



## Appendix S

Emissions inside and outside the sub-band



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

#### Test procedure ANSI 63.17-1998 6.1.6.1 UPCS

EUT	KIRK UPCS (DECT based) Handset (PP)
Model	PP3N 1G9
Applicant	KIRK telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.1 In-band unwanted emission
Bandwidth used	1.482MHz

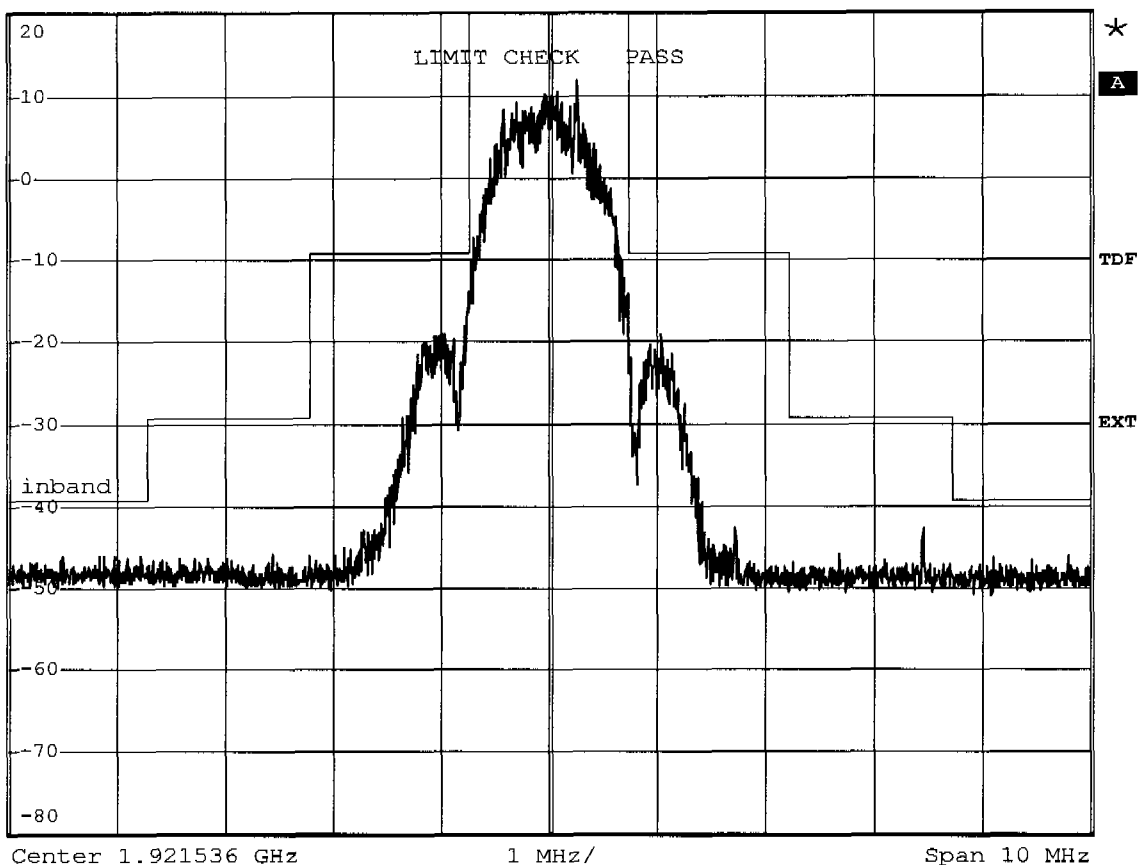


In-band unwanted emis

\* REW 10 kHz  
\* VBW 30 kHz  
\* SWT 23 s

Ref 20 dBm

\*Att 30 dB



Comment: Ansi C63.17-1998 6.1.6.1  
Date: 20.JUL.2005 08:37:44

Measurement diagram

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

Test procedure ANSI 63.17-1998 6.1.6.1  
 UPCS

EUT	KIRK UPCS (DECT based) Handset (PP)
Model	PP3N 1G9
Applicant	KIRK telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.1 In-band unwanted emission
Bandwidth used	1.482MHz



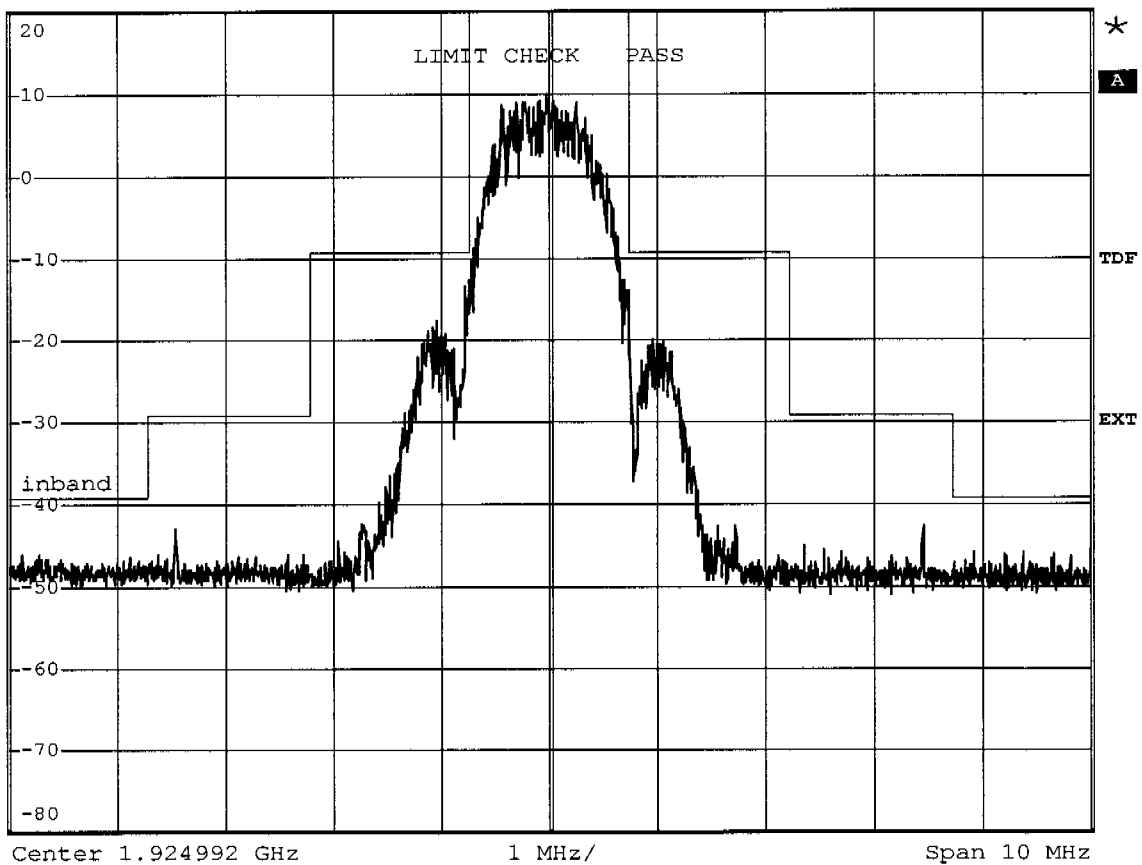
In-band unwanted emis

\* 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: 20.JUL.2005 08:36:58

Measurement diagram

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

#### Test procedure ANSI 63.17-1998 6.1.6.1 UPCS

EUT	KIRK UPCS (DECT based) Handset (PP)
Model	PP3N 1G9
Applicant	KIRK telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.1 In-band unwanted emission
Bandwidth used	1.482MHz



In-band unwanted emis

\*RBW 10 kHz

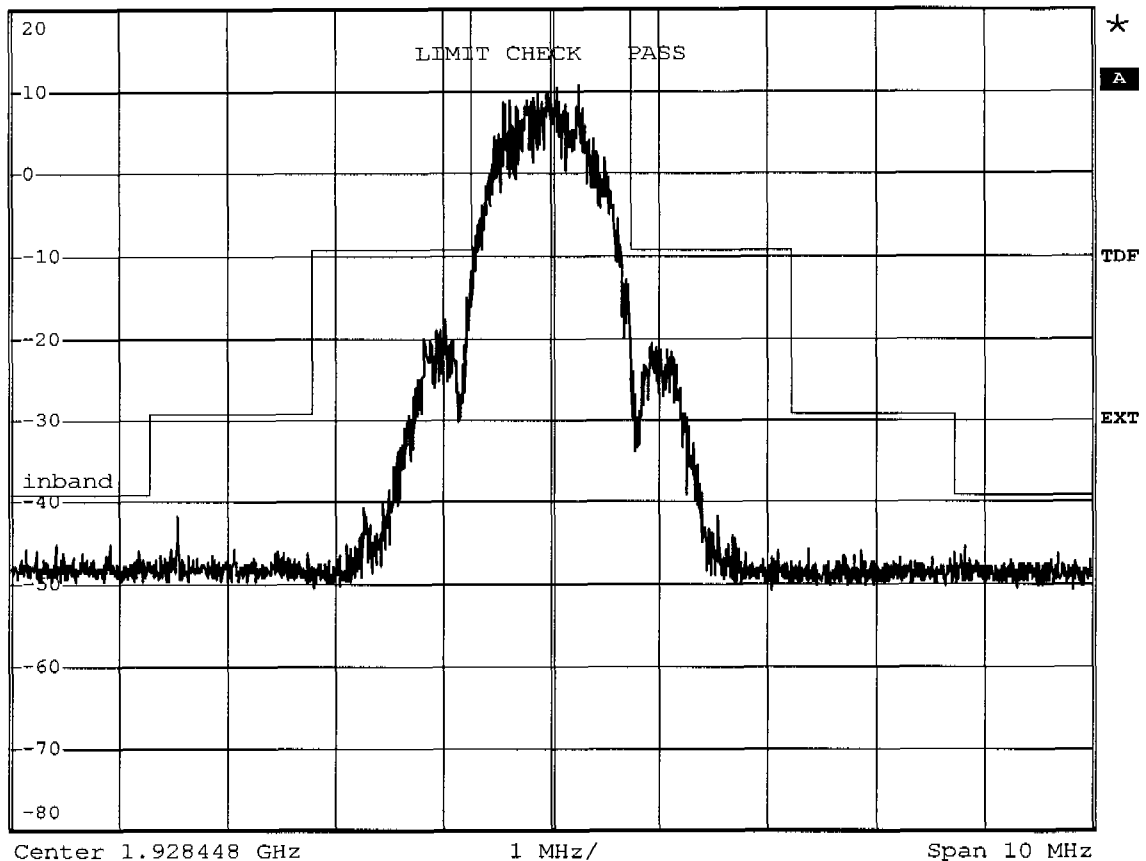
\*VBW 30 kHz

Ref 20 dBm

\*Att 30 dB

\*SWT 23 s

1 PK  
MAXH



Comment: Ansi C63.17-1998 6.1.6.1  
Date: 20.JUL.2005 08:36:14

Measurement diagram

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

#### Test procedure ANSI 63.17-1998 6.1.6.2

#### UPCS

EUT	KIRK UPCS (DECT based) Handset (PP)
Model	PP3N 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

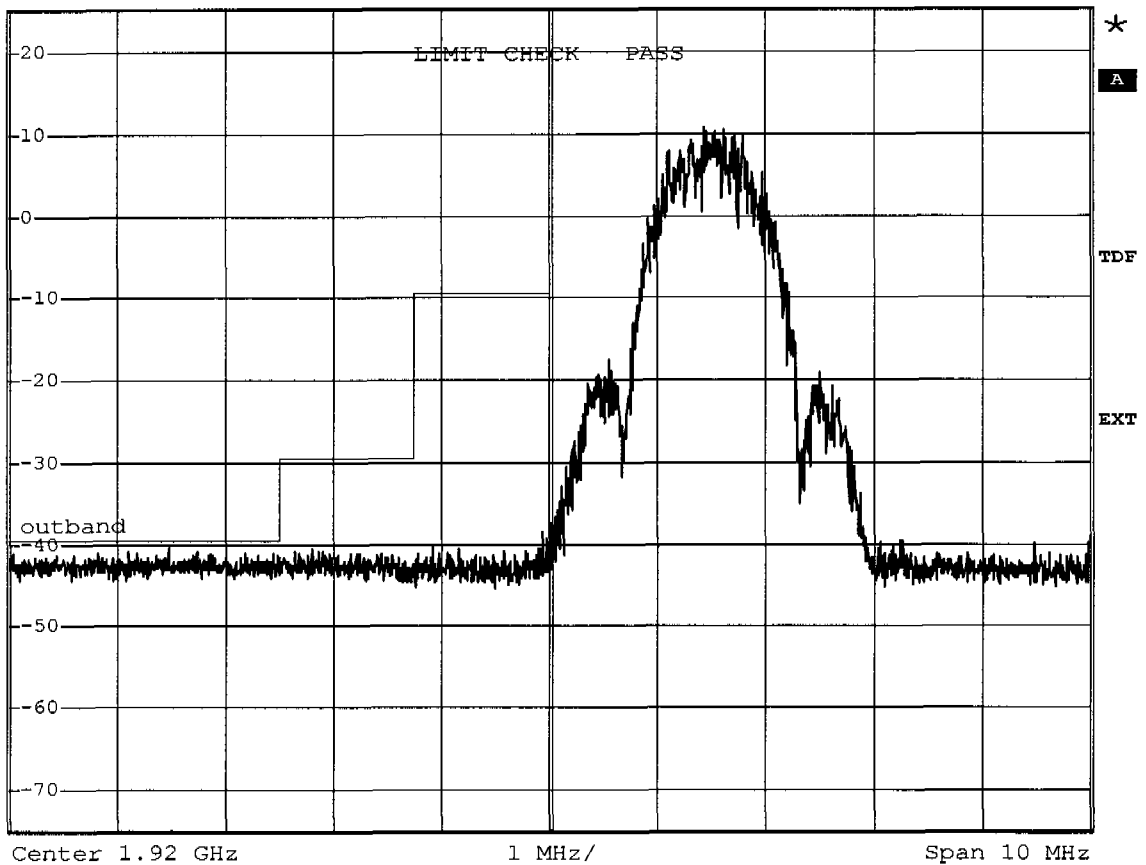
\*VBW 30 kHz

Ref 25 dBm

\*Att 40 dB

\*SWT 23 s

1 PK  
MAXH



Comment: Ansi C63.17-1998 6.1.6.2  
Date: 20.JUL.2005 08:38:53

Measurement diagram

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

Test procedure ANSI 63.17-1998 6.1.6.2  
 UPCS

EUT	KIRK UPCS (DECT based) Handset (PP)
Model	PP3N 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



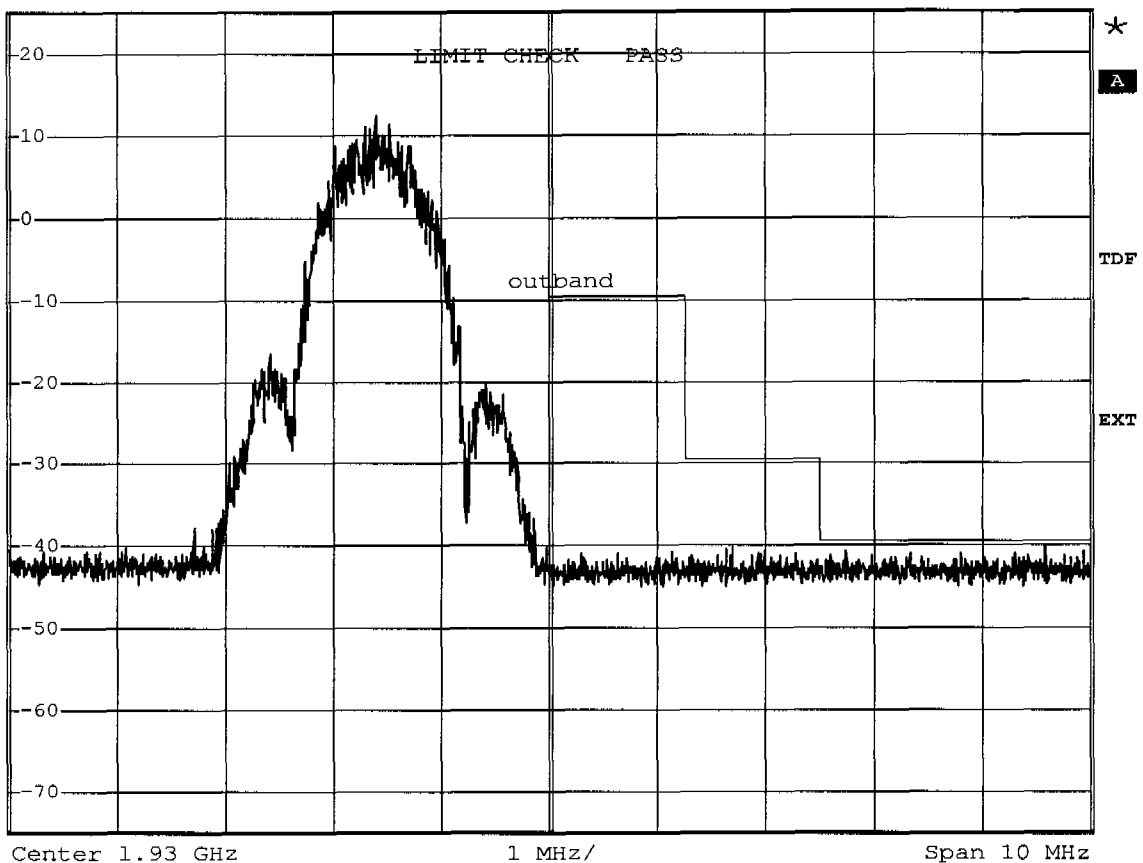
Out-of-band emission

\*REW 10 kHz  
 \*VBW 30 kHz  
 \*SWT 23 s

Ref 25 dBm

\*Att 40 dB

1 PK  
 MAXH



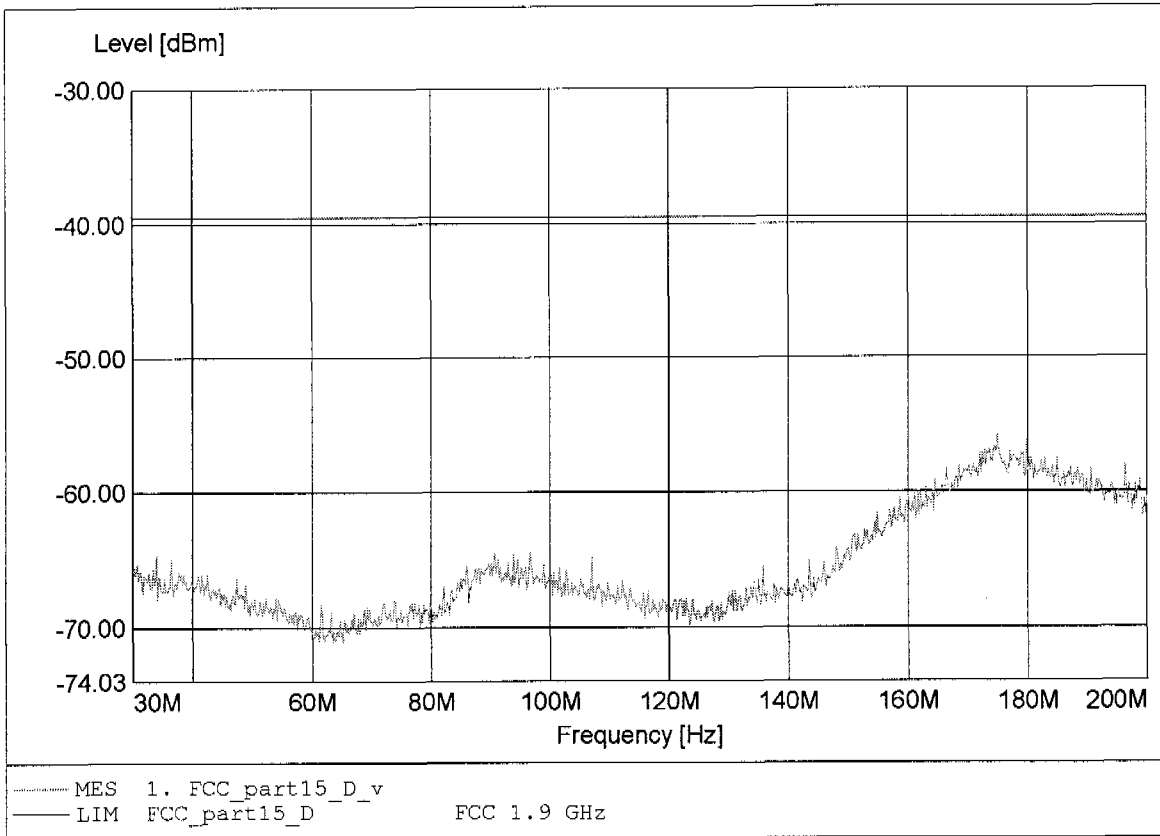
Comment: Ansi C63.17-1998 6.1.6.2  
 Date: 20.JUL.2005 08:39:38

Measurement diagram

**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

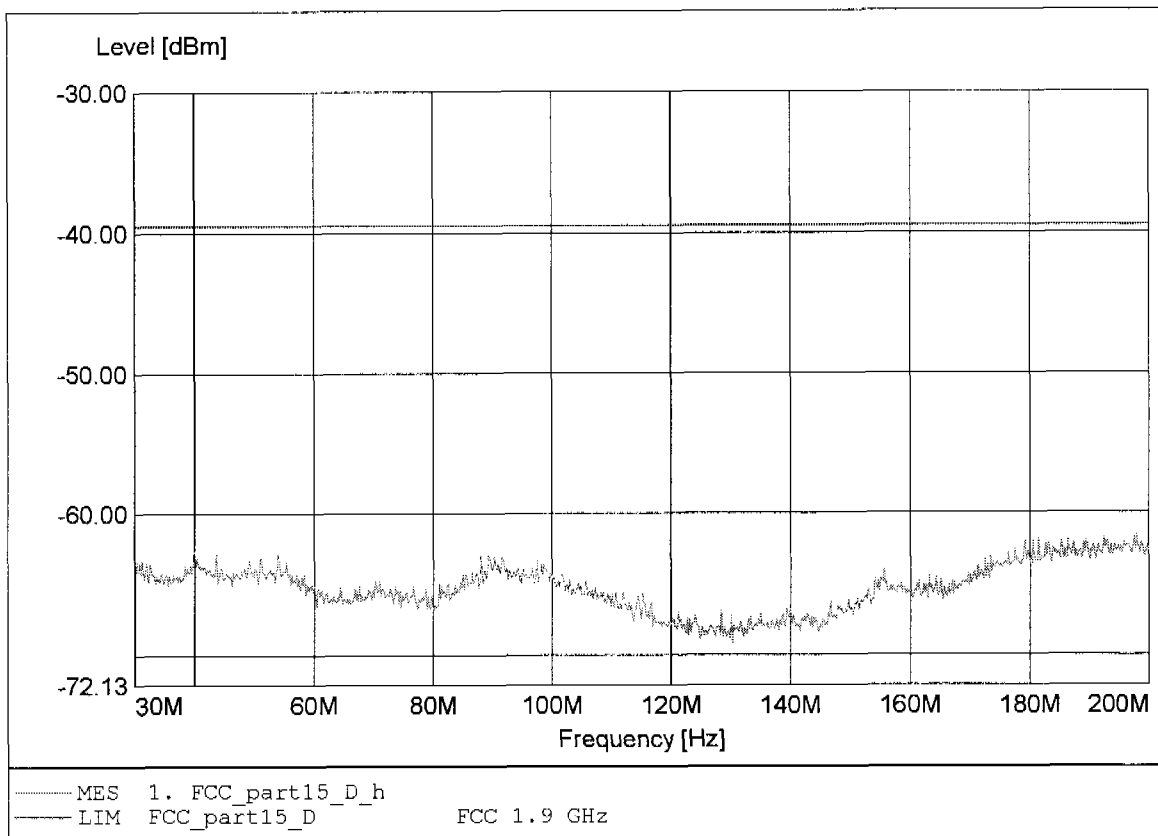
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1921.536 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HK 116,  
Comment 2: Freq:174.878MHz Pmax:-55.85dBm RBW: 100 kHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1921.536 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HK 116,  
Comment 2: Freq:197.922MHz Pmax:-61.61dBm REW: 100 kHz

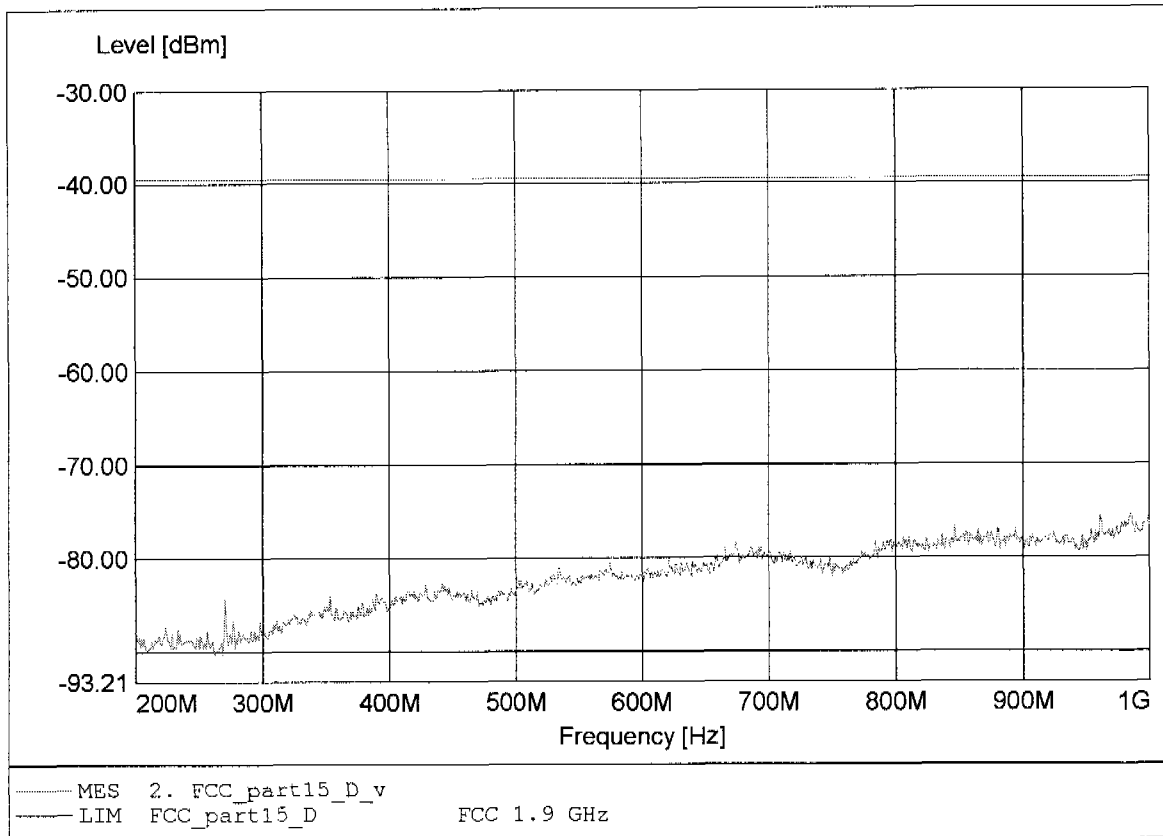




**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

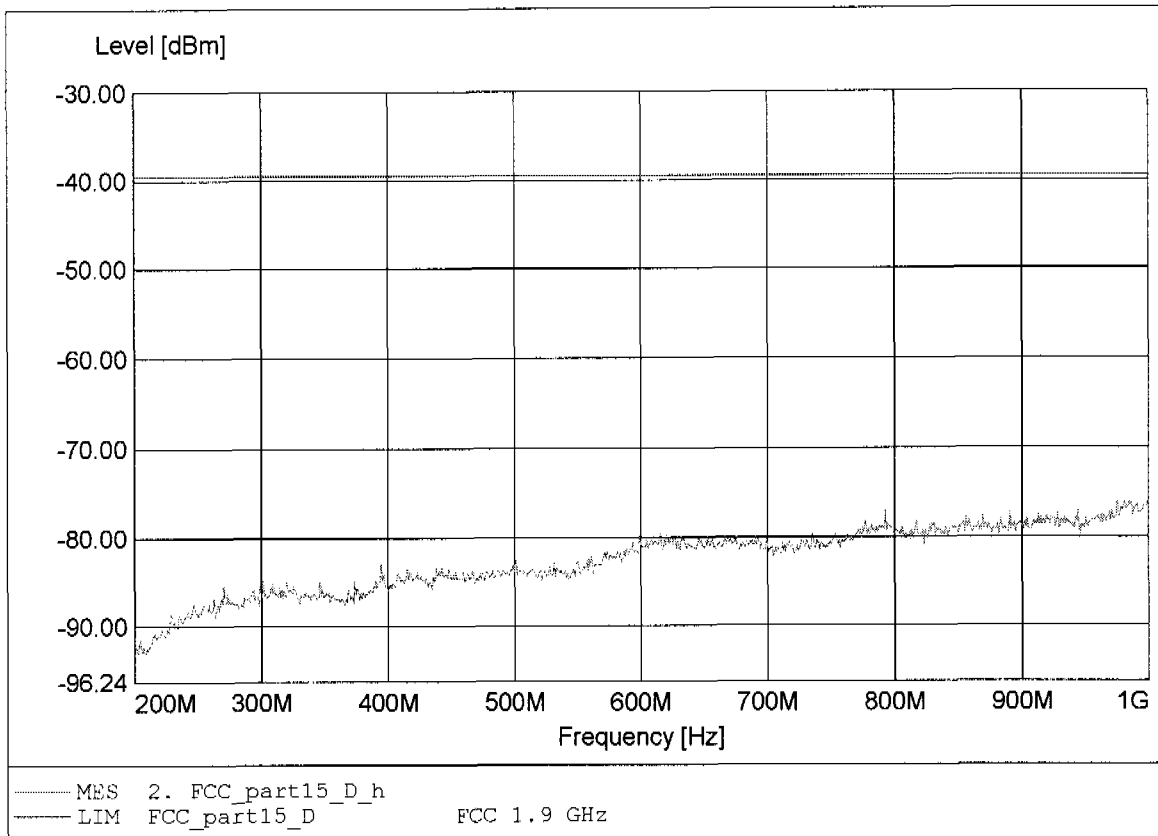
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1921,536 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq:985.778MHz Pmax:-75.36dBm RBW: 100 kHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

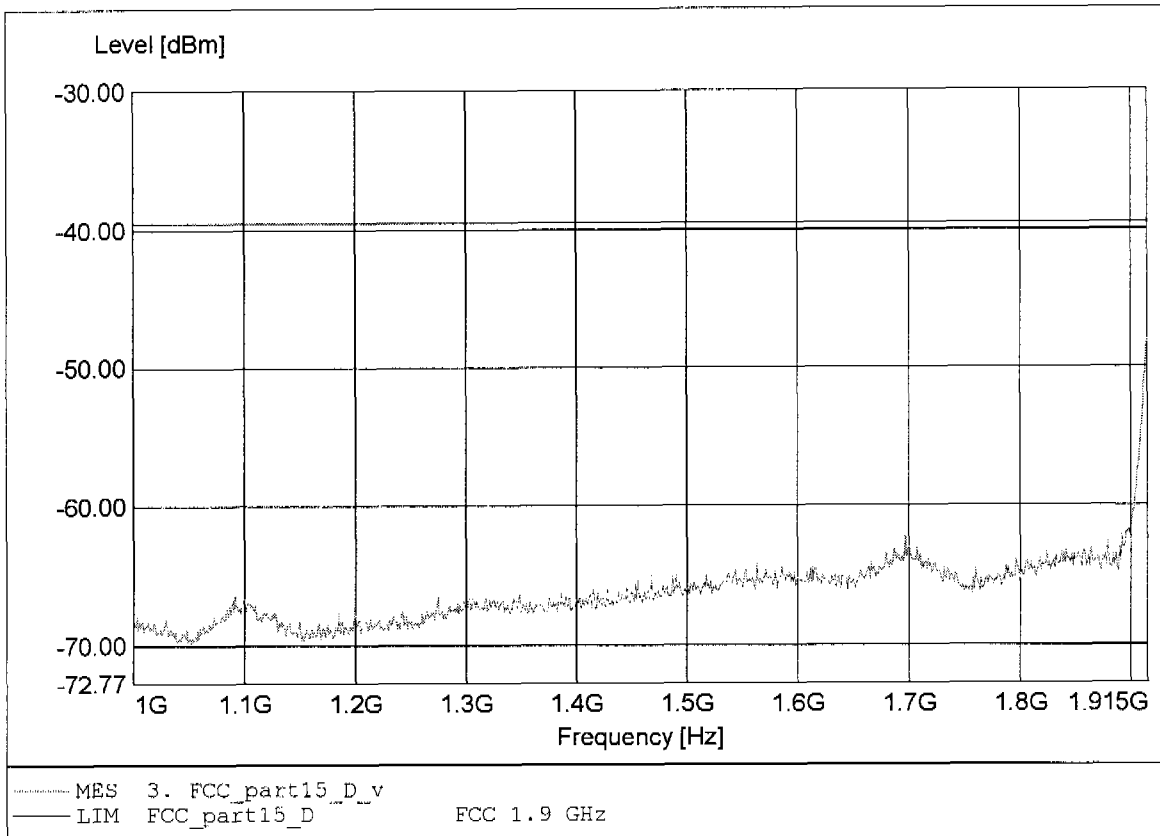
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1921,536 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq: 975.111MHz Pmax: -75.87dBm RBW: 100 kHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

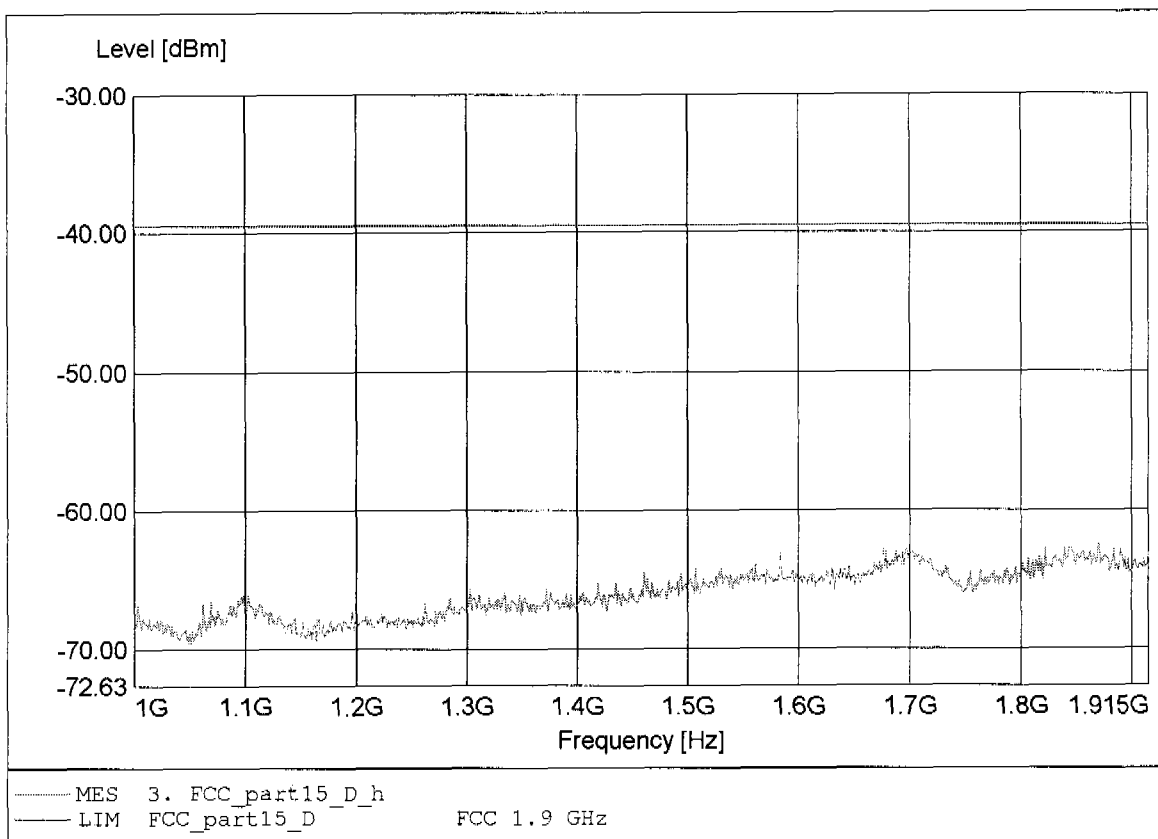
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1921,536 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:1.915GHz Pmax:-47.88dBm RBW: 1 MHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

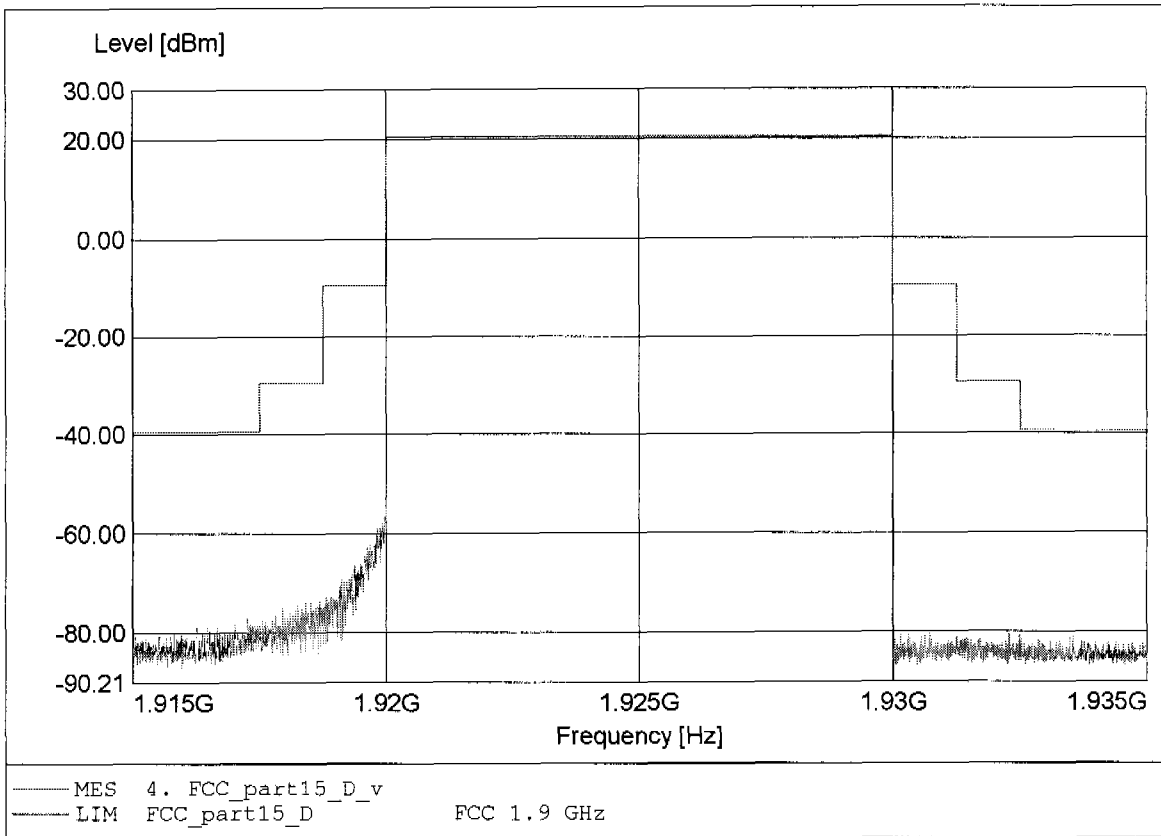
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1921,536 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:1.869GHz Pmax:-62.45dBm RBW: 1 MHz



**Spurious emissions under normal conditions**

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

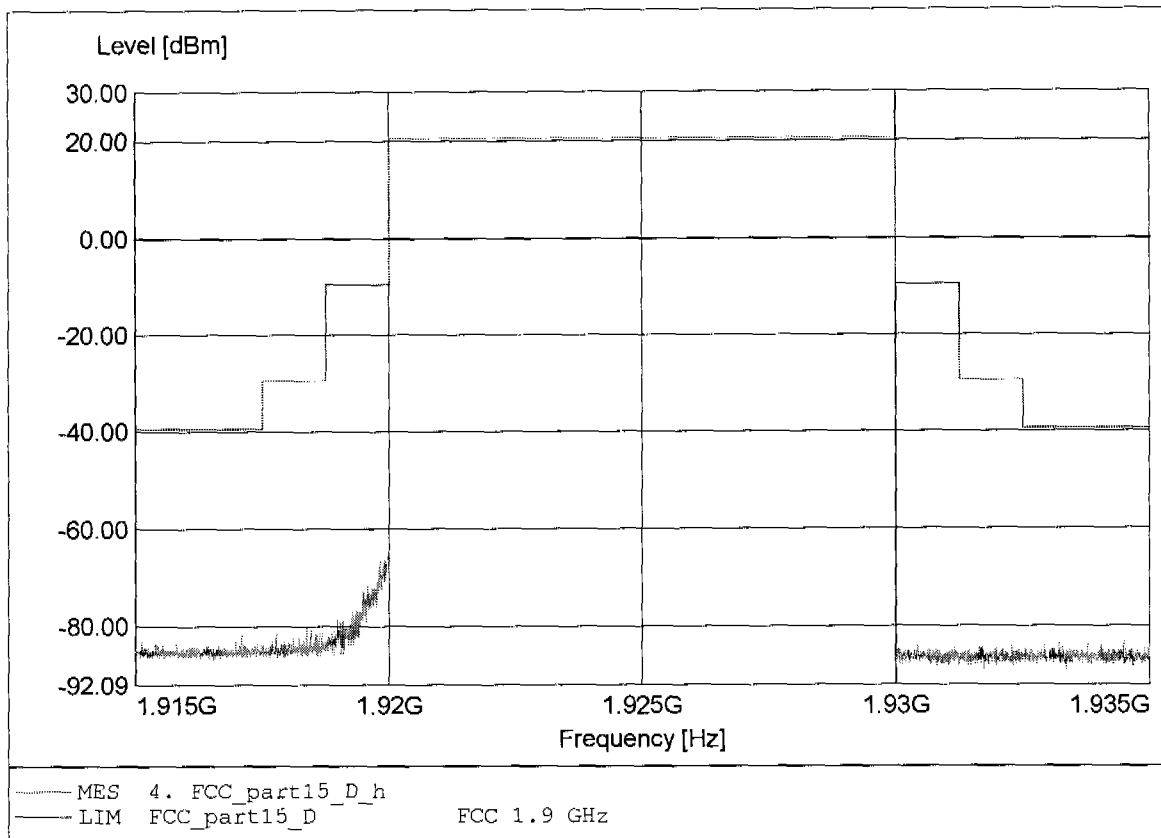
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1921,536 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:1.920GHz Pmax:-54.93dBm RBW:10 kHz



**Spurious emissions under normal conditions**

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

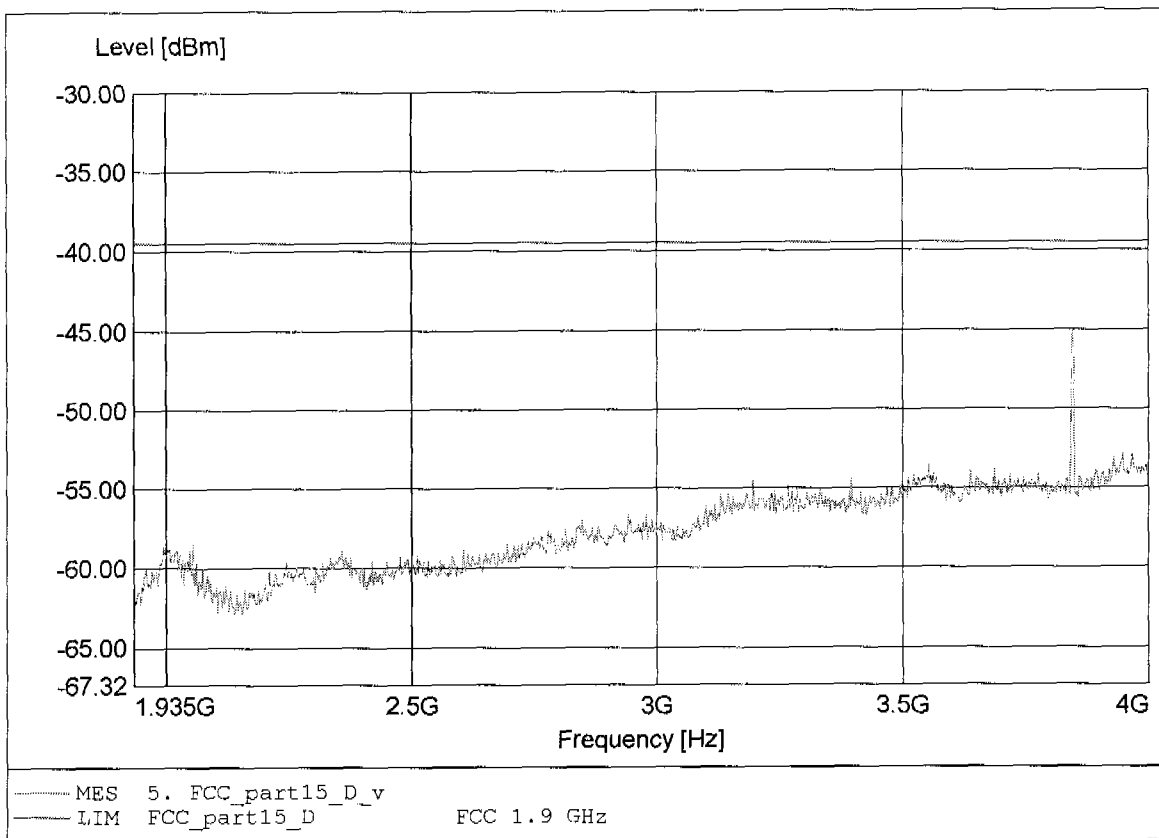
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1921,536 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:1.920GHz Pmax:-64.44dBm RBW:10 kHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

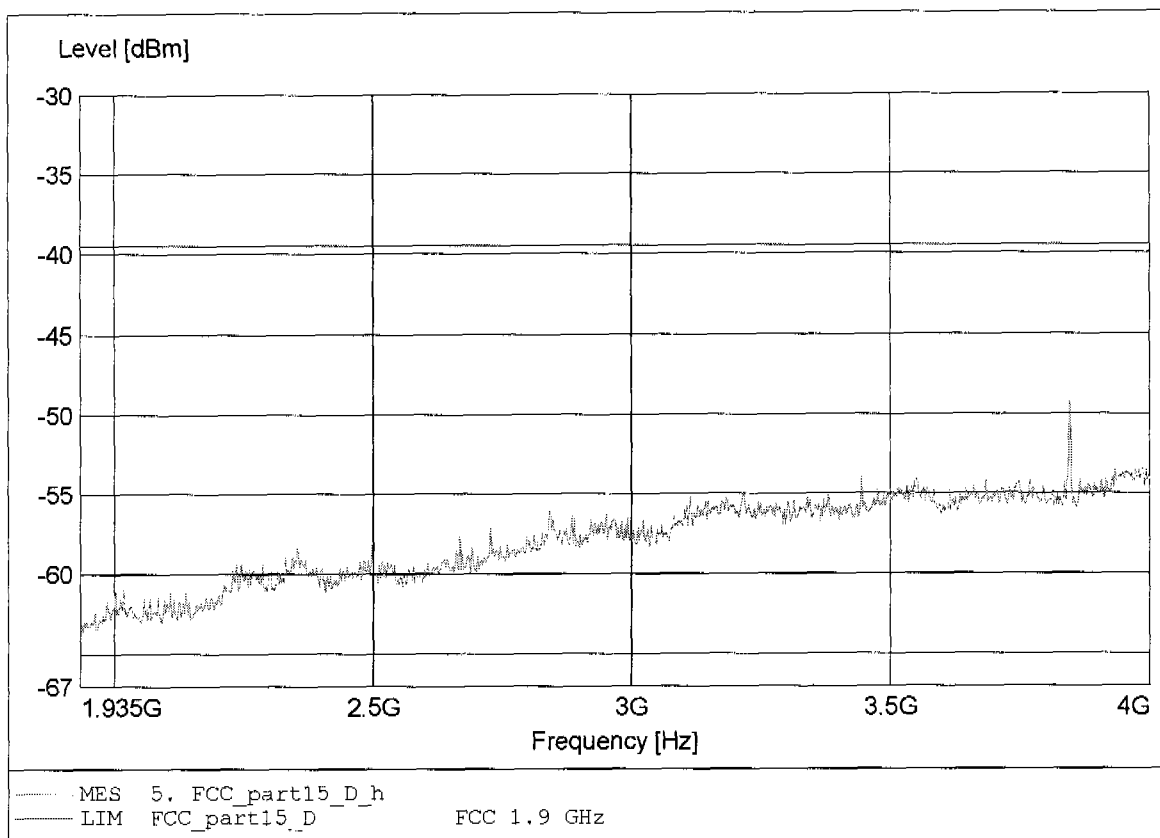
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1921,536 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:3.844GHz Pmax:-44.91dBm RBW: 1 MHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1921,536 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:3.844GHz Pmax:-49.15dBm RBW: 1 MHz

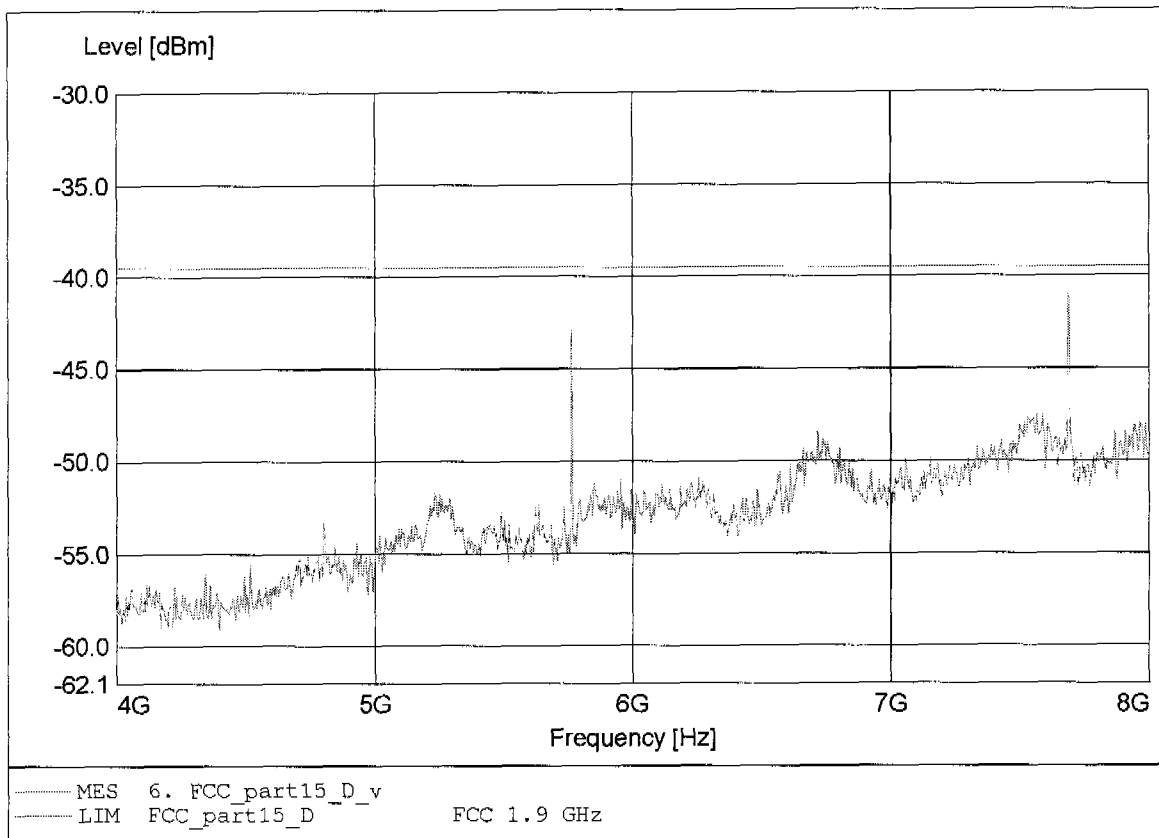




Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

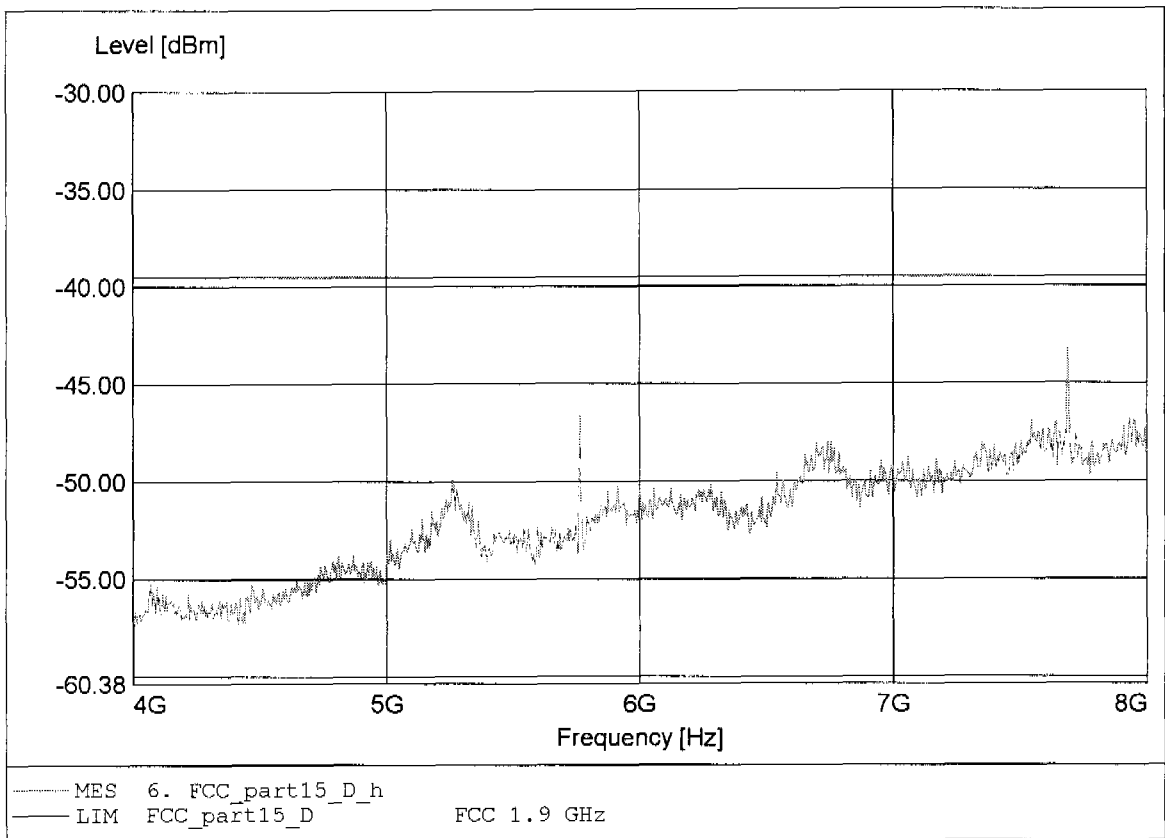
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1921,536 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, HP+ampl.  
Comment 2: Freq:7.689GHz Pmax:-42.11dBm RBW: 1 MHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

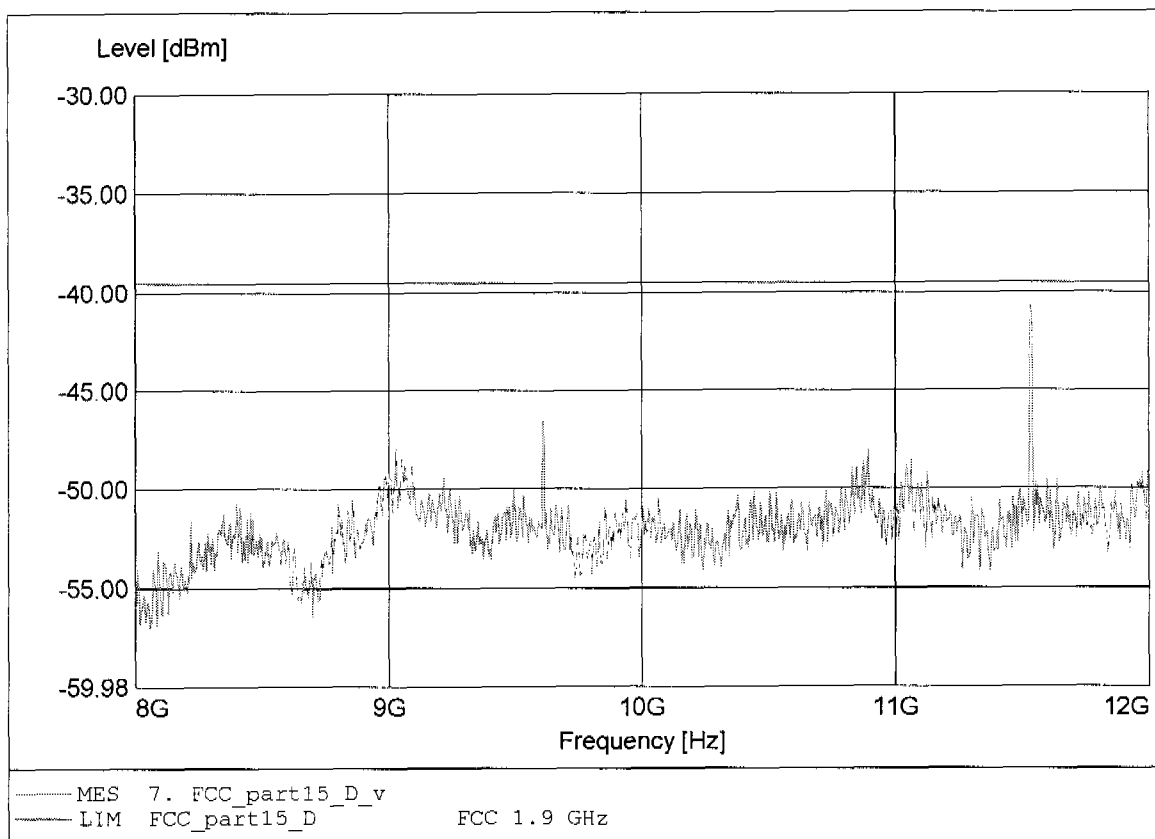
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1921,536 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, HP+ampl.  
Comment 2: Freq:7.684GHz Pmax:-43.26dBm RBW: 1 MHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

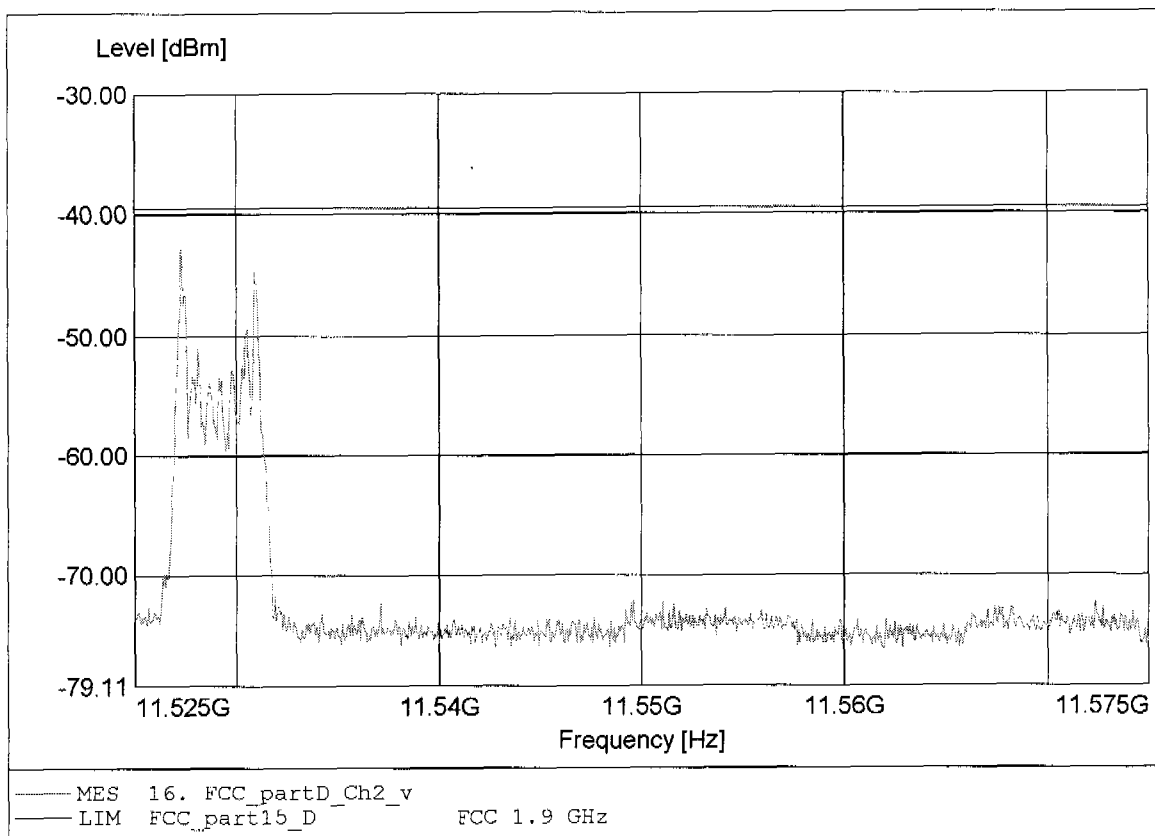
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1921,536 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, HP+ampl.  
Comment 2: Freq:11.533GHz Pmax:-40.89dBm REW: 1 MHz



**Spurious emissions under normal conditions**

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

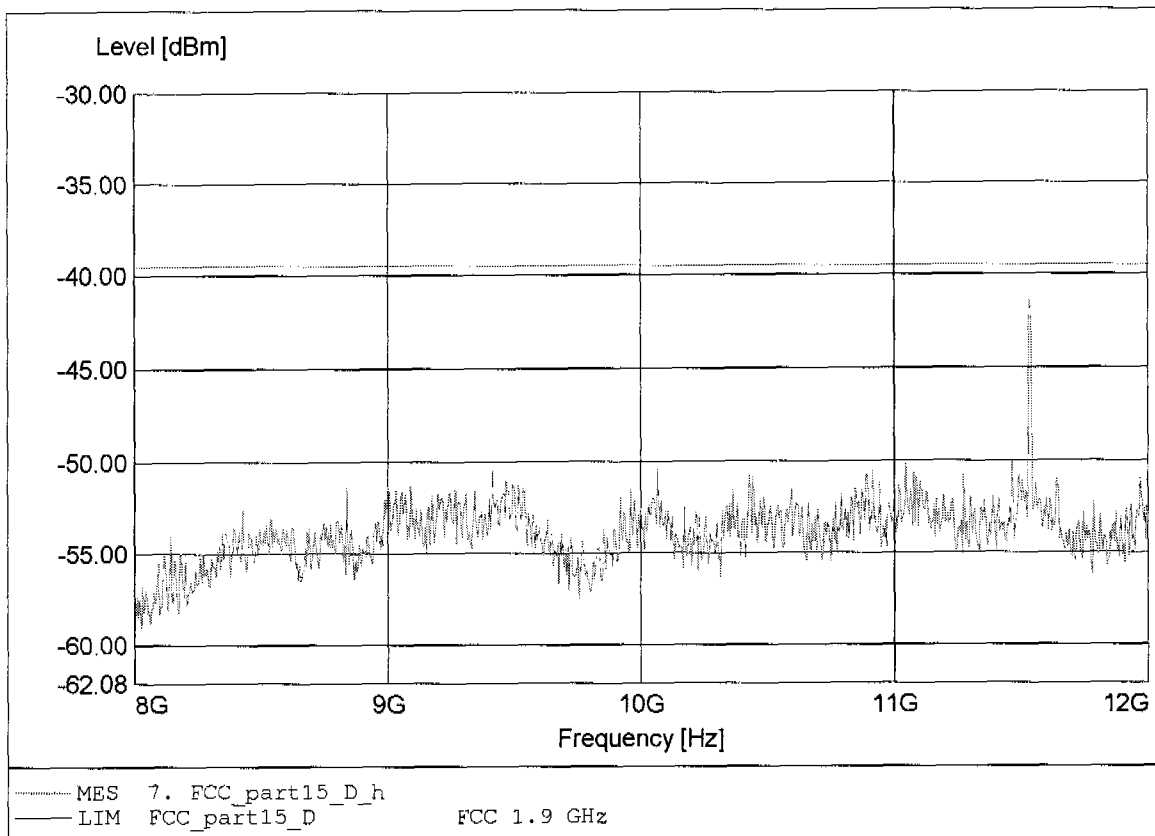
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1921.536 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:11.527GHz Pmax:-42.75dBm RBW:10 kHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

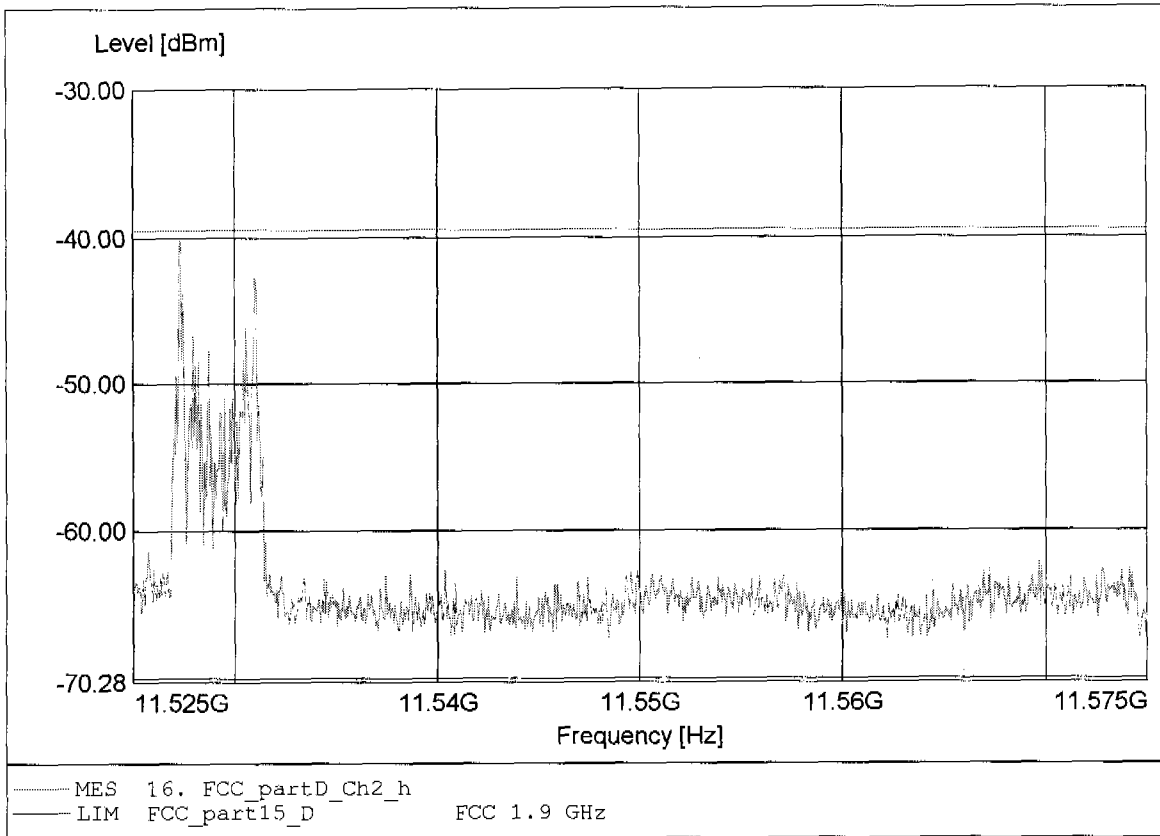
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1921,536 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, HP+ampl.  
Comment 2: Freq:11.529GHz Pmax:-42.25dBm RBW: 1 MHz



**Spurious emissions under normal conditions**

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

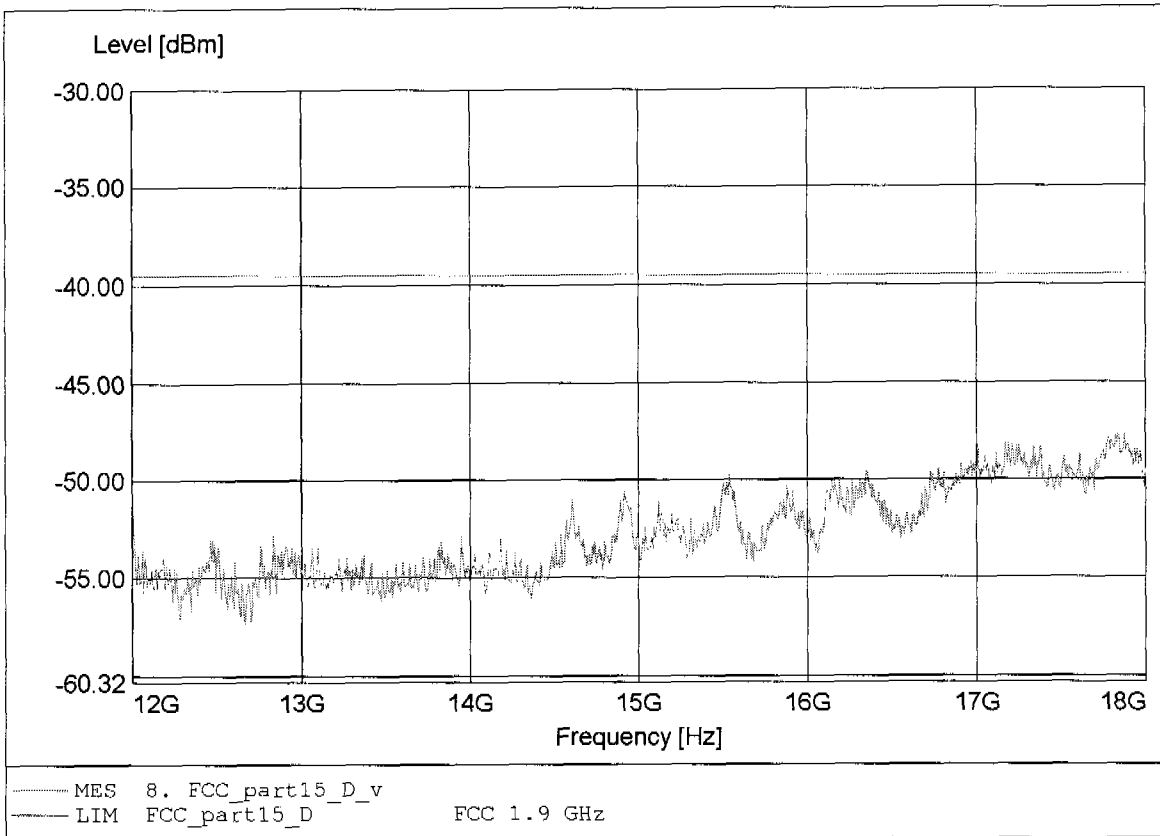
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1921.536 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:11.527GHz Pmax:-40.06dBm RBW:10 kHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

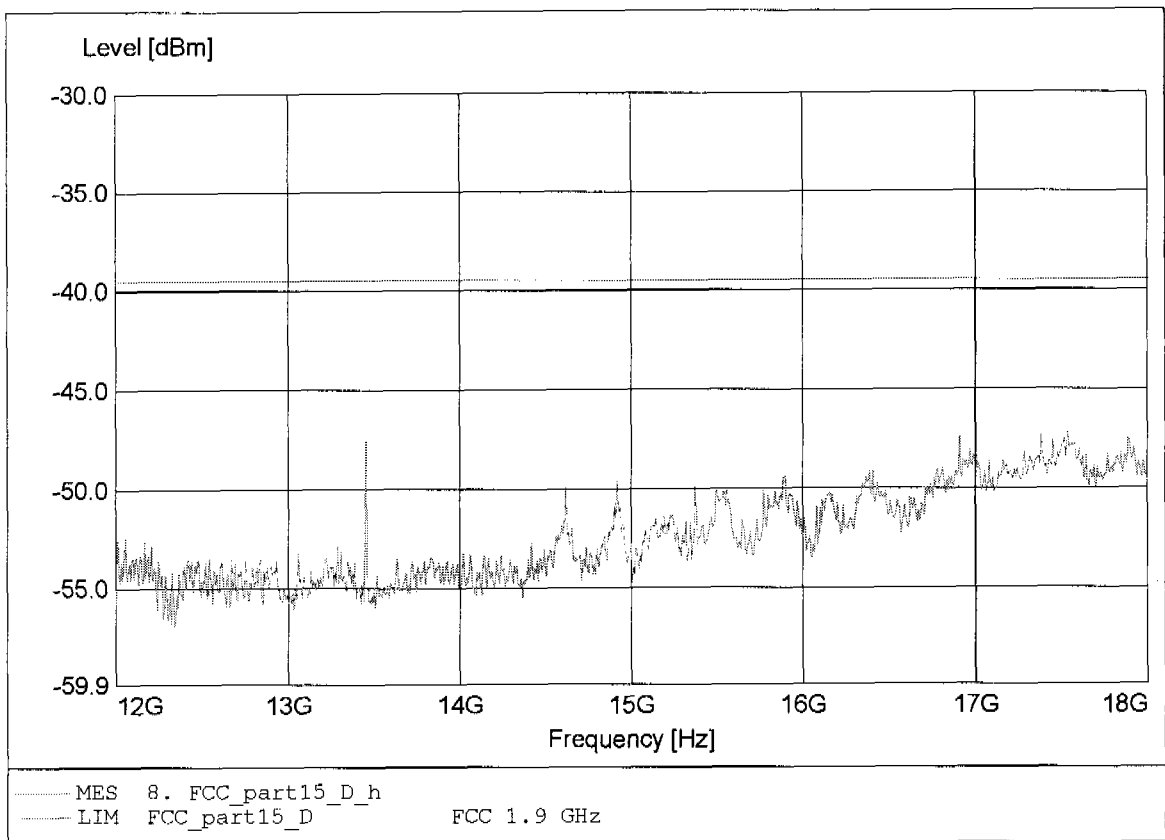
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1921,536 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, HP+ampl.  
Comment 2: Freq:17.833GHz Pmax:-47.70dBm RBW: 1 MHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1921,536 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, HP+ampl.  
Comment 2: Freq:17.533GHz Pmax:-47.13dBm REW: 1 MHz

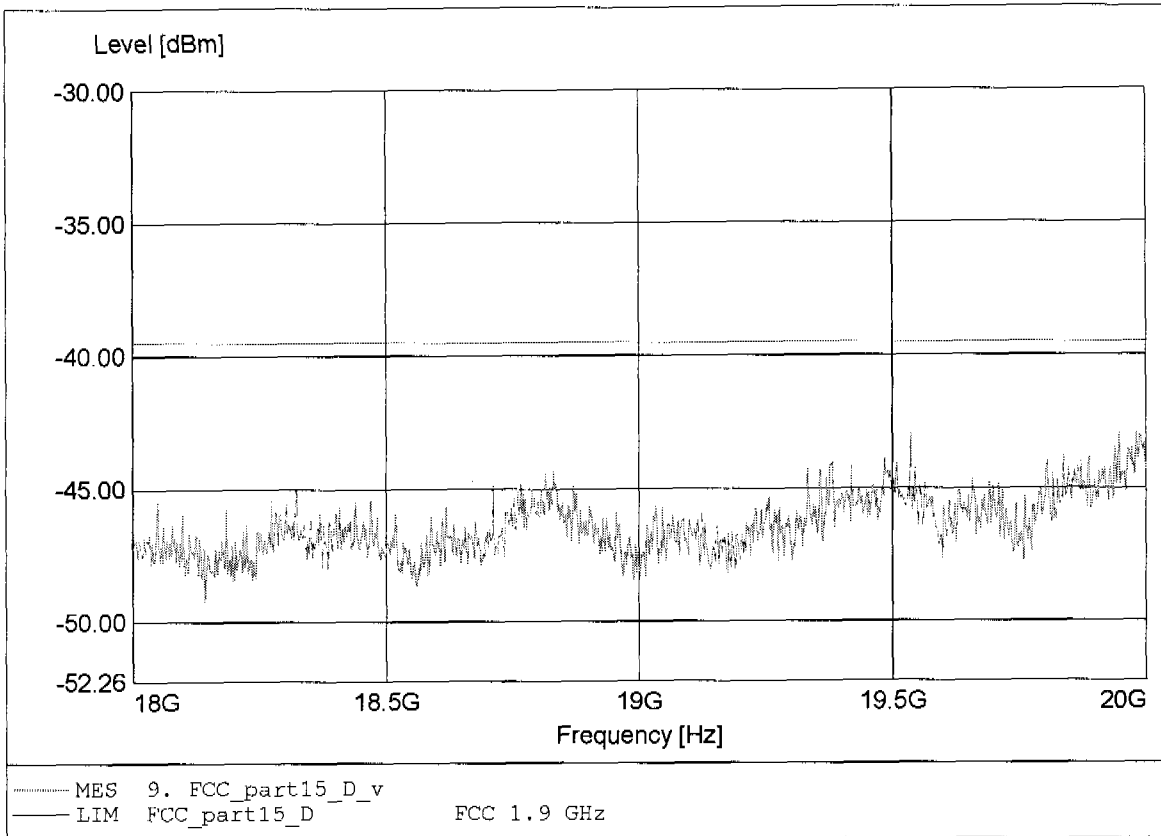




Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

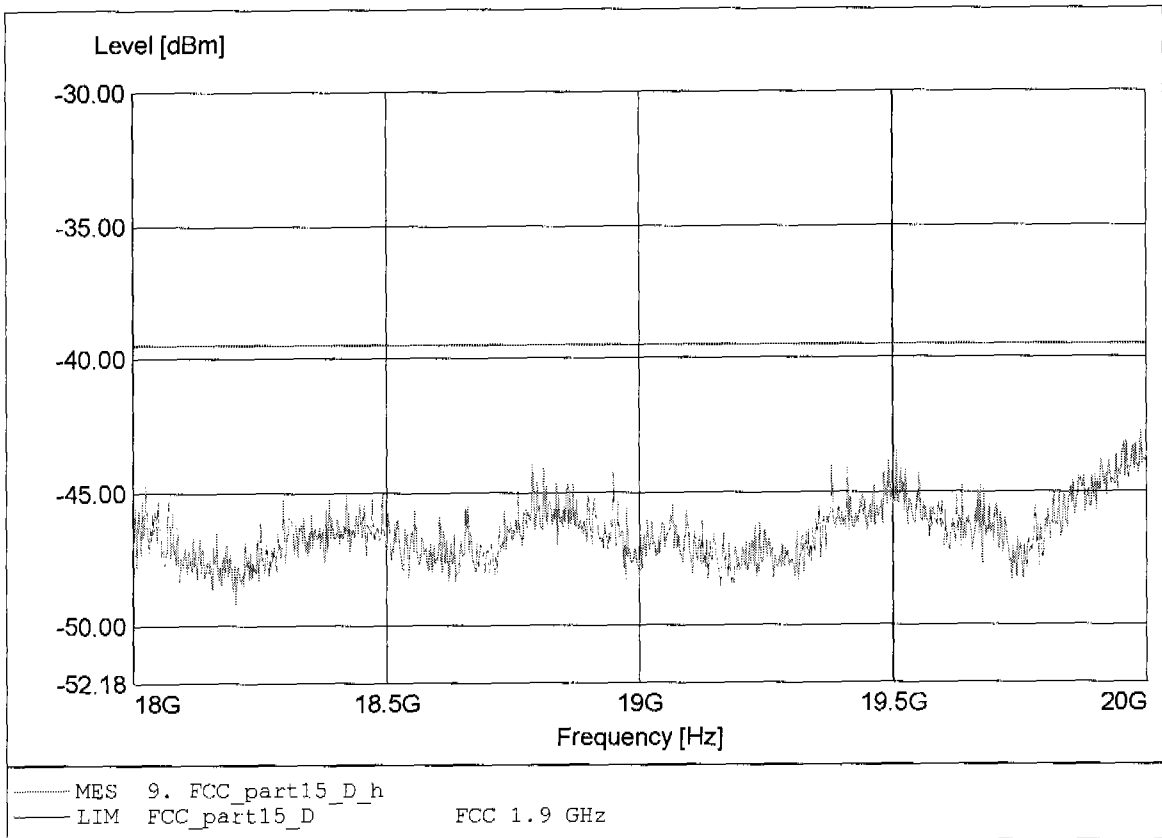
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1921.536 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.: 18-26 GHz  
Comment 2: Freq:19.536GHz Pmax:-42.89dBm REW: 1 MHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

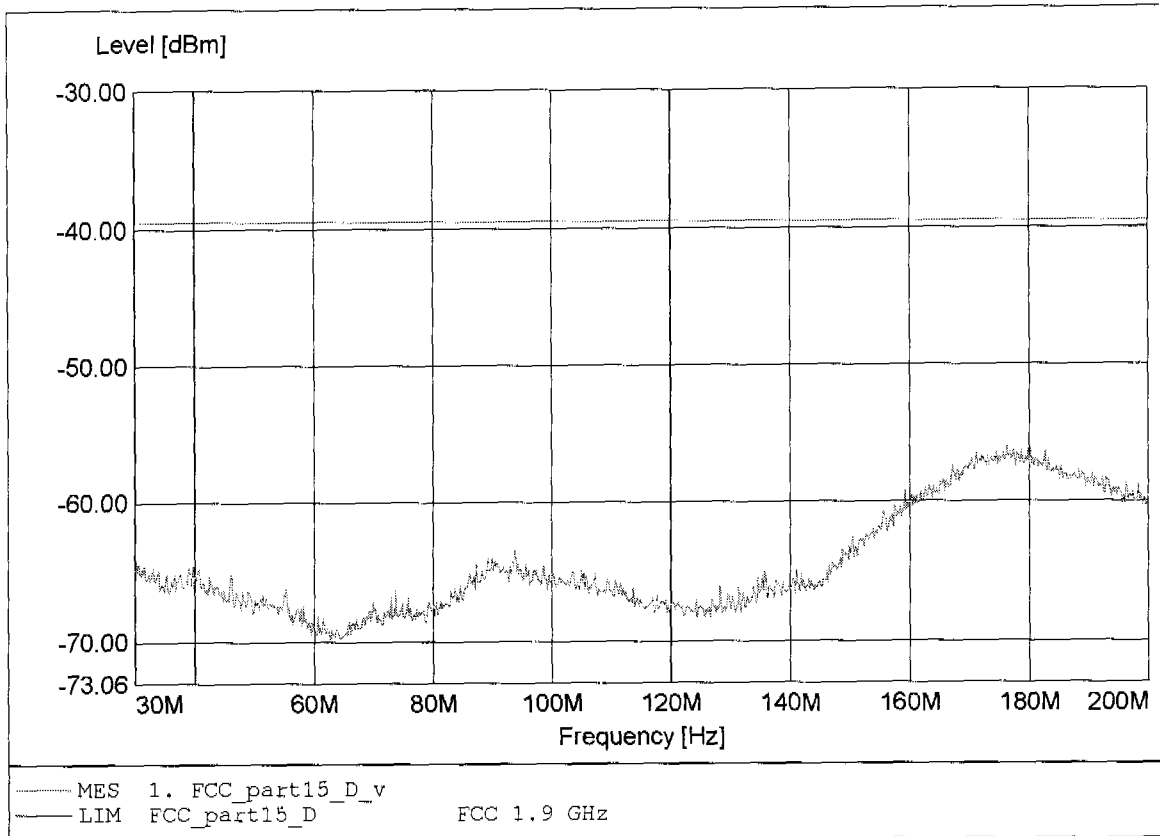
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1921.536 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.: 18-26 GHz  
Comment 2: Freq:19.989GHz Pmax:-42.78dBm RBW: 1 MHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

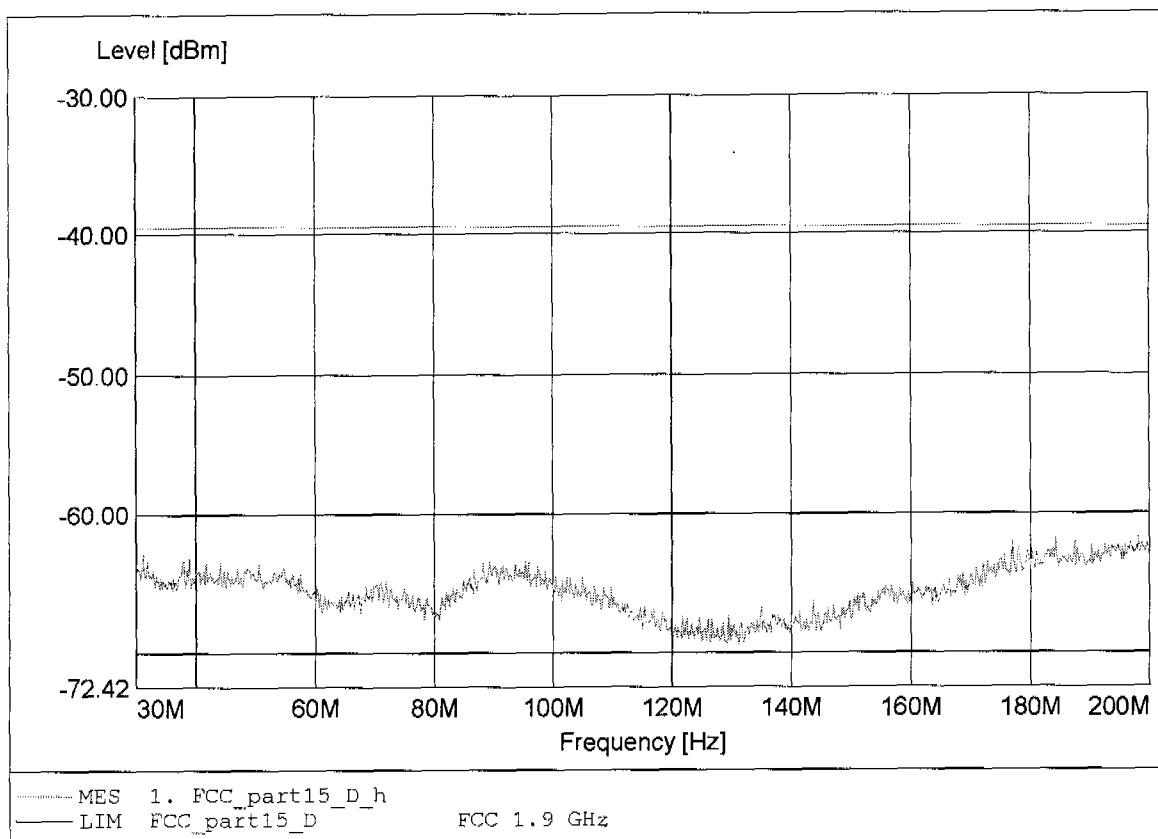
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1924.992 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HK 116,  
Comment 2: Freq:176.200MHz Pmax:-56.07dBm RBW: 100 kHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

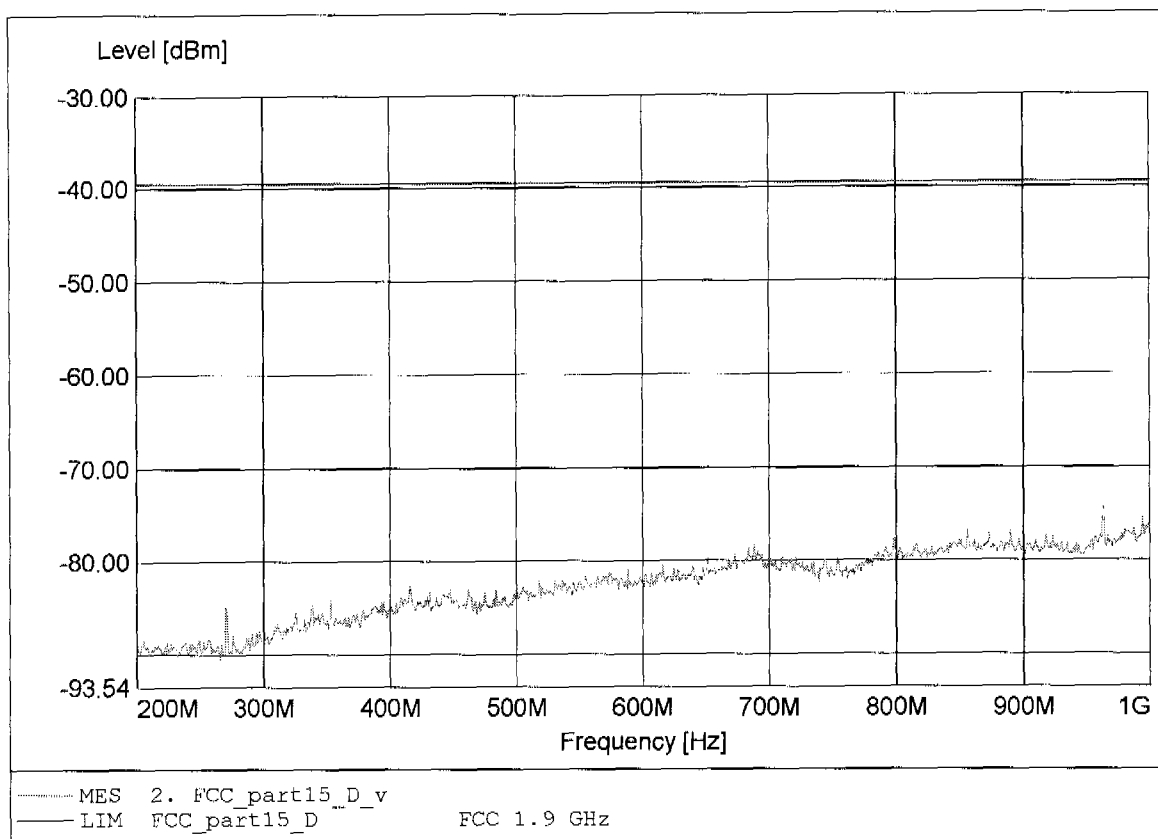
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1924.992 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HK 116,  
Comment 2: Freq:198.111MHz Pmax:-61.72dBm REW: 100 kHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

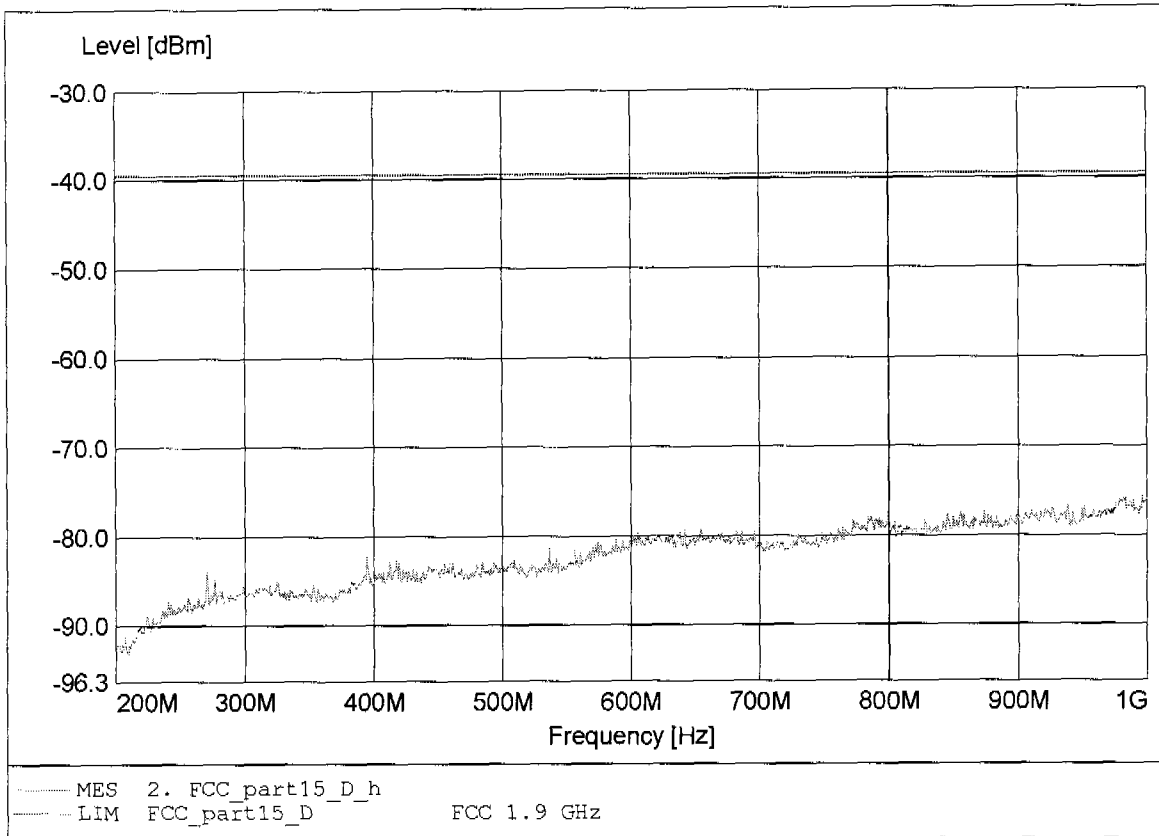
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1924,992 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq:962.667MHz Pmax:-74.15dBm RBW: 100 kHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

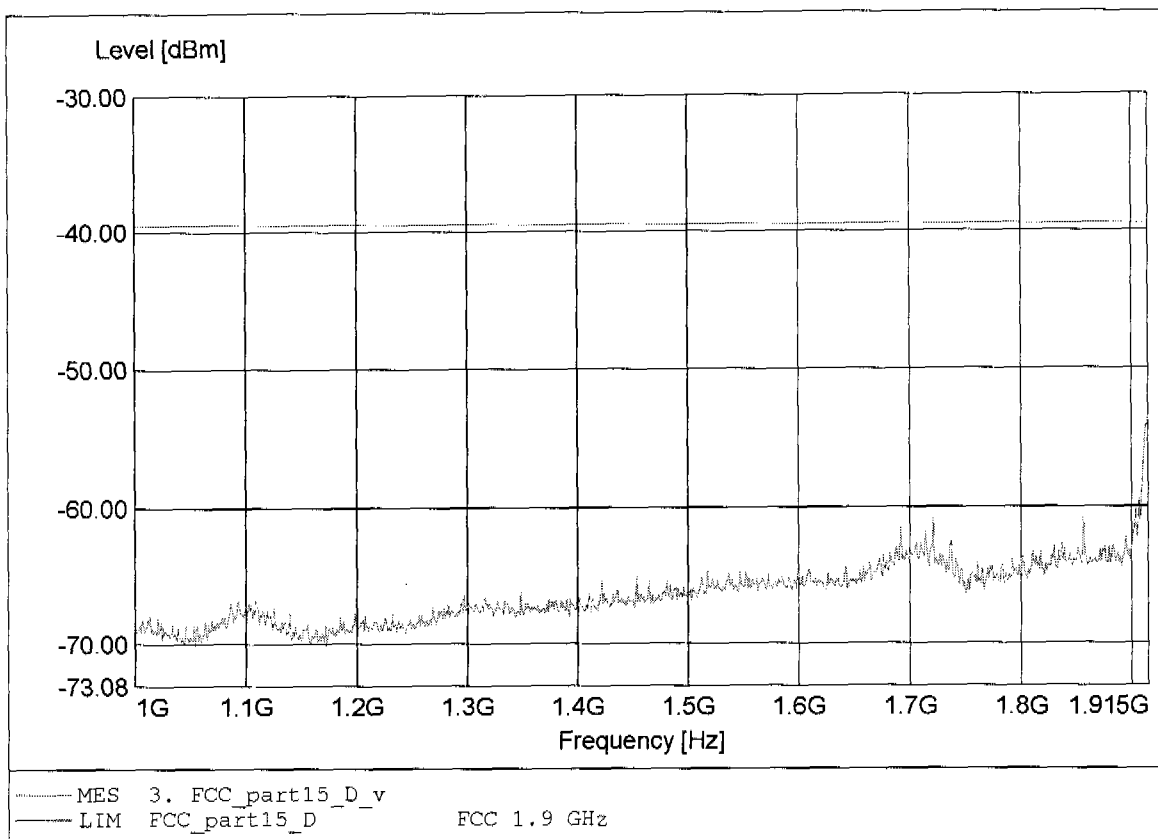
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1924,992 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq:996.444MHz Pmax:-75.66dBm RBW: 100 kHz



*Spurious emissions under normal conditions*

**FCC RULES PART 15, SUBPART D**

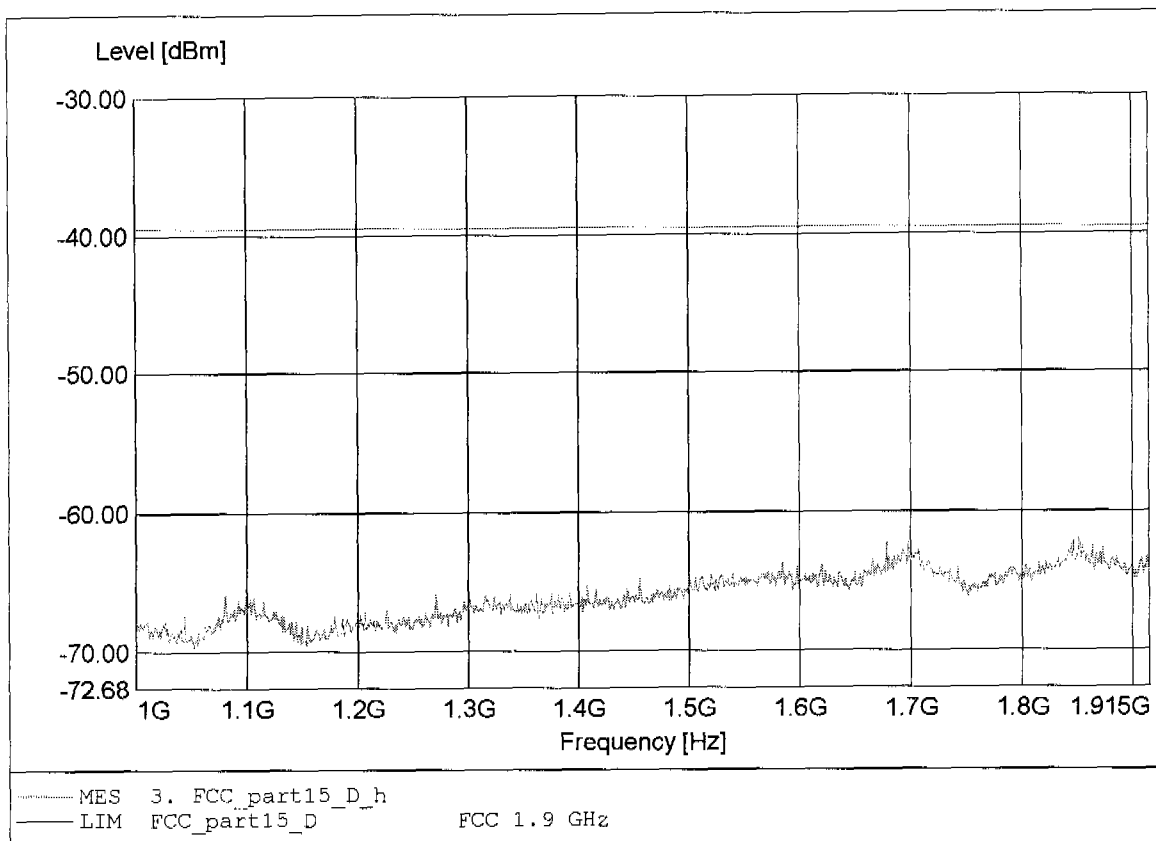
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1924,992 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:1.915GHz Pmax:-53.47dBm RBW: 1 MHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1924,992 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:1.851GHz Pmax:-62.02dBm RBW: 1 MHz

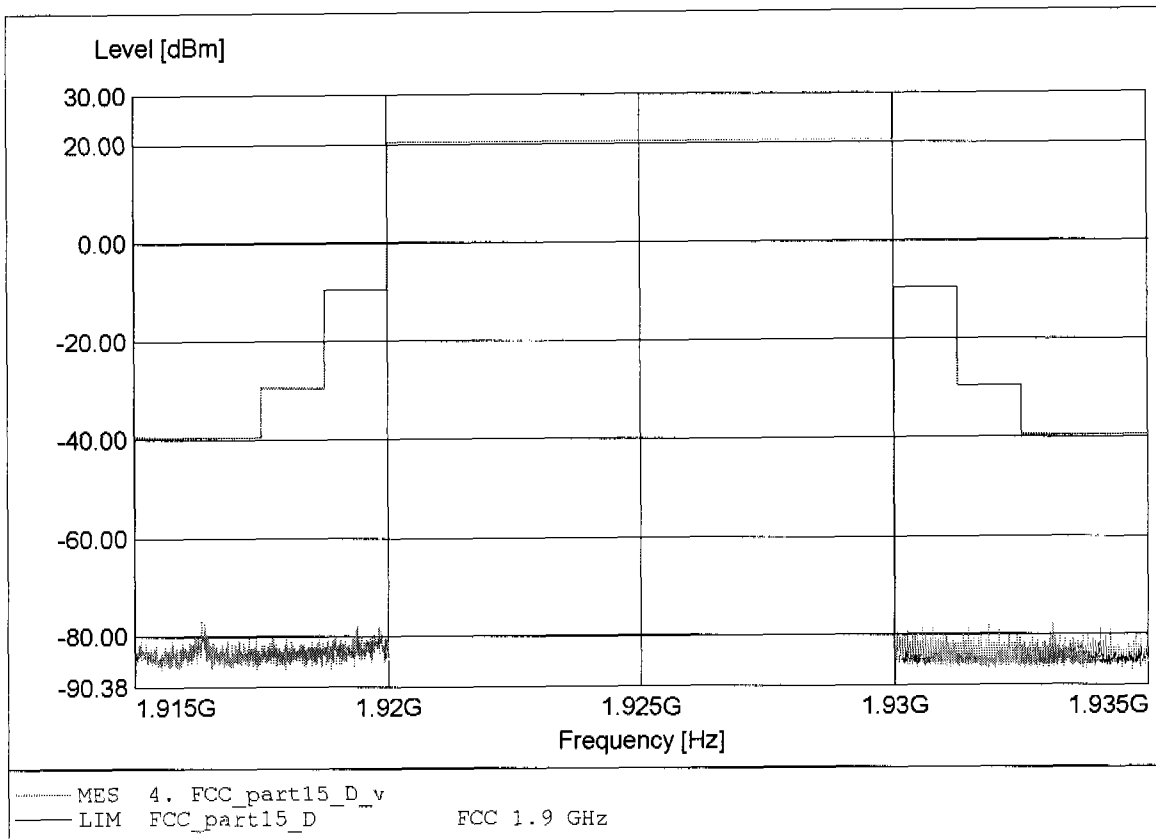




**Spurious emissions under normal conditions**

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

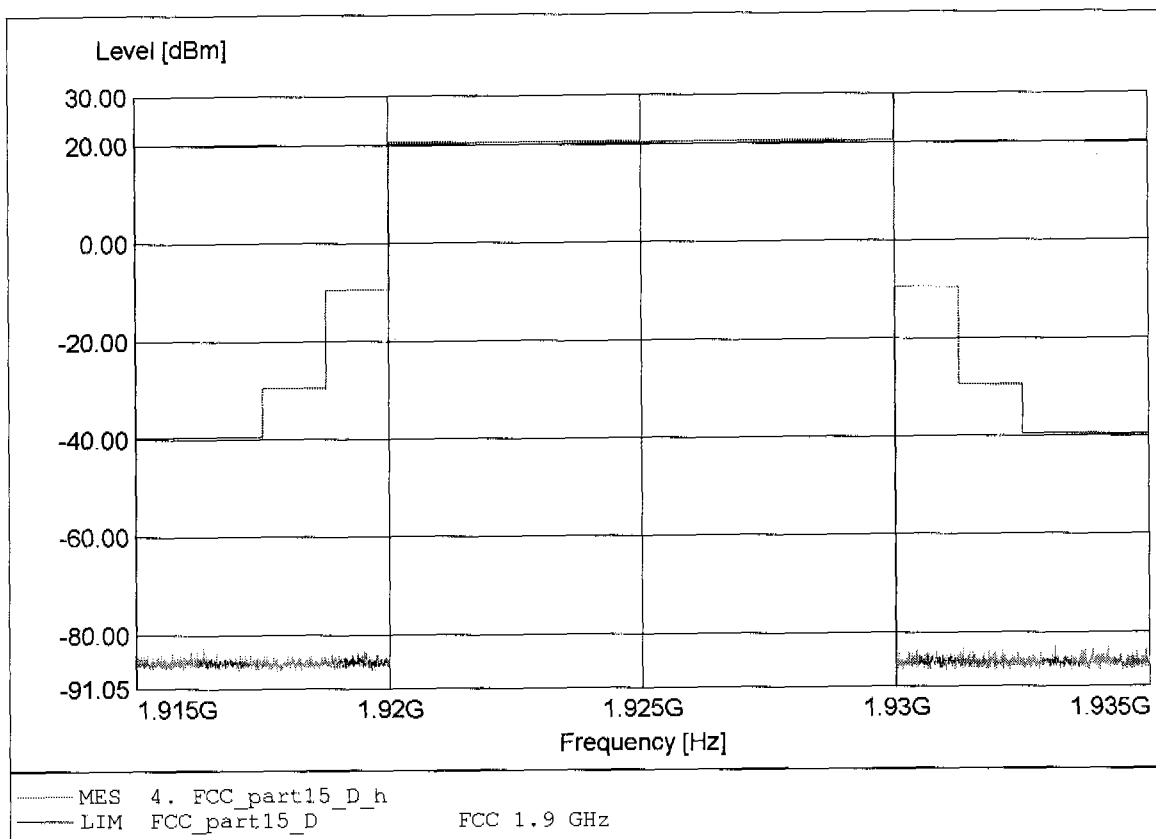
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1924,992 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:1.916GHz Pmax:-76.64dBm RBW:10 kHz



**Spurious emissions under normal conditions**

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

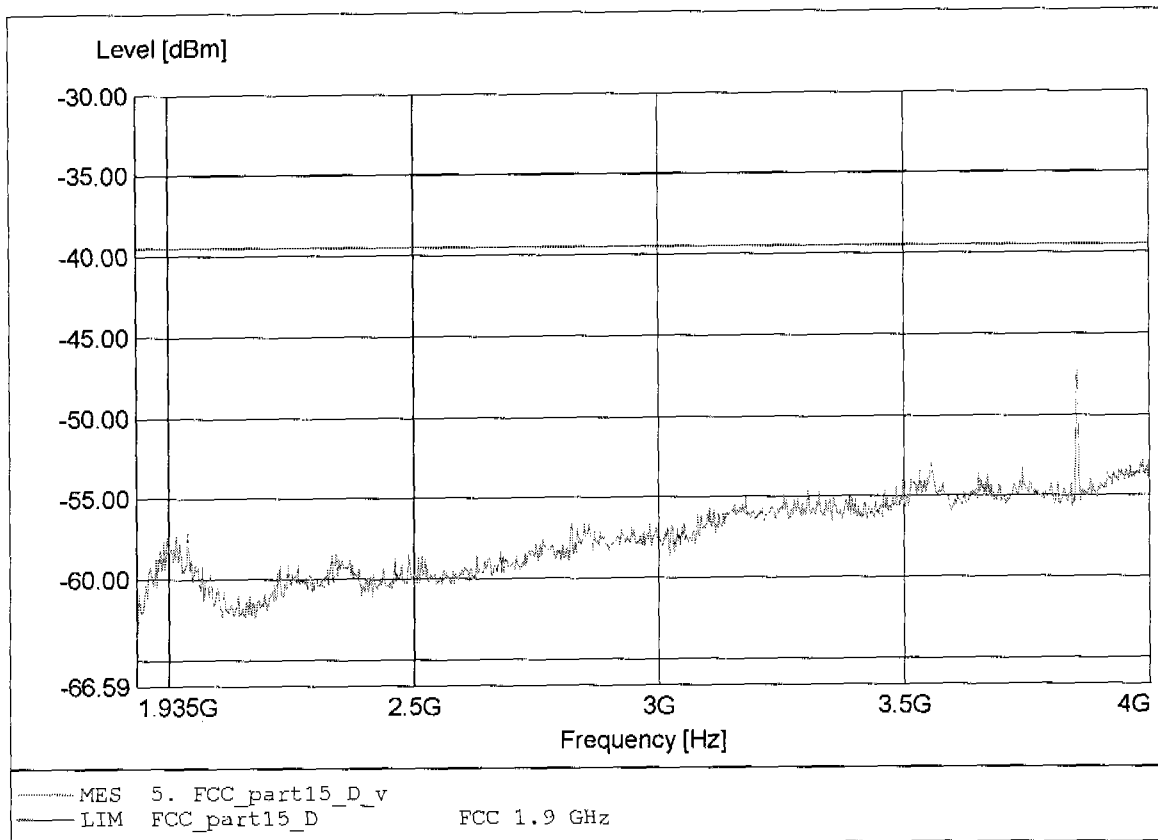
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1924,992 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:1.916GHz Pmax:-82.78dBm RBW:10 kHz



*Spurious emissions under normal conditions*

**FCC RULES PART 15, SUBPART D**

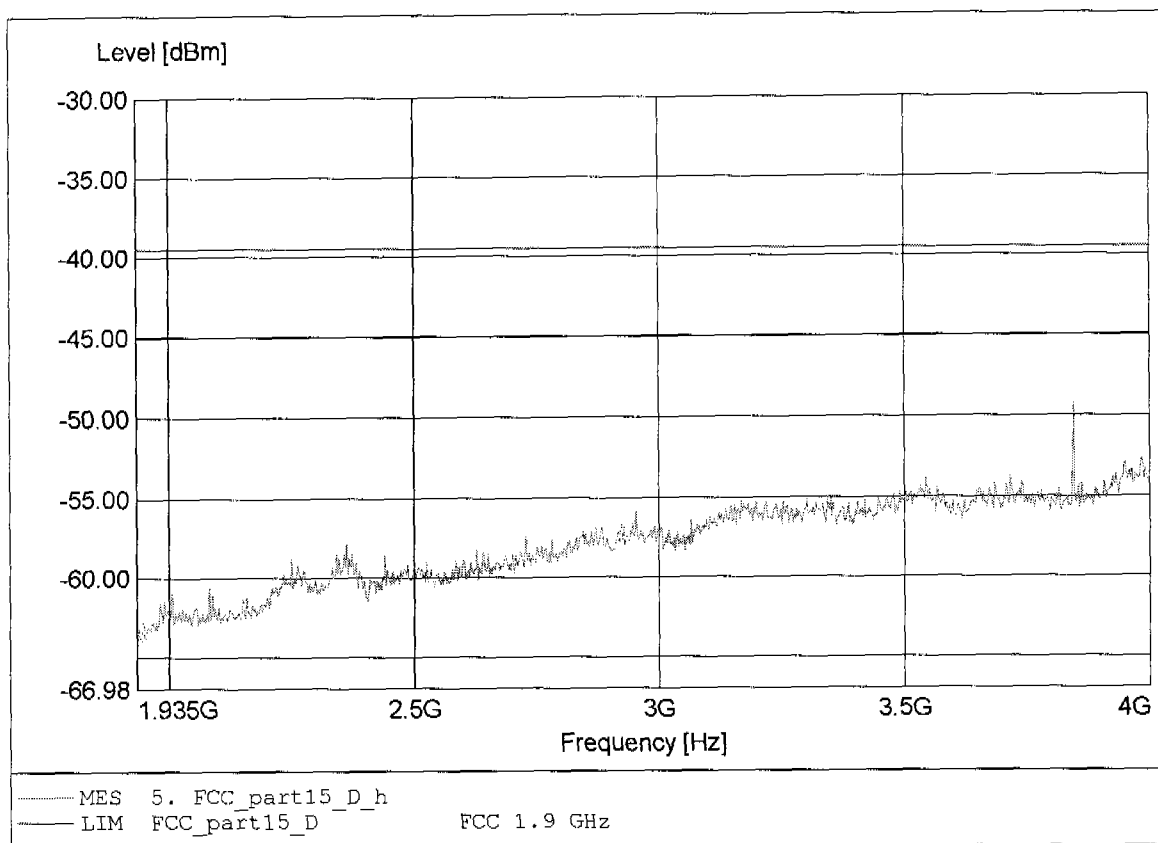
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1921.536 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:3.851GHz Pmax:-46.77dBm RBW: 1 MHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

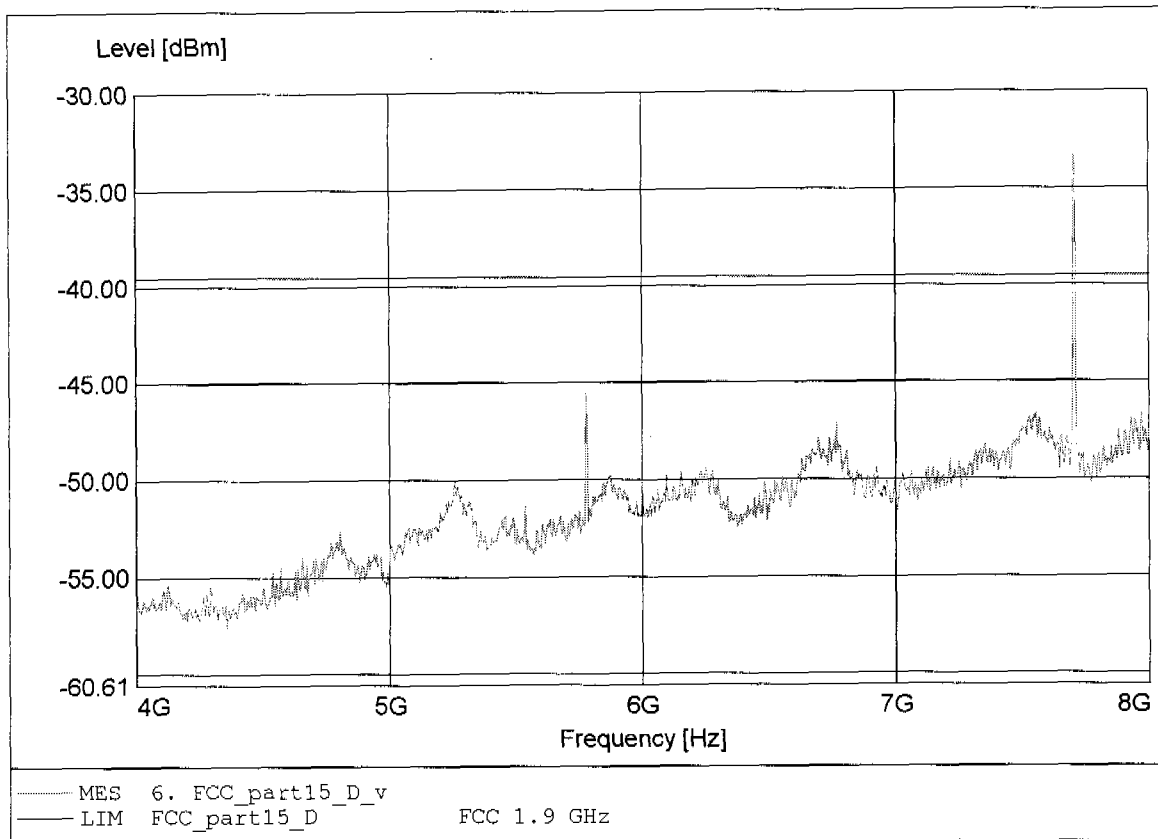
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1924,992 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:3.844GHz Pmax:-49.20dBm RBW: 1 MHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

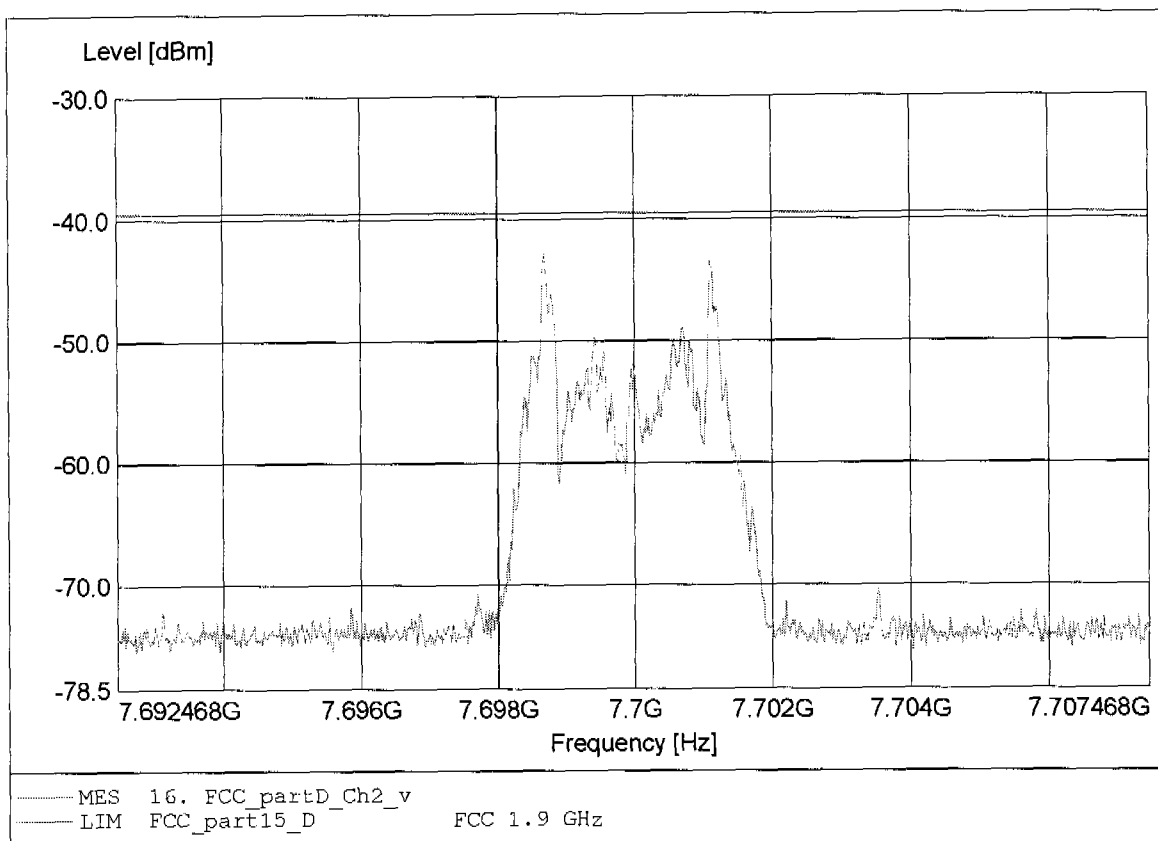
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1924.992 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, HP+ampl.  
Comment 2: Freq:7.702GHz Pmax:-33.36dBm RBW: 1 MHz



**Spurious emissions under normal conditions**

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

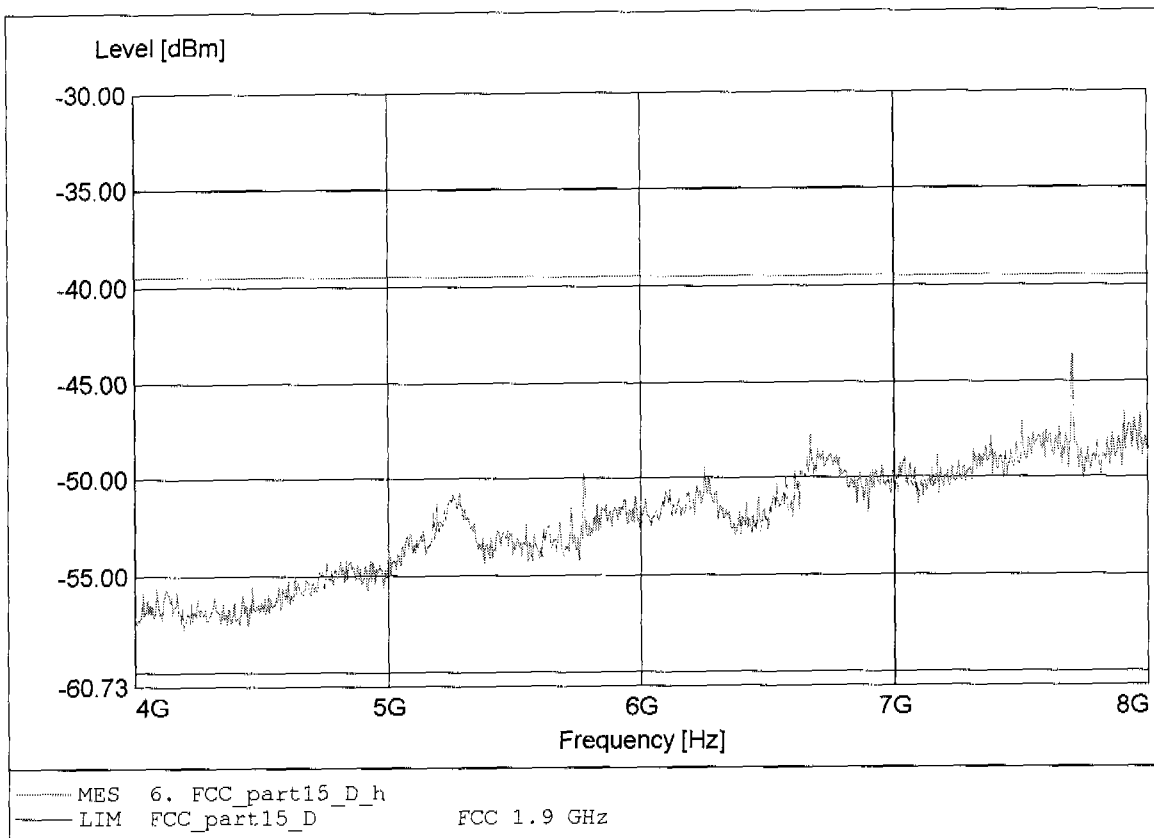
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1924.992 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:7.699GHZ Pmax:-42.89dBm RBW:10 kHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

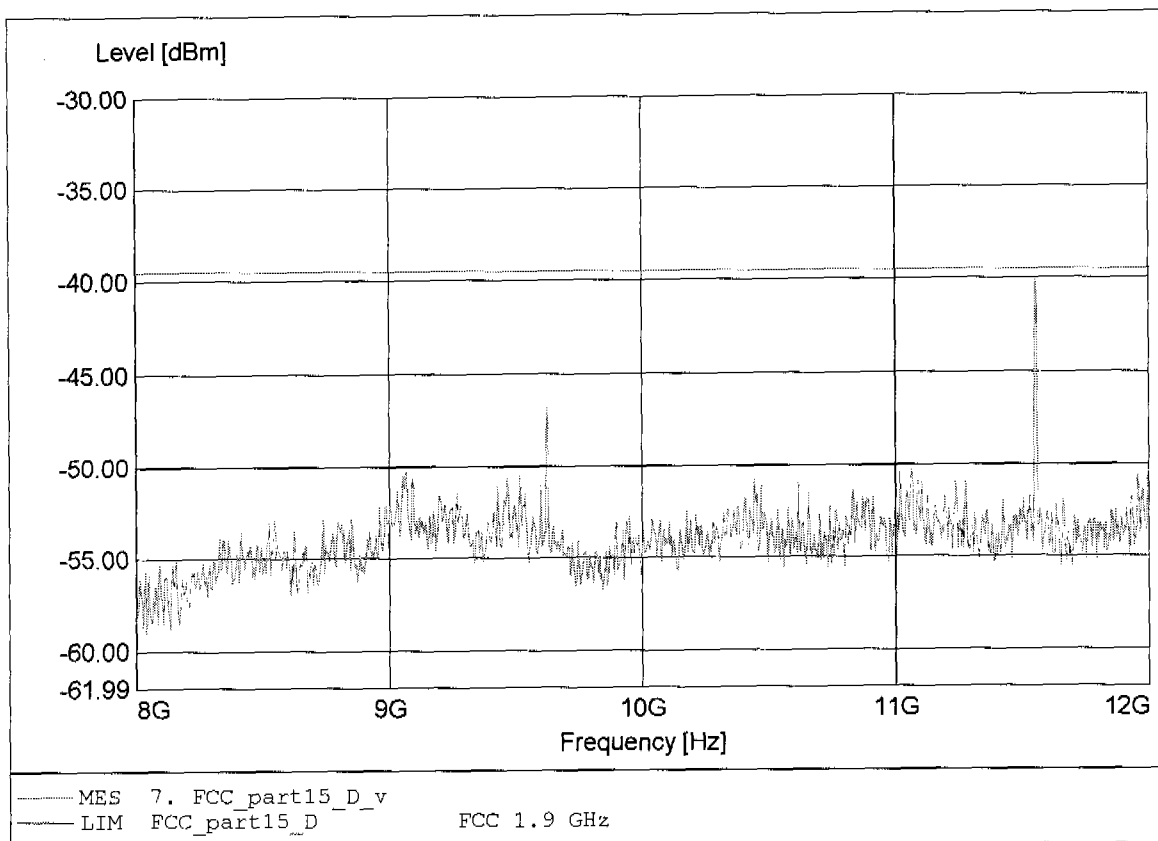
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1924,992 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, HP+ampl.  
Comment 2: Freq: 7.702GHz Pmax:-43.52dBm RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part) 1924,992 MHz  
Model: PP3N 1G9 /  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, HP+ampl.  
Comment 2: Freq:11.551GHz Pmax:-40.10dBm REW: 1 MHz

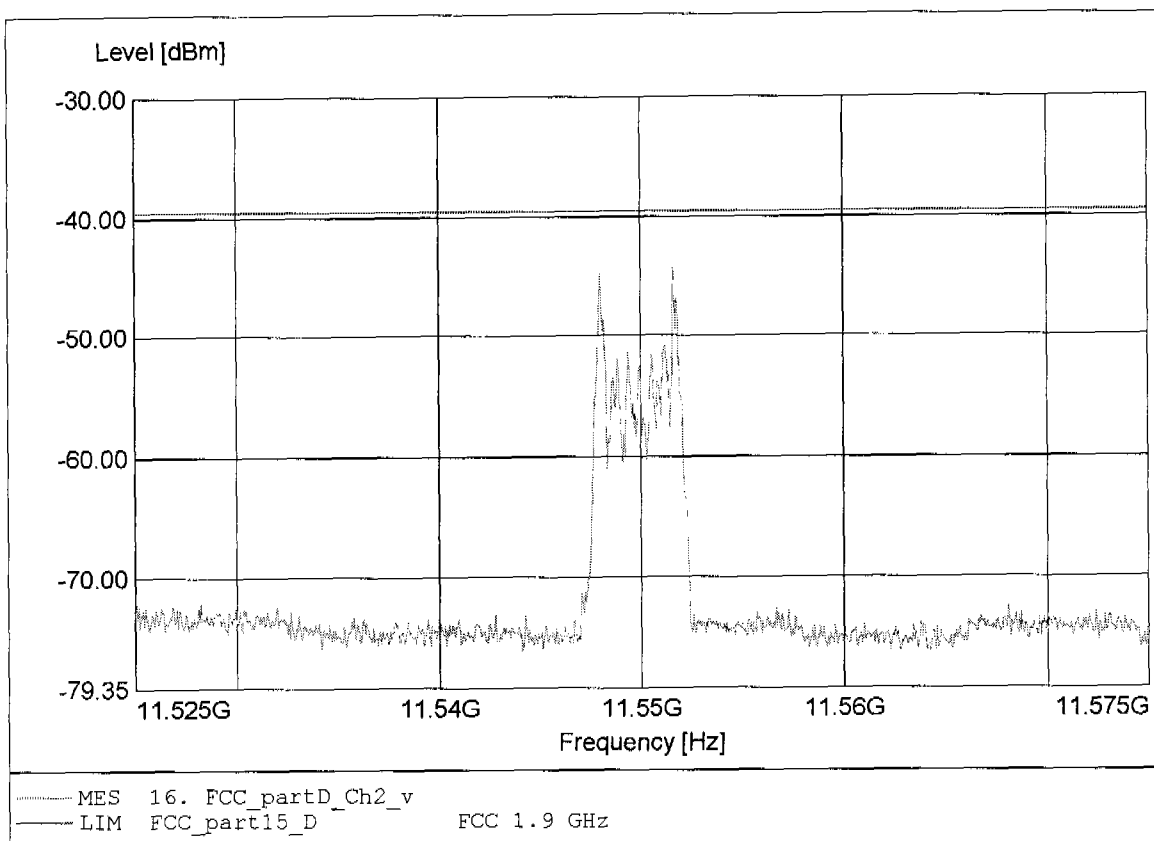




**Spurious emissions under normal conditions**

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

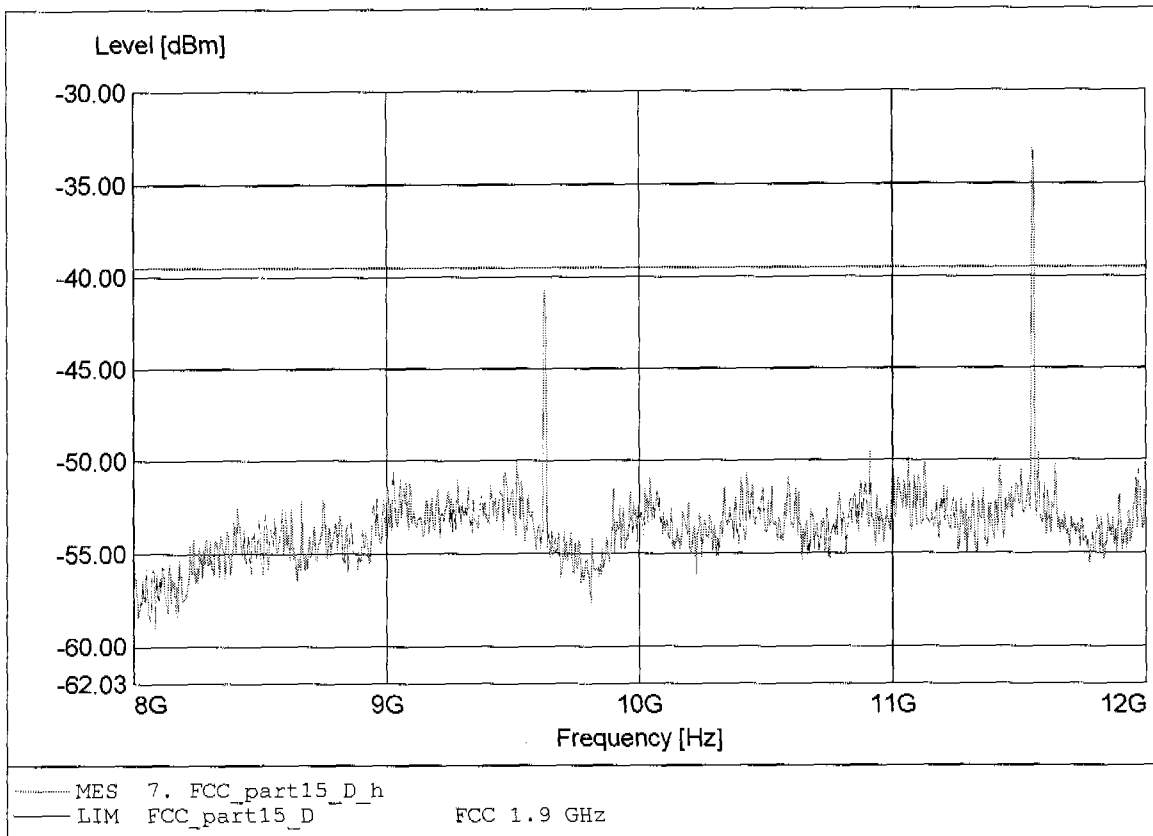
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1924.992 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:11.552GHz Pmax:-44.35dBm RBW:10 kHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

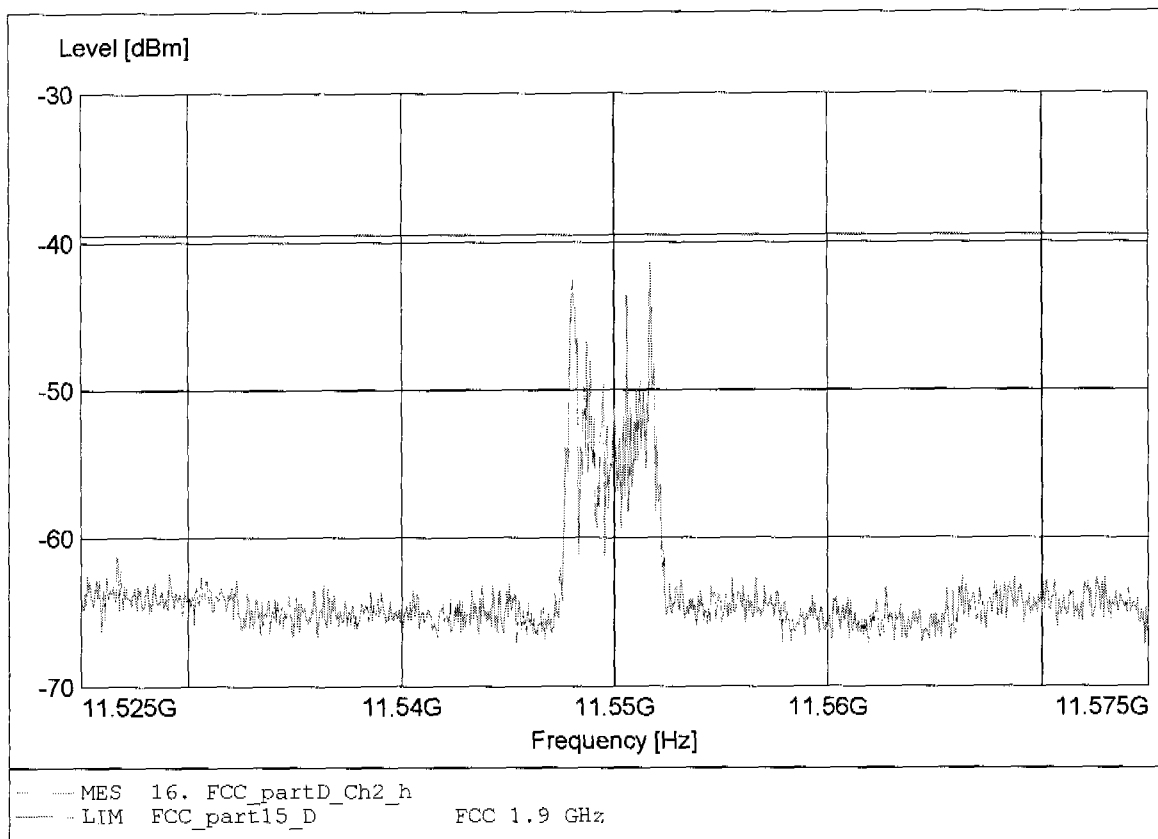
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1924,992 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, HP+ampl.  
Comment 2: Freq:11.551GHz Pmax:-33.07dBm RBW: 1 MHz



**Spurious emissions under normal conditions**

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

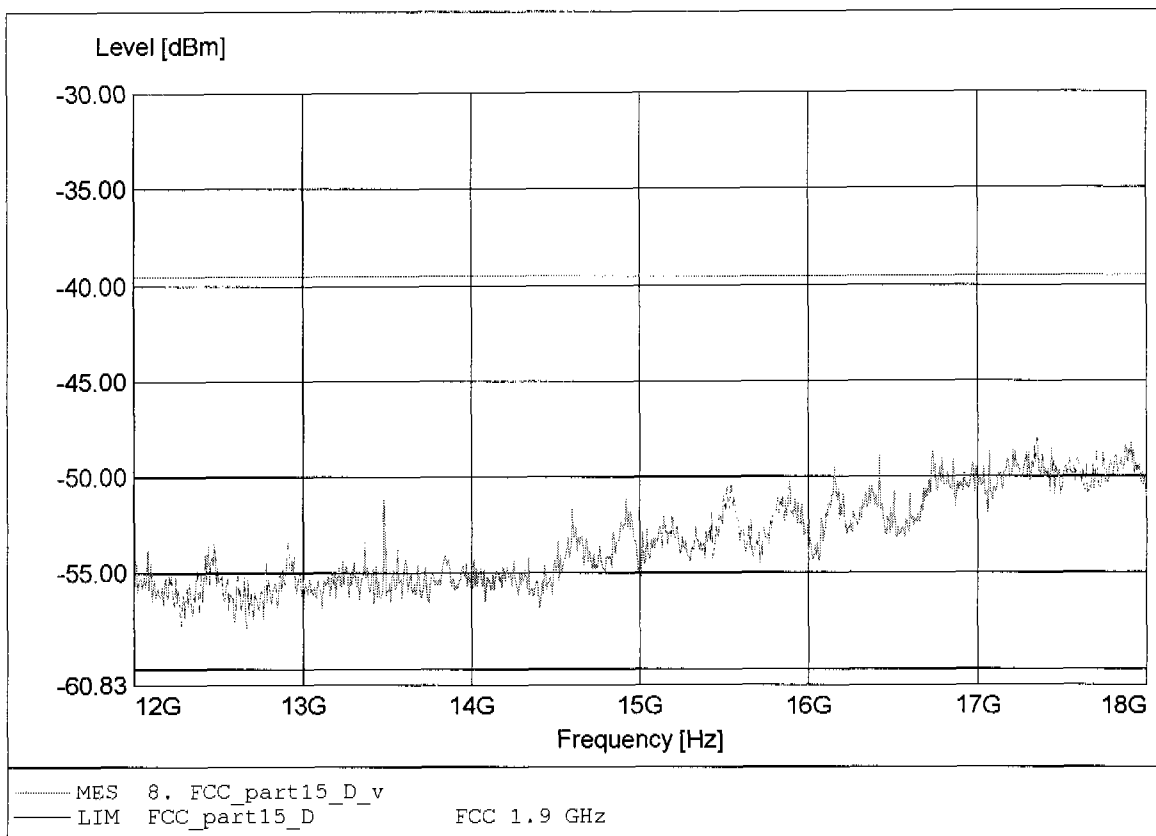
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1924.992 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:11.552GHz Pmax:-39.28dBm RBW:10 kHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

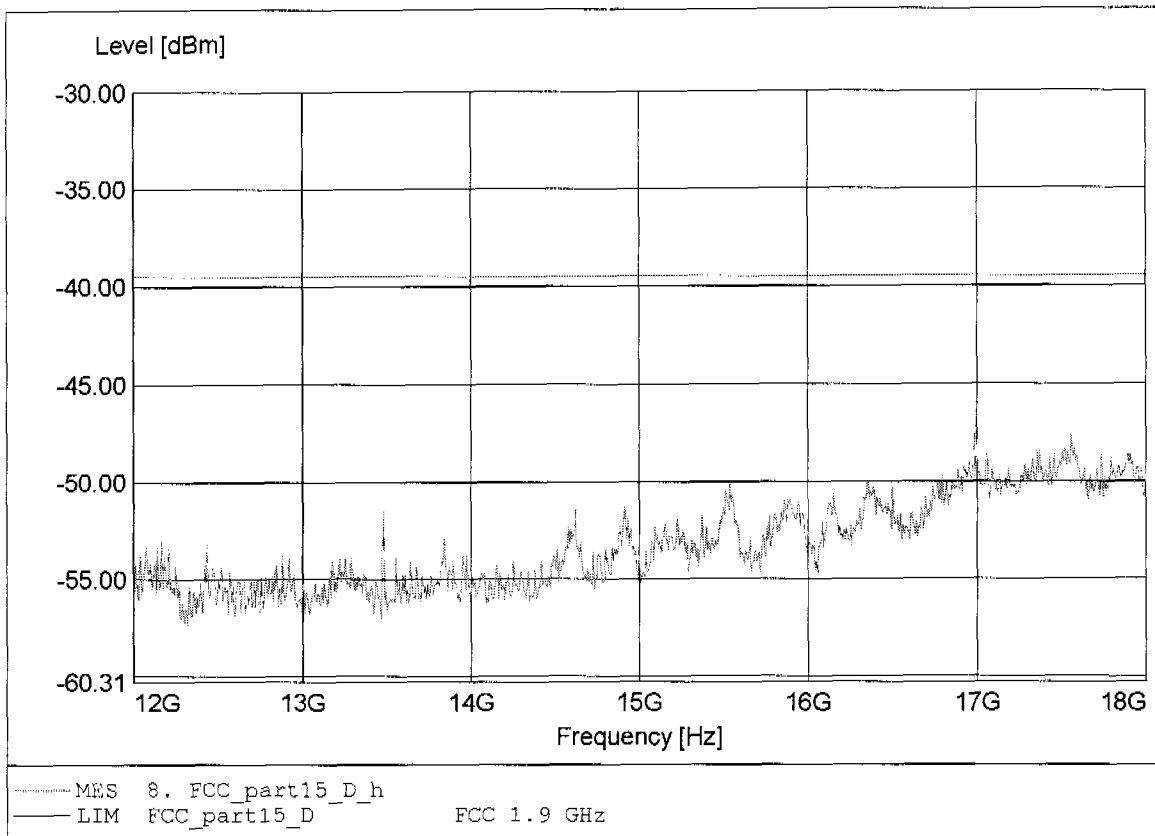
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1924,992 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, HP+ampl.  
Comment 2: Freq:17.347GHz Pmax:-47.82dBm RBW: 1 MHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

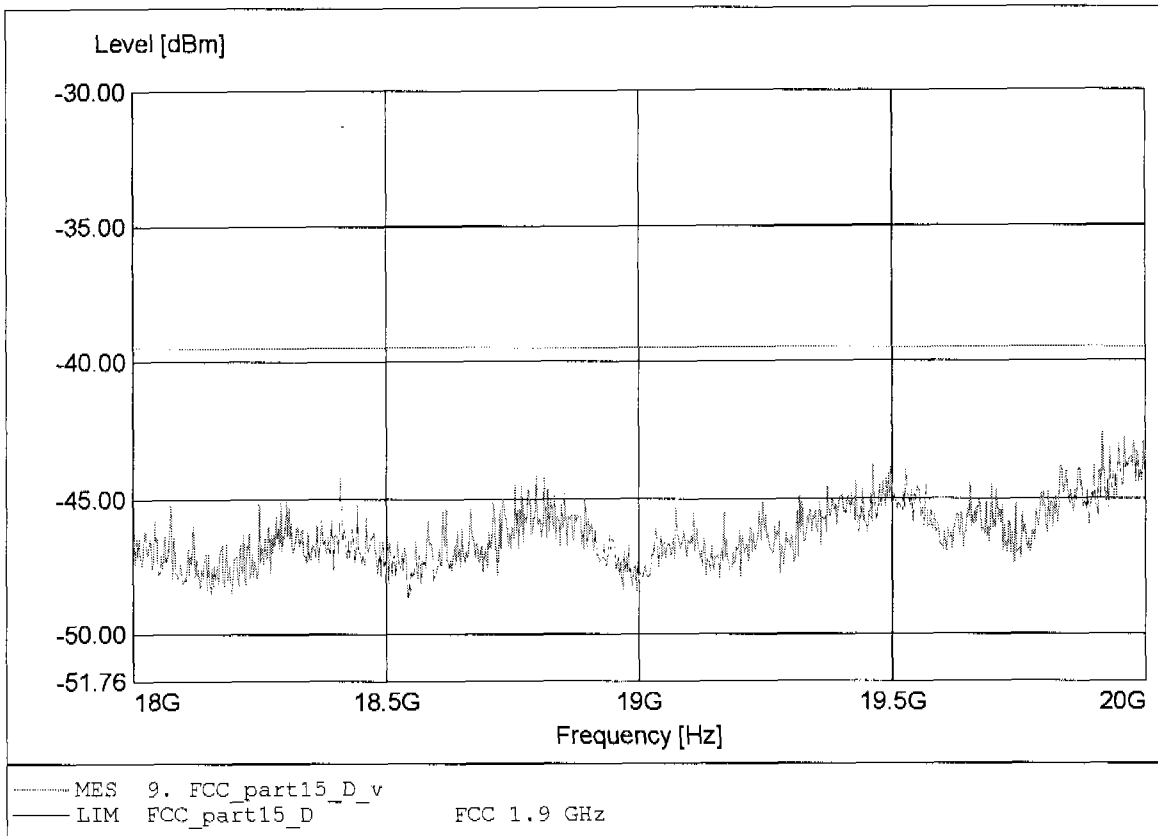
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1924,992 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, HP+ampl.  
Comment 2: Freq:16.993GHz Pmax:-47.08dBm RBW: 1 MHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

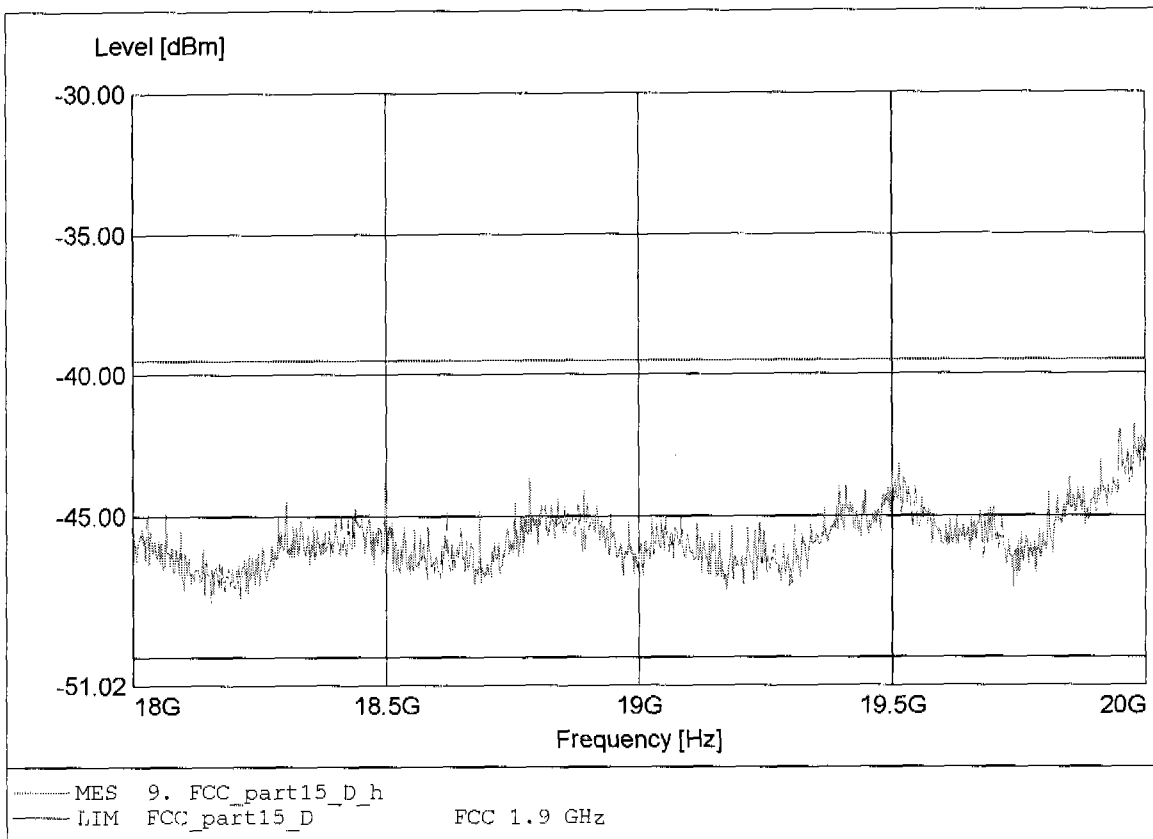
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1924.992 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.: 18-26 GHz  
Comment 2: Freq:19.913GHz Pmax:-42.53dBm RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

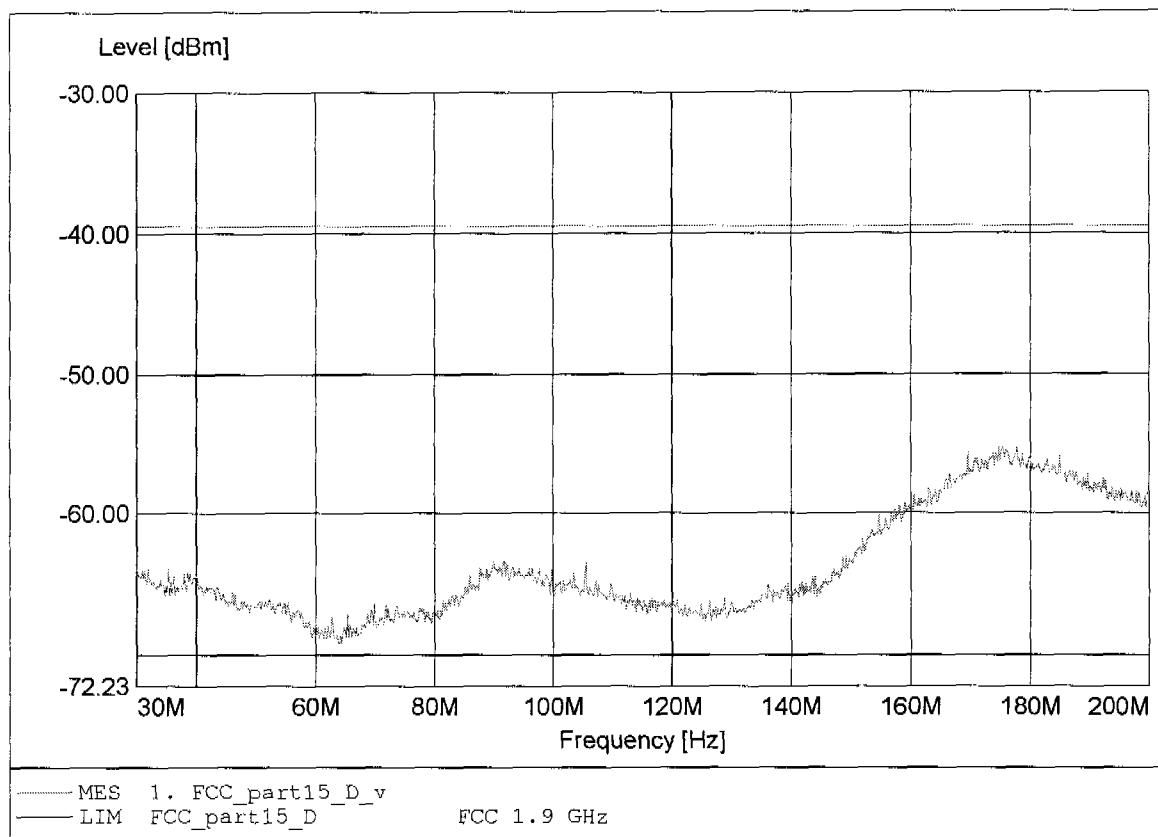
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1924.992 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.: 18-26 GHz  
Comment 2: Freq:19.978GHz Pmax:-41.81dBm RBW: 1 MHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1928,448 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HK 116,  
Comment 2: Freq:174.689MHz Pmax:-55.27dBm RBW: 100 kHz

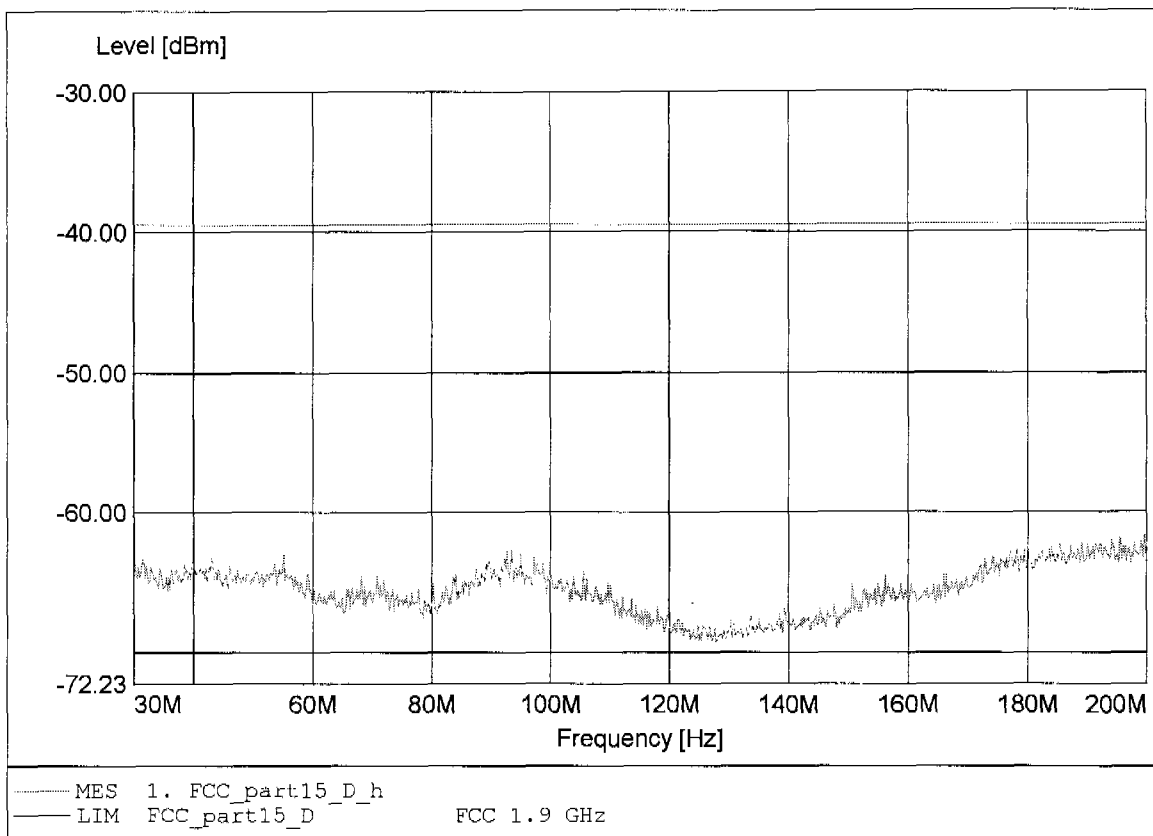




**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

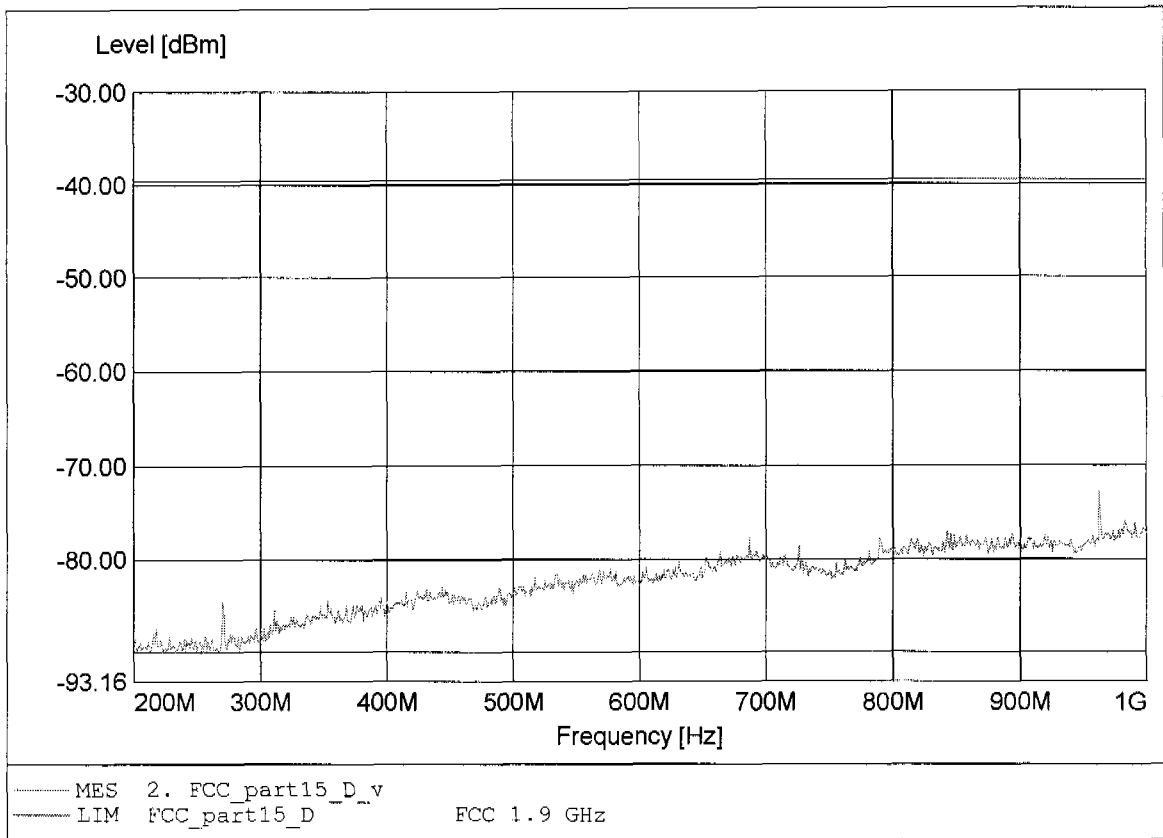
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1928,448 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HK 116,  
Comment 2: Freq:199.622MHz Pmax:-61.57dBm RBW: 100 kHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

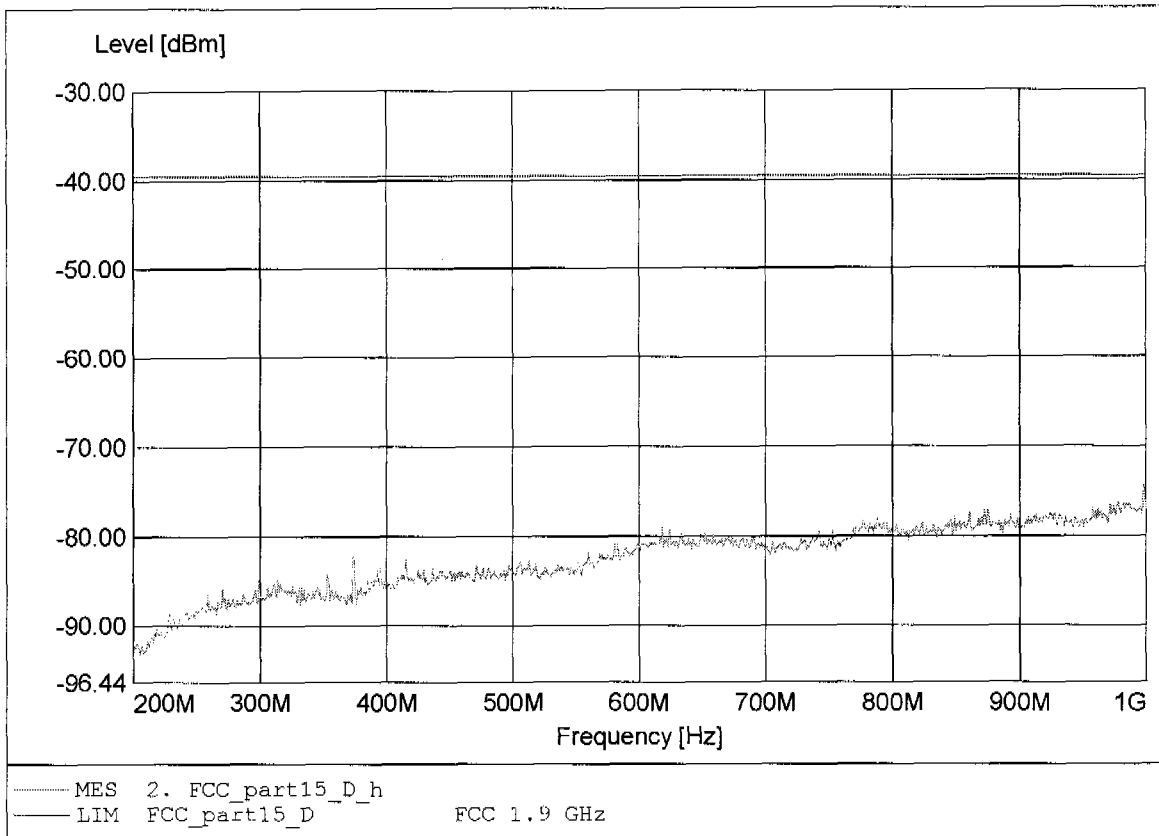
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1928,448 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq:962.667MHz Pmax:-72.60dBm RBW: 100 kHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

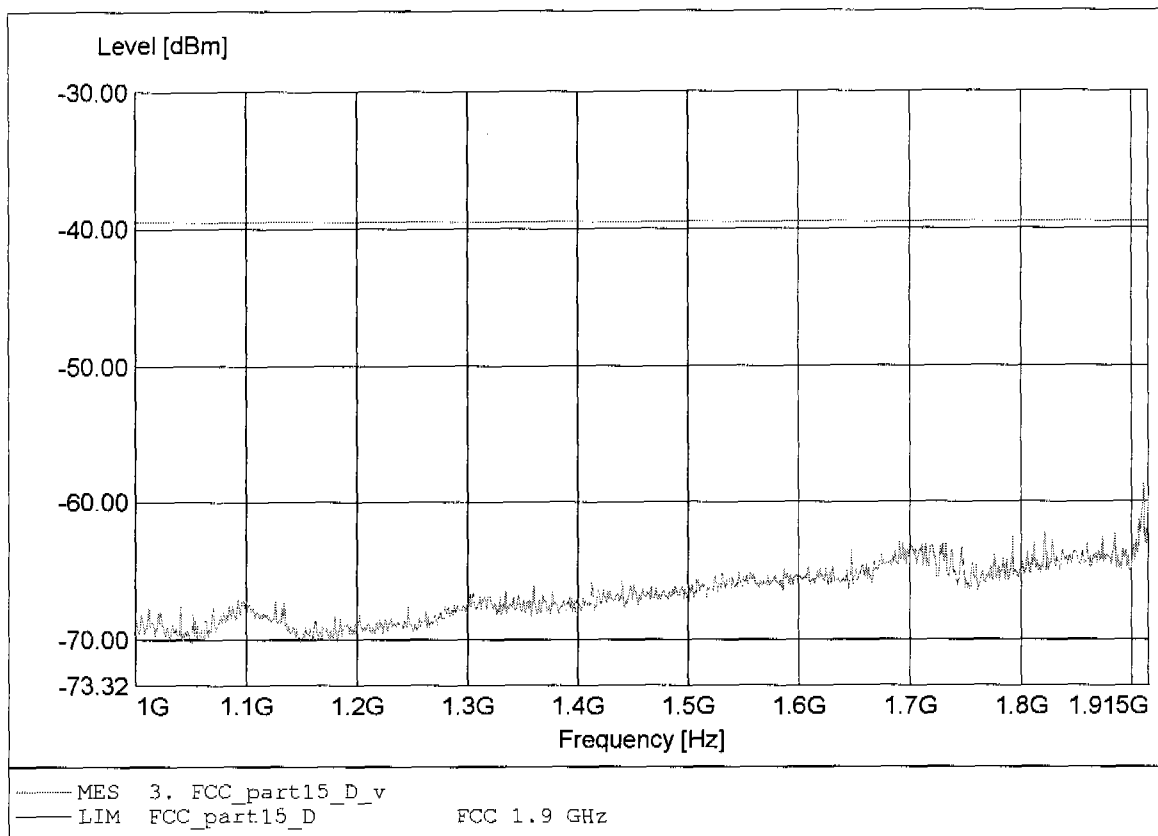
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1928,448 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq:998.222MHz Pmax:-74.29dBm RBW: 100 kHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

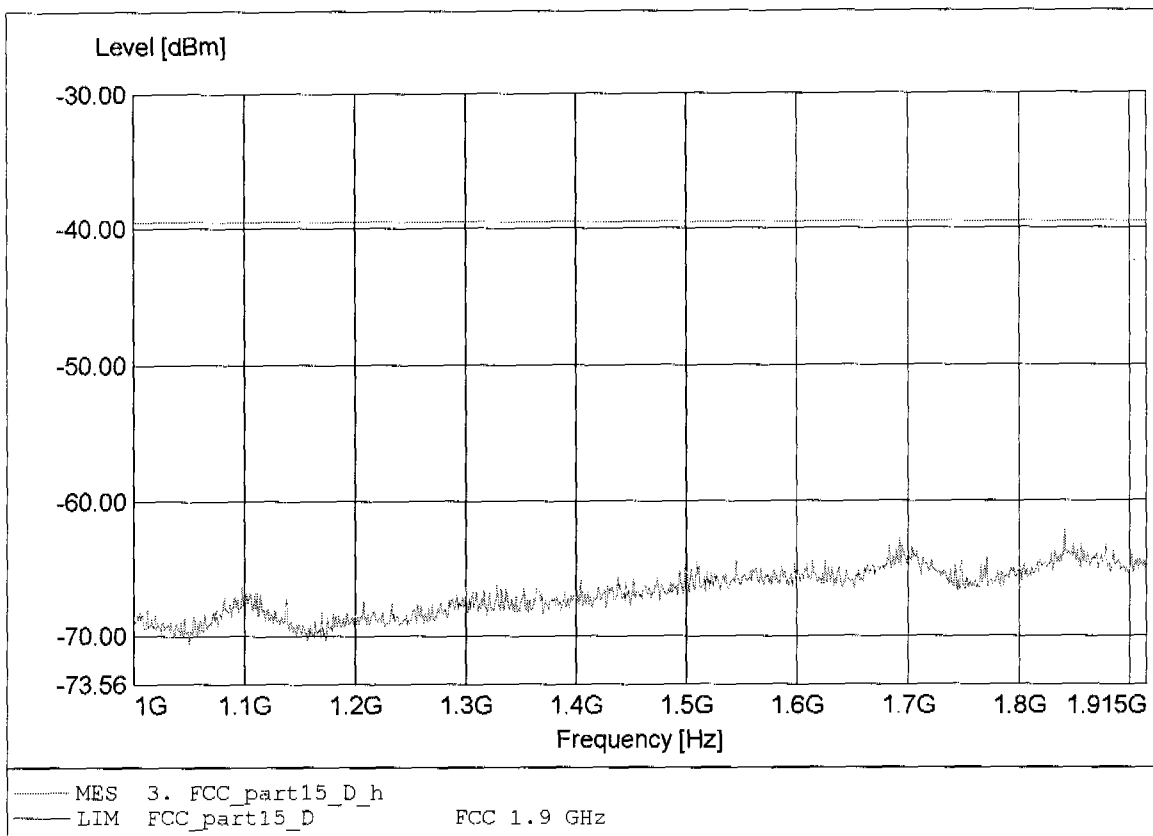
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1928,448 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:1.911GHz Pmax:-58.68dBm RBW: 1 MHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

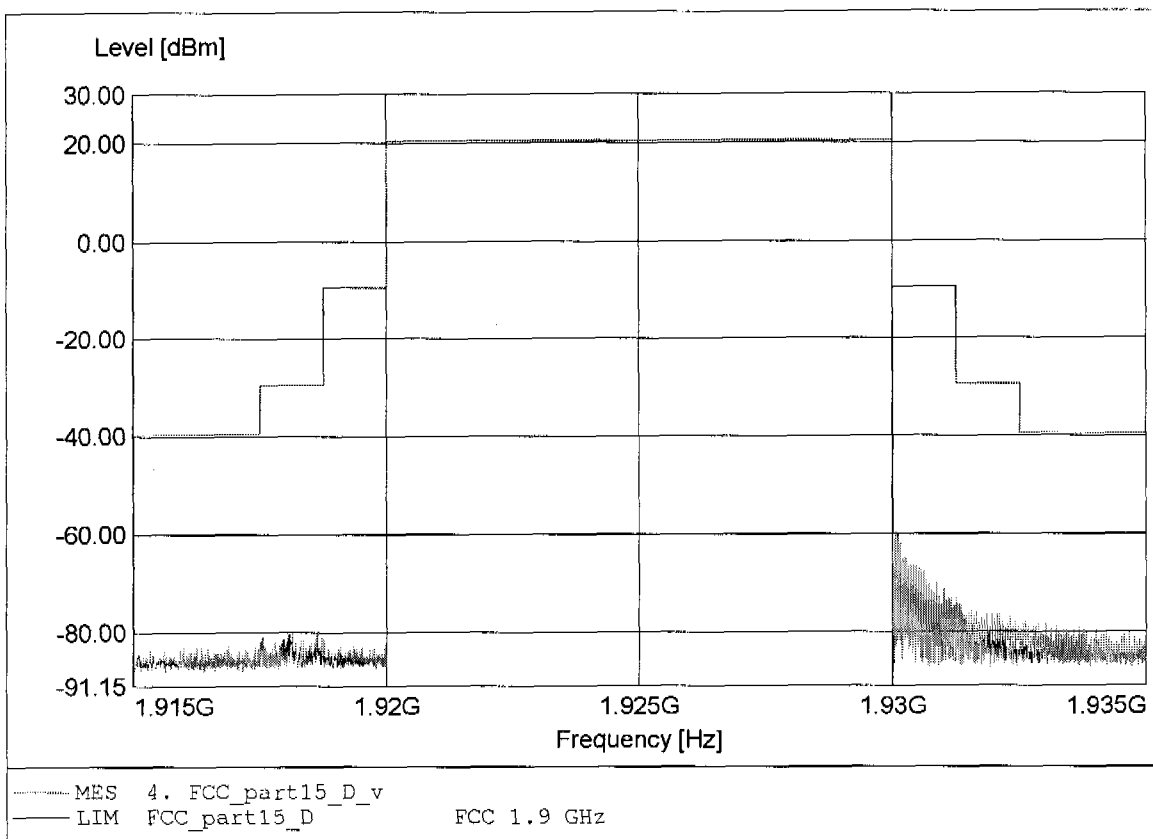
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1928,448 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:1.841GHz Pmax:-62.11dBm RBW: 1 MHz



Spurious emissions under normal conditions

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

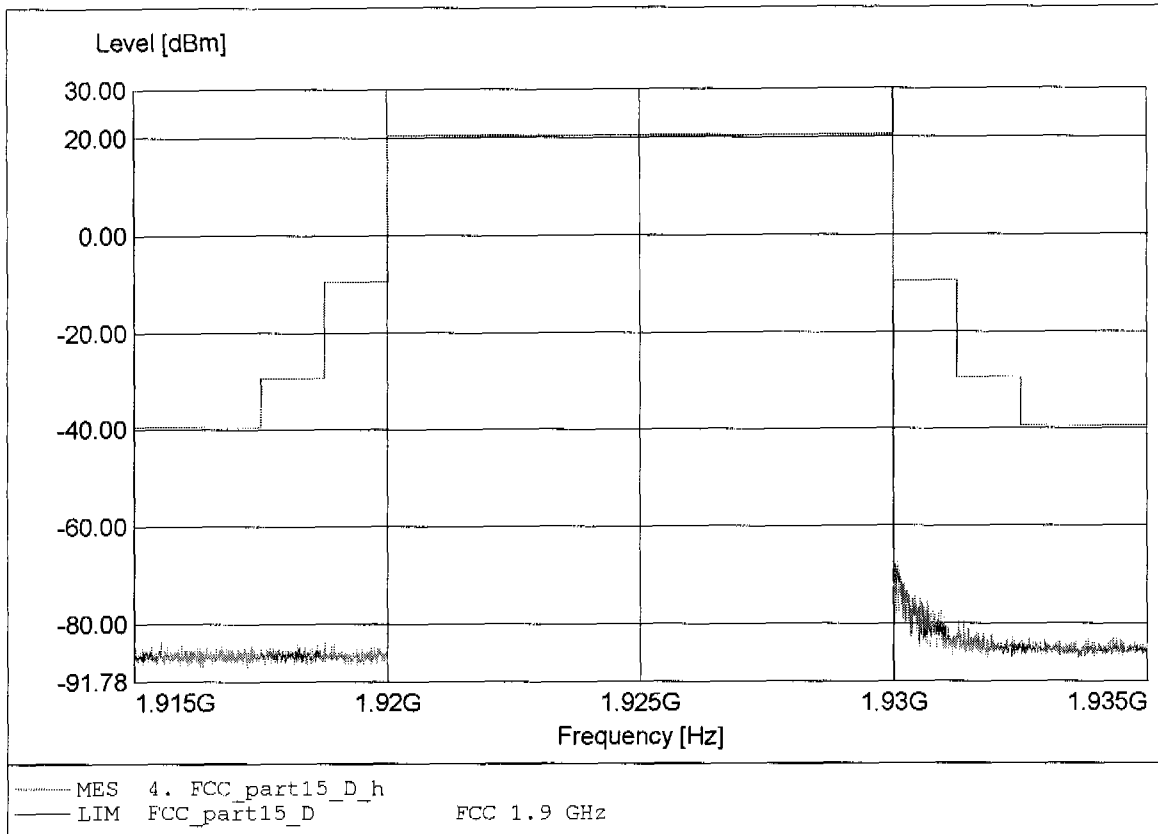
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1928,448 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:1.930GHz Pmax:-59.69dBm RBW:10 kHz



**Spurious emissions under normal conditions**

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

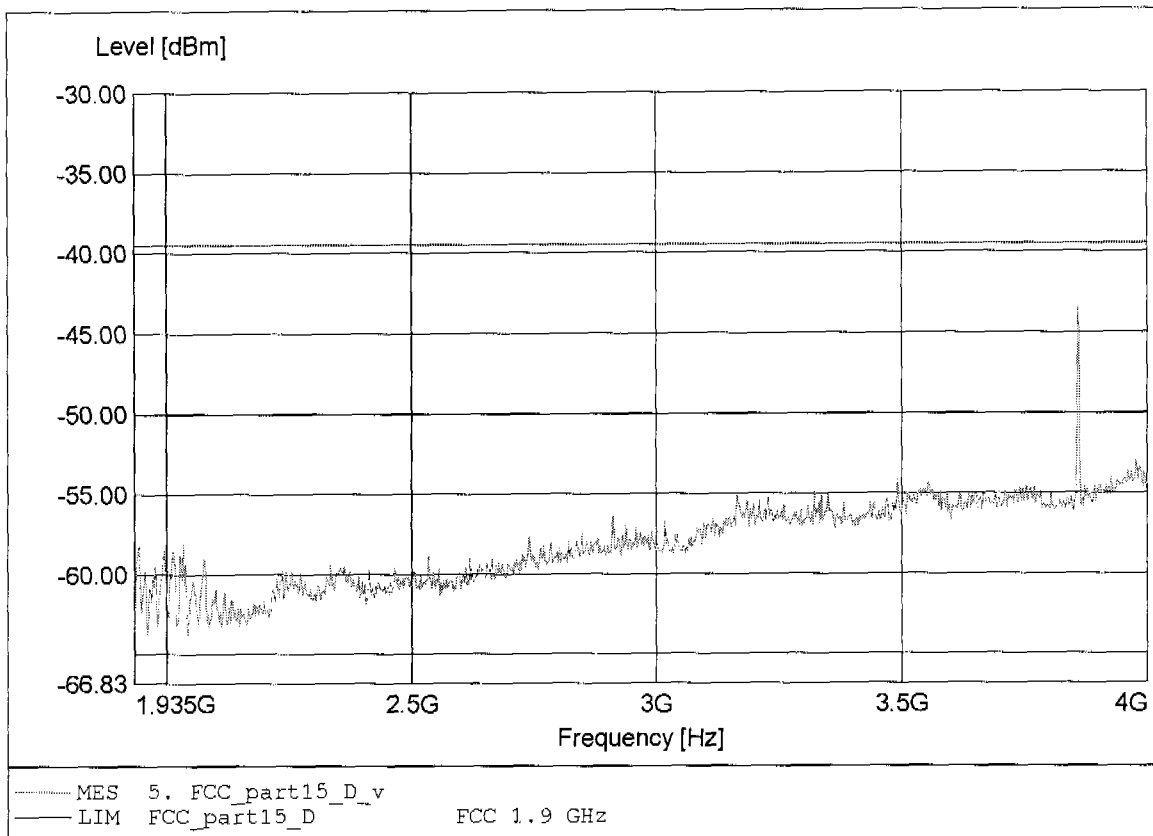
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1928,448 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:1.930GHz Emax:-66.34dBm RBW:10 kHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1928,448 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:3.858GHz Pmax:-43.32dBm RBW: 1 MHz

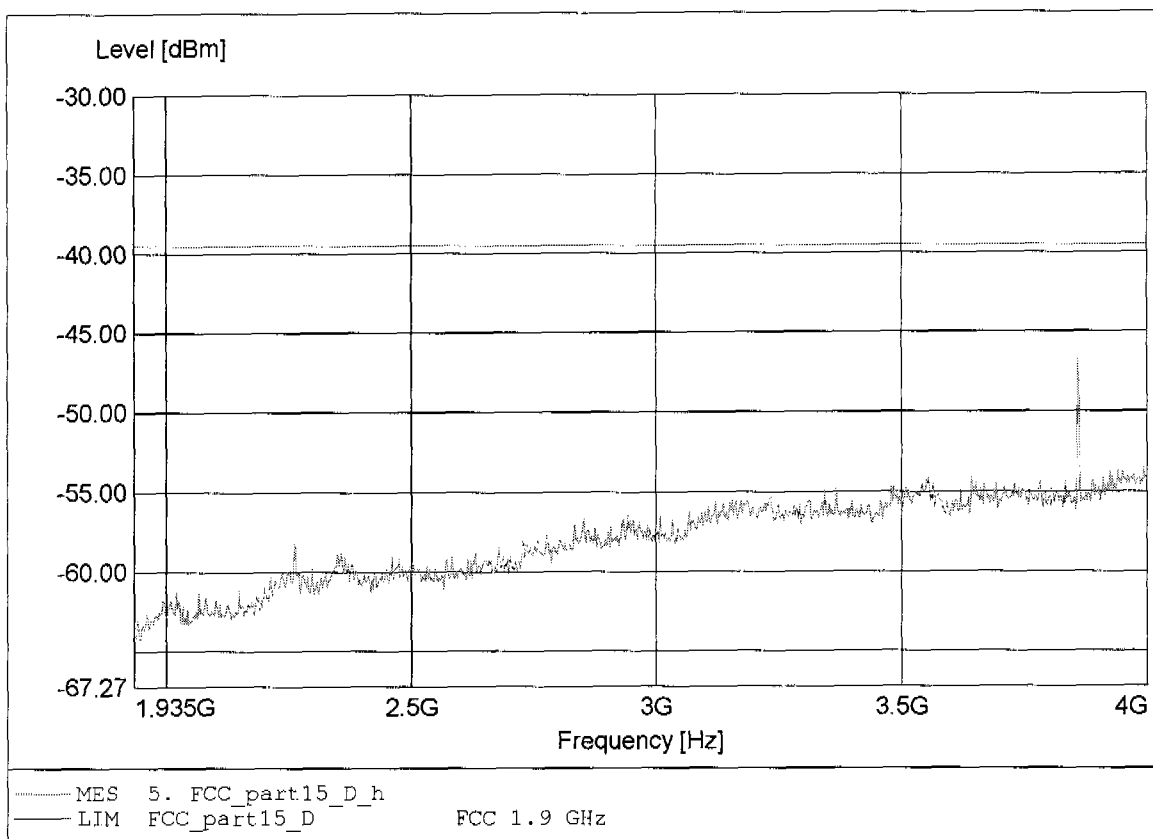




**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

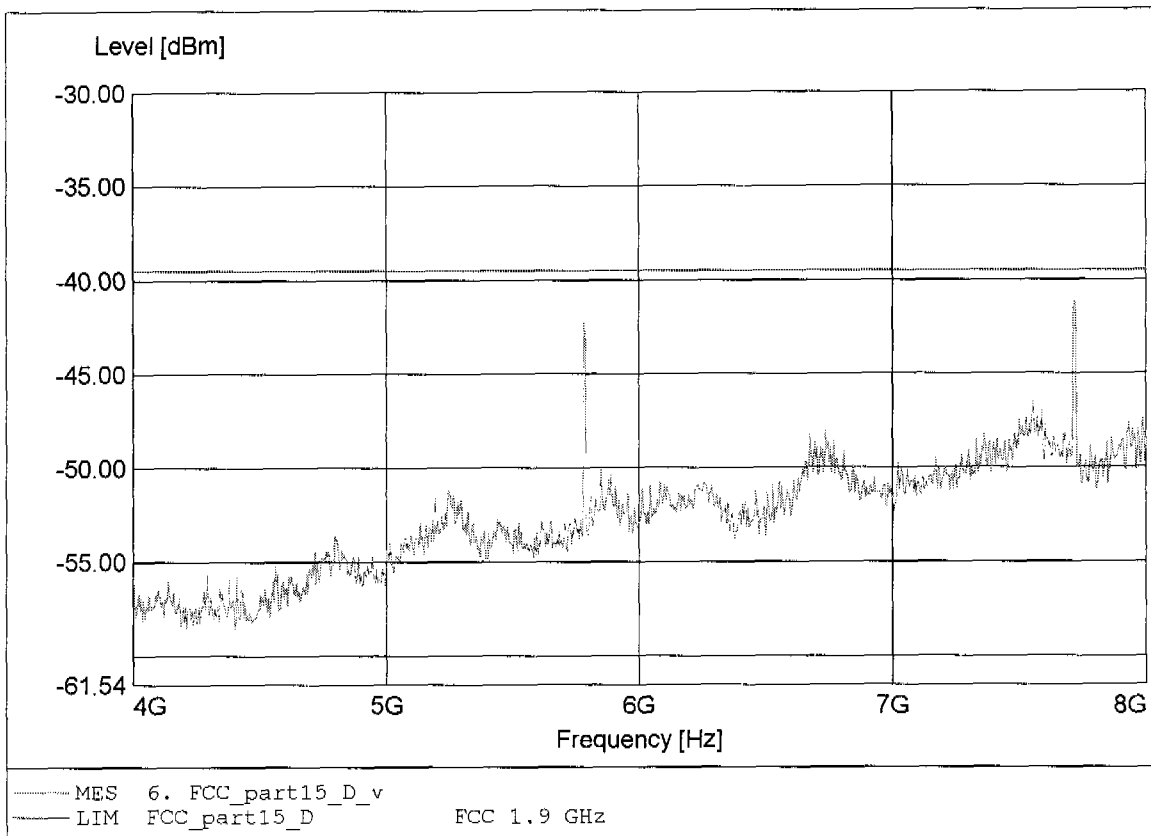
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1928,448 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:3.858GHz Pmax:-46.82dBm RBW: 1 MHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

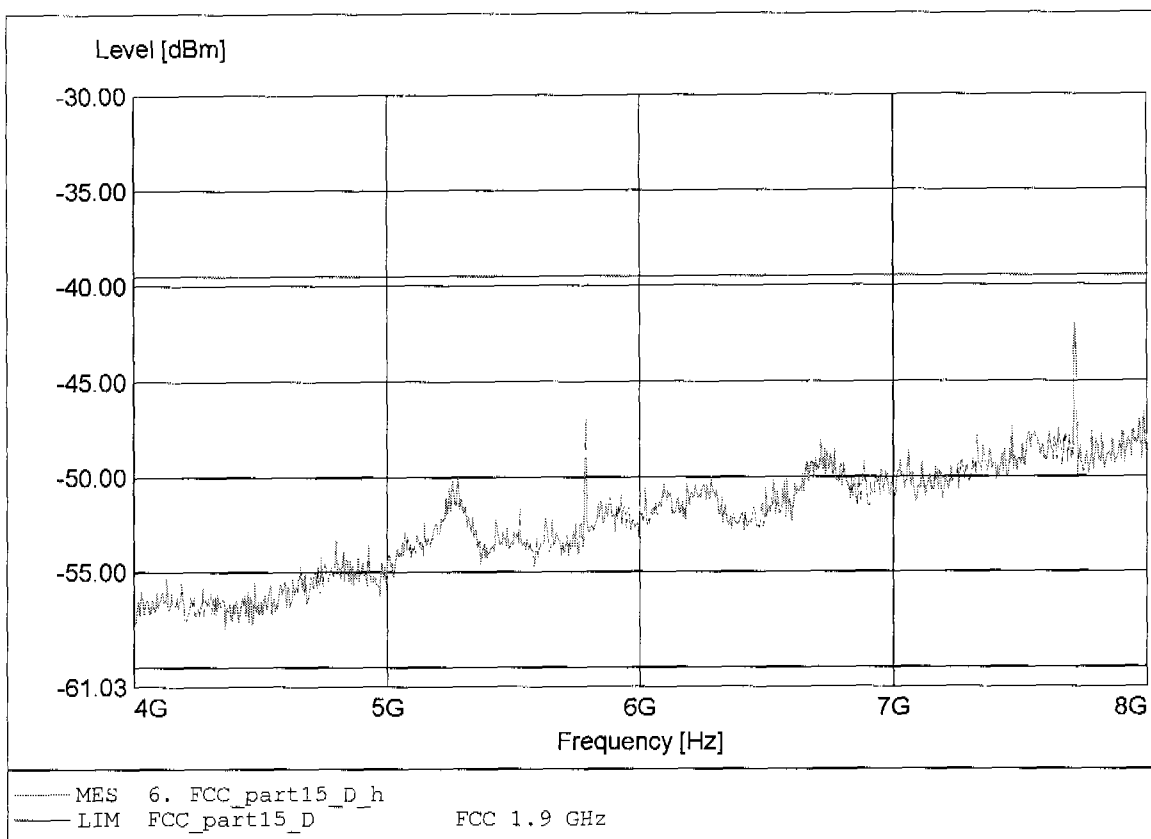
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1928,448 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, HP+ampl.  
Comment 2: Freq:7.711GHz Pmax:-41.09dBm RBW: 1 MHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

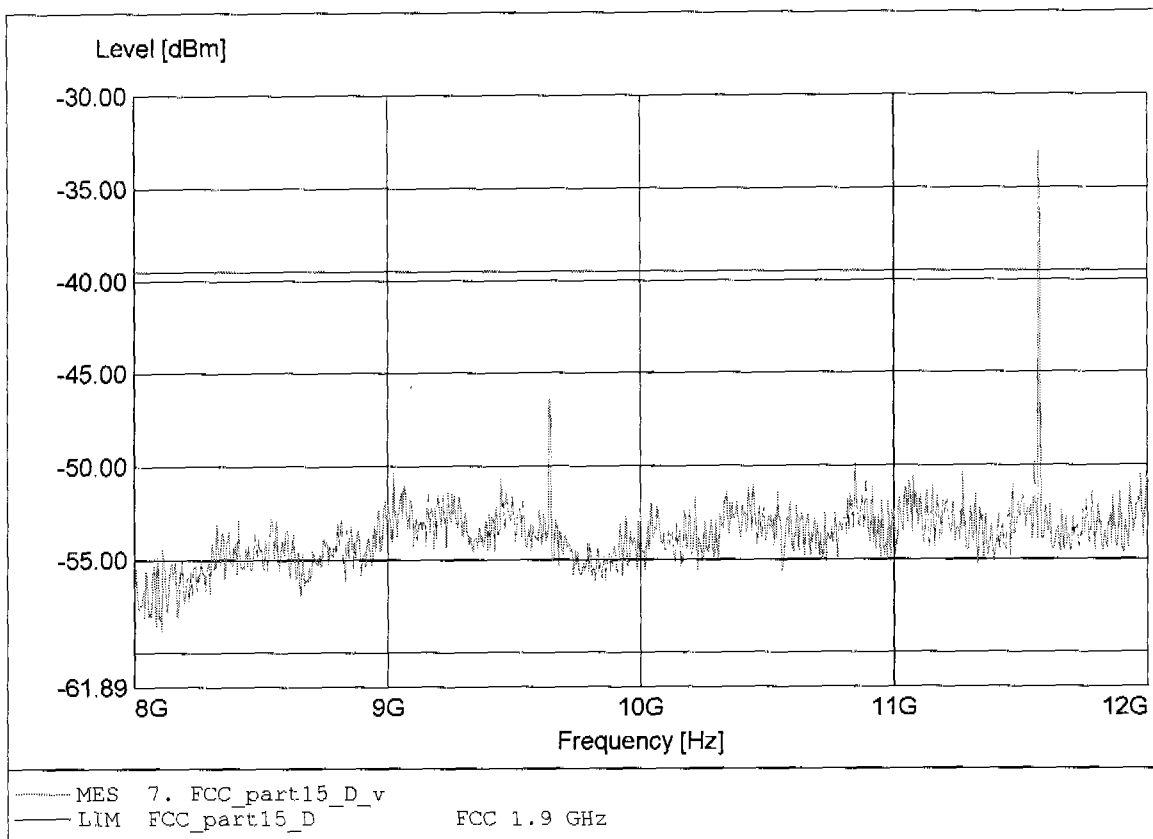
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1928,448 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, HP+ampl.  
Comment 2: Freq:7.711GHz Pmax:-41.91dBm RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

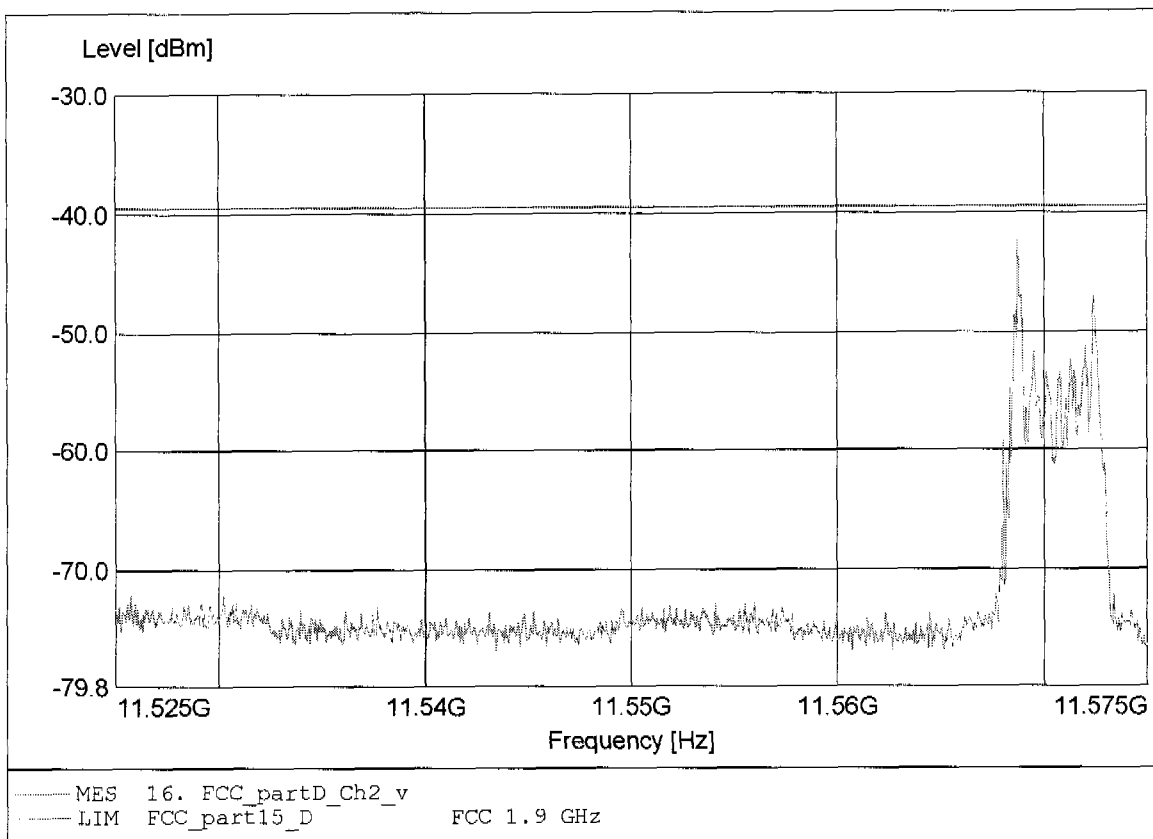
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1928,448 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, HP+ampl.  
Comment 2: Freq:11.569GHz Pmax:-33.06dBm RBW: 1 MHz



**Spurious emissions under normal conditions**

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

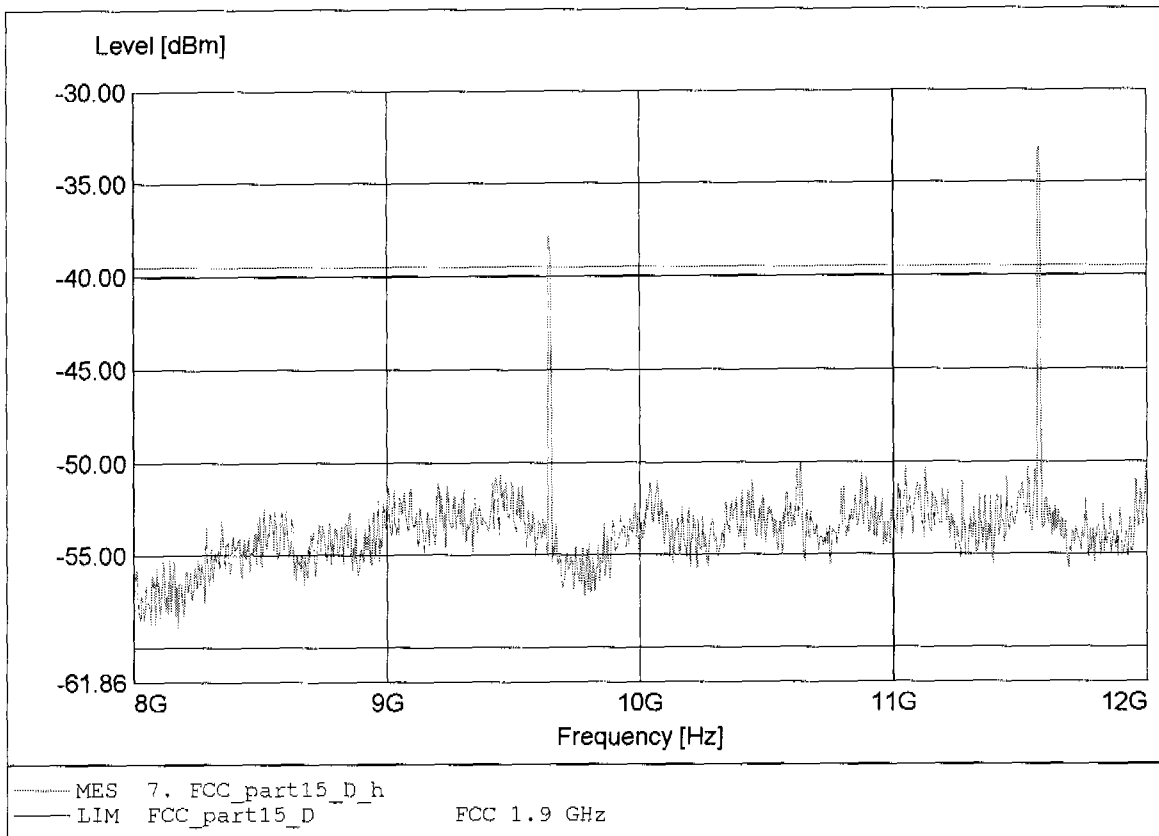
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1928.448 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:11.569GHz Pmax:-42.33dBm RBW:10 kHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

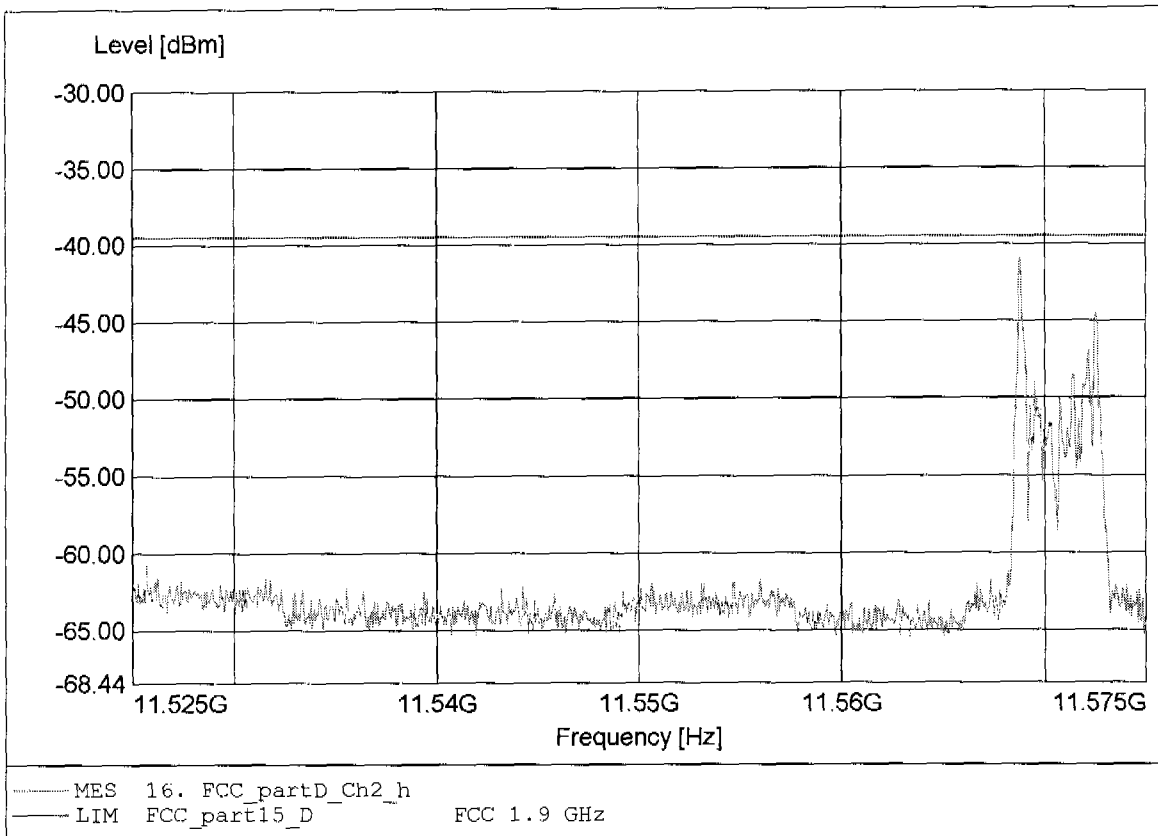
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1928,448 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, HP+ampl.  
Comment 2: Freq:11.573GHz Pmax:-33.11dBm RBW: 1 MHz



**Spurious emissions under normal conditions**

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

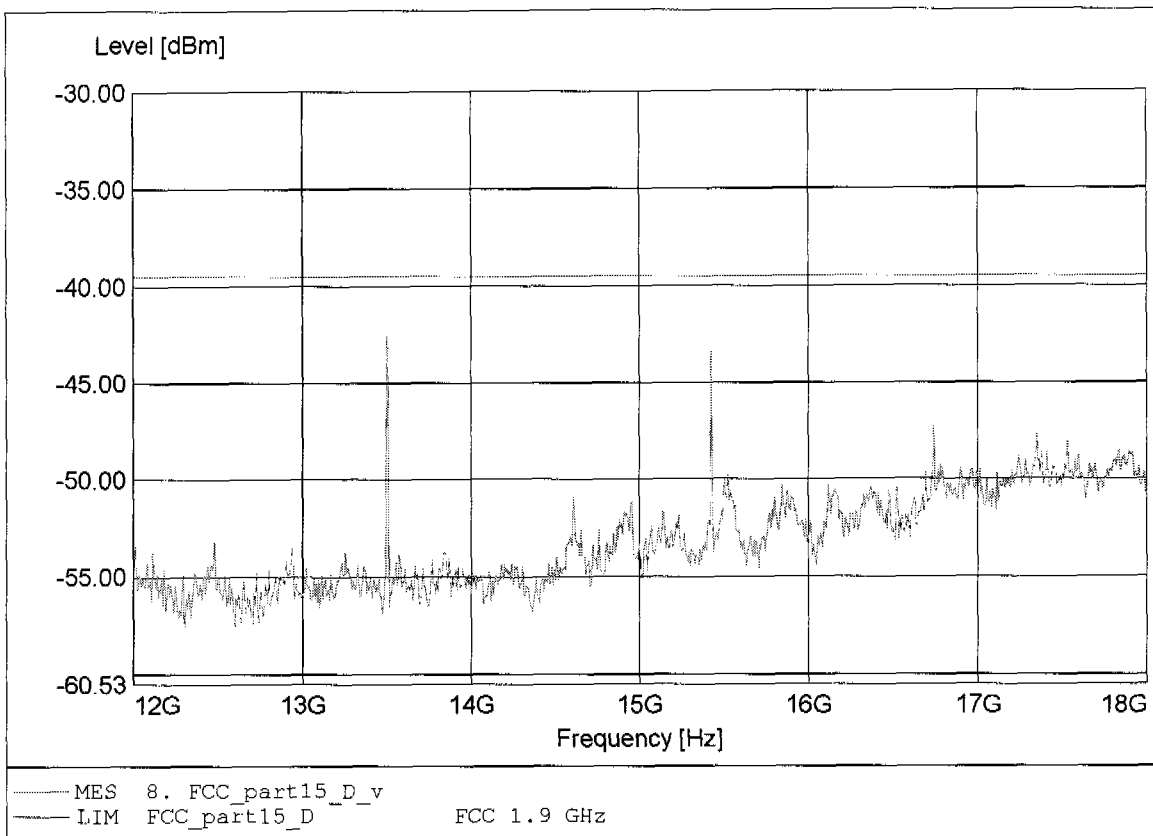
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1928.448 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:11.569GHz Pmax:-40.94dBm RBW:10 kHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1928.448 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, HP+ampl.  
Comment 2: Freq:13.500GHz Pmax:-42.62dBm RBW: 1 MHz

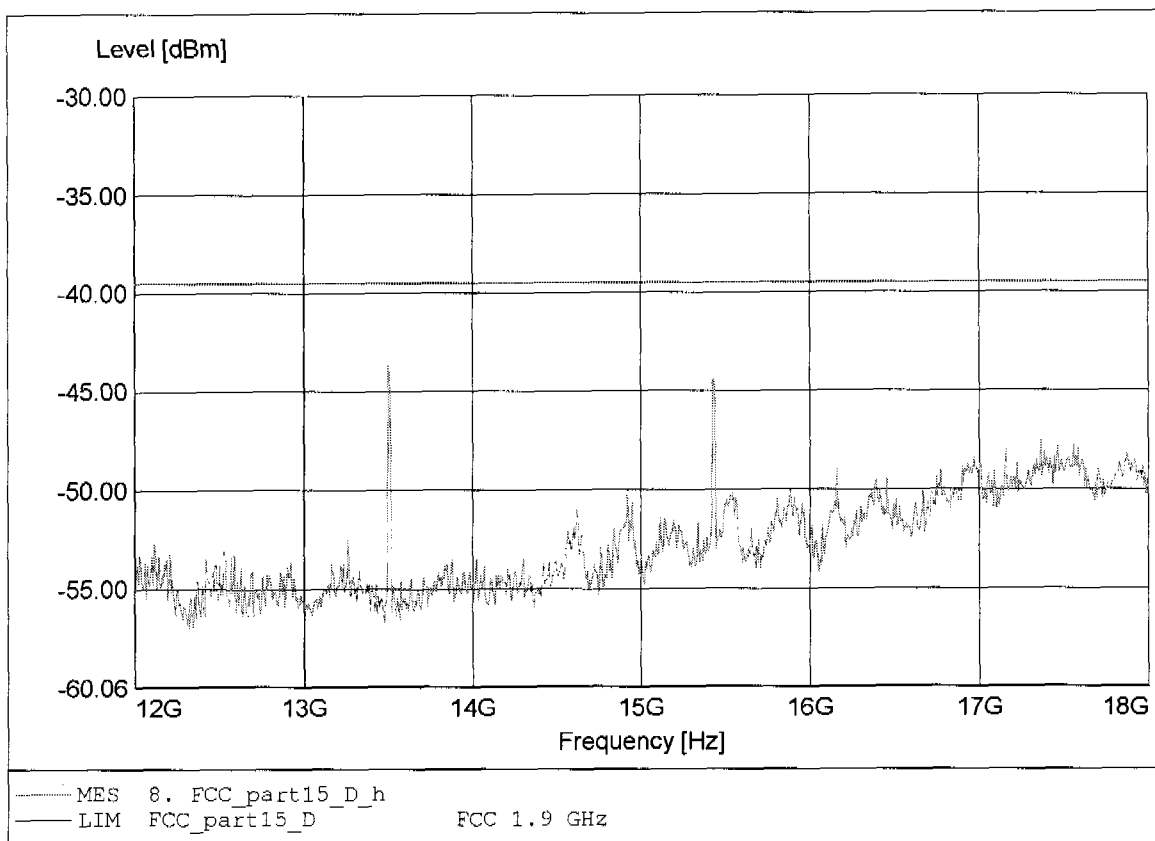




Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

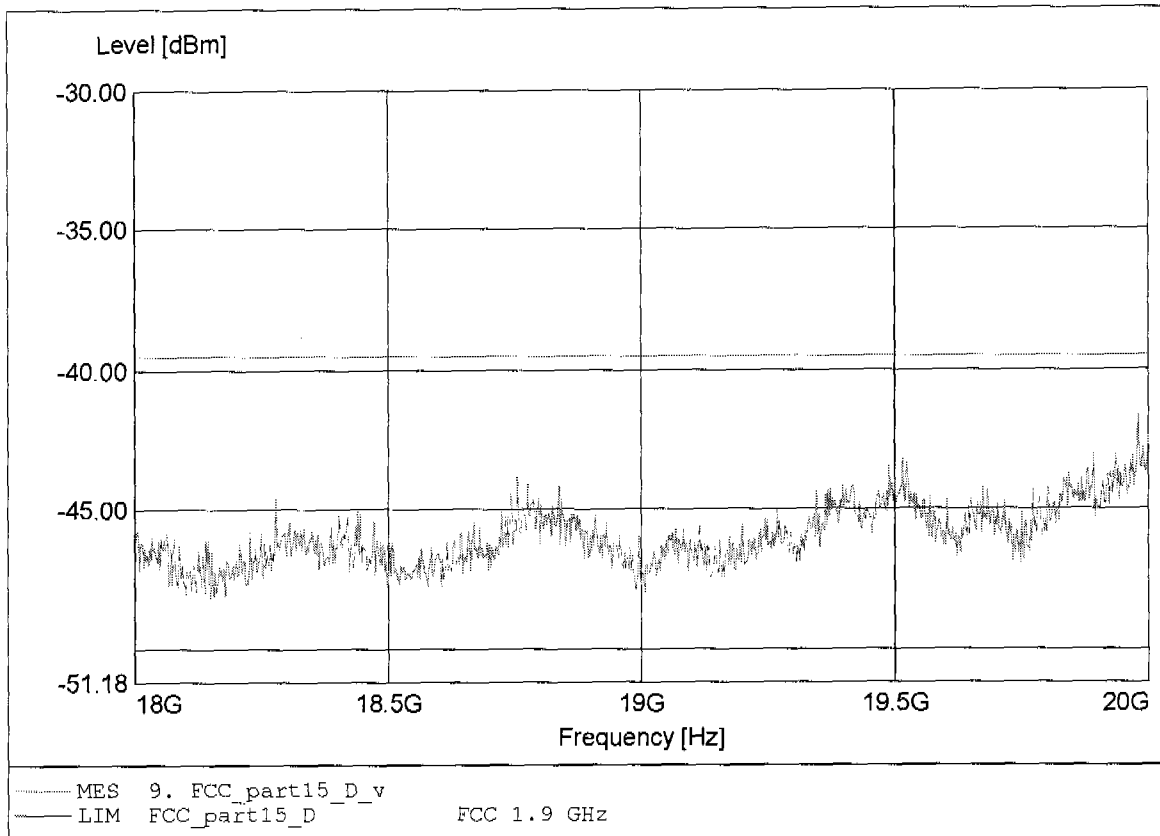
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1928.448 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, HP+ampl.  
Comment 2: Freq:13.500GHz Pmax:-43.69dBm RBW: 1 MHz



*Spurious emissions under normal conditions*

**FCC RULES PART 15, SUBPART D**

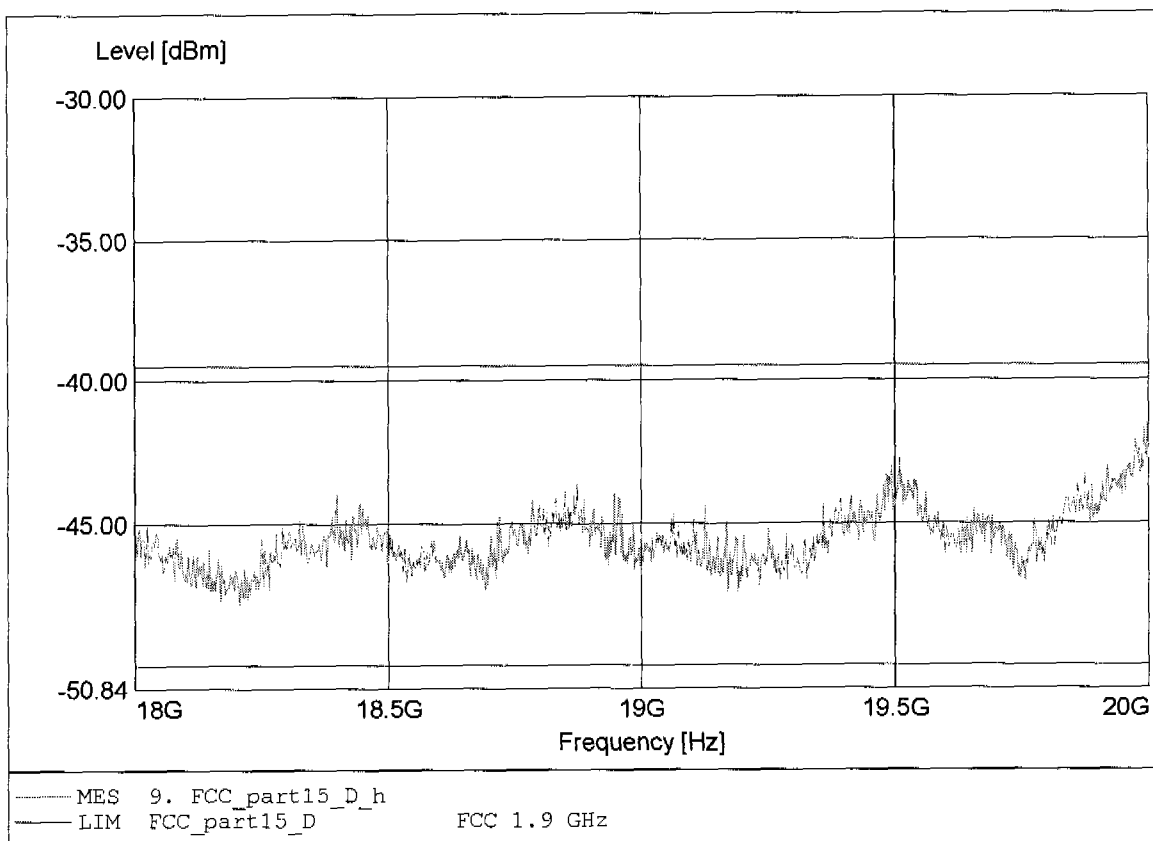
Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1928.448 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.: 18-26 GHz  
Comment 2: Freq:19.980GHz Pmax:-41.63dBm RBW: 1 MHz



**Spurious emissions under normal conditions**

**FCC RULES PART 15, SUBPART D**

Approval Holder: KIRK telecom A/S  
EUT : 1,9 GHz Communication System (Portable Part)  
Model: PP3N 1G9 / 1928.448 MHz  
Test Site / Operator: ETS / Mr. Treffke  
Temperature/ Voltage: 25°C / 3.6 V (rechargeable battery)  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.: 18-26 GHz  
Comment 2: Freq:19.998GHz Pmax:-41.58dBm RBW: 1 MHz





## Appendix T

Frame period



### Frame Repetition Stability / Frame Period and Jitter

Tested according ANSI C63.17-1998 Section 6.2.3 / 6.2.4

Measurement results Portable Part

Test Performed	Criteria
Frame Period	10 ms
Frame repetition stability	10 ppm
Jitter	25 µs

#### Frame Repetition Stability

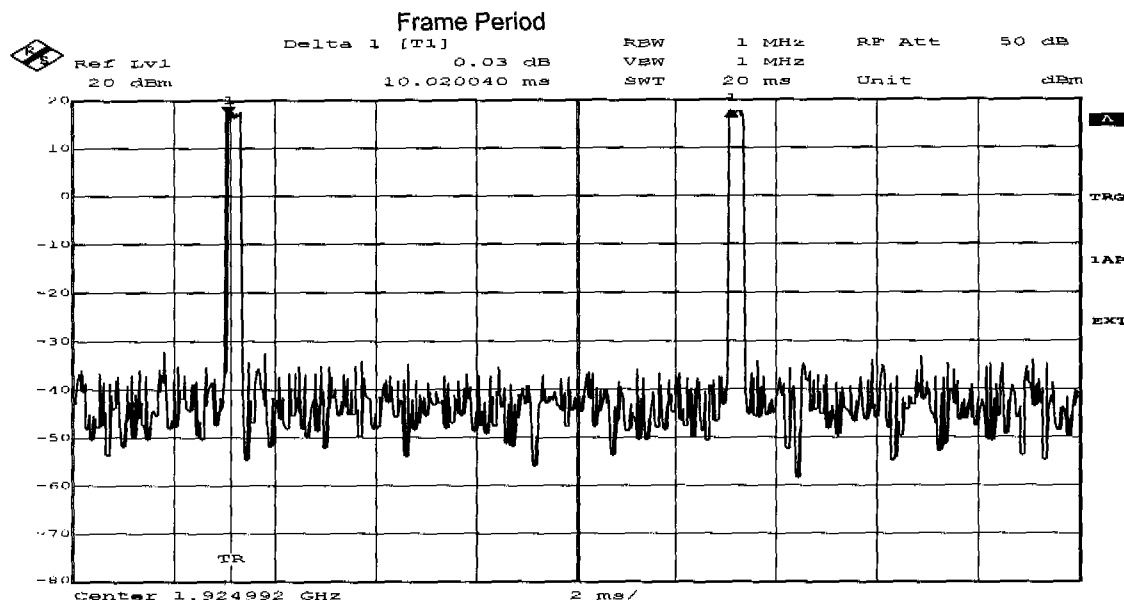
Frequency (MHz)	Standard Deviation (Hz)	Mean (Hz)	Frame Repetition Stability (ppm)
1924,992	1,92927E-06	99,99999837	0,058

Frame Repetition Stability =  $3 * \text{Standard Deviation} / \text{Frame Rate} * 10E06$

#### Jitter Measurement

Frequency (MHz)	Standard Deviation (µs)	Mean (ms)	Jitter (µs)
1924,992	0,156	10,00000016	0,468

Jitter =  $3 * \text{Standard Deviation}$



Title: Frame Periode DECT FP  
Date: 21.JUL.2005 19:40:48



## Appendix U

Frequency stability



**Frequency Stability § 15.323 (f)**

Tested according ANSI C63.17-1998 Section 6.2.3 / 6.2.4

Measurement results Portable Part

Temp °C	Supply Voltage	Frequency of carrier (MHz)	delta f(min) (KHz)	delta f(max) (KHz)	maximum delta f (ppm)	Mean (MHz)	Deviation ppm
20	Vnom	1924,992	-61,378	2,562	-31,88	1924,960837	Reference
-10	Vnom	1924,992	-46,646	23,307	-24,23	1924,978135	-8,99
55	Vnom	1924,992	-78,659	52,07	-40,86	1924,950845	5,19

Limit : 10 ppm

$$Deviation\ ppm = \frac{FR - FM}{FR} * 10^6$$

FR = Reference frequency of carrier at 20°C and Vnom

FM = Measured frequency of carrier

