

## **Appendix S**

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                  | GN9300 UPCS Headset               |
| Model                | GN9300                            |
| Applicant            | RTX Telecom A/S                   |
| Temperature          | 23°C                              |
| Test Site / Operator | ETS Reichenwalde                  |
| Test Specification   | 6.1.6.1 In-band unwanted emission |

1.426MHz



In-band unwanted emis

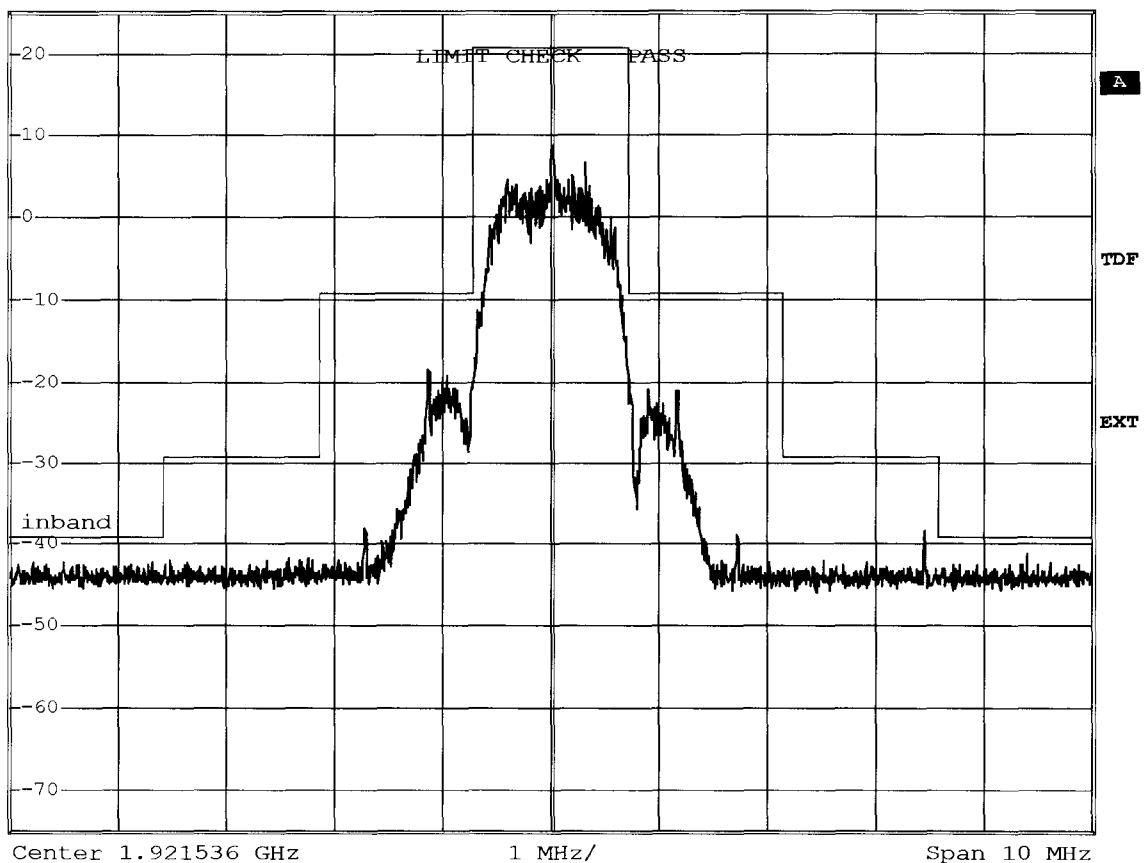
\*RBW 10 kHz

\*VBW 30 kHz

\*SWT 23 s

Ref 25 dBm

\*Att 40 dB

1 PK  
MAXH

Comment: Ansi C63.17-1998 6.1.6.1

Date: 24.SEP.2005 13:48:24

Measurement diagram

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

Testprocedure ANSI 63.17-1998 6.1.6.1  
UPCS

|                      |                                   |
|----------------------|-----------------------------------|
| EUT                  | GN9300 UPCS Headset               |
| Model                | GN9300                            |
| Applicant            | RTX Telecom A/S                   |
| Temperature          | 23°C                              |
| Test Site / Operator | ETS Reichenwalde                  |
| Test Specification   | 6.1.6.1 In-band unwanted emission |

1.426MHz



In-band unwanted emis

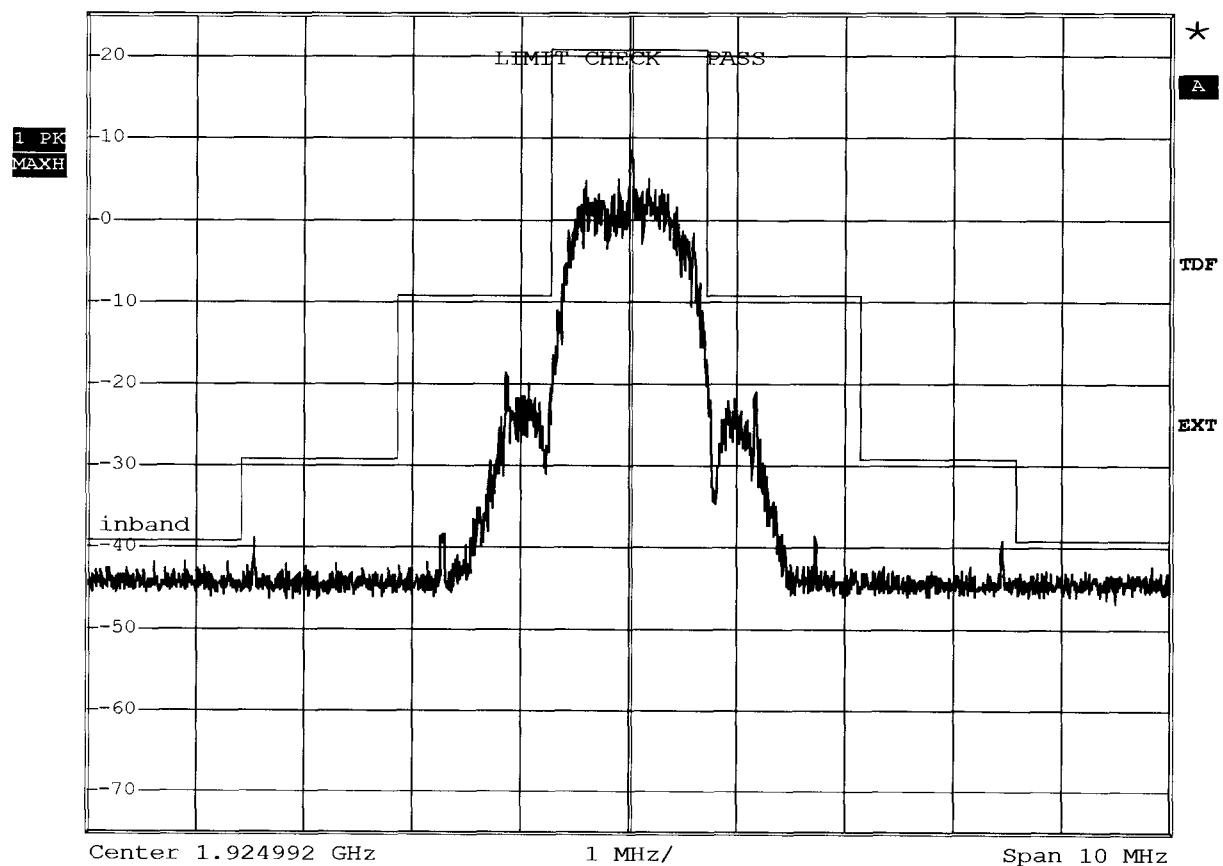
\*RBW 10 kHz

\*VBW 30 kHz

\*SWT 23 s

Ref 25 dBm

\*Att 40 dB



Comment: Ansi C63.17-1998 6.1.6.1

Date: 24.SEP.2005 13:49:48

Measurement diagram

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

## Testprocedure ANSI 63.17-1998 6.1.6.1 UPCS

|                      |                                   |
|----------------------|-----------------------------------|
| EUT                  | GN9300 UPCS Headset               |
| Model                | GN9300                            |
| Applicant            | RTX Telecom A/S                   |
| Temperature          | 23°C                              |
| Test Site / Operator | ETS Reichenwalde                  |
| Test Specification   | 6.1.6.1 In-band unwanted emission |

1.426MHz



In-band unwanted emis

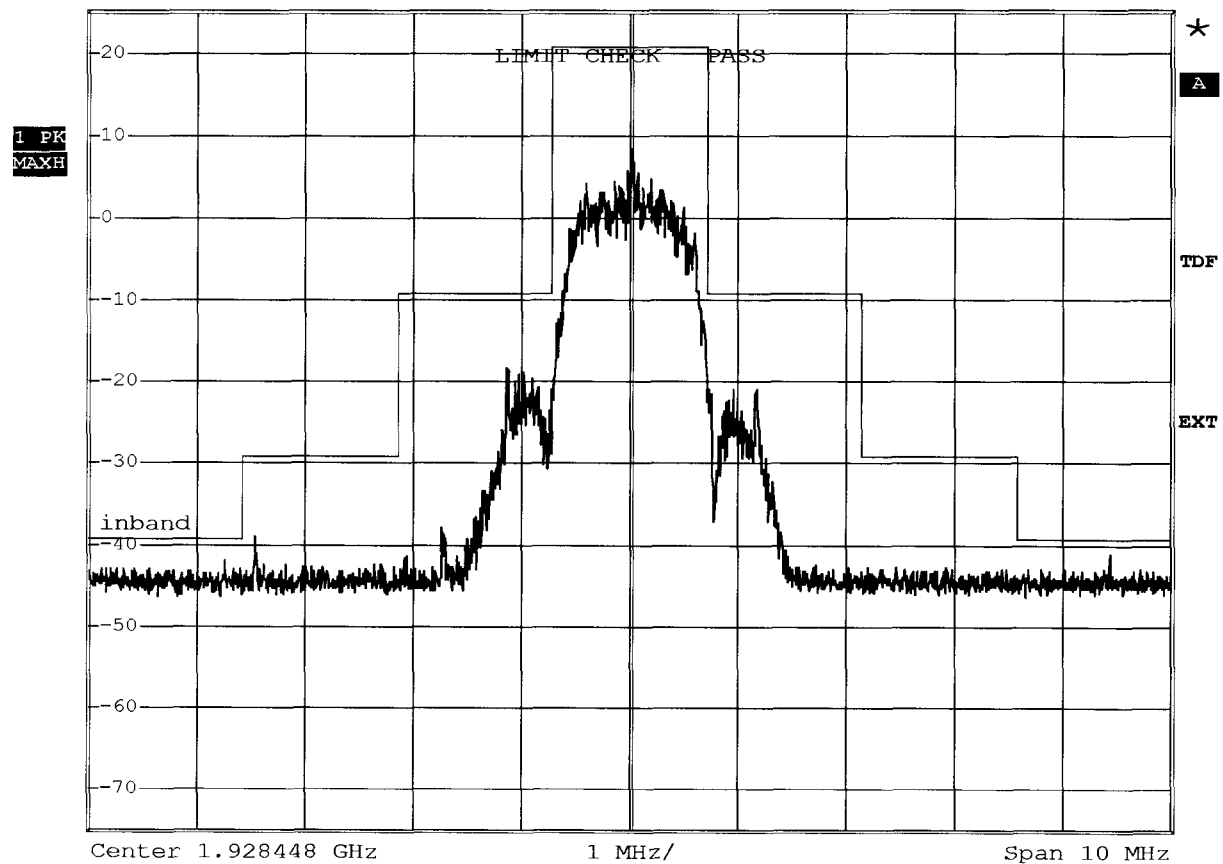
\*RBW 10 kHz

\*VBW 30 kHz

\*SWT 23 s

Ref 25 dBm

\*Att 40 dB



Comment: Ansi C63.17-1998 6.1.6.1

Date: 24.SEP.2005 13:50:55

Measurement diagram

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

## Testprocedure ANSI 63.17-1998 6.1.6.2 UPCS

|                      |                              |
|----------------------|------------------------------|
| EUT                  | GN9300 UPCS Headset          |
| Model                | GN9300                       |
| Applicant            | RTX 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

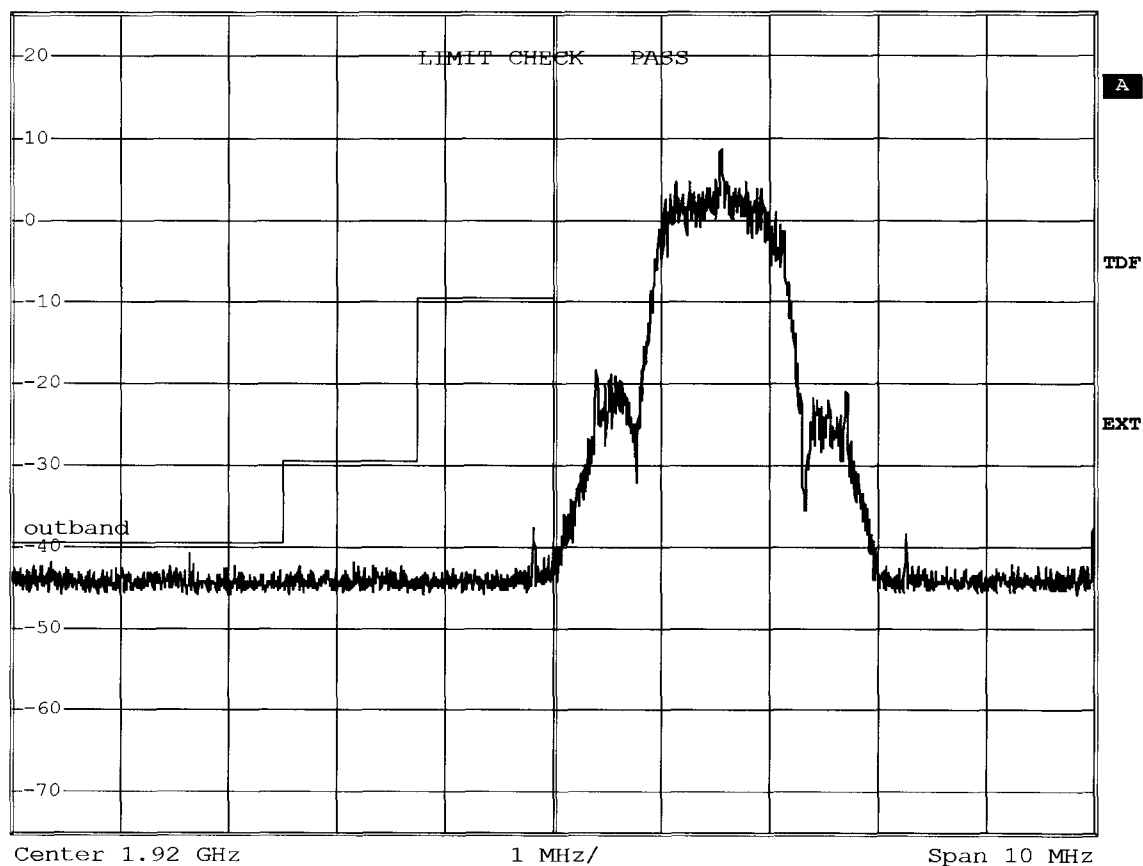
\*VBW 30 kHz

\*SWT 23 s

Ref 25 dBm

\*Att 40 dB

1 PK  
MAXH



Comment: Ansi C63.17-1998 6.1.6.2

Date: 24.SEP.2005 13:53:38

Measurement diagram

**FCC Part 15.323(d.1) Out-of-band emission****Testprocedure ANSI 63.17-1998 6.1.6.2  
UPCS**

|                      |                              |
|----------------------|------------------------------|
| EUT                  | GN9300 UPCS Headset          |
| Model                | GN9300                       |
| Applicant            | RTX 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

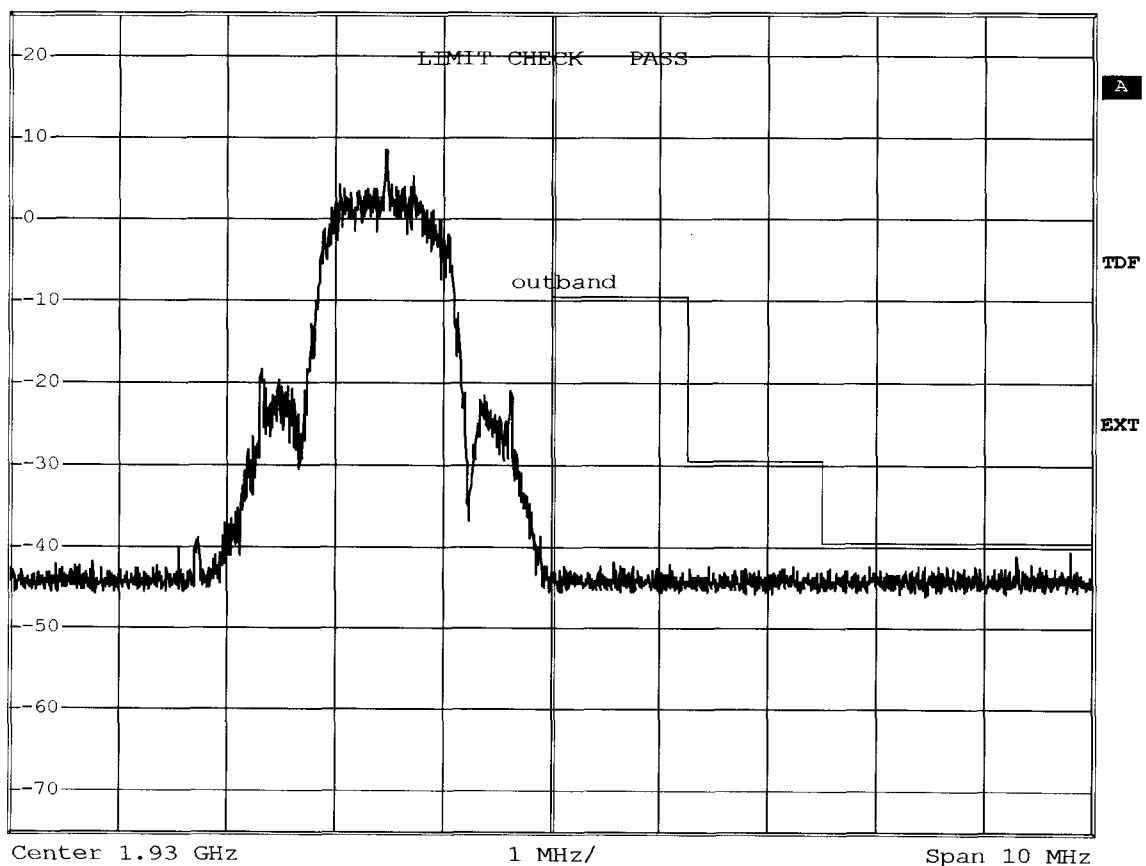
\*RBW 10 kHz

\*VBW 30 kHz

\*SWT 23 s

Ref 25 dBm

\*Att 40 dB

1 PK  
MAXH

Comment: Ansi C63.17-1998 6.1.6.2

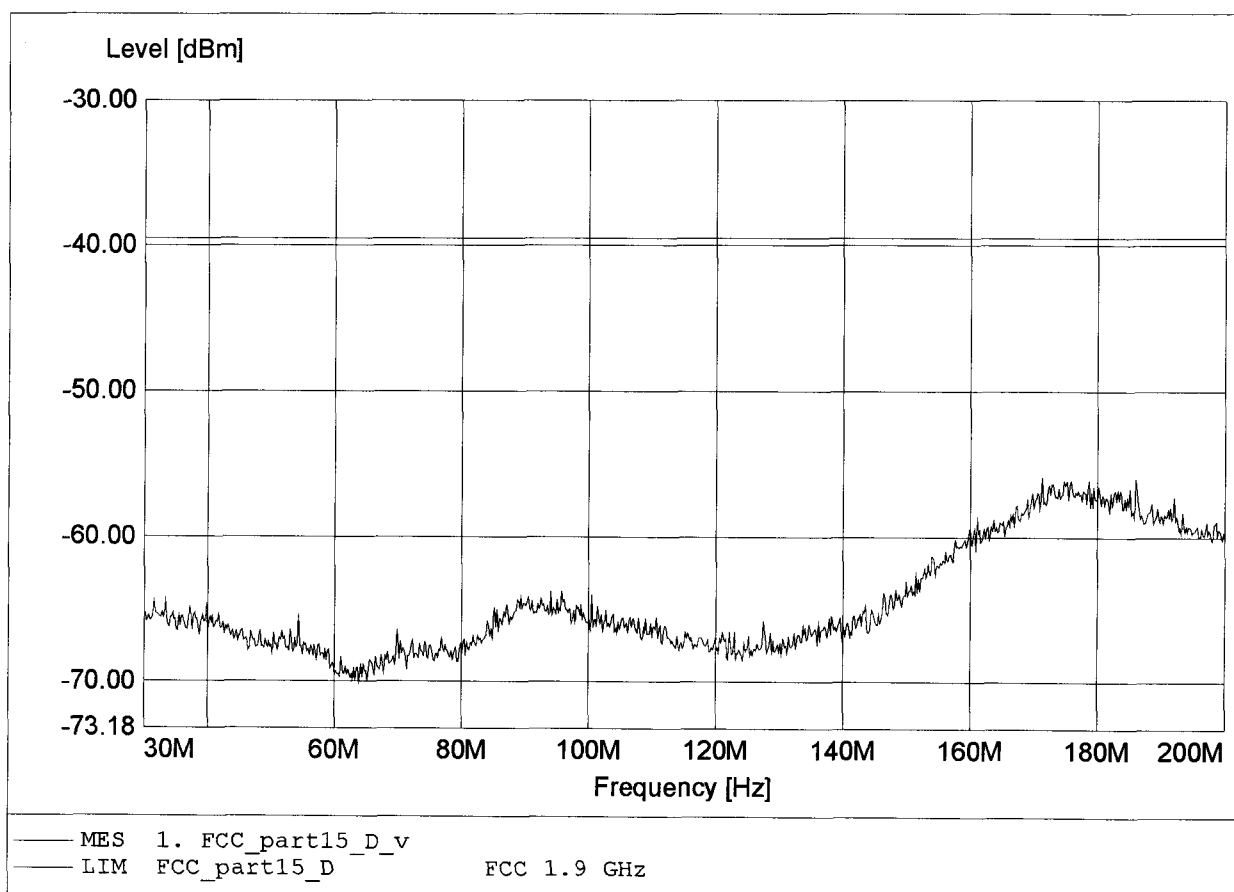
Date: 24.SEP.2005 13:55:05

Measurement diagram

# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

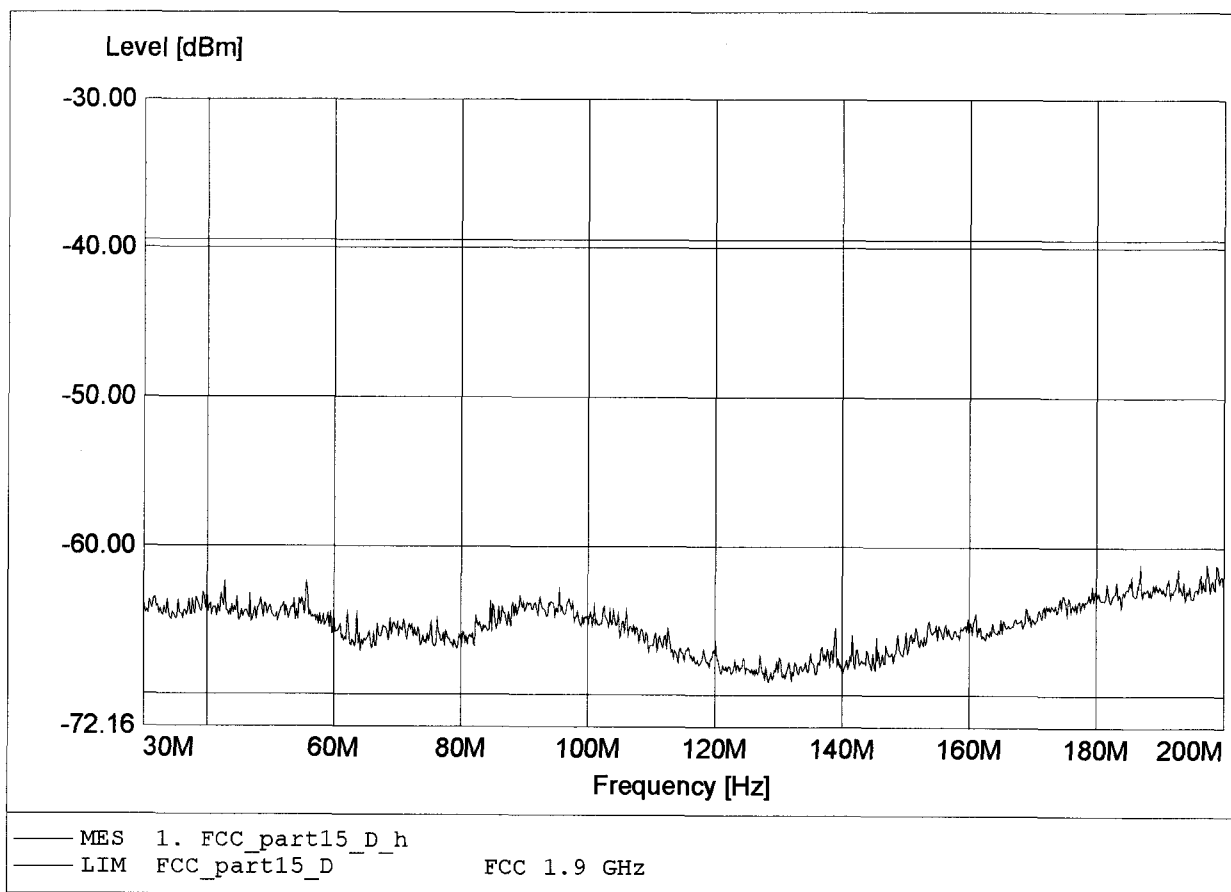
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 0  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HK 116,  
Comment 2: Freq:171.289MHz Pmax:-55.81dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

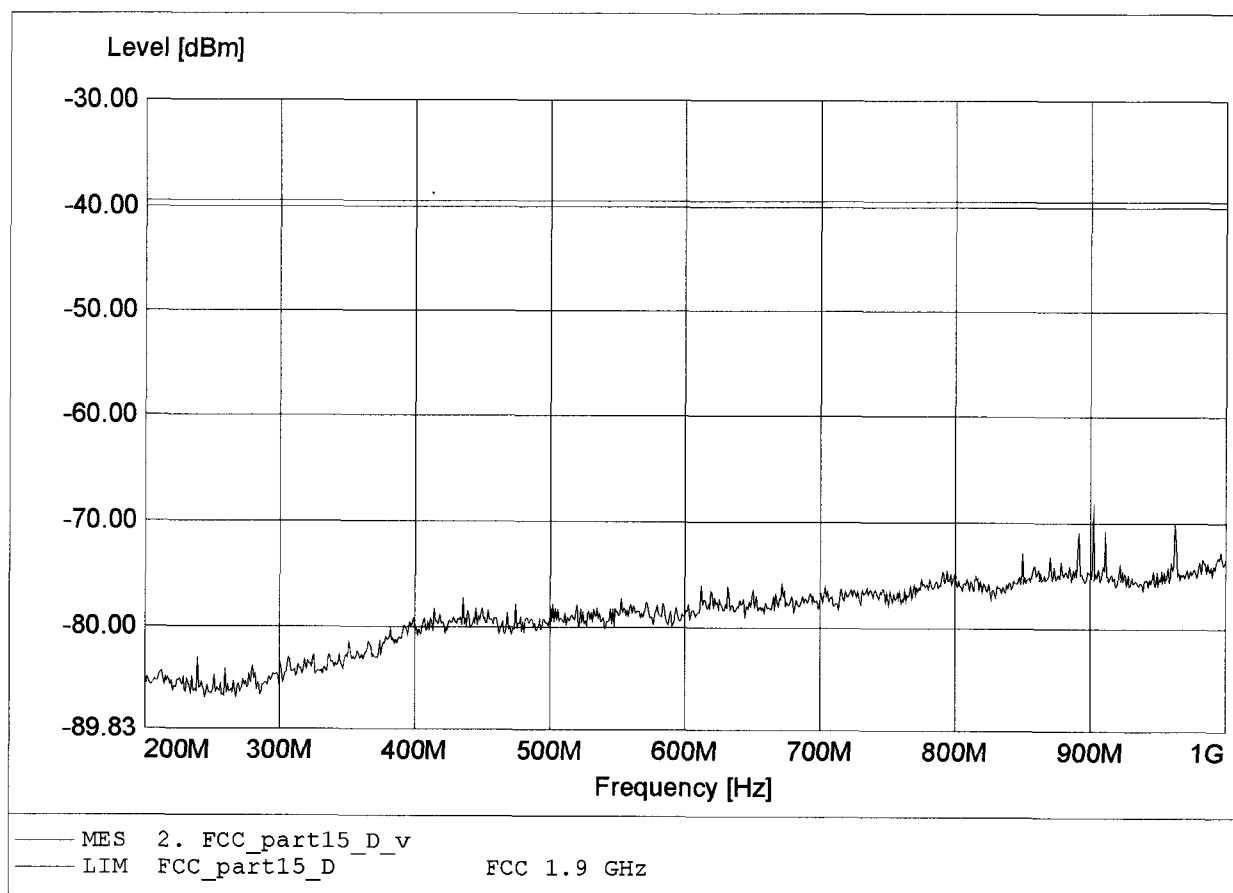
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 0  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HK 116,  
Comment 2: Freq:197.356MHz Pmax:-61.09dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

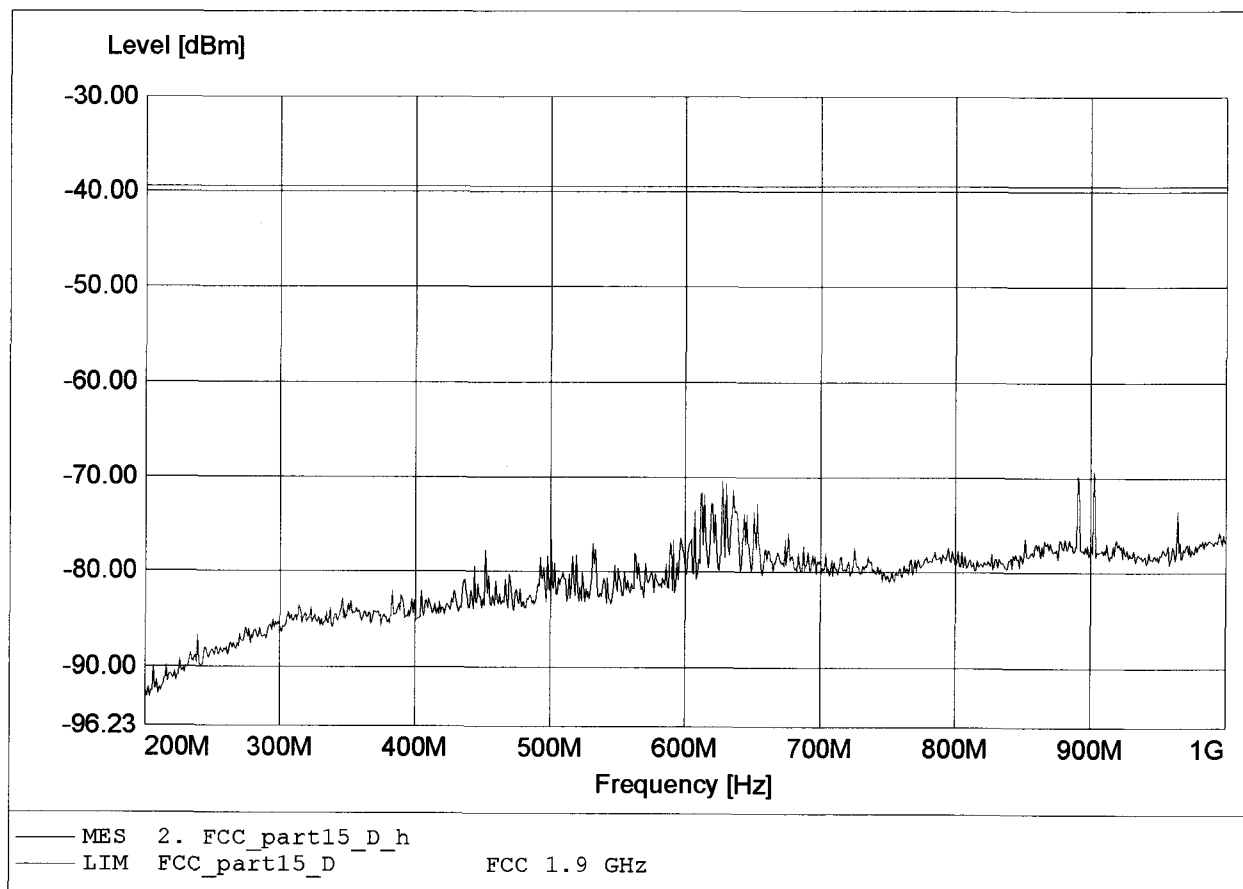
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 0  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq:902.222MHz Pmax:-68.22dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

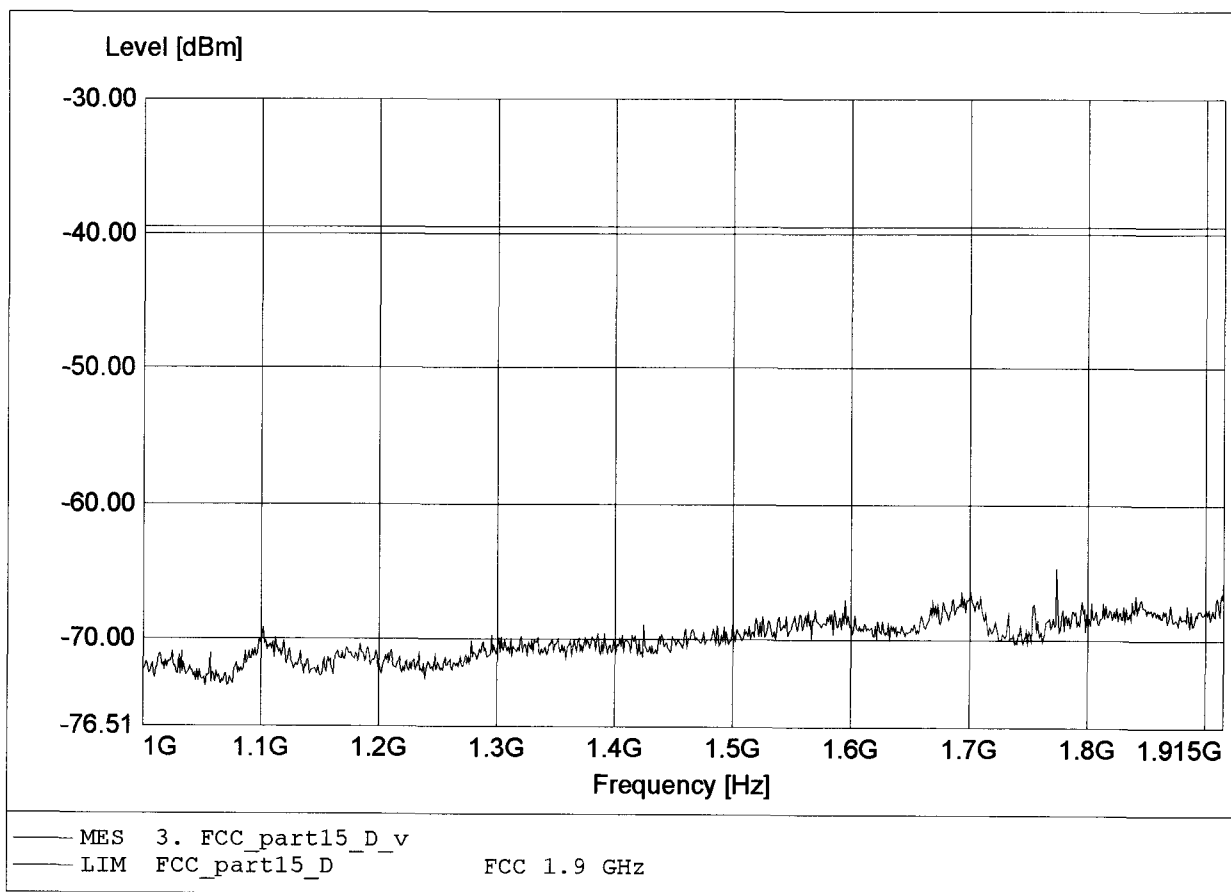
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 0  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq:902.222MHz Pmax:-69.35dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

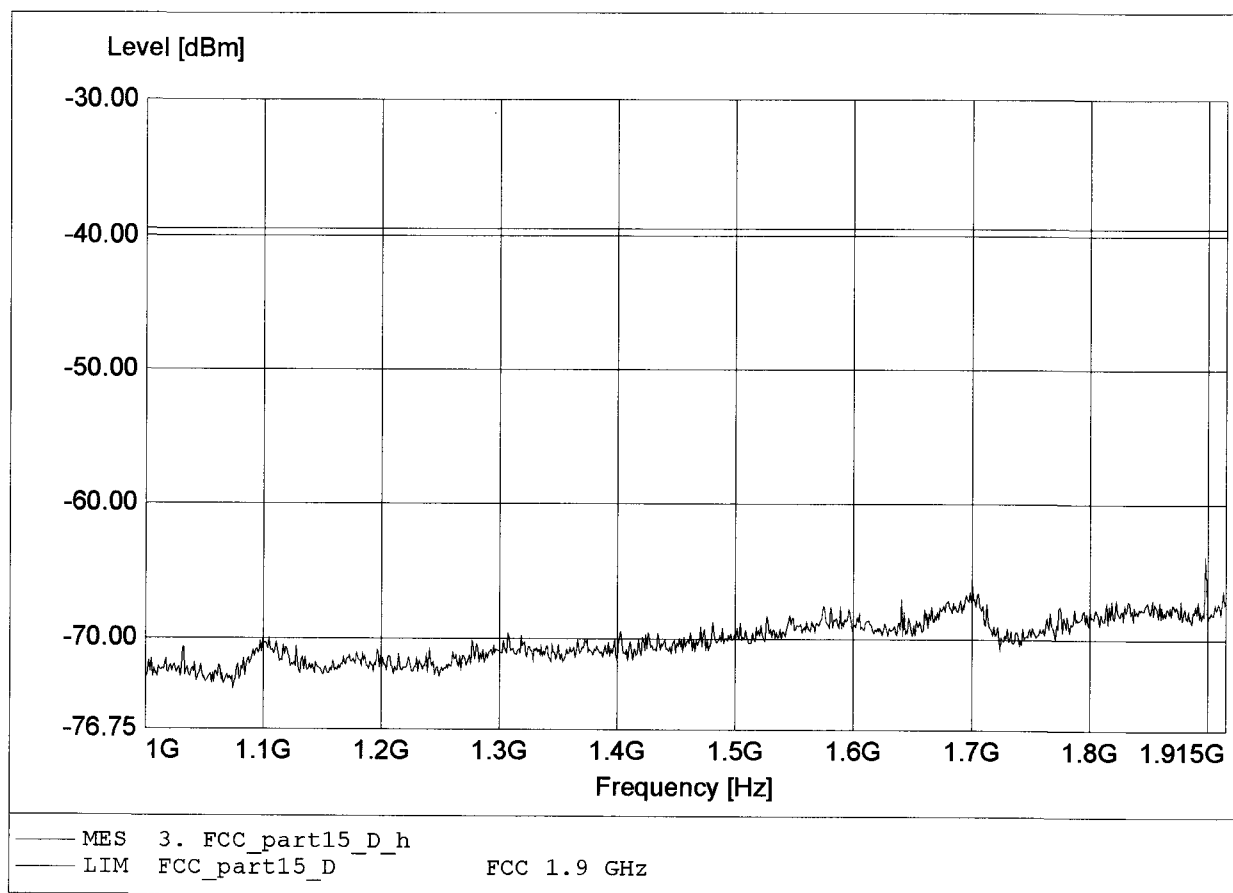
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 0  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.  
Comment 2: Freq:1.774GHz Pmax:-64.63dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 0  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.  
Comment 2: Freq:1.898GHz Pmax:-63.82dBm RBW: 100 kHz



# Spurious emissions under normal conditions

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

Type approval holder: RTX Telecom A/S

EUT : GN9300 UPCS Headset

Model: GN9300 / Ch.: 0

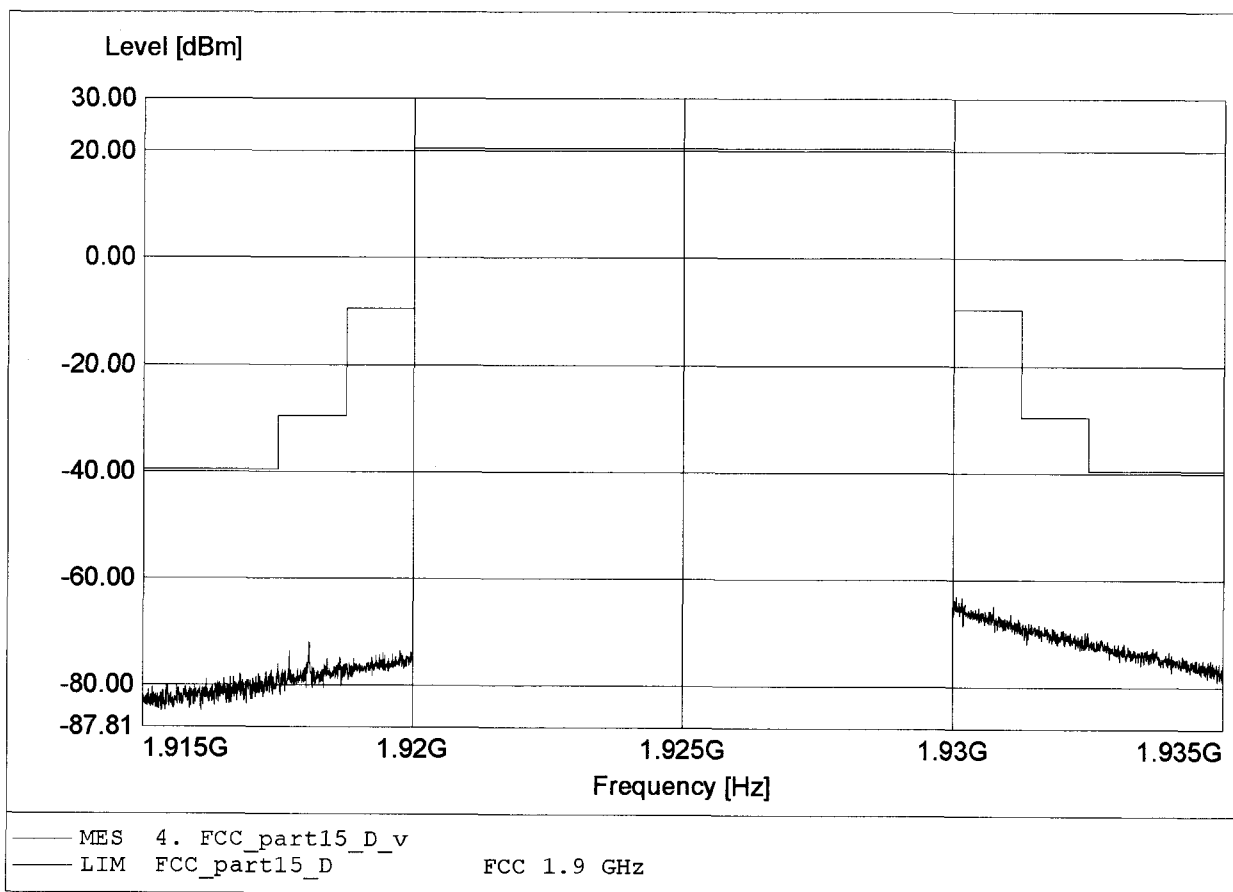
Test Site / Operator: ETS / Mr. Cersovsky

Temperature/ Voltage: 23°C / 3,6 V-

Test Specification: Fully anechoic chamber / mode: Tx

Comment 1: Dist.: 1m, Ant.: HL 025, ampl.

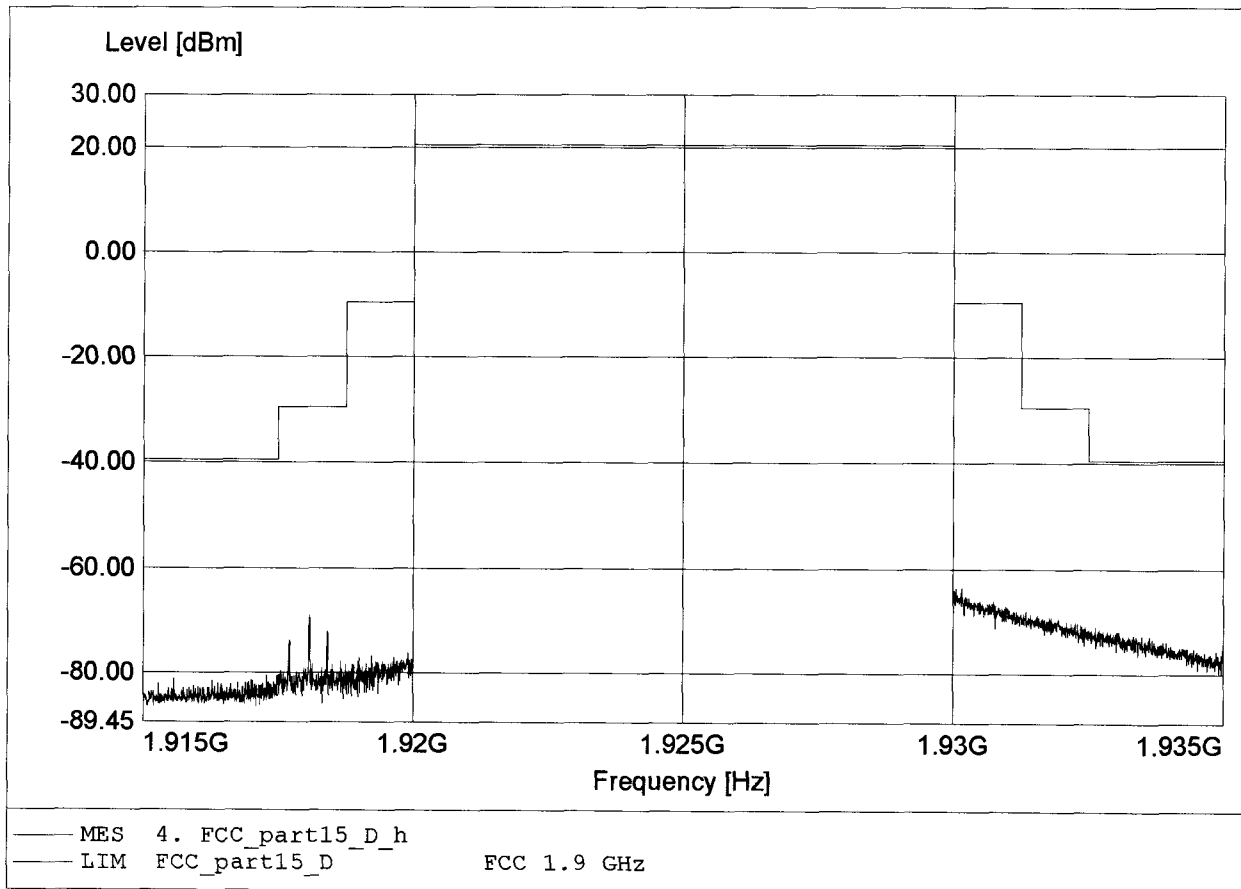
Comment 2: Freq:1.930GHz Pmax:-63.12dBm RBW: 10 kHz



# Spurious emissions under normal conditions

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

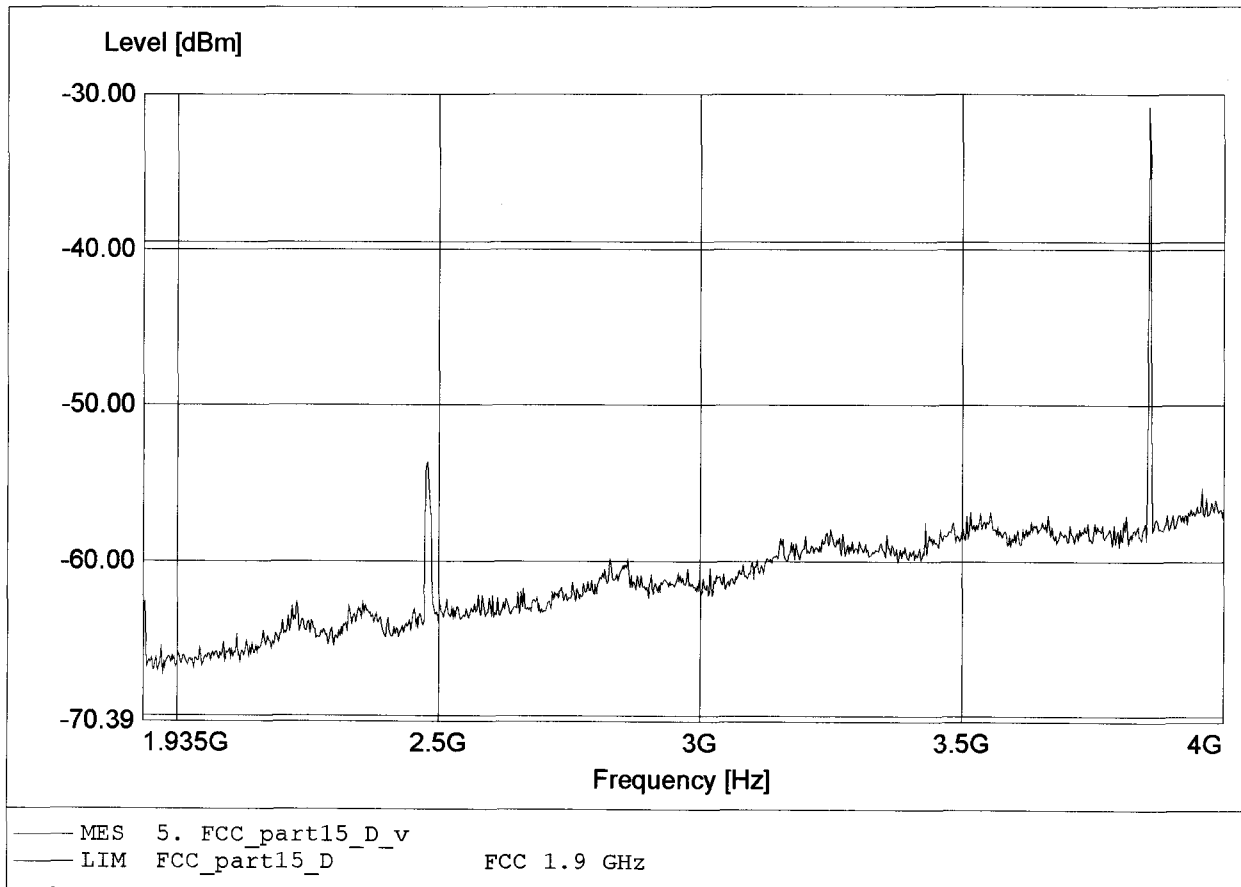
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 0  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.  
Comment 2: Freq:1.930GHz Pmax:-63.45dBm RBW: 10 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

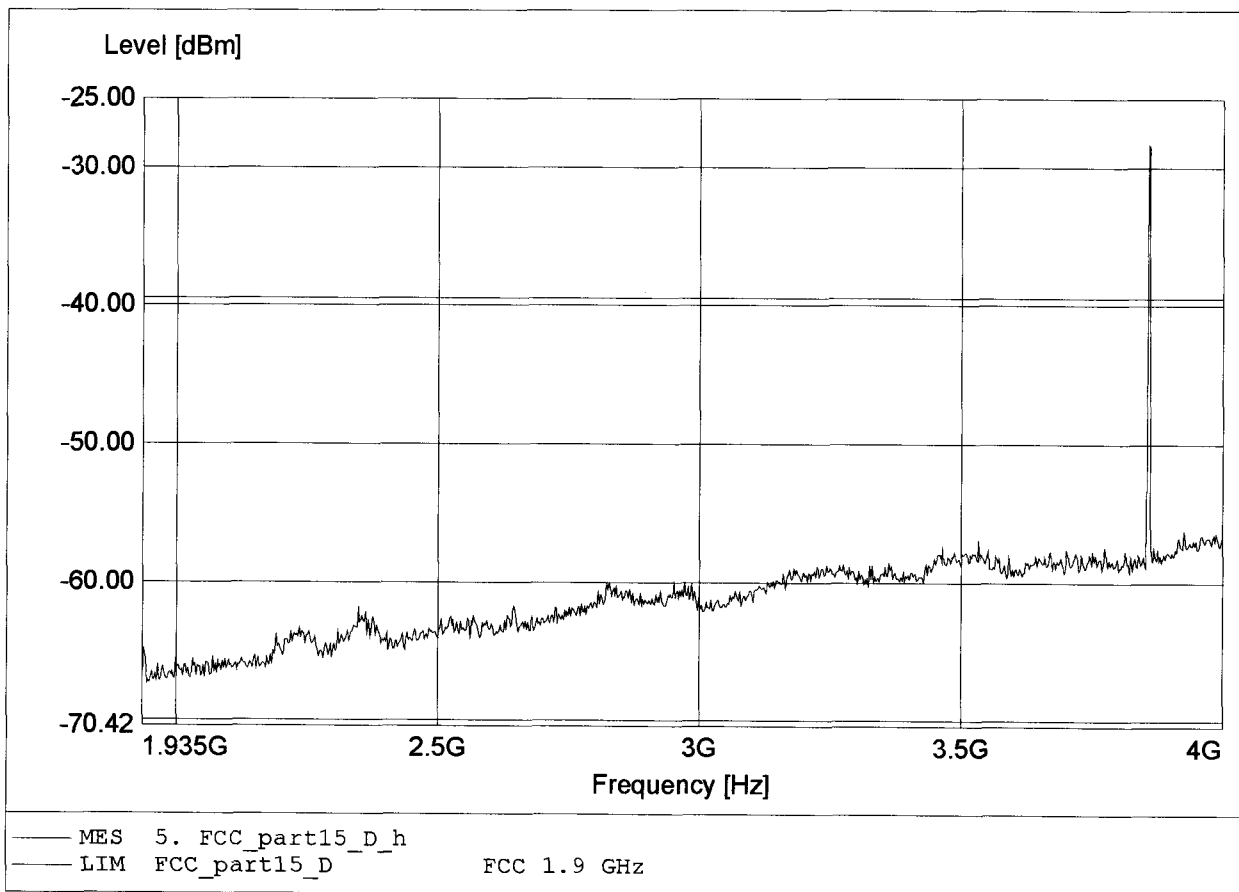
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 0  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.  
Comment 2: Freq:3.858GHz Pmax:-30.77dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

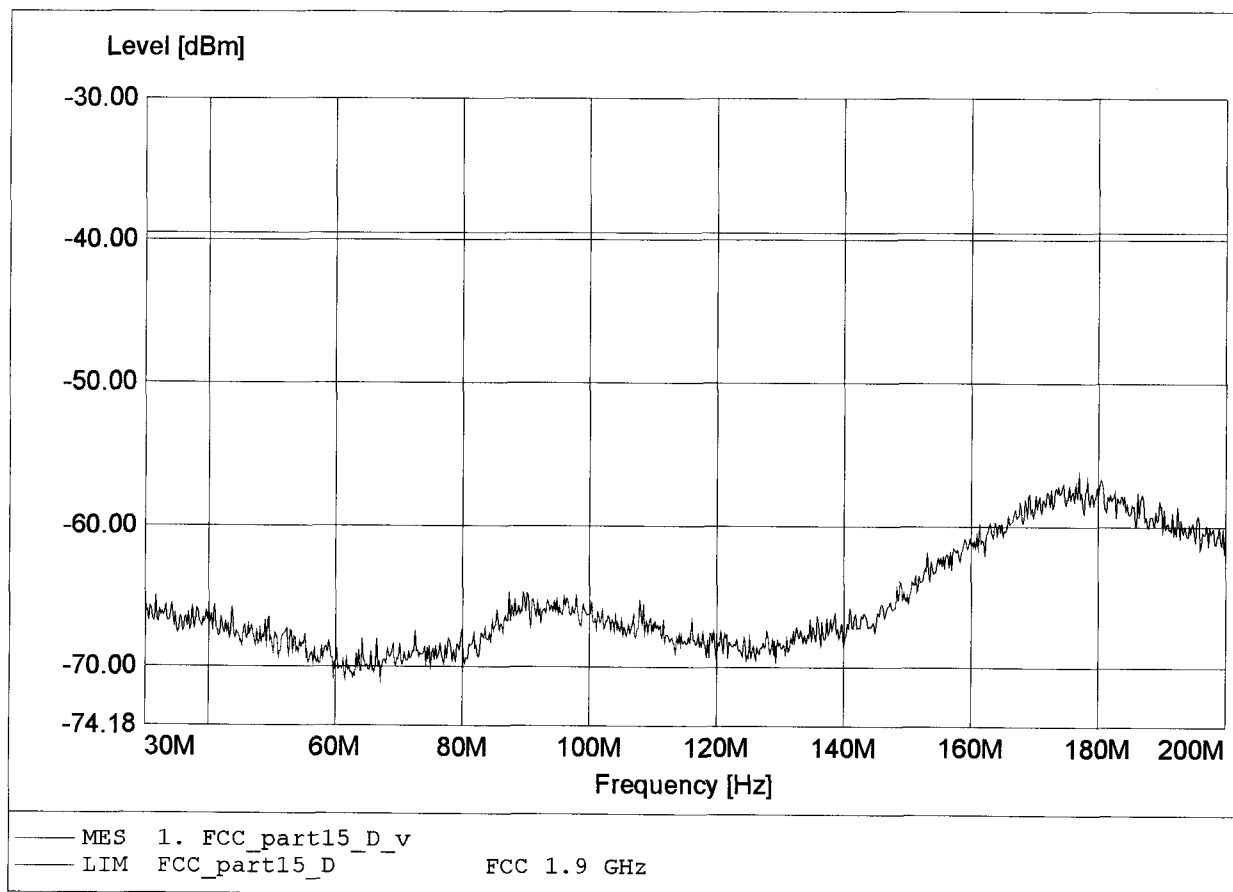
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 0  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.  
Comment 2: Freq:3.858GHz Pmax:-28.28dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

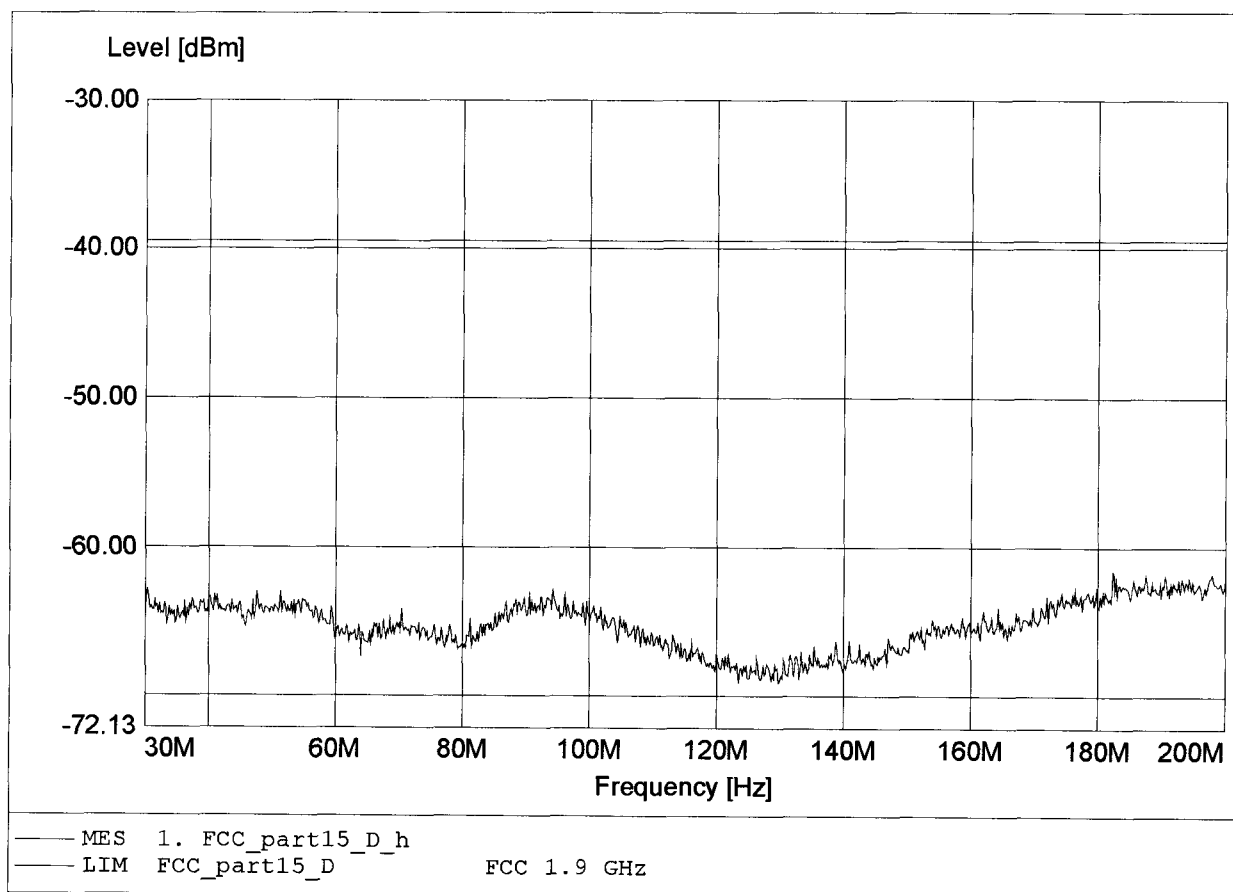
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 2  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HK 116,  
Comment 2: Freq:176.956MHz Pmax:-56.09dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

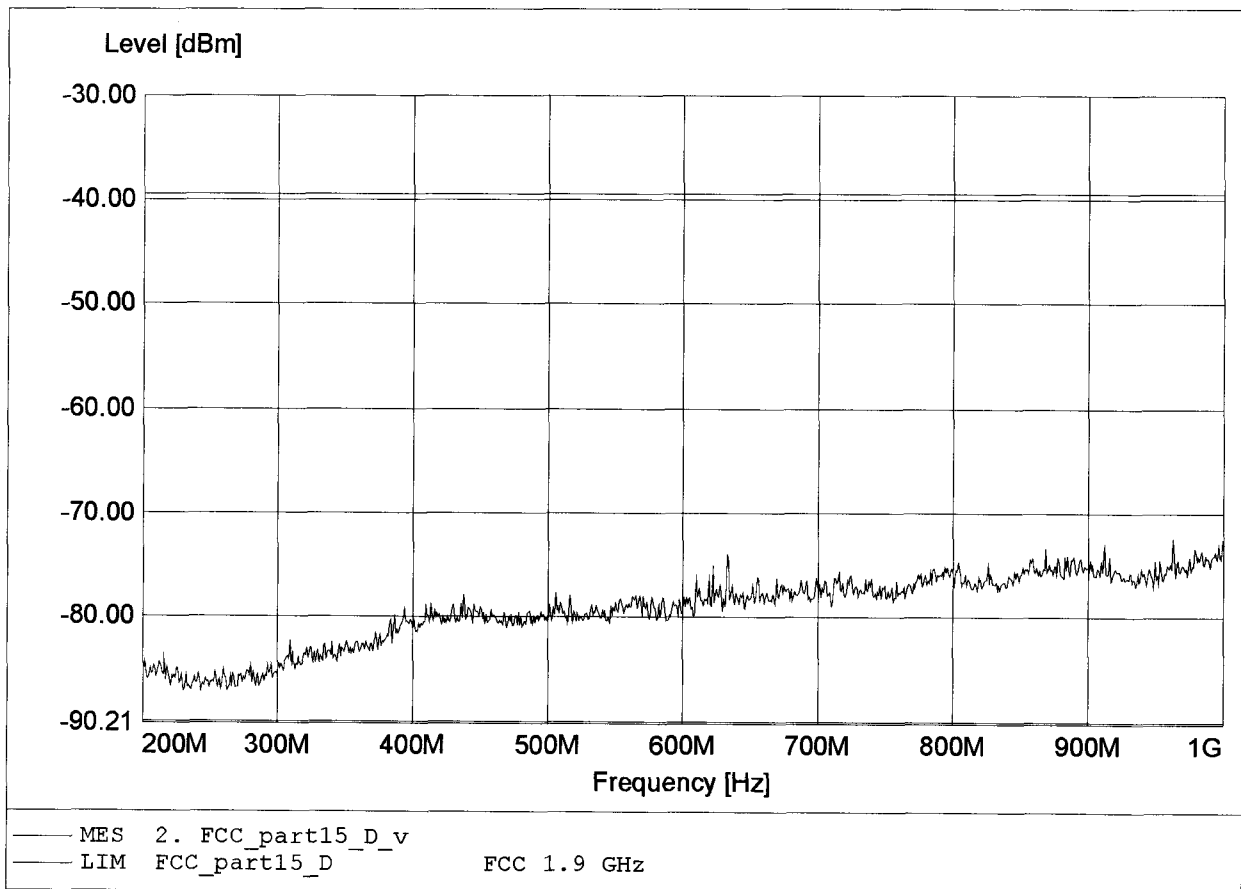
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 2  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HK 116,  
Comment 2: Freq:182.244MHz Pmax:-61.51dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

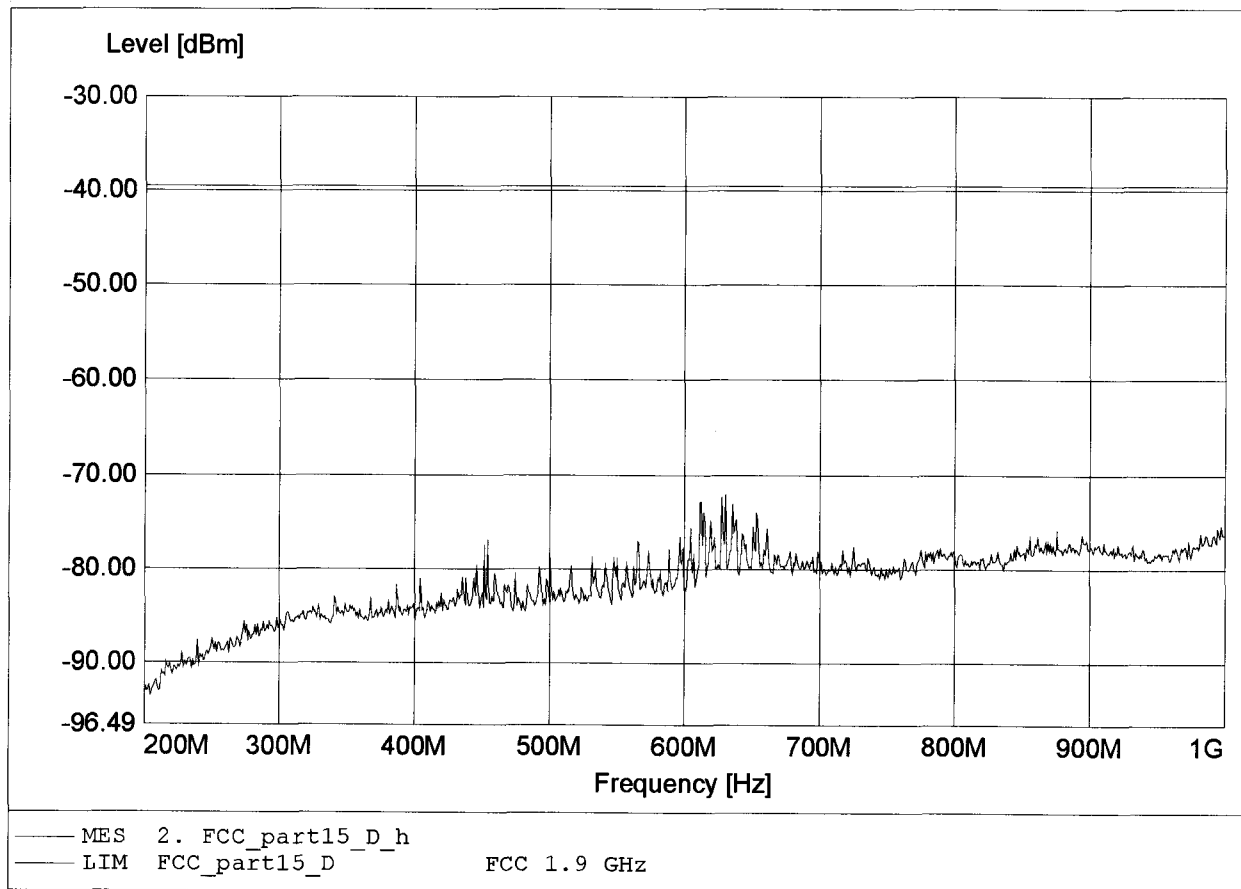
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 2  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq:962.667MHz Pmax:-72.38dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

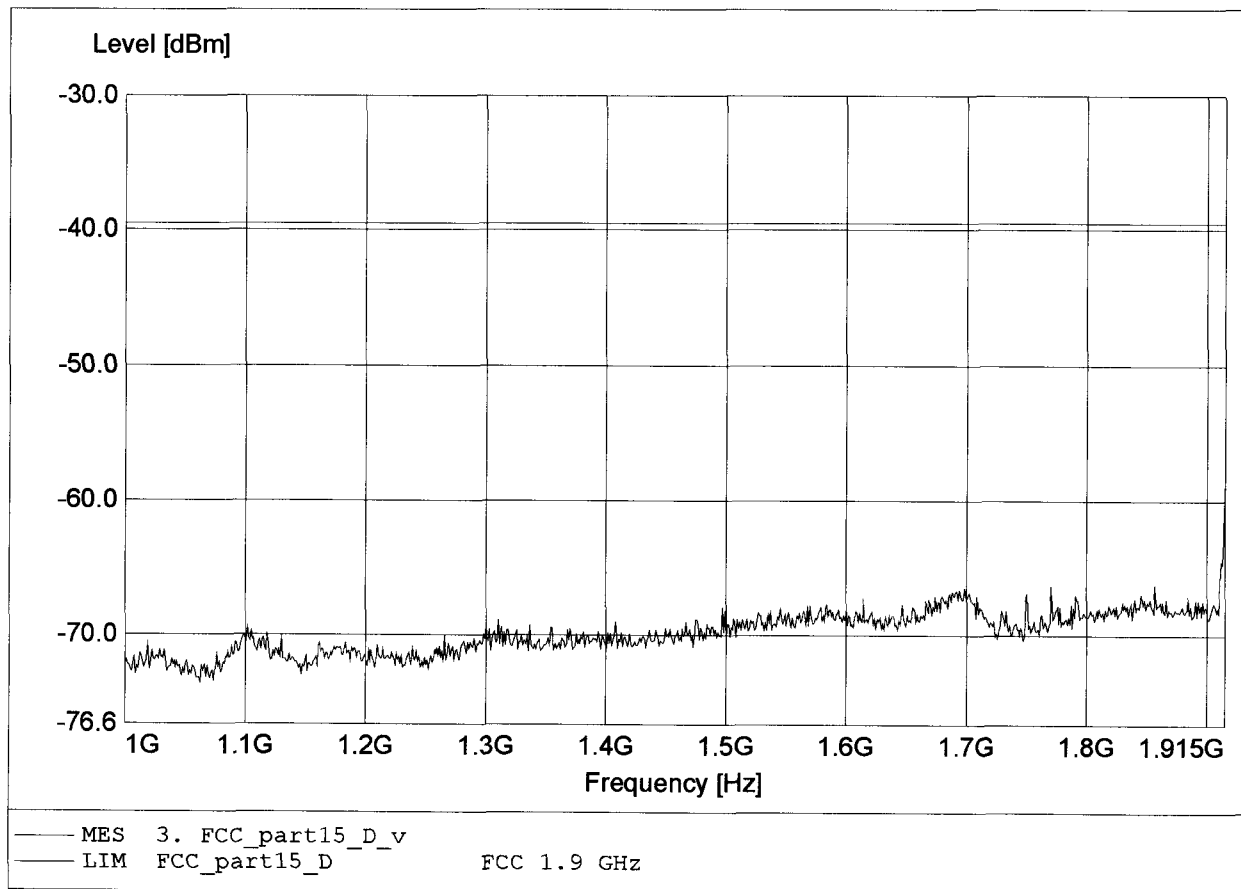
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 2  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq:630.222MHz Pmax:-72.02dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

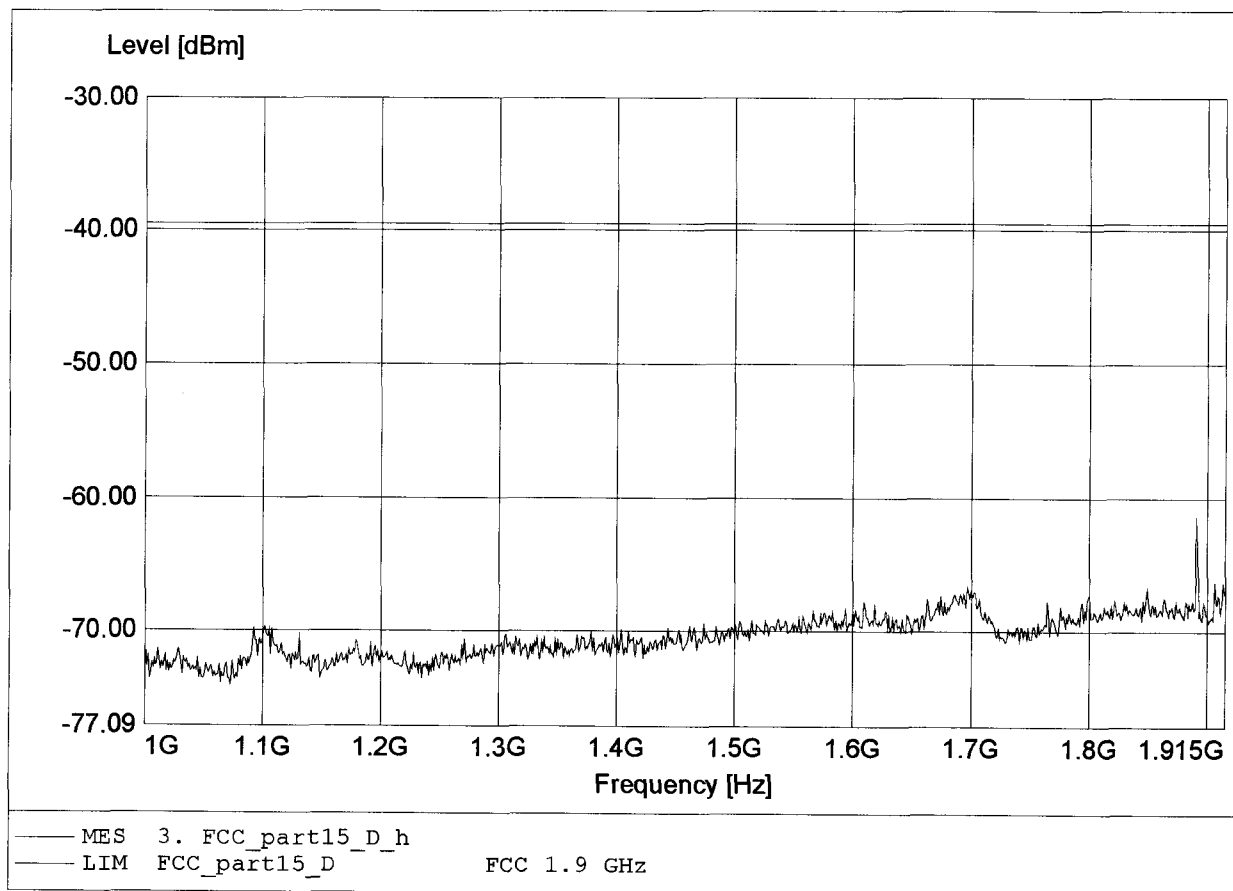
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 2  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.  
Comment 2: Freq:1.915GHz Pmax:-57.65dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

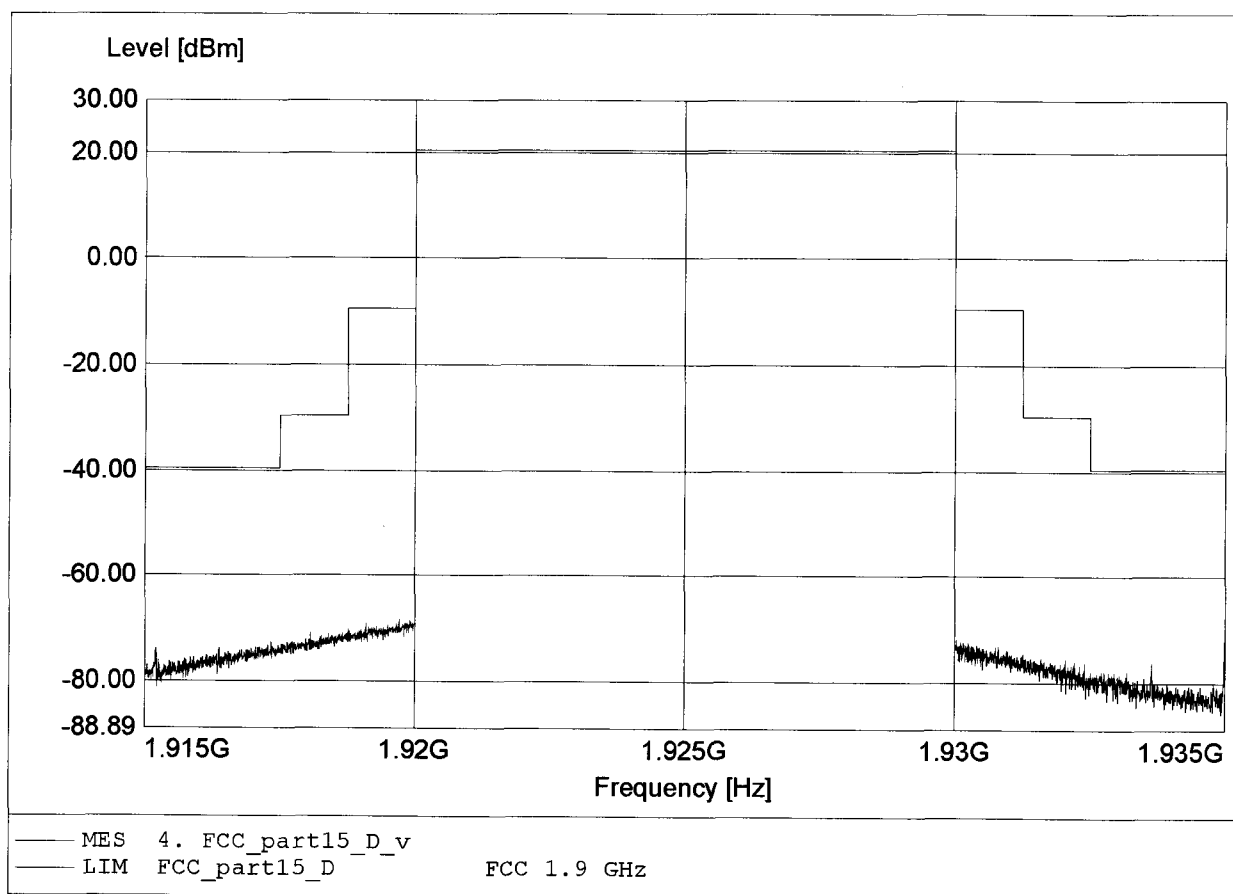
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 2  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.  
Comment 2: Freq:1.891GHz Pmax:-61.33dBm RBW: 100 kHz



# Spurious emissions under normal conditions

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

Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 2  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.  
Comment 2: Freq:1.920GHz Pmax:-68.45dBm RBW: 10 kHz



# Spurious emissions under normal conditions

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

Type approval holder: RTX Telecom A/S

EUT : GN9300 UPCS Headset

Model: GN9300 / Ch.: 2

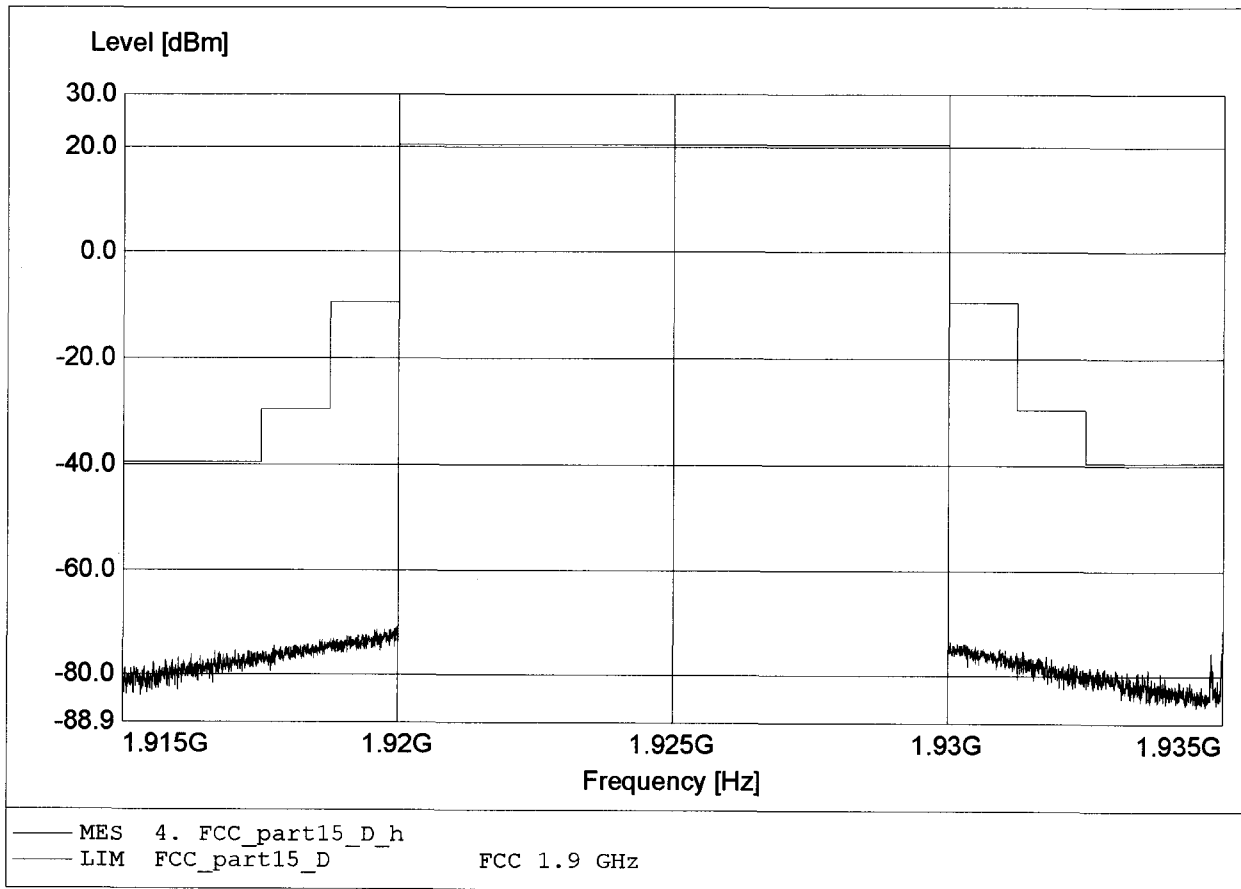
Test Site / Operator: ETS / Mr. Cersovsky

Temperature/ Voltage: 23°C / 3,6 V-

Test Specification: Fully anechoic chamber / mode: Tx

Comment 1: Dist.: 1m, Ant.: HL 025, ampl.

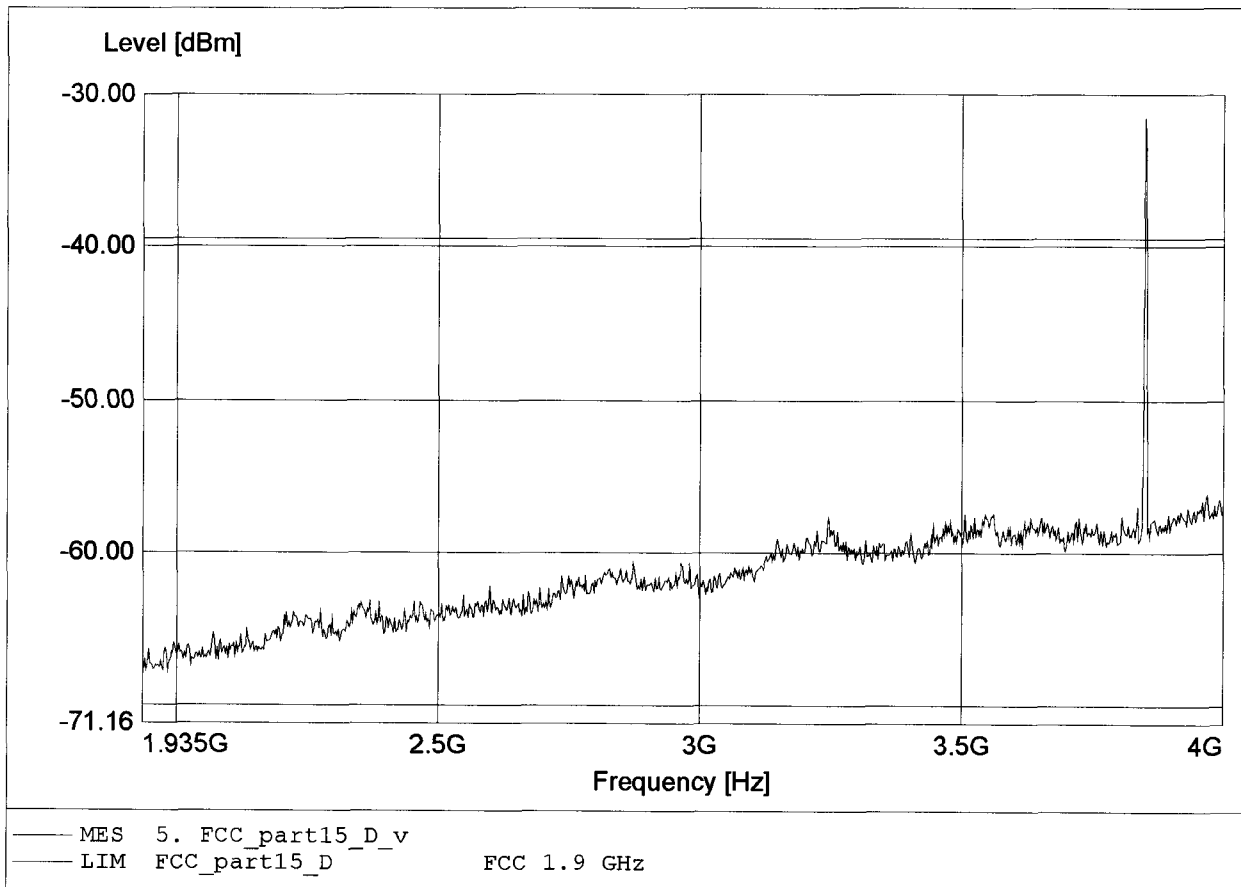
Comment 2: Freq:1.935GHz Pmax:-70.22dBm RBW: 10 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

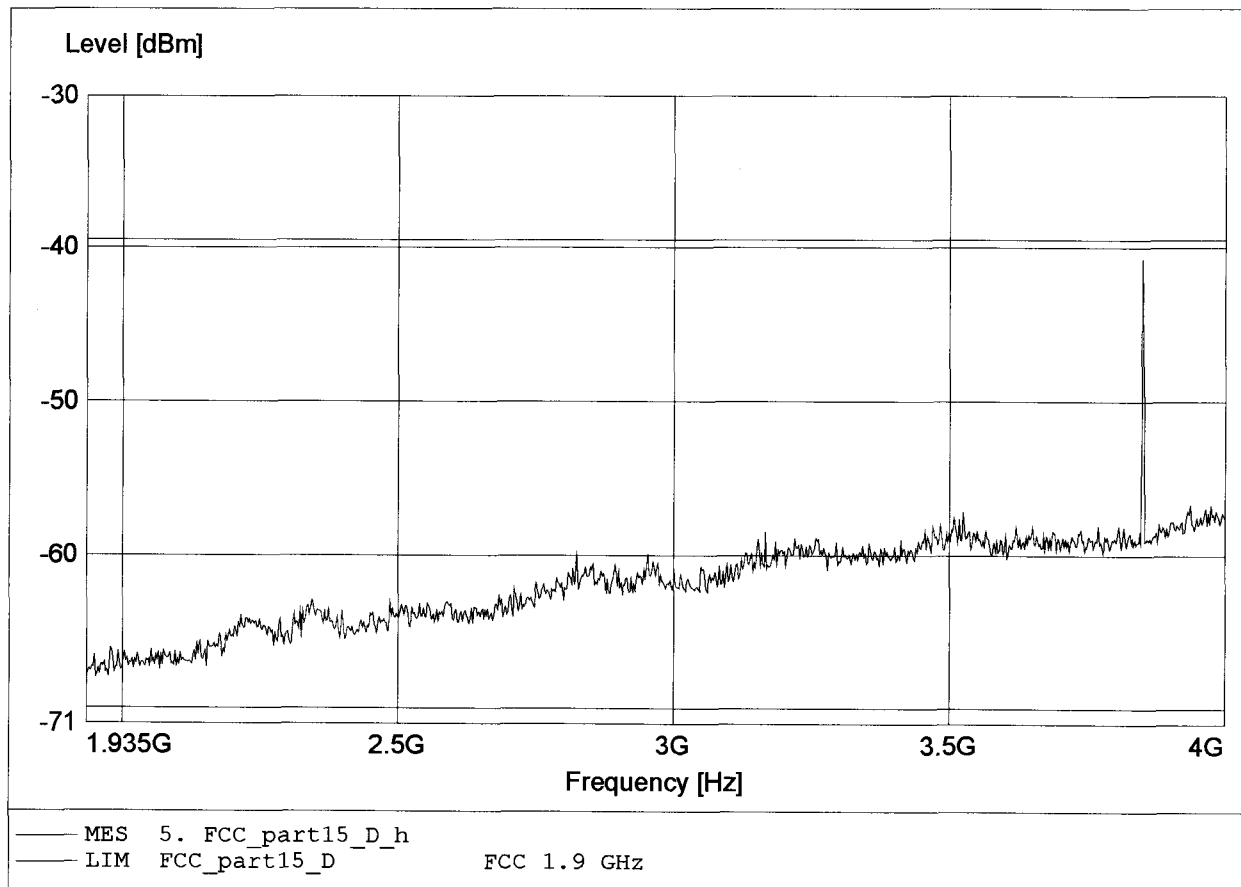
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 2  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.  
Comment 2: Freq:3.851GHz Pmax:-31.56dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

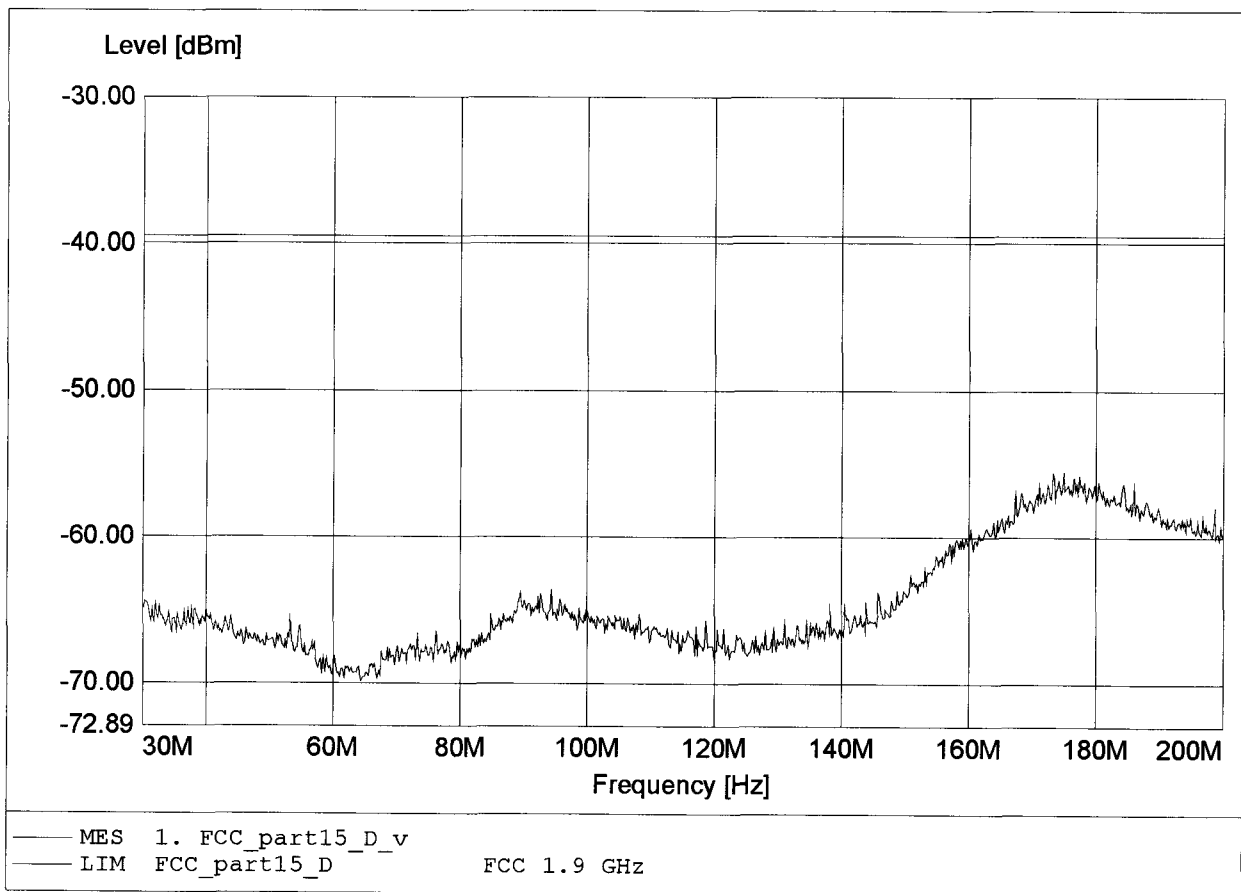
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 2  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.  
Comment 2: Freq:3.851GHz Pmax:-40.73dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

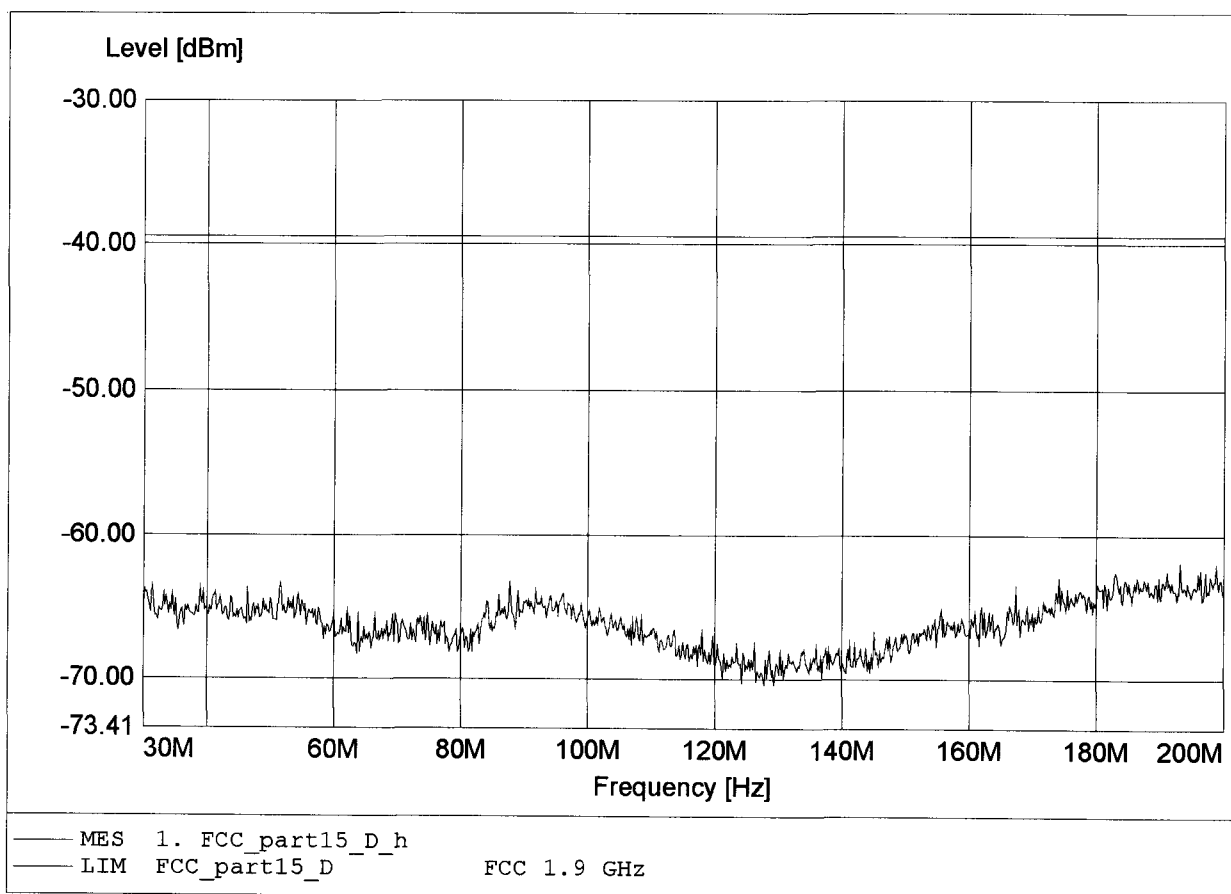
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 4  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HK 116,  
Comment 2: Freq:174.878MHz Pmax:-55.49dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

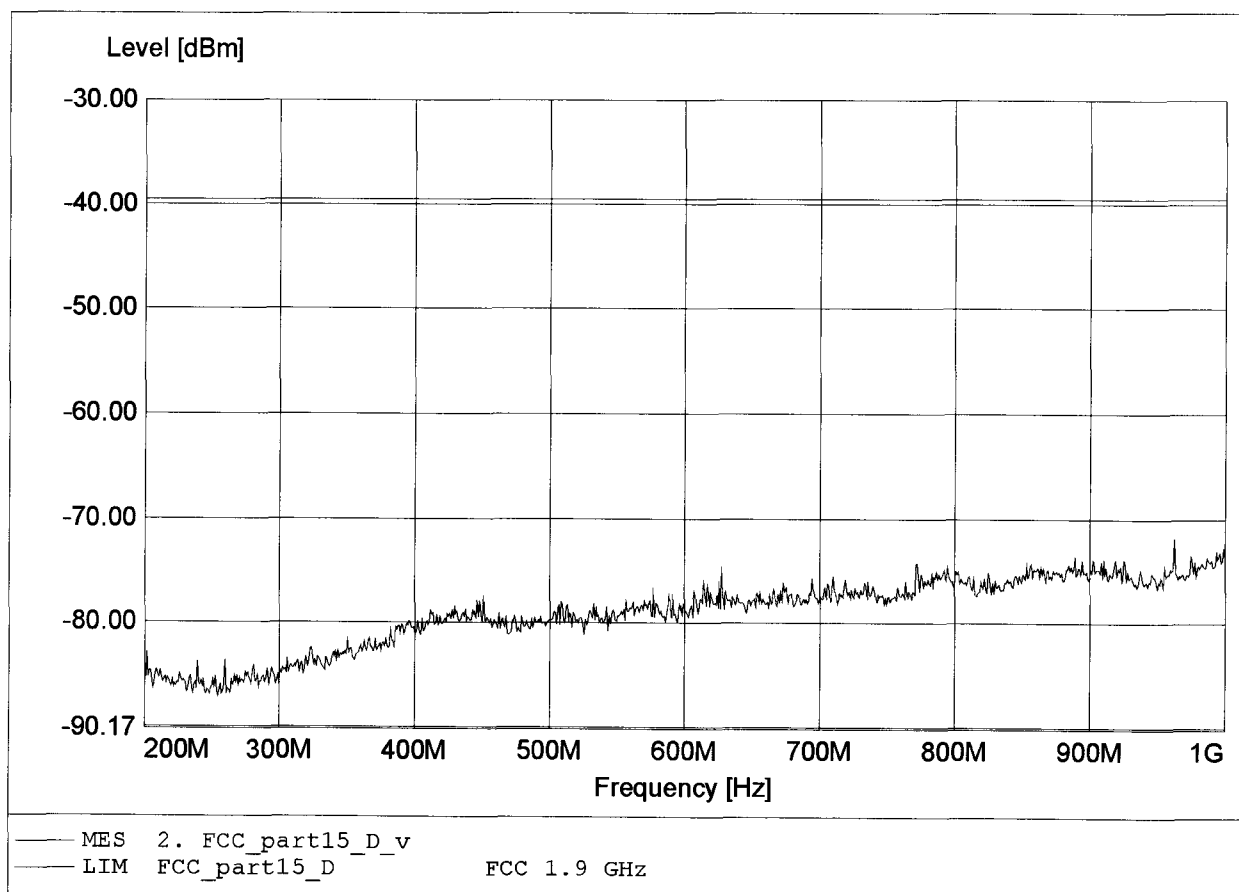
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 4  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HK 116,  
Comment 2: Freq:193.200MHz Pmax:-61.87dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

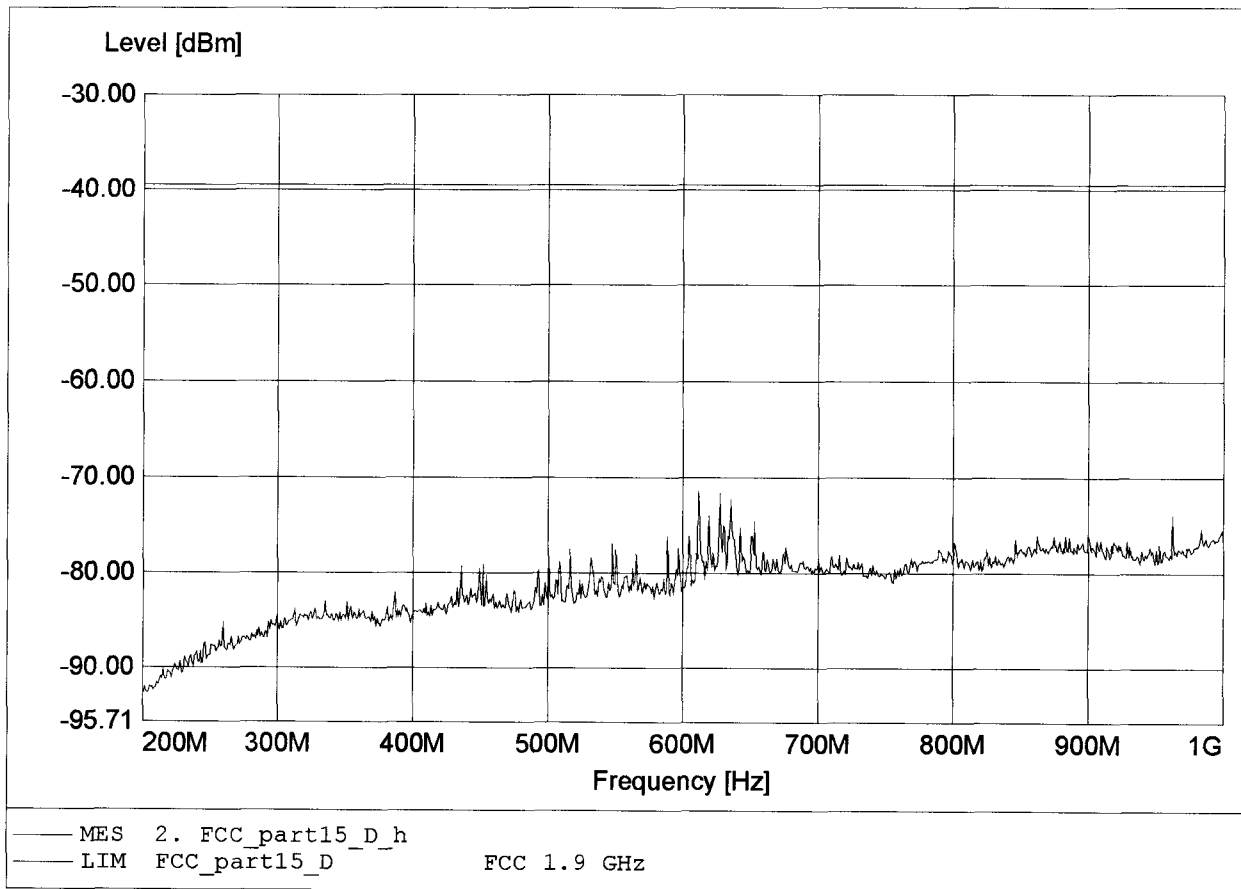
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 4  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq:962.667MHz Pmax:-71.85dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 4  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq:611.556MHz Pmax:-71.46dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

Type approval holder: RTX Telecom A/S

EUT : GN9300 UPCS Headset

Model: GN9300 / Ch.: 4

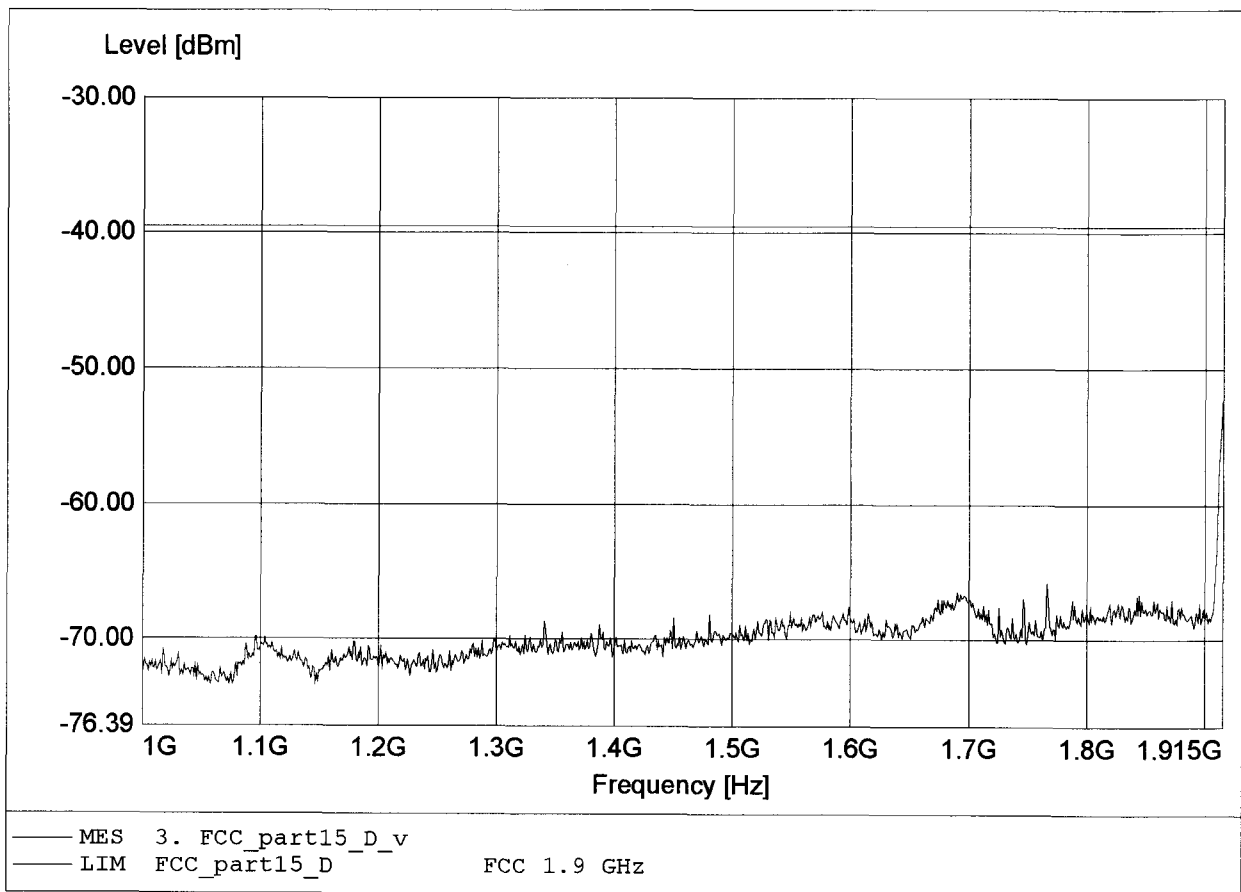
Test Site / Operator: ETS / Mr. Cersovsky

Temperature/ Voltage: 23°C / 3,6 V-

Test Specification: Fully anechoic chamber / mode: Tx

Comment 1: Dist.: 1m, Ant.: HL 025, ampl.

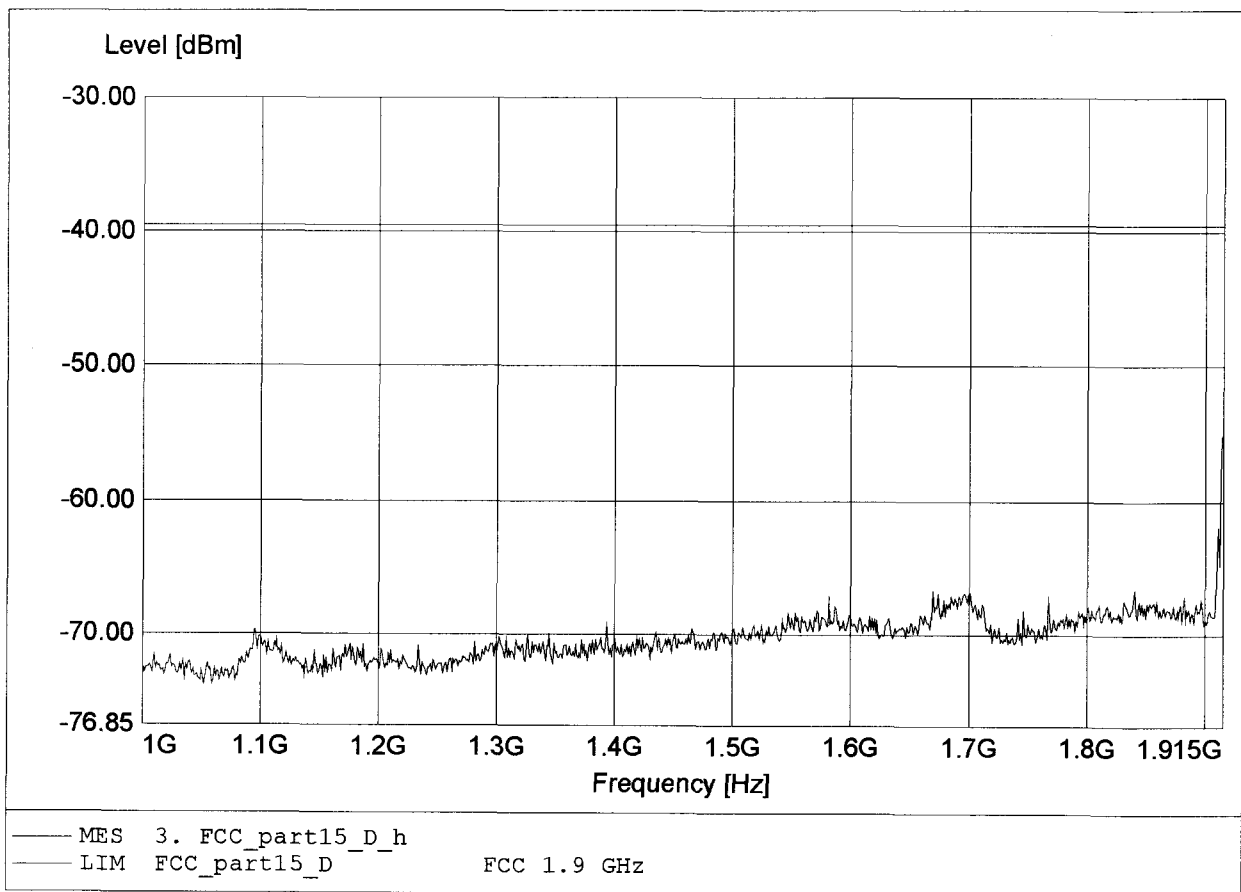
Comment 2: Freq:1.915GHz Pmax:-51.88dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

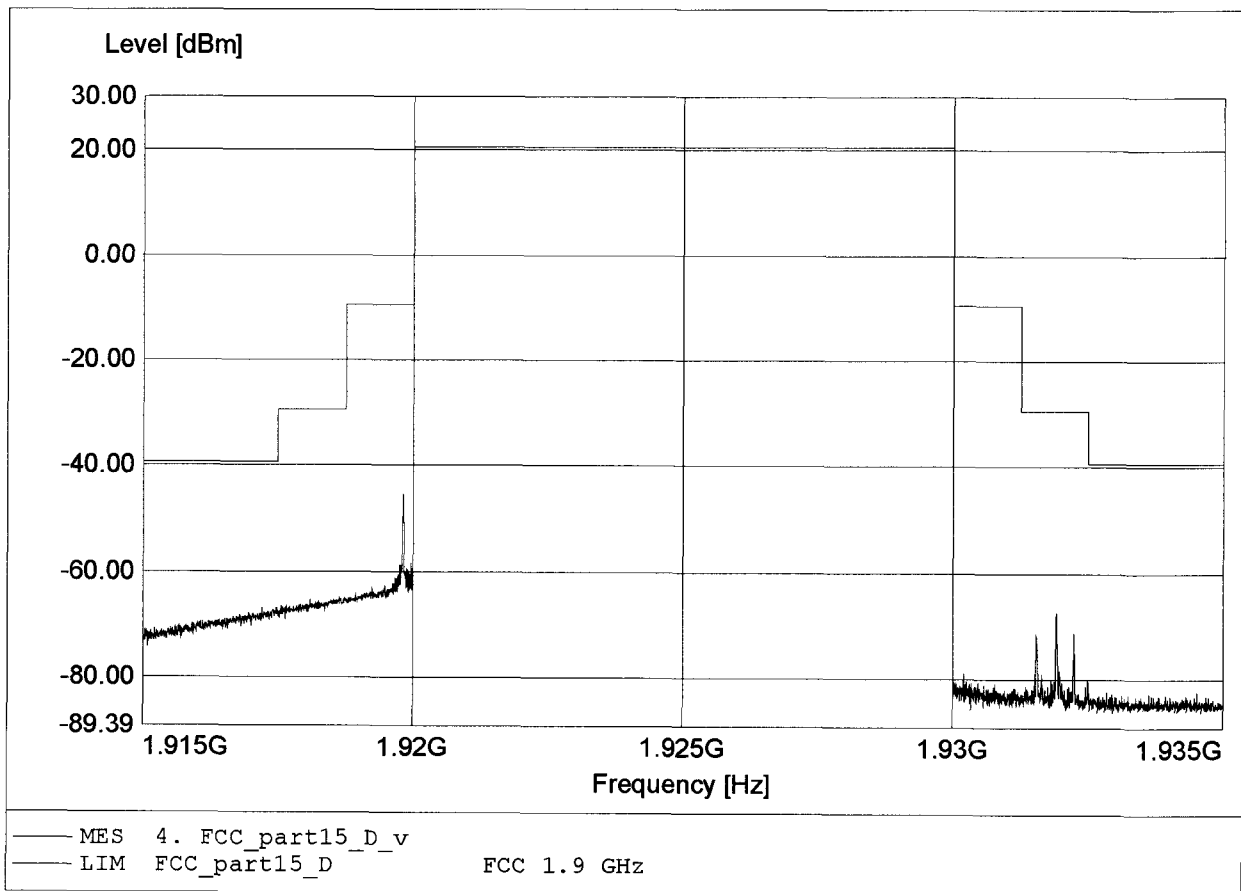
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 4  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.  
Comment 2: Freq:1.915GHz Pmax:-55.02dBm RBW: 100 kHz



# Spurious emissions under normal conditions

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

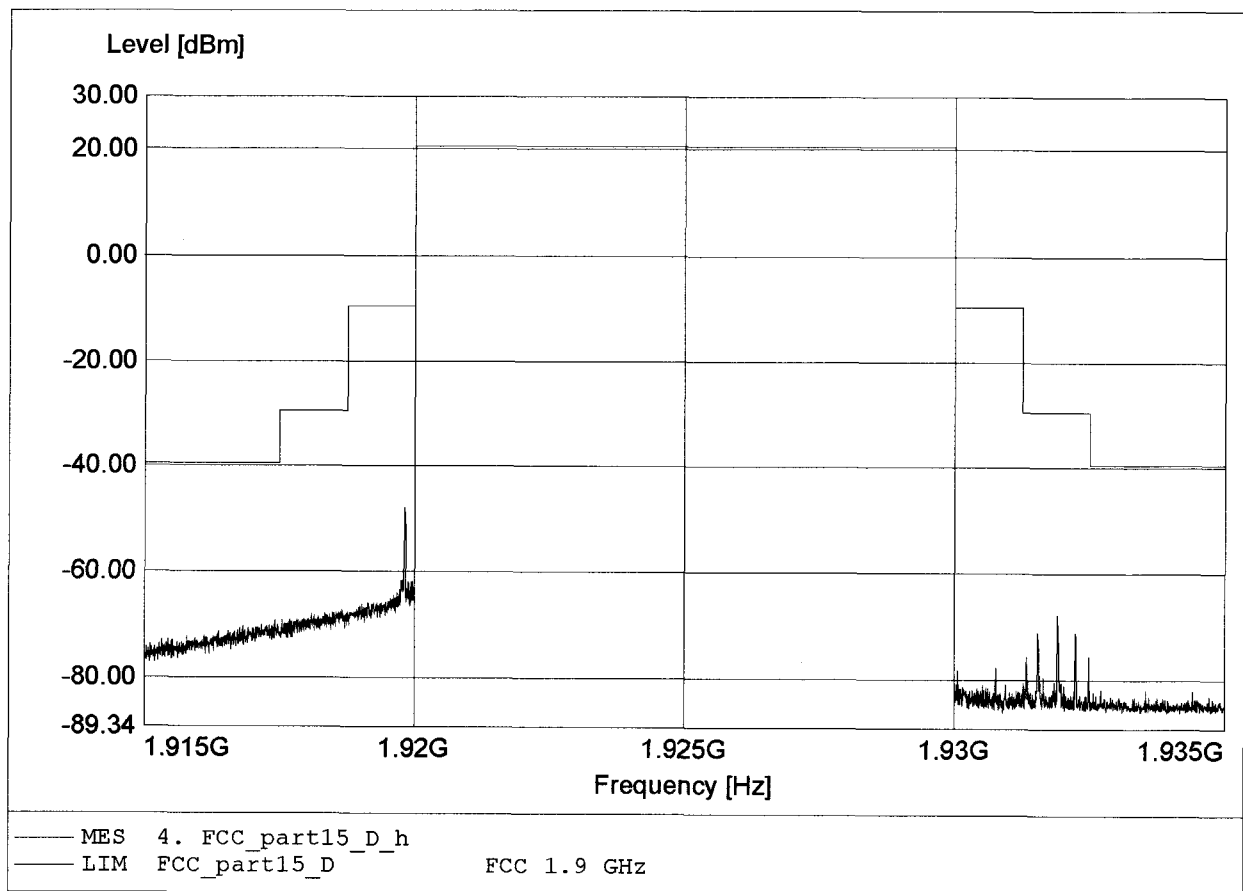
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 4  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.  
Comment 2: Freq:1.920GHz Pmax:-45.54dBm RBW: 10 kHz



# Spurious emissions under normal conditions

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

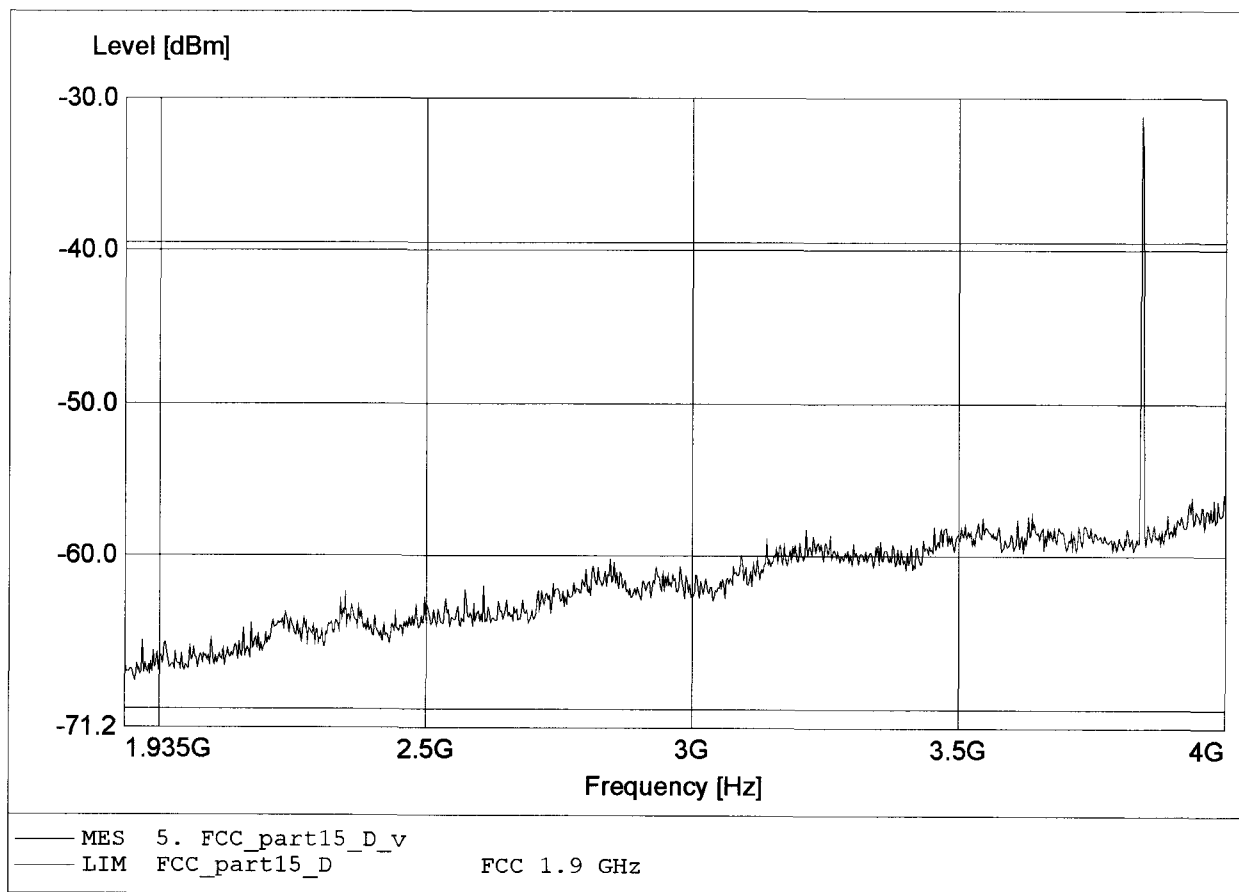
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 4  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.  
Comment 2: Freq:1.920GHz Pmax:-48.02dBm RBW: 10 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

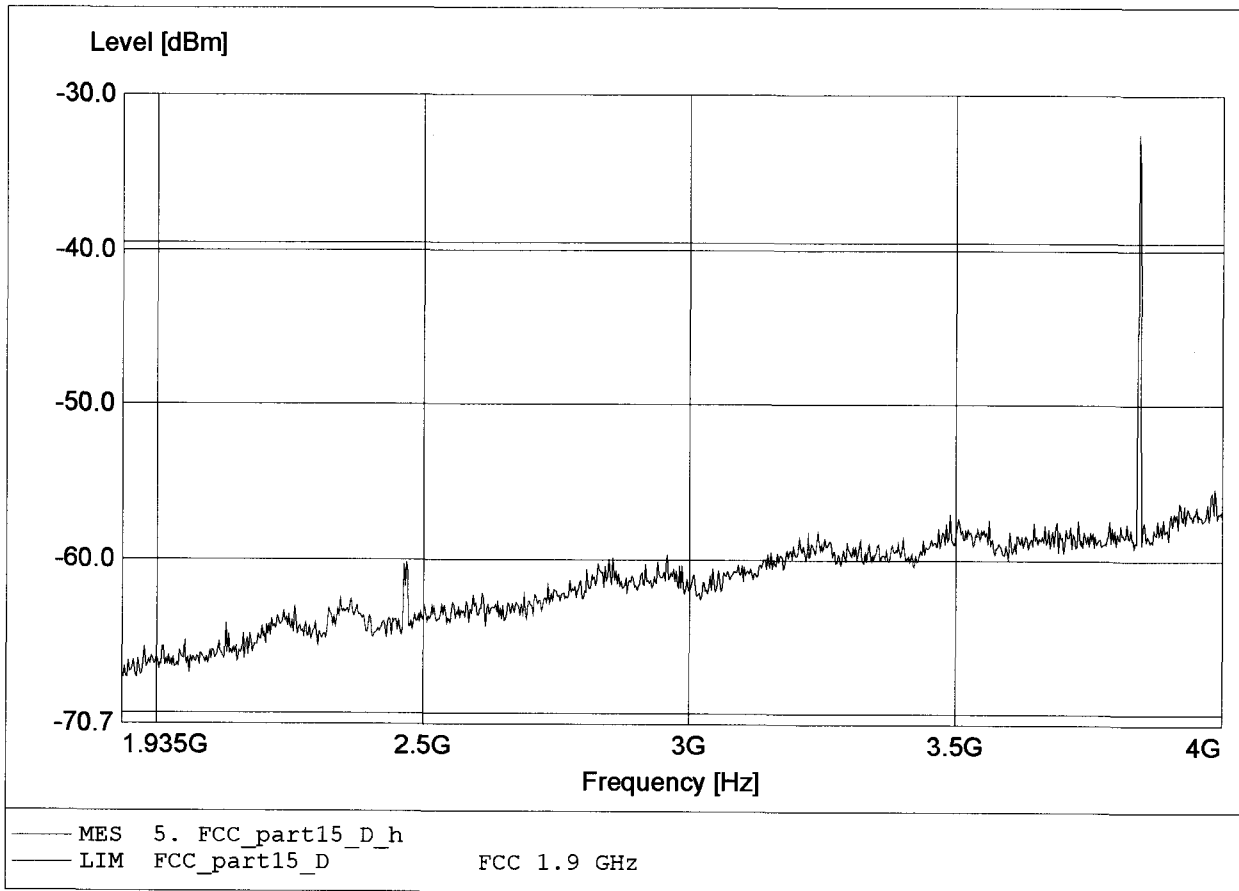
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 4  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.  
Comment 2: Freq:3.844GHz Pmax:-31.16dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

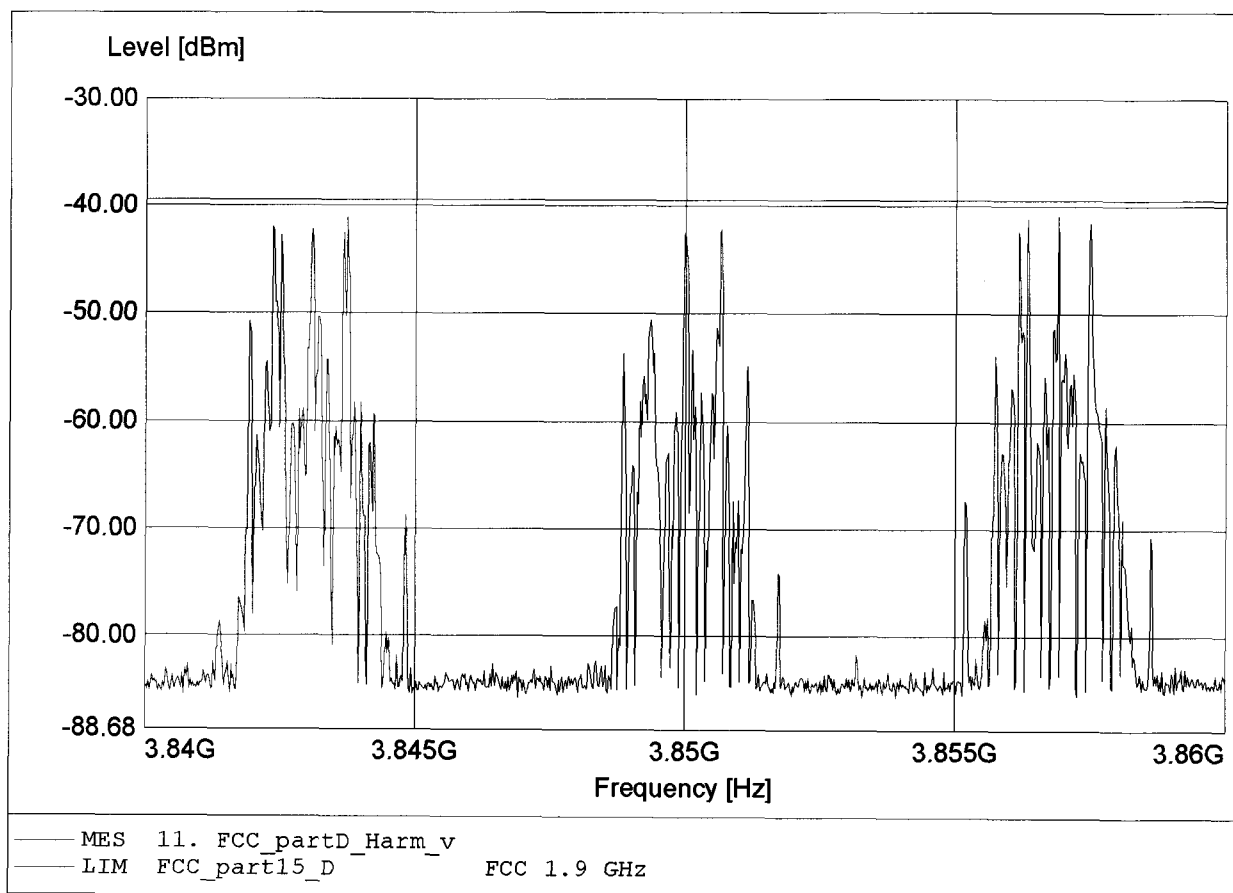
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 4  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.  
Comment 2: Freq:3.844GHz Pmax:-32.49dBm RBW: 100 kHz



# Spurious emissions under normal conditions

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

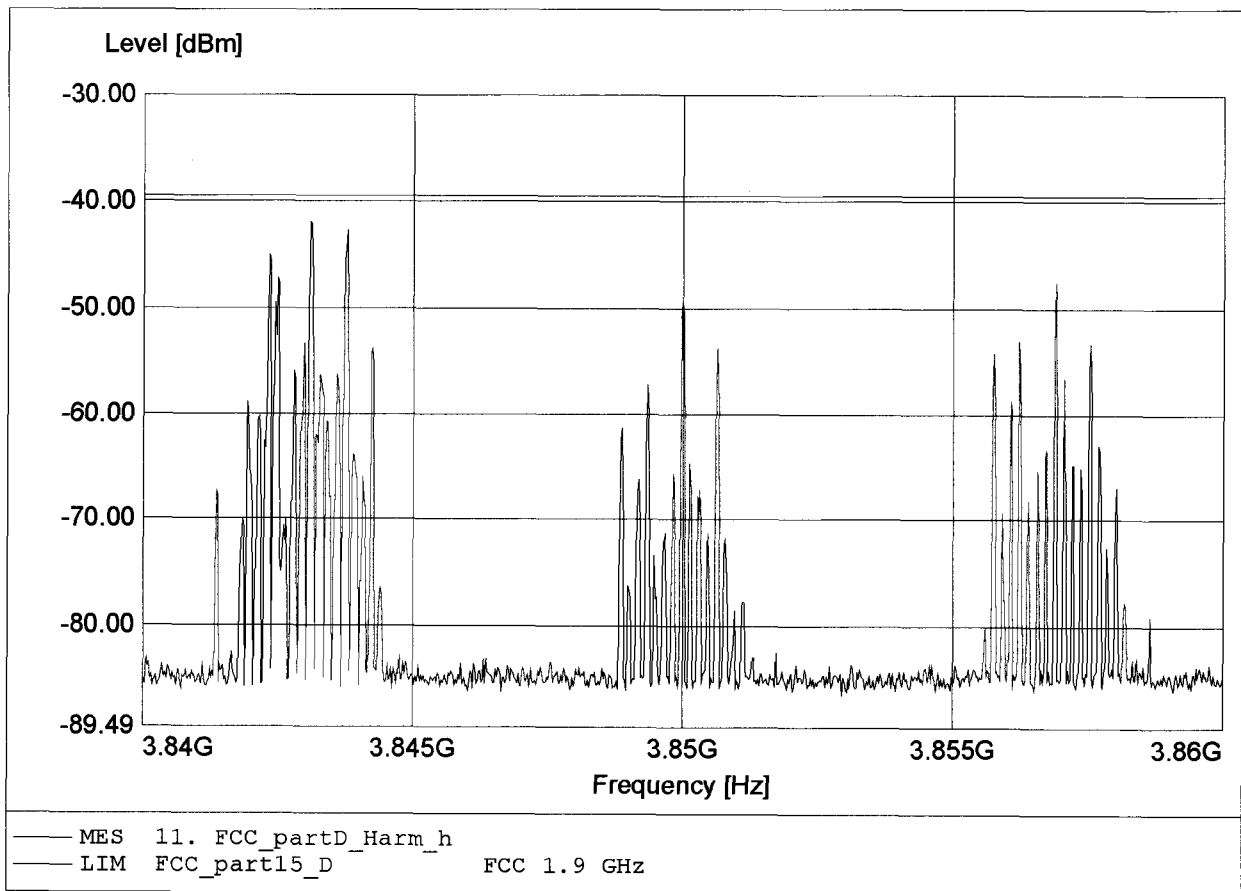
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 0; 2; 4;  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.  
Comment 2: Freq:3.857GHz Pmax:-40.95dBm RBW:10 kHz



# Spurious emissions under normal conditions

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

Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 0; 2; 4;  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.  
Comment 2: Freq:3.843GHz Pmax:-41.92dBm RBW:10 kHz



# Spurious emissions under normal conditions

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

Type approval holder: RTX Telecom A/S

EUT : GN9300 UPCS Headset

Model: GN9300 / Ch.: 0; 2; 4;

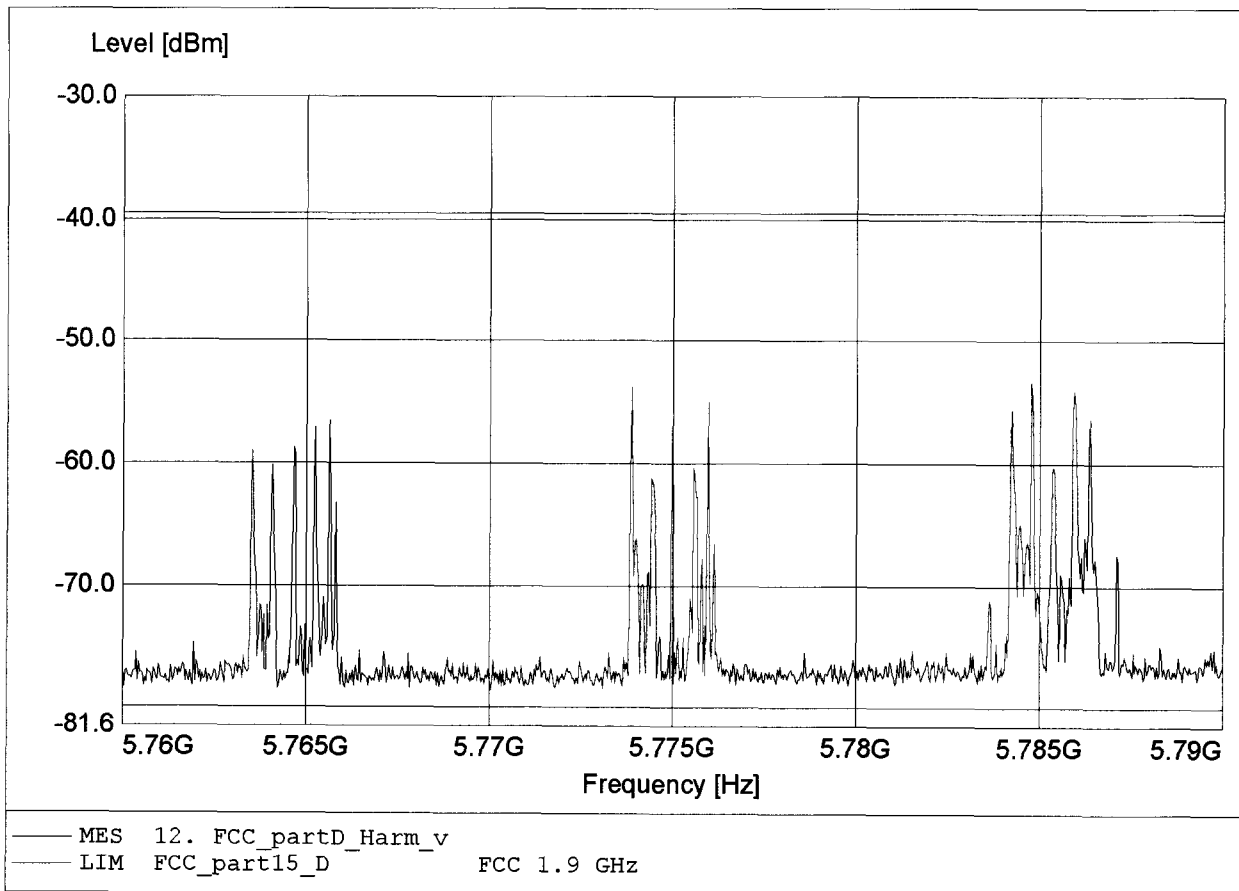
Test Site / Operator: ETS / Mr. Cersovsky

Temperature/ Voltage: 23°C / 3,6 V-

Test Specification: Fully anechoic chamber / mode: Tx

Comment 1: Dist.: 1m, Ant.: HL 025, ampl.

Comment 2: Freq:5.785GHz Pmax:-53.43dBm RBW:10 kHz



# Spurious emissions under normal conditions

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

Type approval holder: RTX Telecom A/S

EUT : GN9300 UPCS Headset

Model: GN9300 / Ch.: 0; 2; 4;

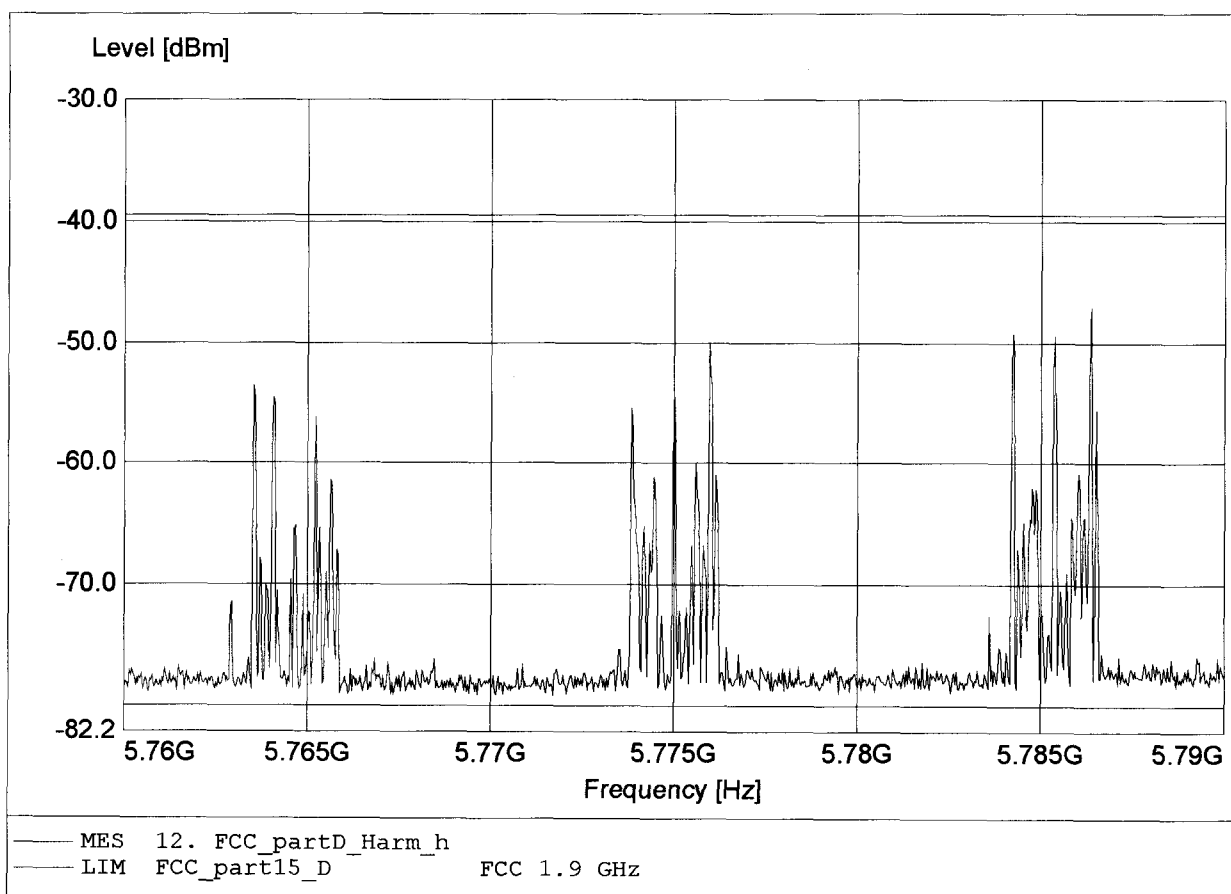
Test Site / Operator: ETS / Mr. Cersovsky

Temperature/ Voltage: 23°C / 3,6 V-

Test Specification: Fully anechoic chamber / mode: Tx

Comment 1: Dist.: 1m, Ant.: HL 025, ampl.

Comment 2: Freq:5.786GHz Pmax:-46.99dBm RBW:10 kHz



# Spurious emissions under normal conditions

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

Type approval holder: RTX Telecom A/S

EUT : GN9300 UPCS Headset

Model: GN9300 / Ch.: 0; 2; 4;

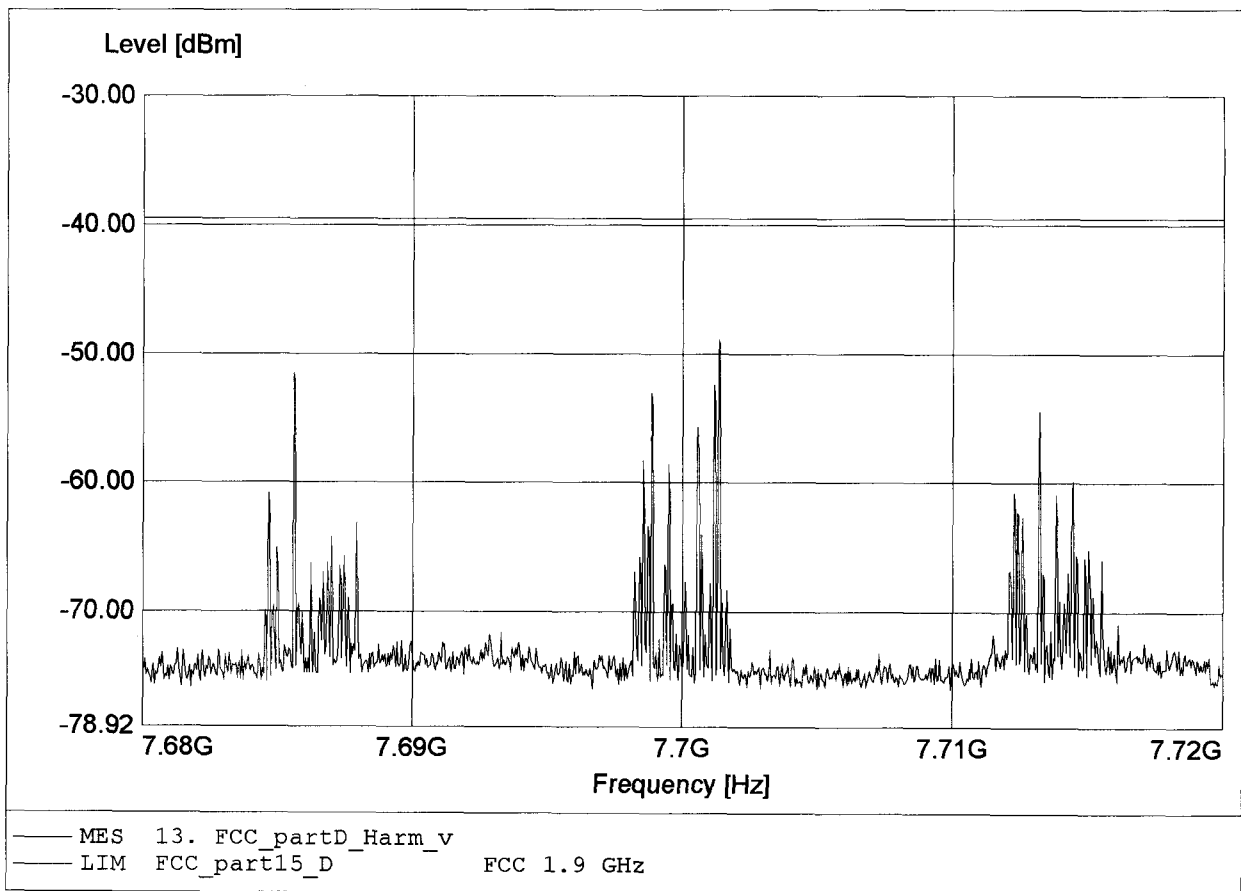
Test Site / Operator: ETS / Mr. Cersovsky

Temperature/ Voltage: 23°C / 3,6 V-

Test Specification: Fully anechoic chamber / mode: Tx

Comment 1: Dist.: 1m, Ant.: HL 025, ampl.

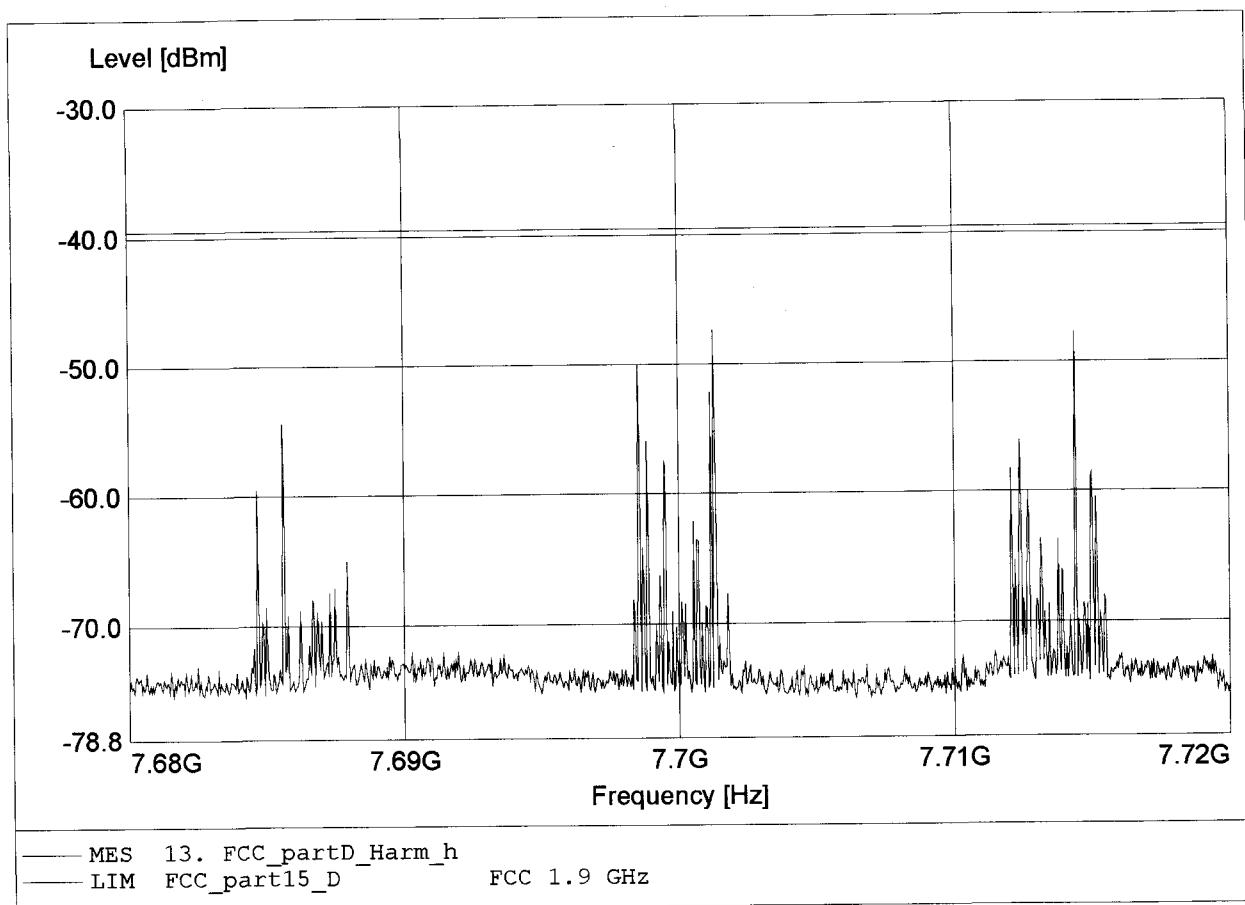
Comment 2: Freq:7.701GHz Pmax:-48.89dBm RBW:10 kHz



# Spurious emissions under normal conditions

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

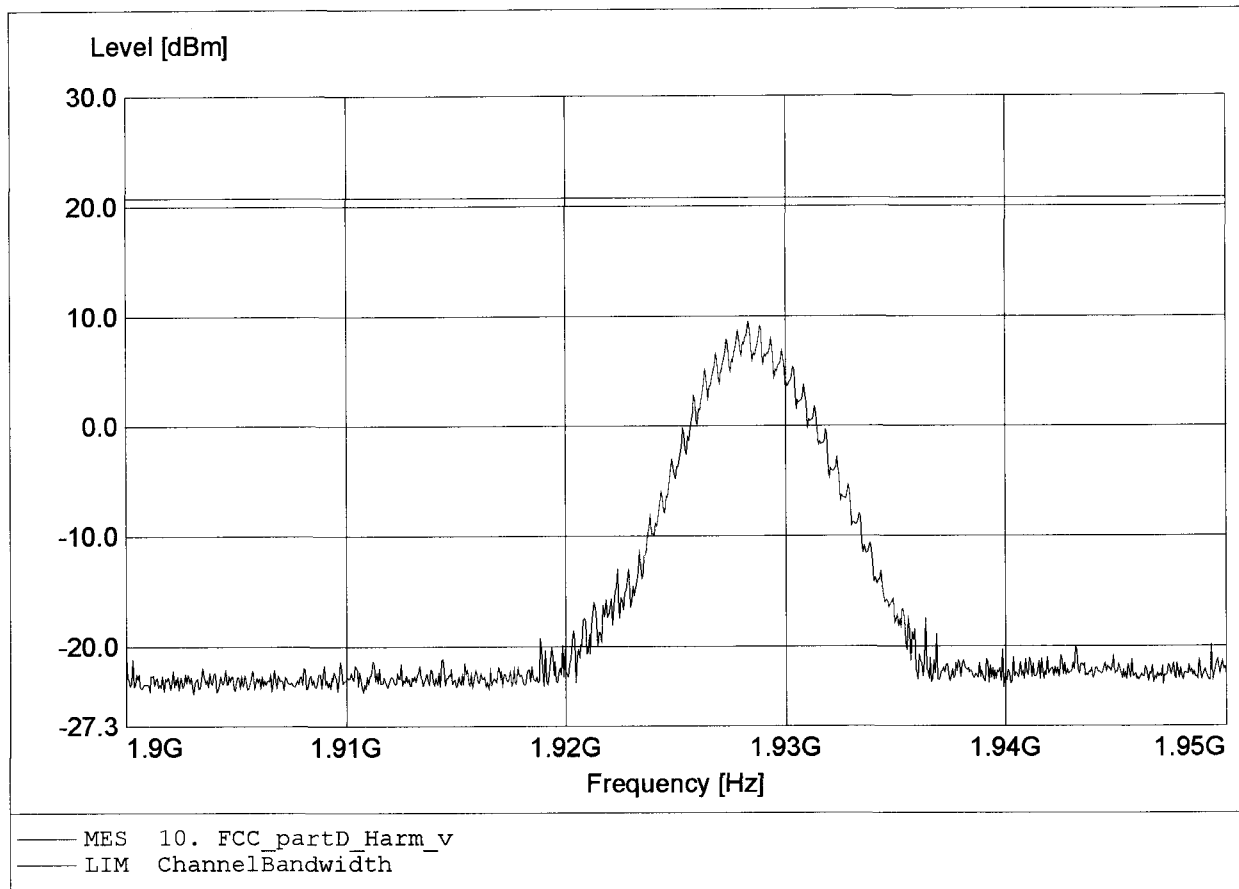
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 0; 2; 4;  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.  
Comment 2: Freq:7.701GHz Pmax:-47.40dBm RBW:10 kHz



## Peak Transmit Power, Radiated

### FCC RULES PART 15, SUBPART D

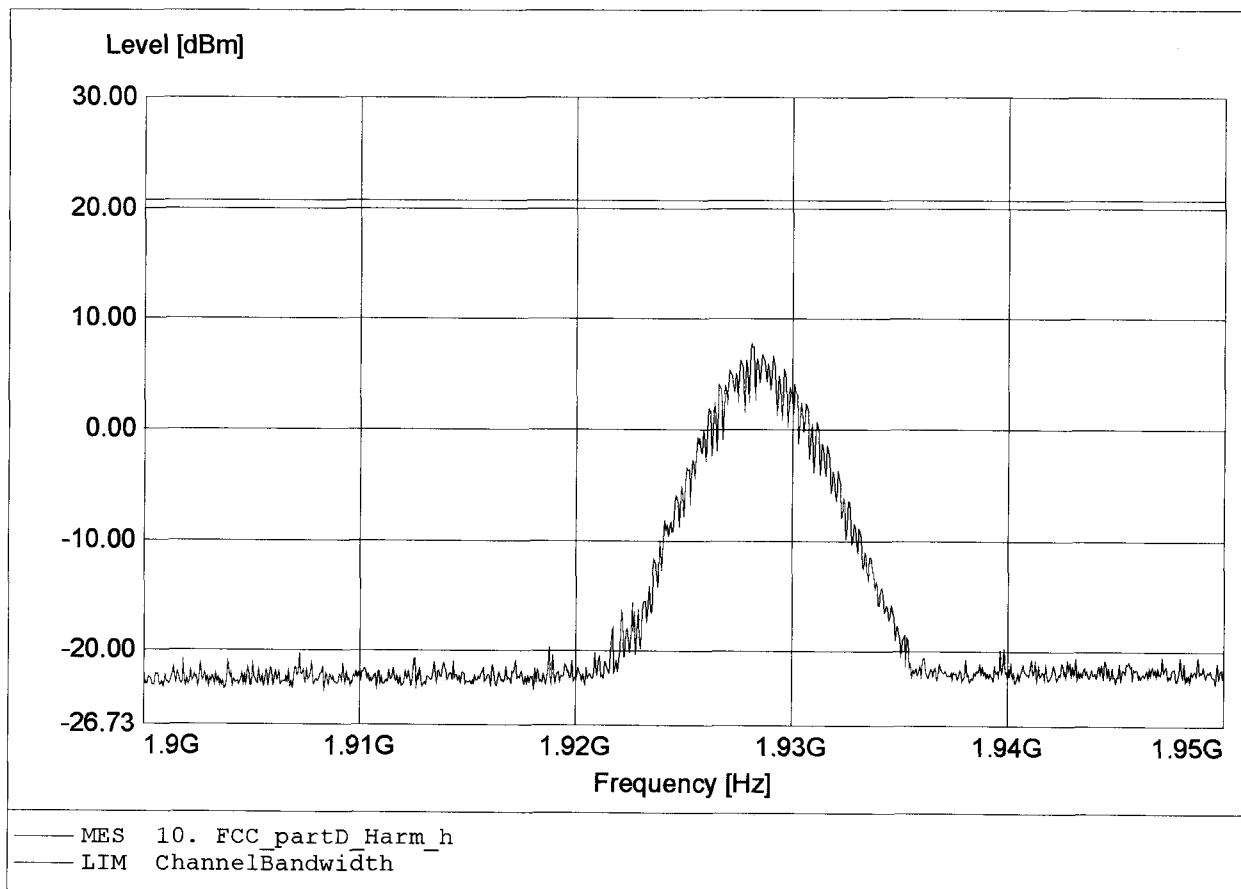
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 0  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 025,  
Comment 2: Freq:1.928GHz Pmax:9.52dBm RBW: 5 MHz



# Peak Transmit Power, Radiated

## FCC RULES PART 15, SUBPART D

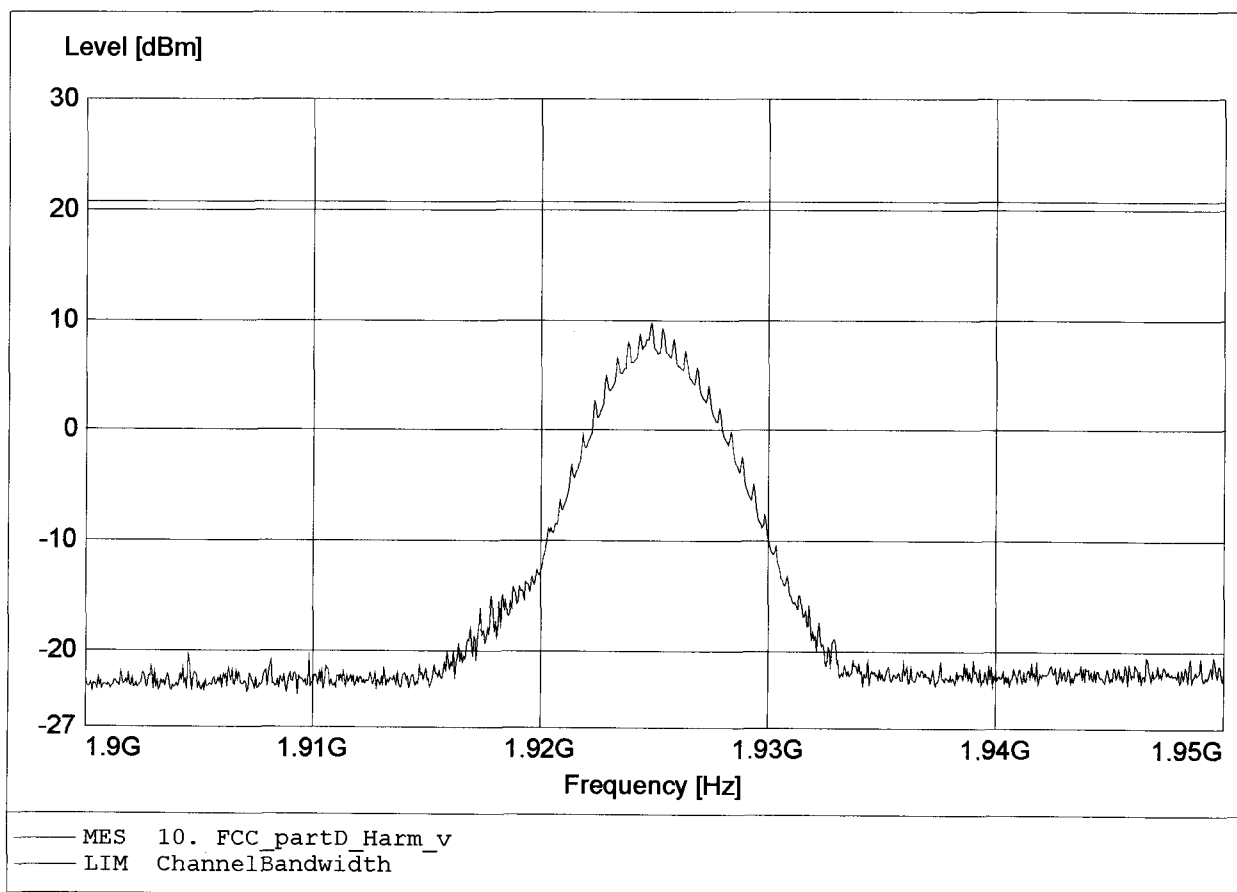
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 0  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 025,  
Comment 2: Freq:1.928GHz Pmax:7.81dBm RBW: 5 MHz



# Peak Transmit Power, Radiated

## FCC RULES PART 15, SUBPART D

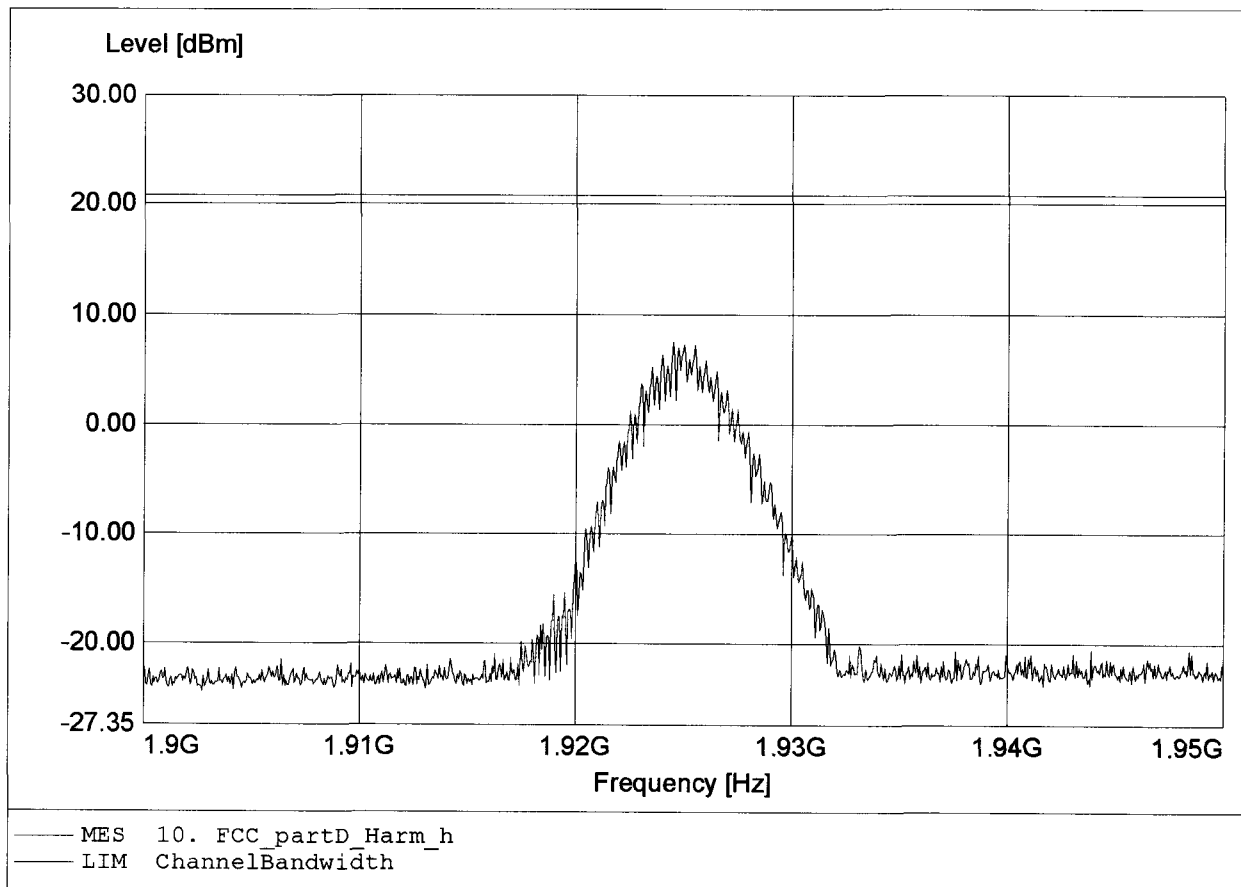
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 2  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 025,  
Comment 2: Freq:1.925GHz Pmax:9.79dBm RBW: 5 MHz



## Peak Transmit Power, Radiated

### FCC RULES PART 15, SUBPART D

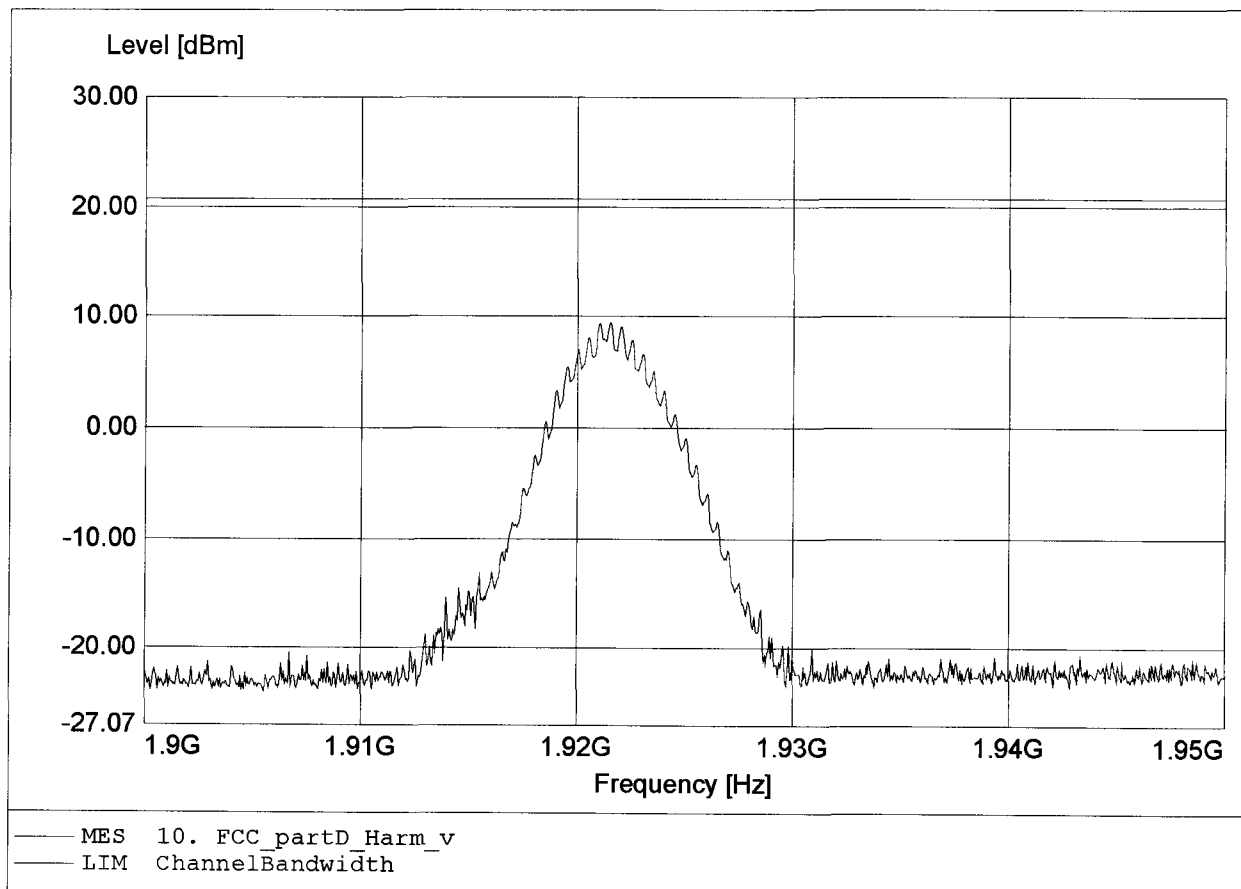
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 2  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 025,  
Comment 2: Freq:1.925GHz Pmax:7.61dBm RBW: 5 MHz



# Peak Transmit Power, Radiated

## FCC RULES PART 15, SUBPART D

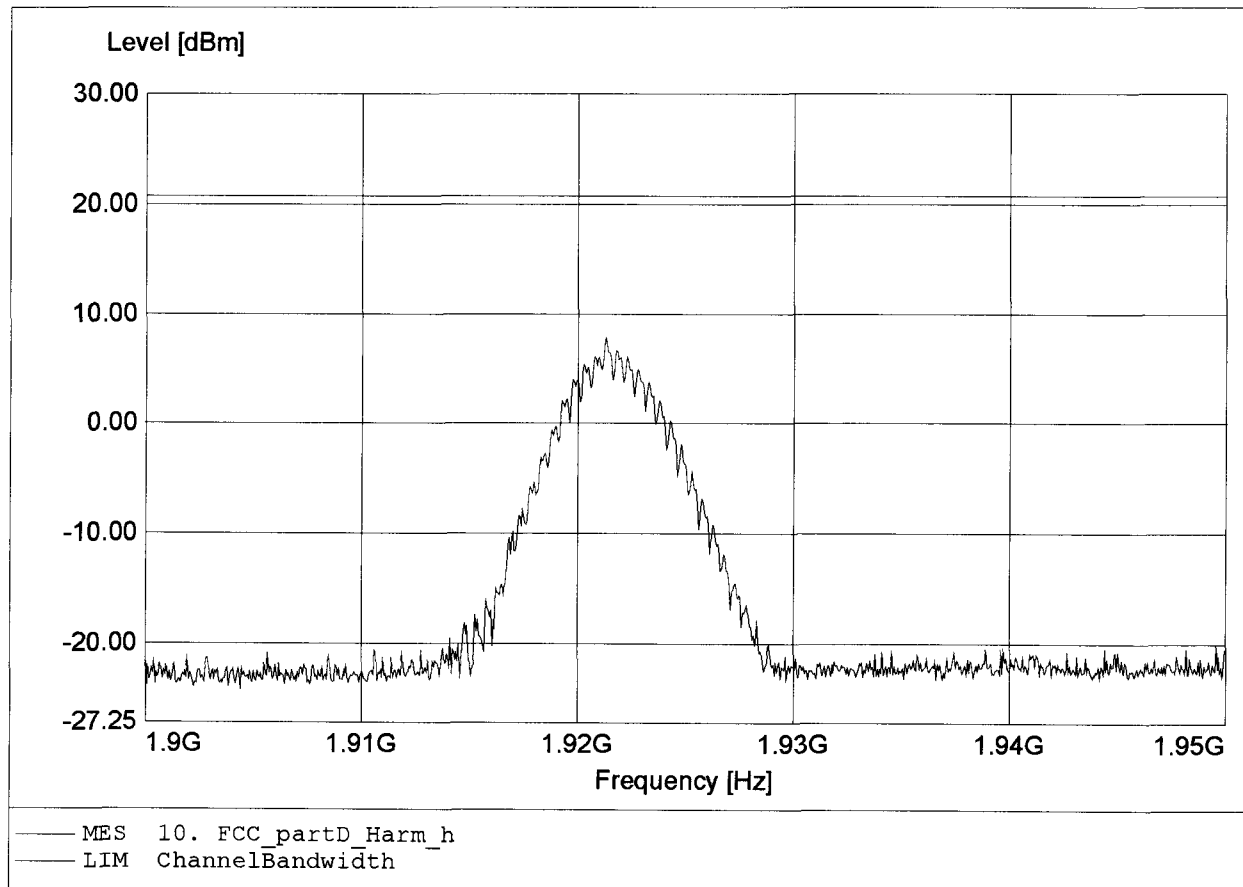
Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 4  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 025,  
Comment 2: Freq:1.922GHz Pmax:9.43dBm RBW: 5 MHz



# Peak Transmit Power, Radiated

## FCC RULES PART 15, SUBPART D

Type approval holder: RTX Telecom A/S  
EUT : GN9300 UPCS Headset  
Model: GN9300 / Ch.: 4  
Test Site / Operator: ETS / Mr. Cersovsky  
Temperature/ Voltage: 23°C / 3,6 V-  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 025,  
Comment 2: Freq:1.921GHz Pmax:7.92dBm RBW: 5 MHz



## **Appendix T**

Frame period

# FCC Part 15.323(e.1) Frame repetition

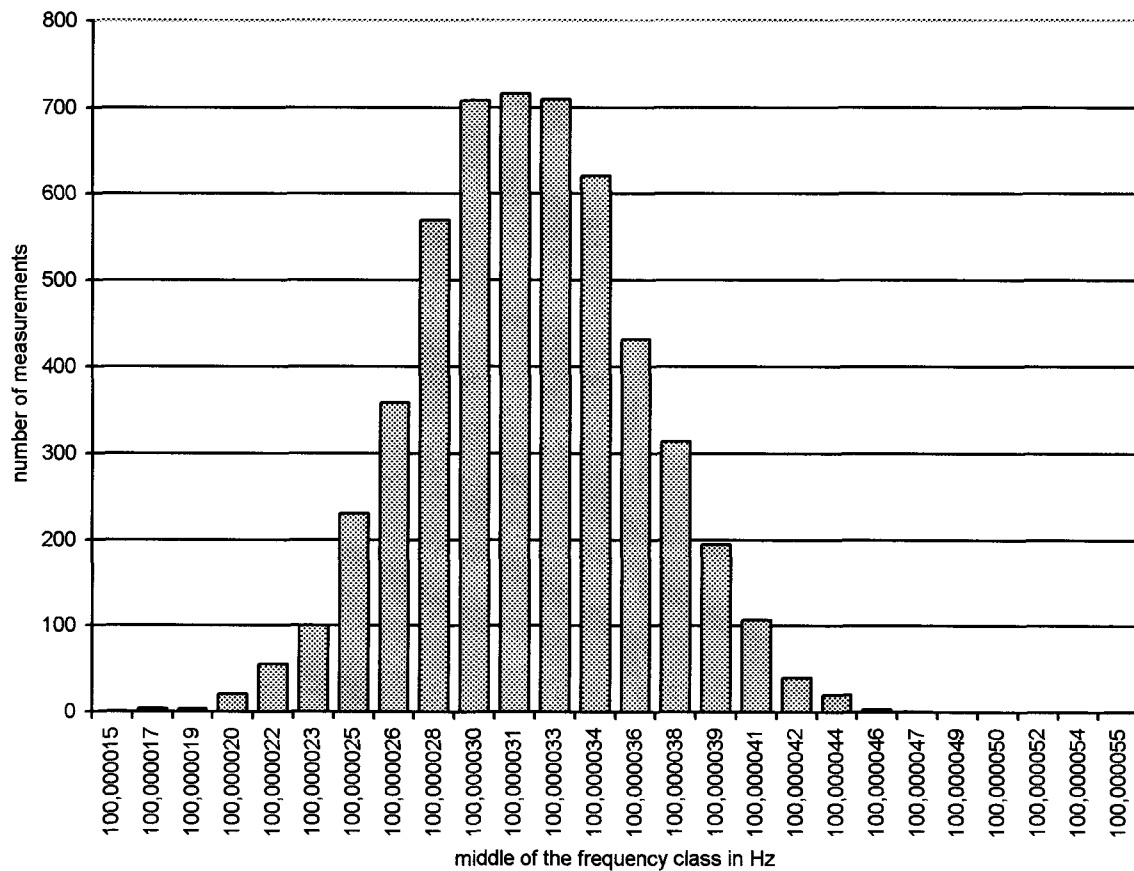
## Testprocedure ANSI 63.17-1998 6.2.3

### UCPS

|                      |                                      |
|----------------------|--------------------------------------|
| EUT                  | GN9300 UPCS (Portable) (single slot) |
| Model                | GN9300                               |
| Applicant            | RTX Telecom A/S                      |
| Temperature          | 23°C                                 |
| Test Site / Operator | ETS Reichenwalde                     |
| Test Specification   | 6.2.3 Frame repetition               |

|                              |                  |
|------------------------------|------------------|
| Width of the frequency class | 1,5948017E-06 Hz |
| Mean                         | 100,0000317 Hz   |
| Deviation                    | 4,4156712E-06    |
| 3*Deviation in ppm           | 0,132470 ppm     |
| Test result                  | Verdict = PASS   |

### Histogram



### Measurement diagram

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

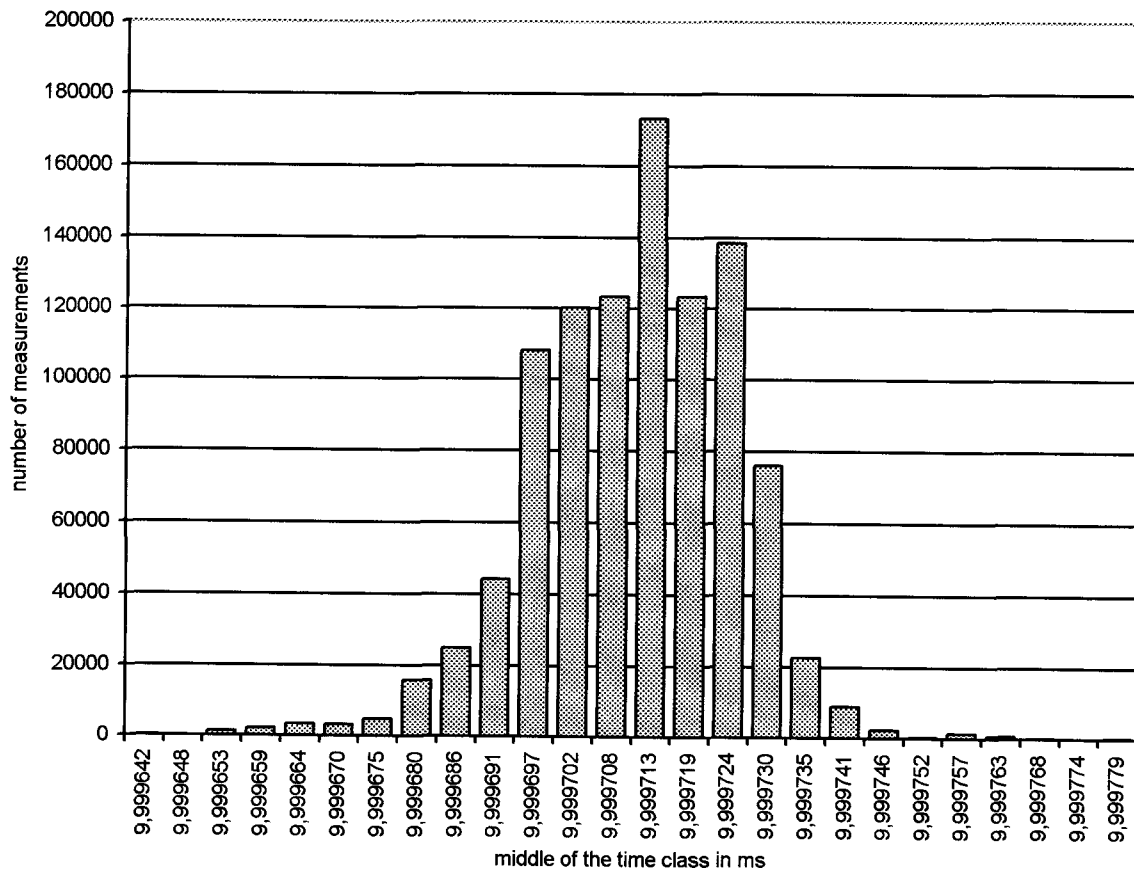
## Testprocedure ANSI 63.17-1998 6.2.4

### UCPS

|                      |                                      |
|----------------------|--------------------------------------|
| EUT                  | GN9300 UPCS (Portable) (single slot) |
| Model                | GN9300                               |
| Applicant            | RTX Telecom A/S                      |
| Temperature          | 23°C                                 |
| Test Site / Operator | ETS Reichenwalde                     |
| Test Specification   | 6.2.4 Frame Period and jitter        |

|                         |                   |
|-------------------------|-------------------|
| Width of the time class | 0,0054761 $\mu$ s |
| Mean                    | 9,9997110 ms      |
| Deviation               | 1,4140038E-05     |
| Max-Min                 | 0,1369044 $\mu$ s |
| Test result             | Verdict = PASS    |

### Histogram



### Measurement diagram

## **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                   | -10.363            | 0.493              | -5.38                 | 1924.986924 | Reference     |
| 5       | Vnom           | 1924.992                   | -18.827            | -5.486             | -9.78                 | 1924.979117 | 4.06          |
| 40      | Vnom           | 1924.992                   | -6.428             | 2.009              | -3.34                 | 1924.990313 | -1.76         |

Limit : 10 ppm

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

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

FM = Measured frequency of carrier

