

Appendix R

Emissions inside and outside the sub-band

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

Testprocedure ANSI 63.17-1998 6.1.6.1 UPCS

EUT	KIRK UPCS (DECT based) Handset (PP)
Model	PP5I80 1G9
Applicant	KIRK telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.1 In-band unwanted emission
	1.472MHz



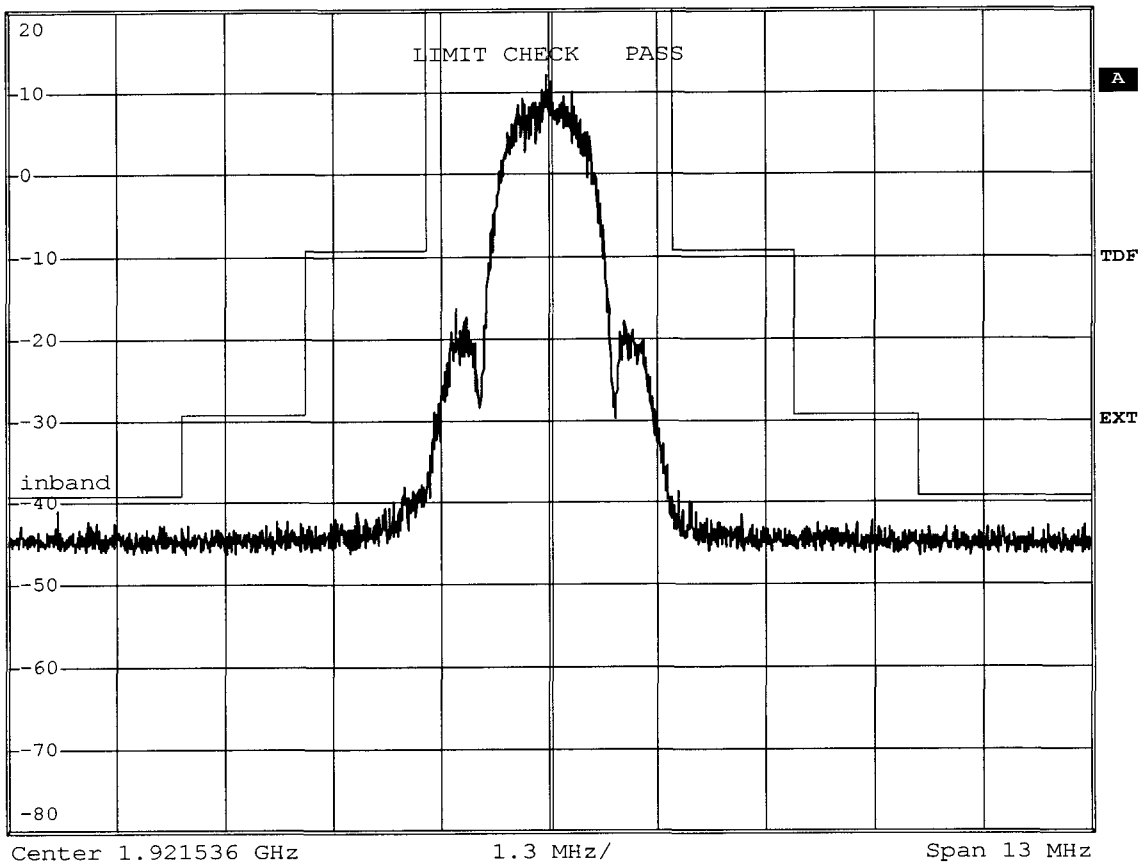
In-band unwanted emis

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

Ref 20 dBm

*Att 30 dB

1 PK
MAXH



Comment: Ansi C63.17-1998 6.1.6.1
Date: 9.MAR.2007 08:41:11

Measurement diagram

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

Testprocedure ANSI 63.17-1998 6.1.6.1
UPCS

EUT	KIRK UPCS (DECT based) Handset (PP)
Model	PP5180 1G9
Applicant	KIRK telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.1 In-band unwanted emission
	1.472MHz

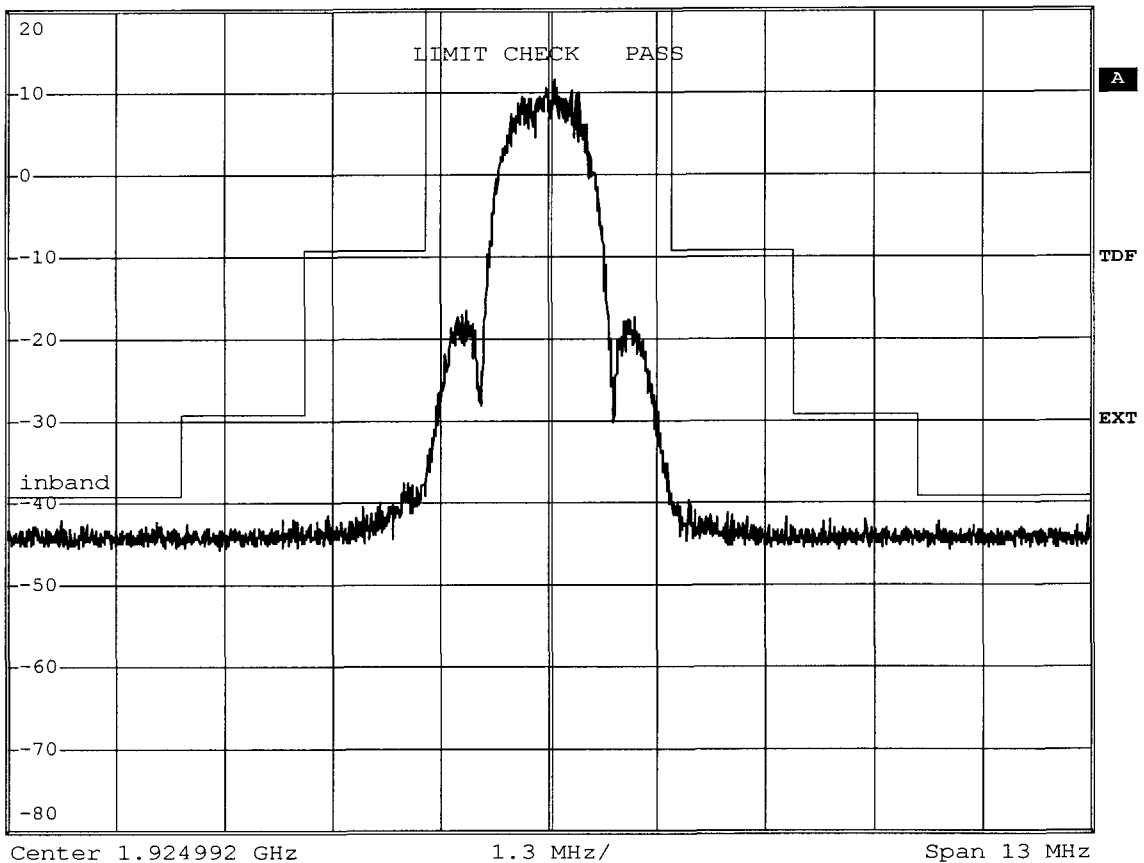


In-band unwanted emis

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

Ref 20 dBm *Att 30 dB

1 PK
MAXH



Comment: Ansi C63.17-1998 6.1.6.1
Date: 9.MAR.2007 08:45:01

Measurement diagram

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

Testprocedure ANSI 63.17-1998 6.1.6.1 UPCS

EUT	KIRK UPCS (DECT based) Handset (PP)
Model	PP5I80 1G9
Applicant	KIRK telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.1 In-band unwanted emission
	1.472MHz



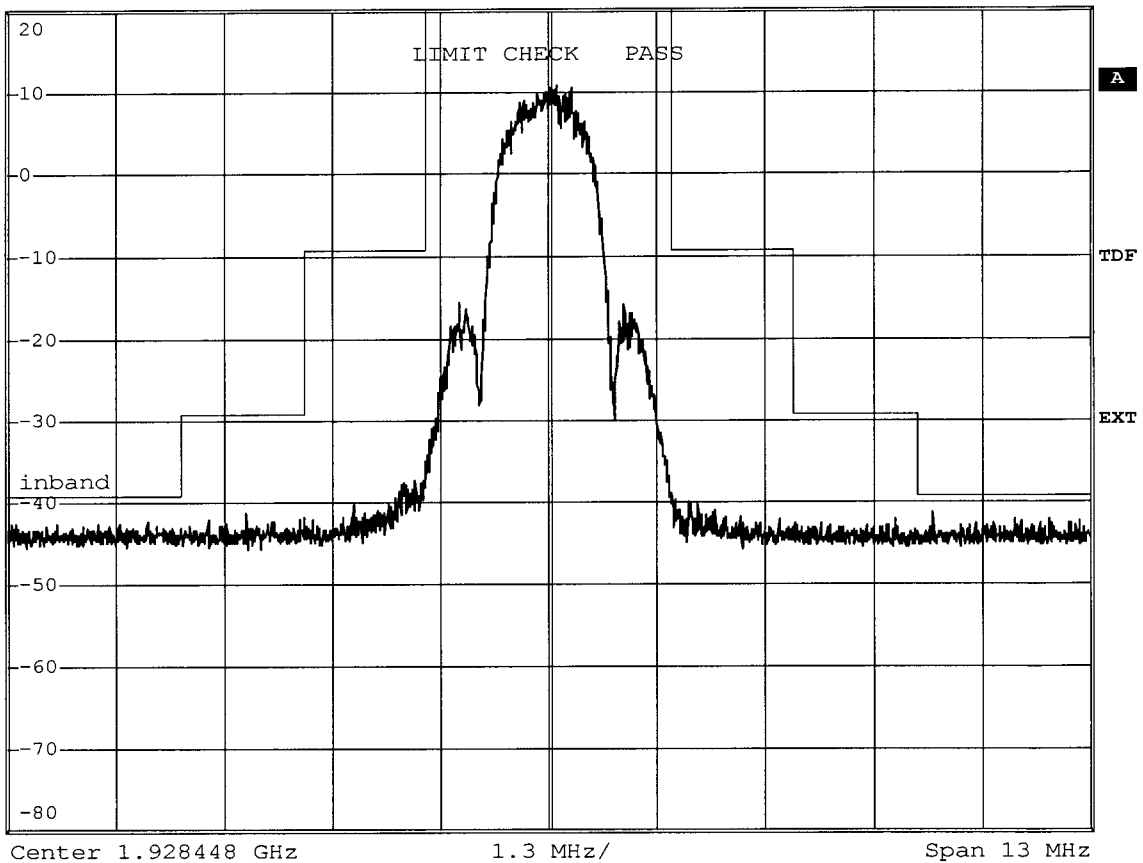
In-band unwanted emis

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

Ref 20 dBm

*Att 30 dB

1 PK
MAXH



Comment: Ansi C63.17-1998 6.1.6.1
Date: 9.MAR.2007 08:48:57

Measurement diagram

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

Testprocedure ANSI 63.17-1998 6.1.6.2 UPCS

EUT	KIRK UPCS (DECT based) Handset (PP)
Model	PP5I80 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



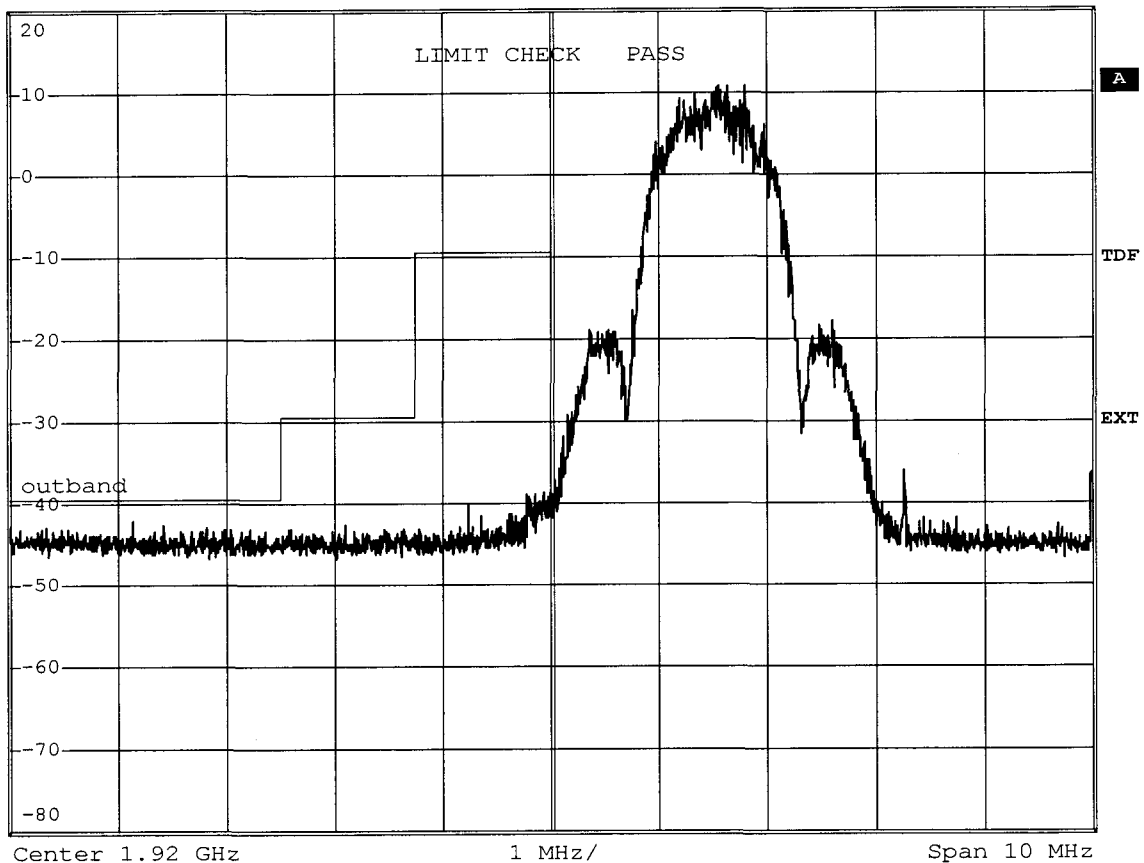
Out-of-band emission

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

Ref 20 dBm

*Att 30 dB

1 PK
MAXH



Comment: Ansi C63.17-1998 6.1.6.2
Date: 9.MAR.2007 08:52:16

Measurement diagram

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

Testprocedure ANSI 63.17-1998 6.1.6.2 UPCS

EUT	KIRK UPCS (DECT based) Handset (PP)
Model	PP5180 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



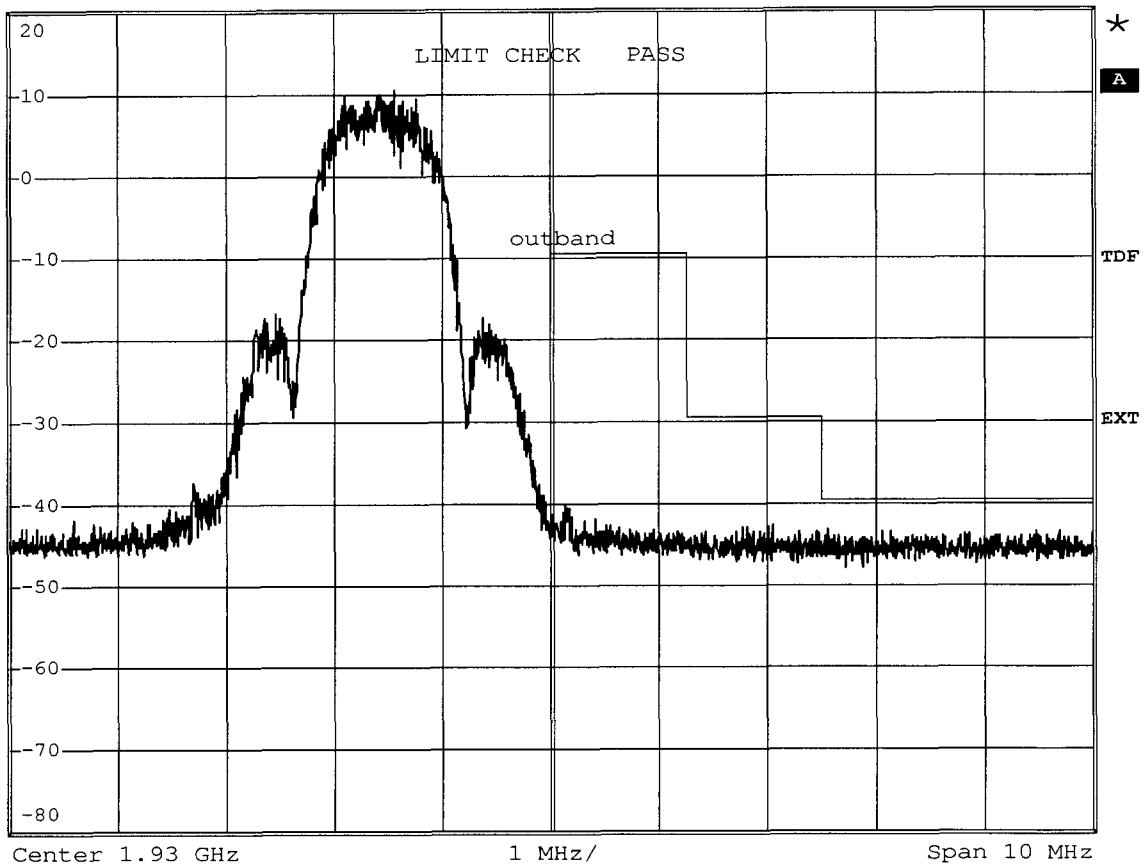
Out-of-band emission

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

Ref 20 dBm

*Att 30 dB

1 PK
MAXH



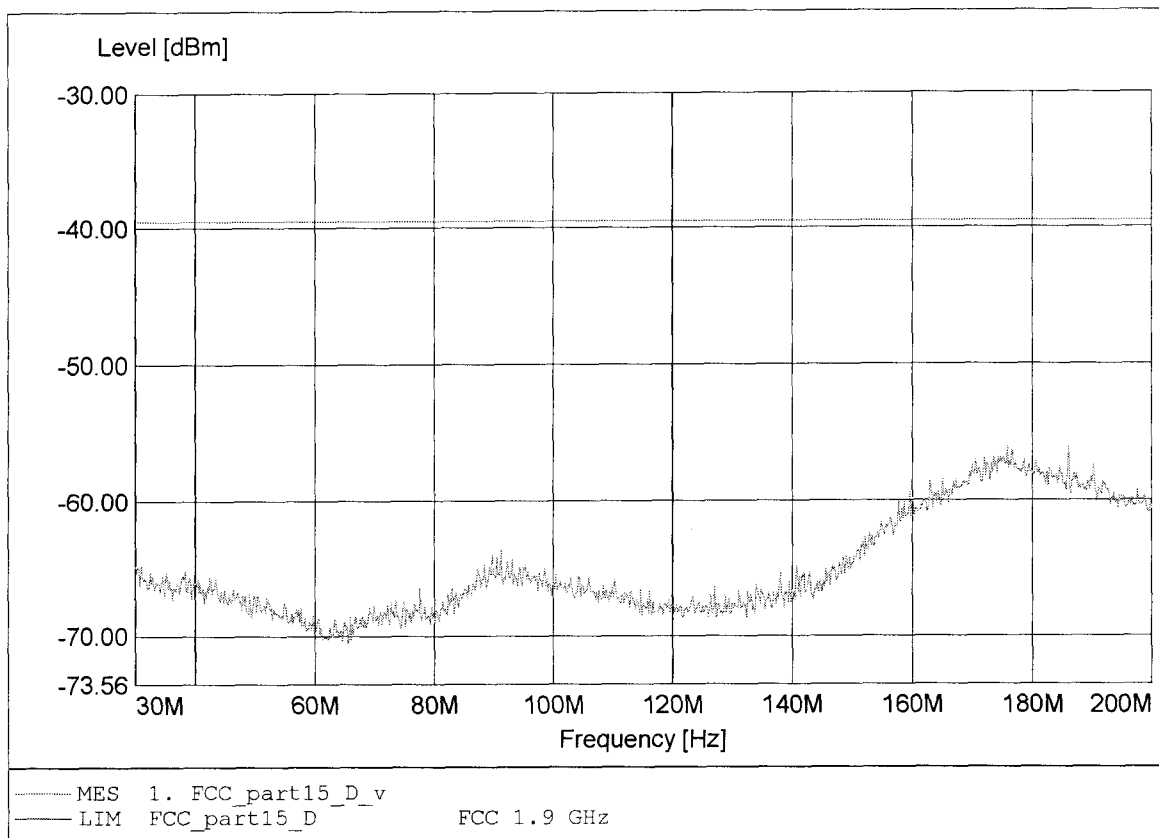
Comment: Ansi C63.17-1998 6.1.6.2
Date: 9.MAR.2007 08:50:49

Measurement diagram

Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

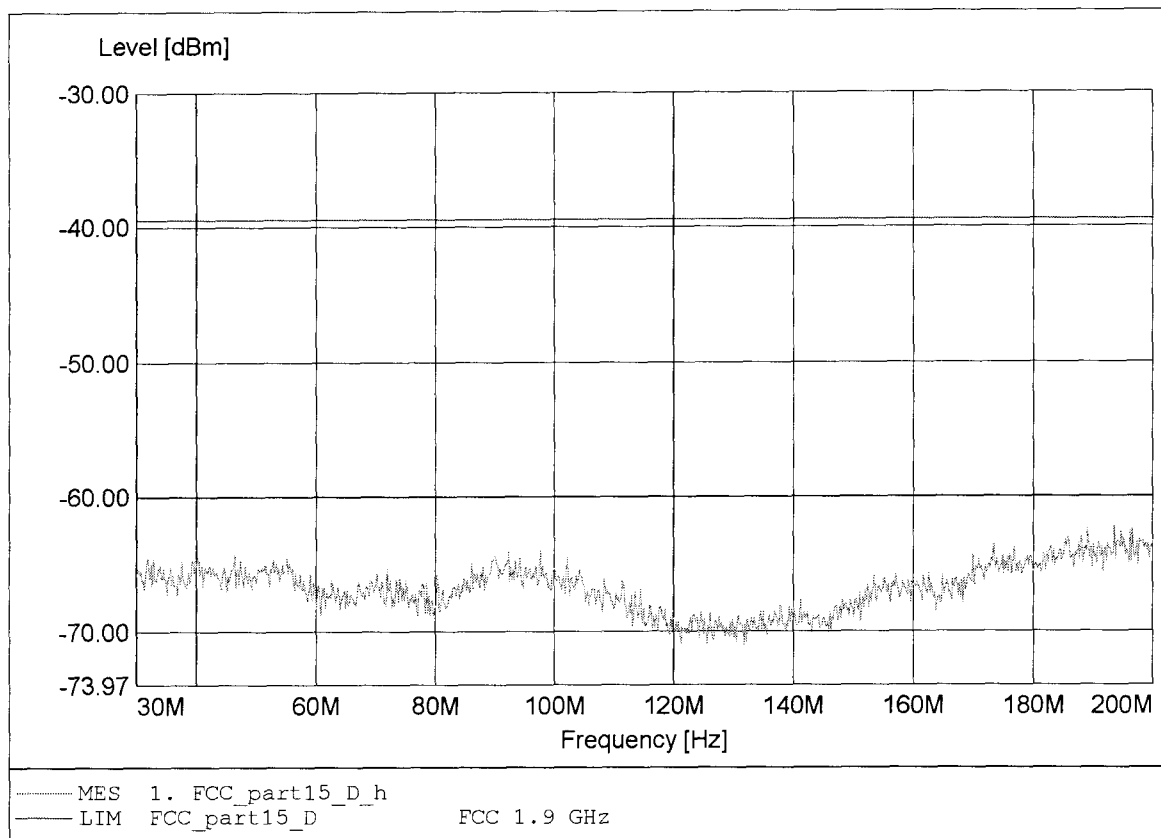
Approval Holder: KIRK telecom A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model : PP5I80 1G9 / PP / Ch.: 0; 4
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 3,6 V
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HK 116,
Comment 2: Freq:175.822MHz Pmax:-56.04dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

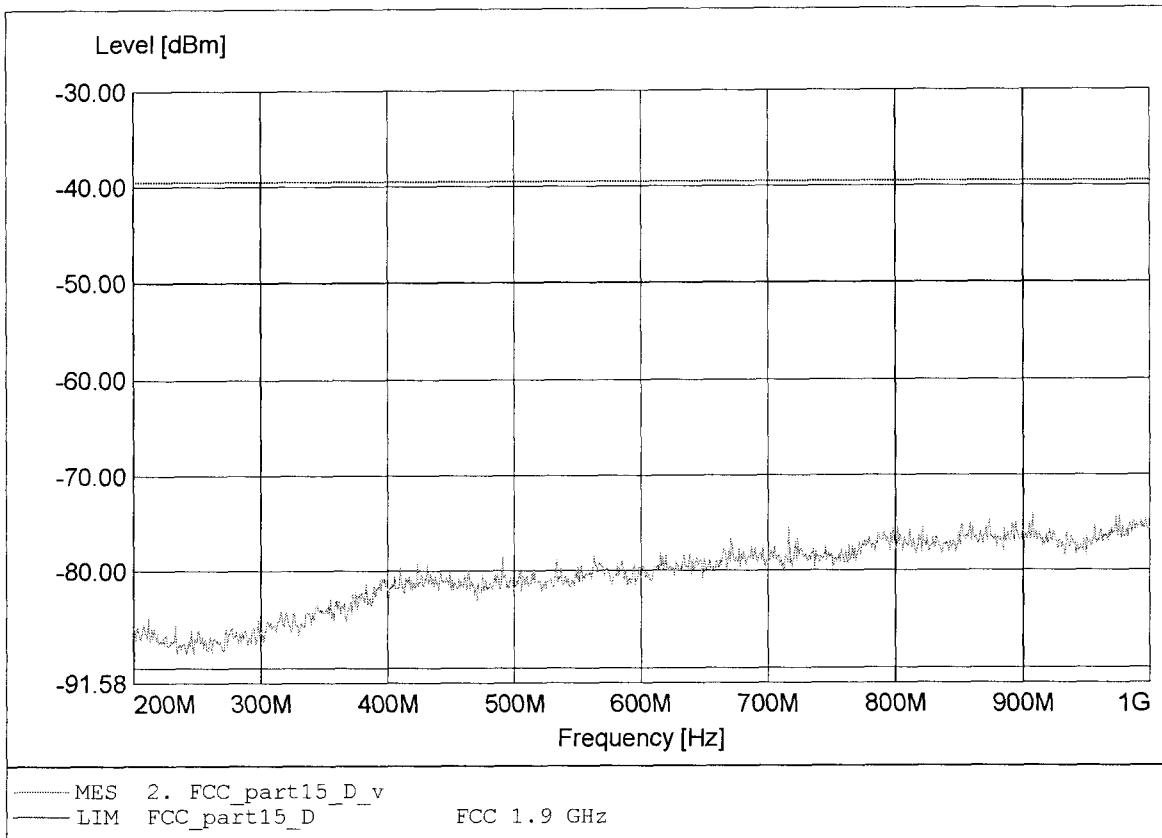
Approval Holder: KIRK telecom A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model : PP5180 1G9 / PP / Ch.: 0; 4
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 3,6 V
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HK 116,
Comment 2: Freq:193.578MHz Pmax:-62.27dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

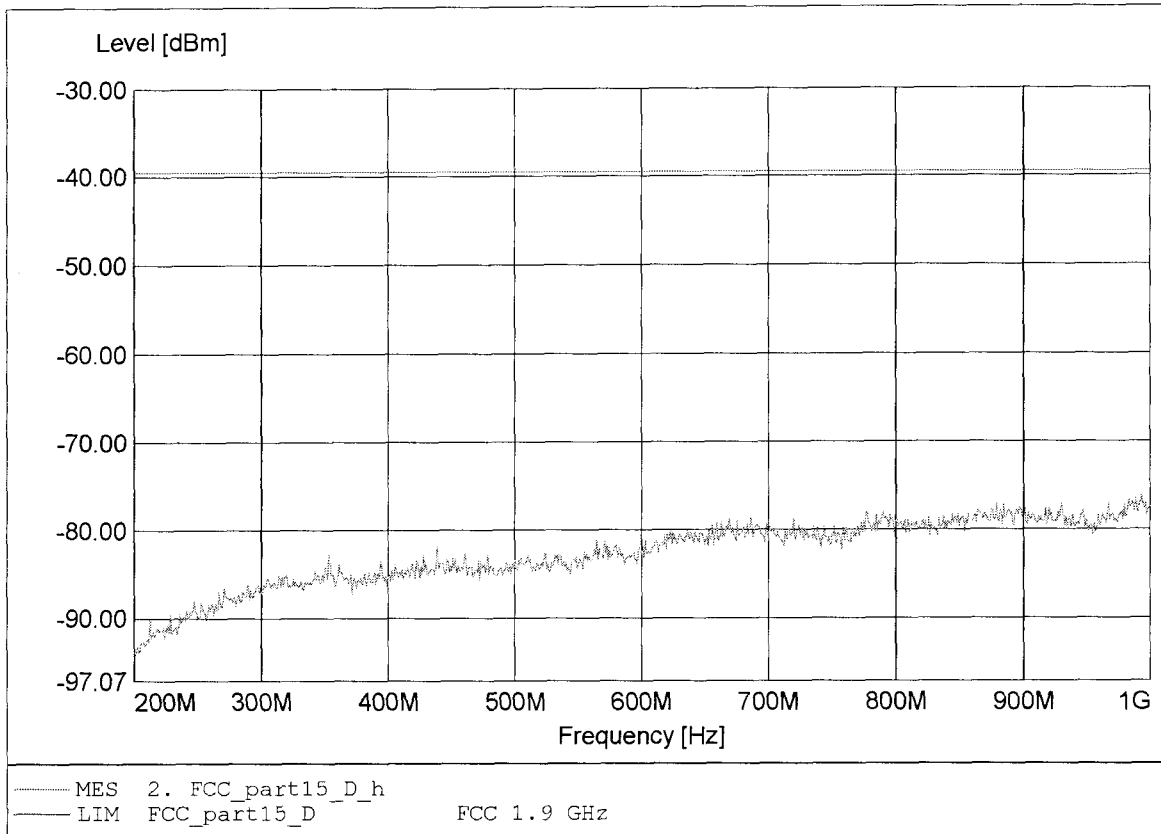
Approval Holder: KIRK telecom A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model : PP5I80 1G9 / PP / Ch.: 0; 4
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 3,6 V
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:907.556MHz Pmax:-74.14dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

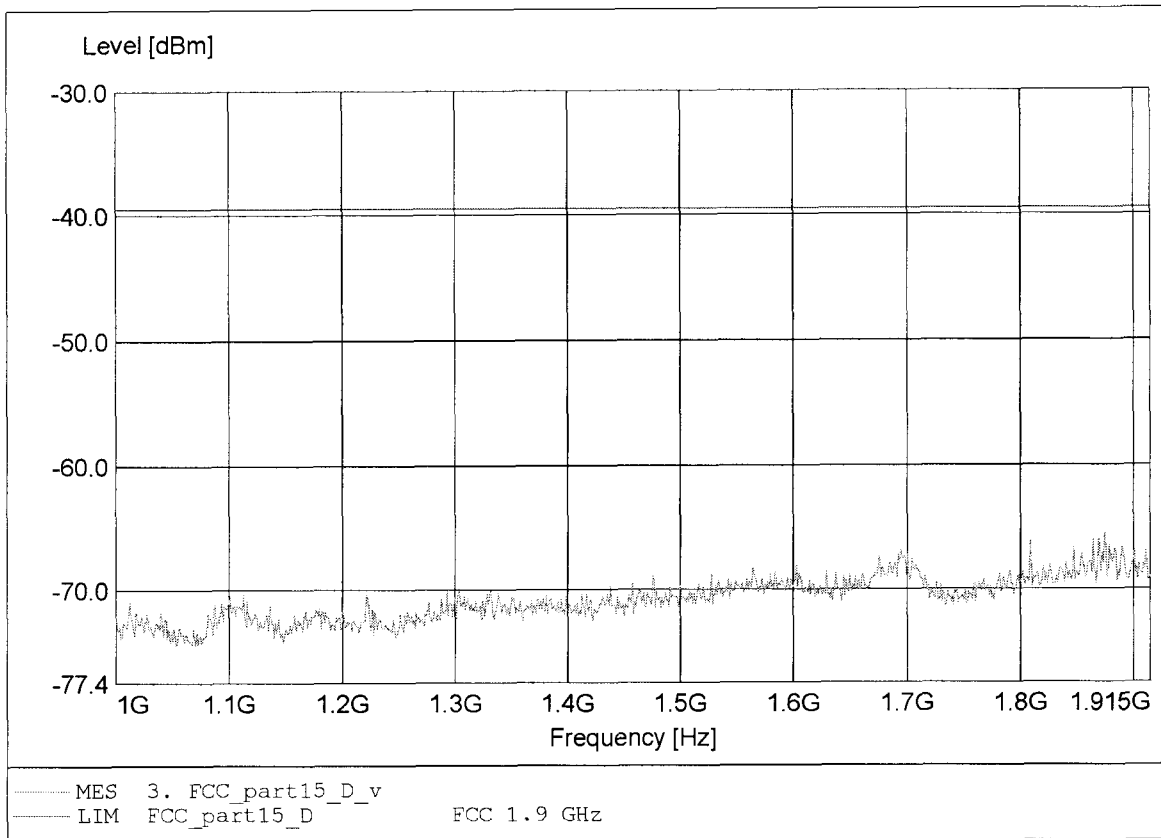
Approval Holder: KIRK telecom A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model : PP5I80 1G9 / PP / Ch.: 0; 4
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 3,6 V
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:992.889MHz Pmax:-76.25dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

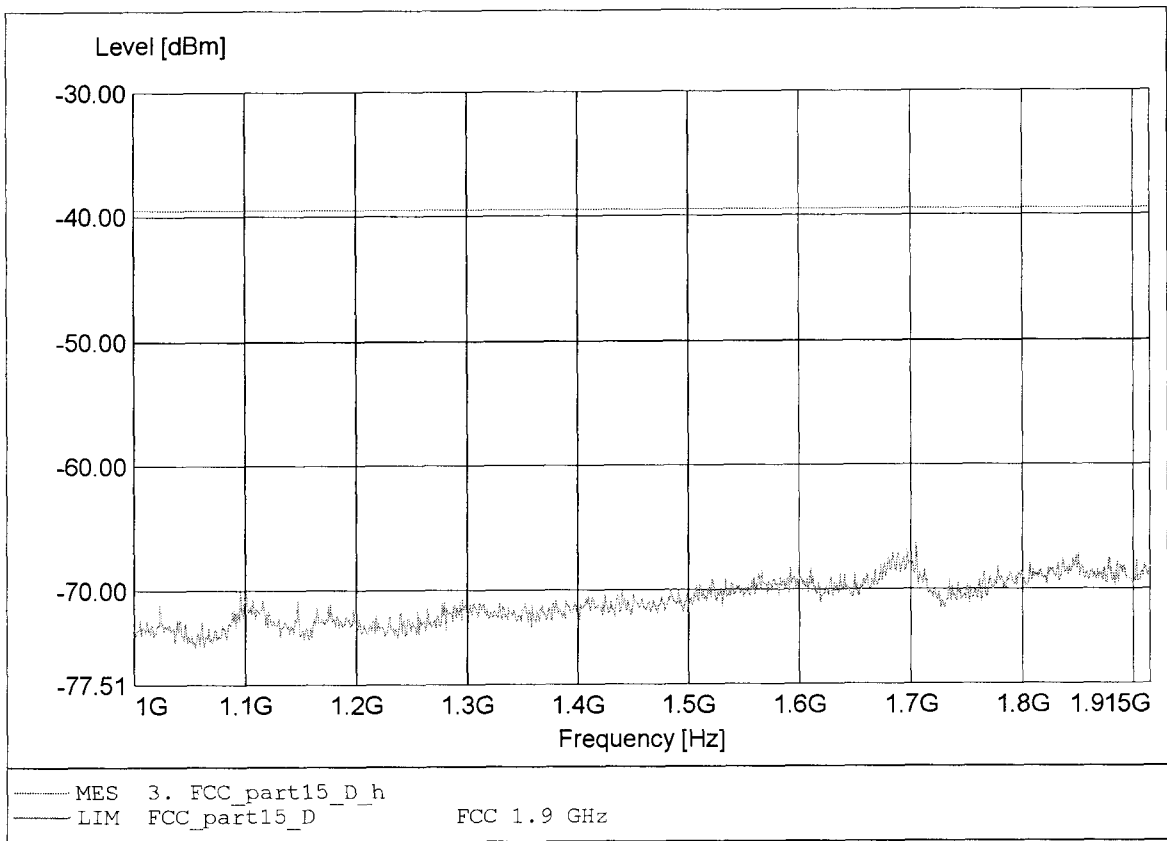
Approval Holder: KIRK telecom A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model : PP5I80 1G9 / PP / Ch.: 0; 4
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 3,6 V
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.874GHz Pmax:-65.49dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

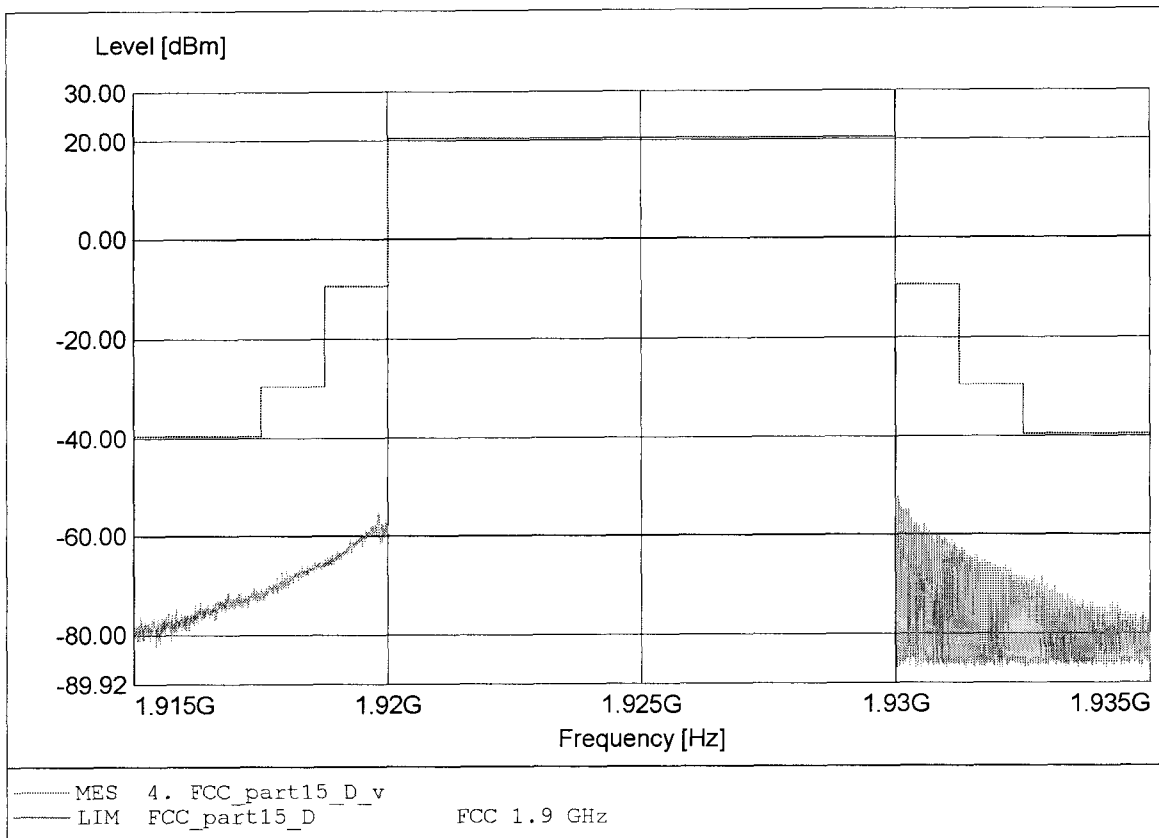
Approval Holder: KIRK telecom A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model : PP5180 1G9 / PP / Ch.: 0; 4
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 3,6 V
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.705GHz Pmax:-66.30dBm RBW: 100 kHz



Spurious emissions under normal conditions

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

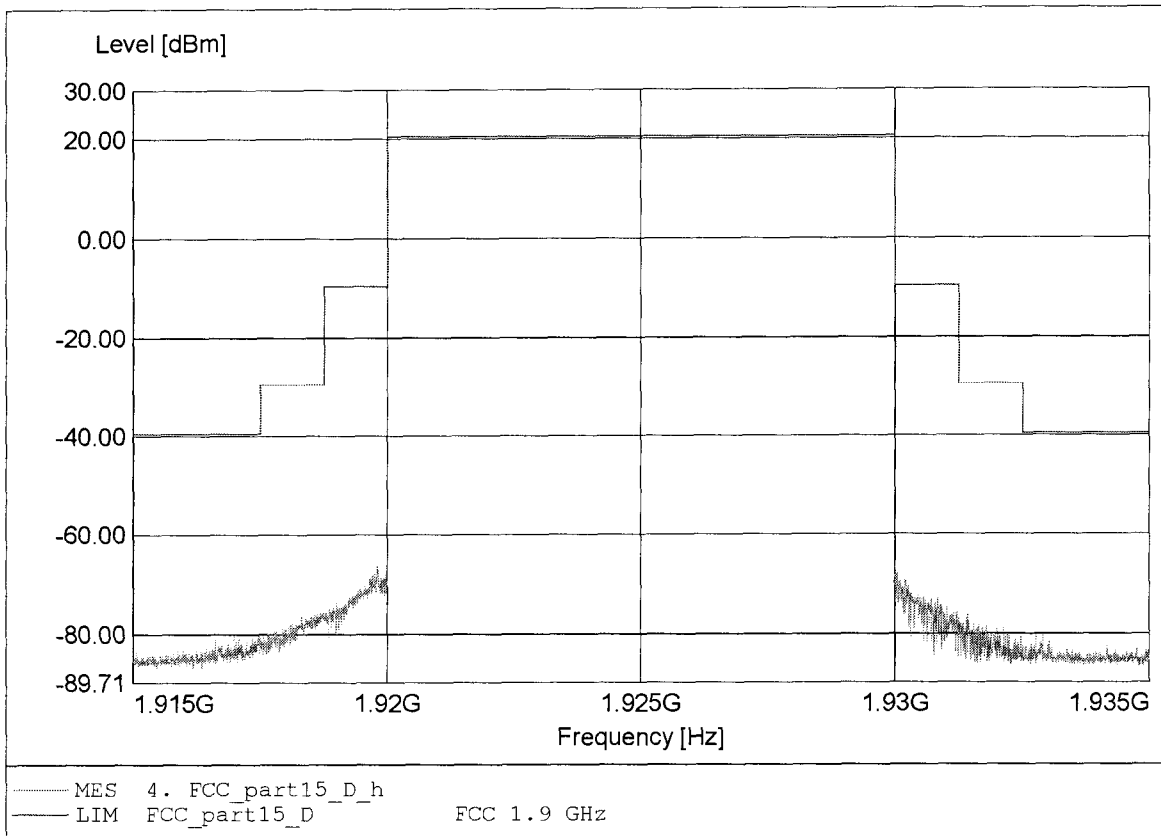
Approval Holder: KIRK telecom A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model : PP5I80 1G9 / PP / Ch.: 0; 4
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 3,6 V
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.930GHz Pmax:-52.25dBm RBW: 10 kHz



Spurious emissions under normal conditions

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

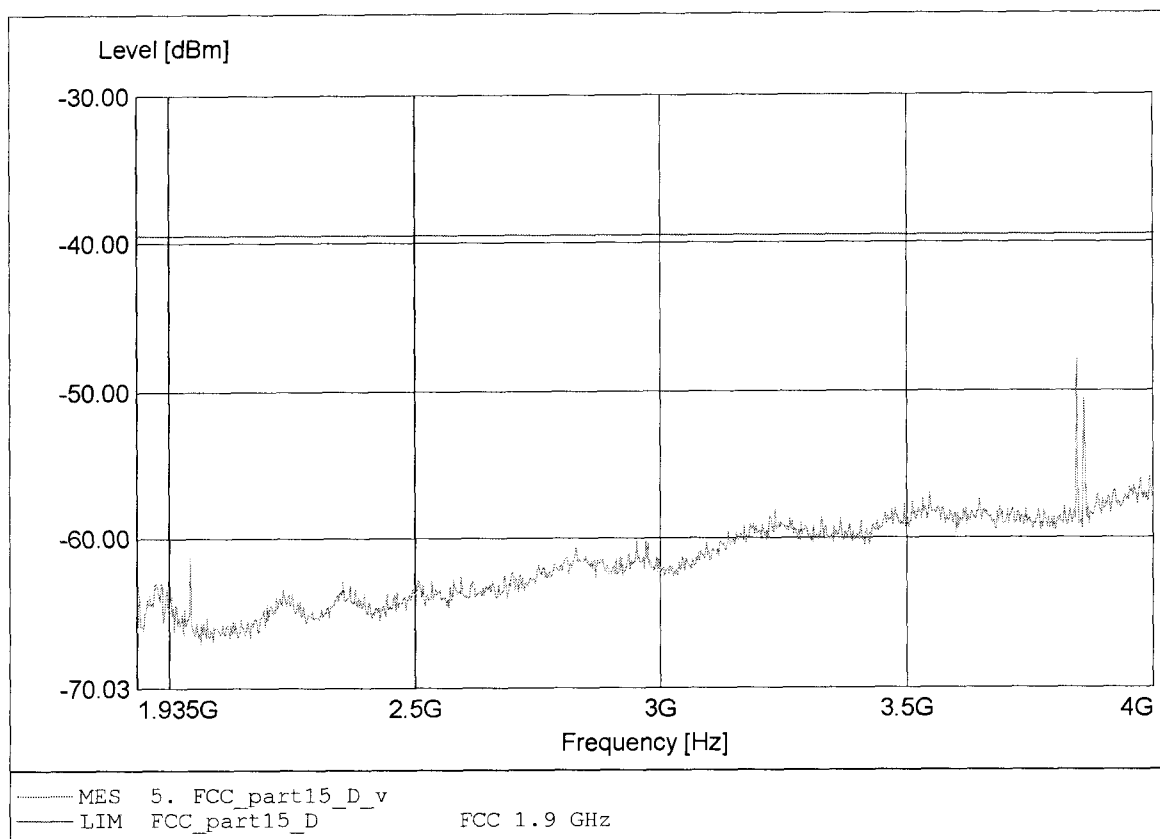
Approval Holder: KIRK telecom A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model : PP5I80 1G9 / PP / Ch.: 0; 4
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 3,6 V
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.920GHz Pmax:-66.35dBm RBW: 10 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

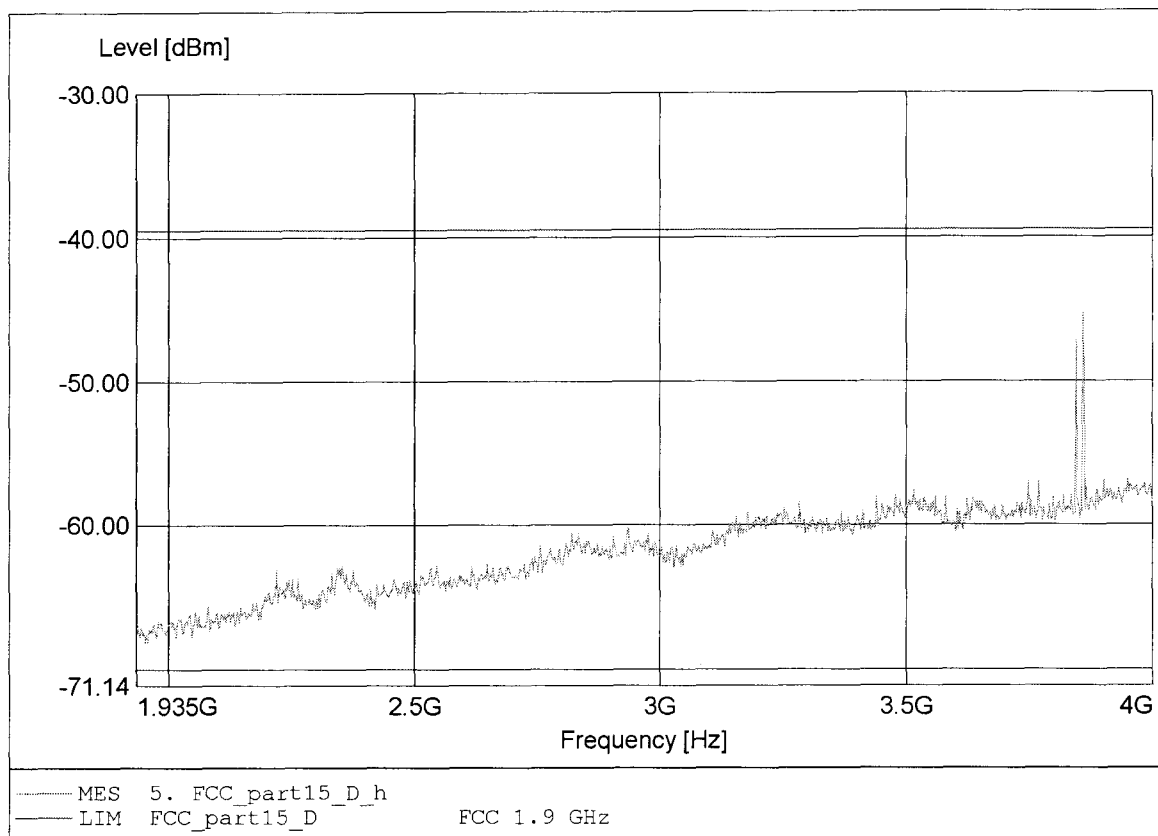
Approval Holder: KIRK telecom A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model : PP5I80 1G9 / PP / Ch.: 0; 4
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 3,6 V
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:3.844GHz Pmax:-47.82dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

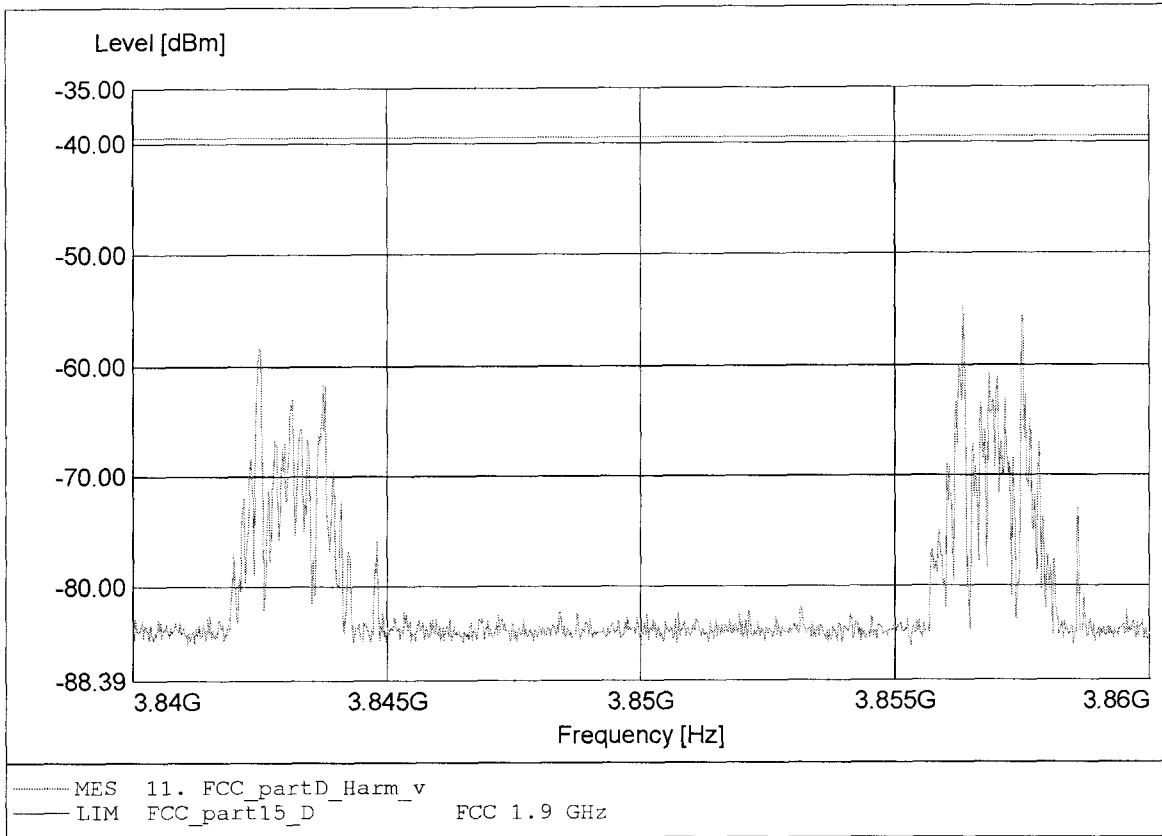
Approval Holder: KIRK telecom A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model : PP5180 1G9 / PP / Ch.: 0; 4
Operator : ETS / Mr. Cerovsky
Test Conditions: 25°C / Unom.: 3,6 V
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:3.858GHz Pmax:-45.19dBm RBW: 100 kHz



Spurious emissions under normal conditions

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

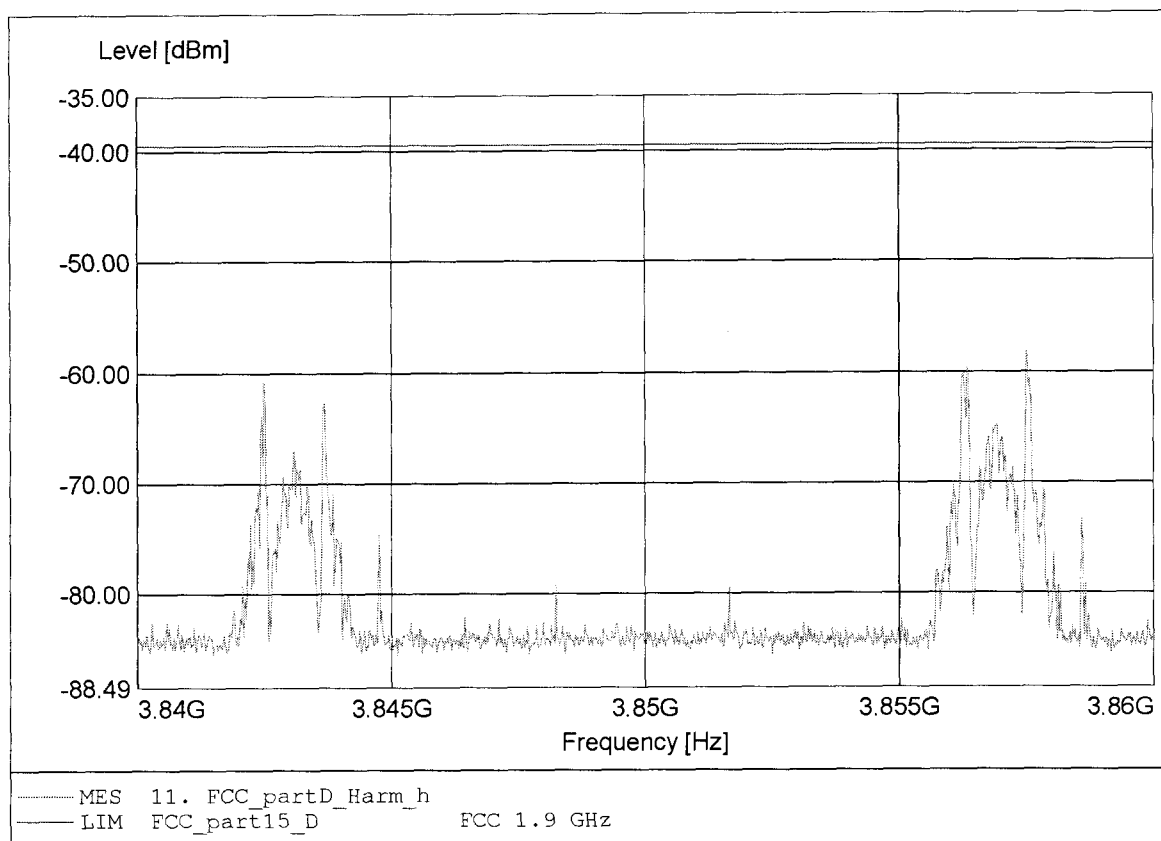
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model / Channel: PP5I80 1G9 / 0 & 4
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:3.856GHz Pmax:-54.59dBm RBW:10 kHz



Spurious emissions under normal conditions

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

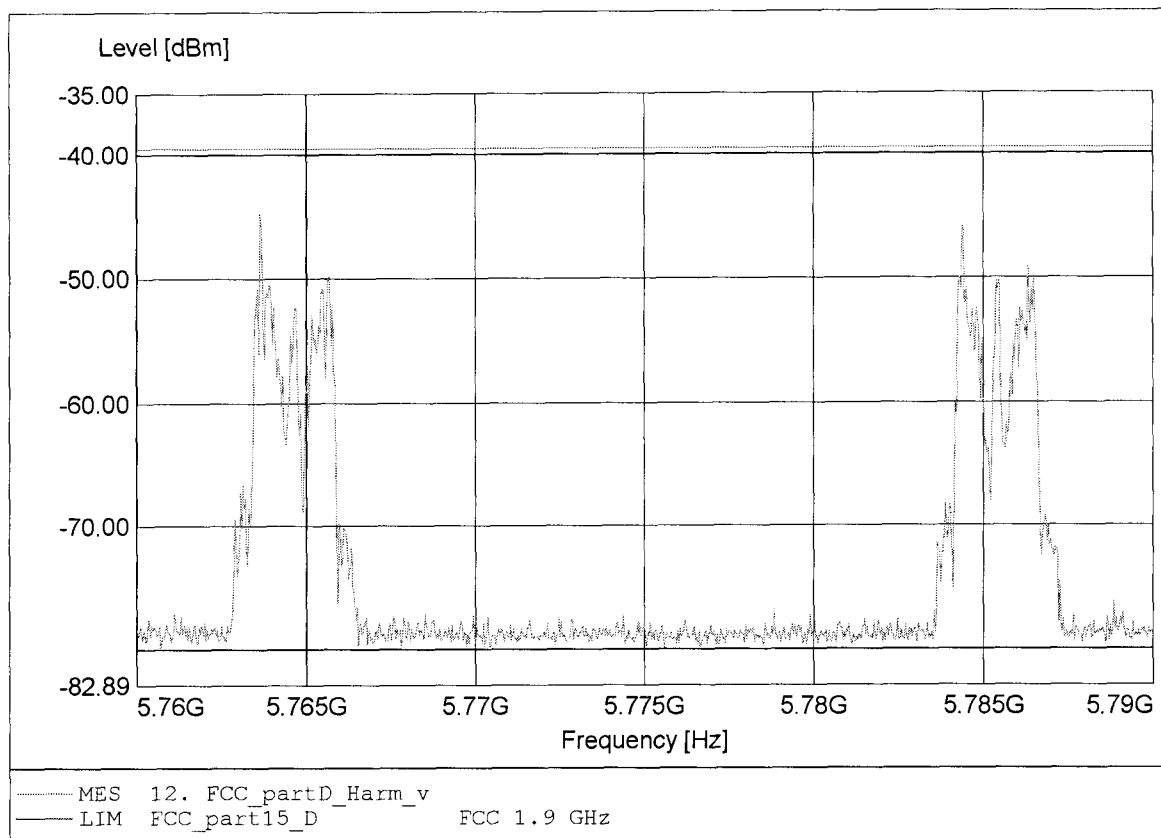
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model / Channel: PP5I80 1G9 / 0 & 4
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:3.857GHz Pmax:-58.21dBm RBW:10 kHz



Spurious emissions under normal conditions

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

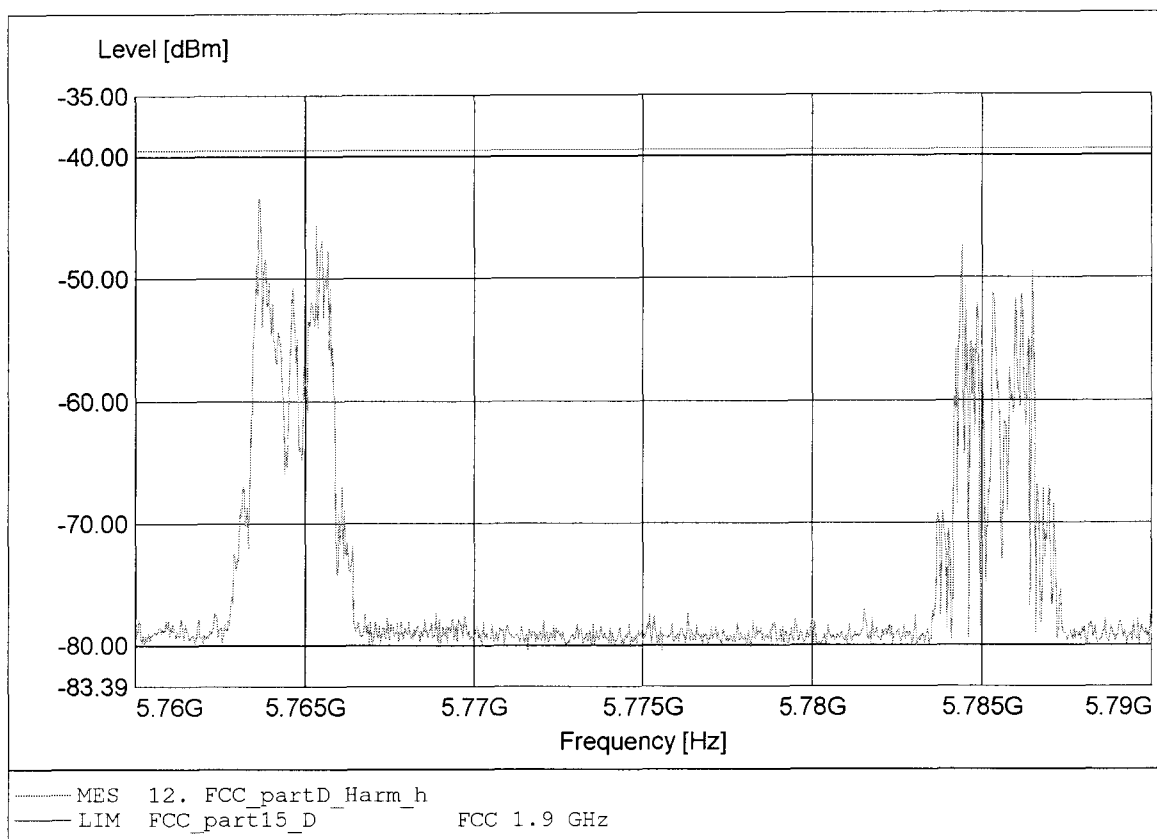
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model / Channel: PP5I80 1G9 / 0 & 4
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:5.764GHz Pmax:-44.77dBm RBW:10 kHz



Spurious emissions under normal conditions

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

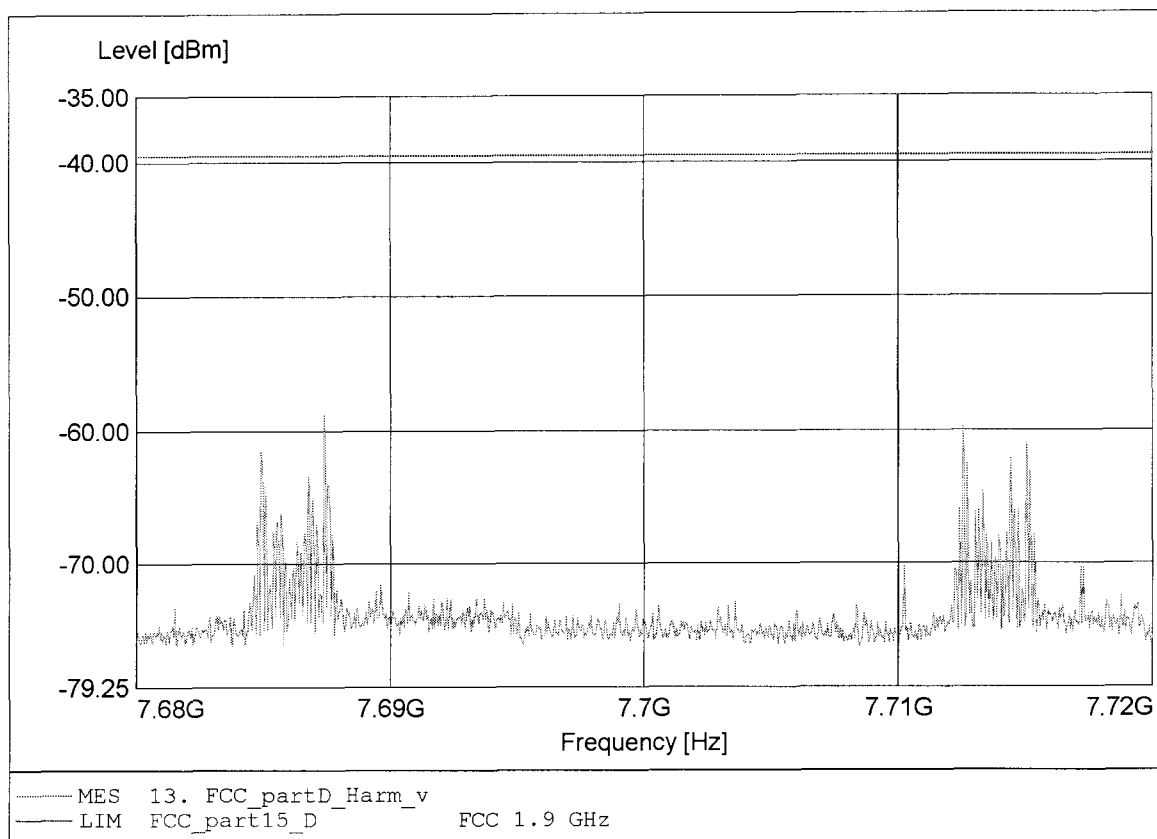
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model / Channel: PP5I80 1G9 / 0 & 4
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:5.764GHz Pmax:-43.45dBm RBW:10 kHz



Spurious emissions under normal conditions

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

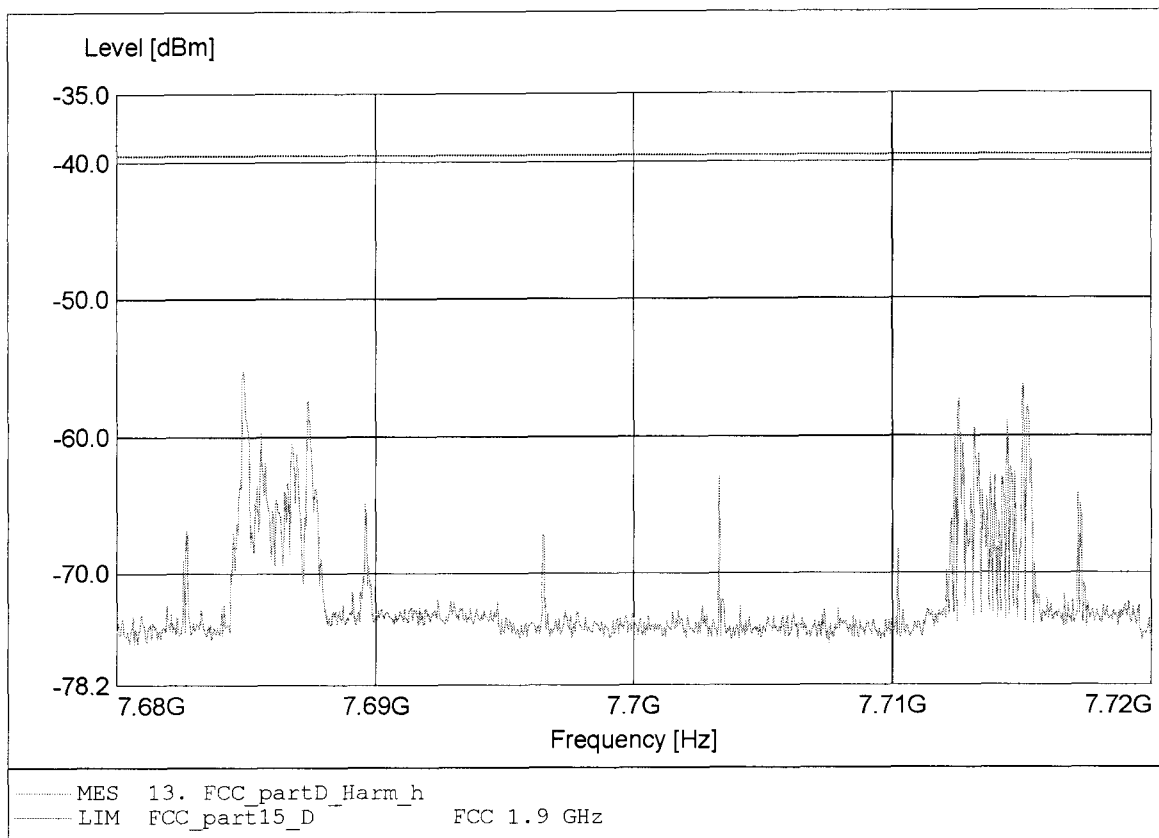
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model / Channel: PP5I80 1G9 / 0 & 4
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:7.687GHz Pmax:-58.74dBm RBW:10 kHz



Spurious emissions under normal conditions

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

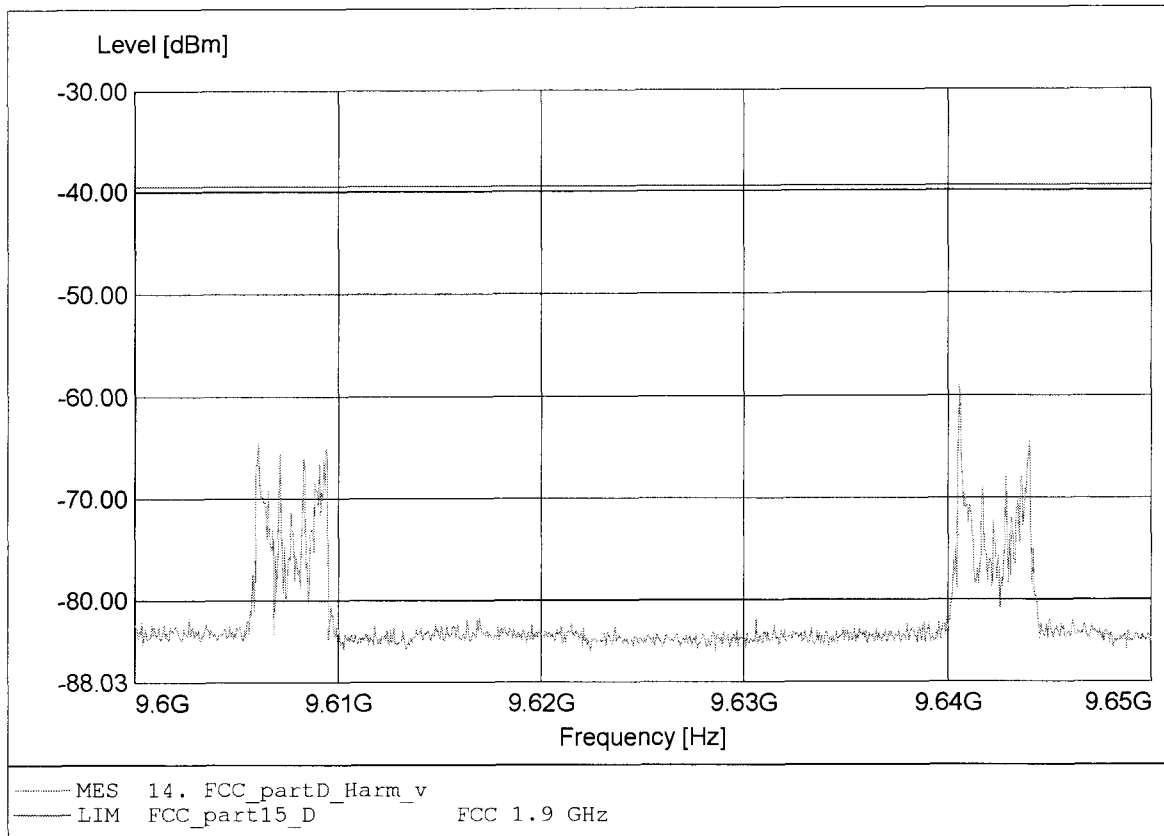
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model / Channel: PP5I80 1G9 / 0 & 4
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:7.685GHz Pmax:-55.22dBm RBW:10 kHz



Spurious emissions under normal conditions

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

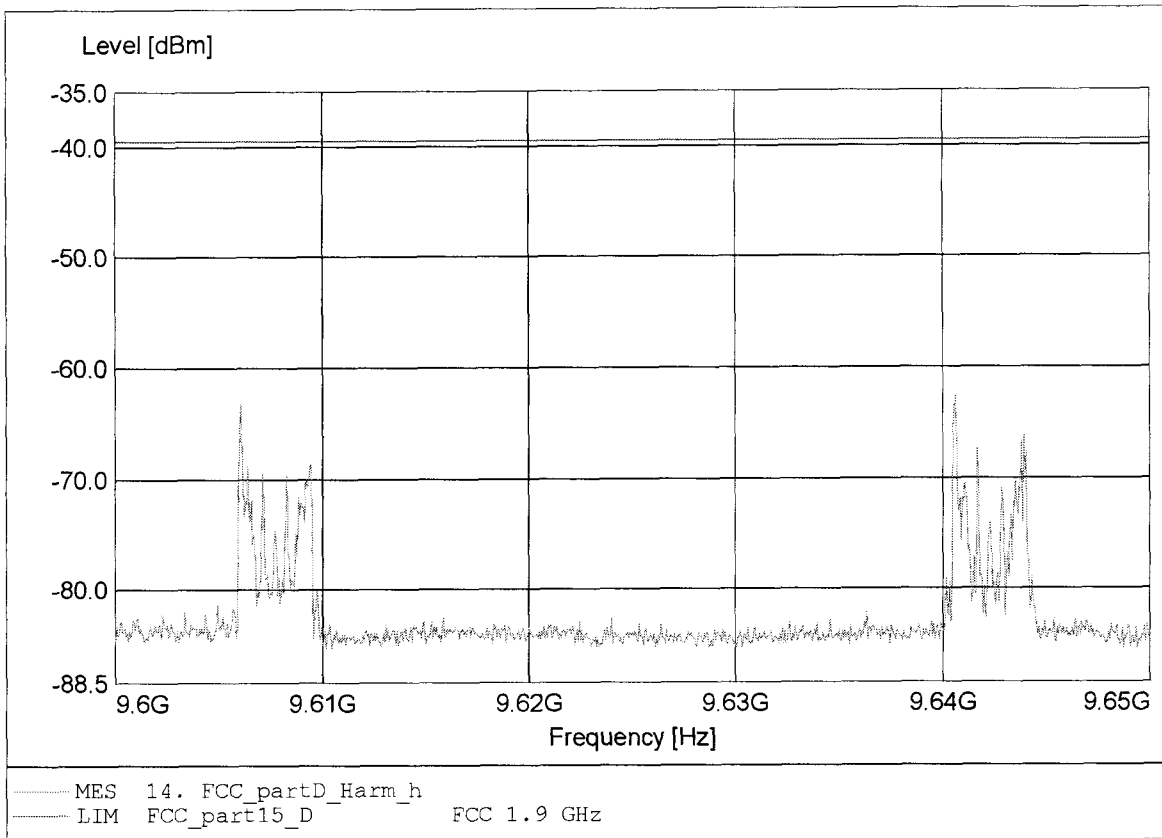
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model / Channel: PP5I80 1G9 / 0 & 4
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:9.641GHz Pmax:-59.04dBm RBW:10 kHz



Spurious emissions under normal conditions

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

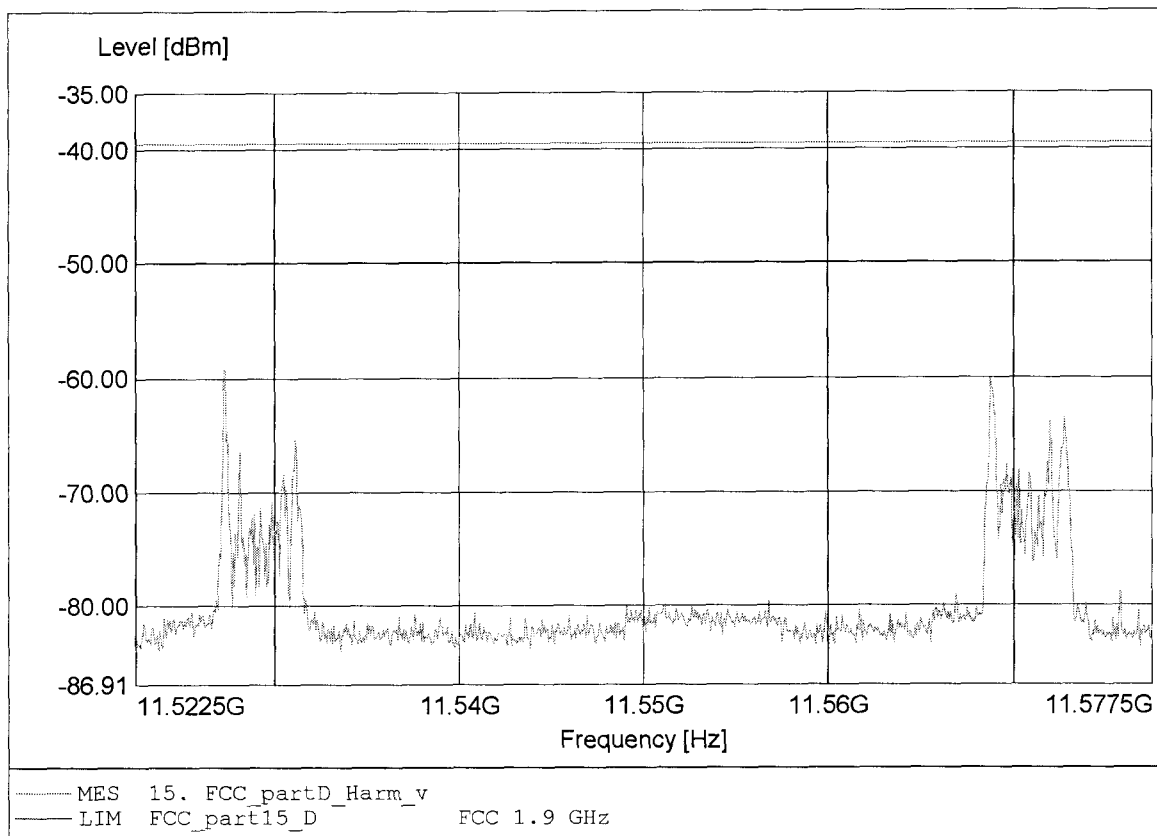
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model / Channel: PP5I80 1G9 / 0 & 4
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:9.641GHz Pmax:-62.60dBm RBW:10 kHz



Spurious emissions under normal conditions

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

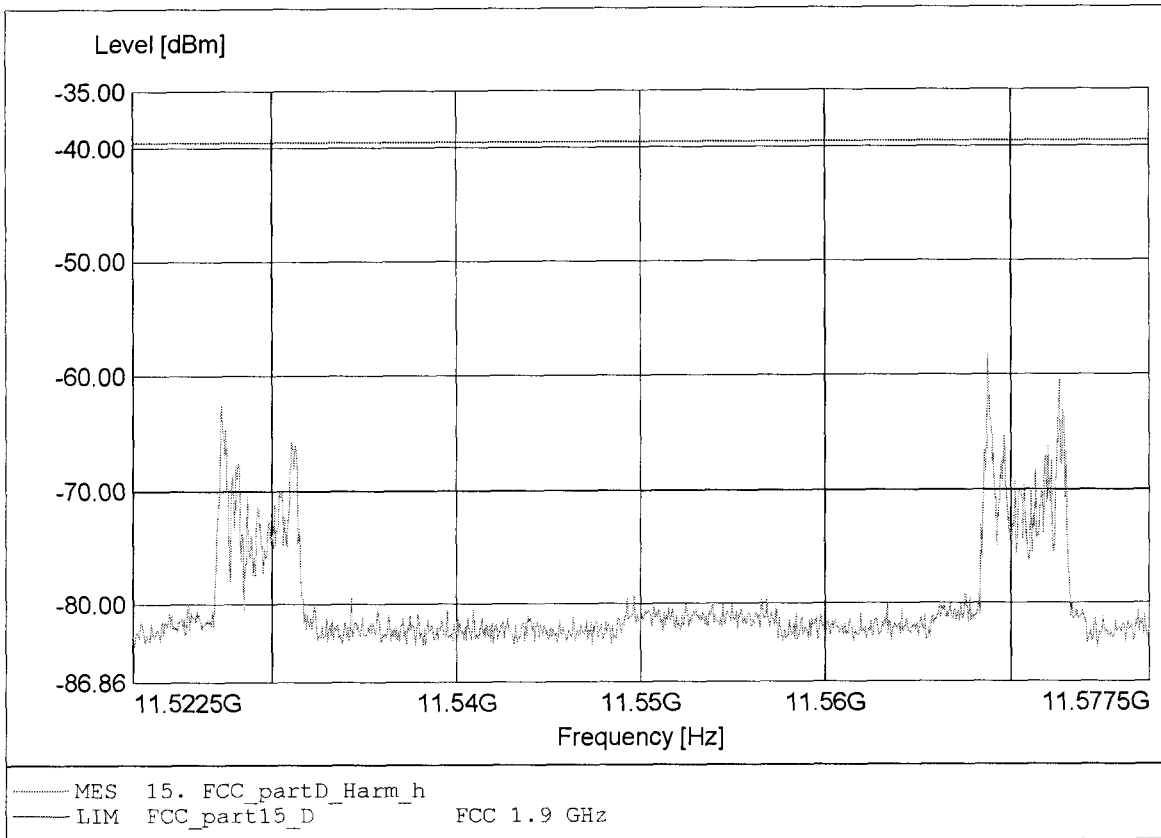
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model / Channel: PP5I80 1G9 / 0 & 4
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:11.527GHz Pmax:-59.22dBm RBW:10 kHz



Spurious emissions under normal conditions

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

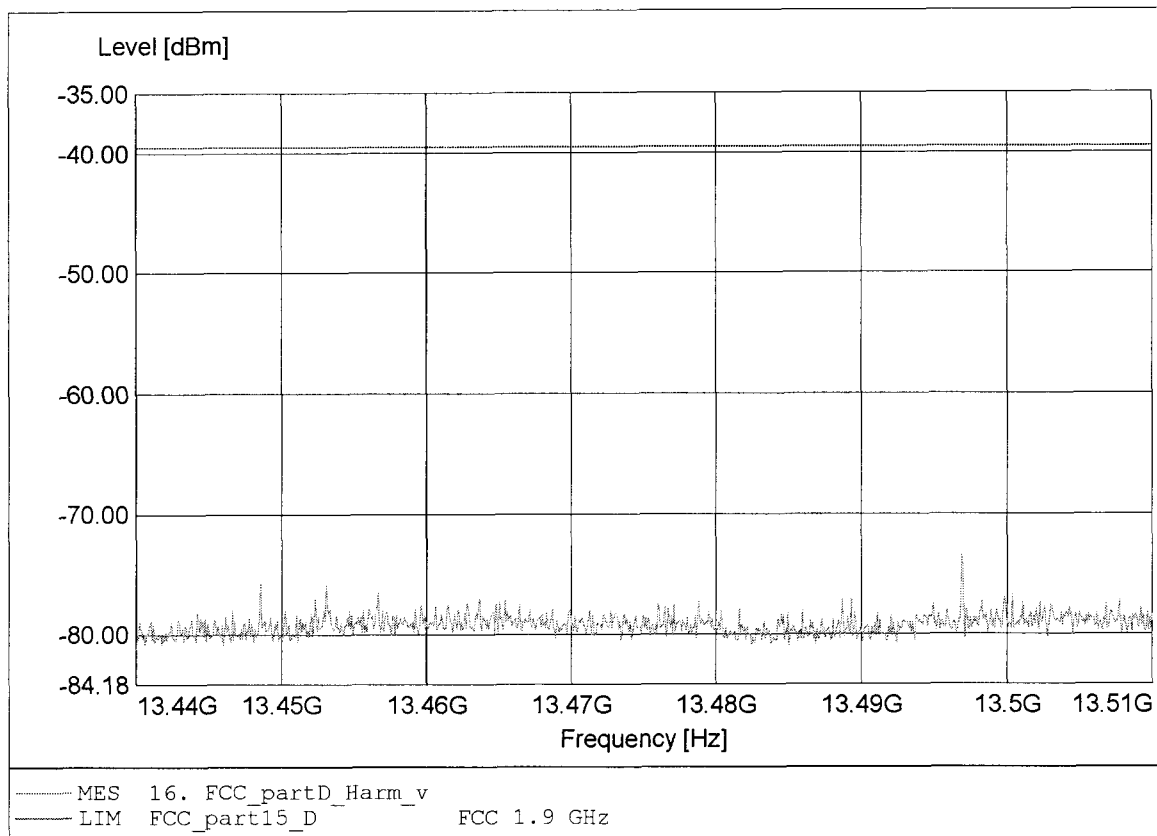
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model / Channel: PP5I80 1G9 / 0 & 4
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:11.569GHz Pmax:-58.29dBm RBW:10 kHz



Spurious emissions under normal conditions

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

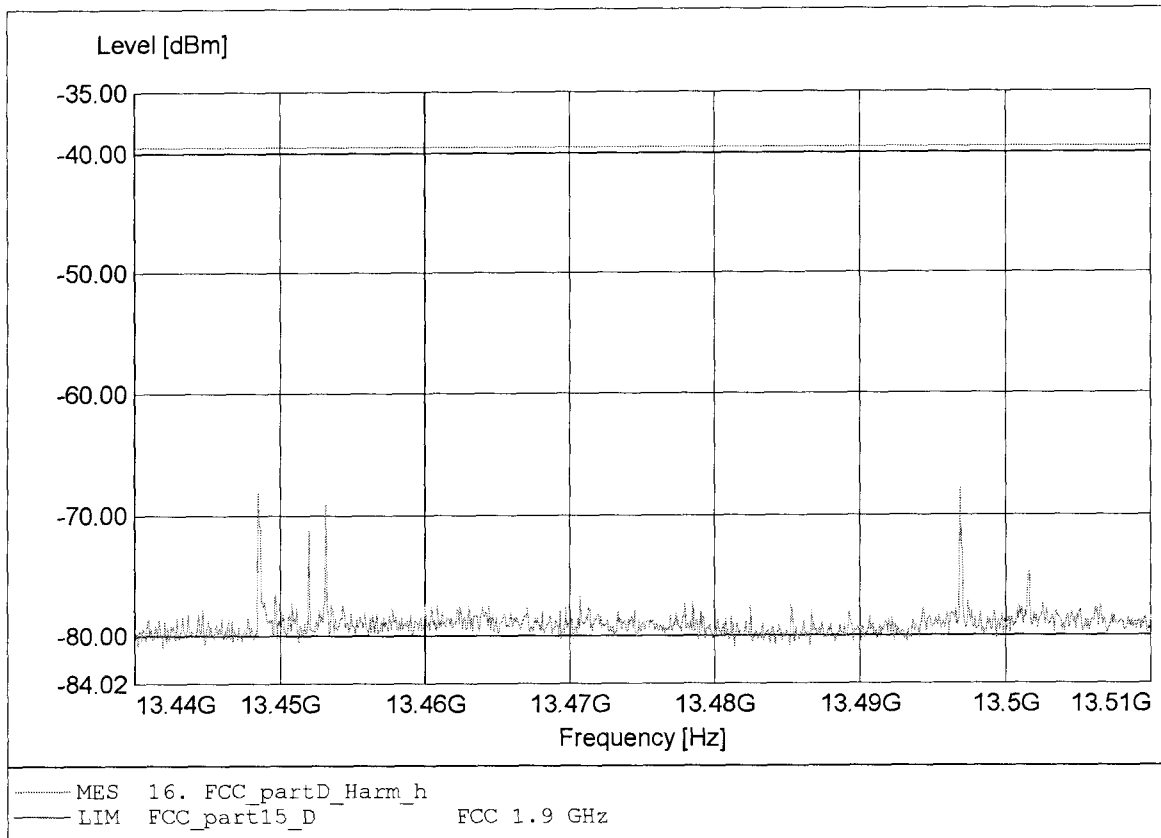
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model / Channel: PP5I80 1G9 / 0 & 4
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:13.497GHz Pmax:-73.51dBm RBW:10 kHz



Spurious emissions under normal conditions

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

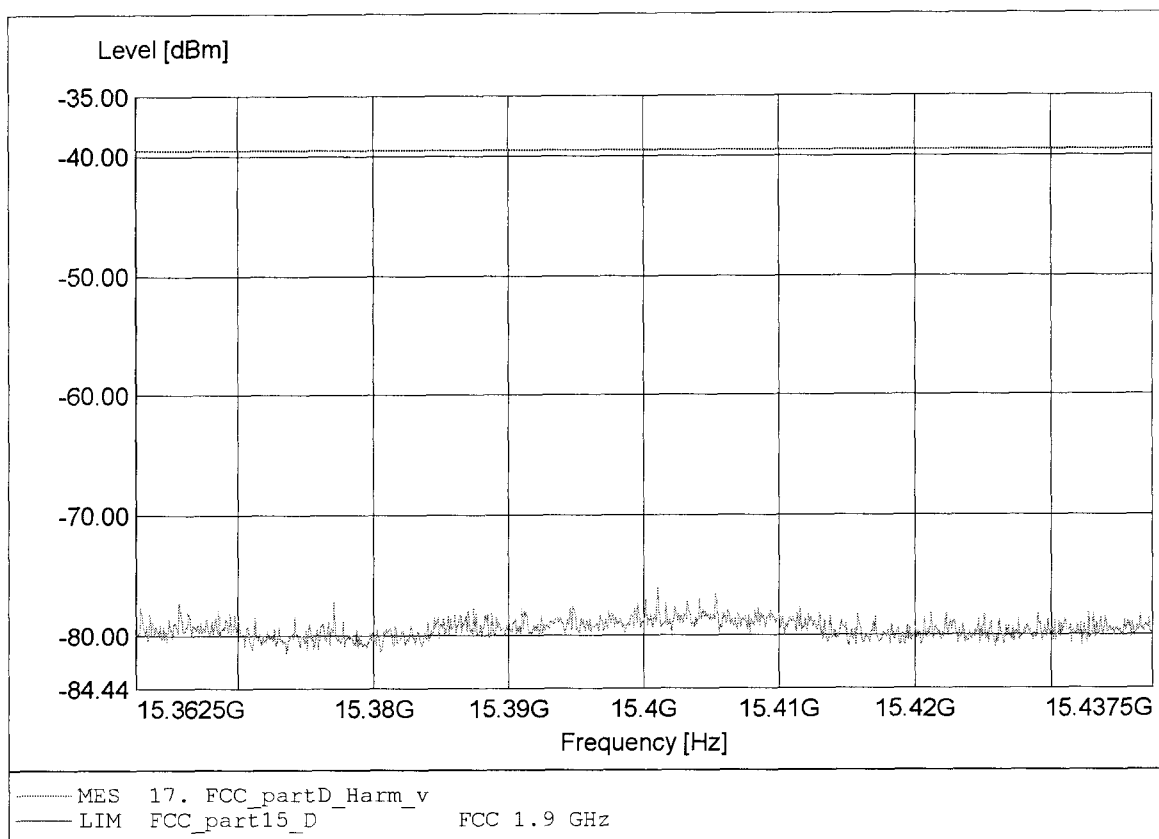
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model / Channel: PP5I80 1G9 / 0 & 4
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:13.497GHz Pmax:-67.81dBm RBW:10 kHz



Spurious emissions under normal conditions

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

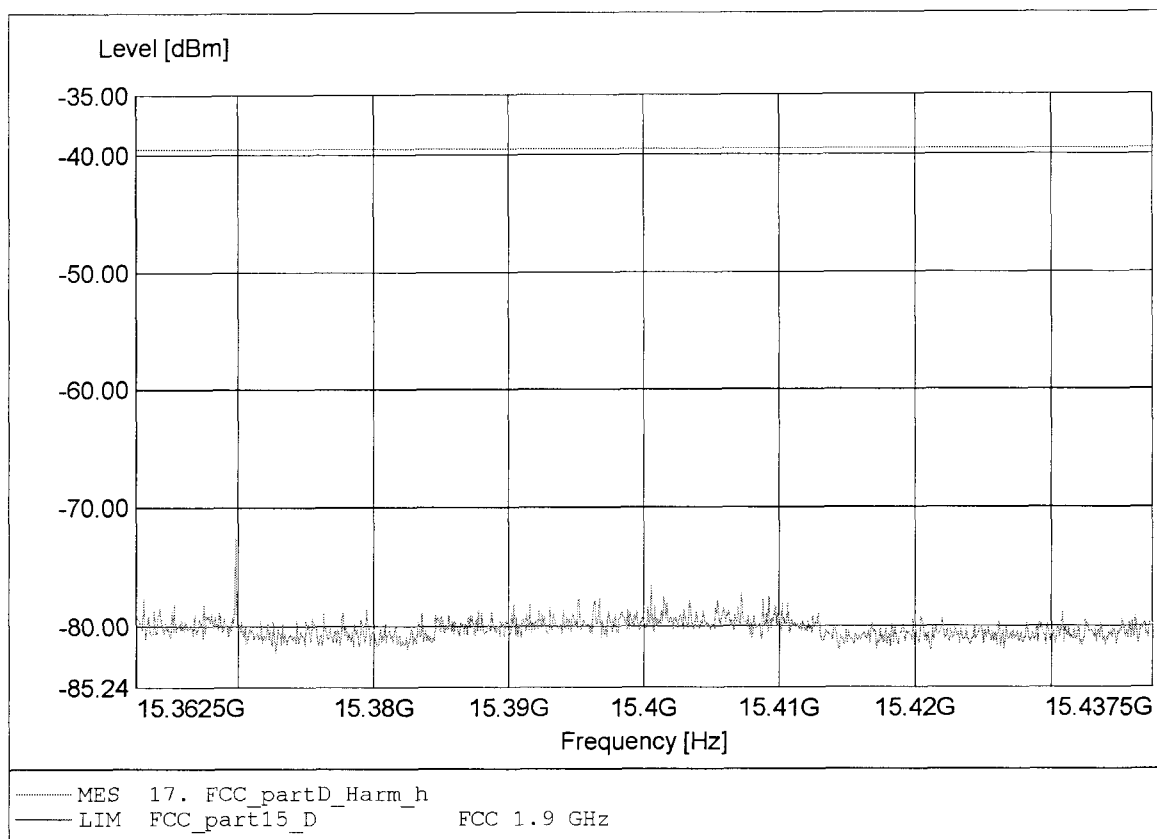
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model / Channel: PP5I80 1G9 / 0 & 4
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:15.401GHz Pmax:-76.01dBm RBW:10 kHz



Spurious emissions under normal conditions

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

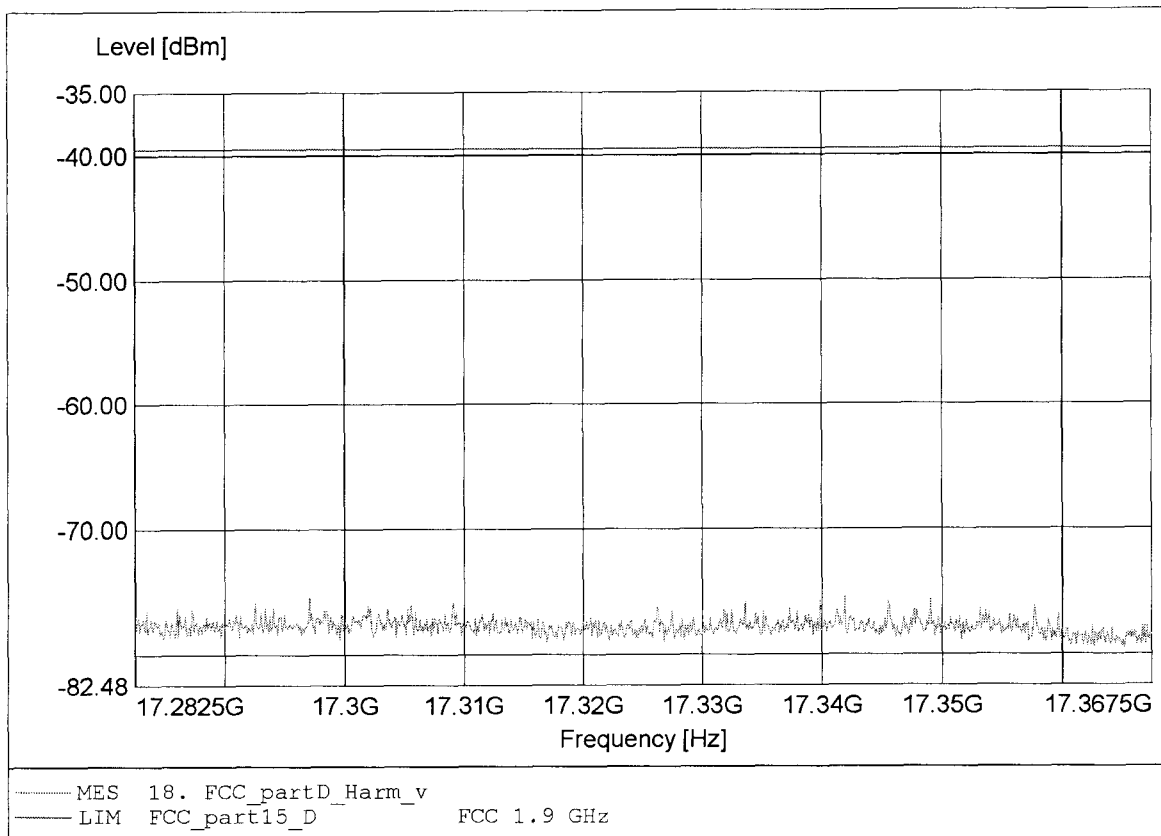
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model / Channel: PP5I80 1G9 / 0 & 4
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:15.370GHz Pmax:-72.51dBm RBW:10 kHz



Spurious emissions under normal conditions

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

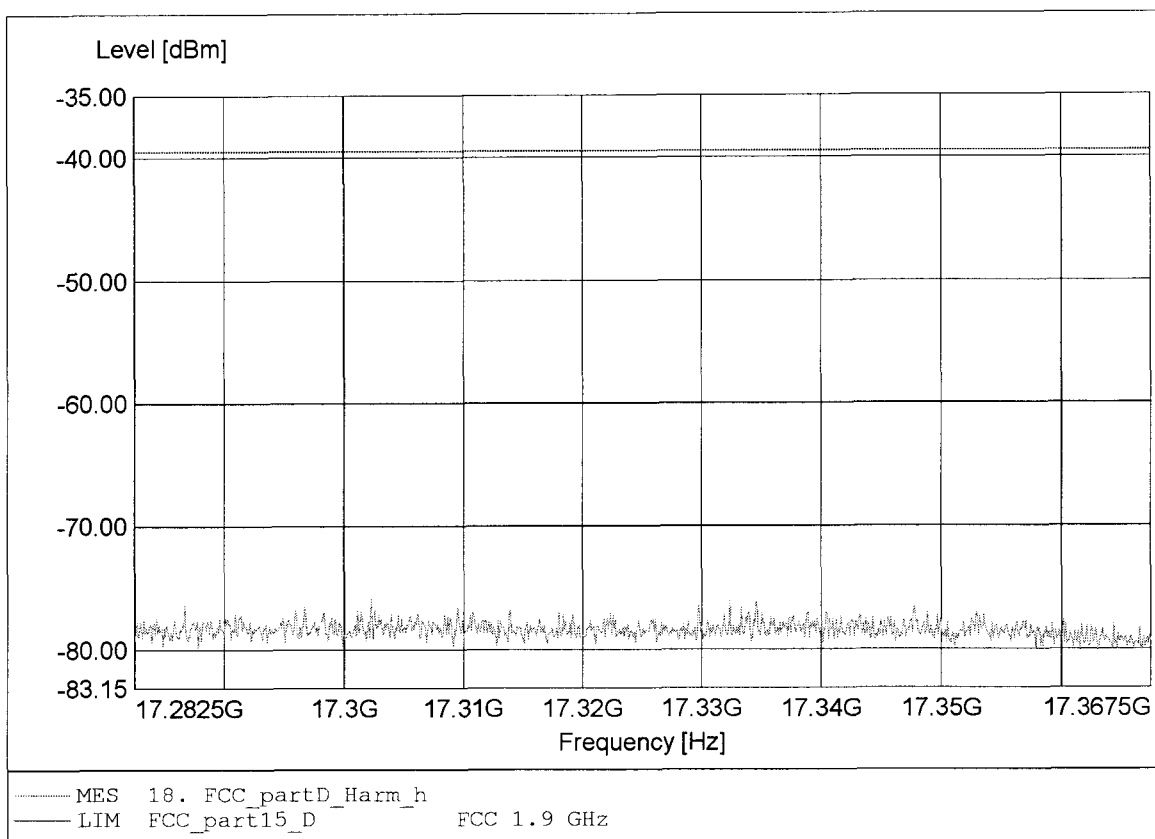
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model / Channel: PP5I80 1G9 / 0 & 4
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:17.342GHz Pmax:-75.34dBm RBW:10 kHz



Spurious emissions under normal conditions

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

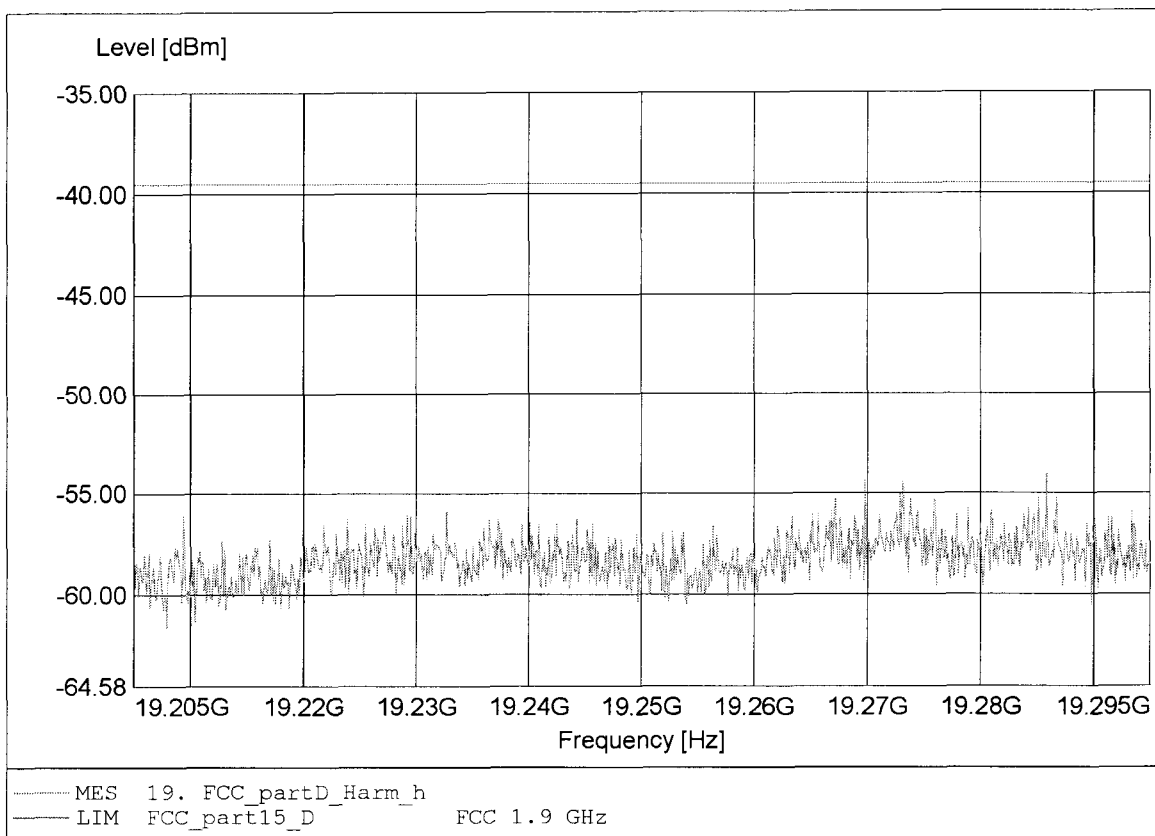
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model / Channel: PP5I80 1G9 / 0 & 4
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:17.302GHz Pmax:-75.82dBm RBW:10 kHz



Spurious emissions under normal conditions

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

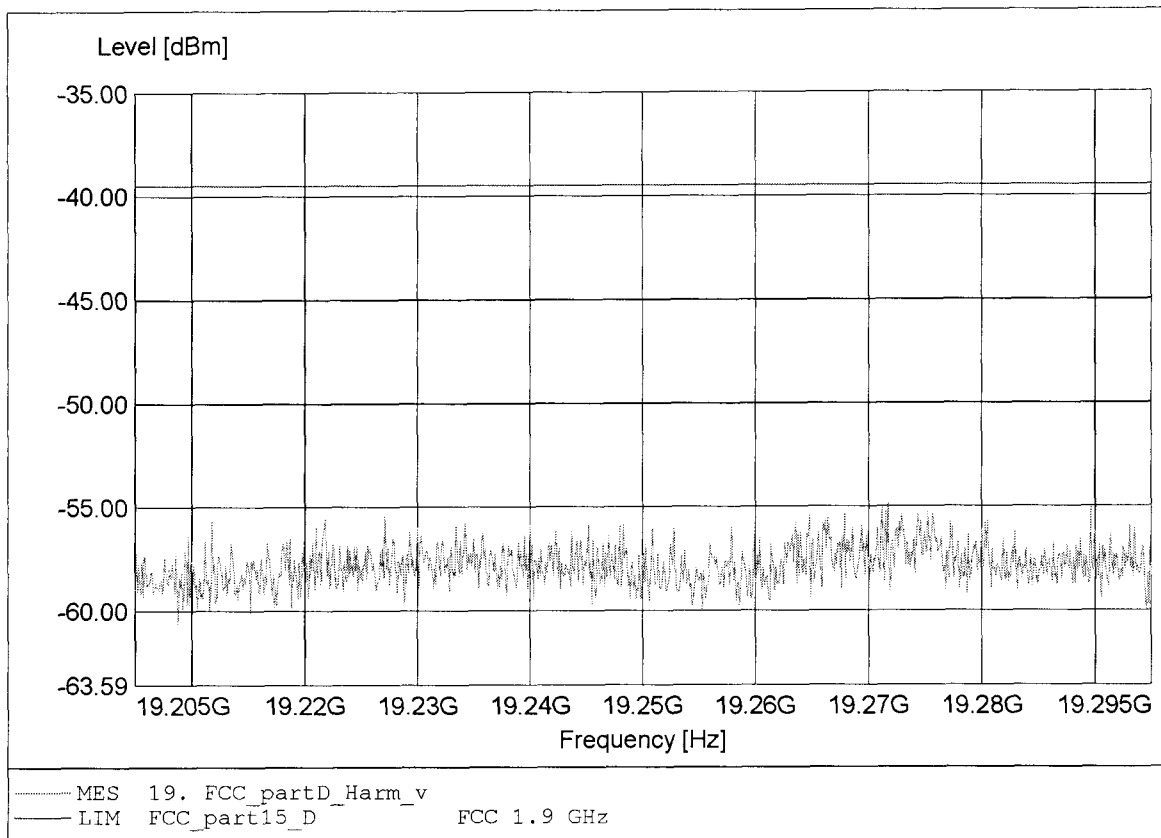
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model / Channel: PP5I80 1G9 / 0 & 4
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:19.286GHz Pmax:-54.02dBm 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 UPCS (DECT BASED) HANDSET (PP)
Model / Channel: PP5I80 1G9 / 0 & 4
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:19.272GHz Pmax:-54.91dBm RBW:10 kHz



Appendix S

Frame period

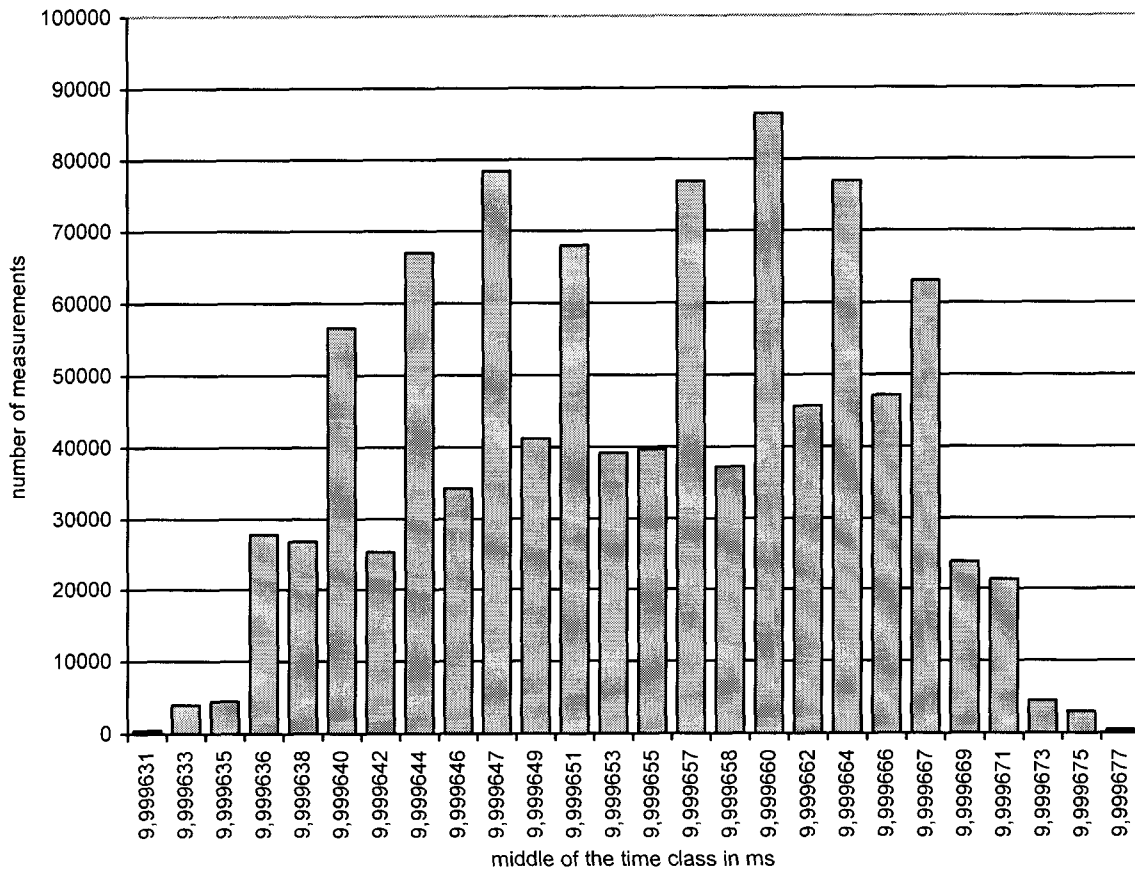
FCC Part 15.323(e.4) Frame Period and jitter

Testprocedure ANSI 63.17-1998 6.2.3 UCPS

EUT	KIRK UPCS (DECT based) Handset (PP)
Model	PP5180 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	0,001825 μ s
Mean	9,999654 ms
Deviation	0,000010
Max-Min	0,045635 μ s
Test result	Verdict = PASS

Histogram



Measurement diagram

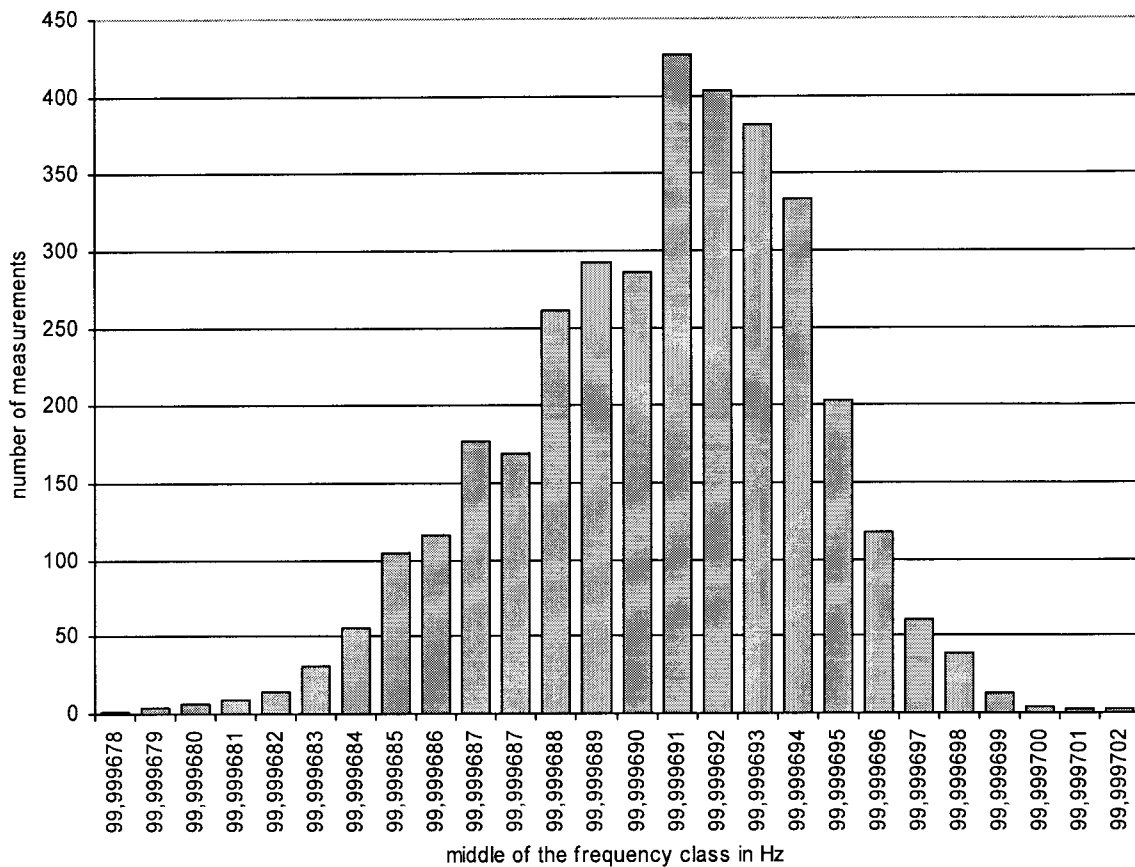
FCC Part 15.323(e.1) Frame repetition

Testprocedure ANSI 63.17-1998 6.2.2 UCPS

EUT	KIRK UPCS (DECT based) Handset (PP)
Model	PP5I80 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	0,000001 Hz
Mean	99,999691 Hz
Deviation	0,000003
Stability in ppm	0,104383 ppm
Test result	Verdict = PASS

Histogram



Measurement results

Appendix T

Frequency stability

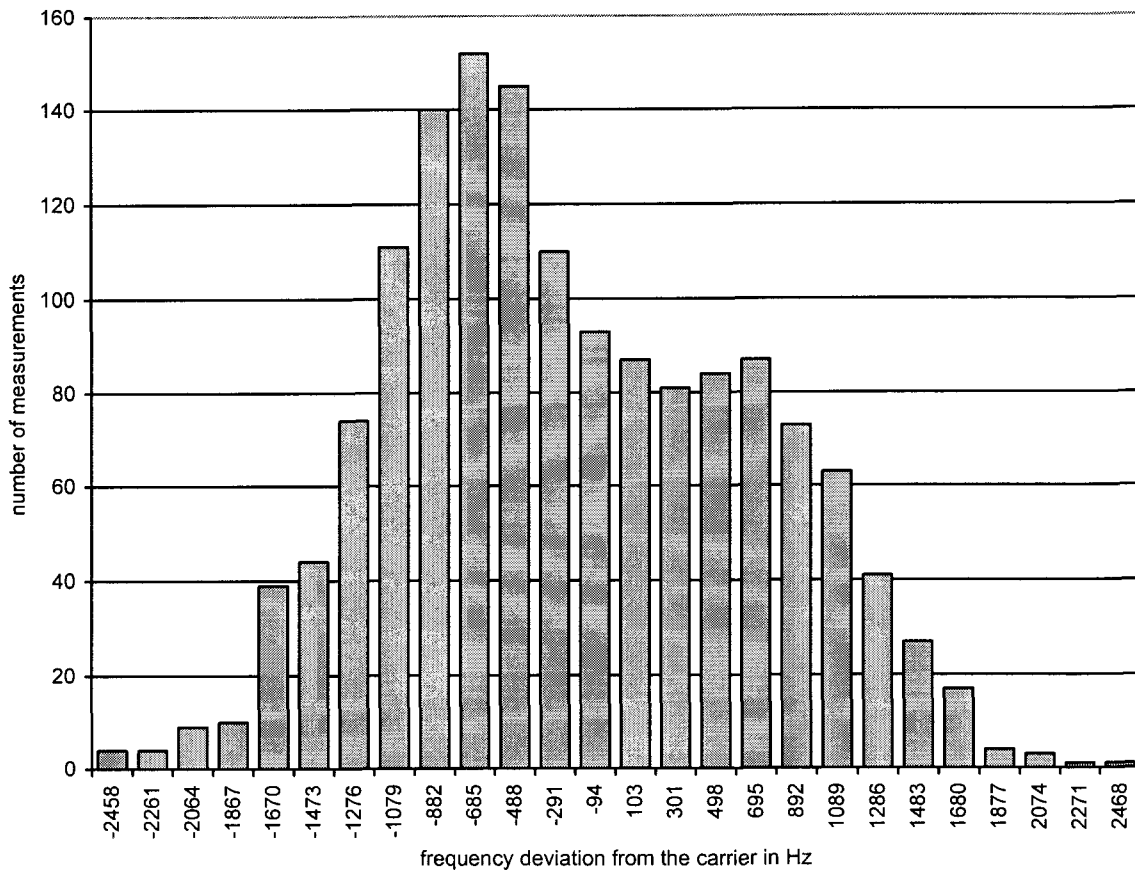
FCC Part 15.323(f) Frequency Stability

Testprocedure ANSI 63.17-1998 6.2.1

EUT	KIRK UPCS (DECT based) Handset (PP)
Model	PP5I80 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	1924,974126 MHz
Measured mean	1924,974126 MHz
Stability (supply temp)	0,0 ppm (reference)
Result	Verdict = PASS
Stability over time	fmax : 1,40 ppm fmin : 1,16 ppm
Result	Verdict = PASS

Histogram



Measurement results

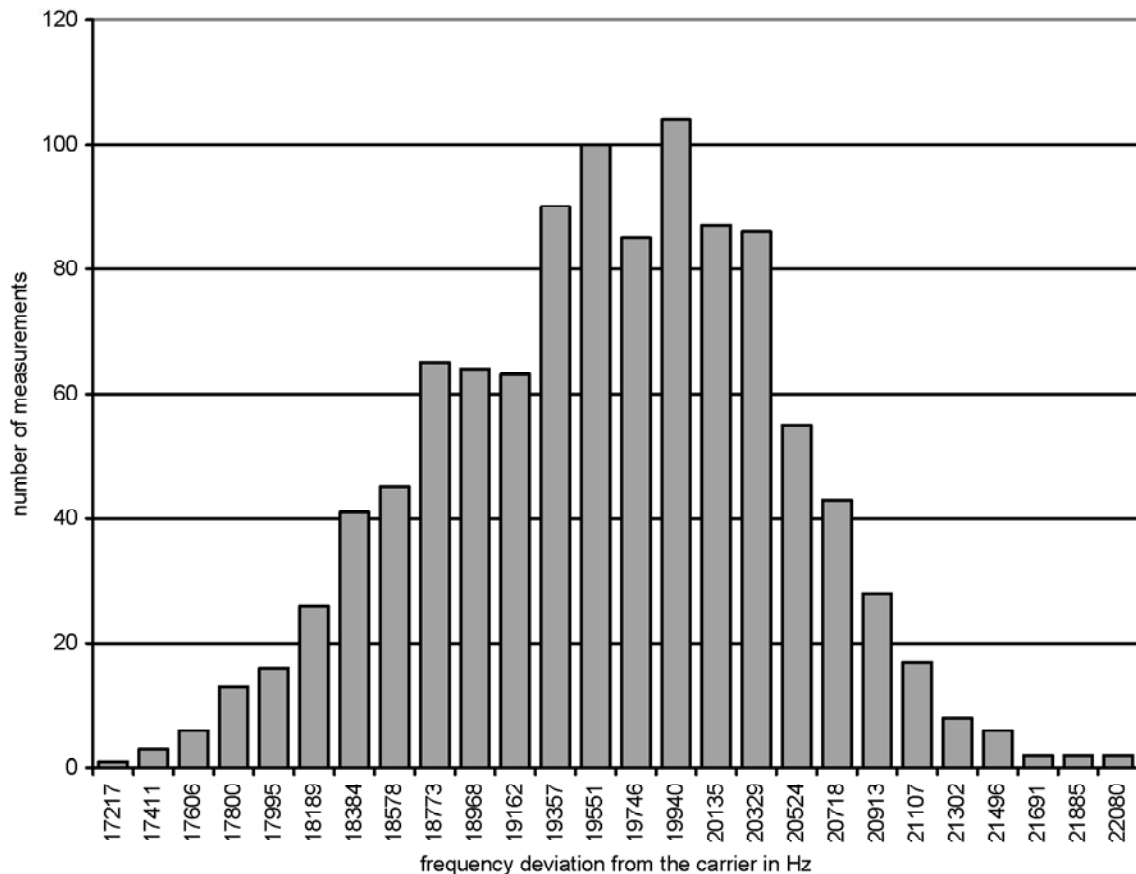
FCC Part 15.323(f) Frequency Stability

Testprocedure ANSI 63.17-1998 6.2.1

EUT	KIRK UPCS (DECT based) Handset (PP)
Model	PP5I80 1G9
Applicant	KIRK telecom A/S
Temperature	55 °C / V _{nom}
Test Site / Operator	ETS Reichenwalde
Test Specification	6.2.1 Frequency stability

Power supply	V _{nom}
Frequency of carrier	1924,974126 MHz
Measured mean	1924,993731 MHz
Stability (supply temp)	-9,18 ppm
Result	Verdict = PASS
Stability over time	f _{max} : 1,29 ppm f _{min} : 1,24 ppm
Result	Verdict = PASS

Histogram



Measurement results

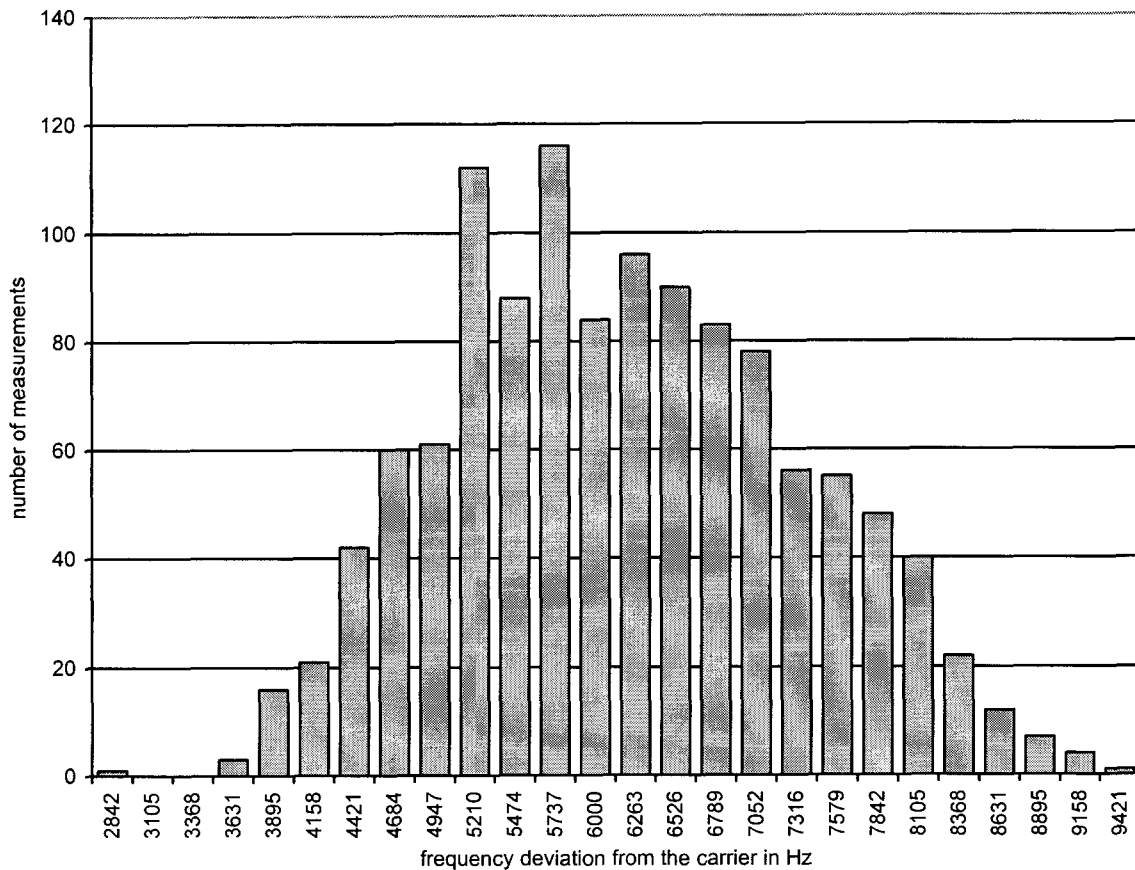
FCC Part 15.323(f) Frequency Stability

Testprocedure ANSI 63.17-1998 6.2.1

EUT	KIRK UPCS (DECT based) Handset (PP)
Model	PP5I80 1G9
Applicant	KIRK telecom A/S
Temperature	-10 °C / Vnom
Test Site / Operator	ETS Reichenwalde
Test Specification	6.2.1 Frequency stability

Power supply	Vnom
Frequency of carrier	1924,974126 MHz
Measured mean	1924,988047 MHz
Stability (supply temp)	-3,21 ppm
Result	Verdict = PASS
Stability over time	fmax : 1,69 ppm fmin : 1,73 ppm
Result	Verdict = PASS

Histogram



Measurement results

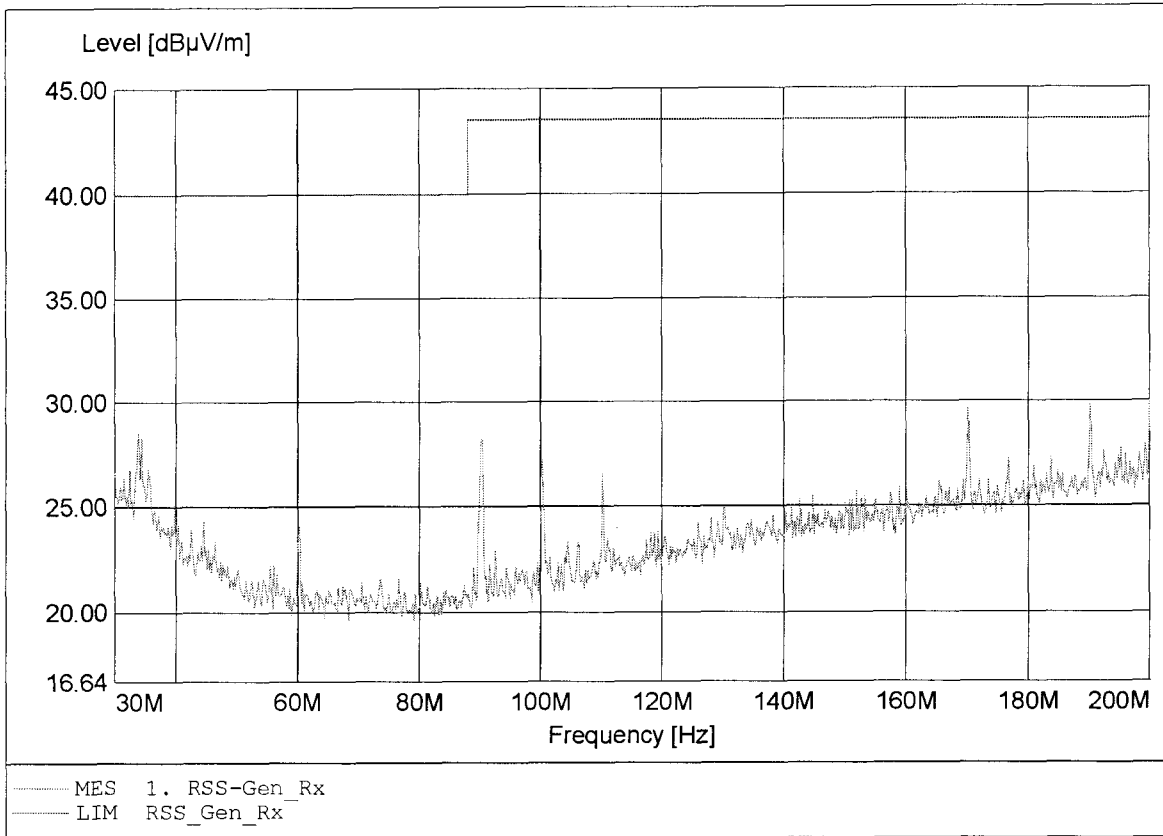
Appendix U

Receiver spurious emissions

Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

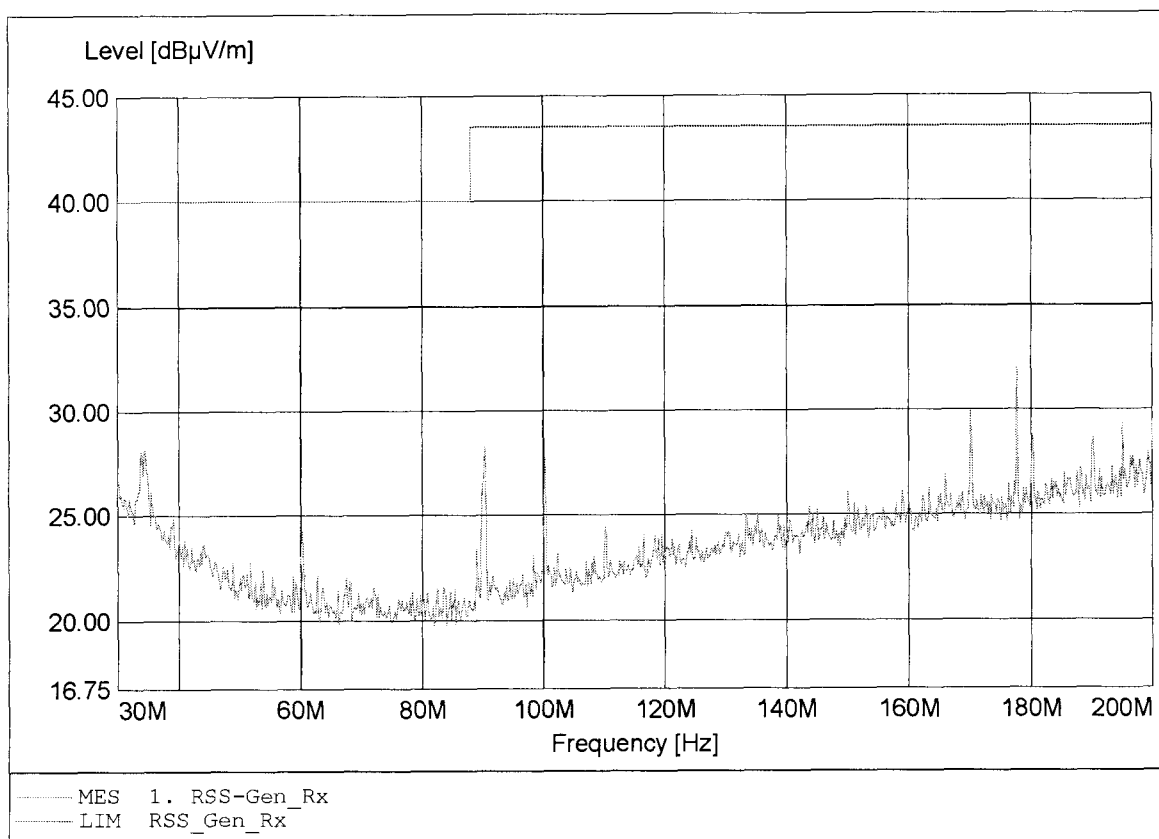
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model: PP5I80 1G9
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: according to RSS-Gen
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq:200.000MHz Emax:30.04dBµV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

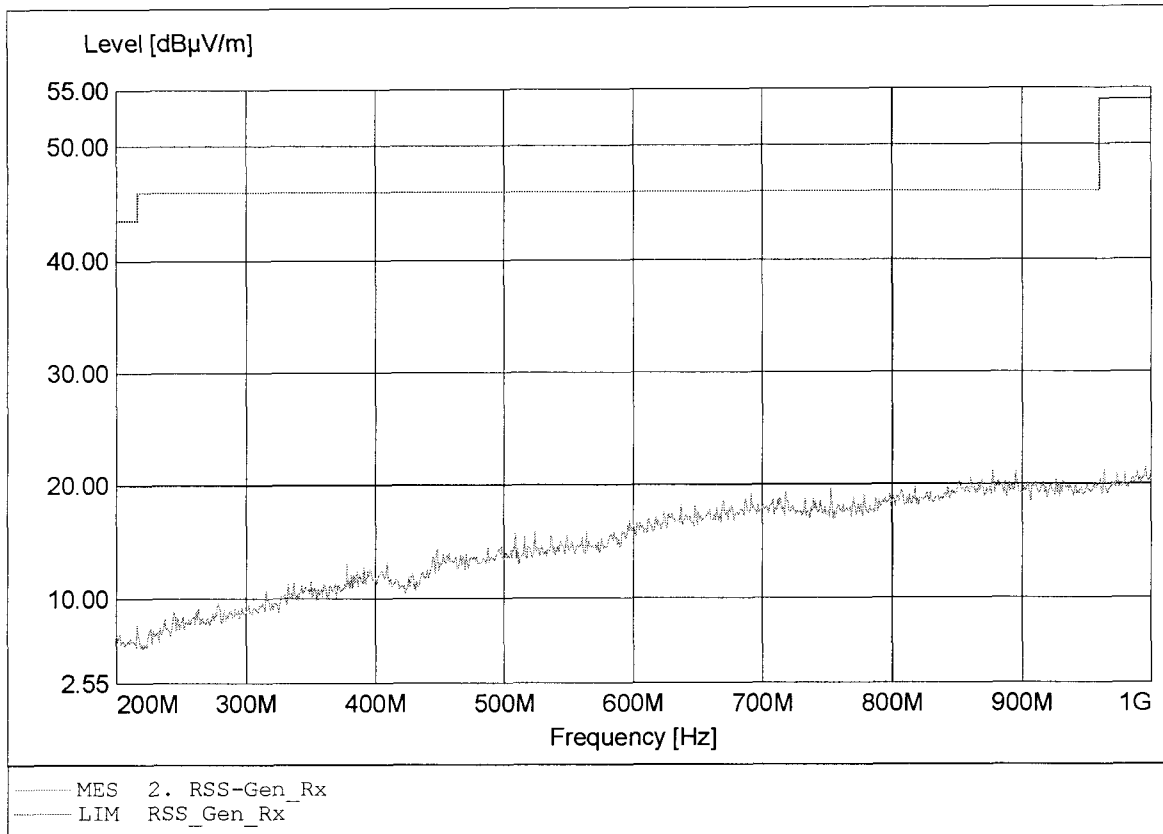
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model: PP5I80 1G9
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: according to RSS-Gen
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq:177.711MHz Emax:32.00dBµV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

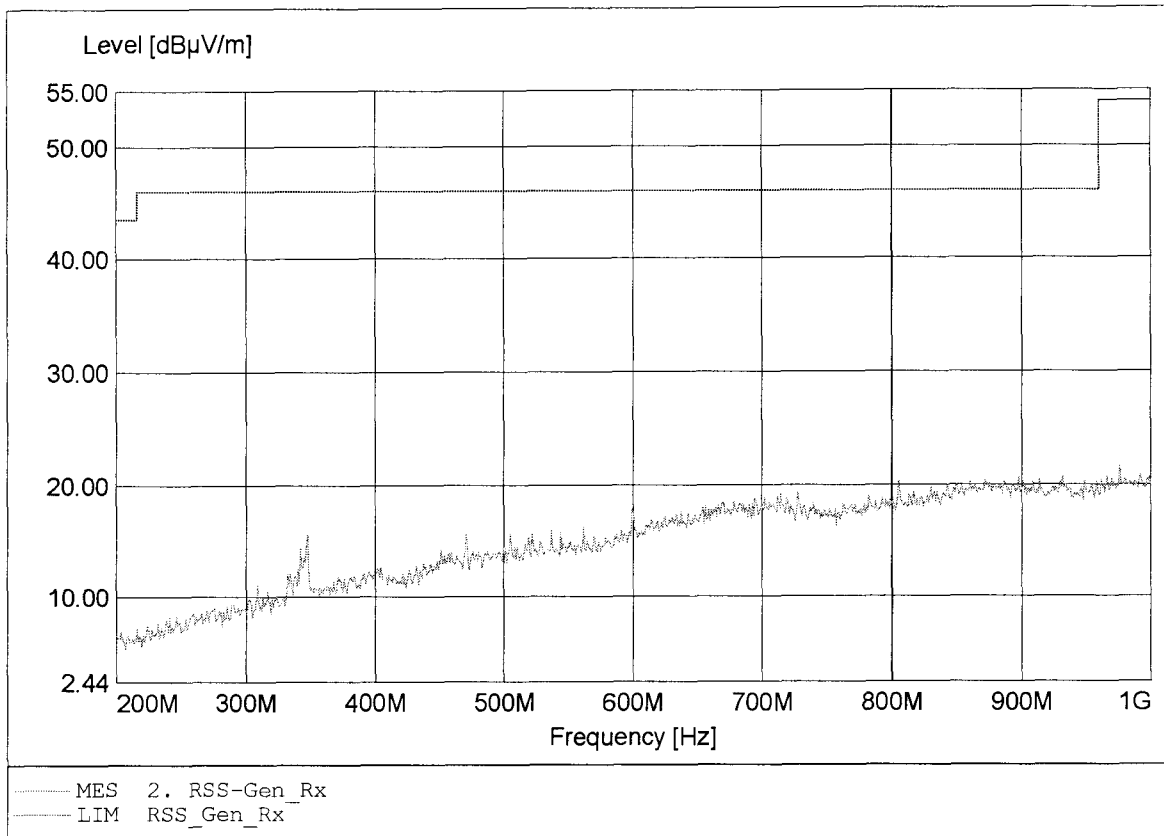
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model: PP5I80 1G9
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: according to RSS-Gen
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:995.556MHz Emax:21.45dBµV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

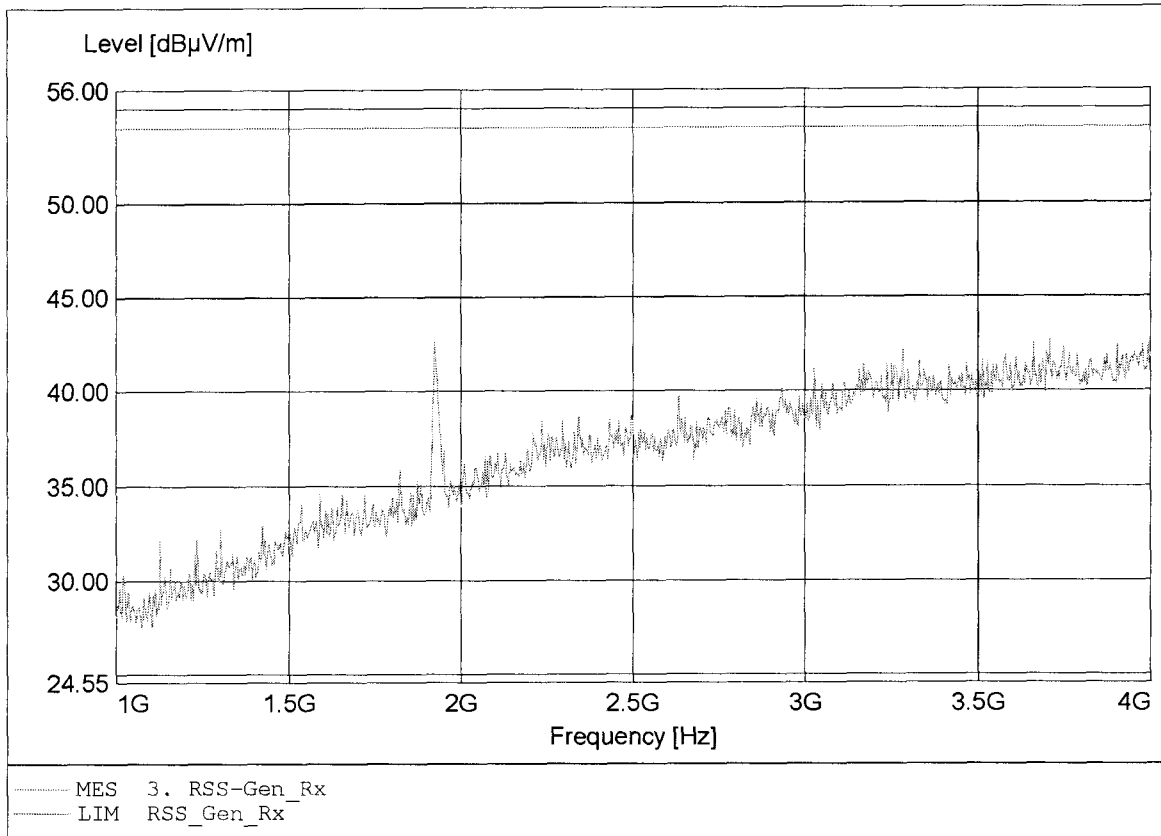
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model: PP5I80 1G9
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: according to RSS-Gen
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:976.000MHz Emax:21.74dBμV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

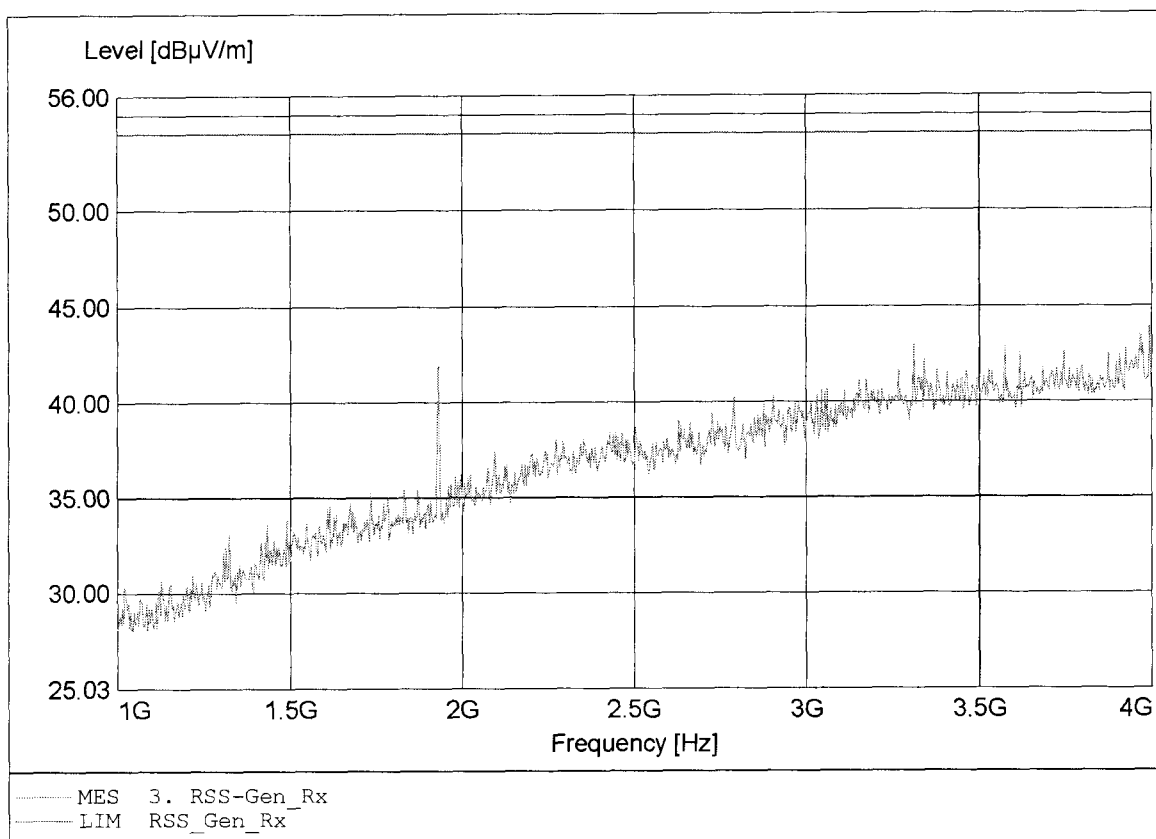
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model: PP5I80 1G9
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: according to S15109, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:3.707GHz Emax:42.66dB μ V/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

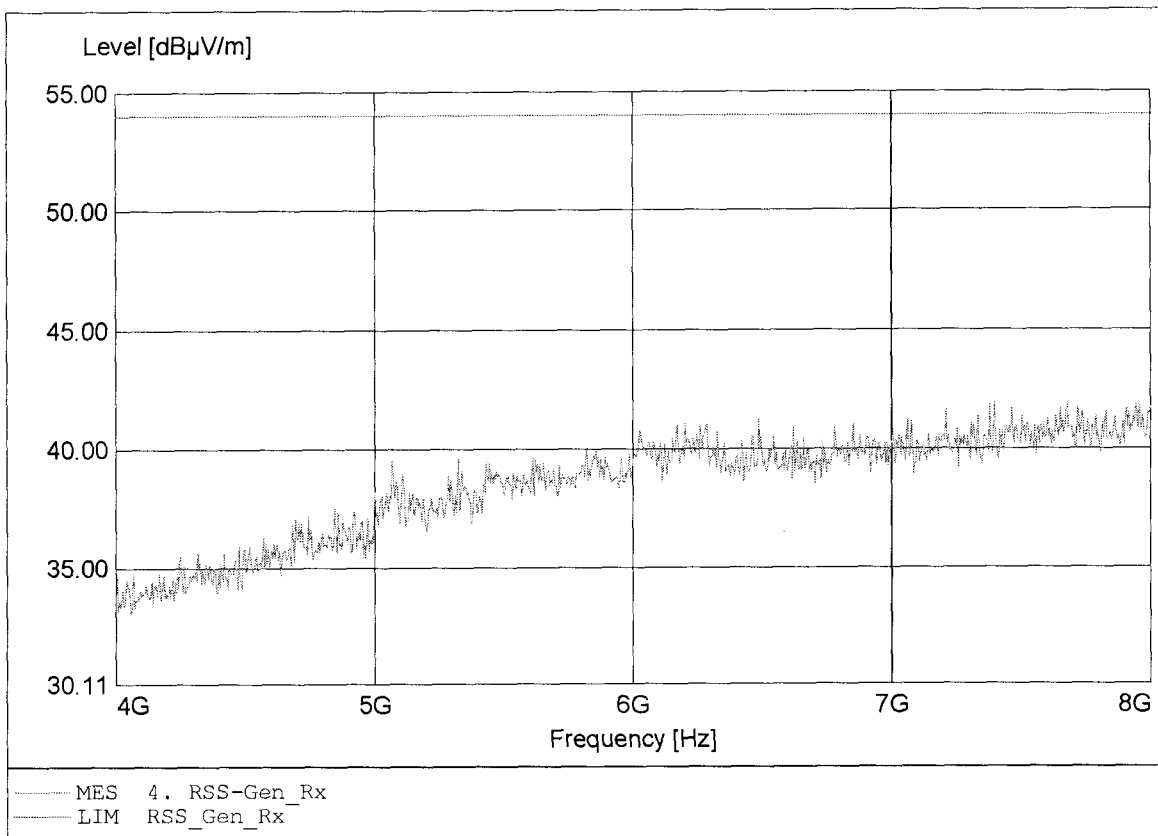
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model: PP5I80 1G9
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: according to S15109, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:3.993GHz Emax:43.90dB μ V/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

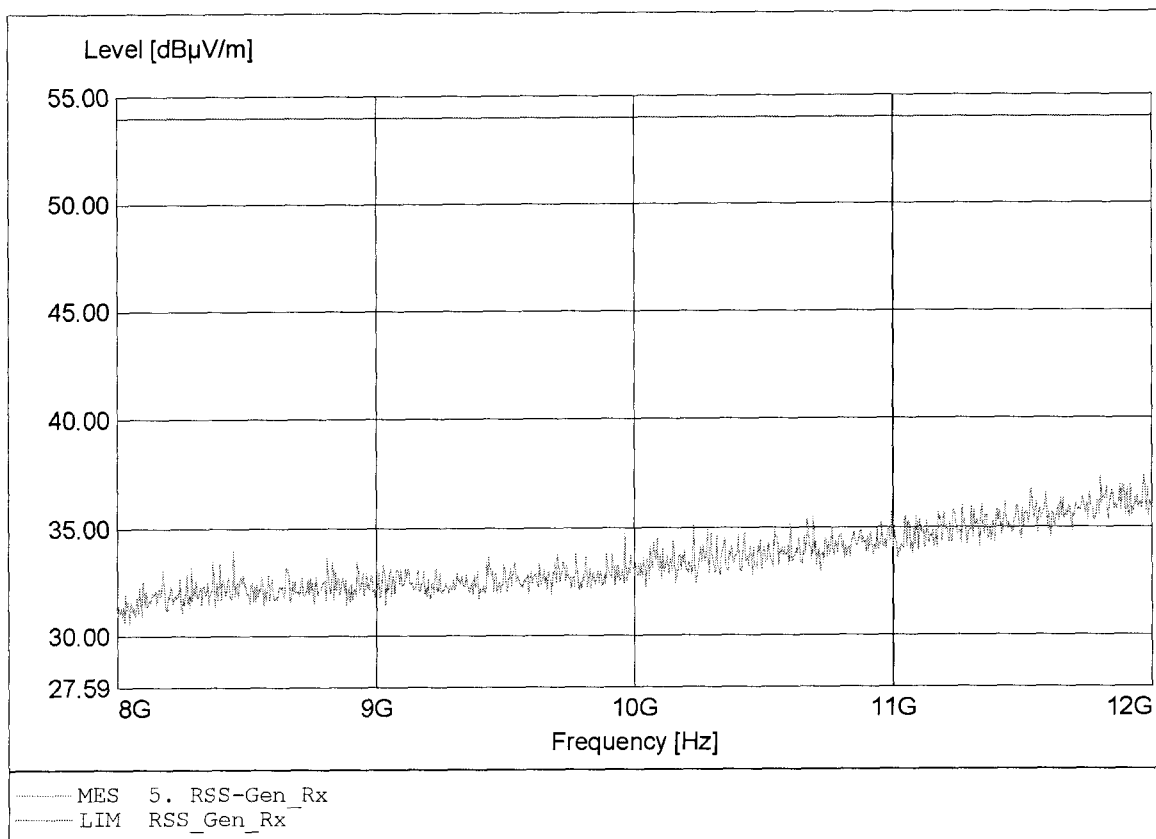
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model: PP5I80 1G9
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: according to S15109, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:7.396GHz Emax:41.92dB μ V/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

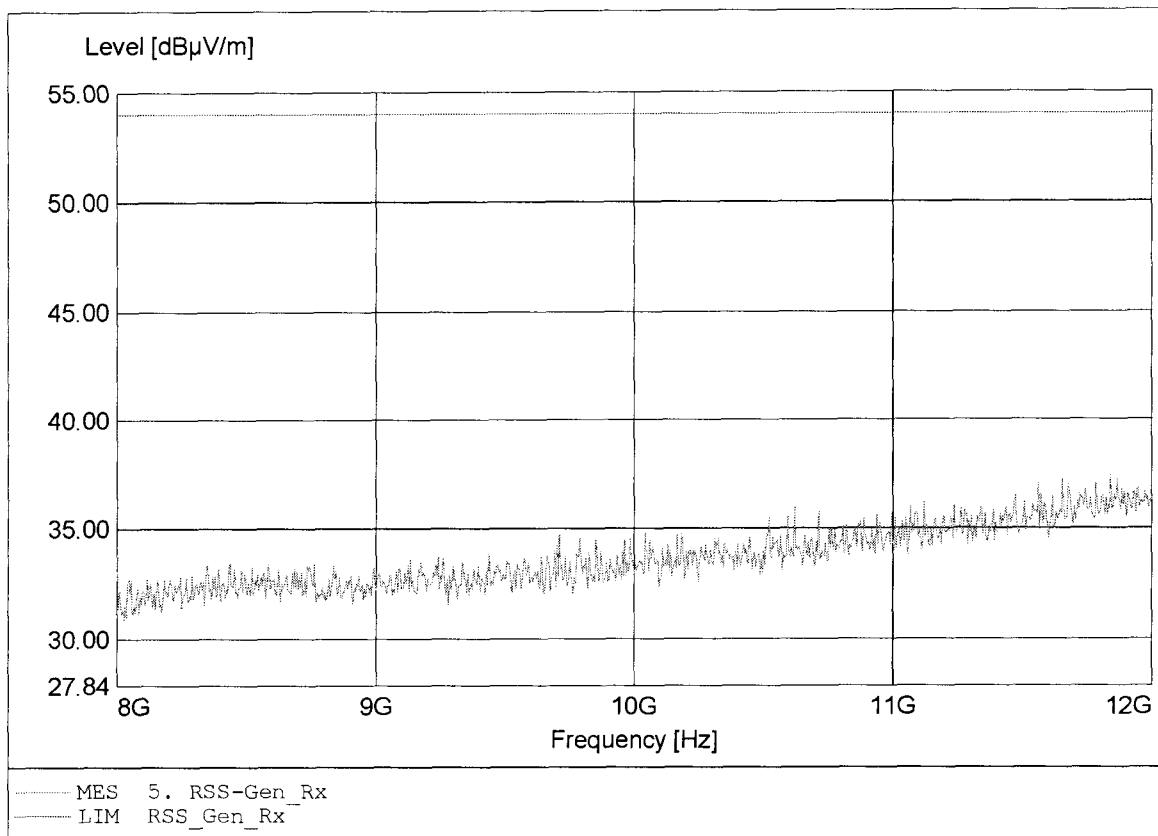
Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model: PP5I80 1G9
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: according to S15109, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:11.969GHz Emax:37.40dBμV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model: PP5I80 1G9
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: according to S15109, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:11.840GHz Emax:37.39dB μ V/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

Approval Holder: KIRK TELECOM A/S
EUT: KIRK UPCS (DECT BASED) HANDSET (PP)
Model: PP5I80 1G9
Operator : ETS / Mr. Schlaps
Test Conditions: 25°C / Unom.: 3.60 V DC (BATTERY)
Test Specification: according to S15109, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:7.476GHz Emax:42.66dBμV/m RBW: 1 MHz

