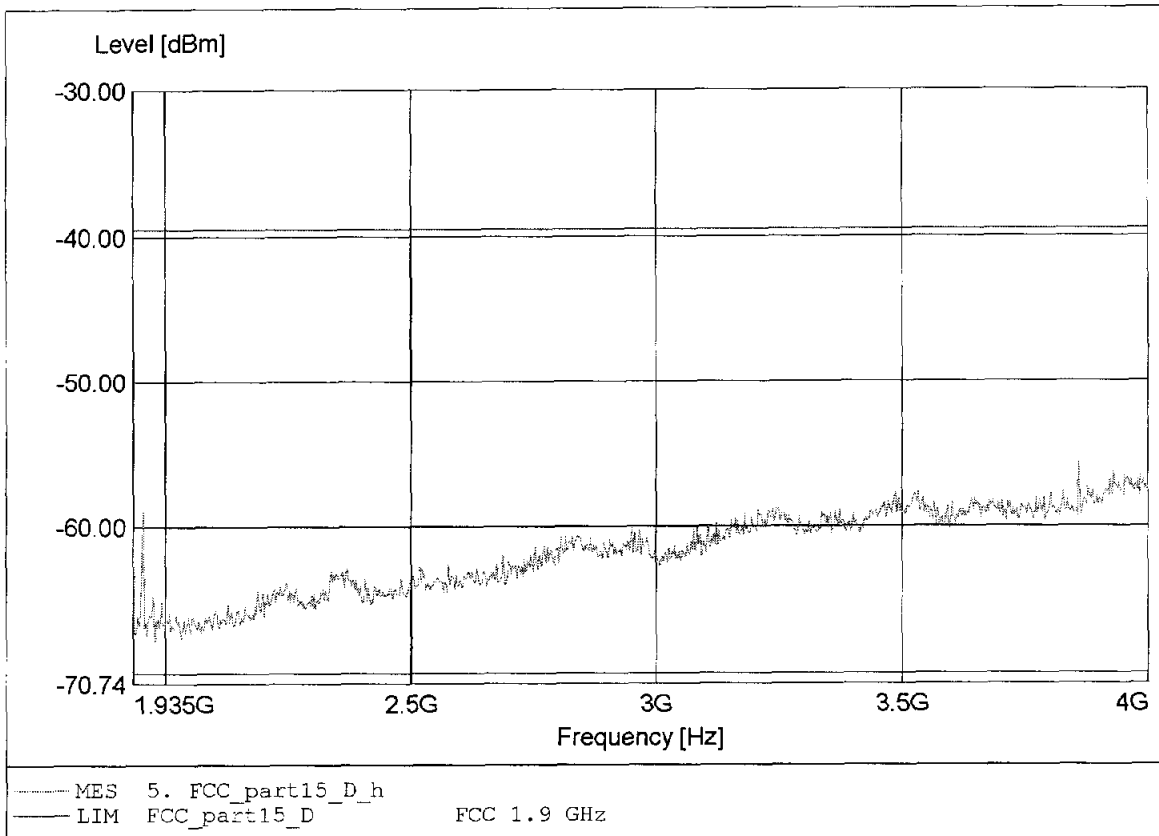
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Uncom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.944GHz Pmax:-46.23dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

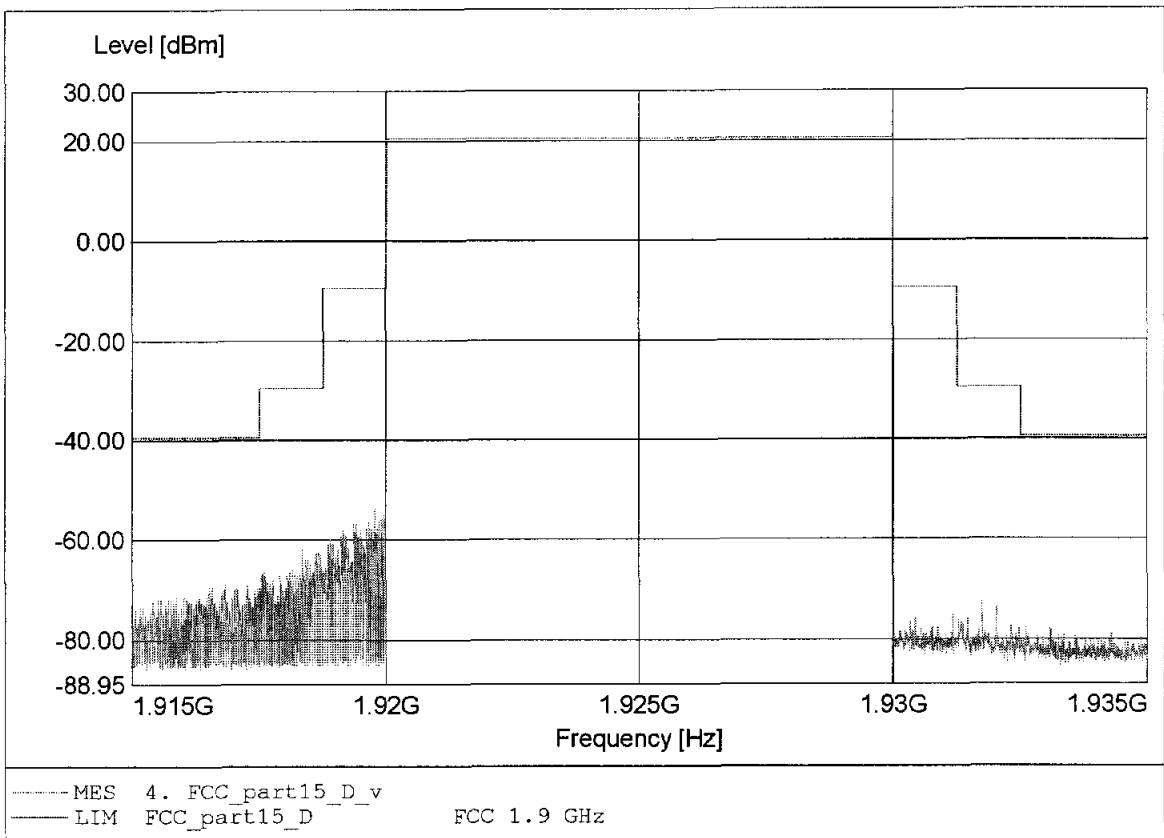
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:3.858GHz Pmax:-55.73dBm RBW: 100 kHz



Spurious emissions under normal conditions

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

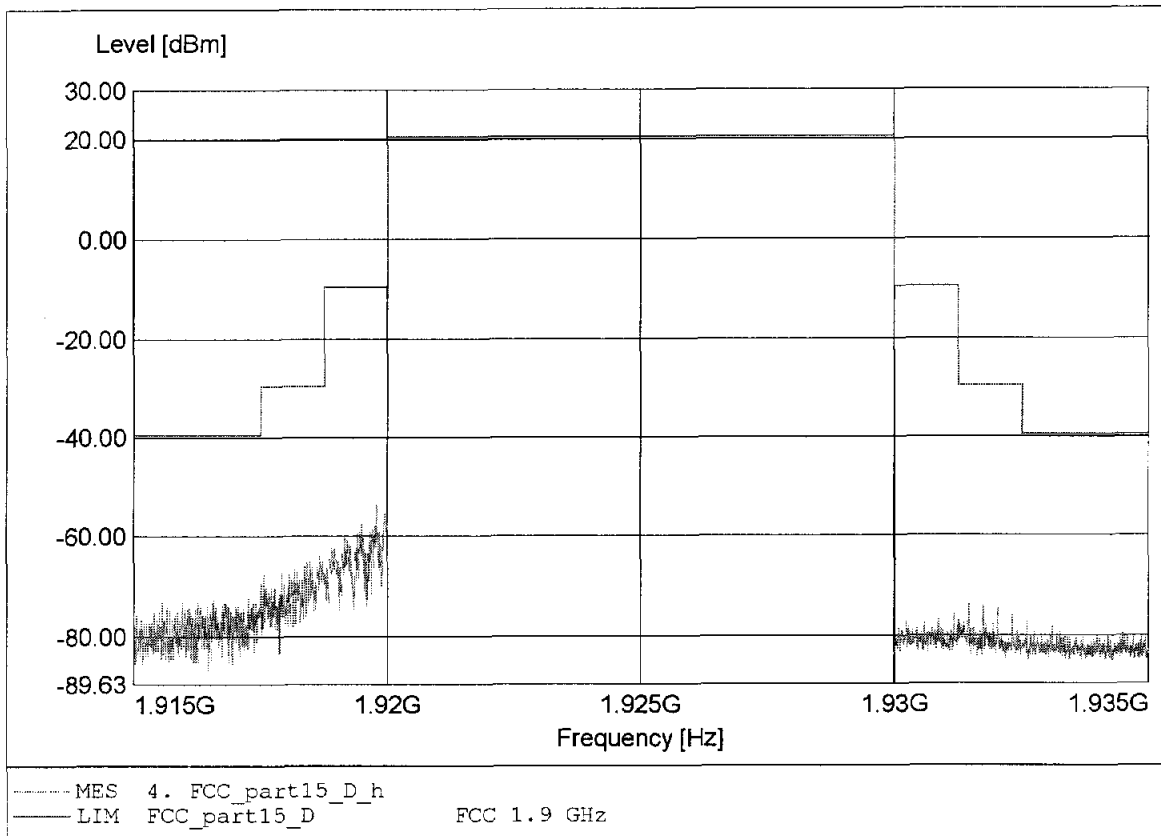
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 4 / even
Operator : ETS / Mr. Cersovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.920GHz Pmax:-53.56dBm RBW: 10 kHz



Spurious emissions under normal conditions

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

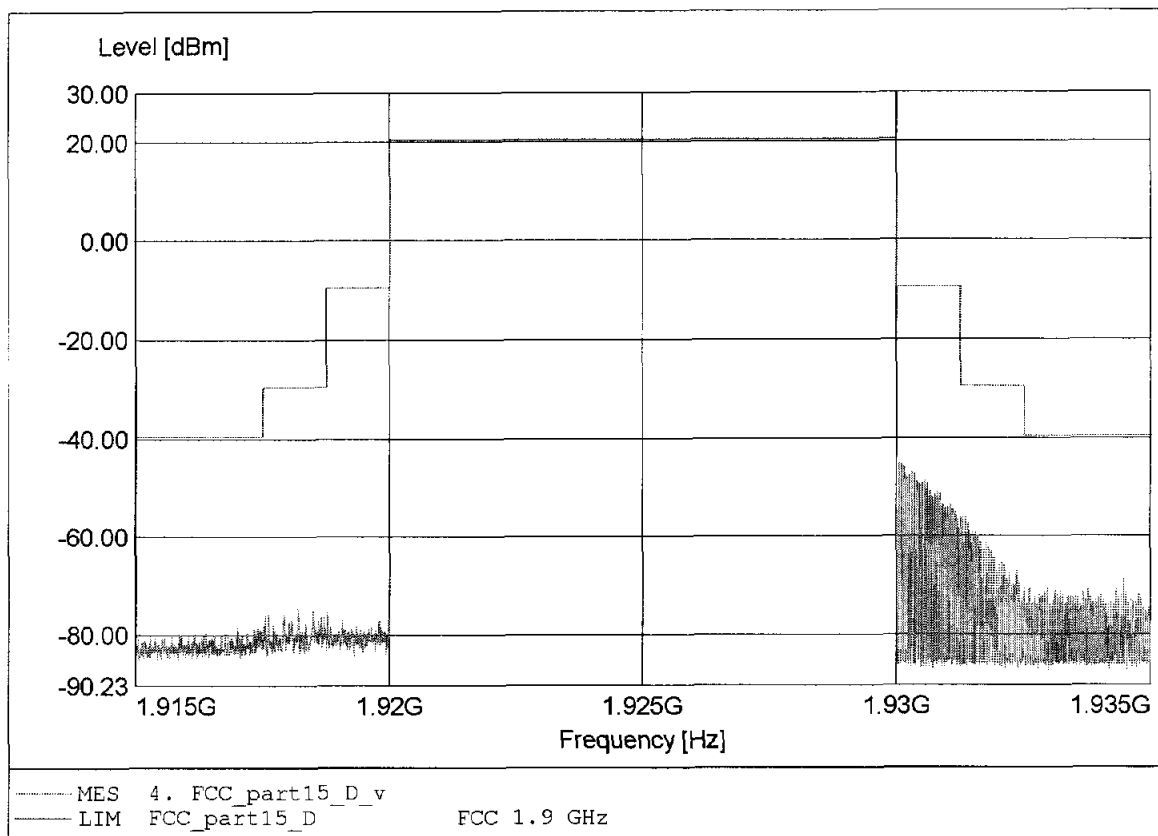
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 4 / even
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.920GHz Pmax:-53.61dBm RBW: 10 kHz



Spurious emissions under normal conditions

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

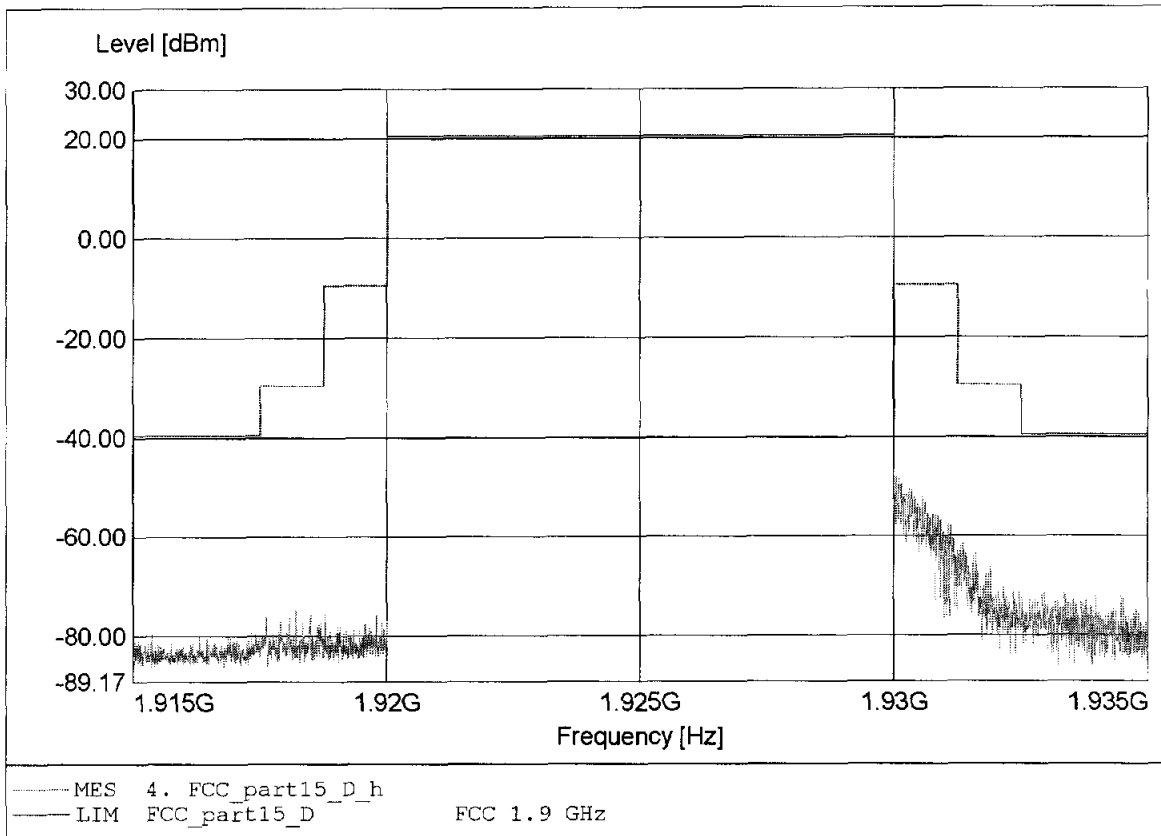
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0 / even
Operator : ETS / Mr. Cersovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.930GHz Pmax:-43.92dBm RBW: 10 kHz



Spurious emissions under normal conditions

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

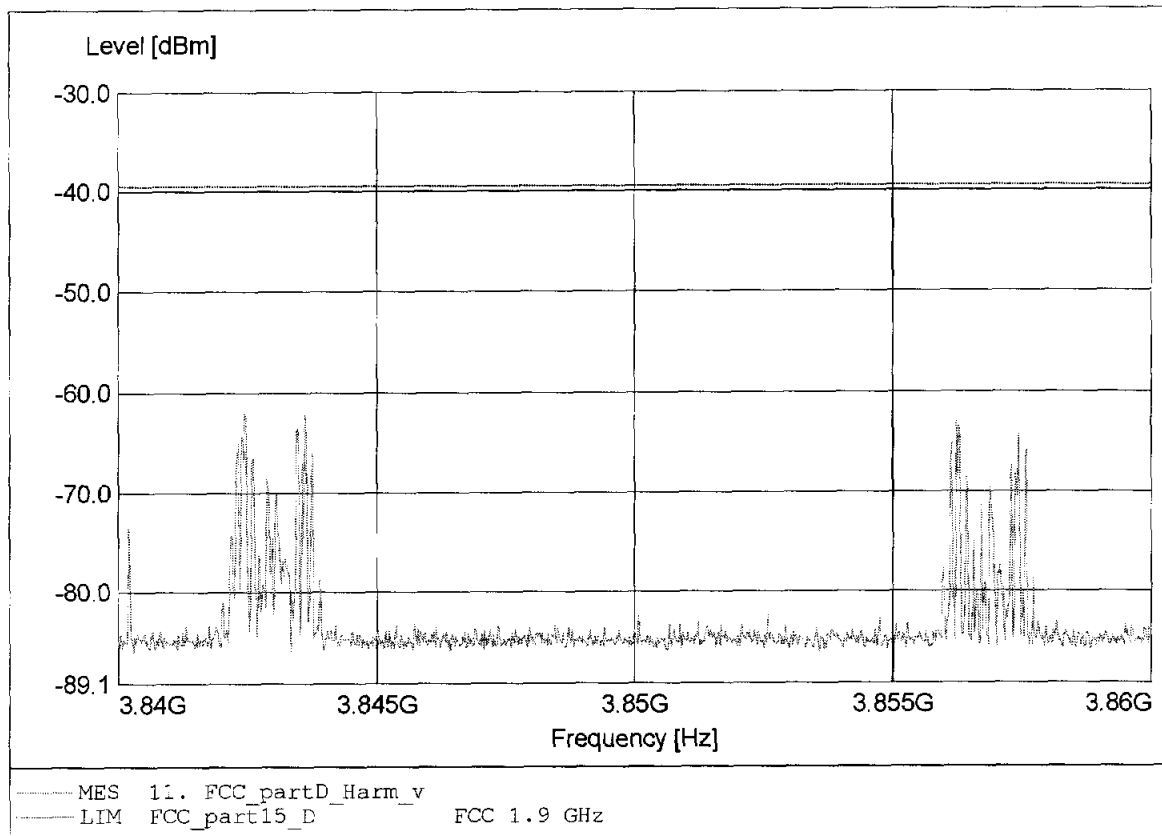
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0 / even
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.930GHz Pmax:-46.82dBm RBW: 10 kHz



Spurious emissions under normal conditions

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

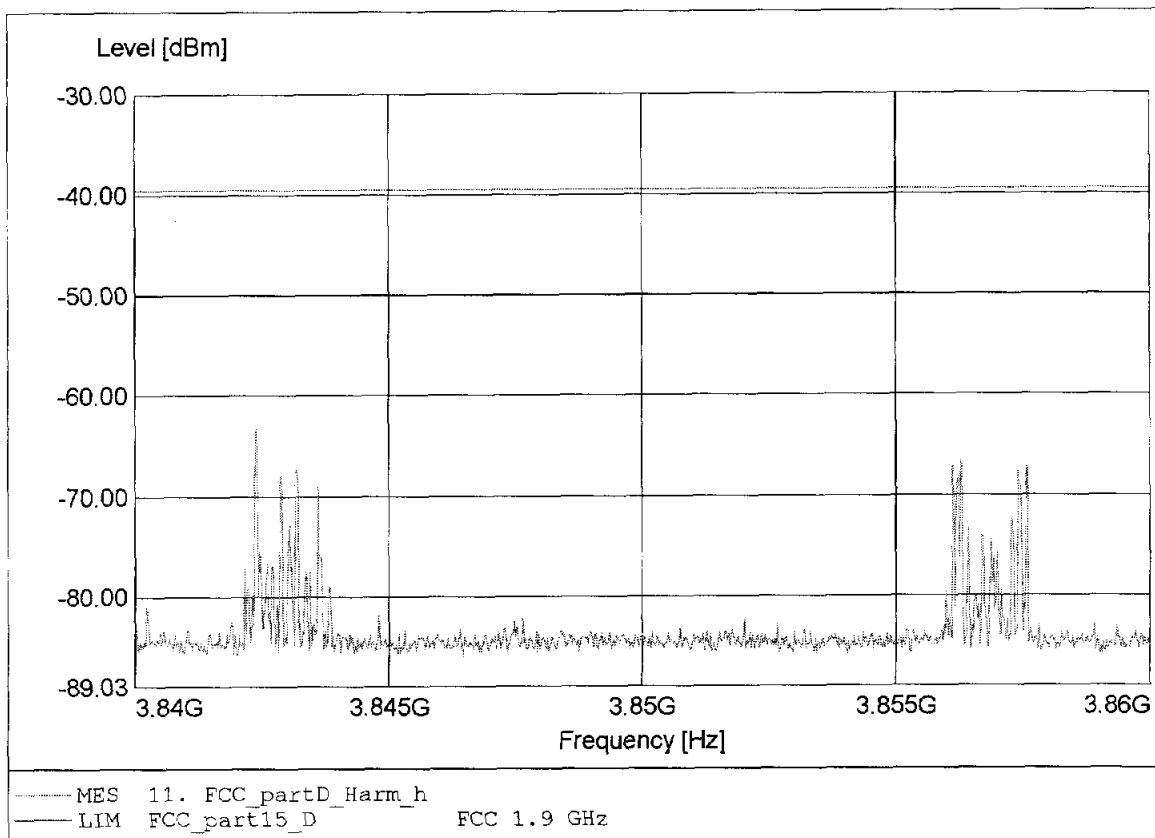
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:3.842GHz Pmax:-61.93dBm RBW:10 kHz



Spurious emissions under normal conditions

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

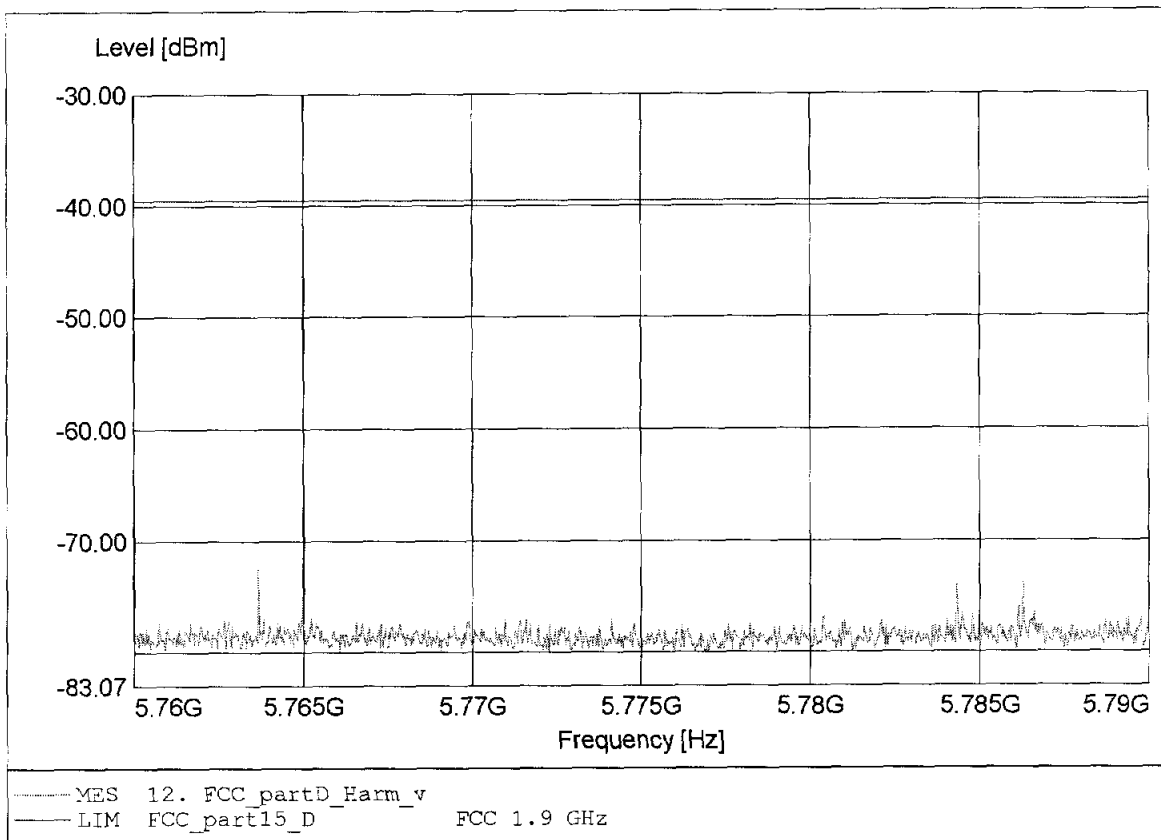
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:3.842GHz Pmax:-63.32dBm REW:10 kHz



Spurious emissions under normal conditions

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

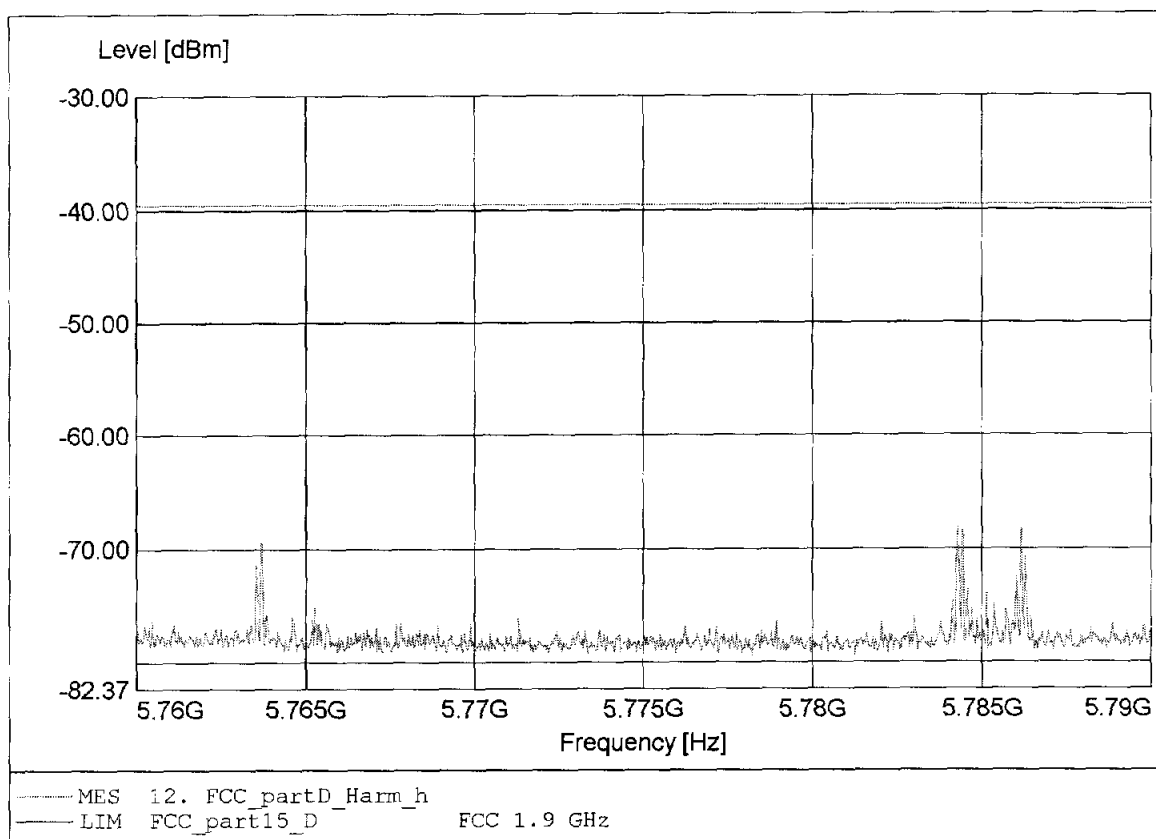
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cersovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:5.764GHz Pmax:-72.47dBm RBW:10 kHz



Spurious emissions under normal conditions

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

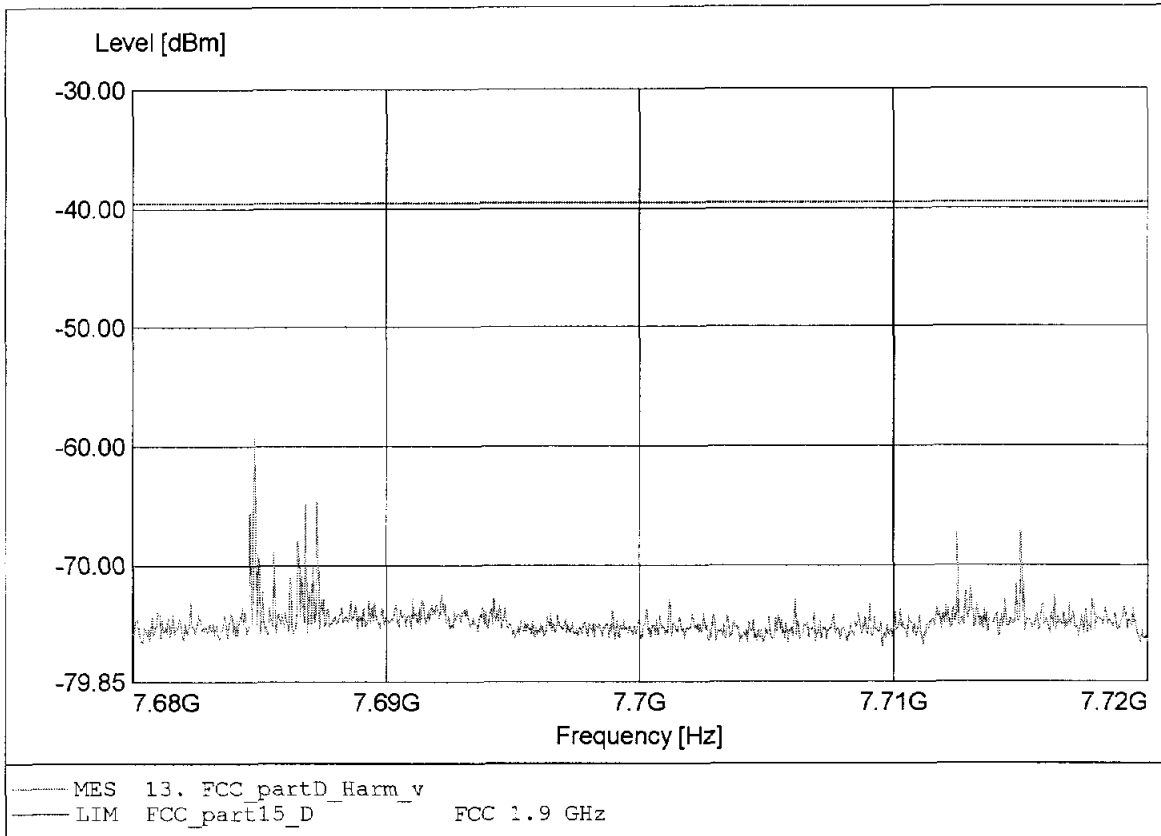
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:5.784GHz Pmax:-68.12dBm RBW:10 kHz



Spurious emissions under normal conditions

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

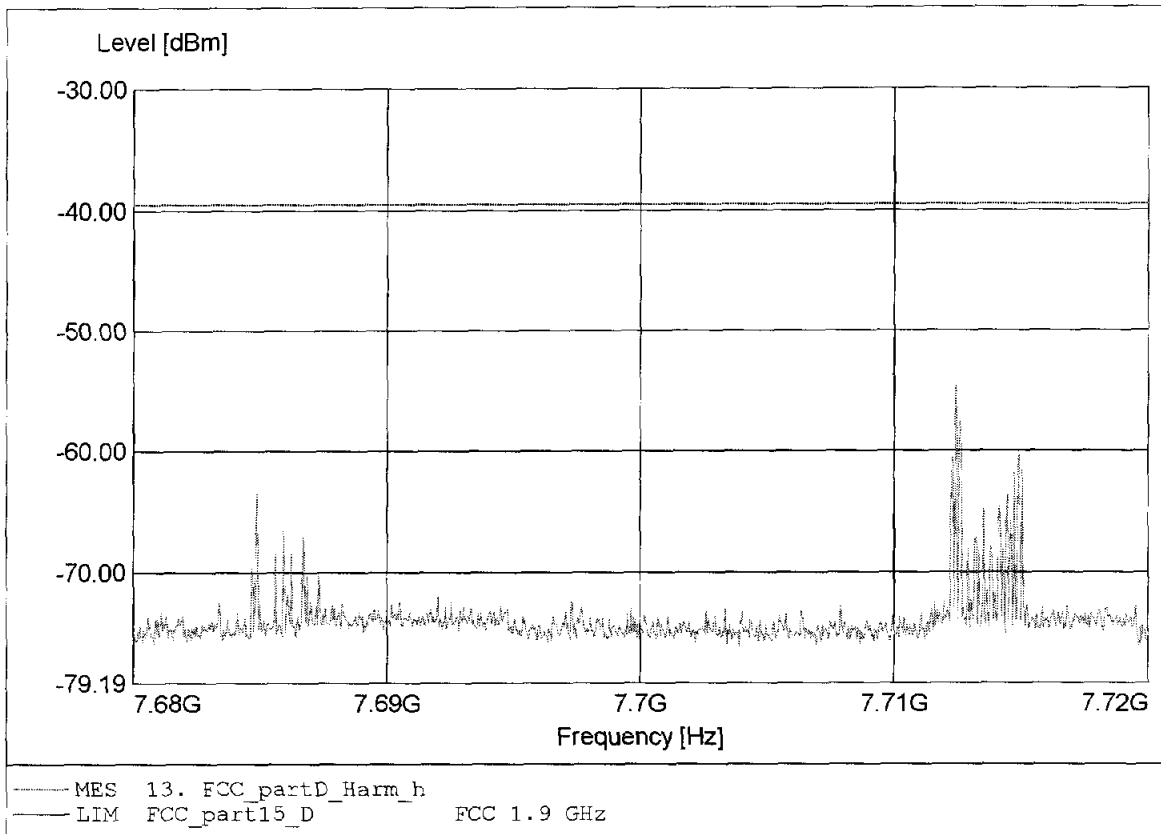
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:7.685GHz Pmax:-59.23dBm RBW:10 kHz



Spurious emissions under normal conditions

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

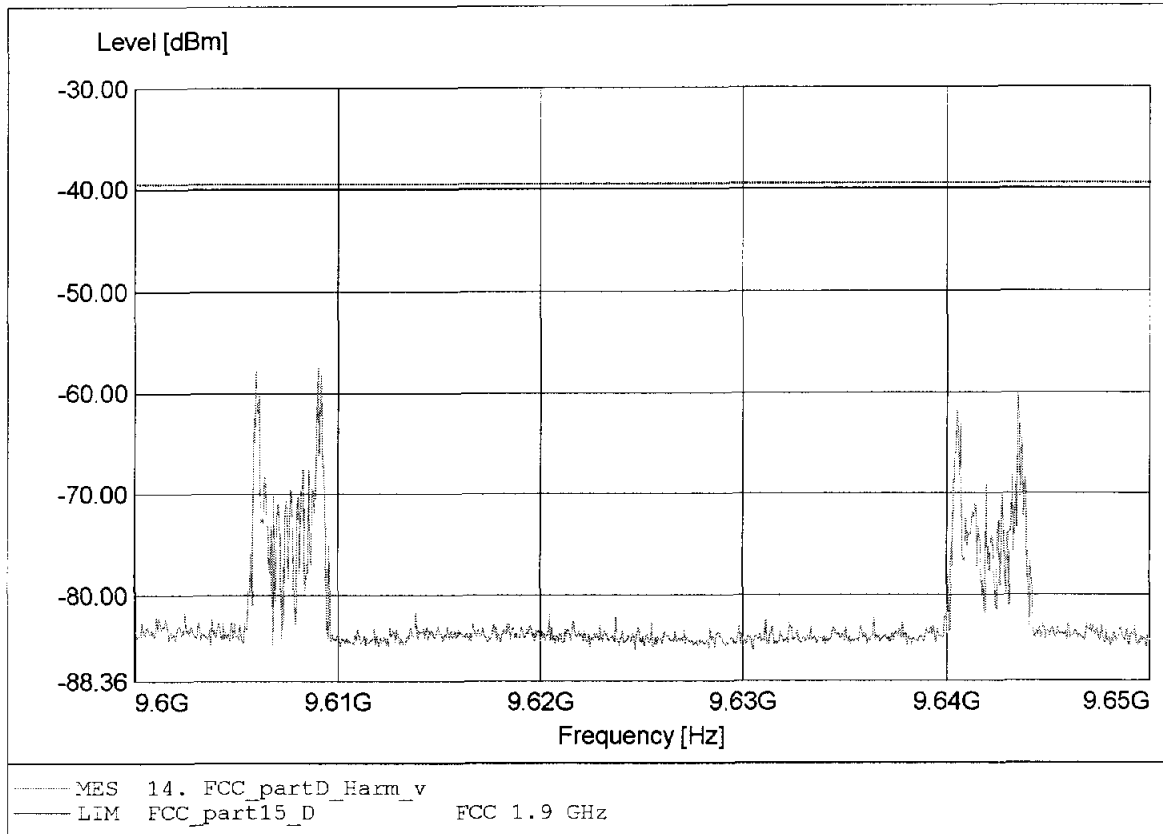
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:7.712GHz Pmax:-54.70dBm RBW:10 kHz



Spurious emissions under normal conditions

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

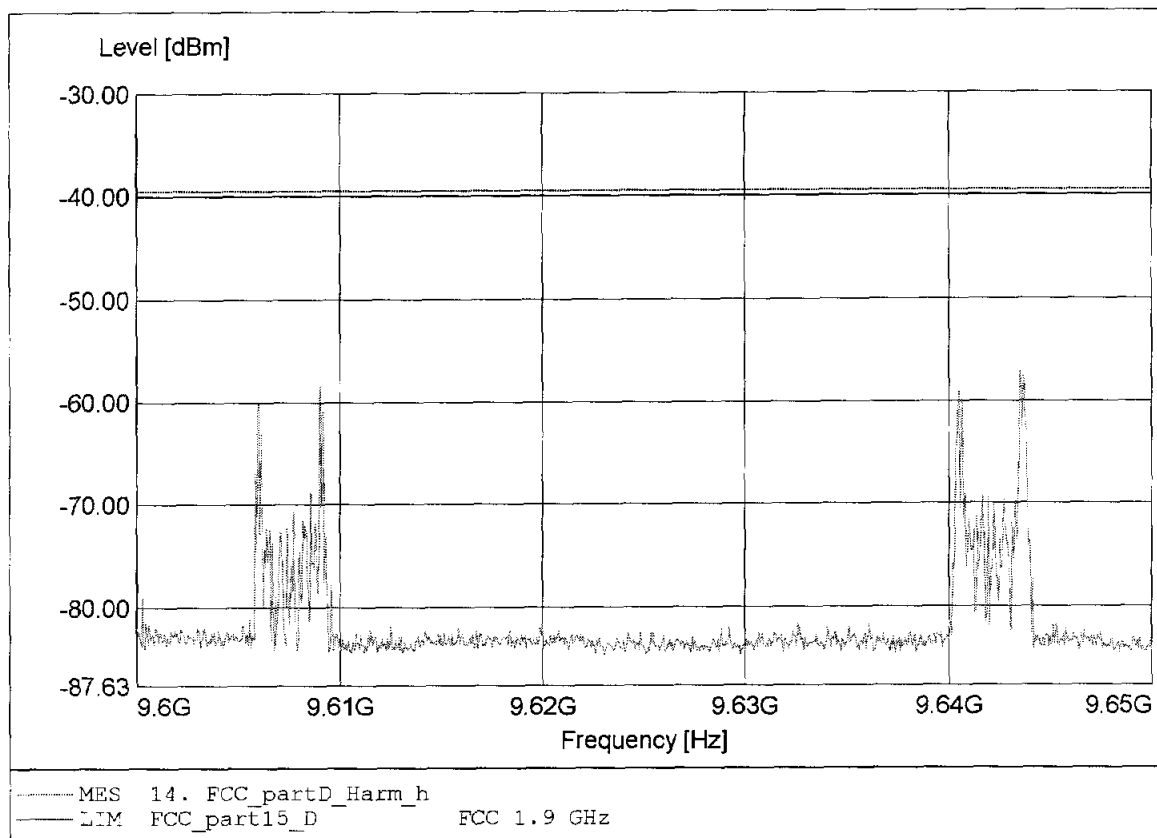
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:9.609GHz Pmax:-57.35dBm RBW:10 kHz



Spurious emissions under normal conditions

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

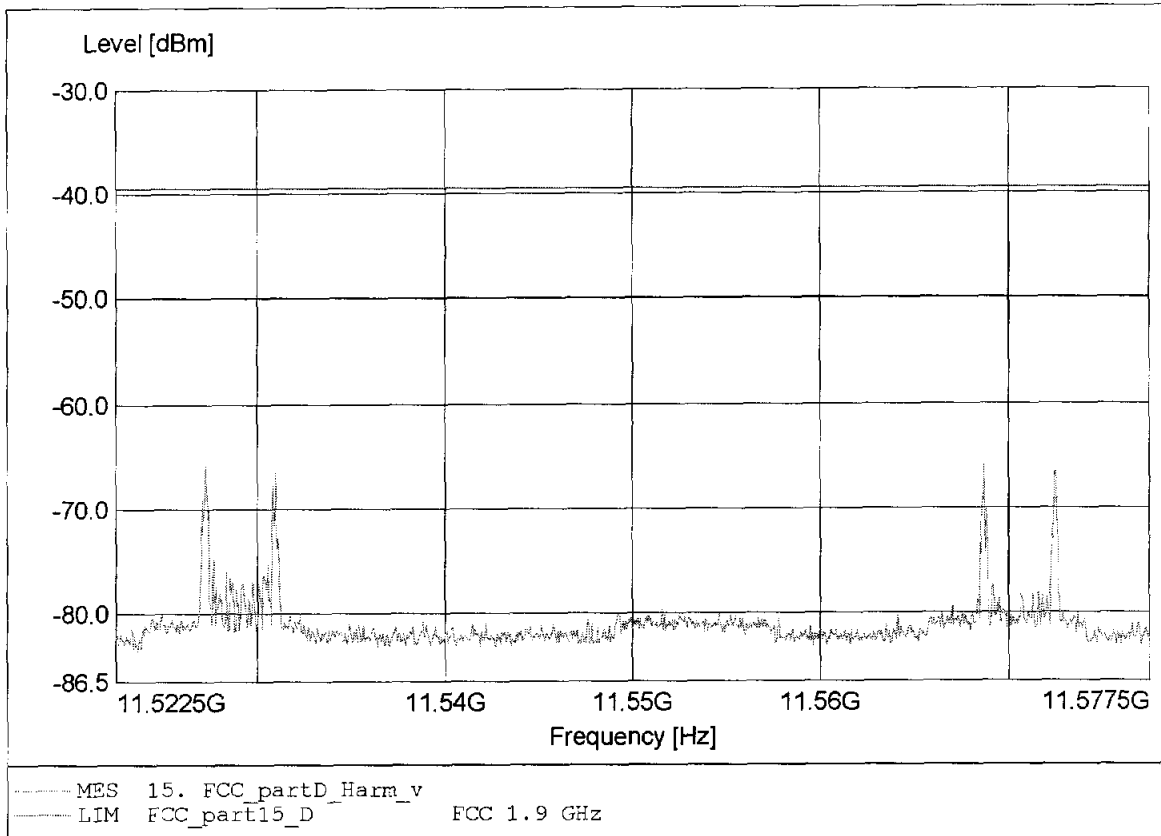
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:9.644GHz Pmax:-57.09dBm RBW:10 kHz



Spurious emissions under normal conditions

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

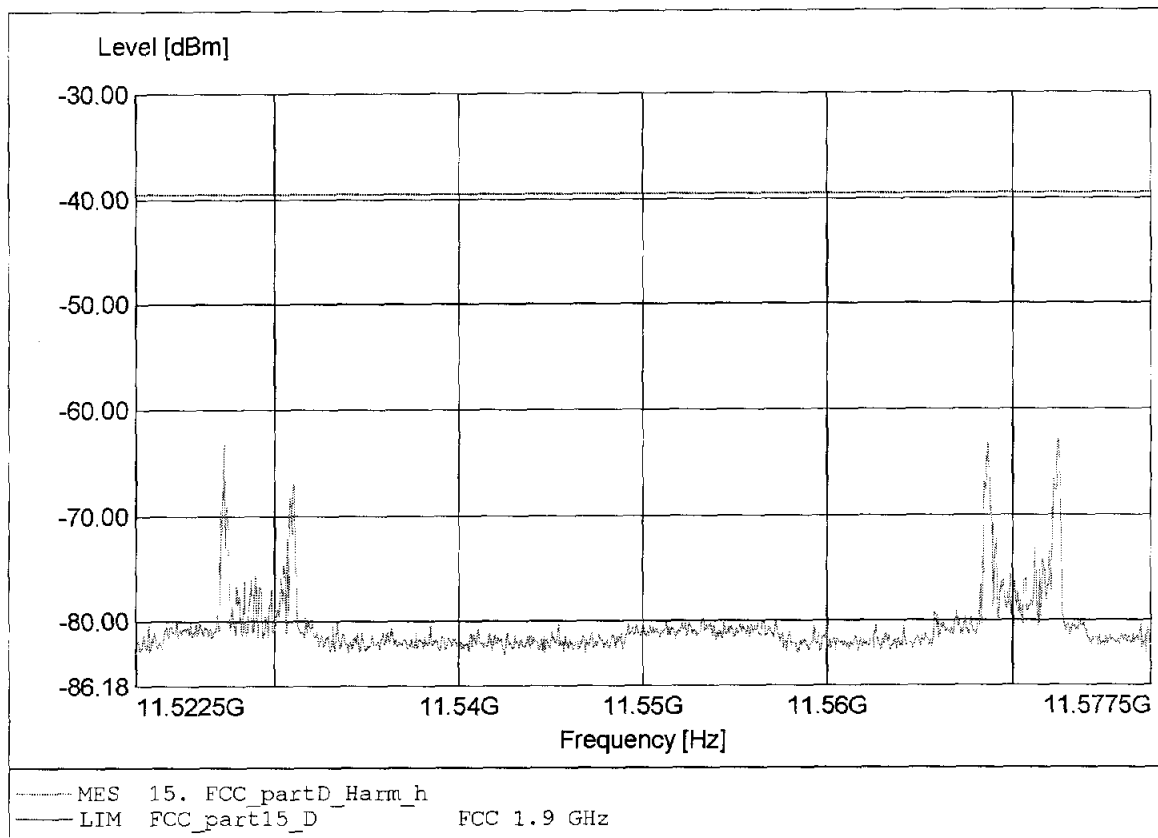
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cersovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:11.527GHz Pmax:-65.77dBm RBW:10 kHz



Spurious emissions under normal conditions

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

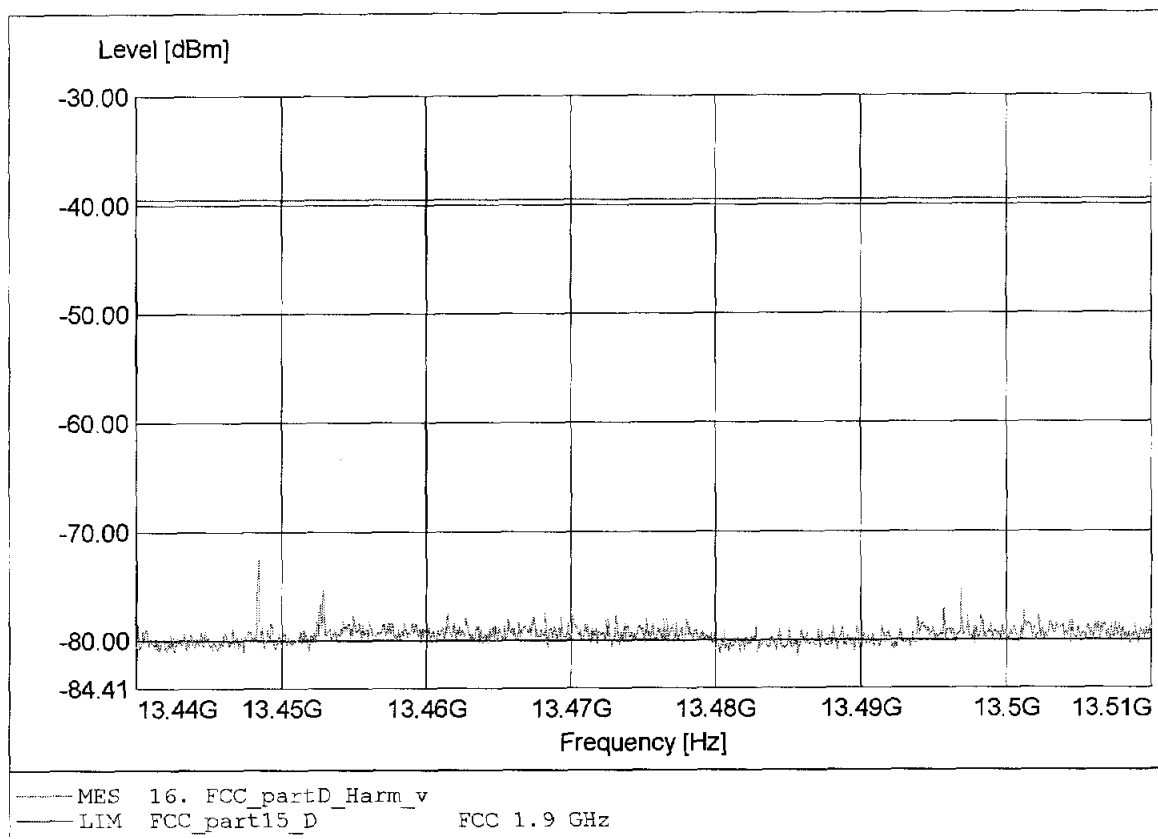
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:11.572GHz Pmax:-62.82dBm REW:10 kHz



Spurious emissions under normal conditions

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

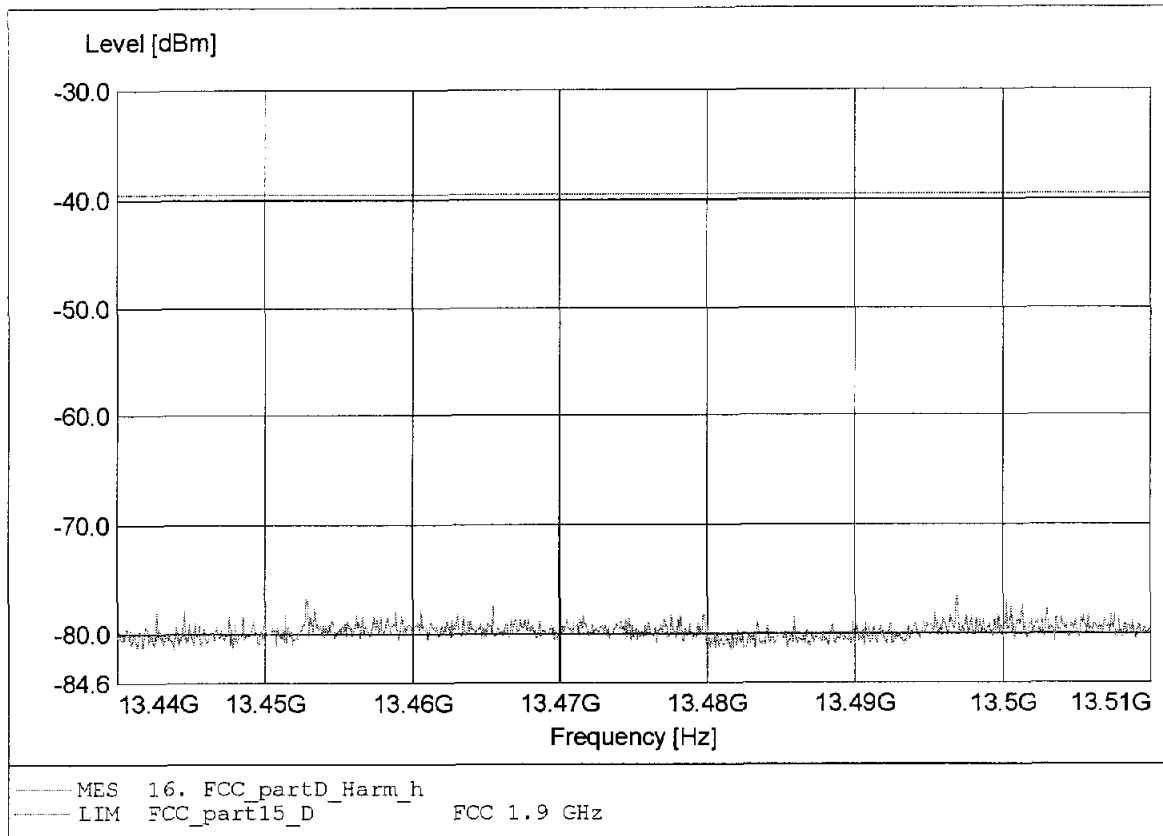
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:13.448GHz Pmax:-72.55dBm RBW:10 kHz



Spurious emissions under normal conditions

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

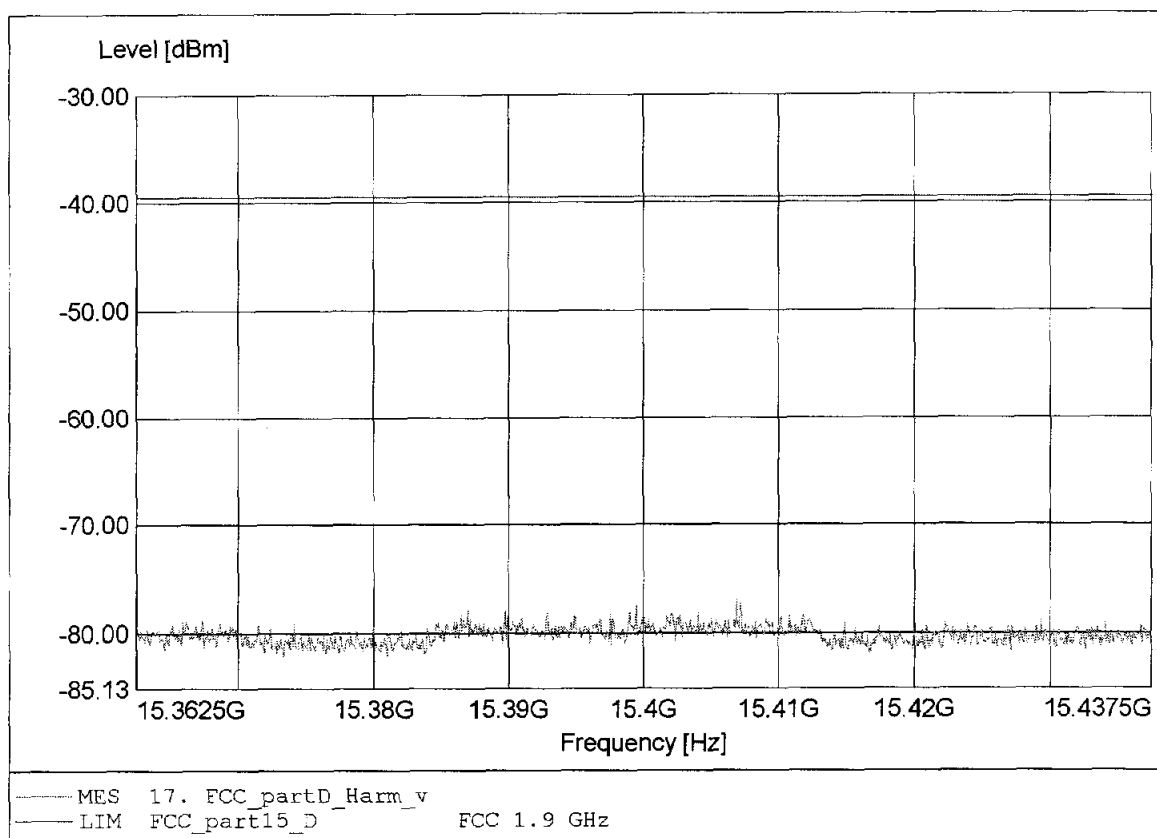
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:13.497GHz Pmax:-76.57dBm RBW:10 kHz



Spurious emissions under normal conditions

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

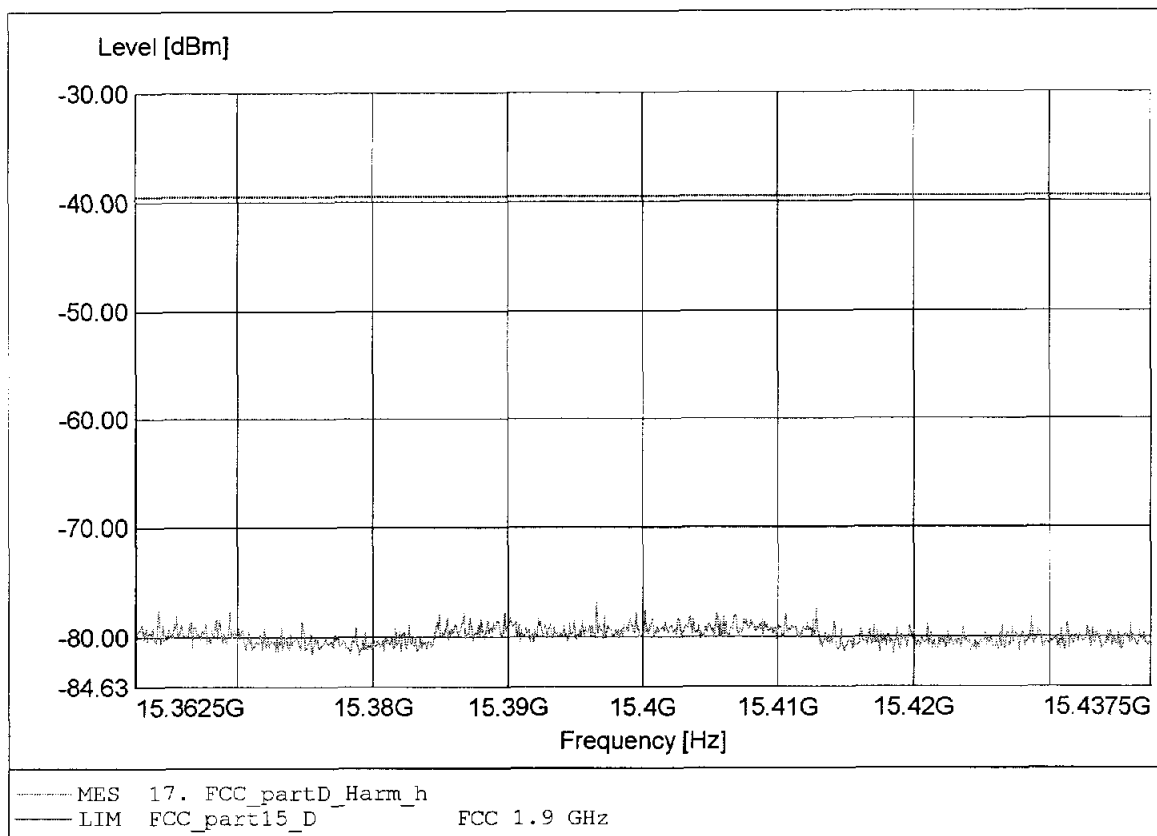
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cersovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:15.407GHz Pmax:-76.92dBm RBW:10 kHz



Spurious emissions under normal conditions

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

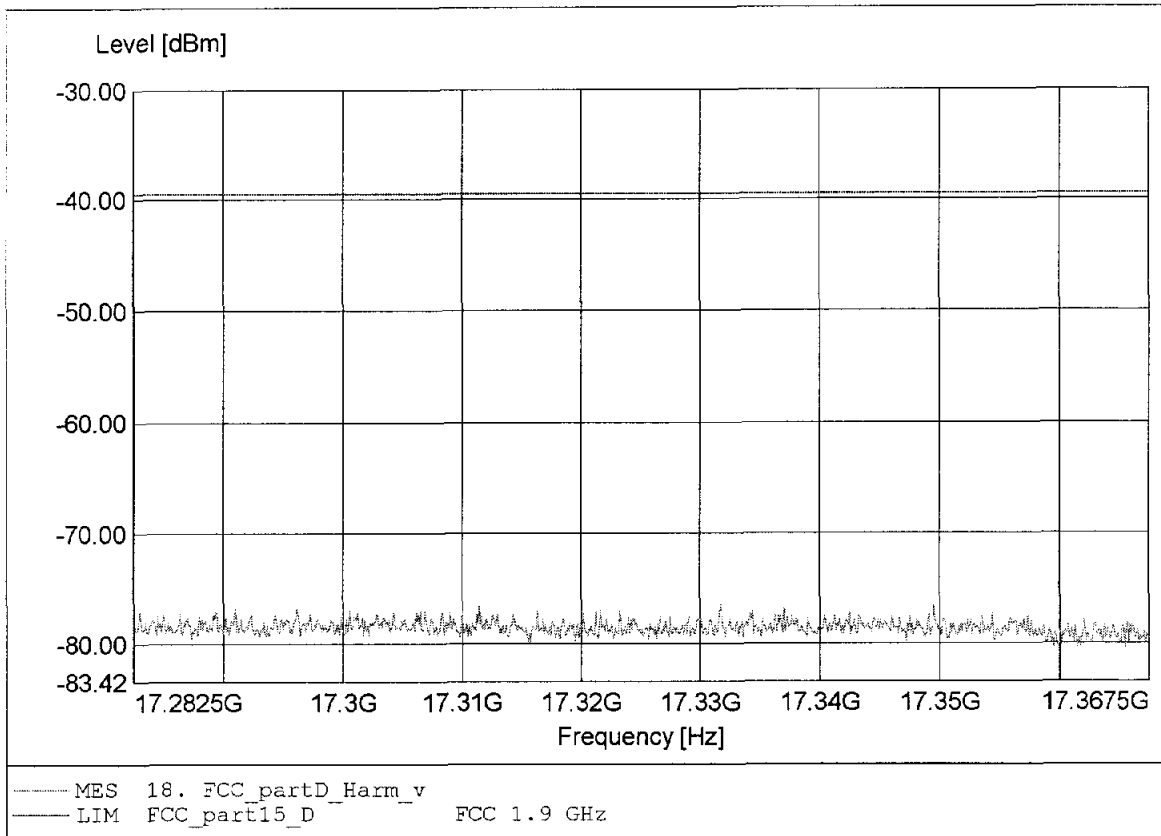
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Uncm.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:15.397GHz Pmax:-76.75dBm RBW:10 kHz



Spurious emissions under normal conditions

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

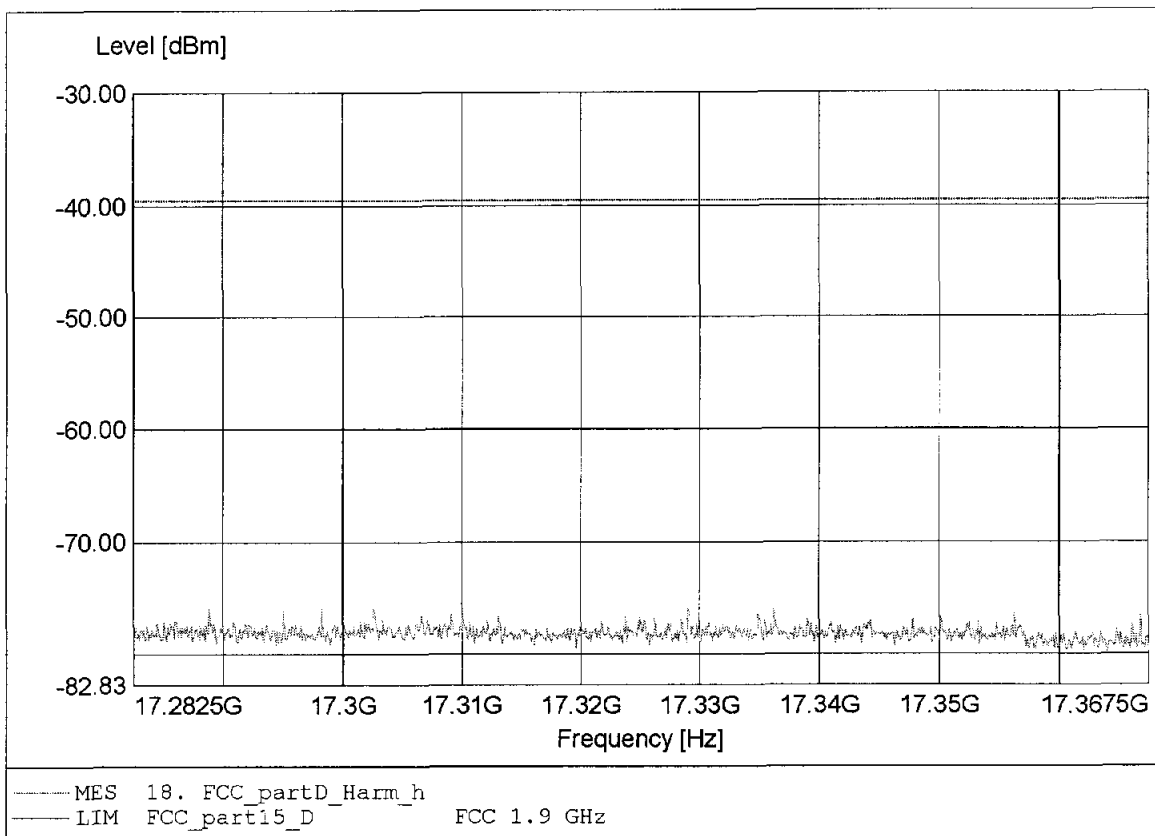
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cersovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:17.311GHz Pmax:-76.54dBm RBW:10 kHz



Spurious emissions under normal conditions

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

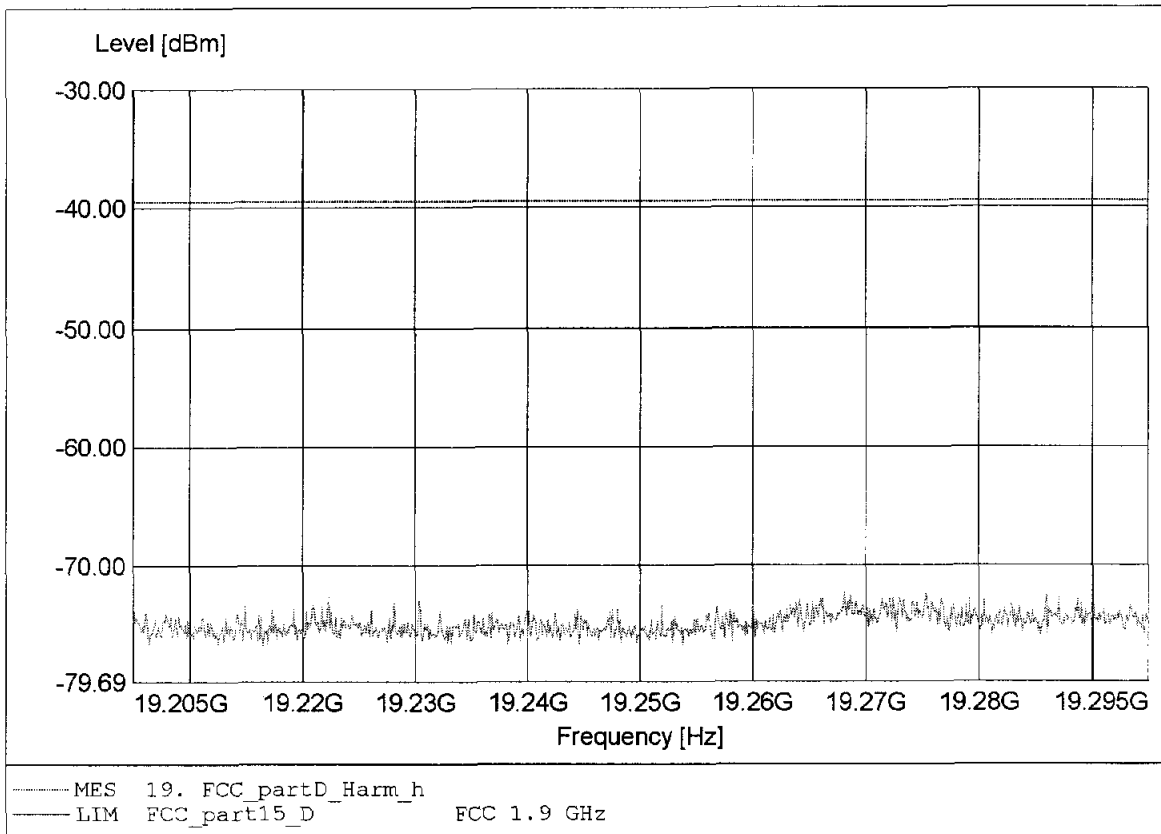
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:17.310GHz Pmax:-75.69dBm RBW:10 kHz



Spurious emissions under normal conditions

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

Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / even
Operator : ETS / Mr. Cersovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:19.275GHz Pmax:-72.30dBm RBW:10 kHz



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

**Testprocedure ANSI 63.17-2006 6.1.6.1
UPCS**

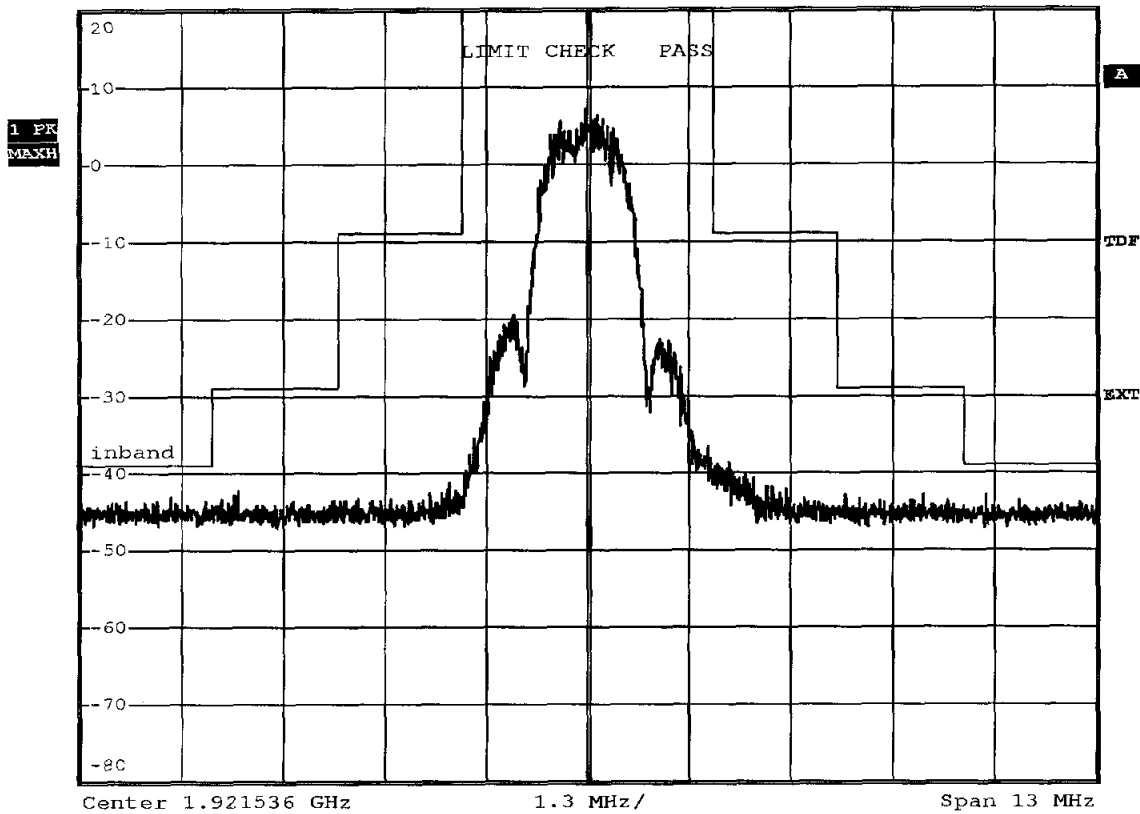
| | |
|----------------------|---|
| EUT | KIRK base station 12 (DECT based UPCS Base station (RFP)) |
| Model | RFP12IP 1G9 |
| Applicant | KIRK telecom A/S |
| Temperature | 23°C |
| Test Site / Operator | ETS Reichenwalde |
| Test Specification | 6.1.6.1 In-band unwanted emission |
| | 1.6MHz |



In-band unwanted emis

*RBW 10 kHz
*VBW 30 kHz
*SWT 23 s

Ref 20 dBm *Att 30 dB



Comment: Ansi C63.17-2006 6.1.6.1
Date: 10.JUL.2007 09:35:12

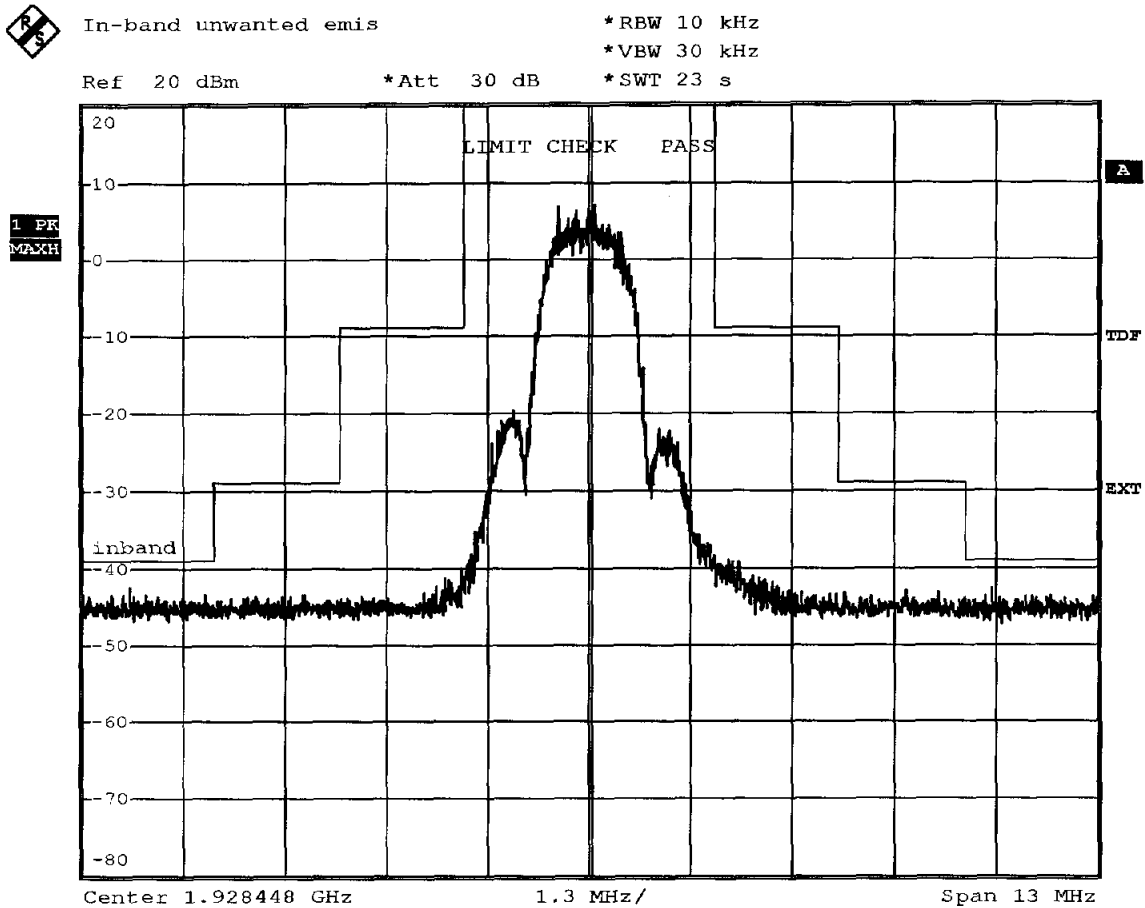
Measurement diagram

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

**Testprocedure ANSI 63.17-2006 6.1.6.1
UPCS**

| | |
|----------------------|---|
| EUT | KIRK base station 12 (DECT based UPCS Base station (RFP)) |
| Model | RFP12IP 1G9 |
| Applicant | KIRK telecom A/S |
| Temperature | 23°C |
| Test Site / Operator | ETS Reichenwalde |
| Test Specification | 6.1.6.1 In-band unwanted emission |

1.6MHz



Comment: Ansi C63.17-2006 6.1.6.1
 Date: 10.JUL.2007 08:46:55

Measurement diagram

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

Testprocedure ANSI 63.17-2006 6.1.6.2 UPCS

| | |
|----------------------|---|
| EUT | KIRK base station 12 (DECT based UPCS Base station (RFP)) |
| Model | RFP12IP 1G9 |
| Applicant | KIRK 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

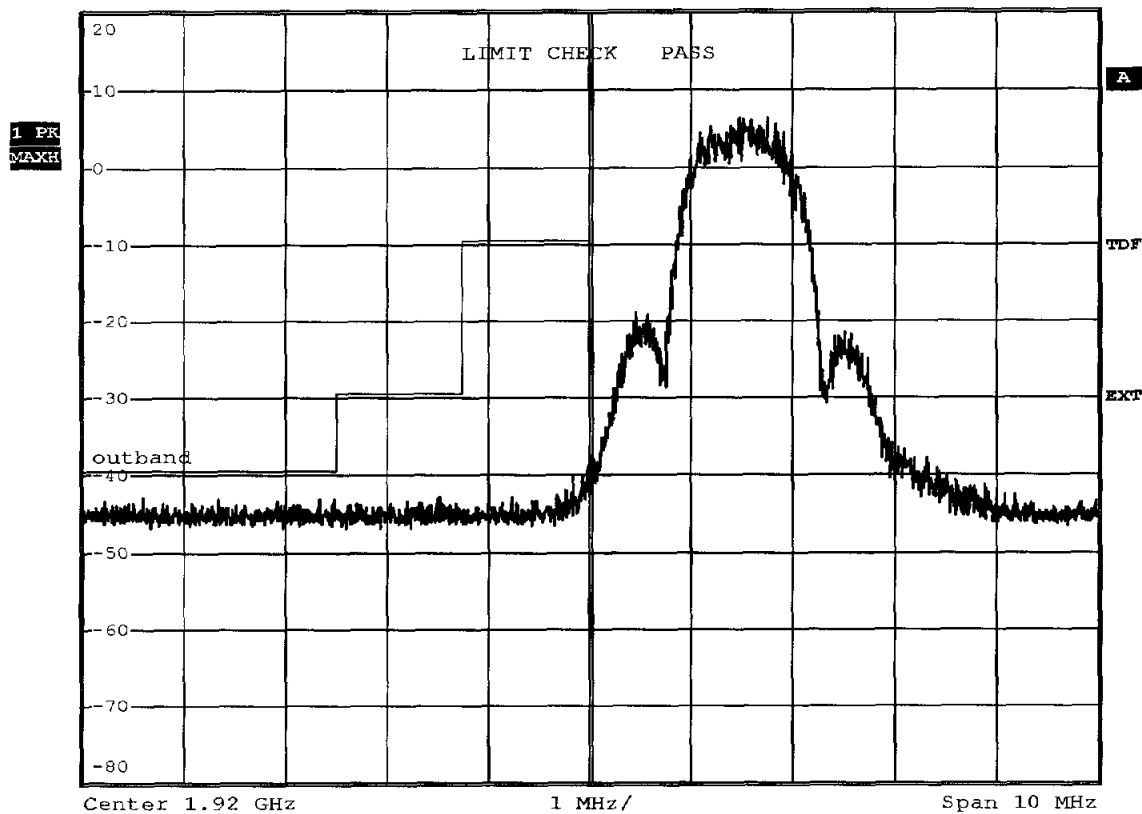


Out-of-band emission

*RBW 10 kHz
*VBW 30 kHz
*SWT 23 s

Ref 20 dBm

*Att 30 dB



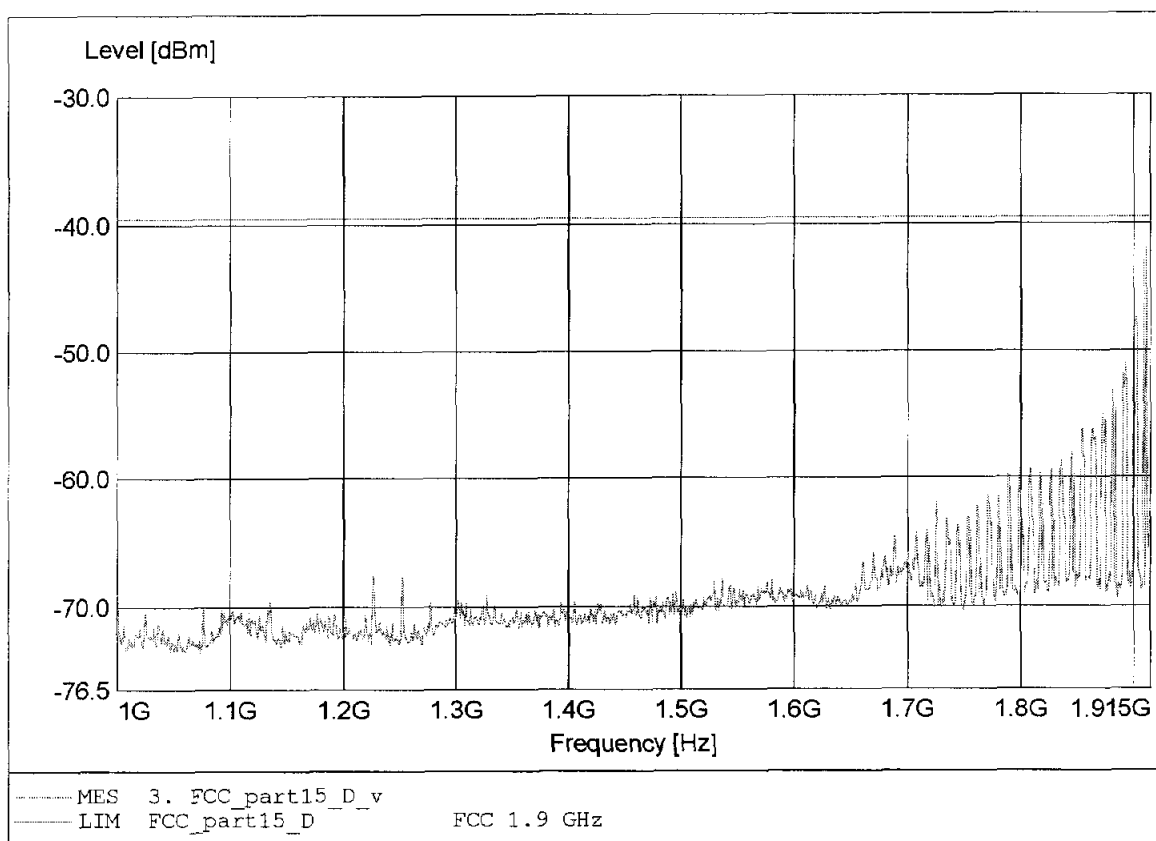
Comment: Ansi C63.17-2006 6.1.6.2
Date: 10.JUL.2007 09:38:32

Measurement diagram

Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

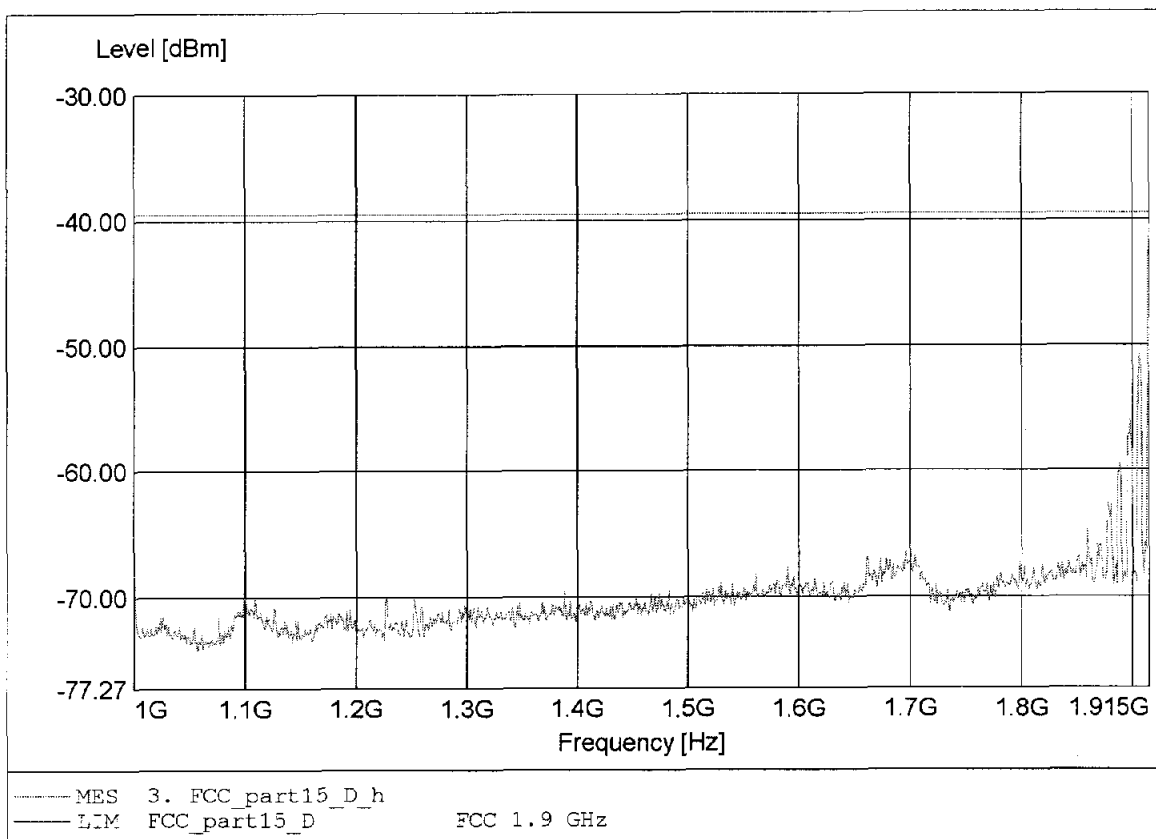
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / odd
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.911GHz Pmax:-42.04dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

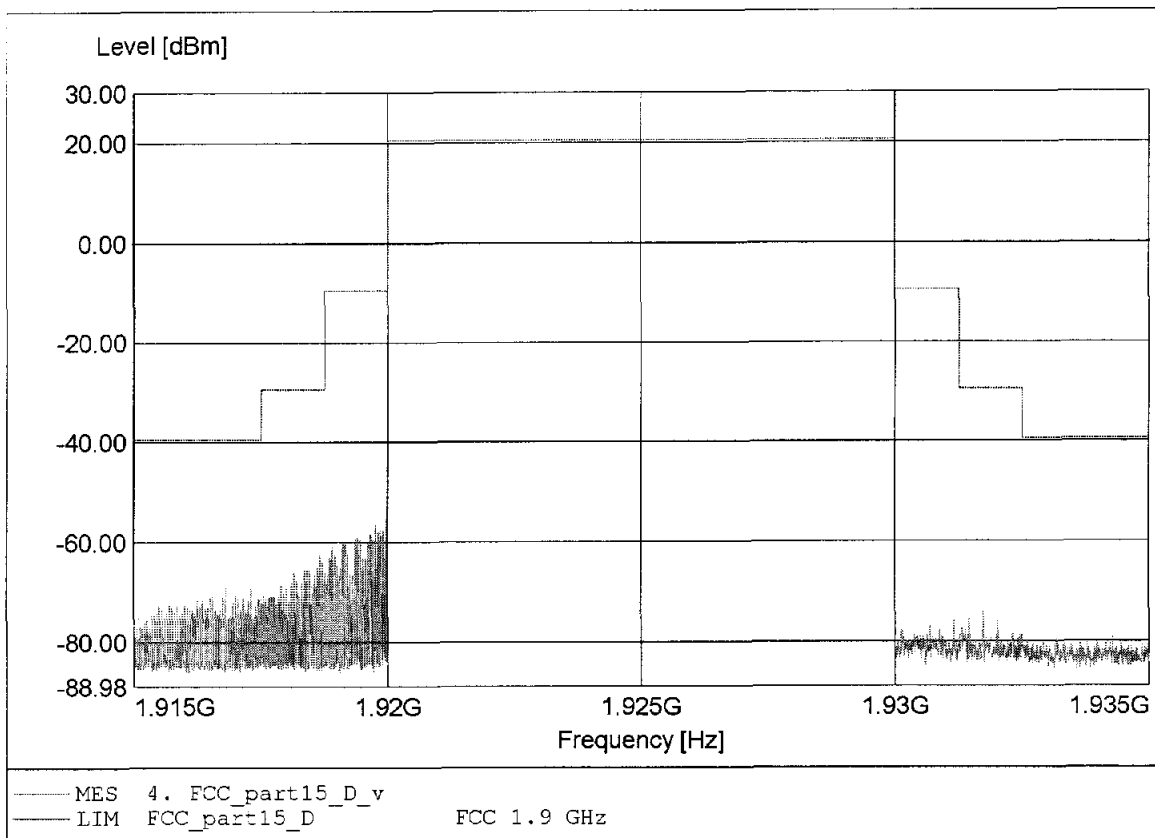
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0; 4 / odd
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.915GHz Pmax:-40.49dBm RBW: 100 kHz



Spurious emissions under normal conditions

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

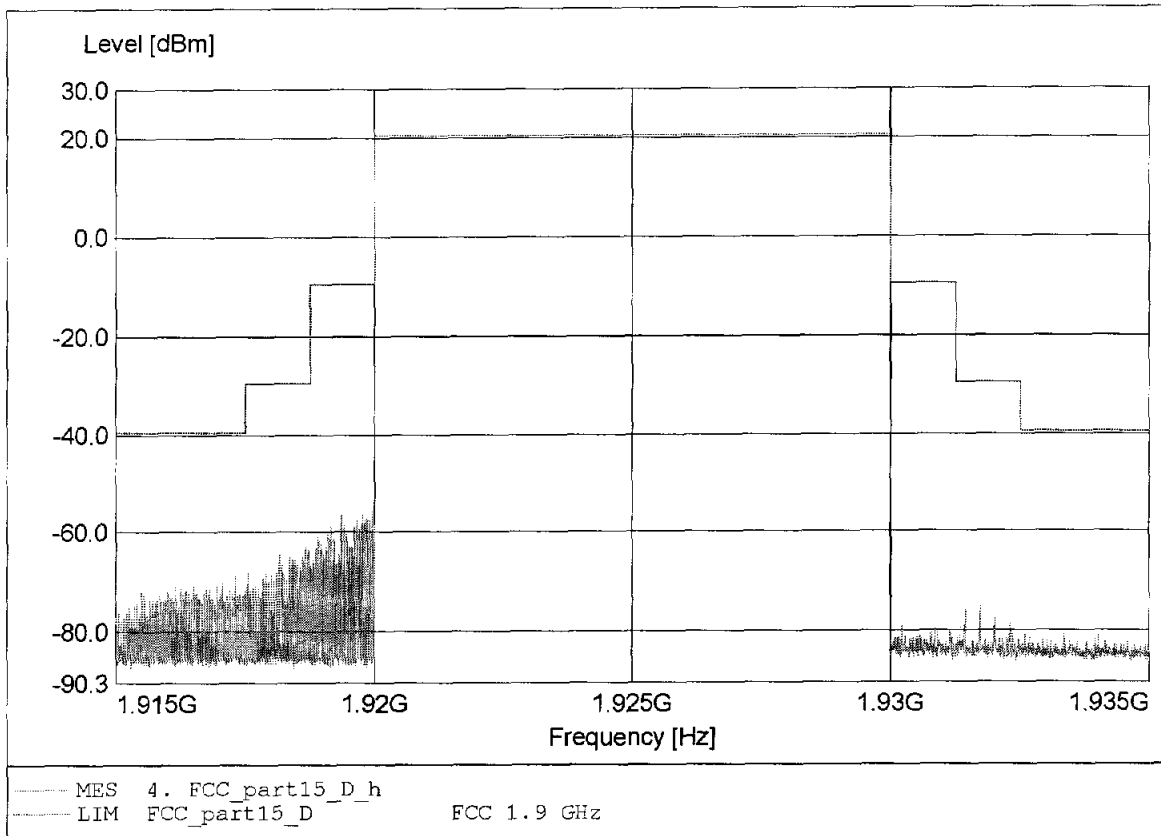
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 4 / odd
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.920GHz Pmax:-55.52dBm RBW: 10 kHz



Spurious emissions under normal conditions

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

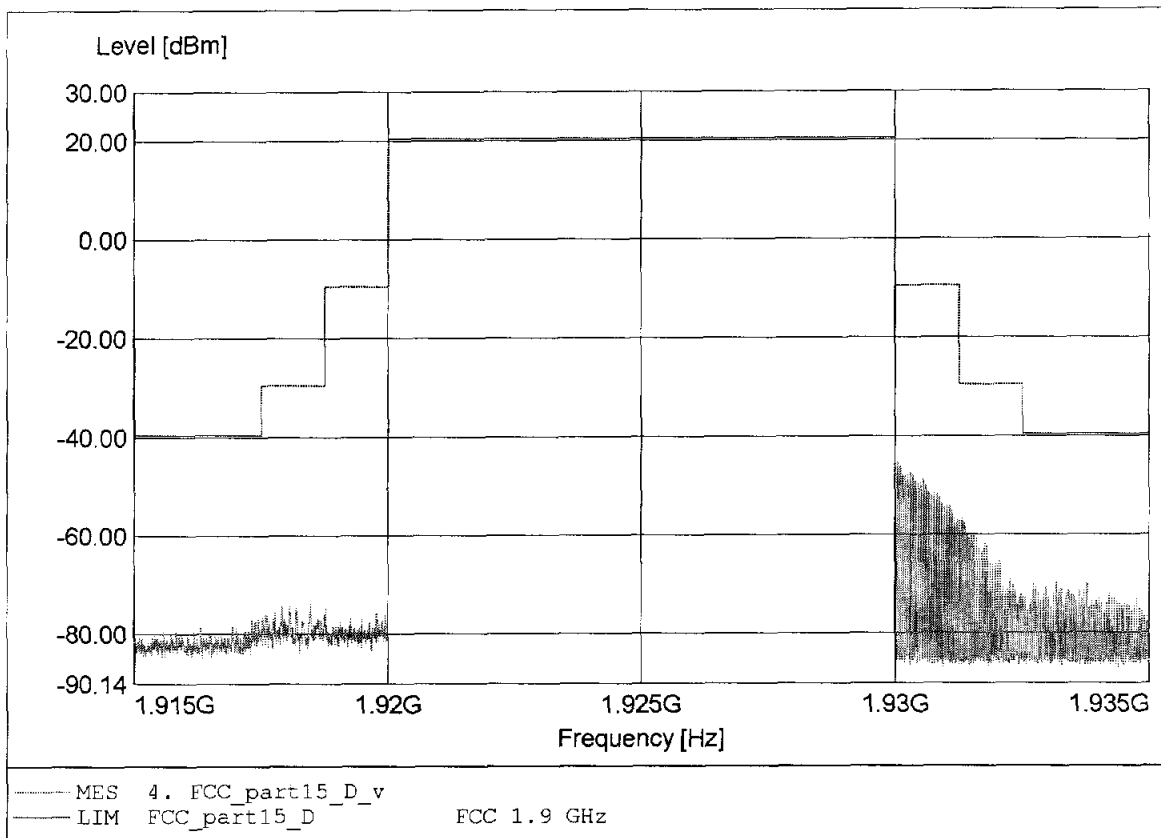
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 4 / odd
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.920GHz Pmax:-55.36dBm RBW: 10 kHz



Spurious emissions under normal conditions

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

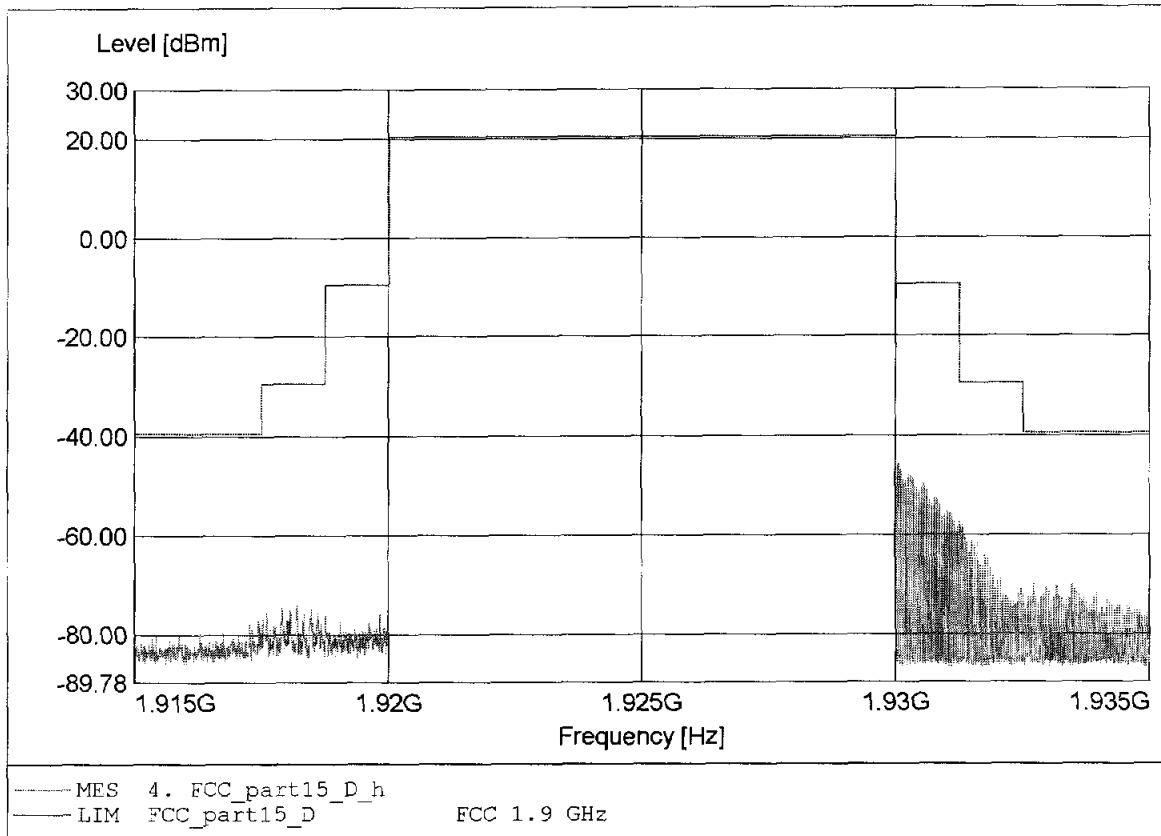
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0 / odd
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.930GHz Pmax:-43.87dBm RBW: 10 kHz



Spurious emissions under normal conditions

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

Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model: / ch: / slot: RFP12IP 1G9 / 0 / odd
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.930GHz Pmax:-44.41dBm RBW: 10 kHz



Appendix S

Frame period

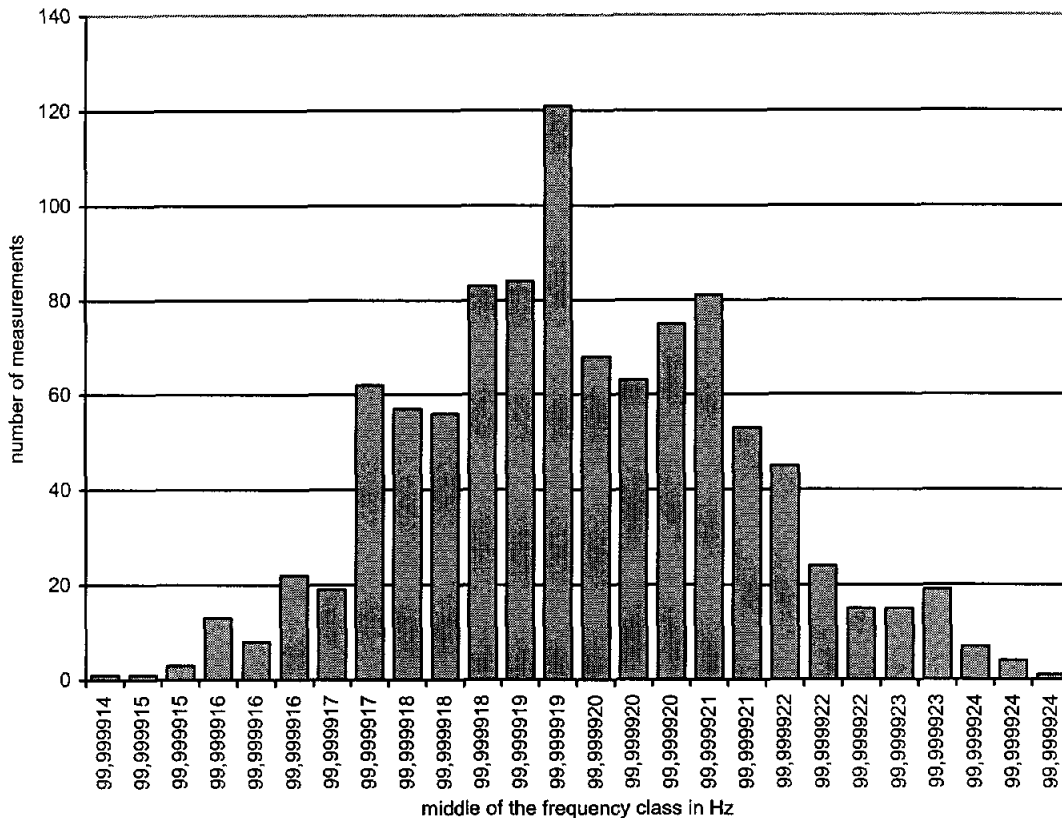
FCC Part 15.323(e.1) Frame repetition

**Testprocedure ANSI 63.17-2006 6.2.2
UCPS**

| | |
|----------------------|---|
| EUT | KIRK base station 12 (DECT based UPCS Base station (RFP)) |
| Model | RFP12IP 1G9 |
| Applicant | KIRK 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 | 99,999919 Hz |
| Deviation | 0,000002 |
| Stability in ppm | 0,052151 ppm |
| Test result | Verdict = PASS |

Histogram



Measurement results

ETS Product Service AG

Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

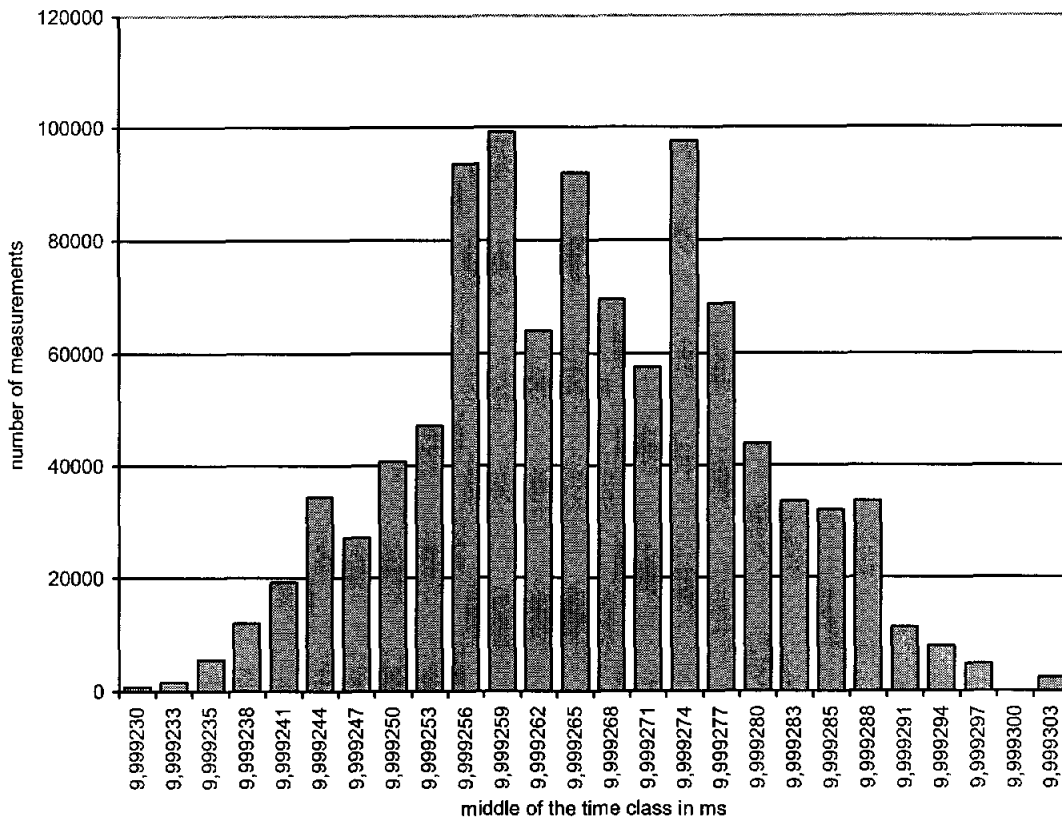
FCC Part 15.323(e.4) Frame Period and jitter

**Testprocedure ANSI 63.17-2006 6.2.3
UCPS**

| | |
|----------------------|---|
| EUT | KIRK base station 12 (DECT based UPCS Base station (RFP)) |
| Model | RFP12IP 1G9 |
| Applicant | KIRK 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 | 0,002943 μ s |
| Mean | 9,999266 ms |
| Deviation | 0,000013 |
| Max-Min | 0,073574 μ s |
| Test result | Verdict = PASS |

Histogram



Measurement diagram

ETS Product Service AG

Appendix T

Frequency stability

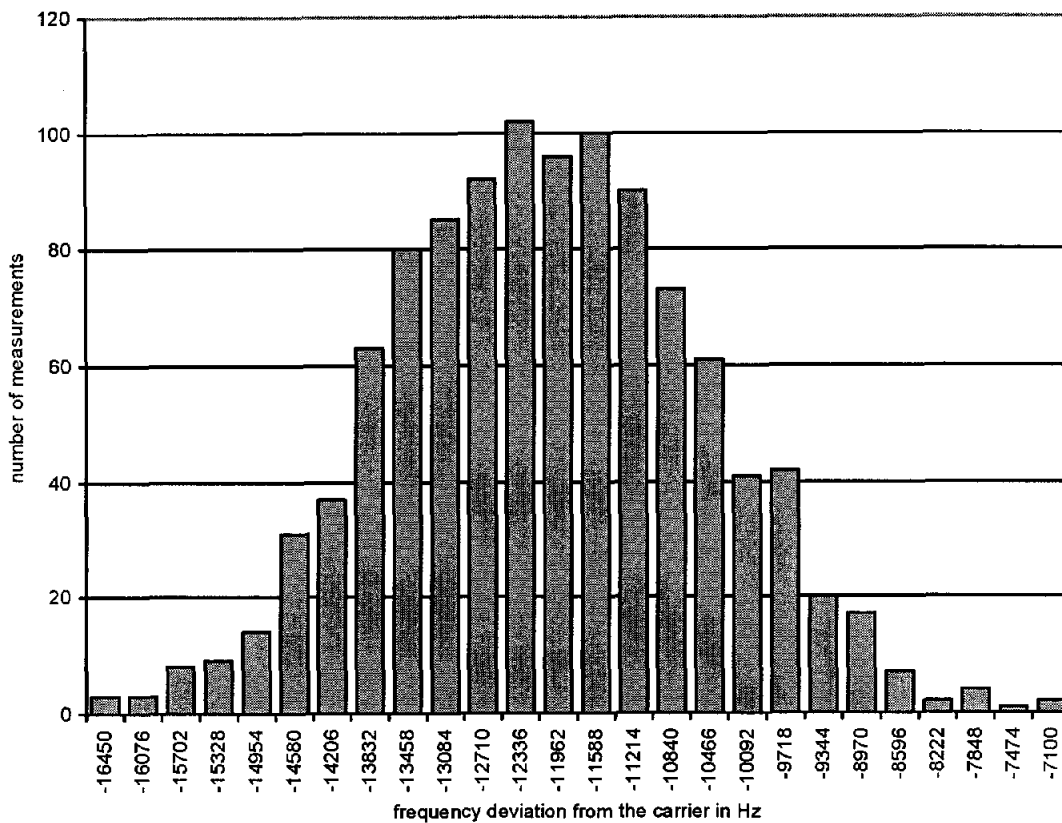
FCC Part 15.323(f) Frequency Stability

Testprocedure ANSI 63.17-2006 6.2.1

| | |
|----------------------|---|
| EUT | KIRK base station 12 (DECT based UPCS Base station (RFP)) |
| Model | RFP12IP 1G9 |
| Applicant | KIRK telecom A/S |
| Temperature | 20 °C |
| Test Site / Operator | ETS Reichenwalde |
| Test Specification | 6.2.1 Frequency stability |

| | |
|-------------------------|---------------------------------|
| Power supply | Vnom |
| Frequency of carrier | 1924,992000 MHz |
| Measured mean | 1924,979930 MHz |
| Stability (supply temp) | 6,27 ppm |
| Result | Verdict = PASS |
| Stability over time | fmax : 2,58 ppm fmin : 2,28 ppm |
| Result | Verdict = PASS |

Histogram



Measurement results

ETS Product Service AG

Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

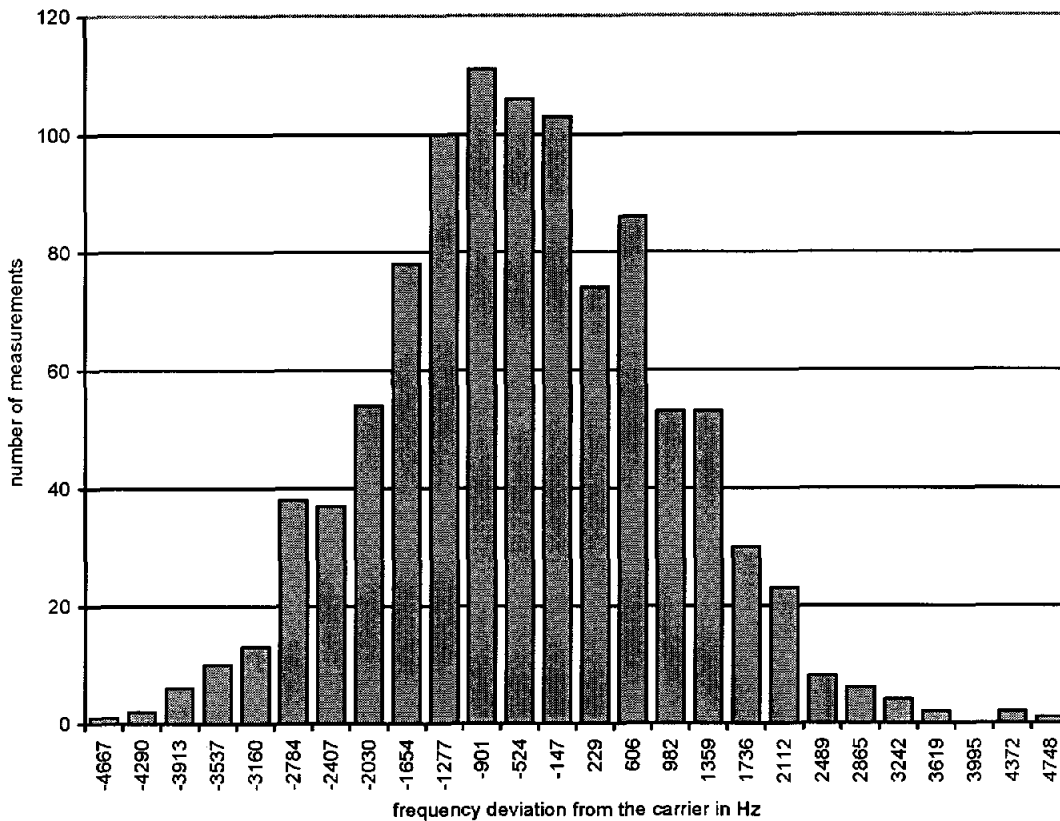
FCC Part 15.323(f) Frequency Stability

Testprocedure ANSI 63.17-2006 6.2.1

| | |
|----------------------|---|
| EUT | KIRK base station 12 (DECT based UPCS Base station (RFP)) |
| Model | RFP12IP 1G9 |
| Applicant | KIRK telecom A/S |
| Temperature | 20 °C |
| Test Site / Operator | ETS Reichenwalde |
| Test Specification | 6.2.1 Frequency stability |

| | |
|-------------------------|---------------------------------|
| Power supply | Vmin |
| Frequency of carrier | 1924,978920 MHz |
| Measured mean | 1924,978445 MHz |
| Stability (supply temp) | 0,25 ppm |
| Result | Verdict = PASS |
| Stability over time | fmax : 2,71 ppm fmin : 2,18 ppm |
| Result | Verdict = PASS |

Histogram



Measurement results

ETS Product Service AG

Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

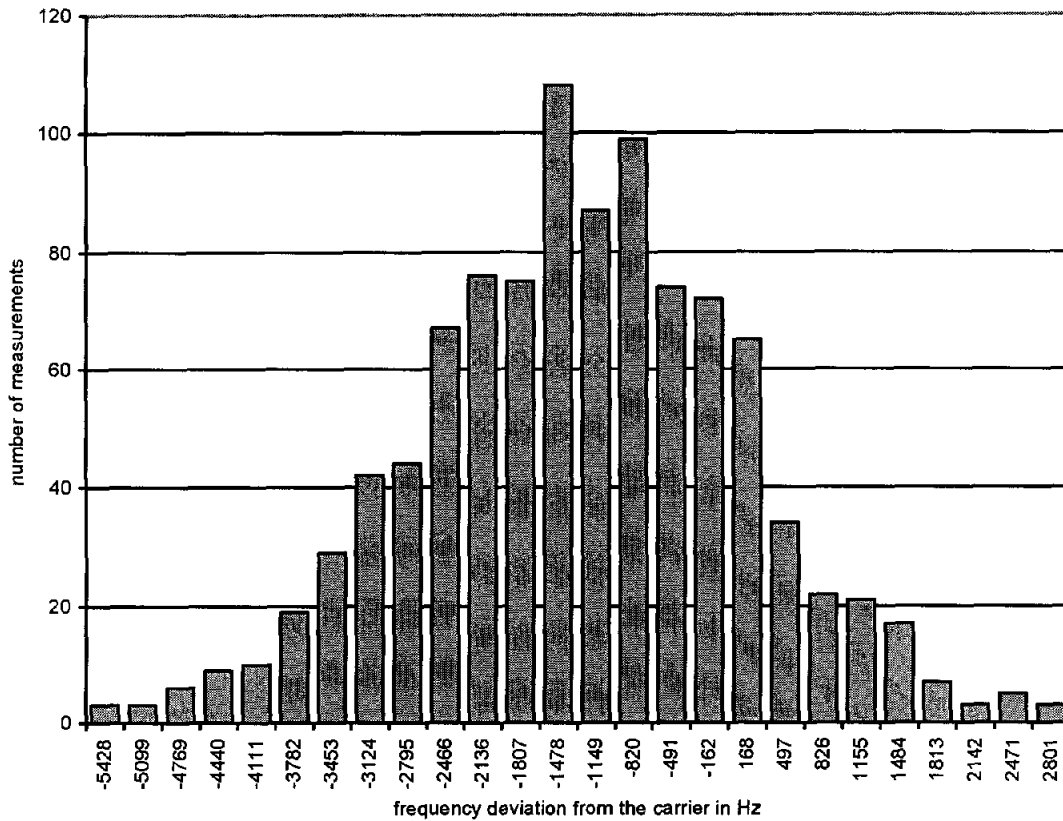
FCC Part 15.323(f) Frequency Stability

Testprocedure ANSI 63.17-2006 6.2.1

| | |
|----------------------|---|
| EUT | KIRK base station 12 (DECT based UPCS Base station (RFP)) |
| Model | RFP12IP 1G9 |
| Applicant | KIRK telecom A/S |
| Temperature | 20 °C |
| Test Site / Operator | ETS Reichenwalde |
| Test Specification | 6.2.1 Frequency stability |

| | |
|-------------------------|---------------------------------|
| Power supply | Vmax |
| Frequency of carrier | 1924,978920 MHz |
| Measured mean | 1924,977633 MHz |
| Stability (supply temp) | 0,67 ppm |
| Result | Verdict = PASS |
| Stability over time | fmax : 2,12 ppm fmin : 2,15 ppm |
| Result | Verdict = PASS |

Histogram



Measurement results

ETS Product Service AG

Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

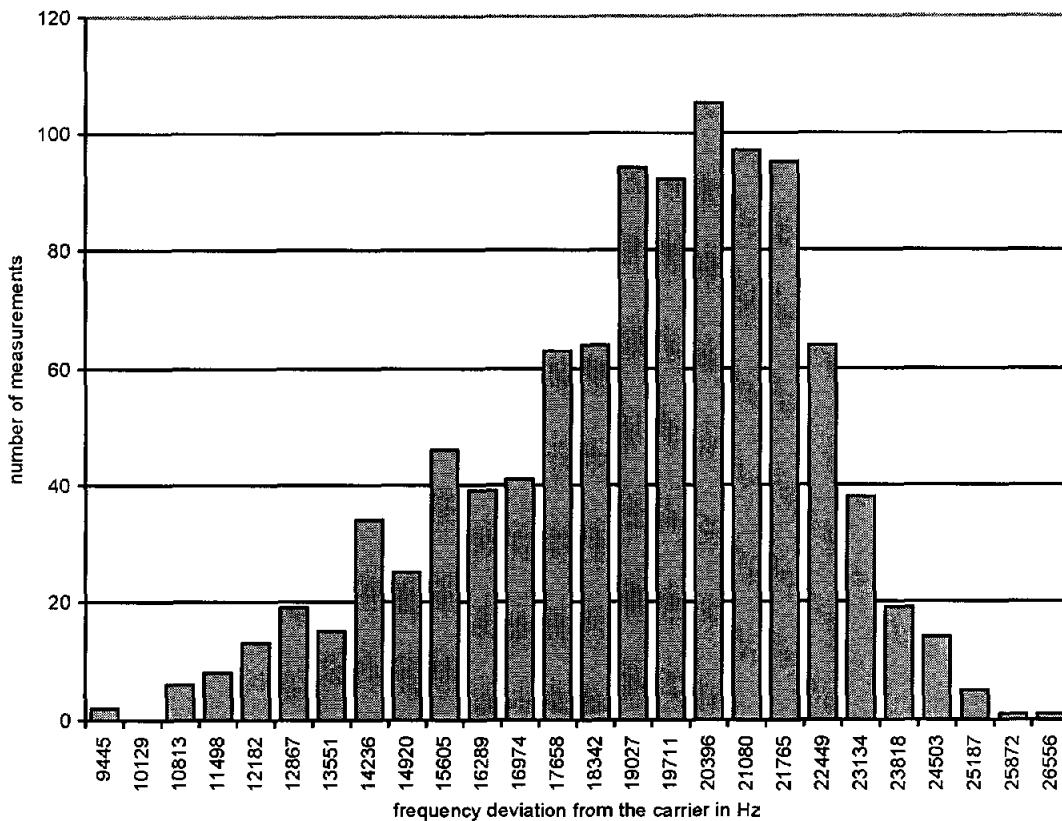
FCC Part 15.323(f) Frequency Stability

Testprocedure ANSI 63.17-2006 6.2.1

| | |
|----------------------|---|
| EUT | KIRK base station 12 (DECT based UPCS Base station (RFP)) |
| Model | RFP12IP 1G9 |
| Applicant | KIRK telecom A/S |
| Temperature | -10 °C |
| Test Site / Operator | ETS Reichenwalde |
| Test Specification | 6.2.1 Frequency stability |

| | |
|-------------------------|---------------------------------|
| Power supply | Vnom |
| Frequency of carrier | 1924,978920 MHz |
| Measured mean | 1924,998033 MHz |
| Stability (supply temp) | -9,93 ppm |
| Result | Verdict = PASS |
| Stability over time | fmax : 3,87 ppm fmin : 5,02 ppm |
| Result | Verdict = PASS |

Histogram



Measurement results

ETS Product Service AG

Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

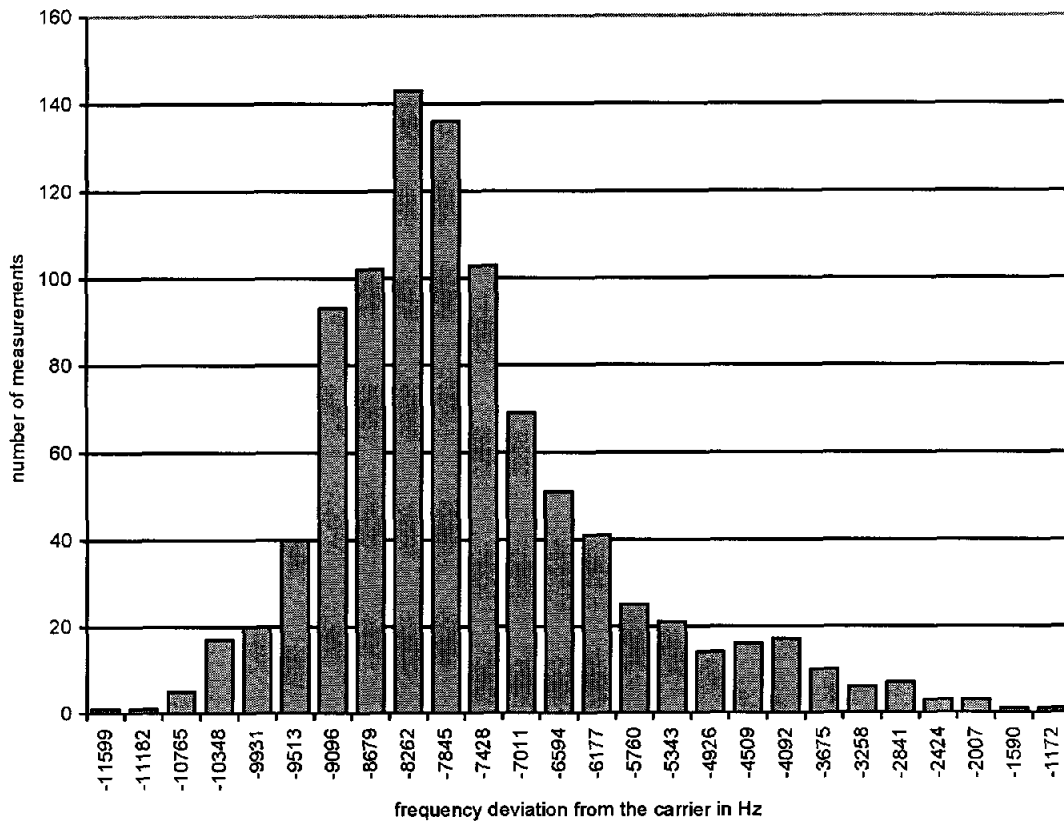
FCC Part 15.323(f) Frequency Stability

Testprocedure ANSI 63.17-2006 6.2.1

| | |
|----------------------|---|
| EUT | KIRK base station 12 (DECT based UPCS Base station (RFP)) |
| Model | RFP12IP 1G9 |
| Applicant | KIRK telecom A/S |
| Temperature | 55 °C |
| Test Site / Operator | ETS Reichenwalde |
| Test Specification | 6.2.1 Frequency stability |

| | |
|-------------------------|---------------------------------|
| Power supply | Vnom |
| Frequency of carrier | 1924,978920 MHz |
| Measured mean | 1924,971301 MHz |
| Stability (supply temp) | 3,96 ppm |
| Result | Verdict = PASS |
| Stability over time | fmax : 3,35 ppm fmin : 2,07 ppm |
| Result | Verdict = PASS |

Histogram



Measurement results

ETS Product Service AG

Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

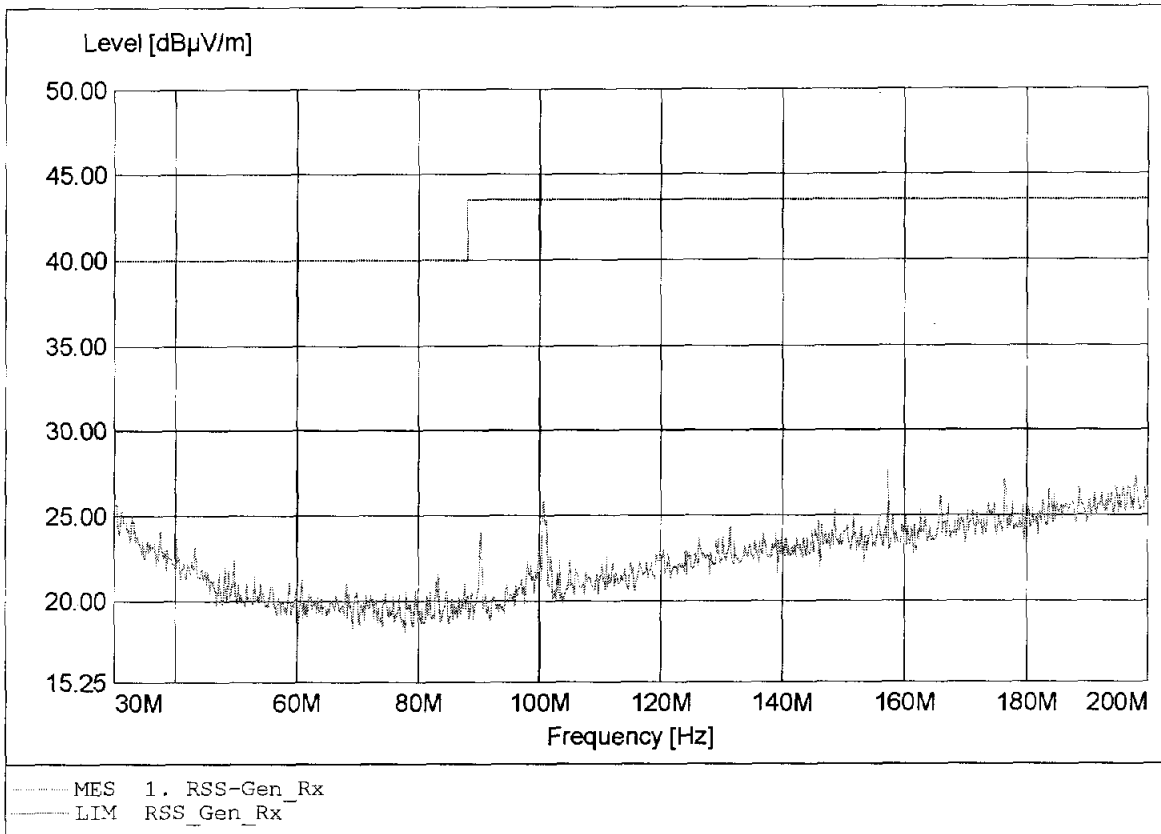
Appendix U

Receiver spurious emissions

Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

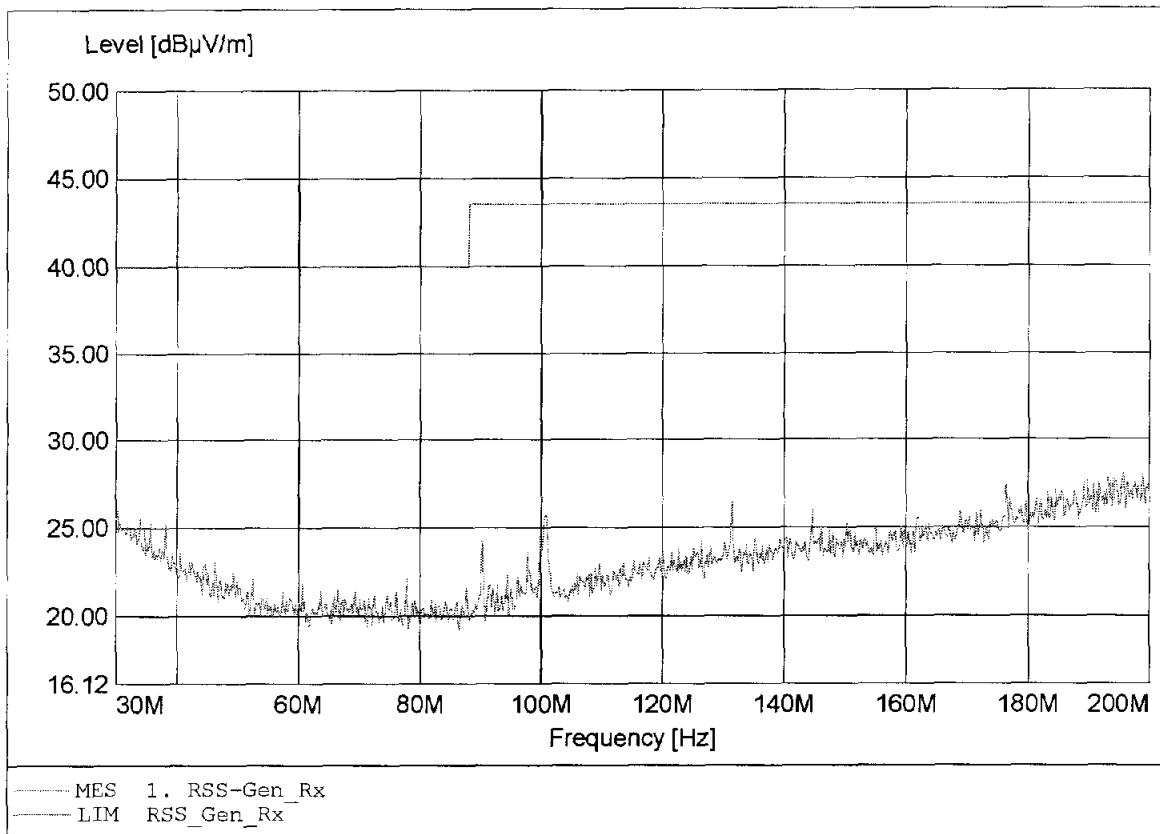
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model : RFP12IP 1G9
Operator : ETS / Mr. Cersovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: according to RSS-Gen
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq:157.311MHz Emax:27.57dB μ V/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

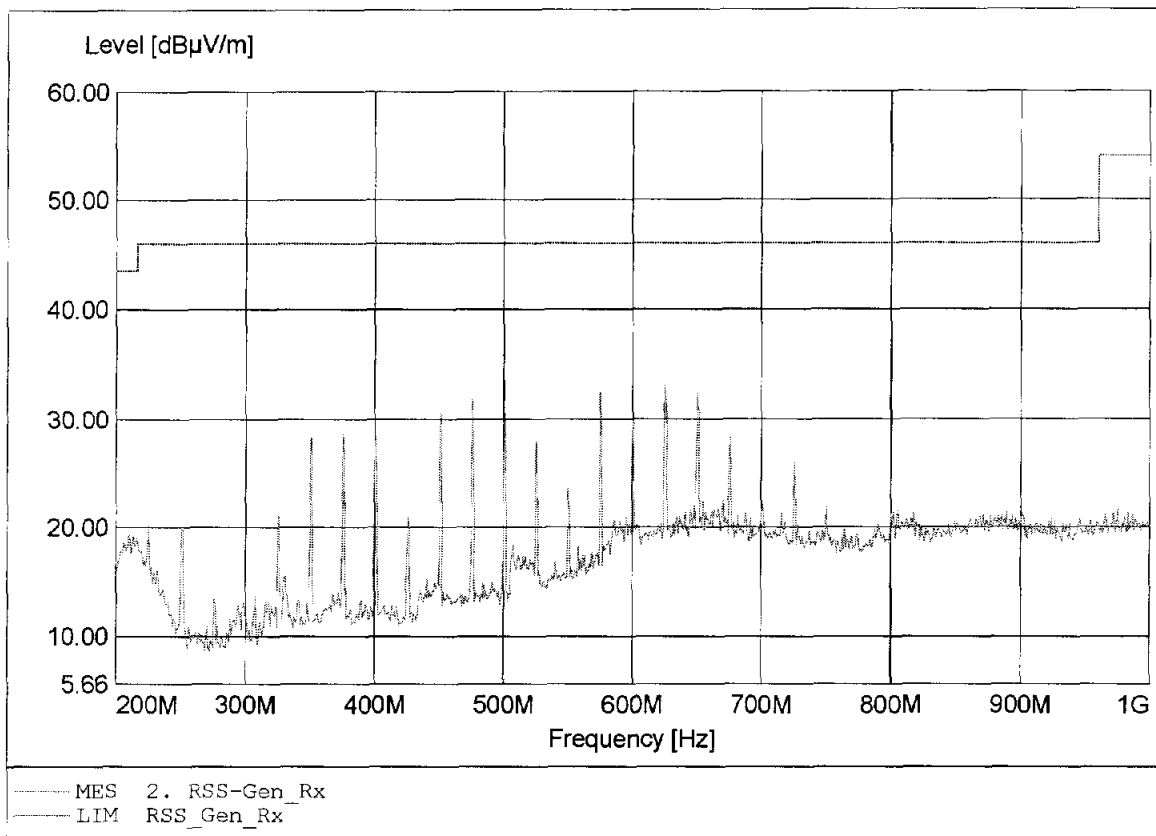
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model : RFP12IP 1G9
Operator : ETS / Mr. Cersovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: according to RSS-Gen
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq:195.656MHz Emax:28.23dBμV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

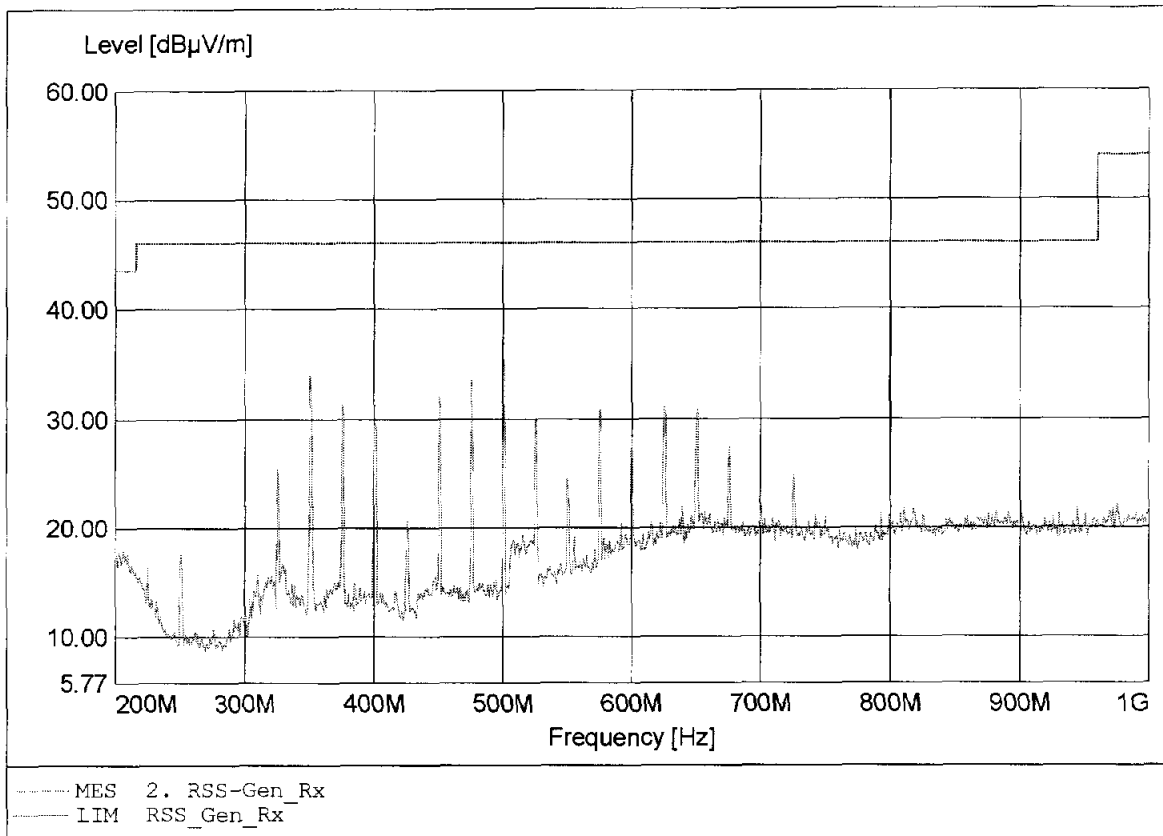
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model : RFP12IP 1G9
Operator : ETS / Mr. Cersovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: according to RSS-Gen
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:500.444MHz Emax:33.68dBµV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

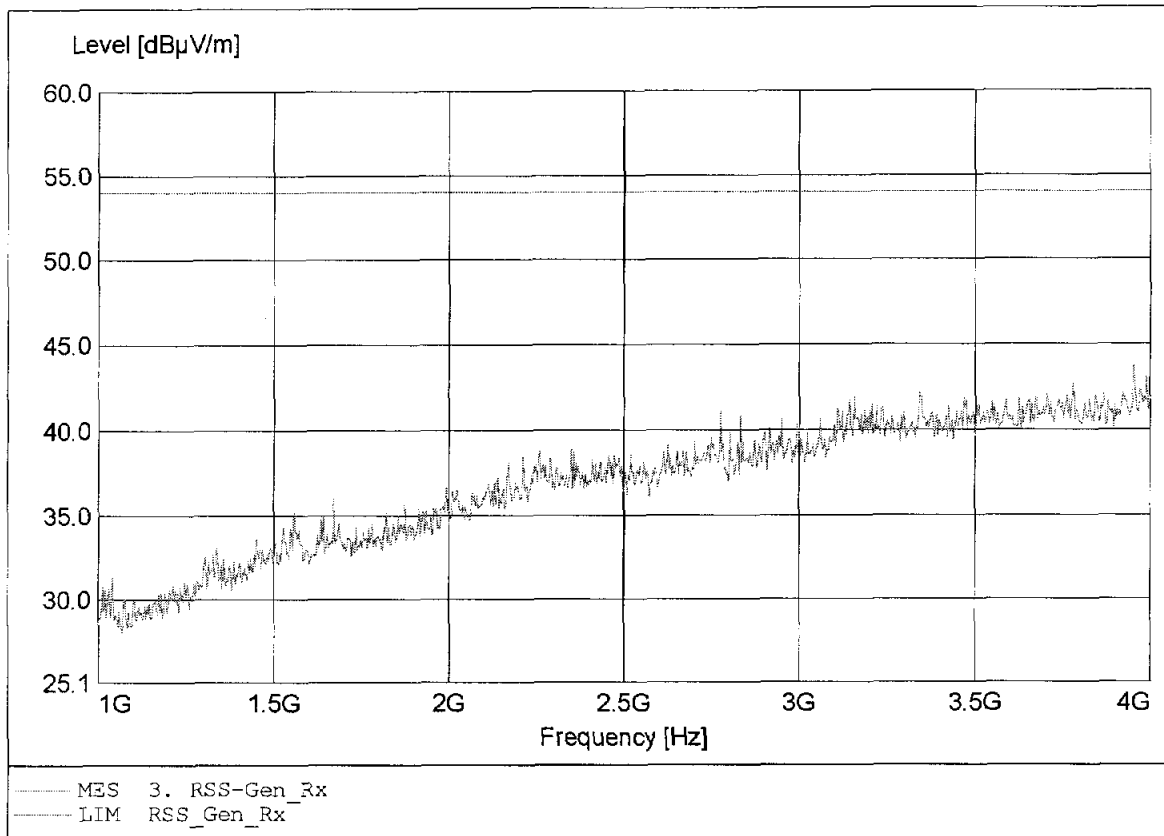
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model : RF12IP 1G9
Operator : ETS / Mr. Cersovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: according to RSS-Gen
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:500.444MHz Emax:35.46dBμV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

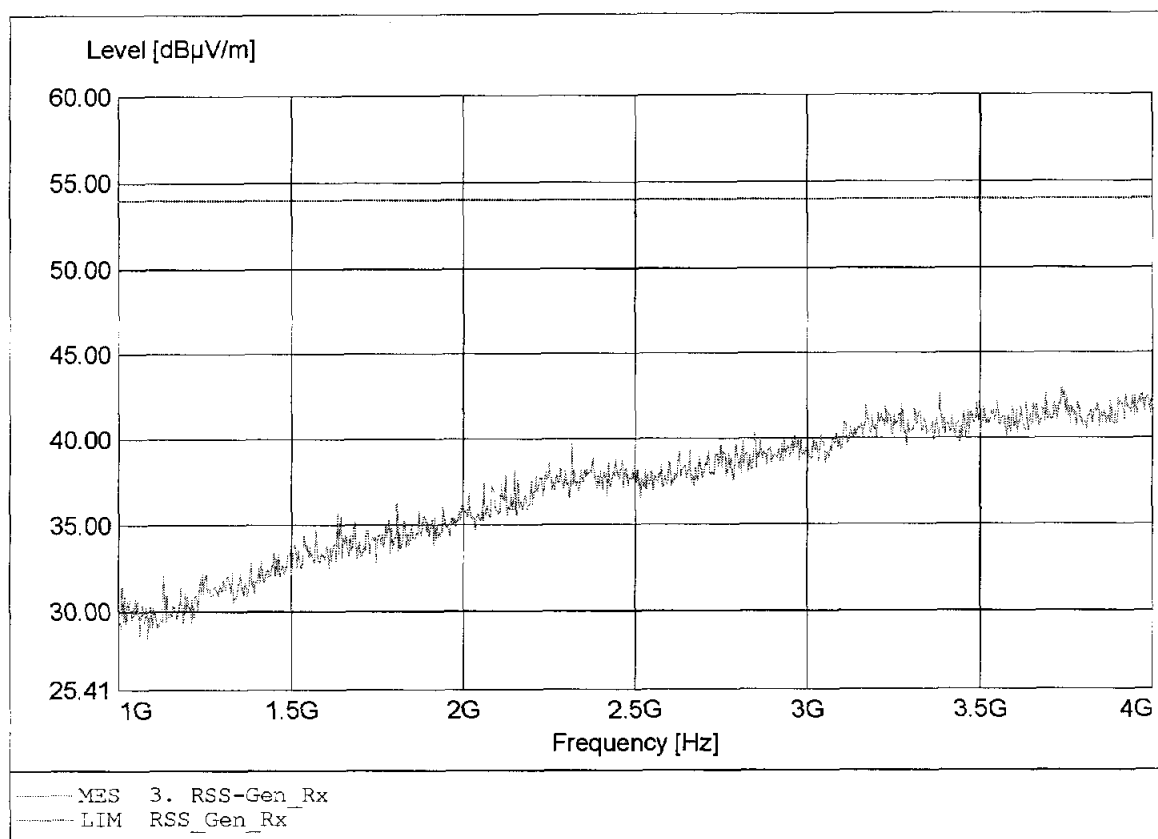
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model : RFP12IP 1G9
Operator : ETS / Mr. Cersovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: according to S15109, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:3.953GHz Emax:43.68dB μ V/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

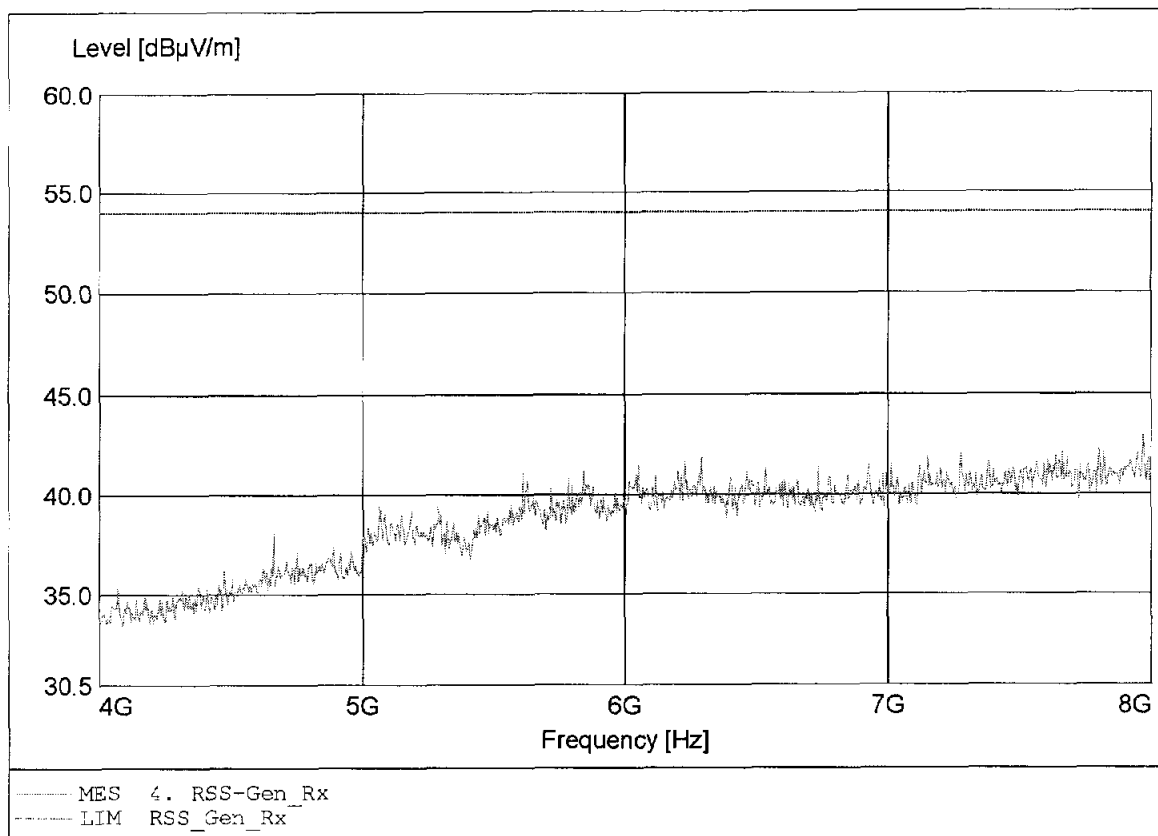
Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model : RFP12IP 1G9
Operator : ETS / Mr. Cersovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: according to S15109, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:3.737GHz Emax:42.90dBμV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model : RFP12IP 1G9
Operator : ETS / Mr. Cersovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: according to S15109, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:7.969GHz Emax:42.97dBuV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

Approval Holder: KIRK telecom A/S
EUT : KIRK Base station 12 (DECT based UPCS Base station (RFP))
Model : RFP12IP 1G9
Operator : ETS / Mr. Cersovsky
Test Conditions: 25°C / Unom.: 48 V DC
Test Specification: according to S15109, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:7.862GHz Emax:42.44dB μ V/m RBW: 1 MHz

