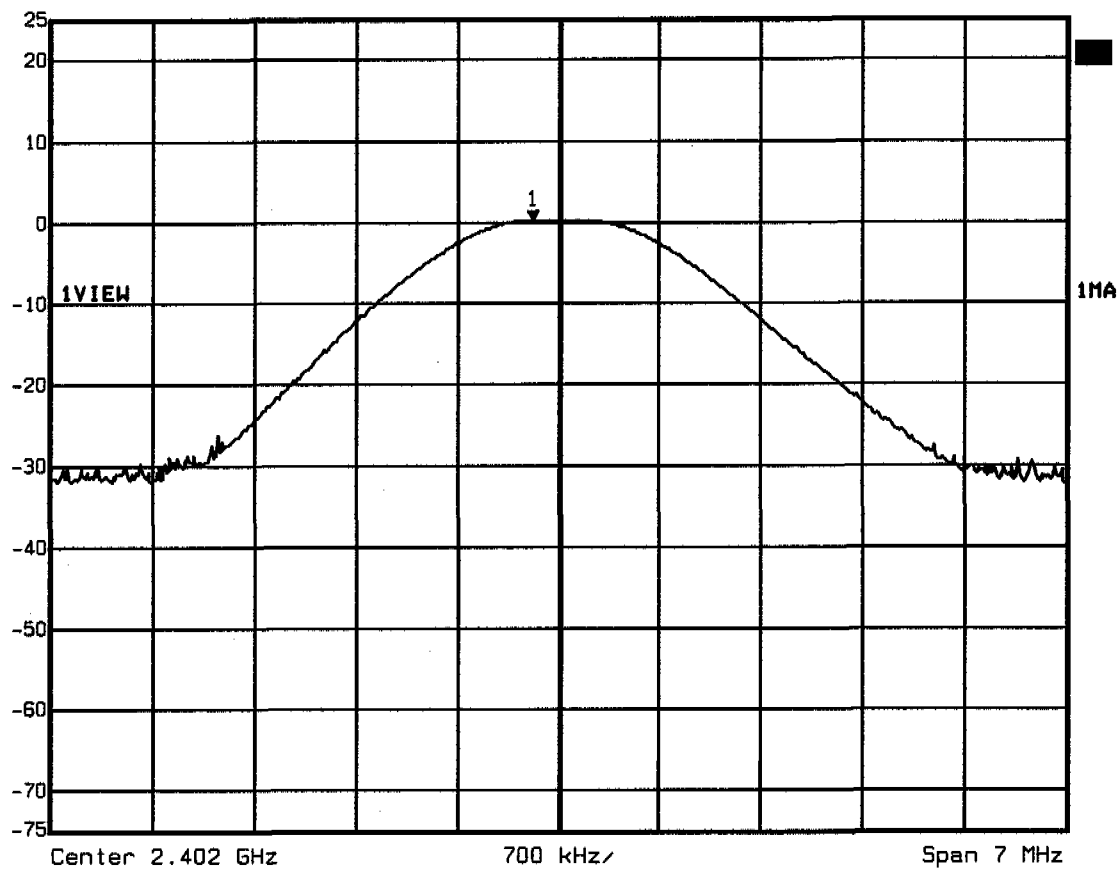


Appendix B

Peak Output Power



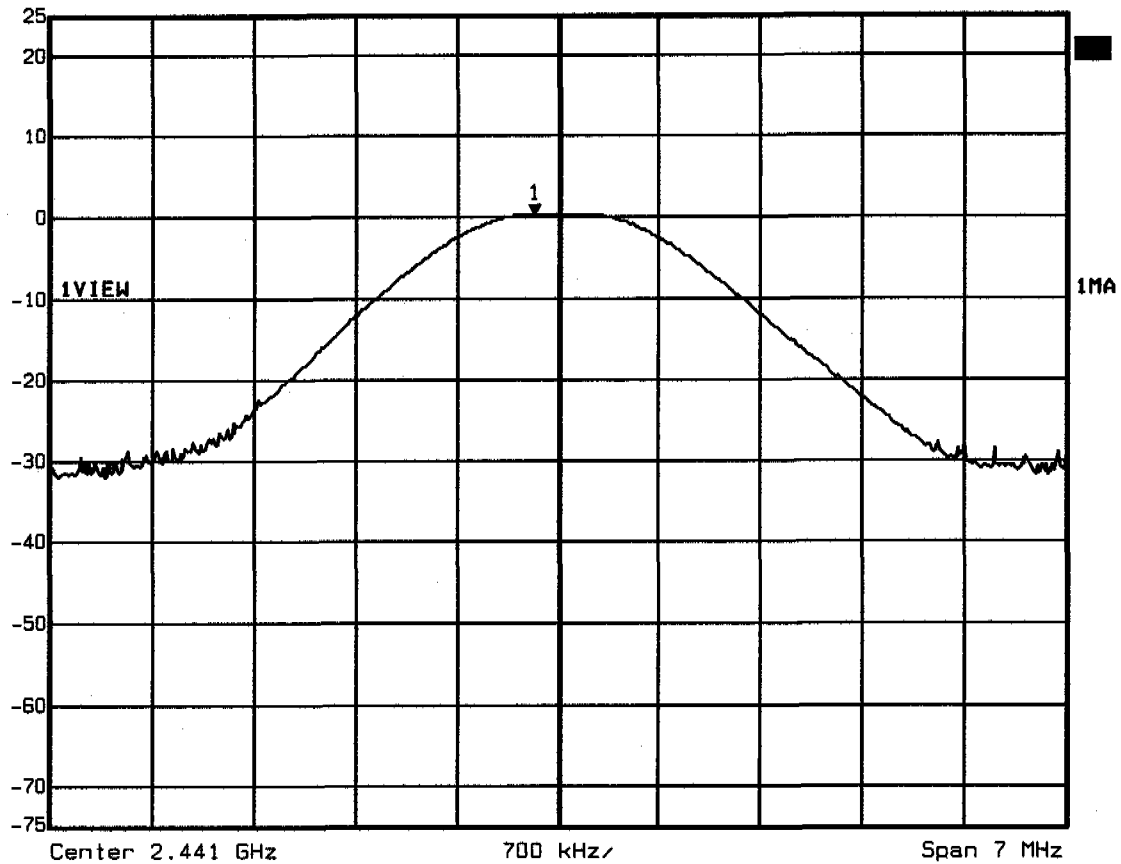
Marker 1 [T1] RBW 1 MHz RF Att 50 dB
Ref Lvl 0.24 dBm VBW 1 MHz
25 dBm 2.40182465 GHz SWT 5 ms Unit dBm



Title: Peak Output Power conducted Ch.: 0
Comment A: Bluetooth RS232 Mini Adaptor
Date: 13.AUG.2004 07:56:24



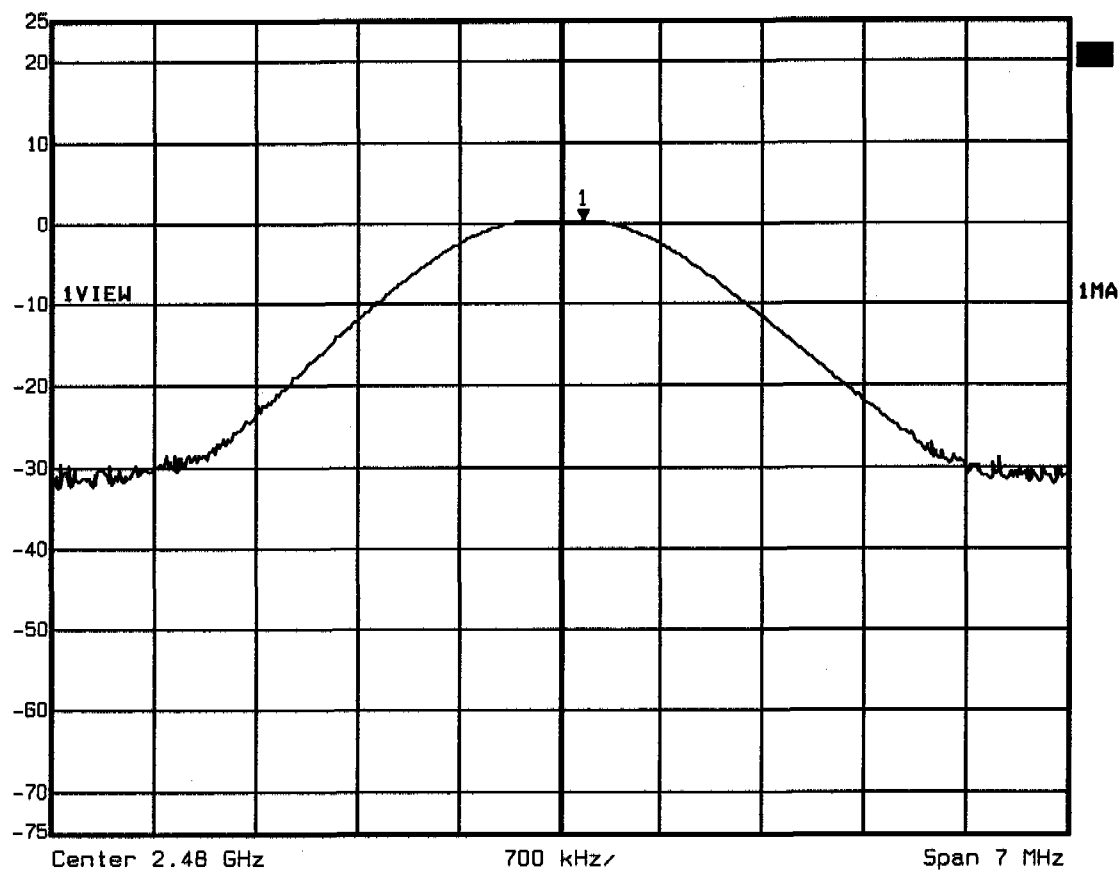
Marker 1 [T1] RBW 1 MHz RF Att 50 dB
Ref Lvl 0.25 dBm VBW 1 MHz
25 dBm 2.44083868 GHz SWT 5 ms Unit dBm



Title: Peak Output Power conducted Ch.: 39
Comment A: Bluetooth RS232 Mini Adaptor
Date: 13.AUG.2004 07:57:32



Marker 1 [T1] RBW 1 MHz RF Att 50 dB
Ref Lvl 0.25 dBm VBW 1 MHz
25 dBm 2.48016132 GHz SWT 5 ms Unit dBm

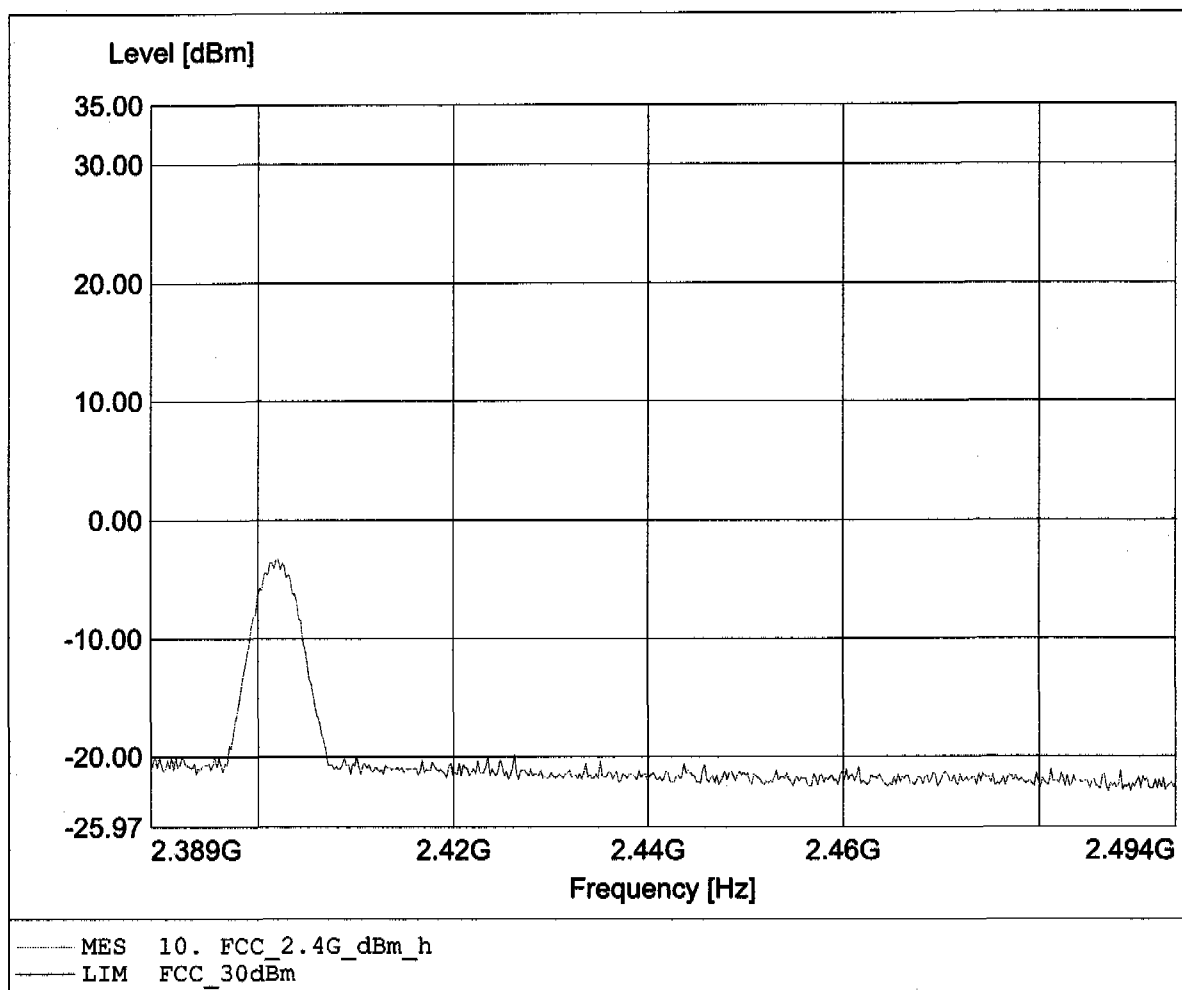


Title: Peak Output Power conducted Ch.: 78
Comment A: Bluetooth RS232 Mini Adaptor
Date: 13.AUG.2004 07:58:25

Carrier power (dBm)

FCC RULES PART 15, SUBPART C

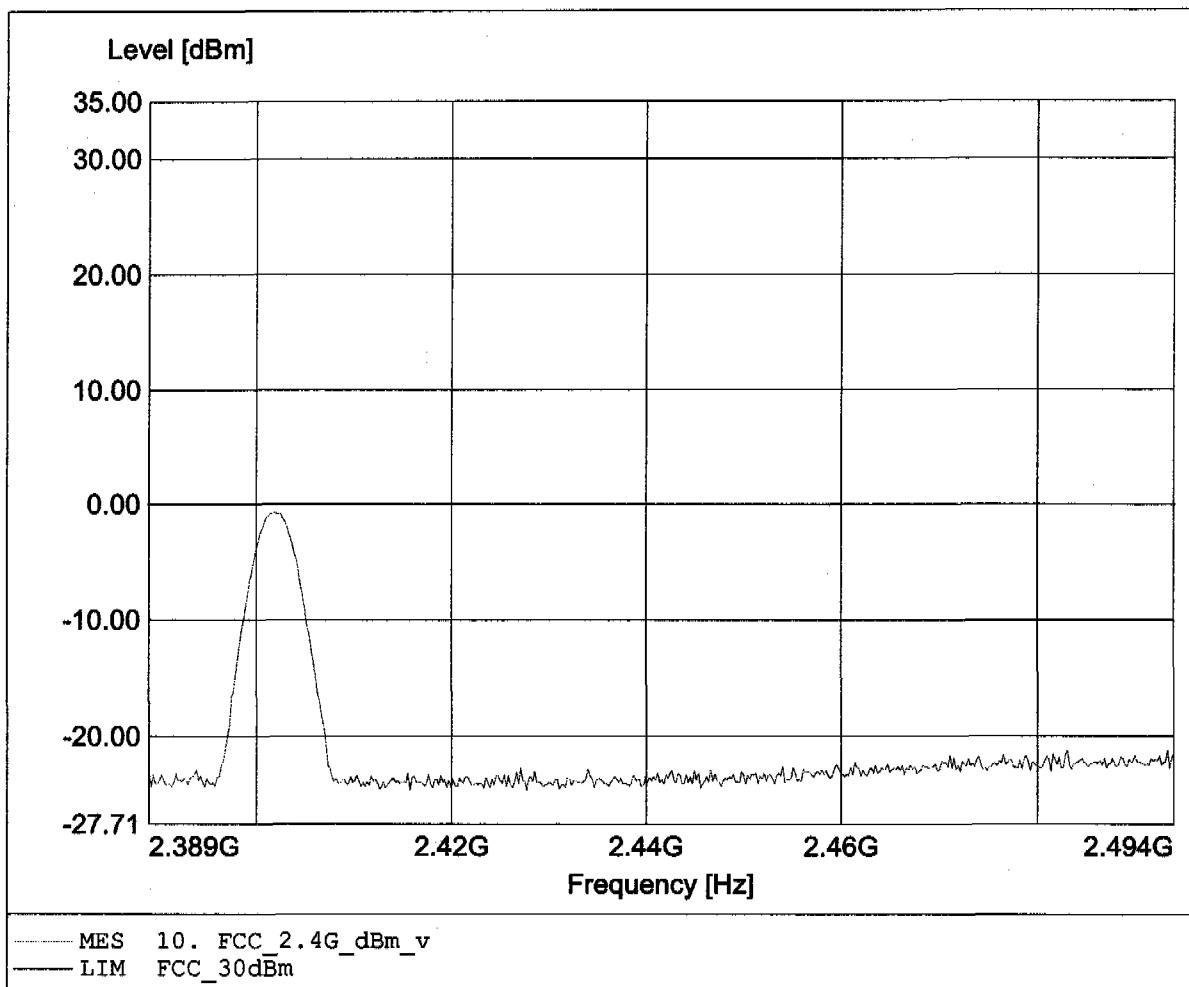
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2402 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Pmax: -3.33dBm, RBW: 5MHz



Carrier power (dBm)

FCC RULES PART 15, SUBPART C

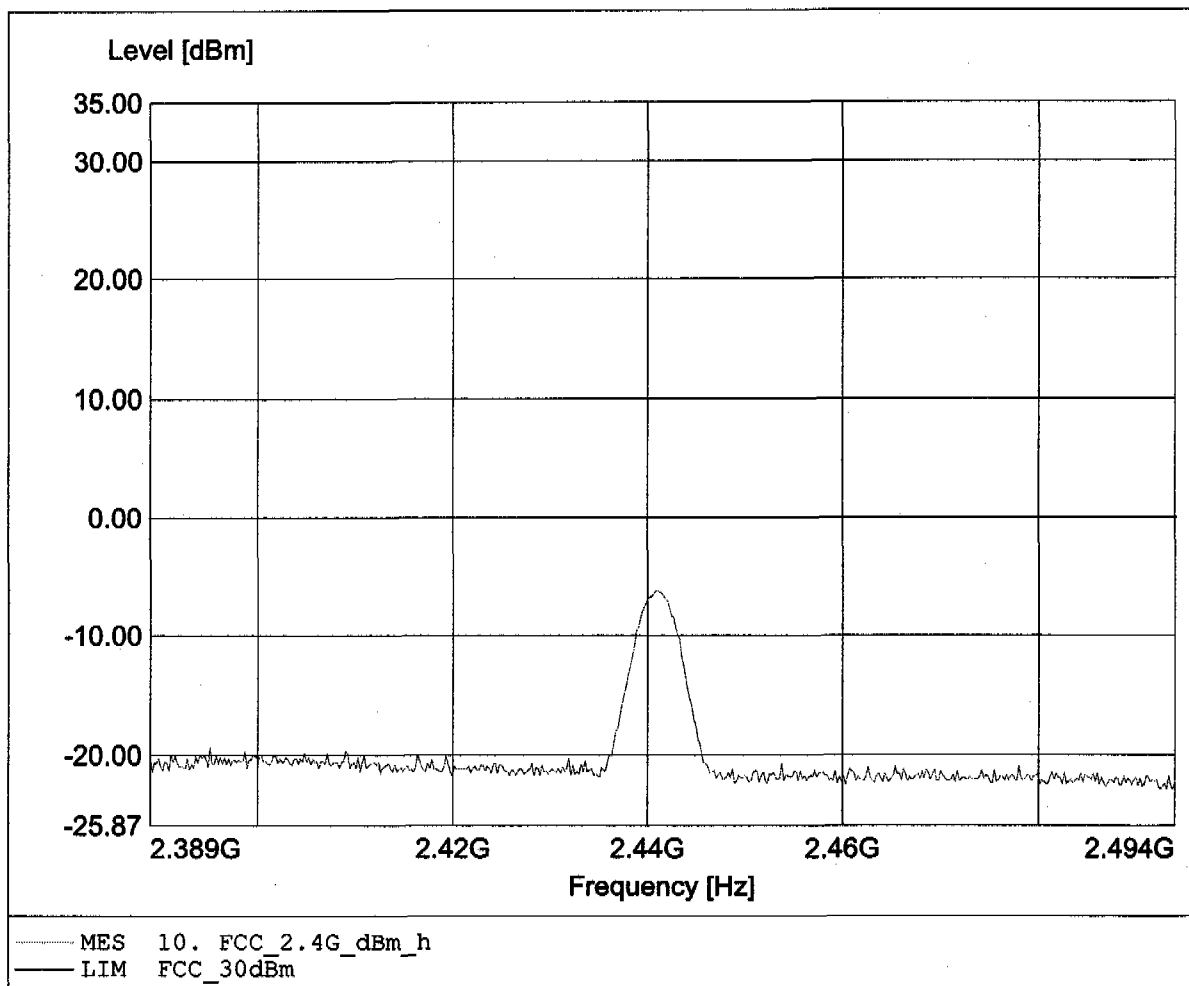
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2402 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Pmax: -0.69dBm, RBW: 5MHz



Carrier power (dBm)

FCC RULES PART 15, SUBPART C

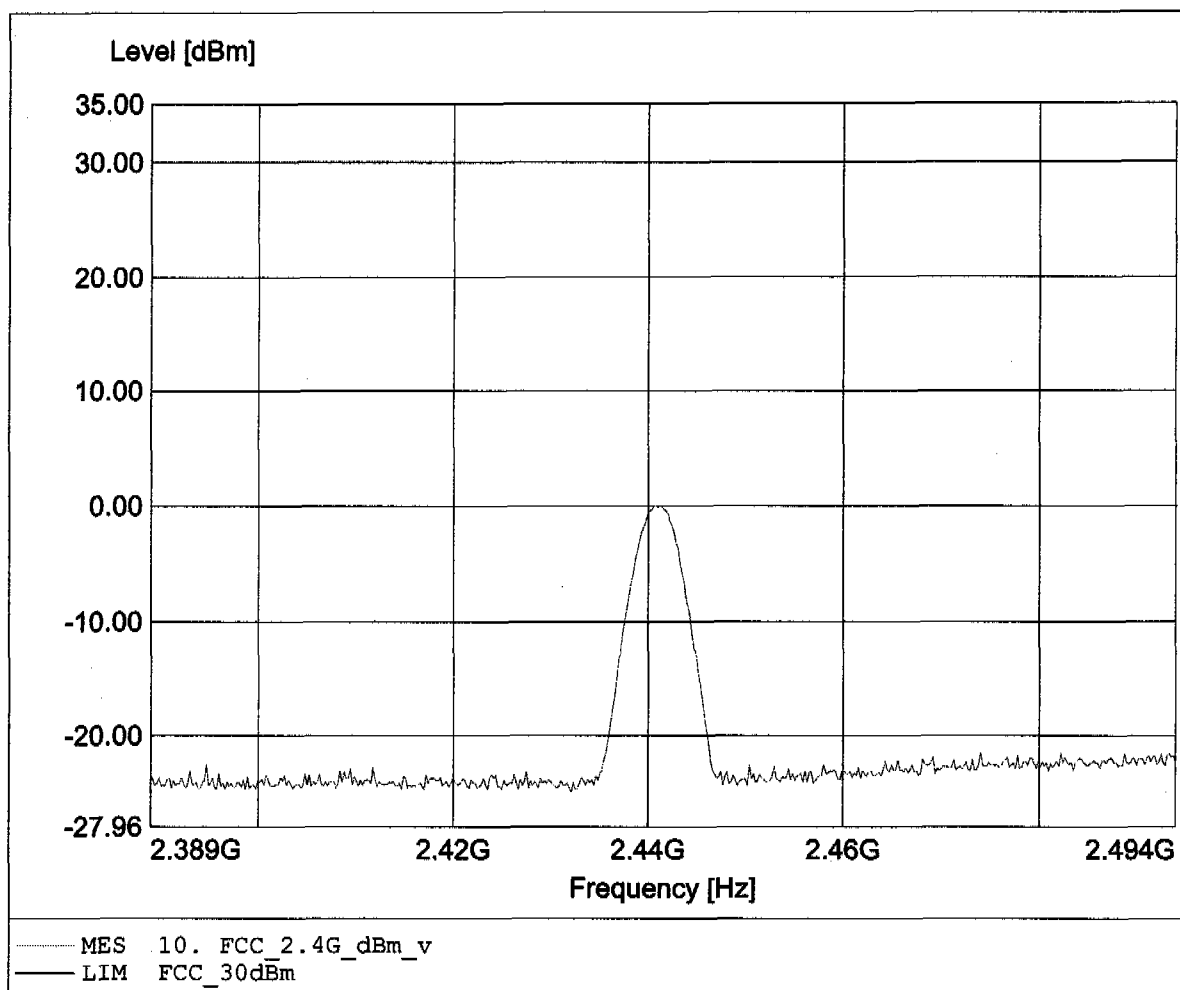
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2441 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Pmax: -6.25dBm, RBW: 5MHz



Carrier power (dBm)

FCC RULES PART 15, SUBPART C

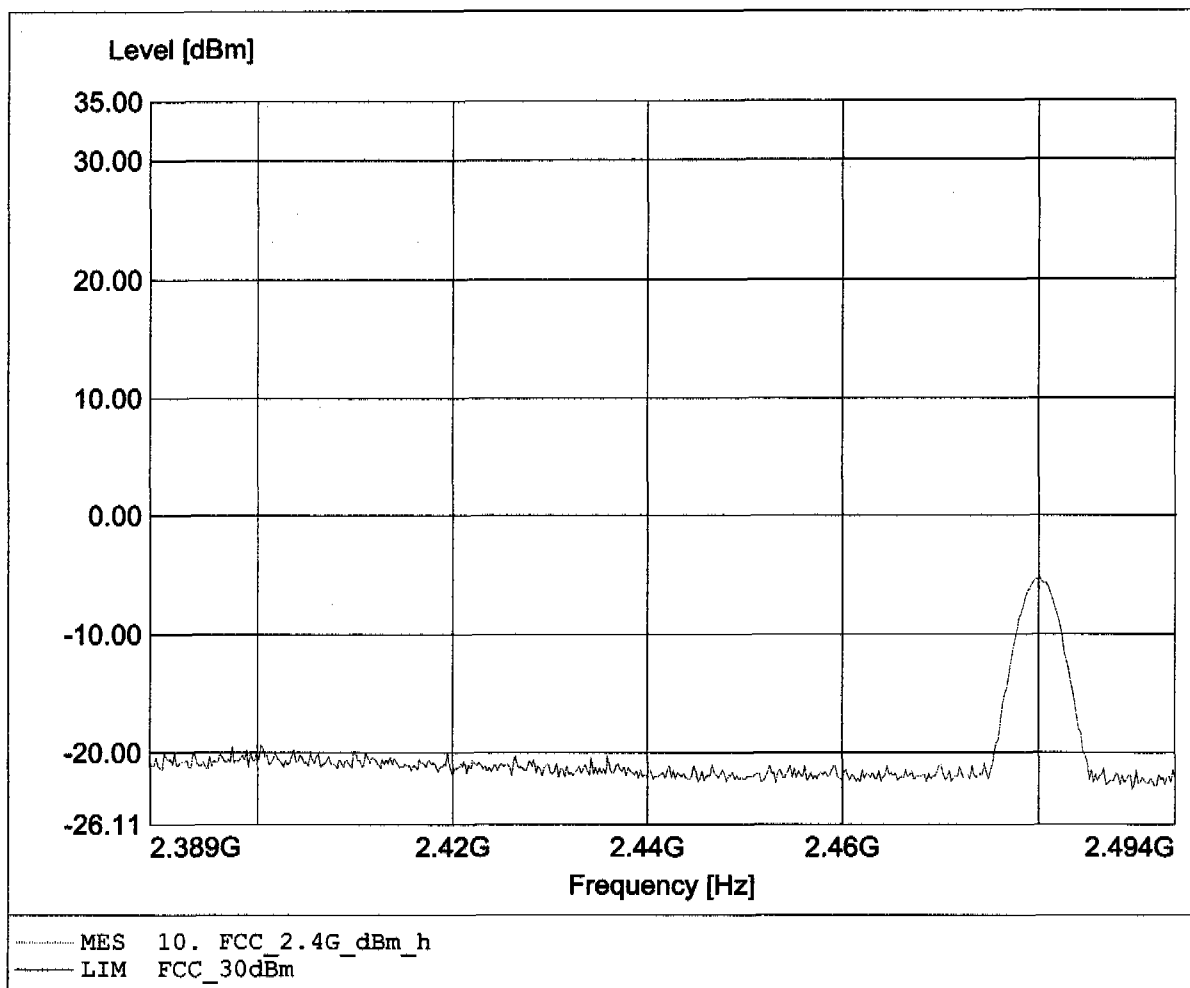
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2441 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Pmax: -0.01dBm, RBW: 5MHz



Carrier power (dBm)

FCC RULES PART 15, SUBPART C

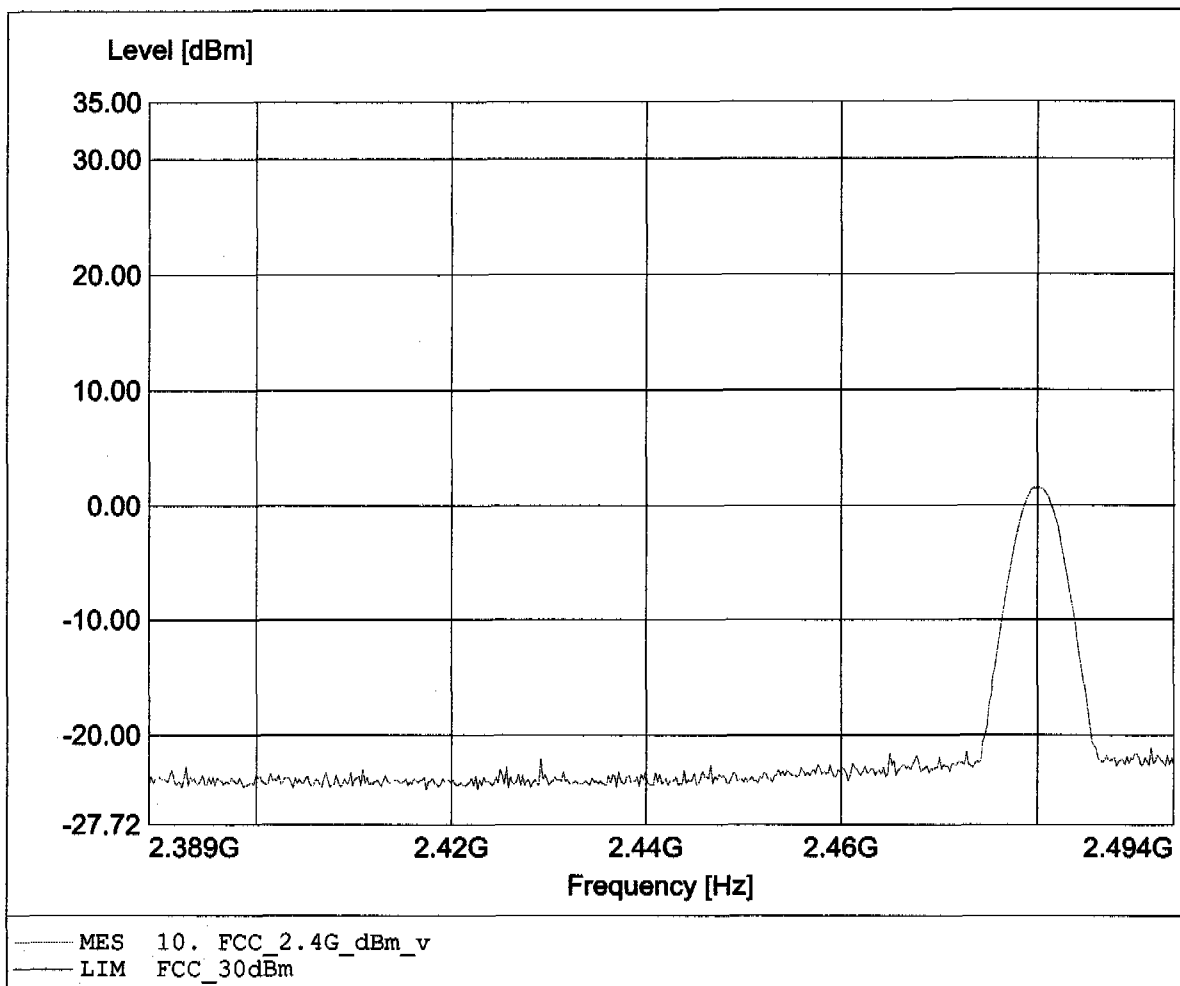
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2480 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Pmax: -5.30dBm, RBW: 5MHz



Carrier power (dBm)

FCC RULES PART 15, SUBPART C

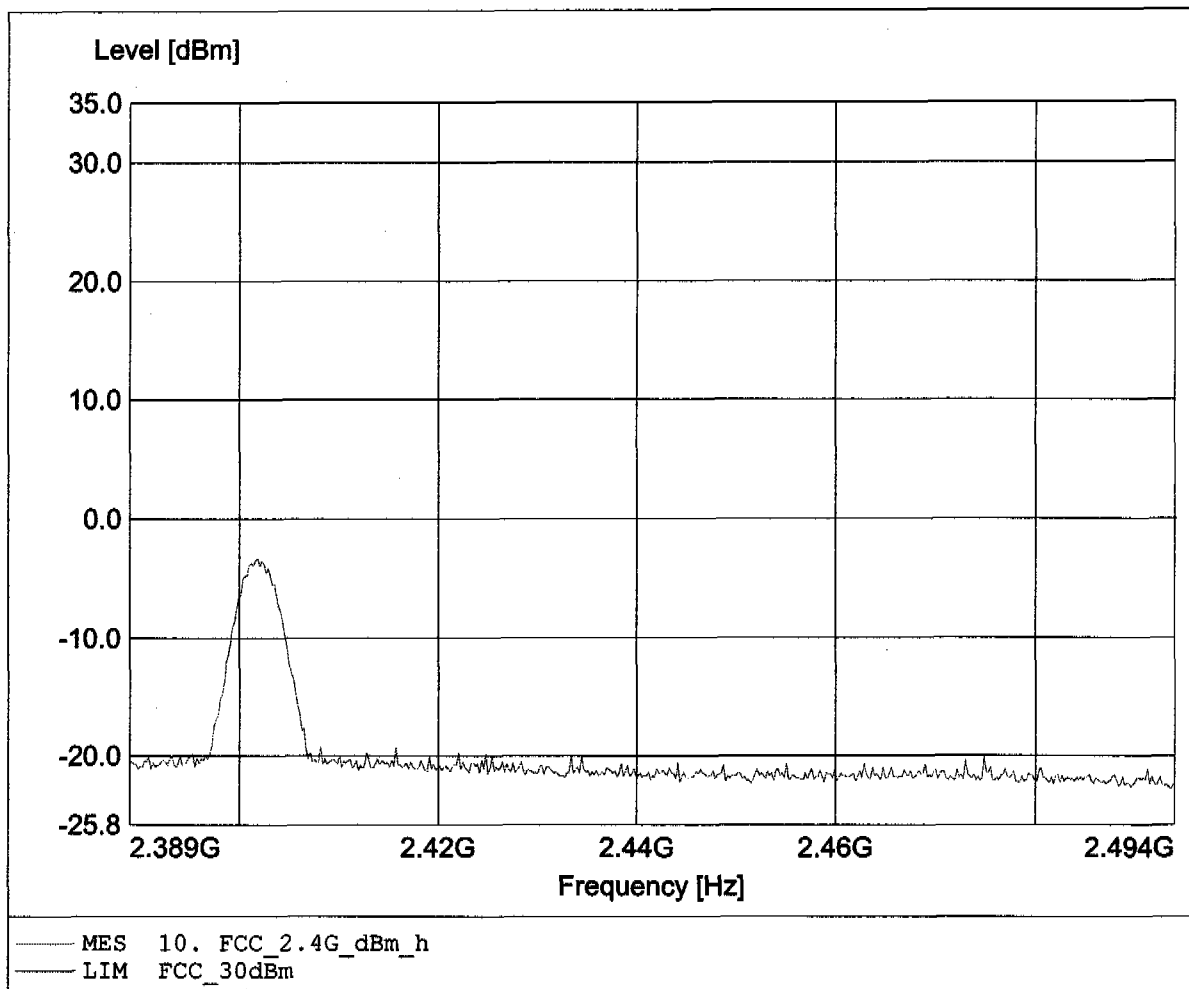
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2480 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Pmax: 1.54dBm, RBW: 5MHz



Carrier power (dBm)

FCC RULES PART 15, SUBPART C

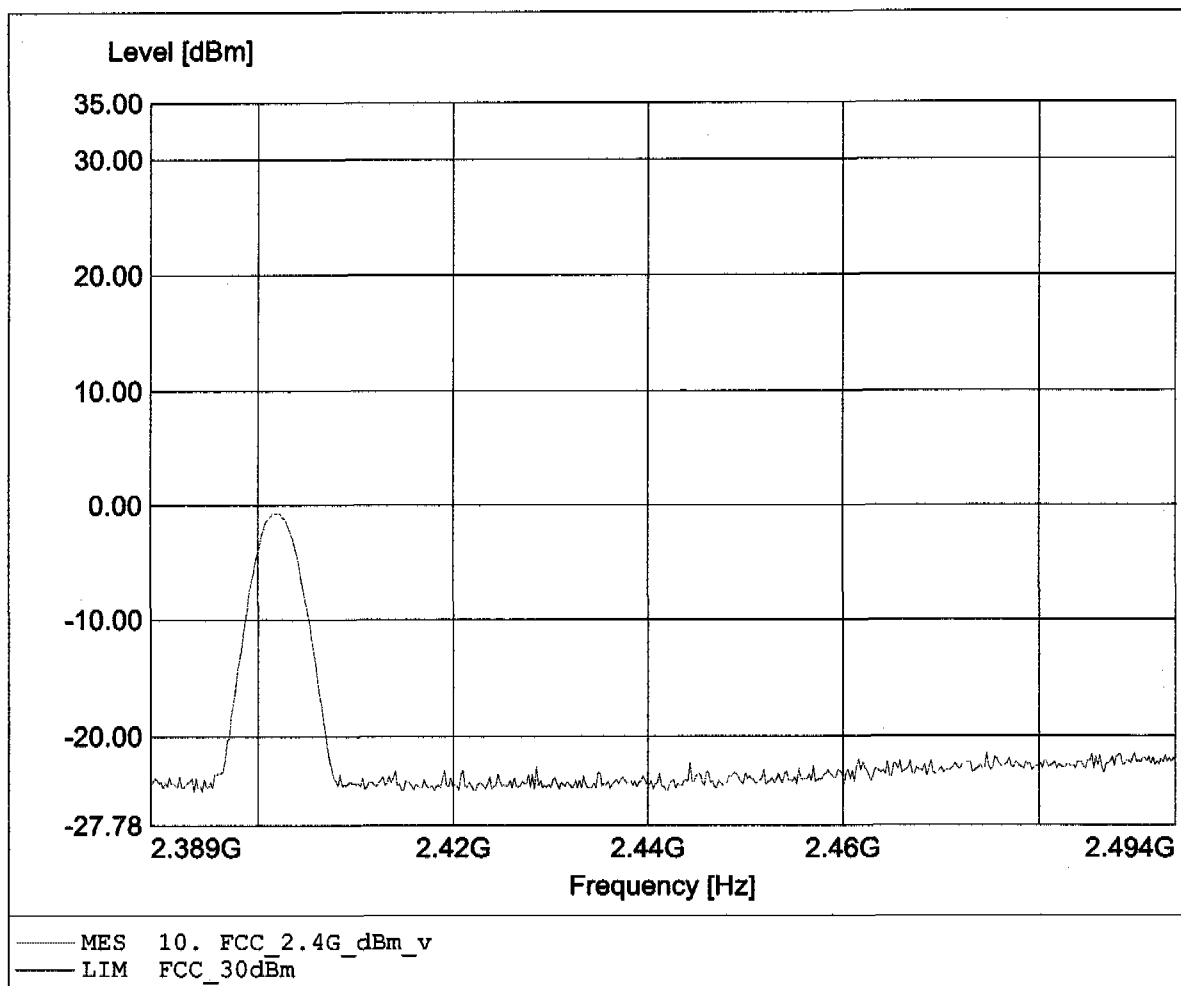
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2402 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC (AC/DC adaptor -15%)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Pmax: -3.33dBm, RBW: 5MHz



Carrier power (dBm)

FCC RULES PART 15, SUBPART C

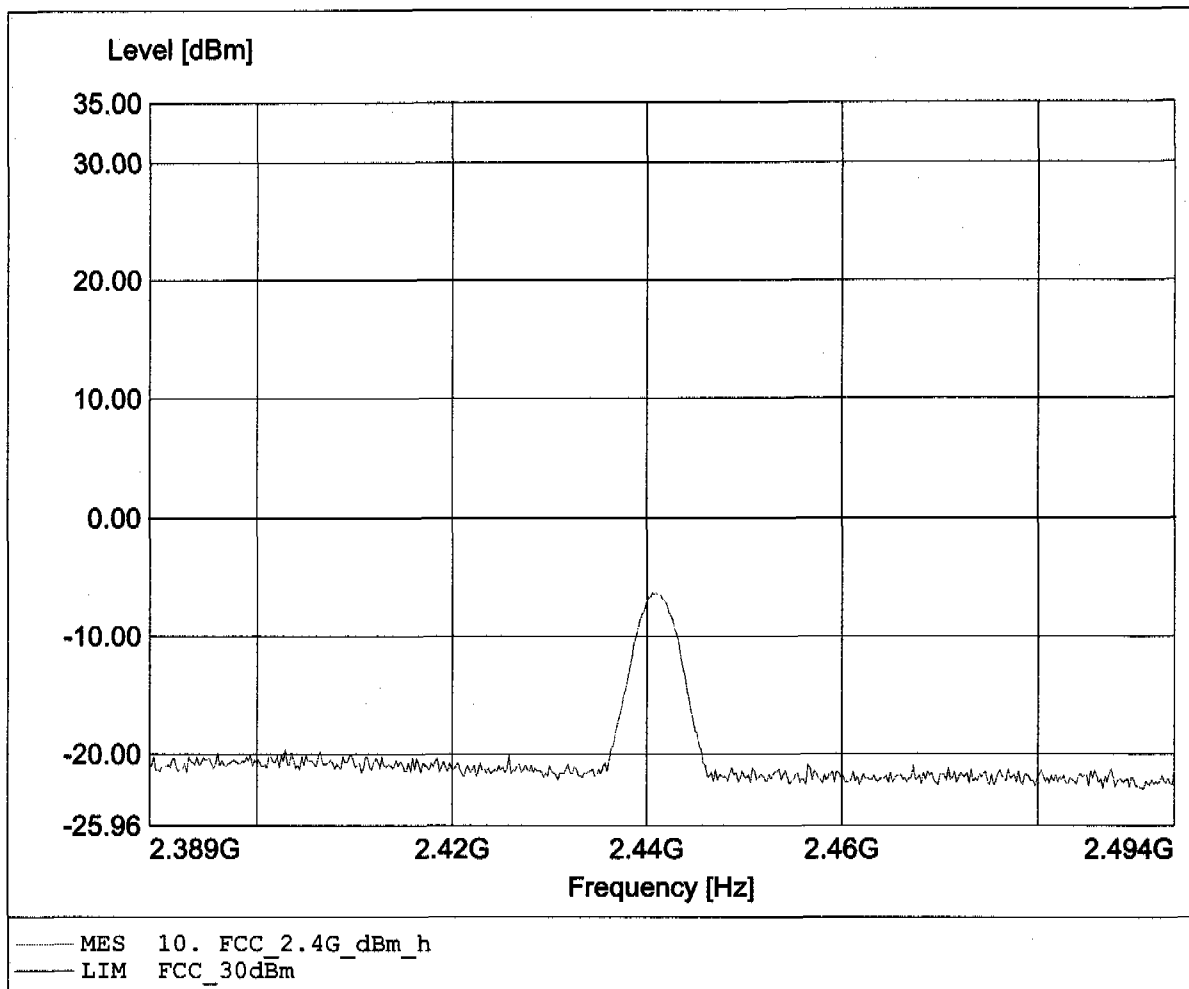
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2402 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC (AC/DC adaptor -15%)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Pmax: -0.66dBm, RBW: 5MHz



Carrier power (dBm)

FCC RULES PART 15, SUBPART C

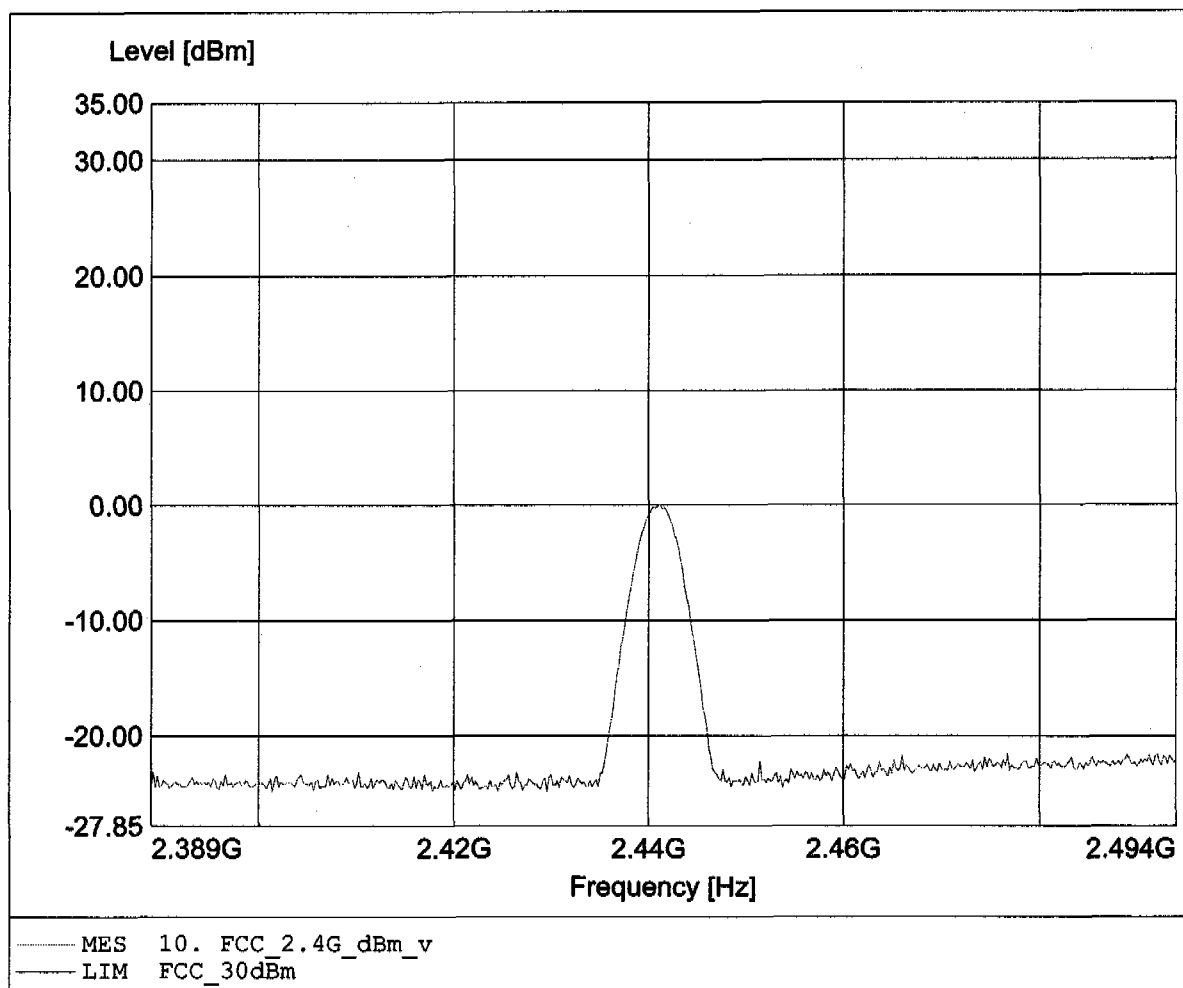
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2441 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC (AC/DC adaptor -15%)
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Pmax: -6.33dBm, RBW: 5MHz



Carrier power (dBm)

FCC RULES PART 15, SUBPART C

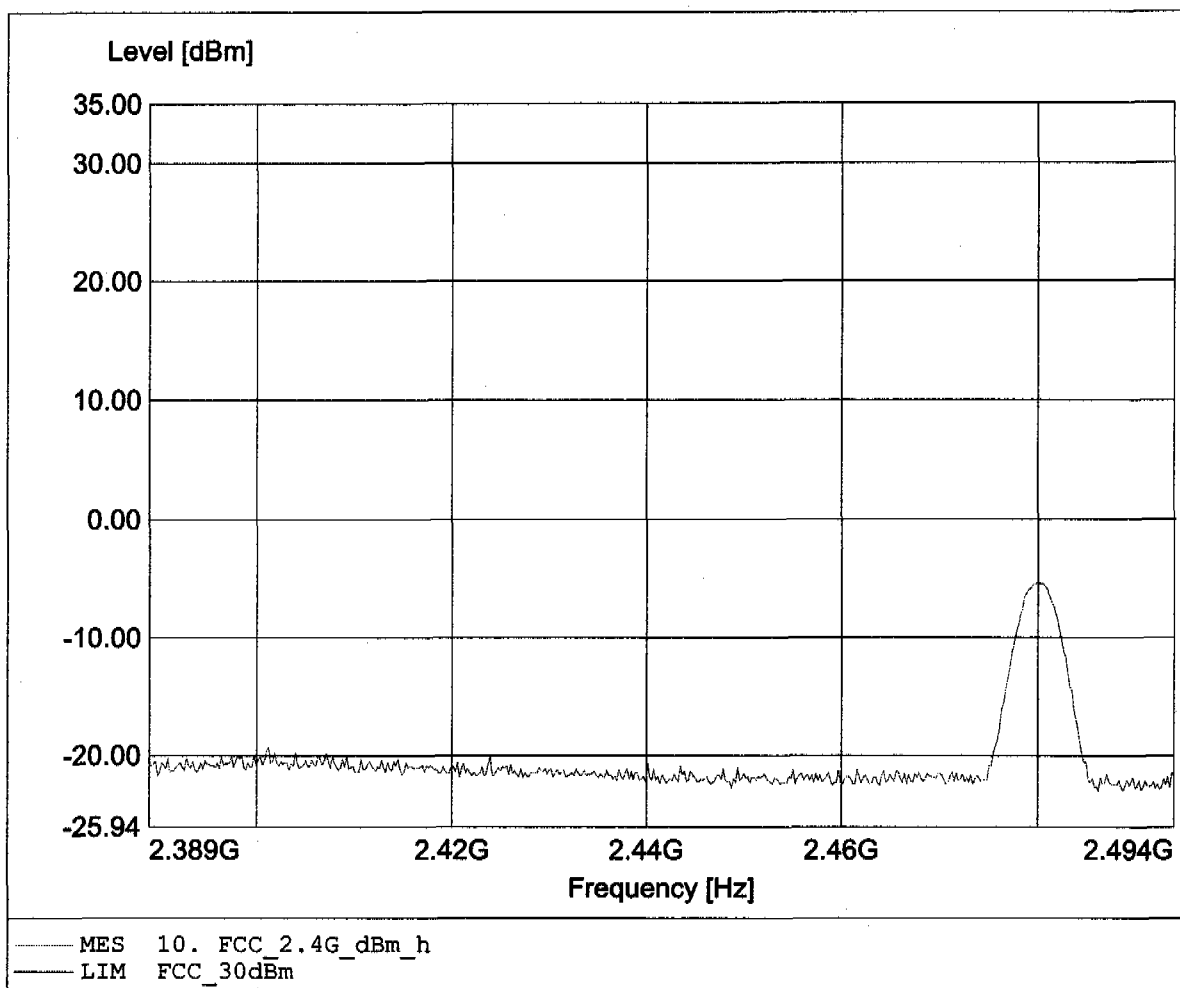
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2441 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC (AC/DC adaptor -15%)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Pmax: -0.01dBm, RBW: 5MHz



Carrier power (dBm)

FCC RULES PART 15, SUBPART C

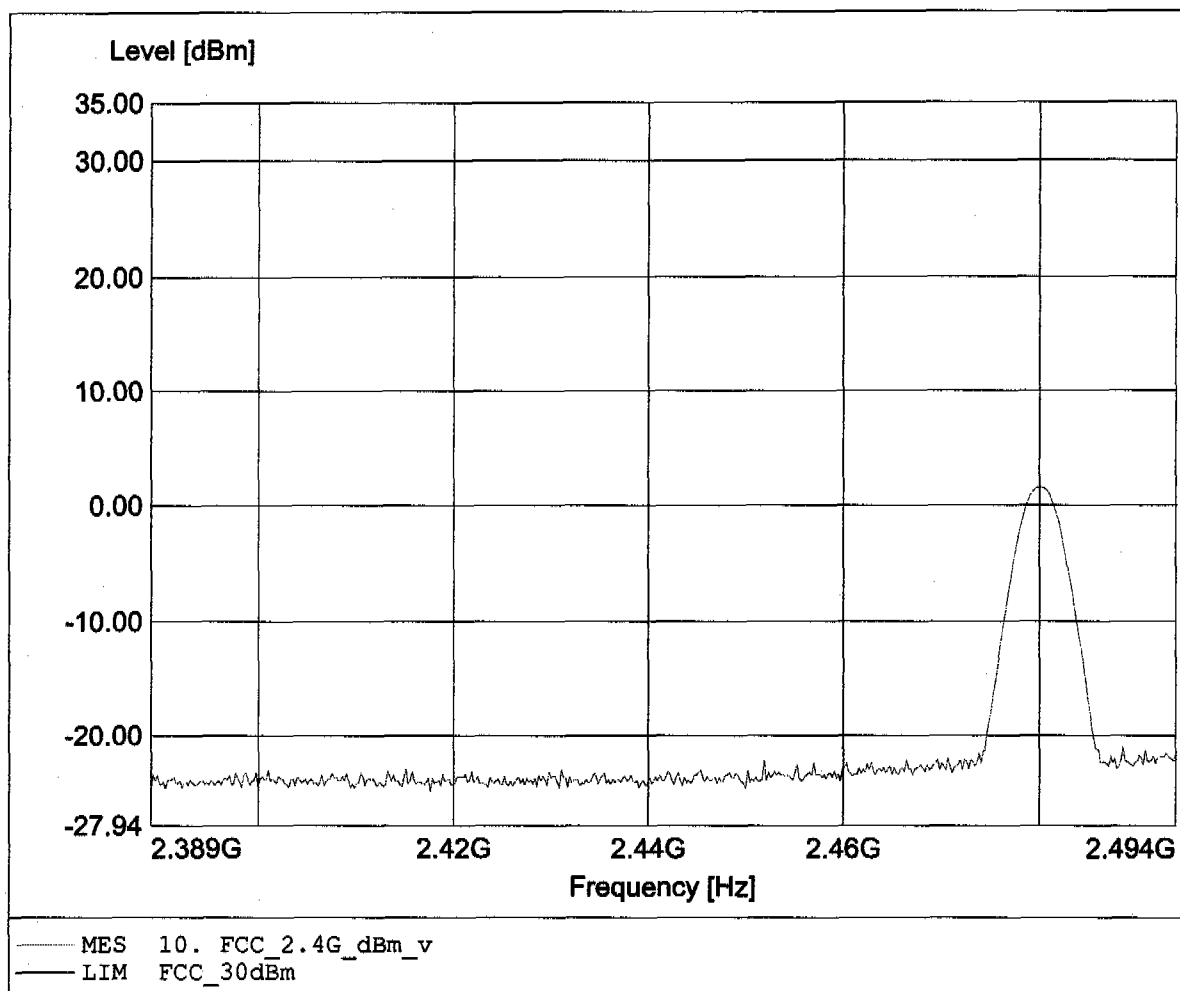
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2480 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC (AC/DC adaptor -15%)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Pmax: -5.36dBm, RBW: 5MHz



Carrier power (dBm)

FCC RULES PART 15, SUBPART C

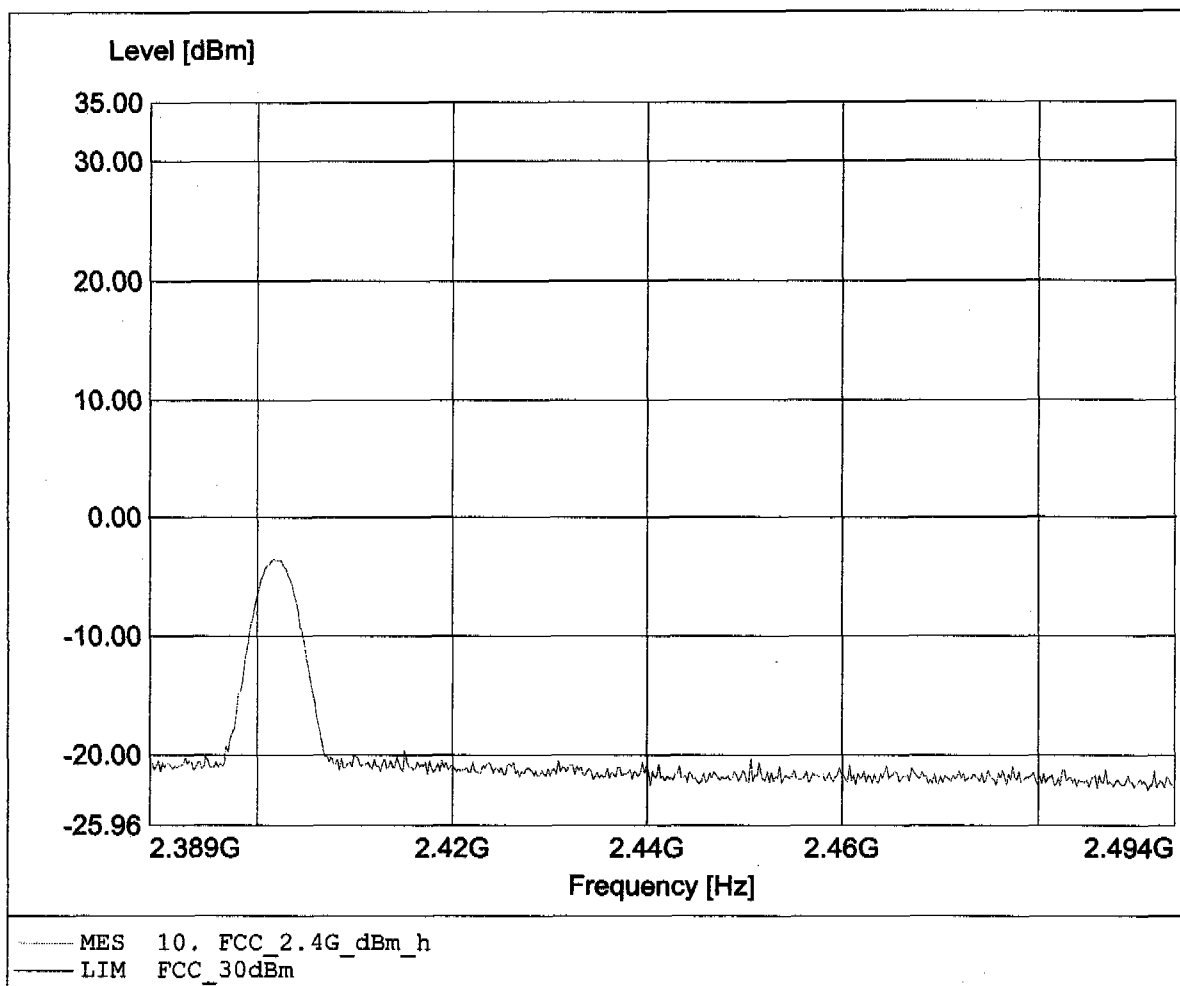
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2480 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC (AC/DC adaptor -15%)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Pmax: 1.53dBm, RBW: 5MHz



Carrier power (dBm)

FCC RULES PART 15, SUBPART C

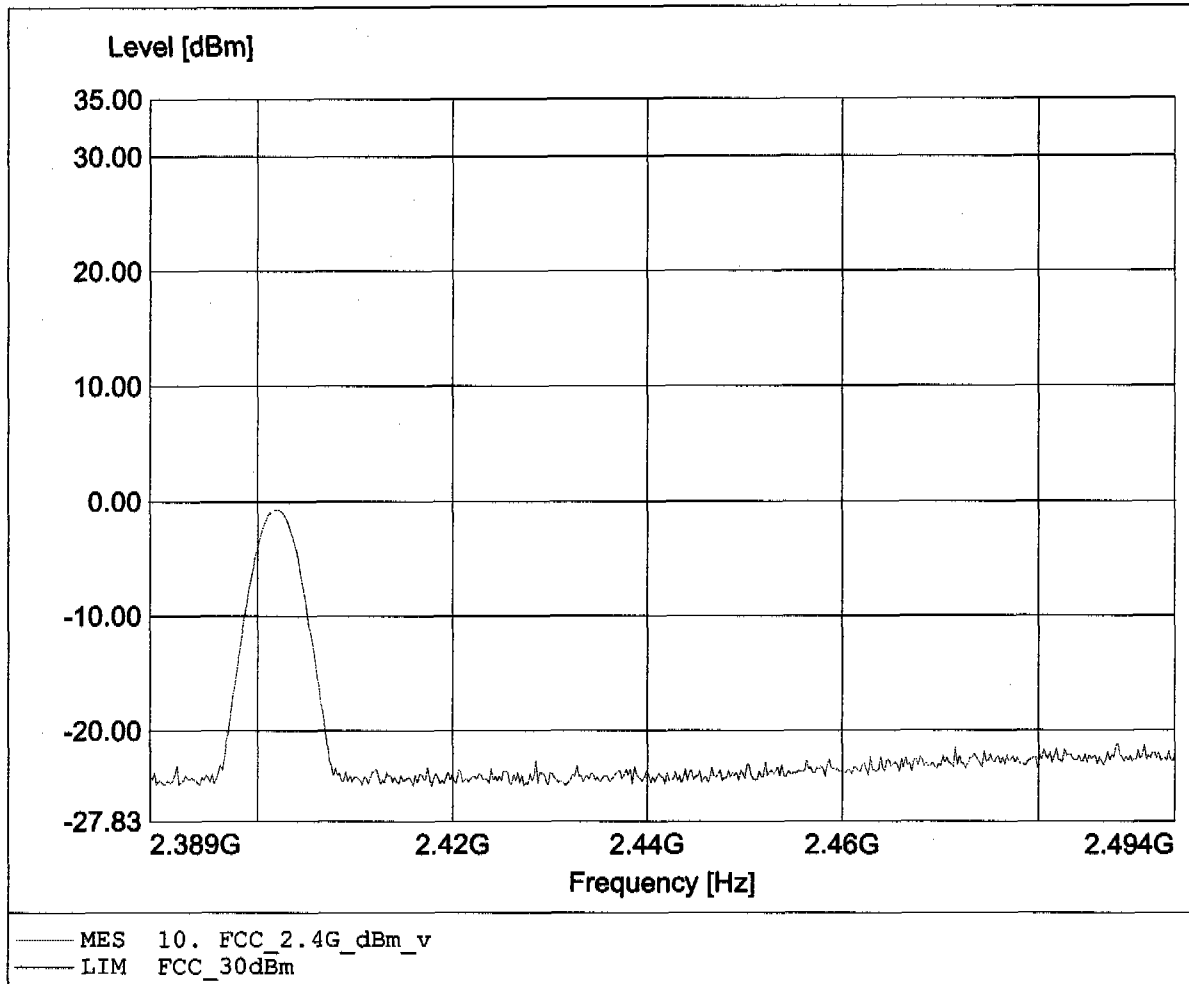
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2402 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC (AC/DC adaptor +15%)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Pmax: -3.54dBm, RBW: 5MHz



Carrier power (dBm)

FCC RULES PART 15, SUBPART C

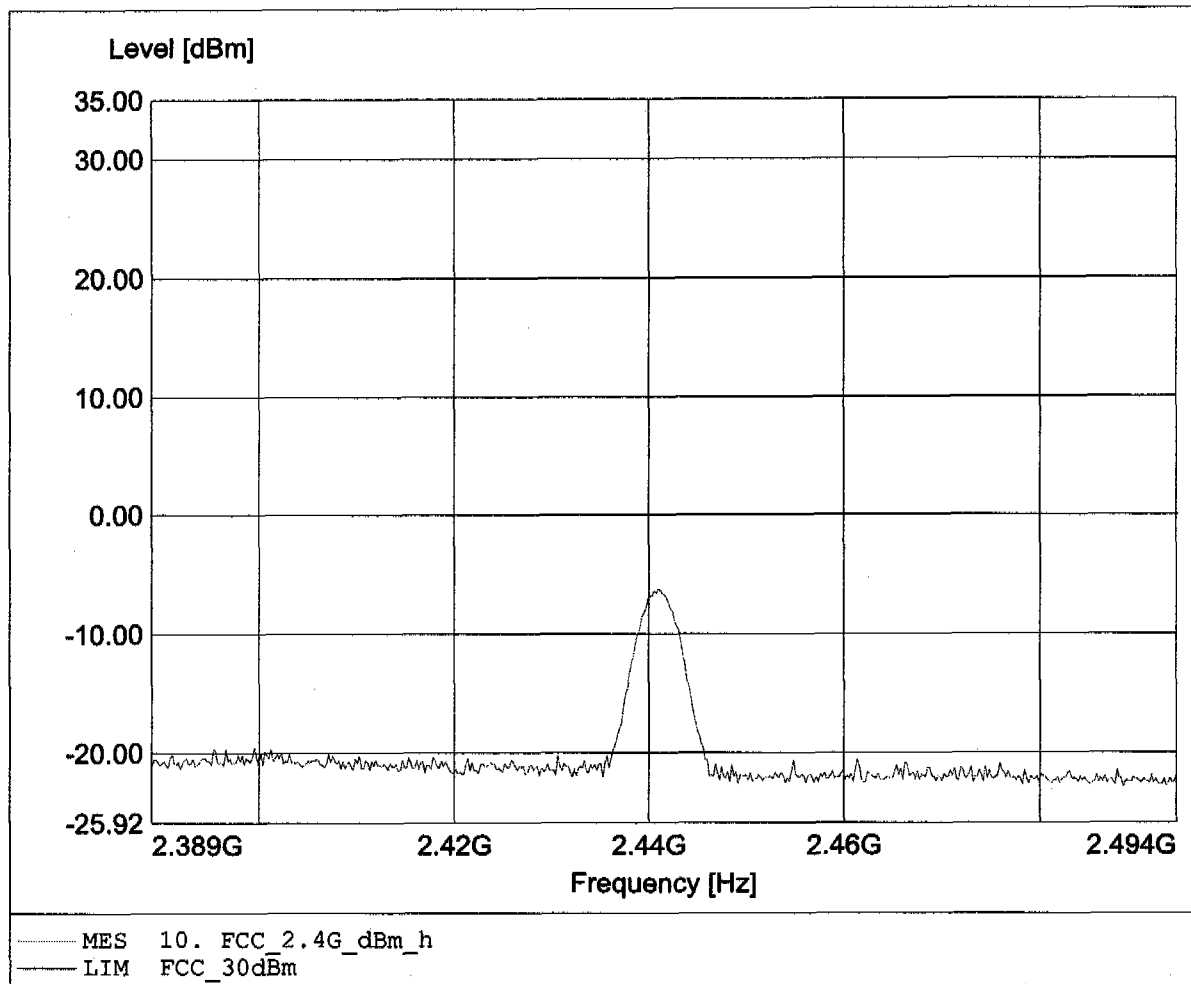
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2402 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC (AC/DC adaptor +15%)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Pmax: -0.69dBm, RBW: 5MHz



Carrier power (dBm)

FCC RULES PART 15, SUBPART C

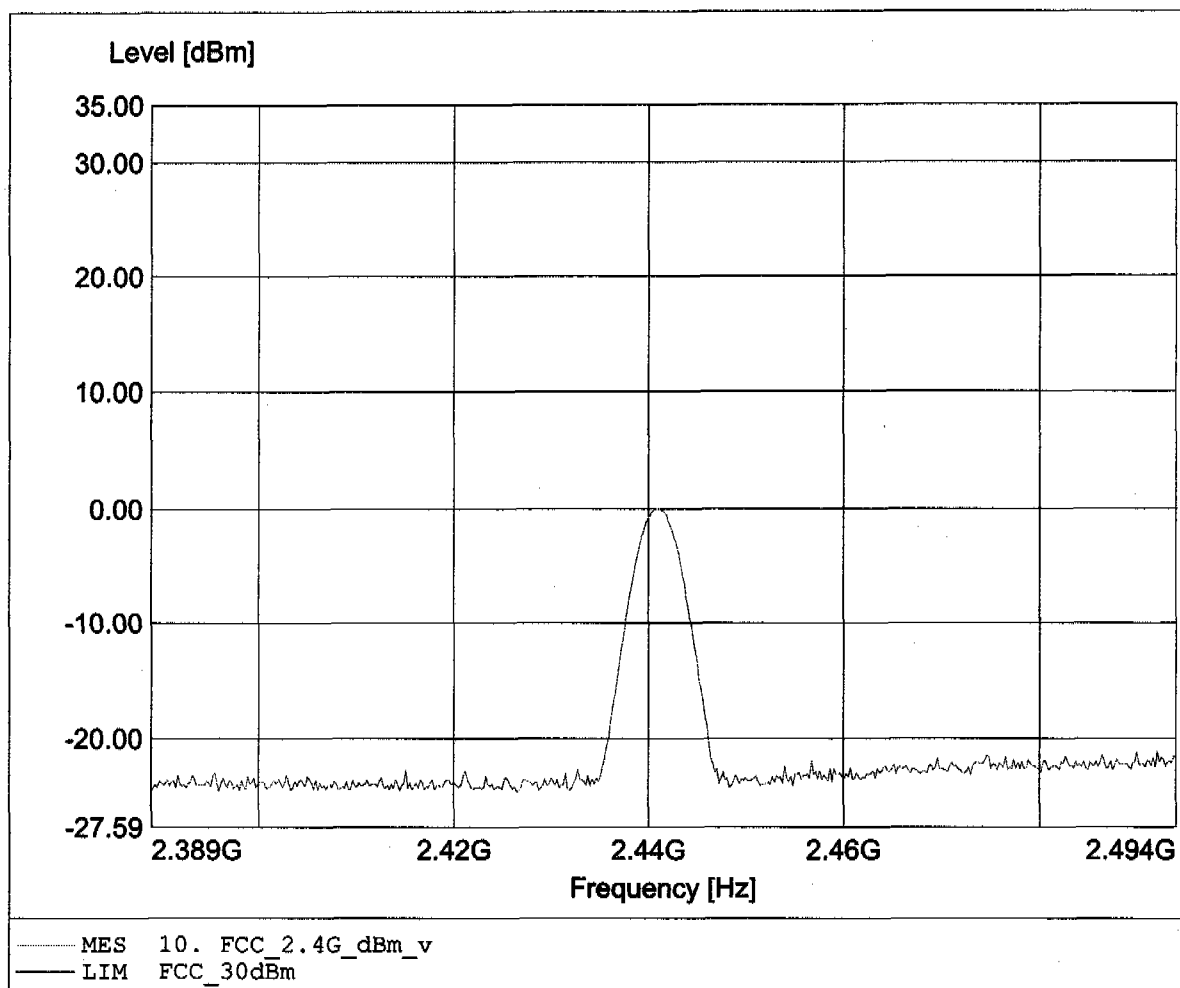
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2441 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC (AC/DC adaptor +15%)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Pmax: -6.24dBm, RBW: 5MHz



Carrier power (dBm)

FCC RULES PART 15, SUBPART C

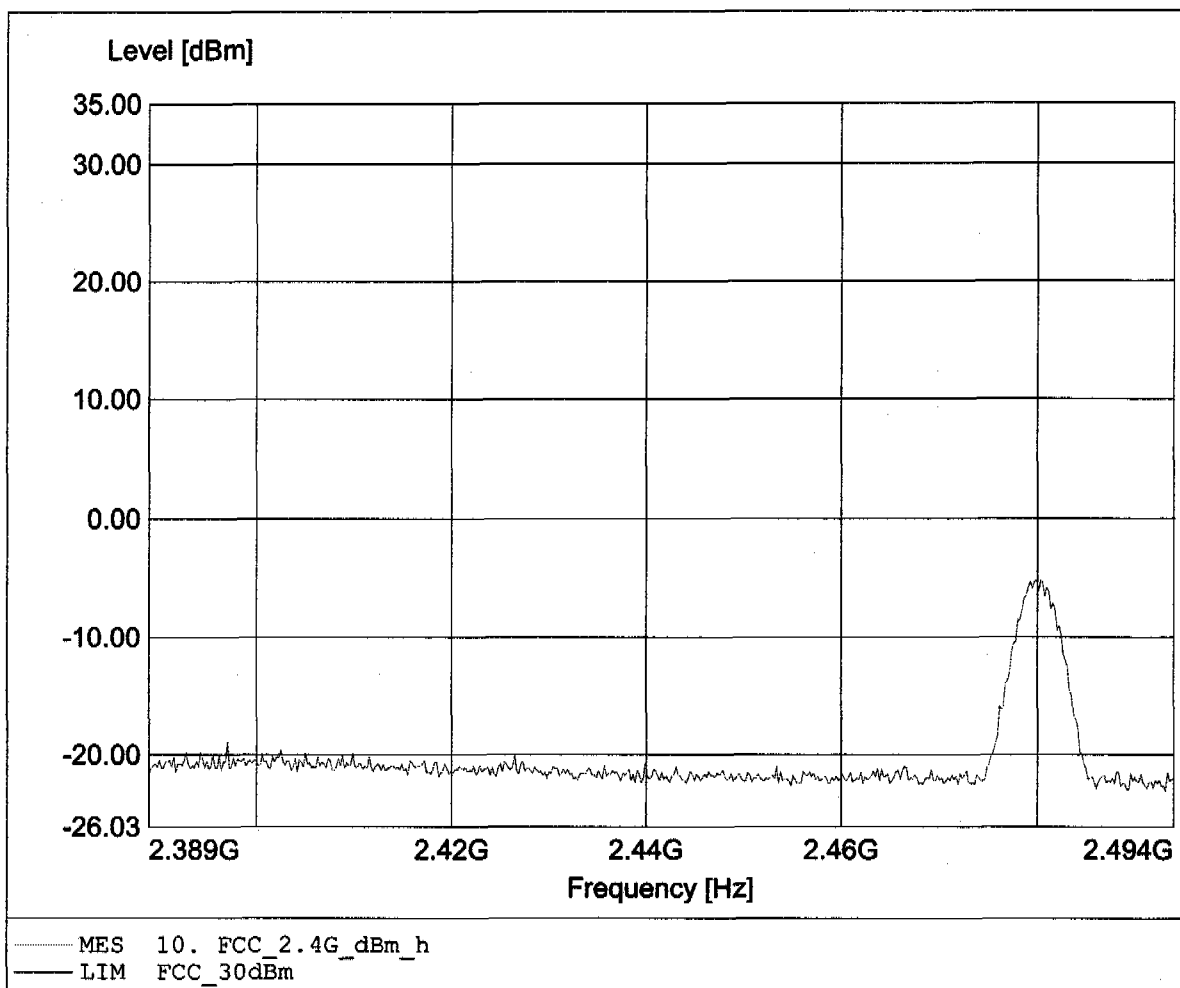
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2441 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC (AC/DC adaptor +15%)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Pmax: -0.01dBm, RBW: 5MHz



Carrier power (dBm)

FCC RULES PART 15, SUBPART C

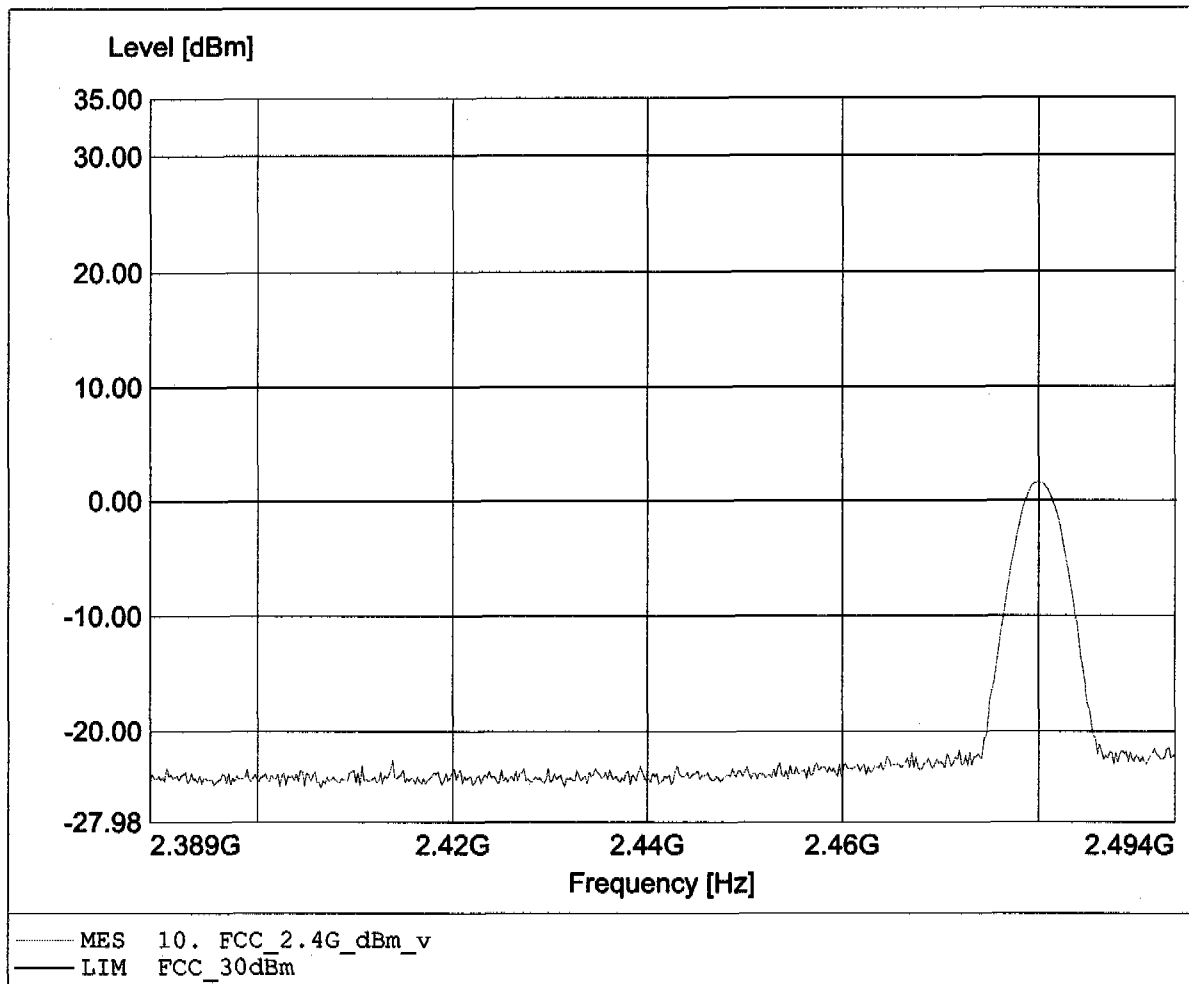
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2480 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC (AC/DC adaptor +15%)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Pmax: -5.12dBm, RBW: 5MHz



Carrier power (dBm)

FCC RULES PART 15, SUBPART C

Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2480 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC (AC/DC adaptor +15%)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Pmax: 1.63dBm, RBW: 5MHz



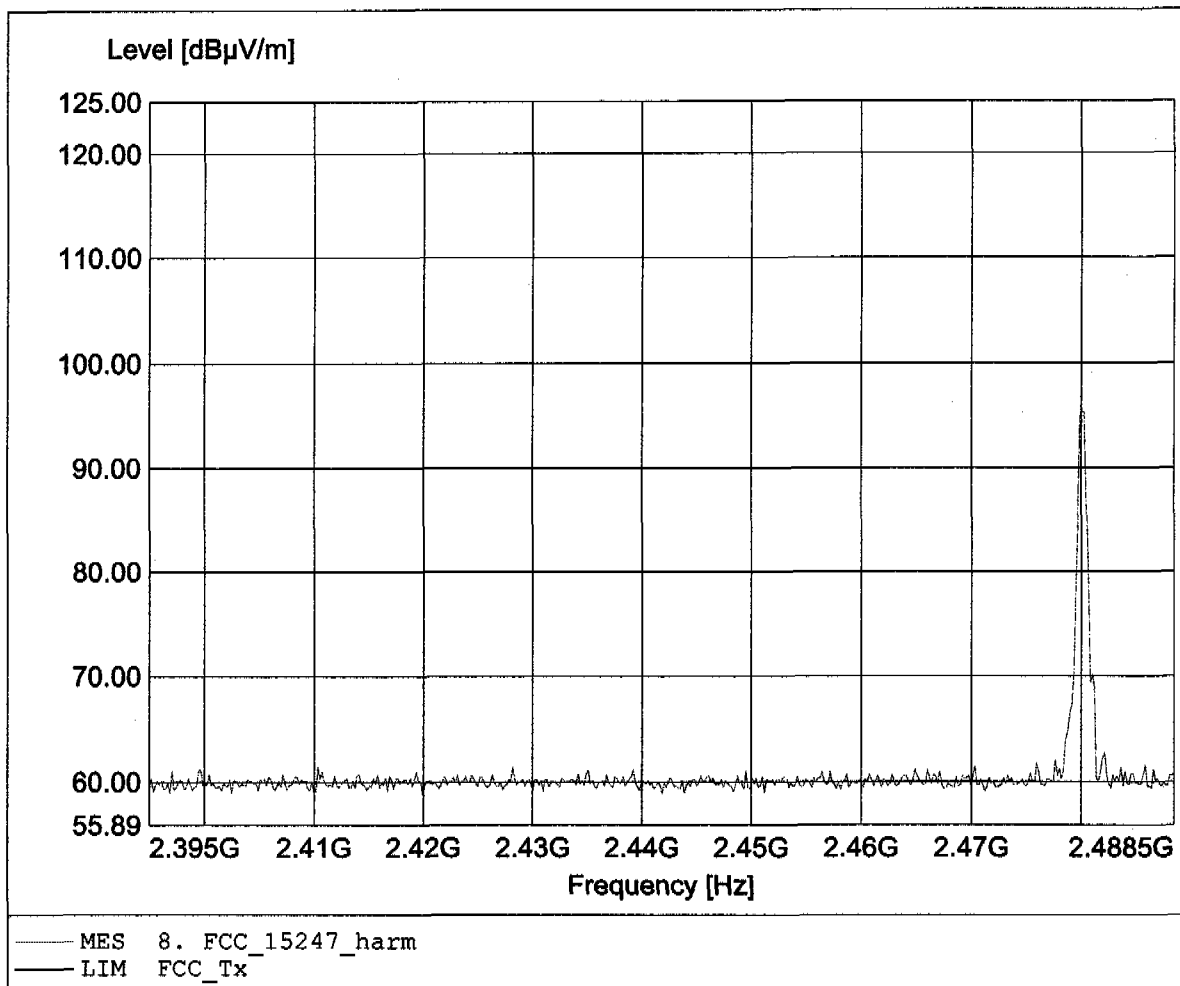
Appendix C

Spurious Emissions radiated - Transmitter operating

Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

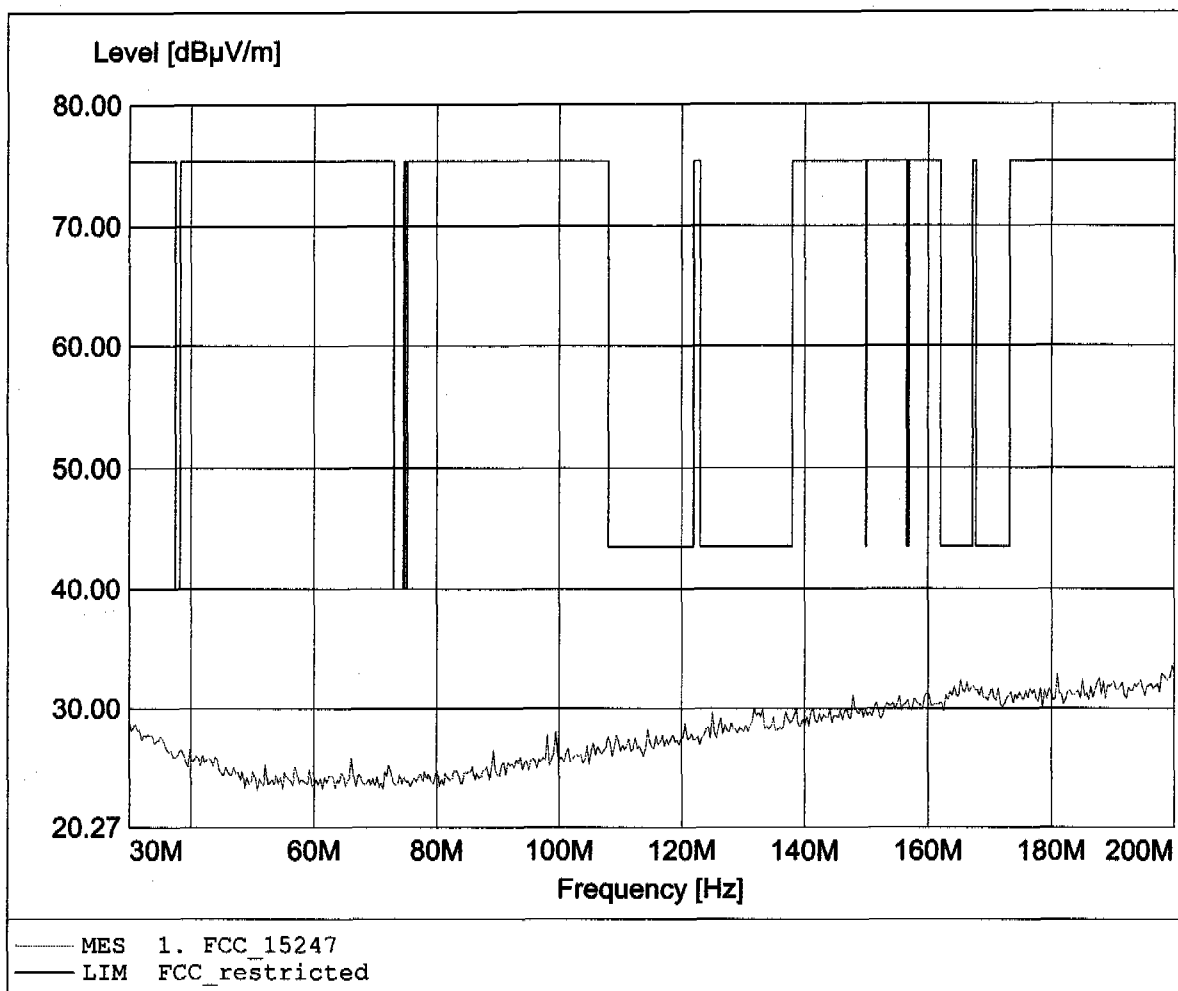
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / Fmax / 2480 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Emax: 95.36dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

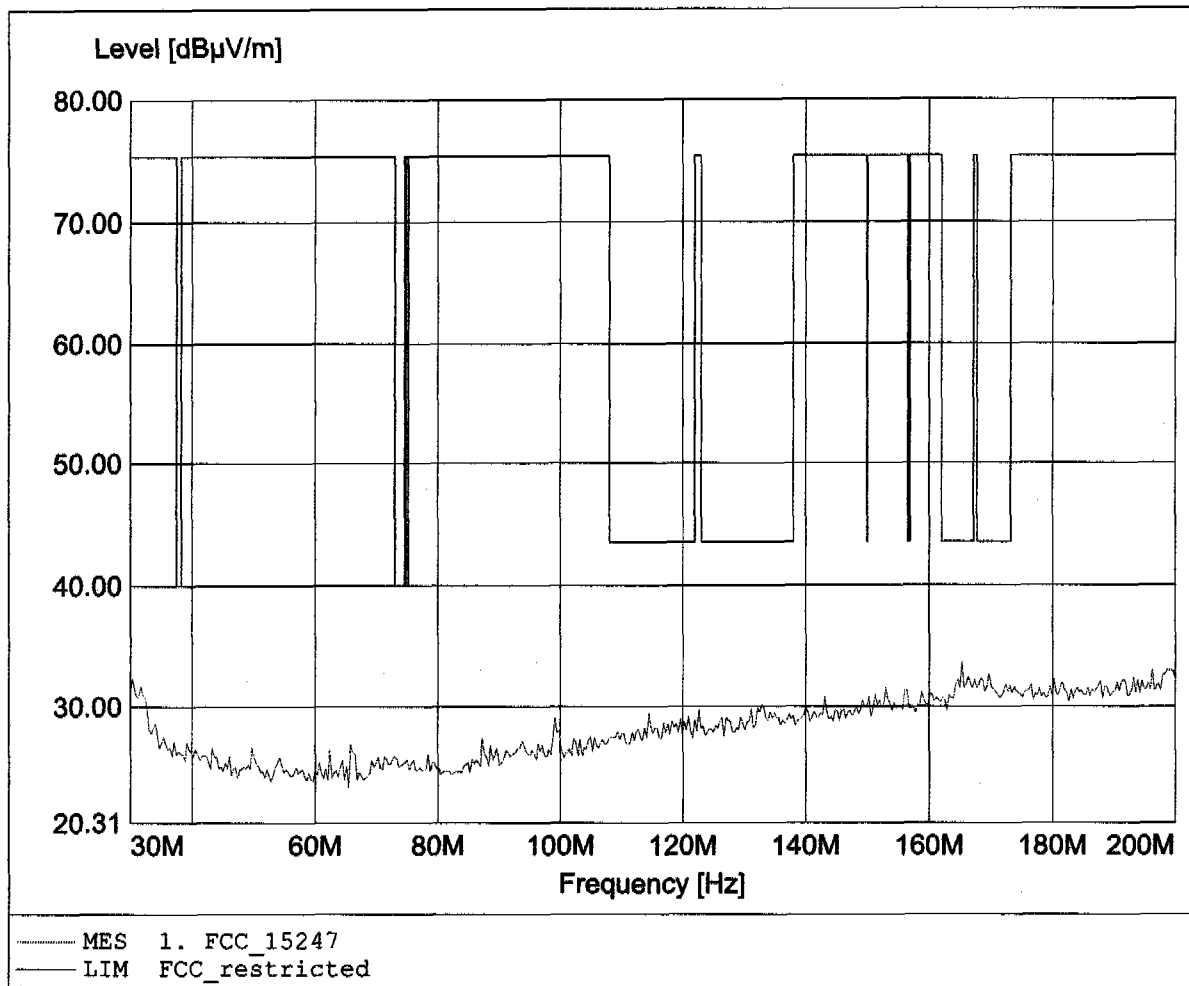
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2480 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 199.659MHz, Emax: 33.59dB μ V/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

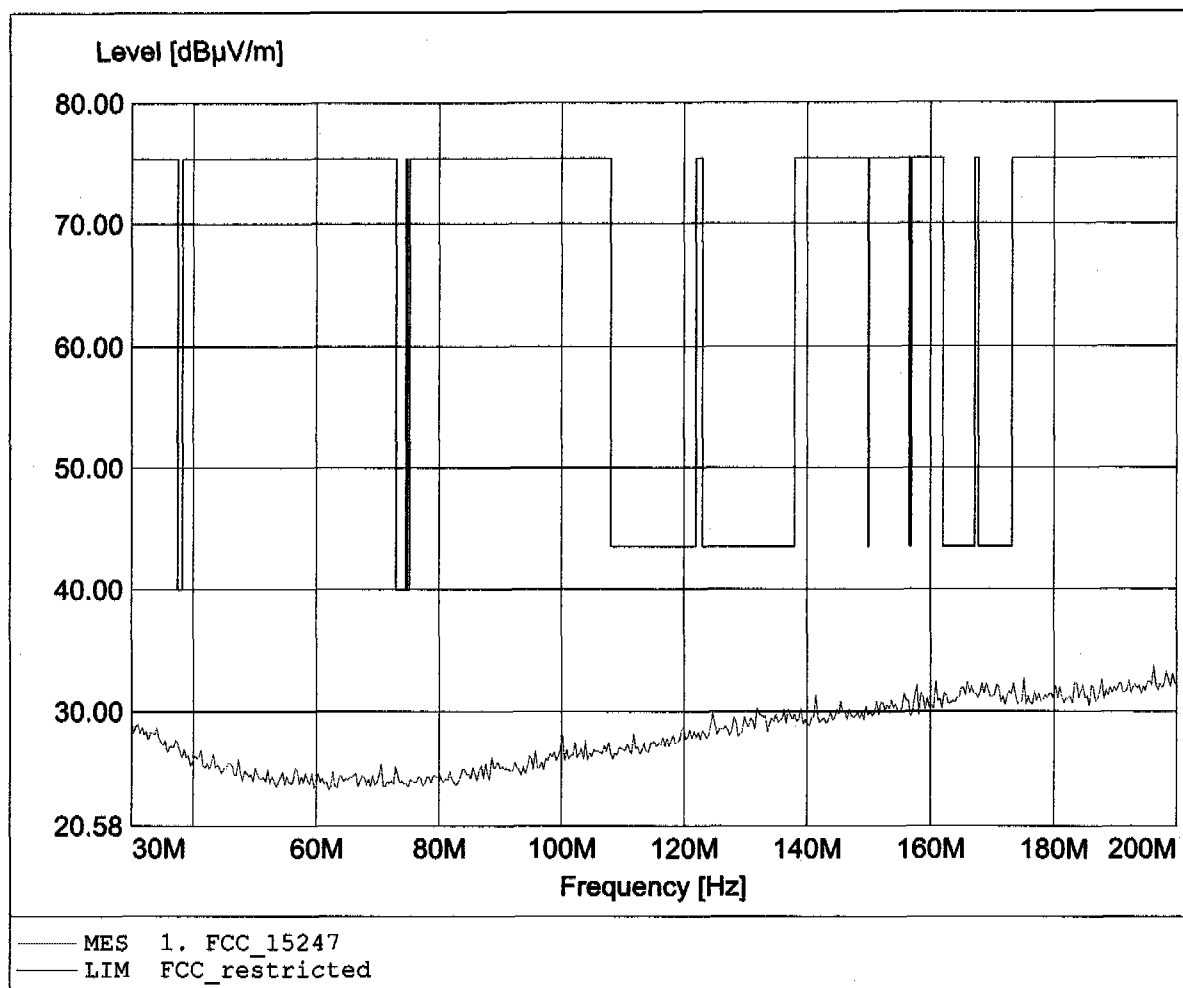
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2480 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 165.251MHz, Emax: 33.67dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

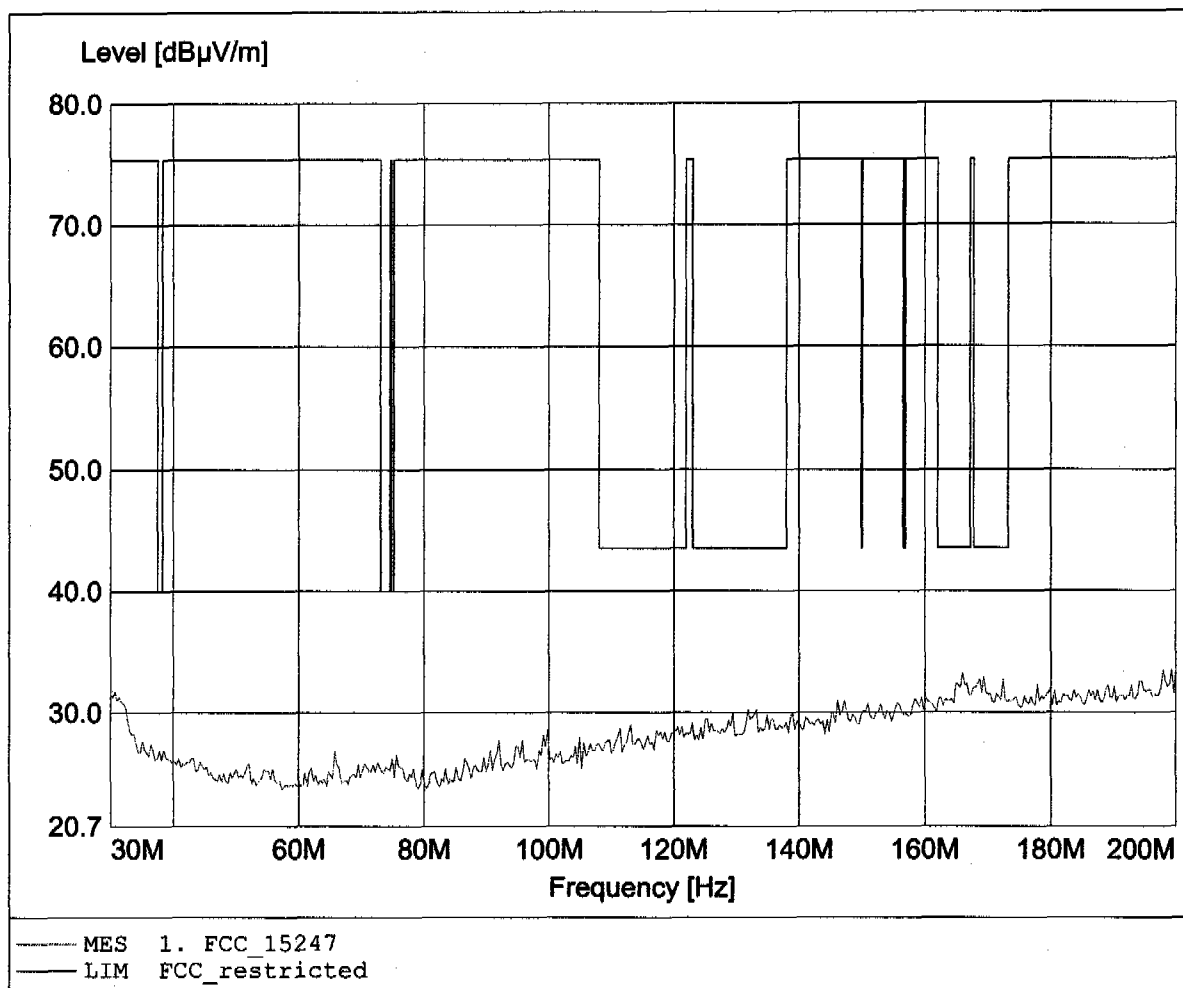
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2402 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 196.253MHz, Emax: 33.75dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

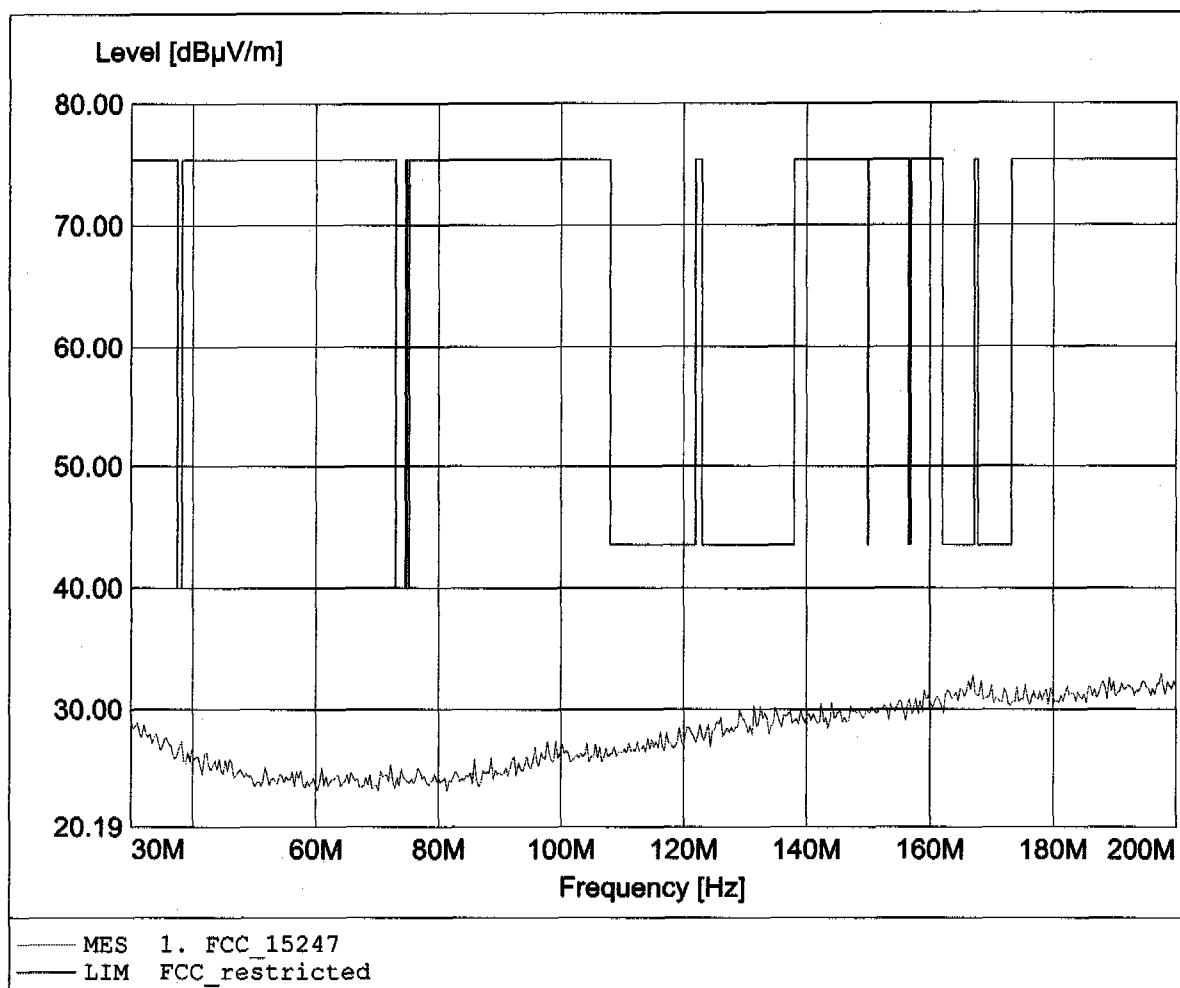
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2402 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 200.000MHz, Emax: 33.53dBuV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

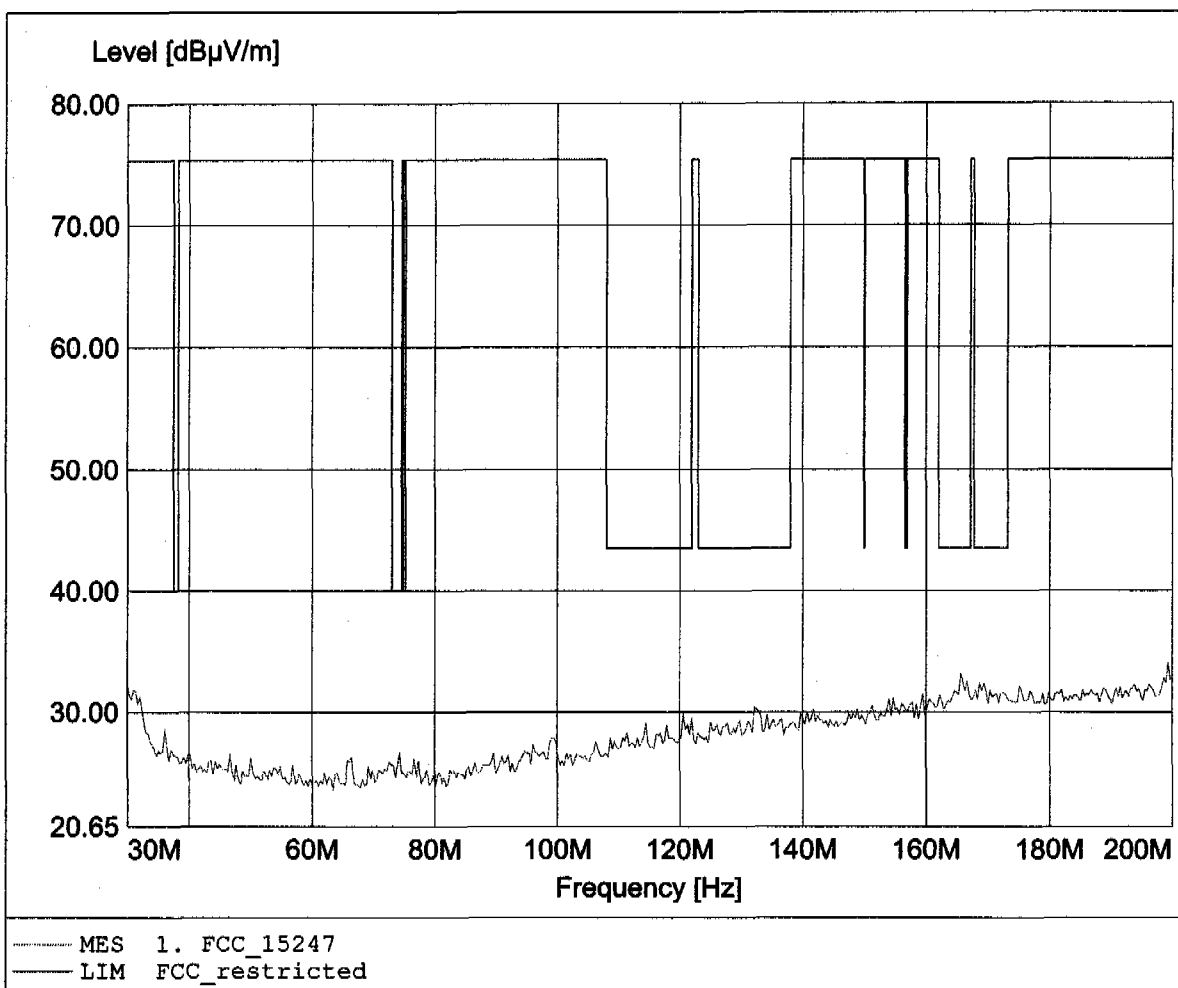
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2441 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 197.615MHz, Emax: 32.97dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

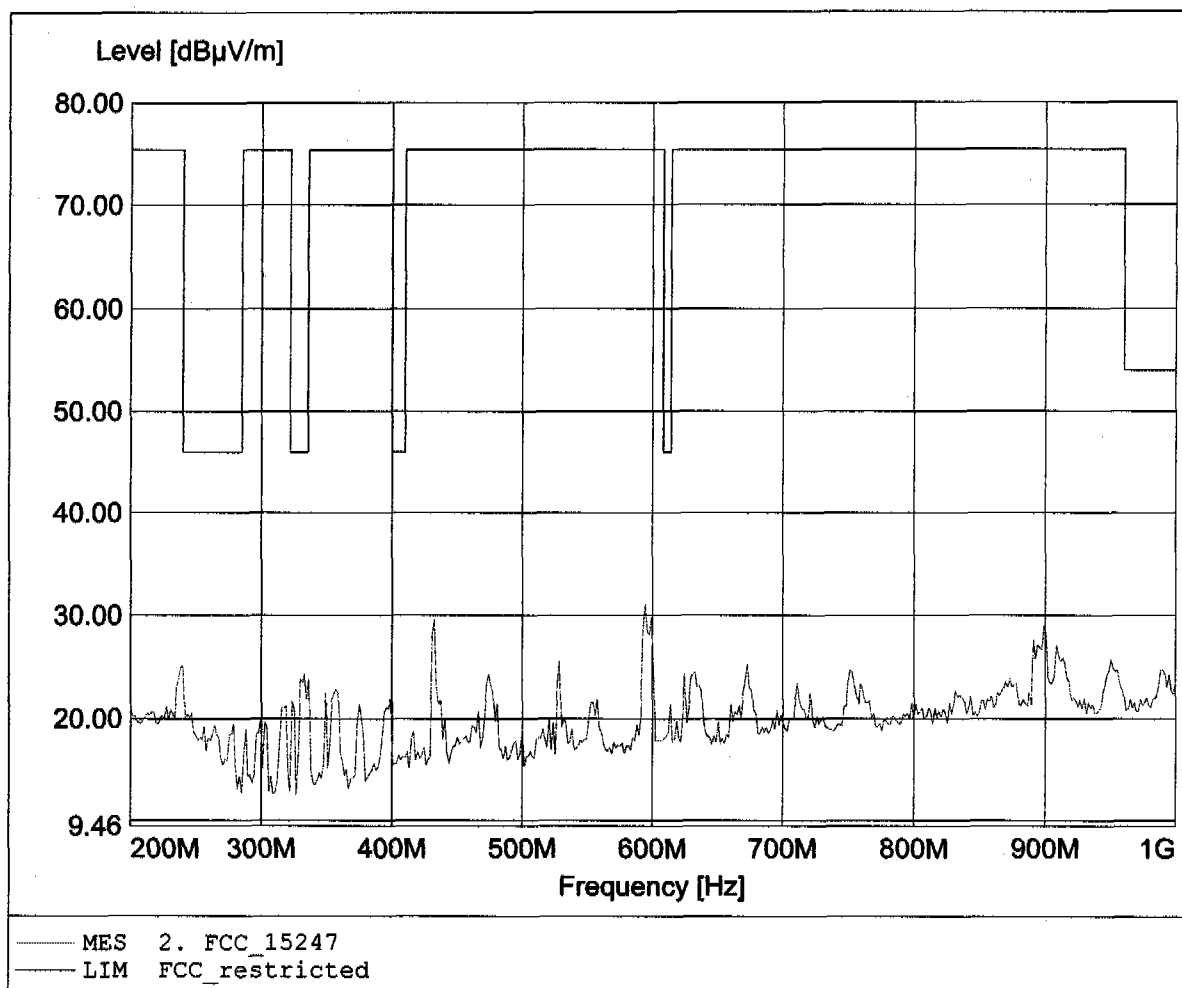
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2441 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 199.319MHz, Emax: 34.06dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

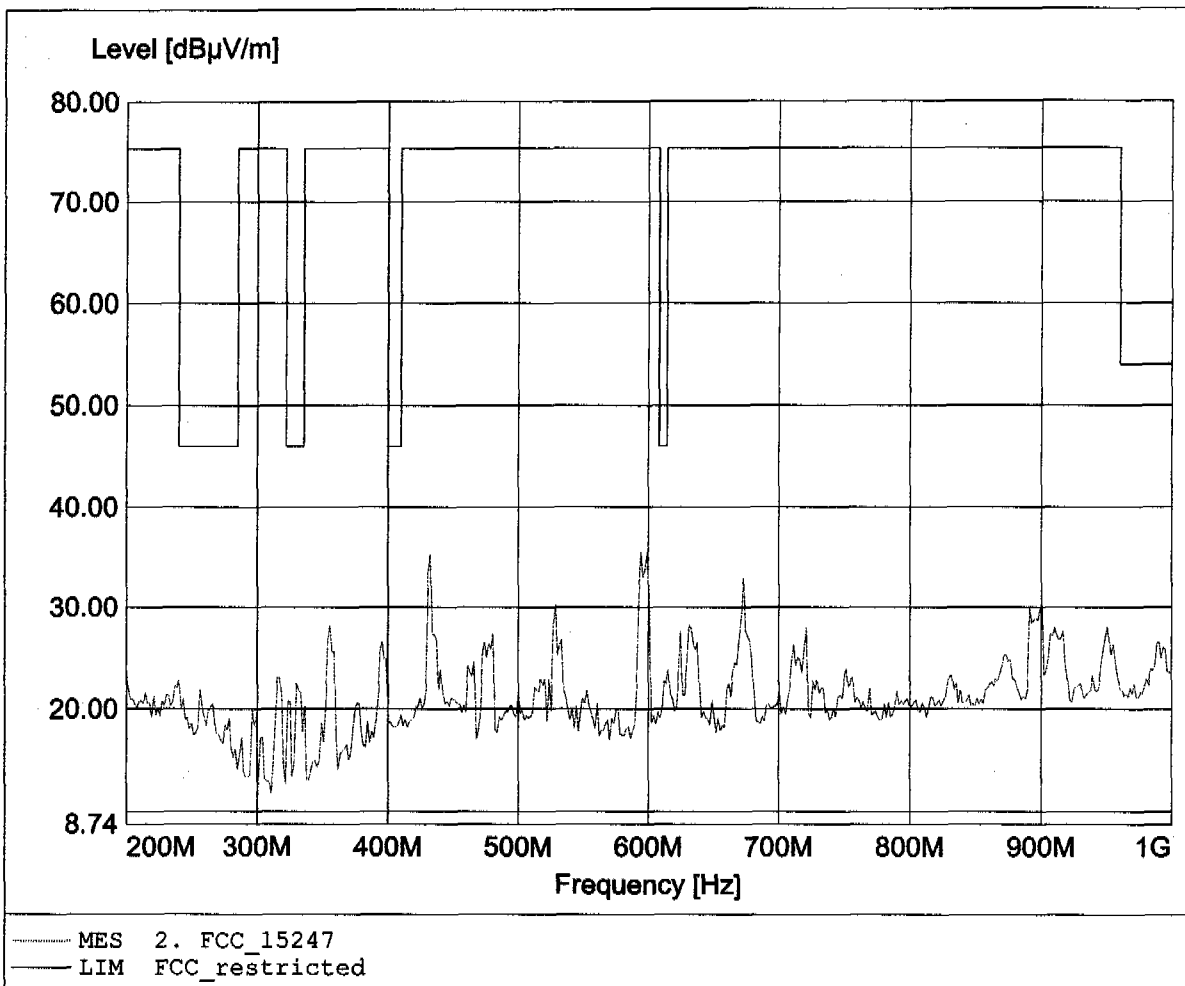
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2480 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 594.389MHz, Emax: 31.04dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

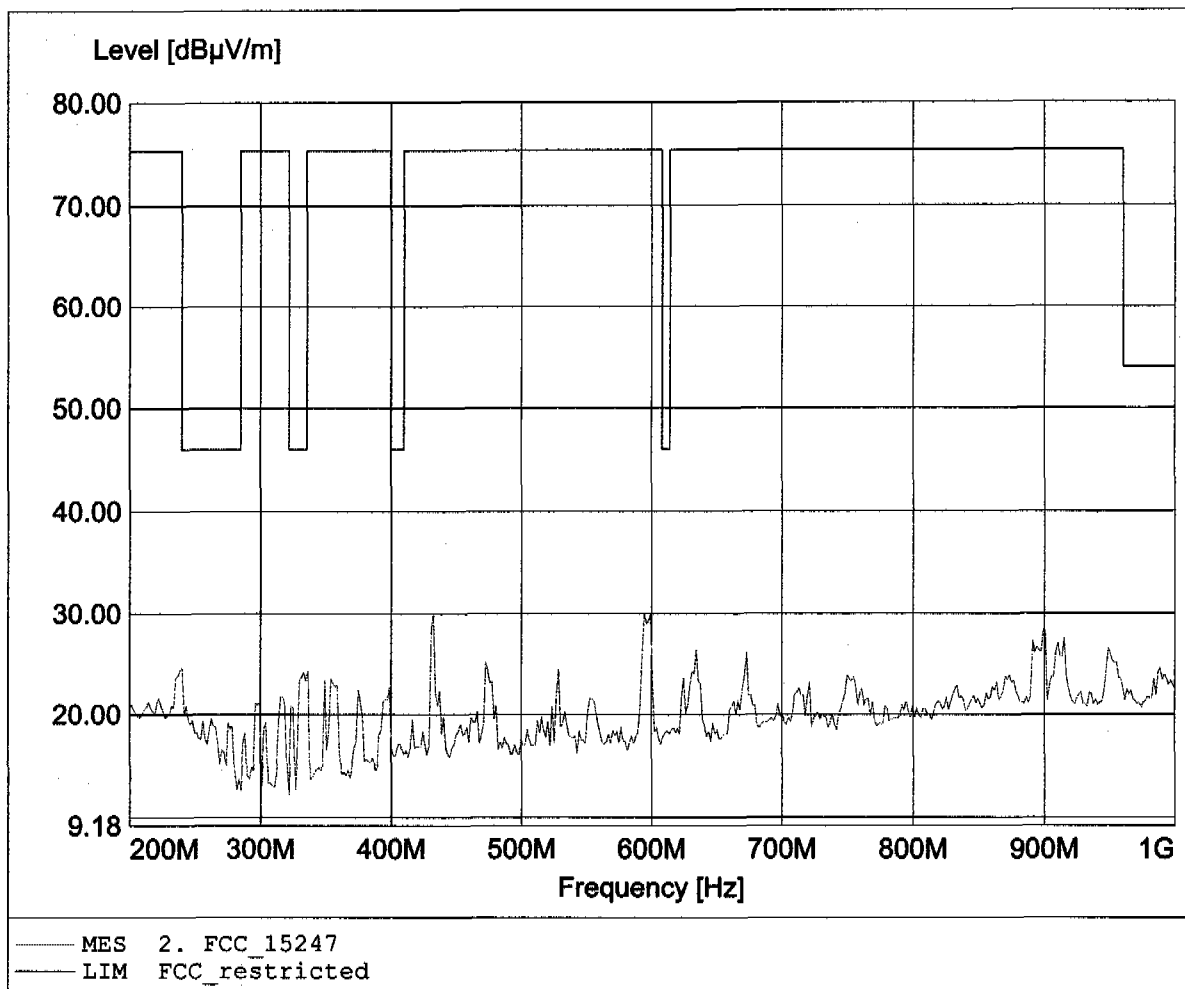
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2480 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 594.389MHz, Emax: 35.55dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

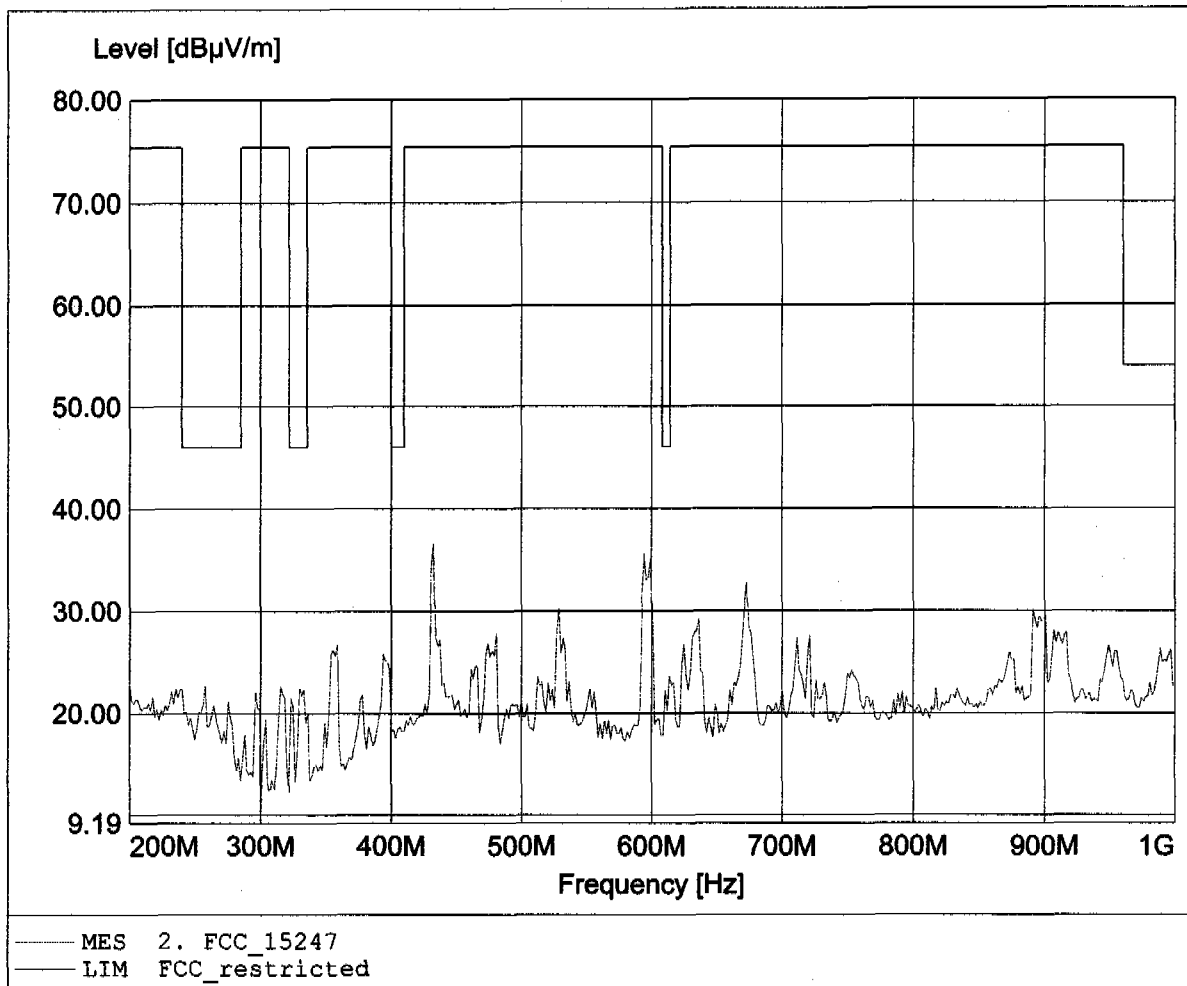
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2402 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 594.389MHz, Emax: 30.11dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

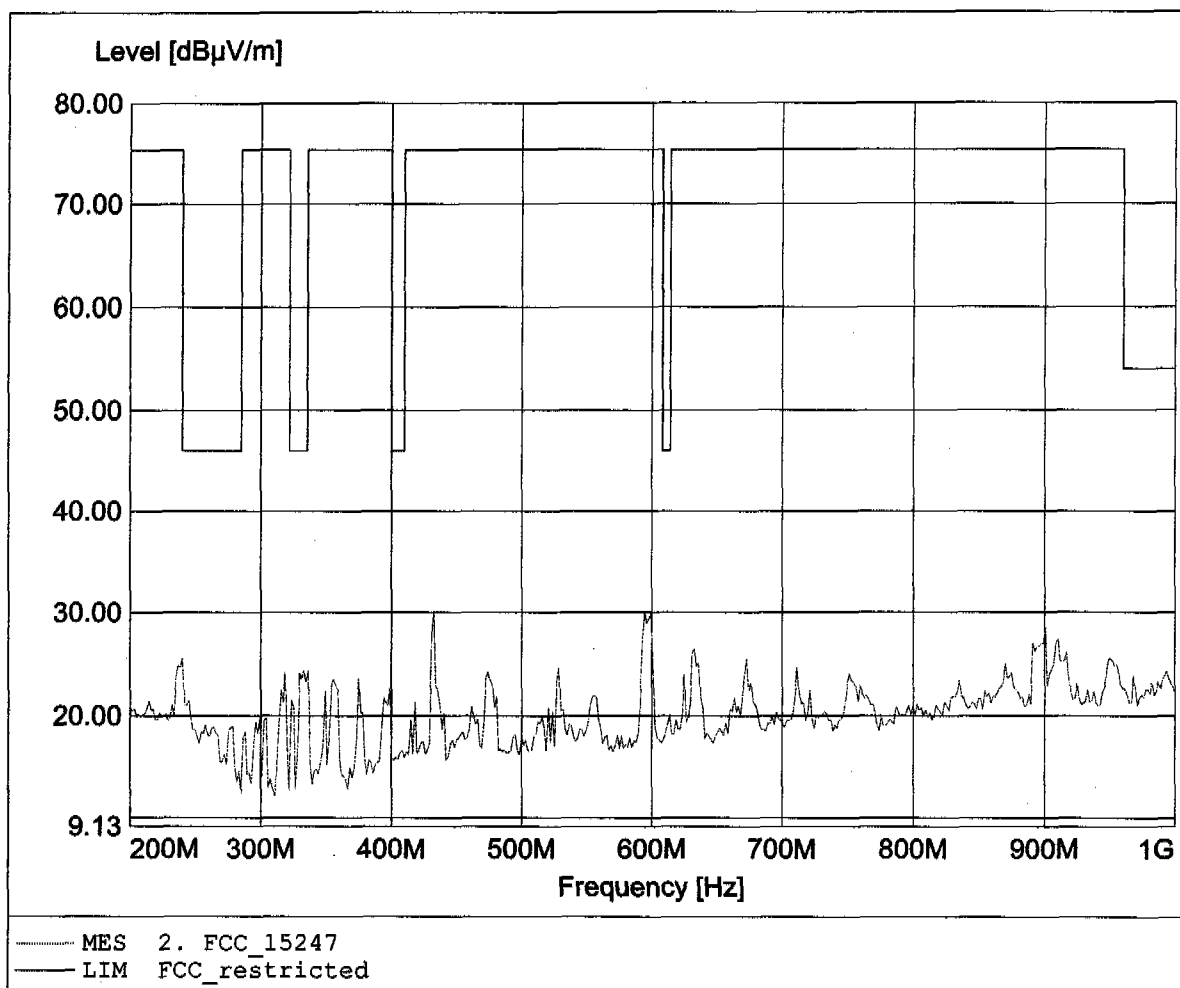
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2402 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 432.465MHz, Emax: 36.50dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

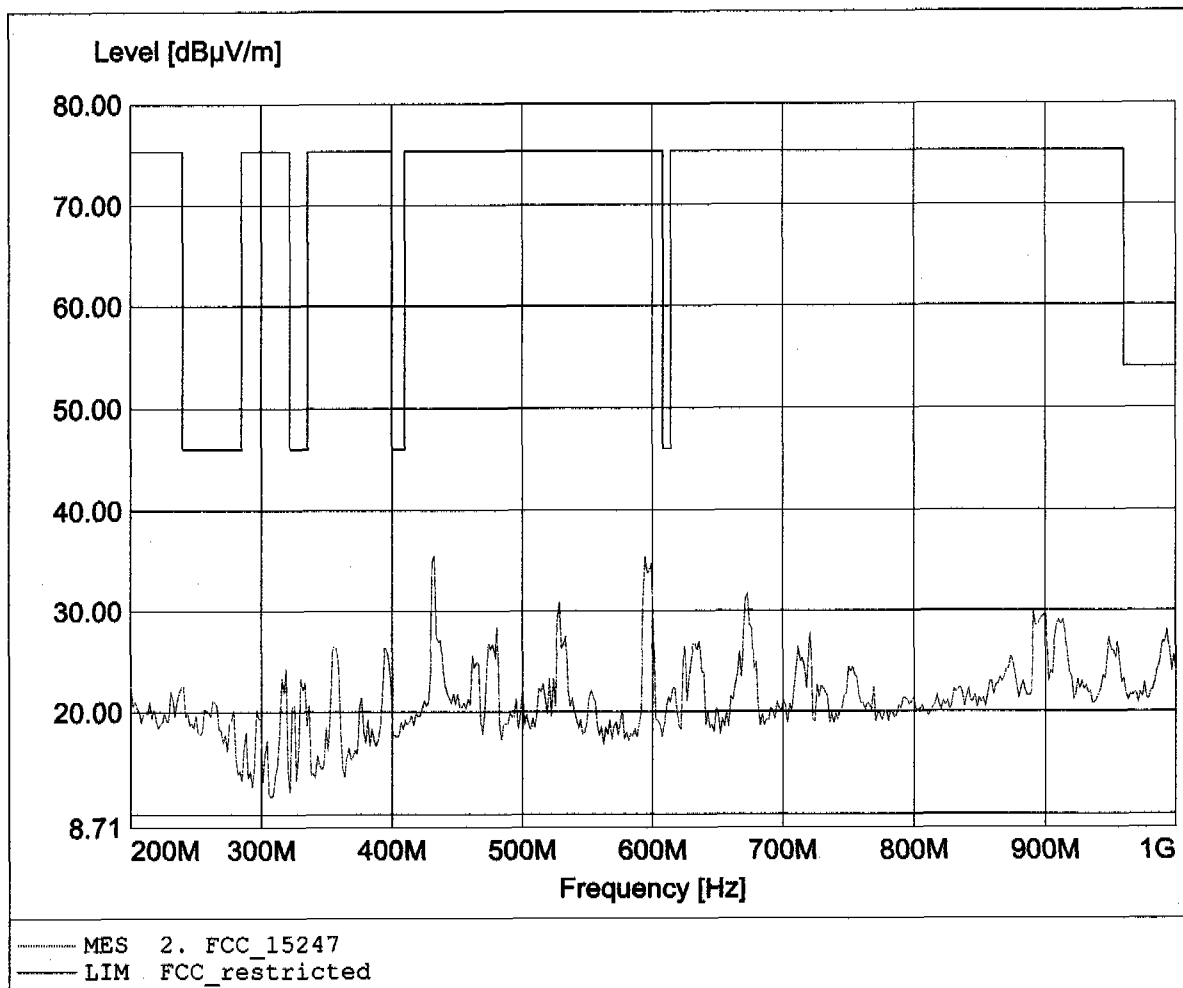
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2441 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 432.465MHz, Emax: 30.15dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

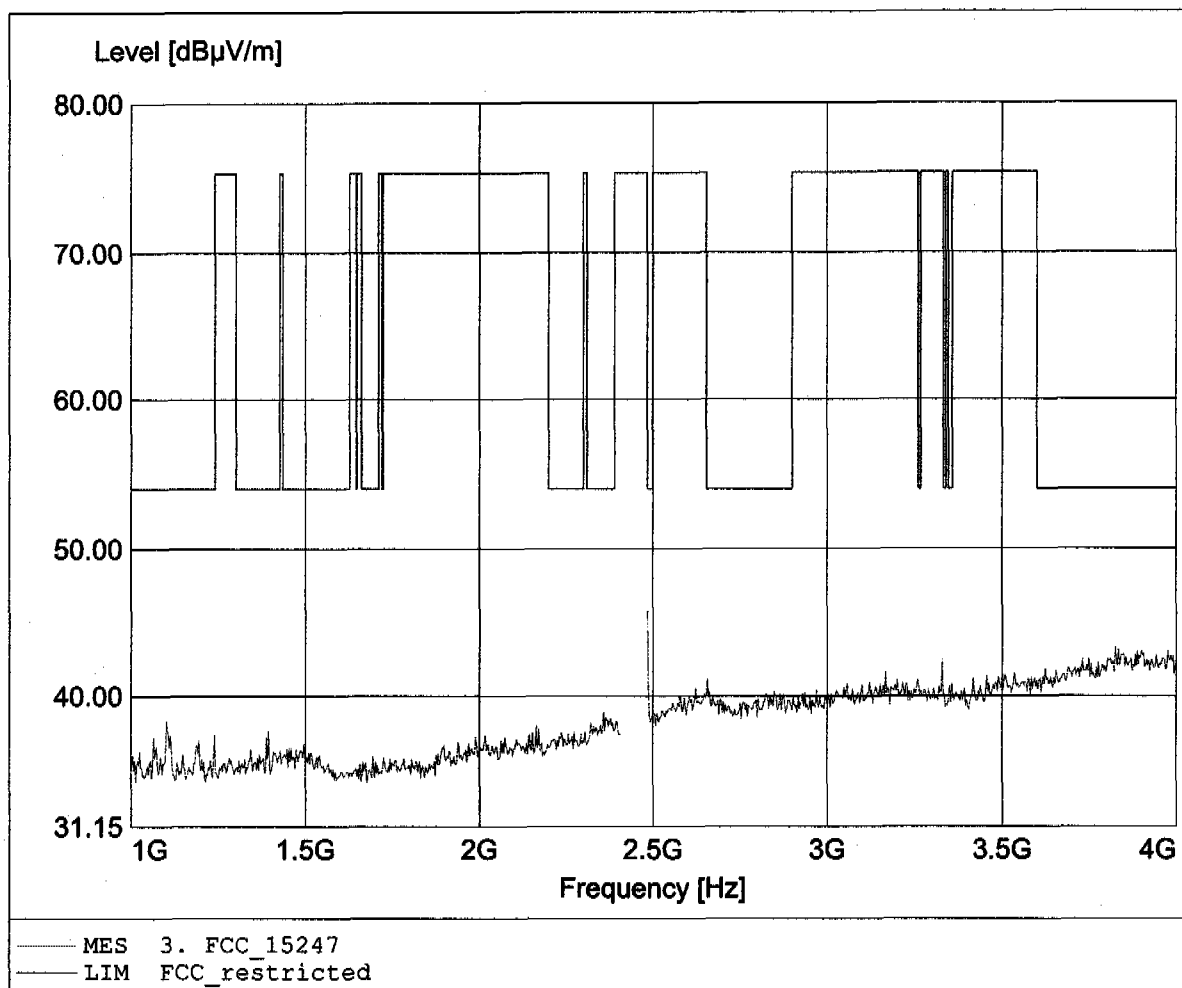
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2441 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 432.465MHz, Emax: 35.59dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

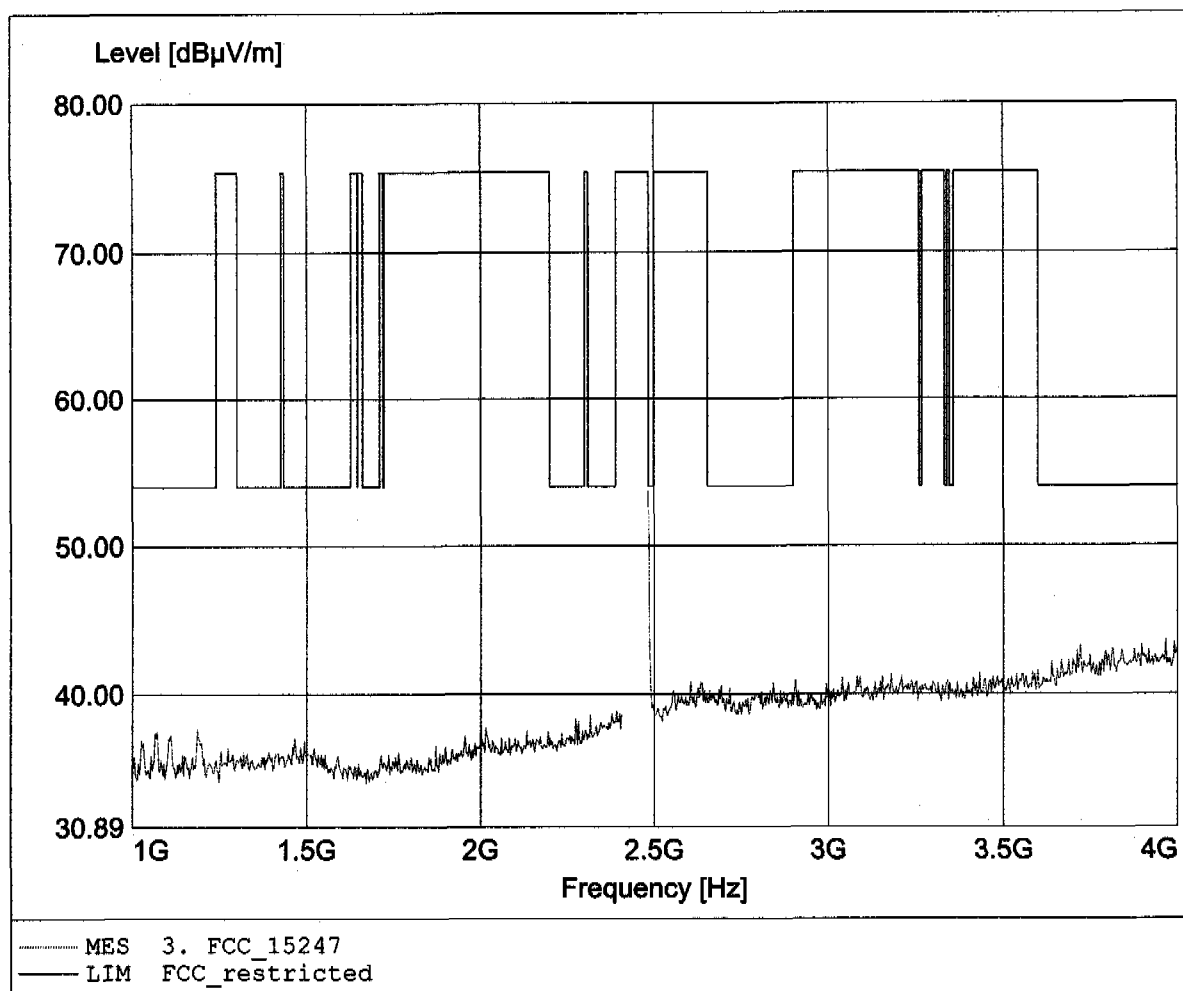
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2480 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 45.81dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

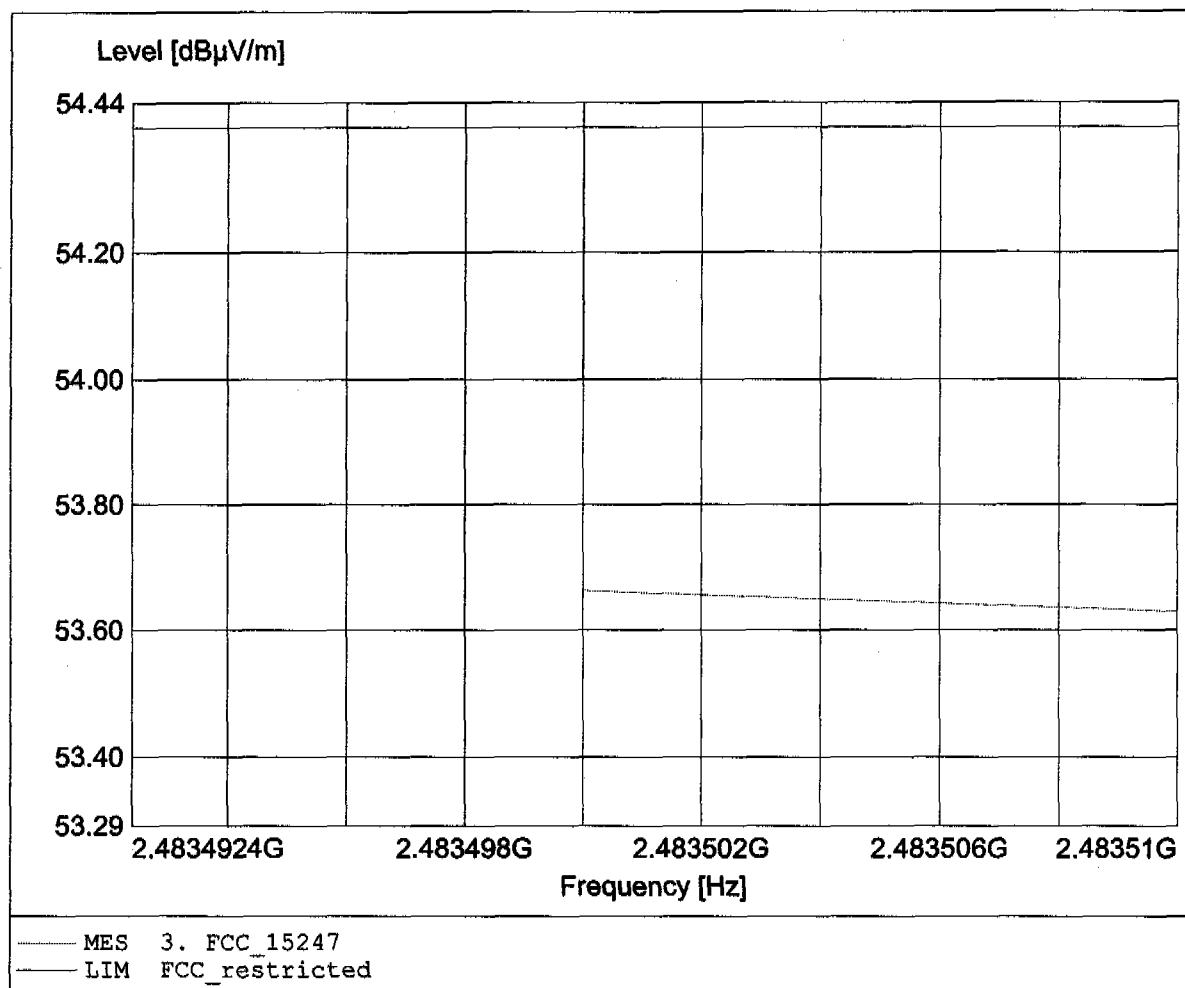
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2480 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 53.66dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

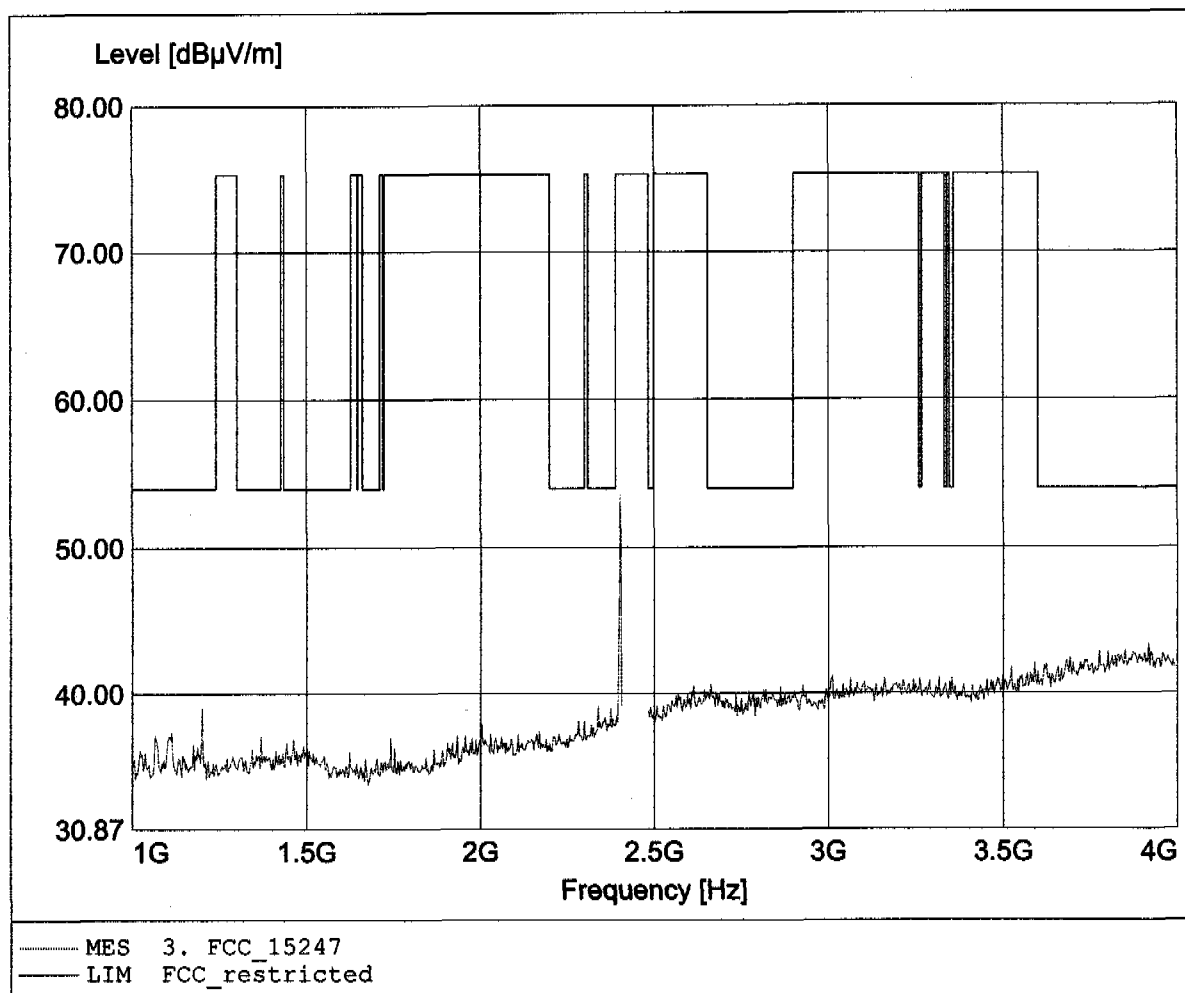
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2480 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 53.66dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

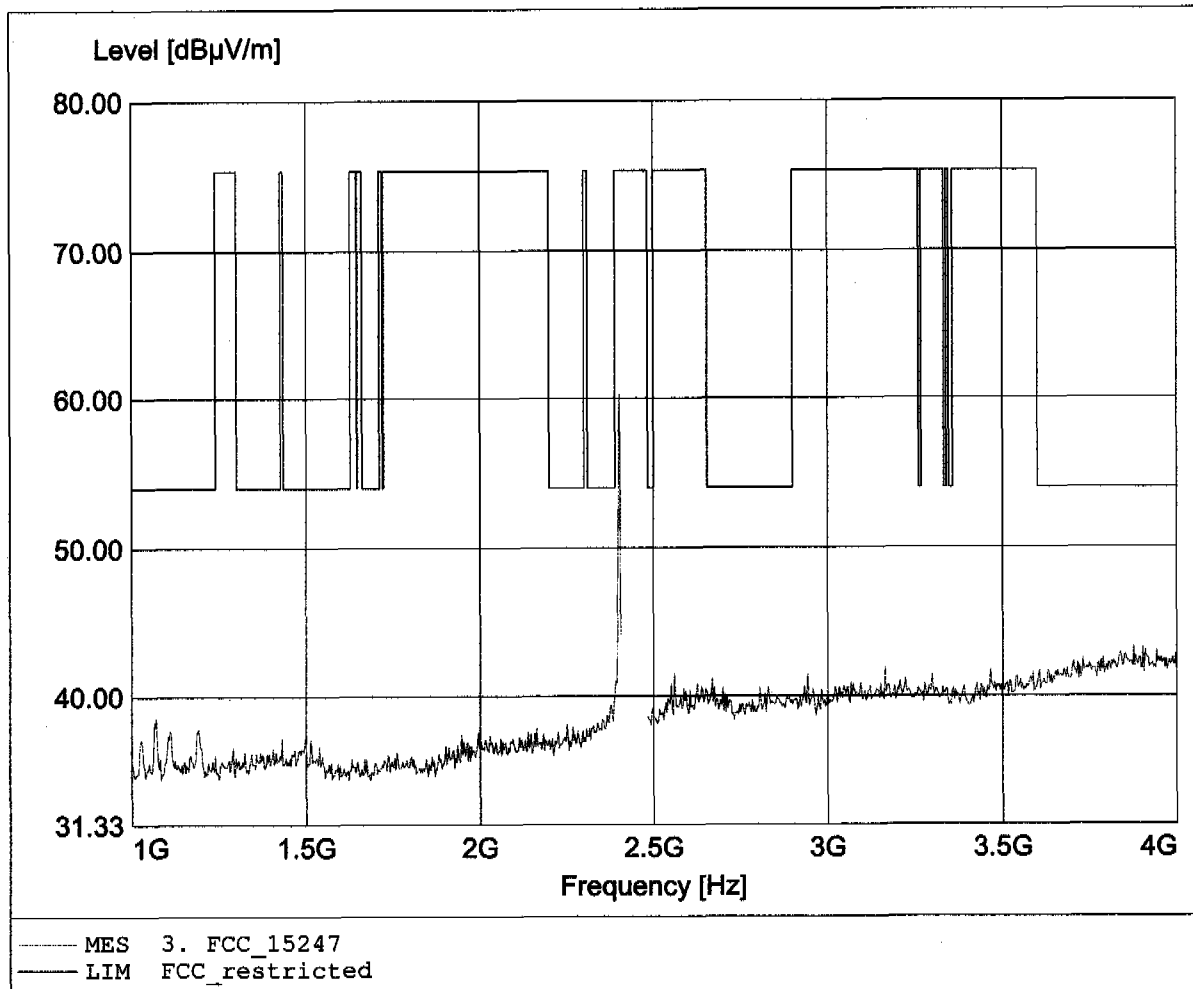
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2402 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.403GHz, Emax: 53.55dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

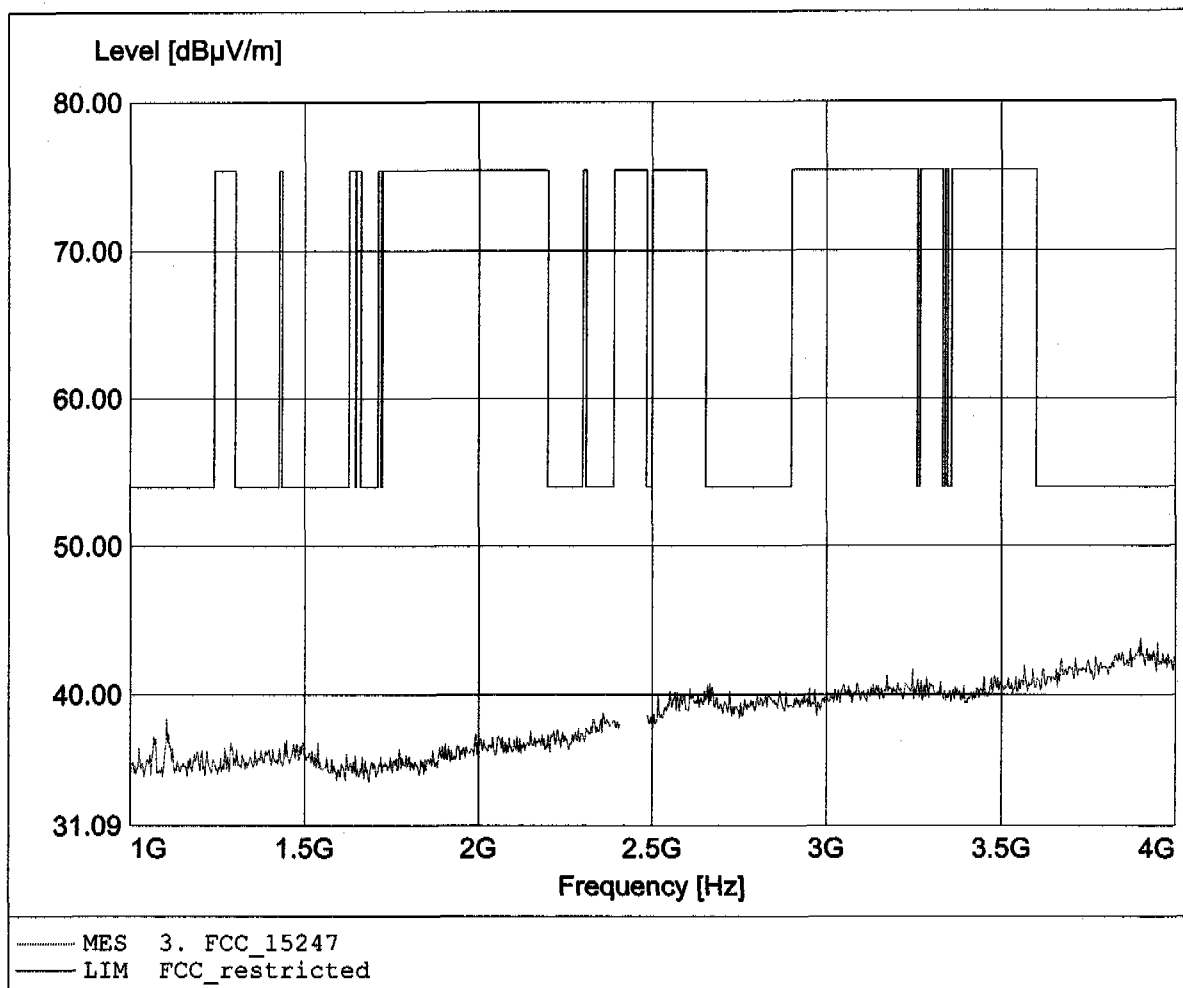
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2402 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.403GHz, Emax: 60.25dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

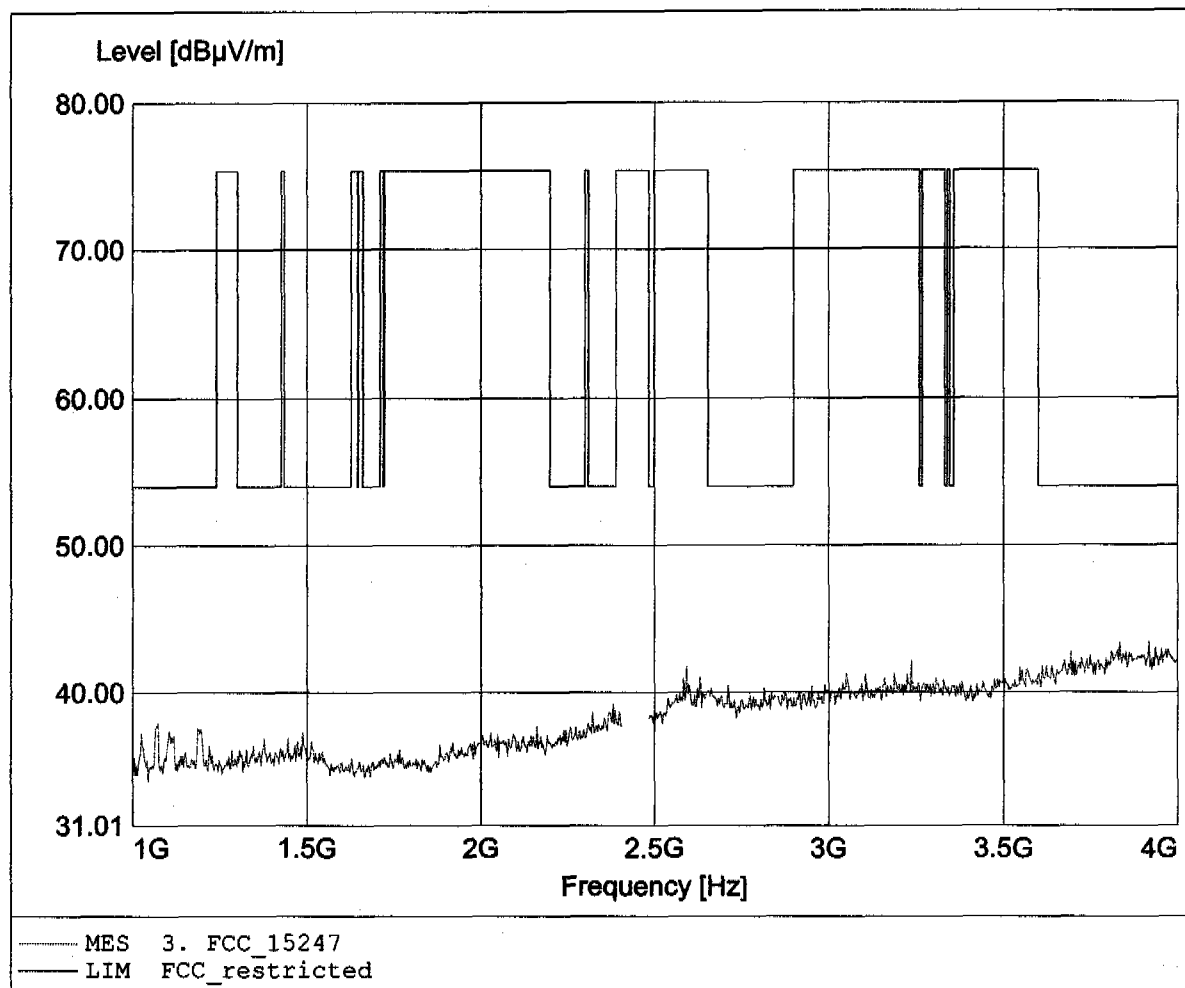
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2441 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.900GHz, Emax: 43.78dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

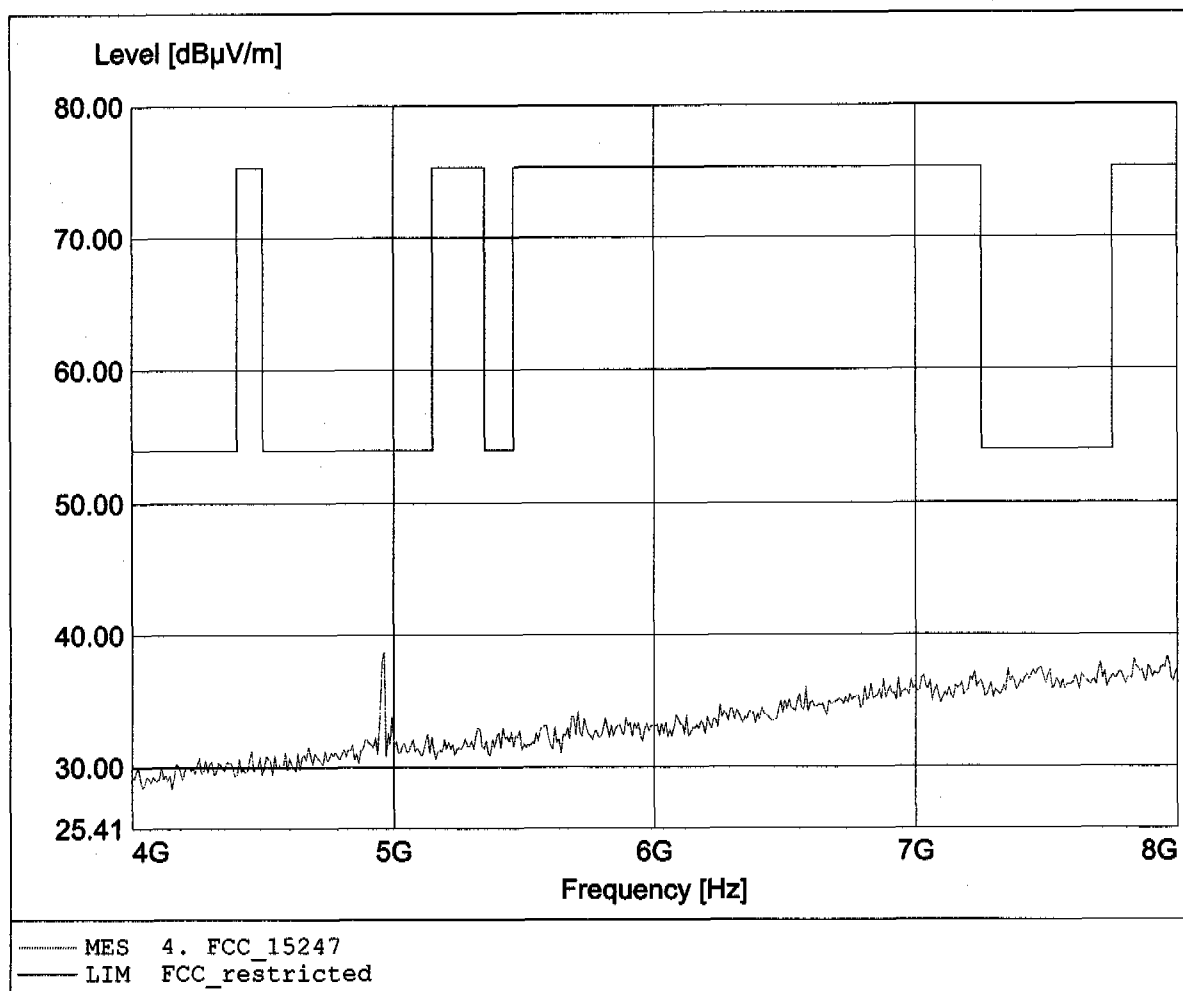
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2441 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.918GHz, Emax: 43.39dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

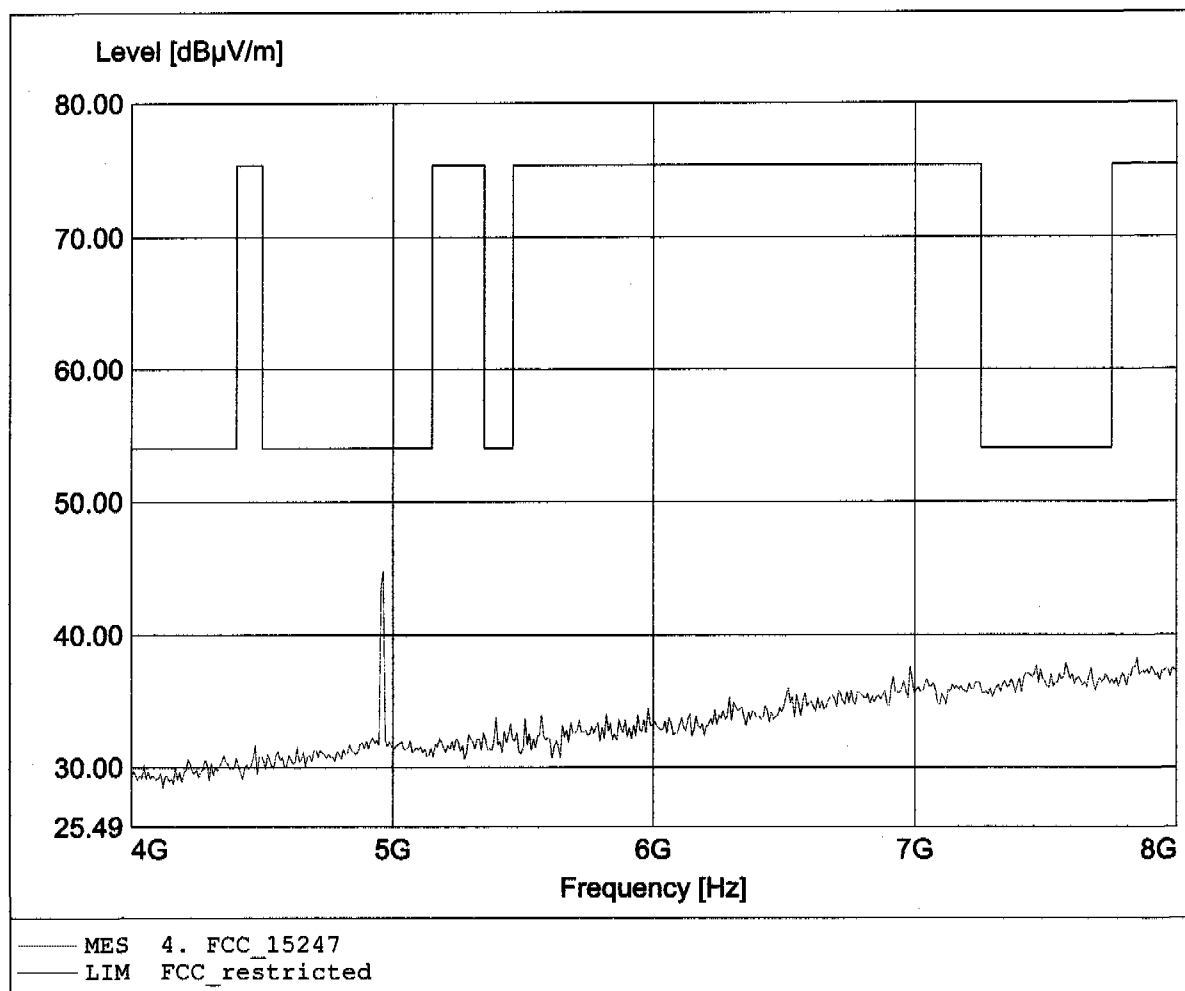
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2480 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.962GHz, Emax: 38.69dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

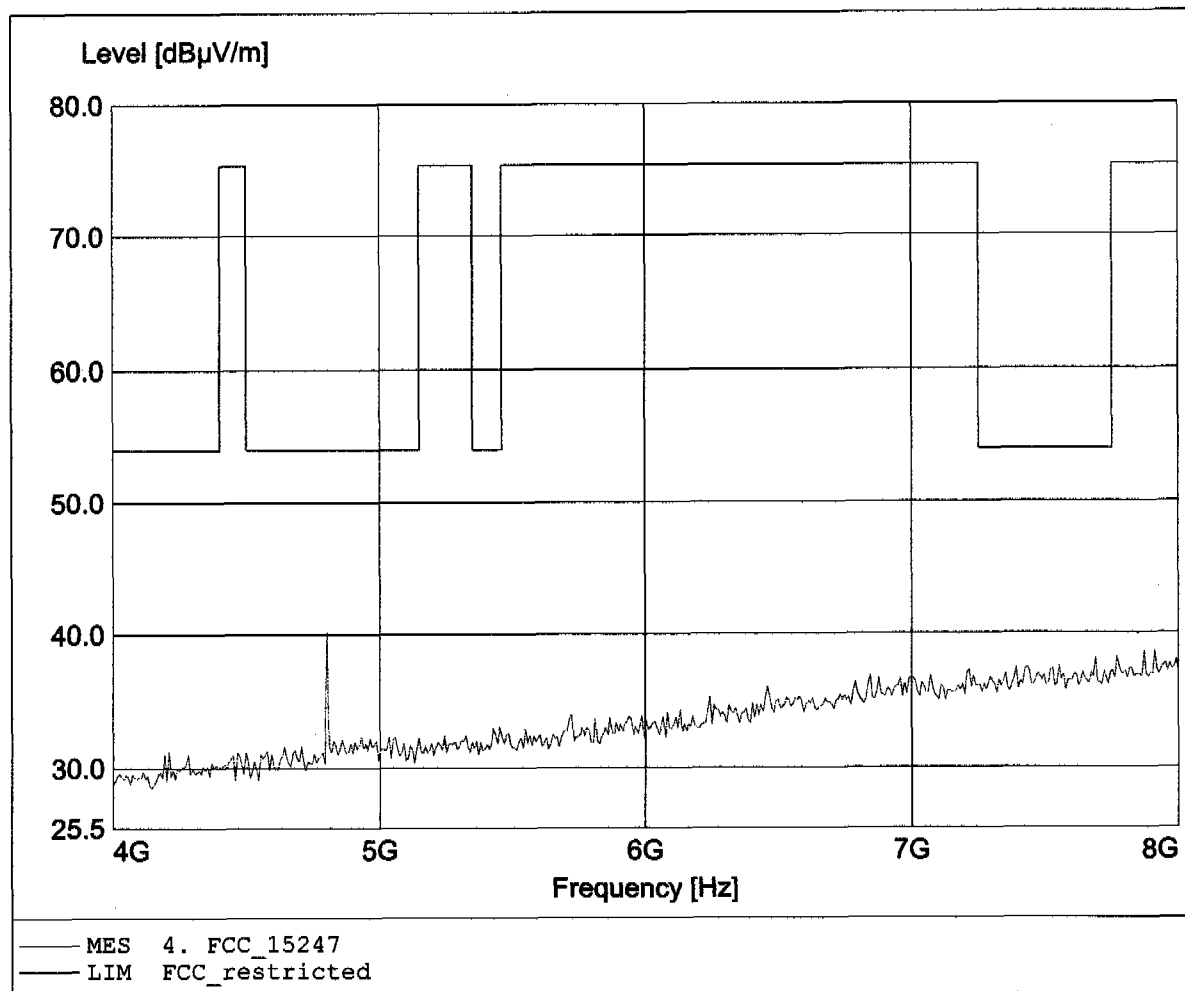
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2480 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.962GHz, Emax: 44.75dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

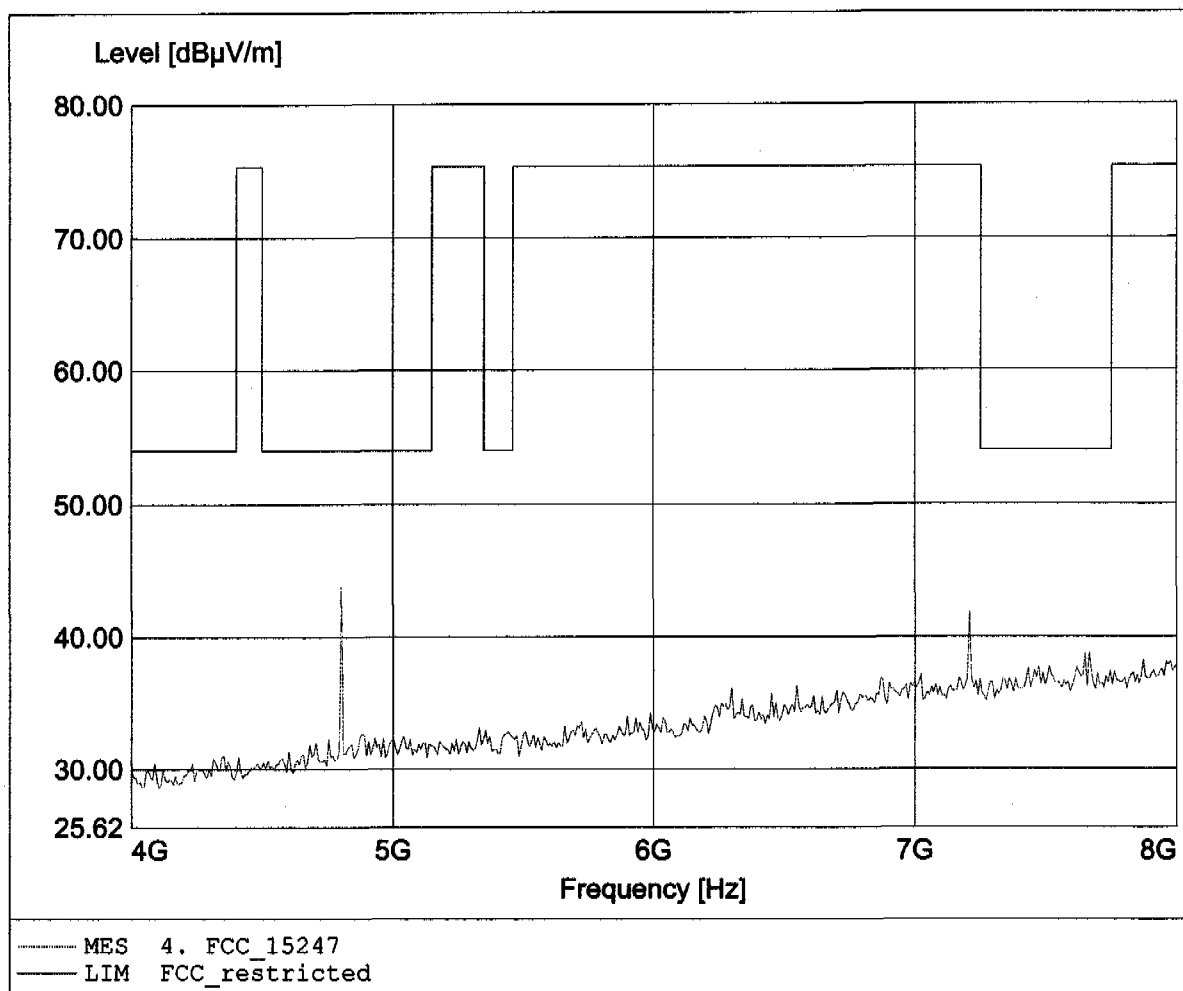
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2402 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.802GHz, Emax: 40.18dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

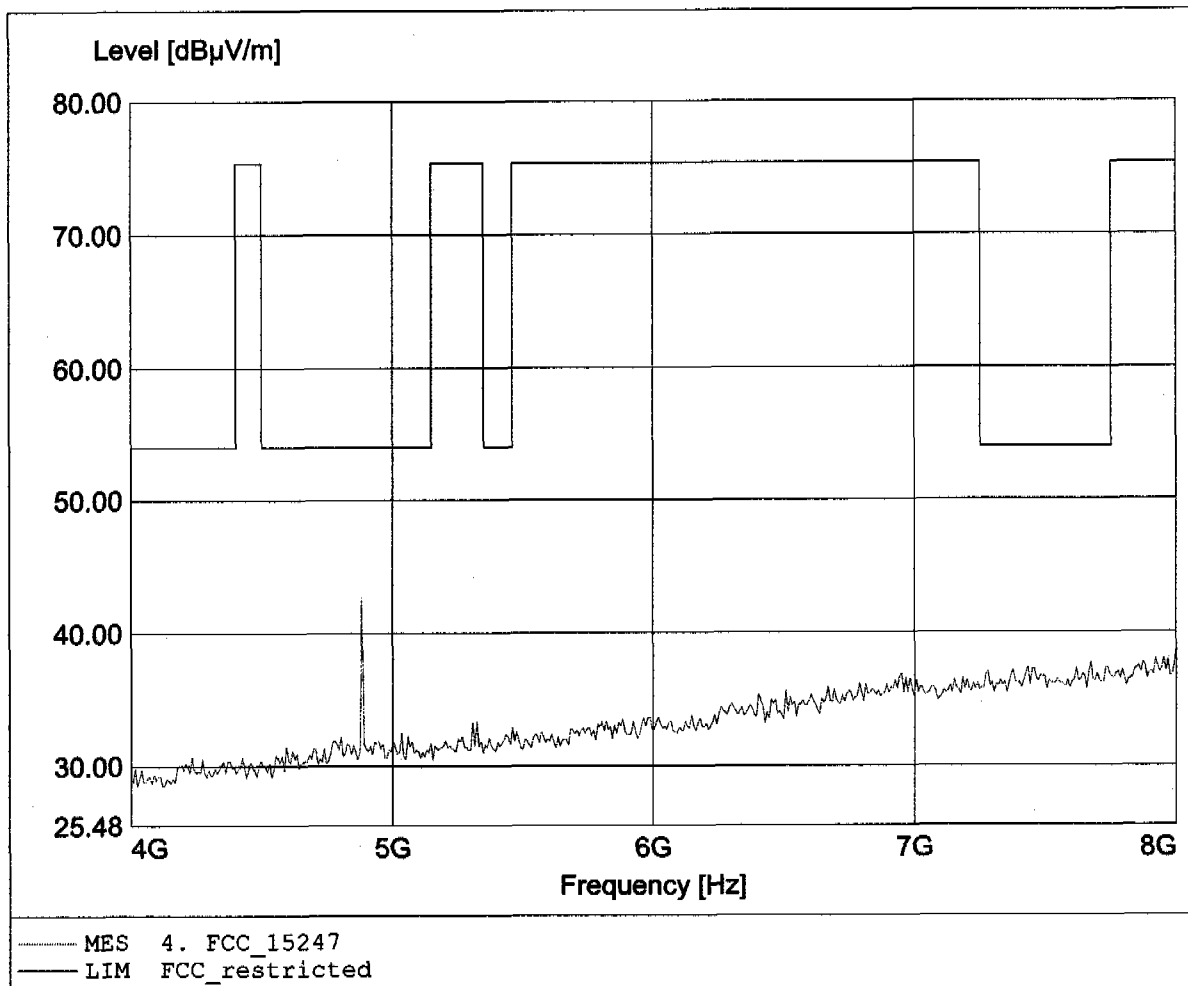
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2402 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.802GHz, Emax: 43.82dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

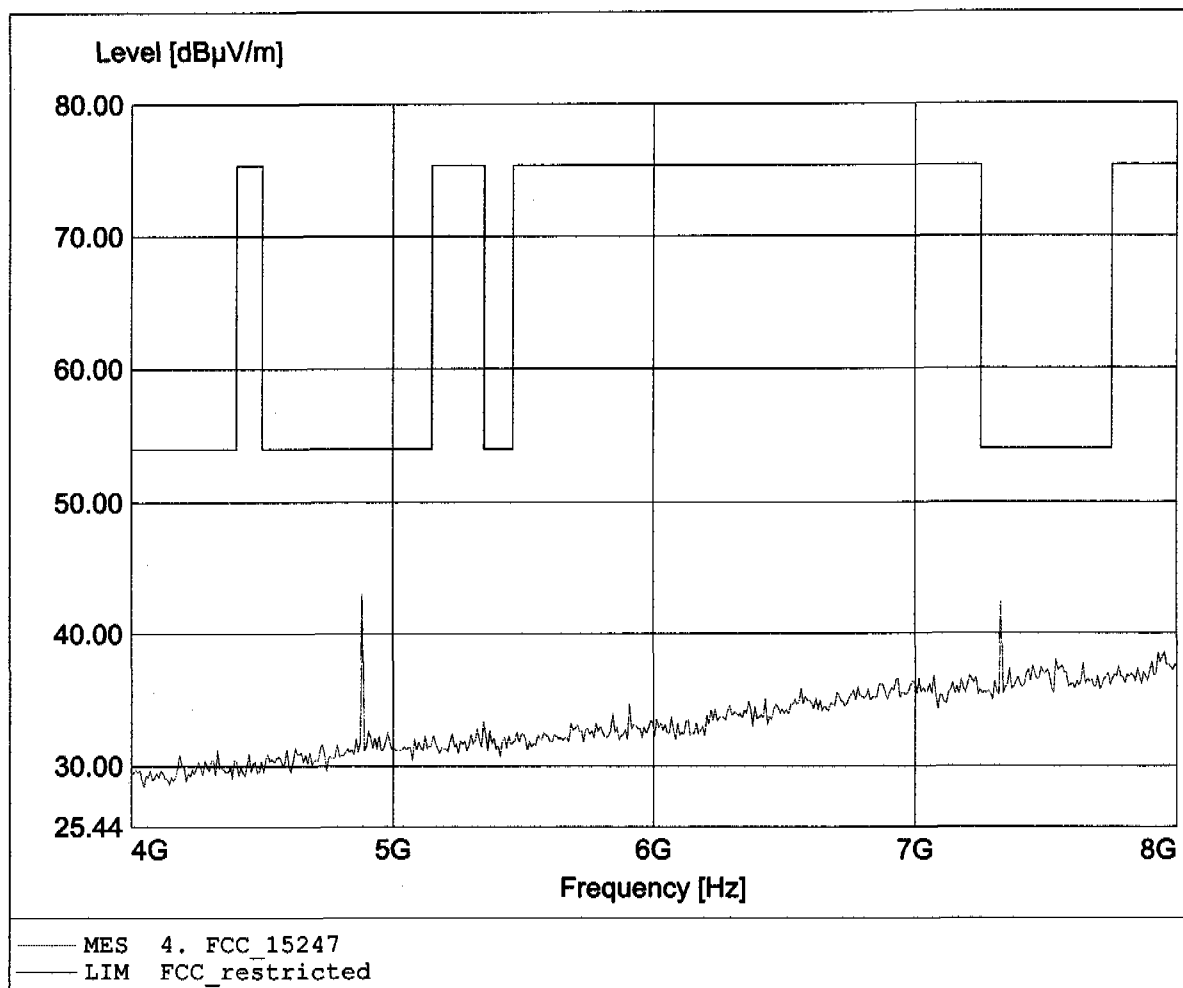
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2441 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.882GHz, Emax: 42.66dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

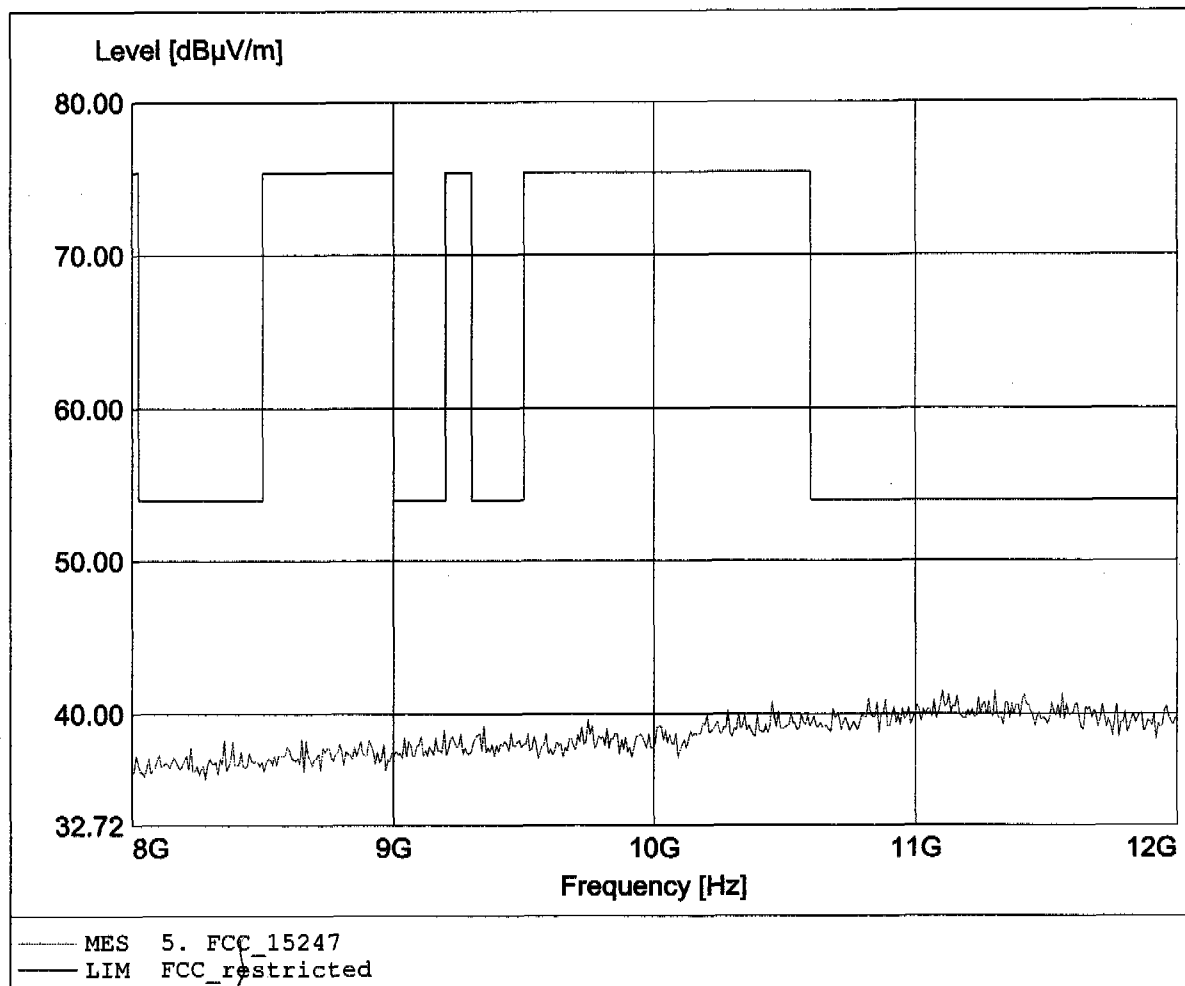
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2441 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.882GHz, Emax: 43.01dB μ V/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

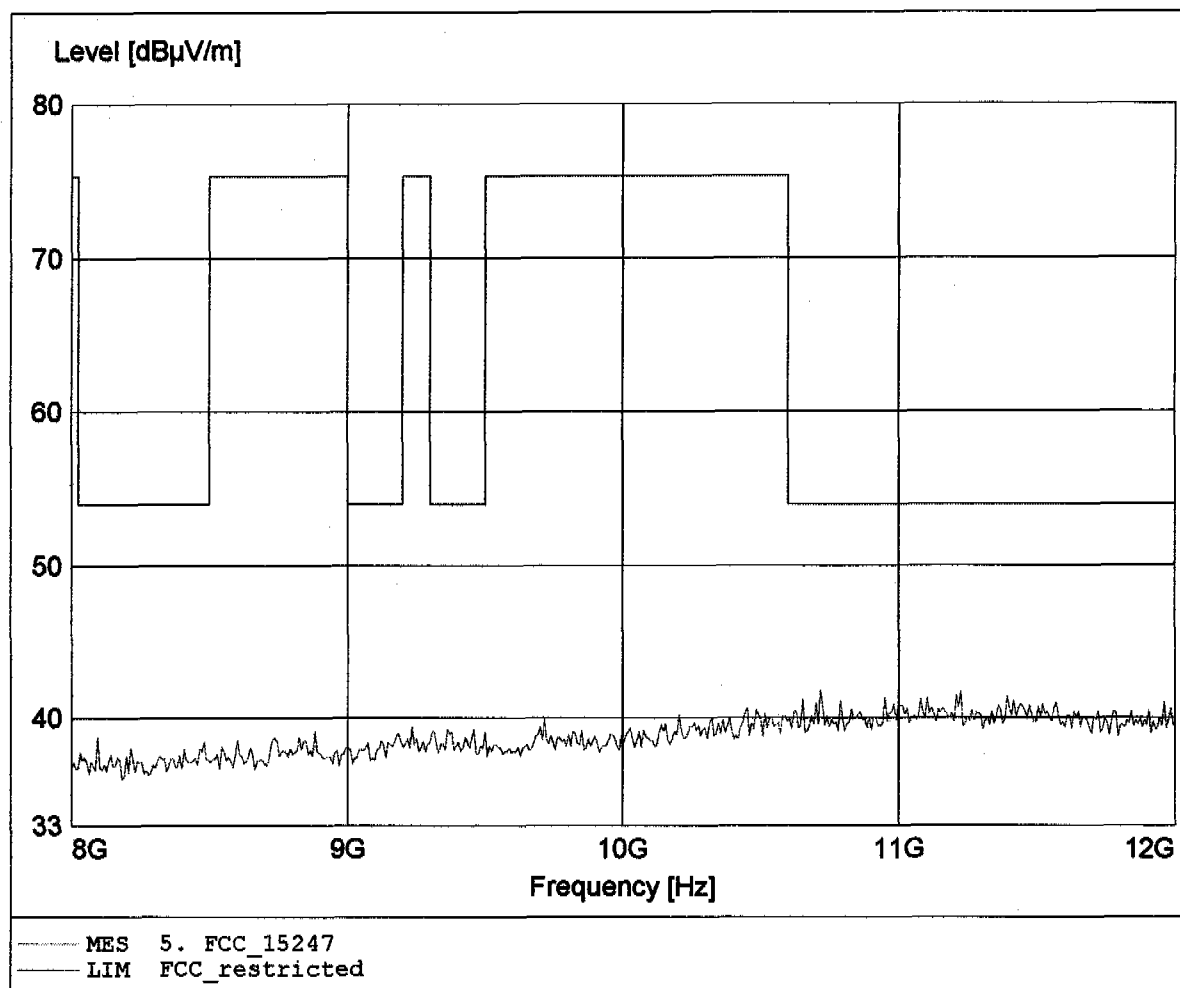
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2480 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.102GHz, Emax: 41.48dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

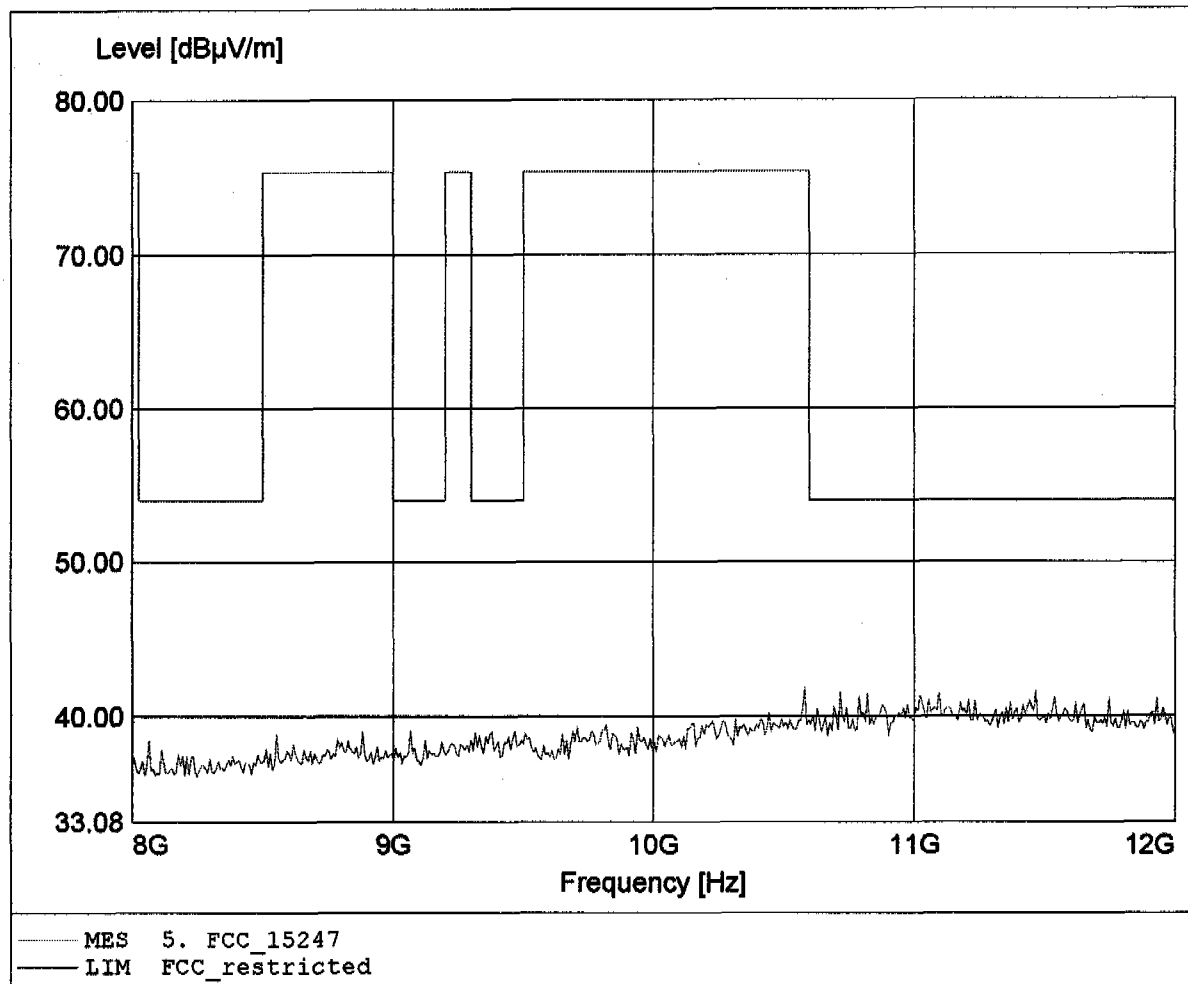
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2480 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.717GHz, Emax: 41.83dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

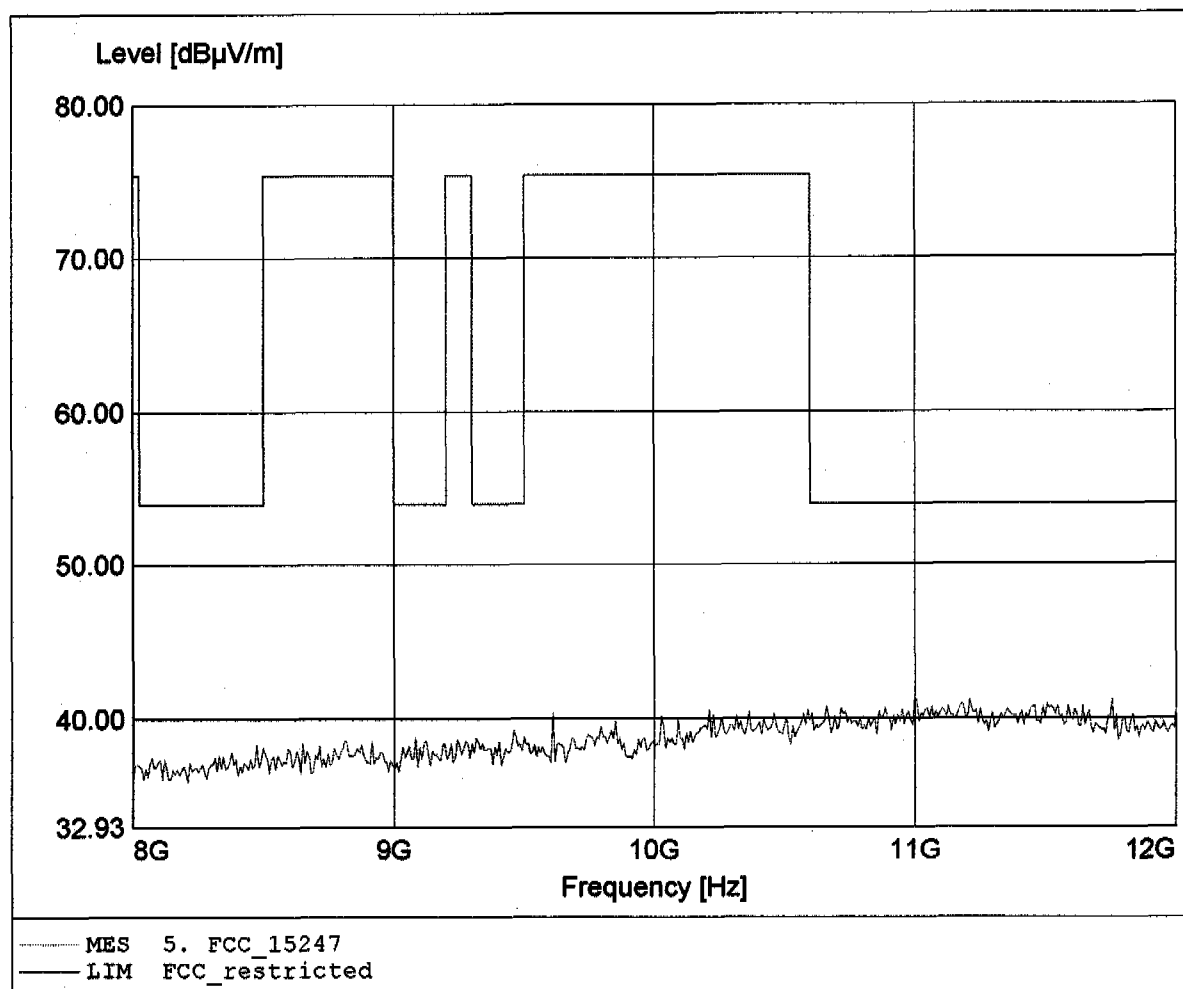
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2402 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.581GHz, Emax: 41.87dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

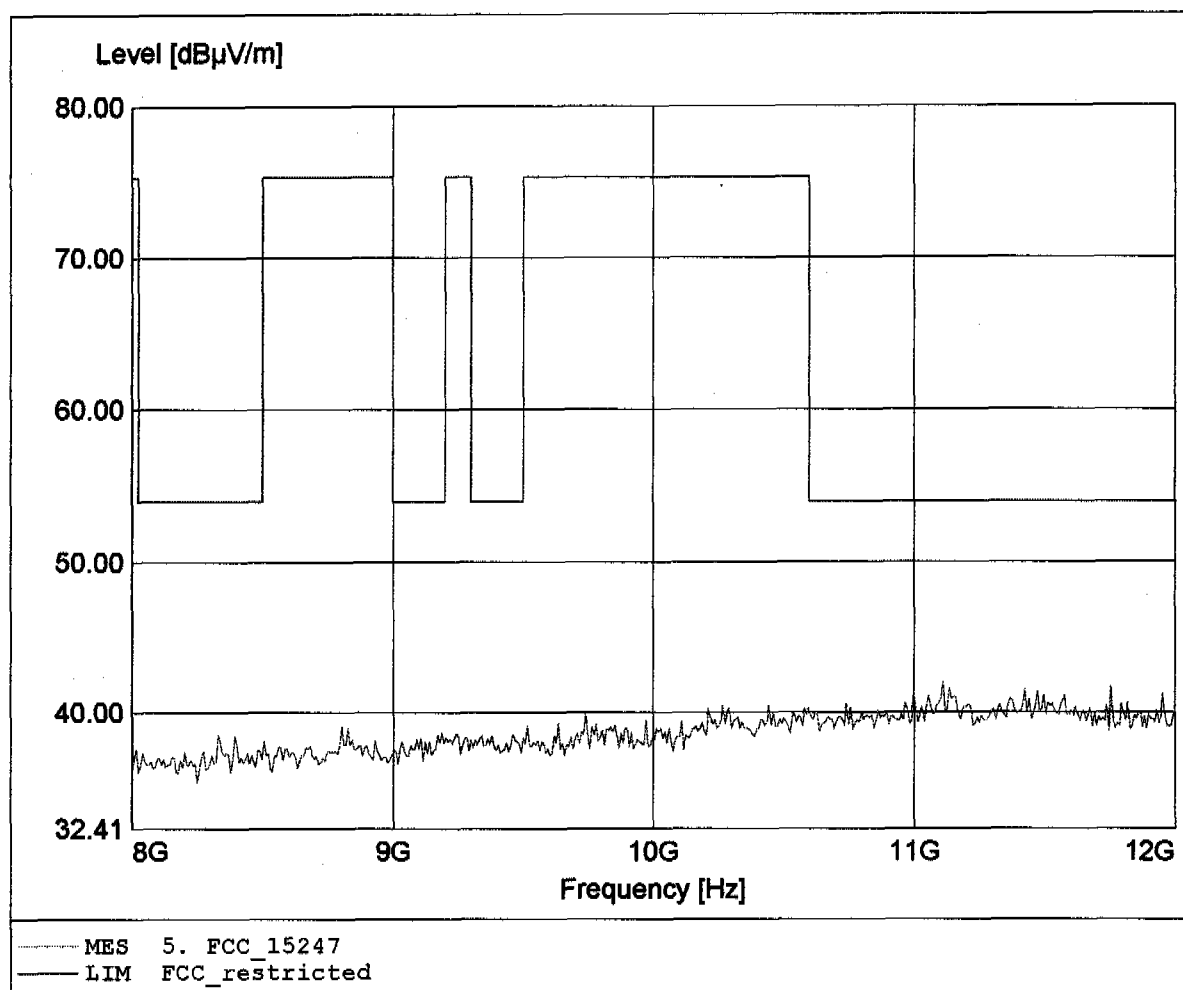
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2402 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.998GHz, Emax: 41.48dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

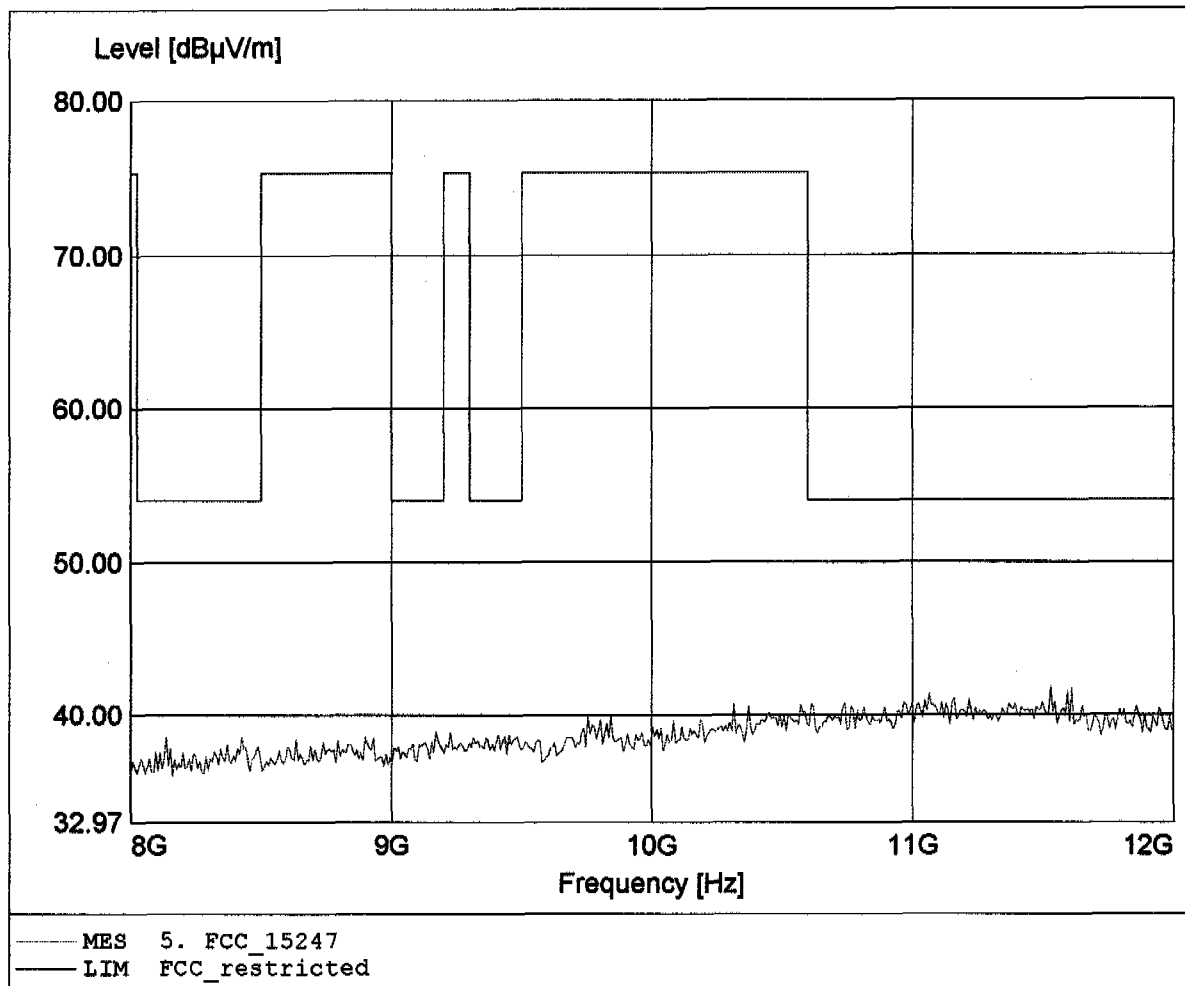
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2441 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.110GHz, Emax: 42.07dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

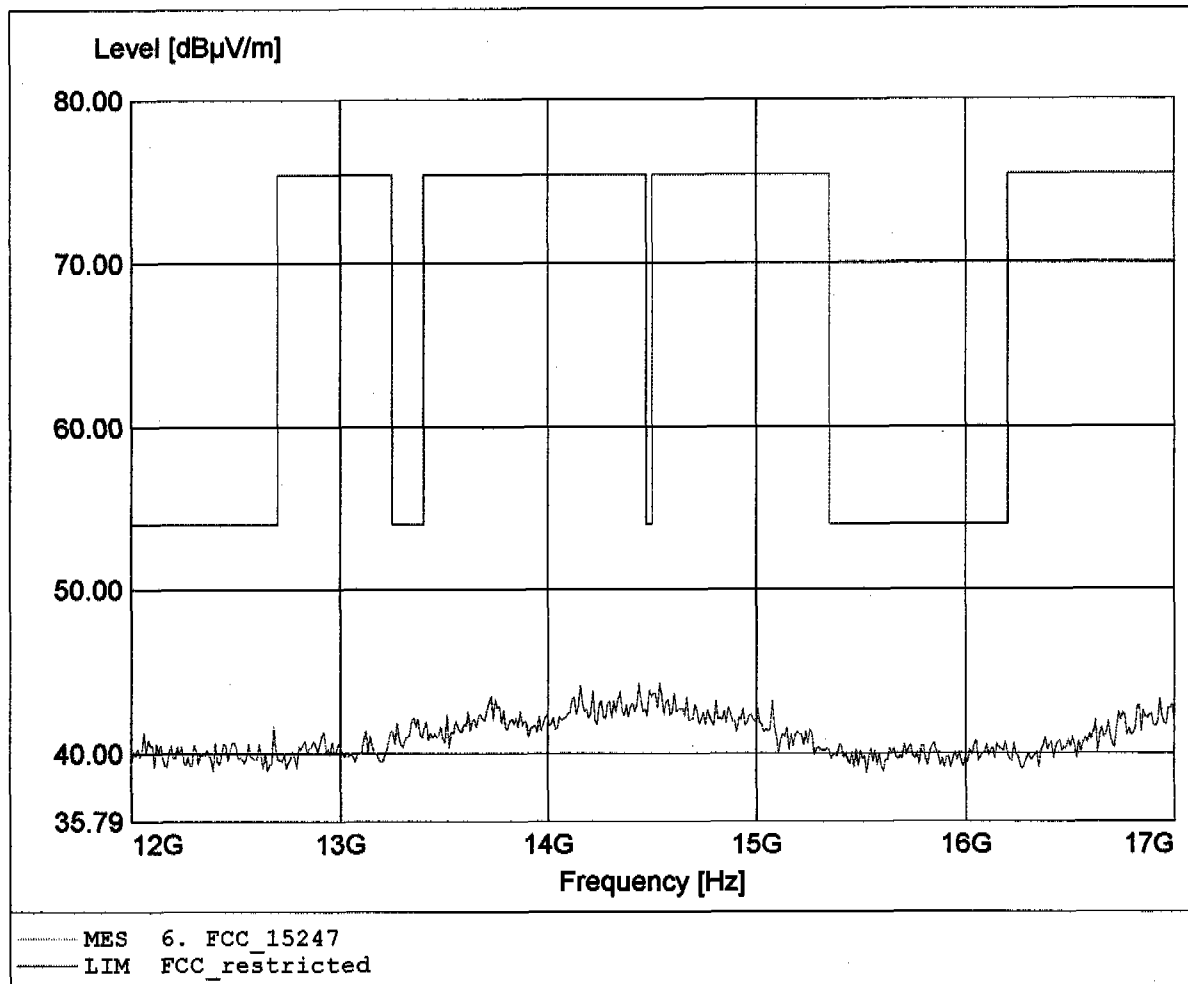
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2441 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.527GHz, Emax: 41.87dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

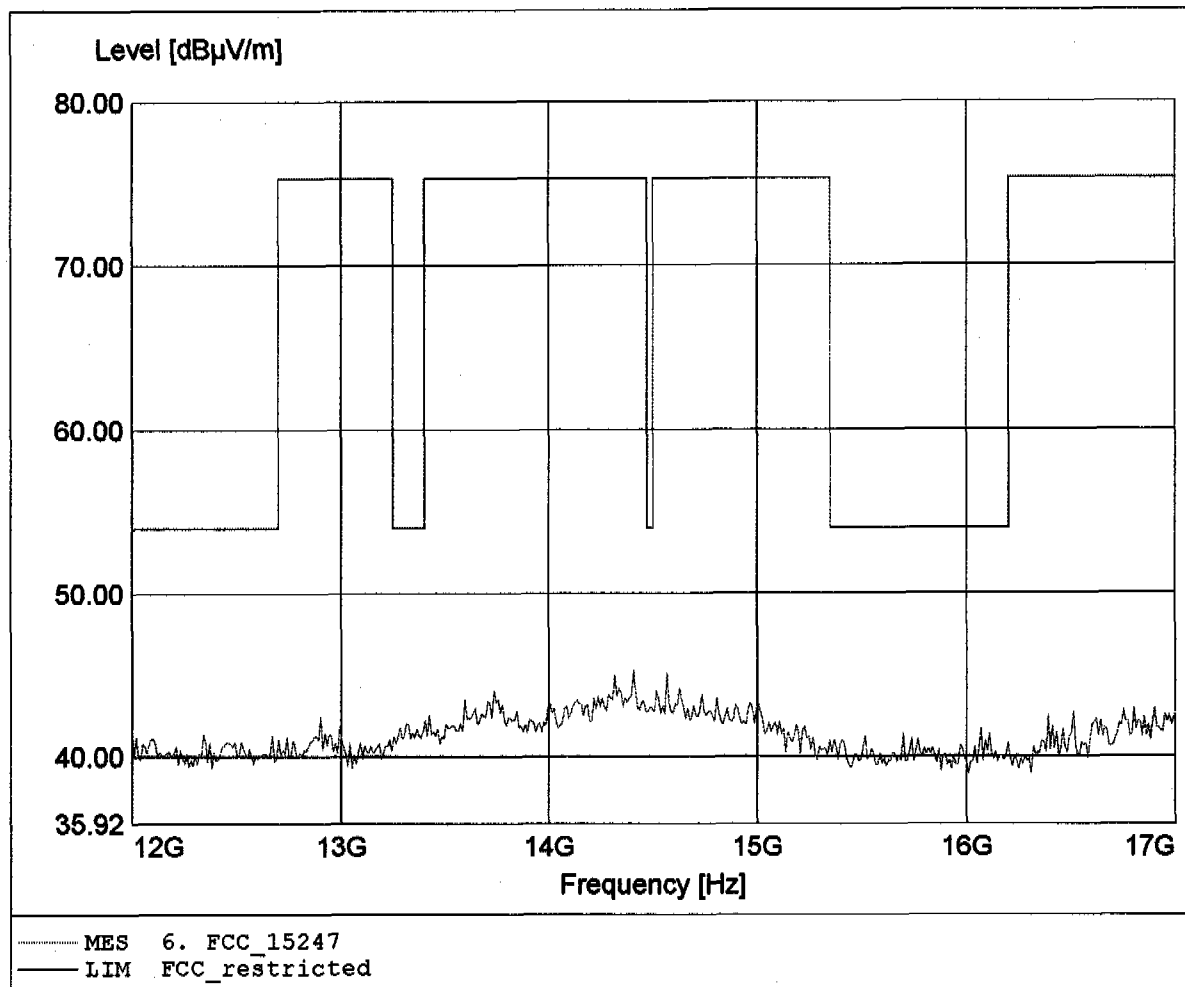
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2480 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.535GHz, Emax: 44.24dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

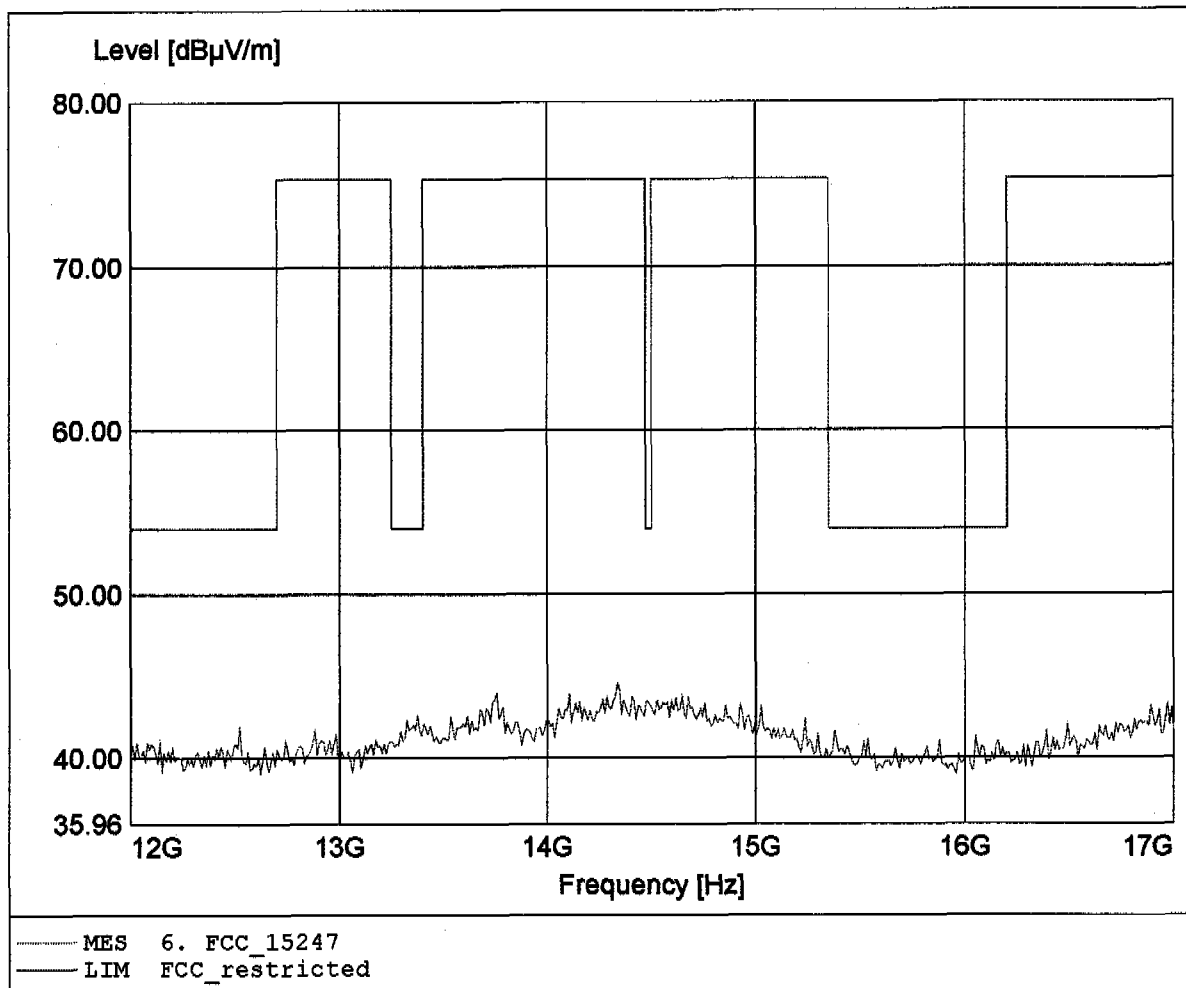
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2480 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.405GHz, Emax: 45.20dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

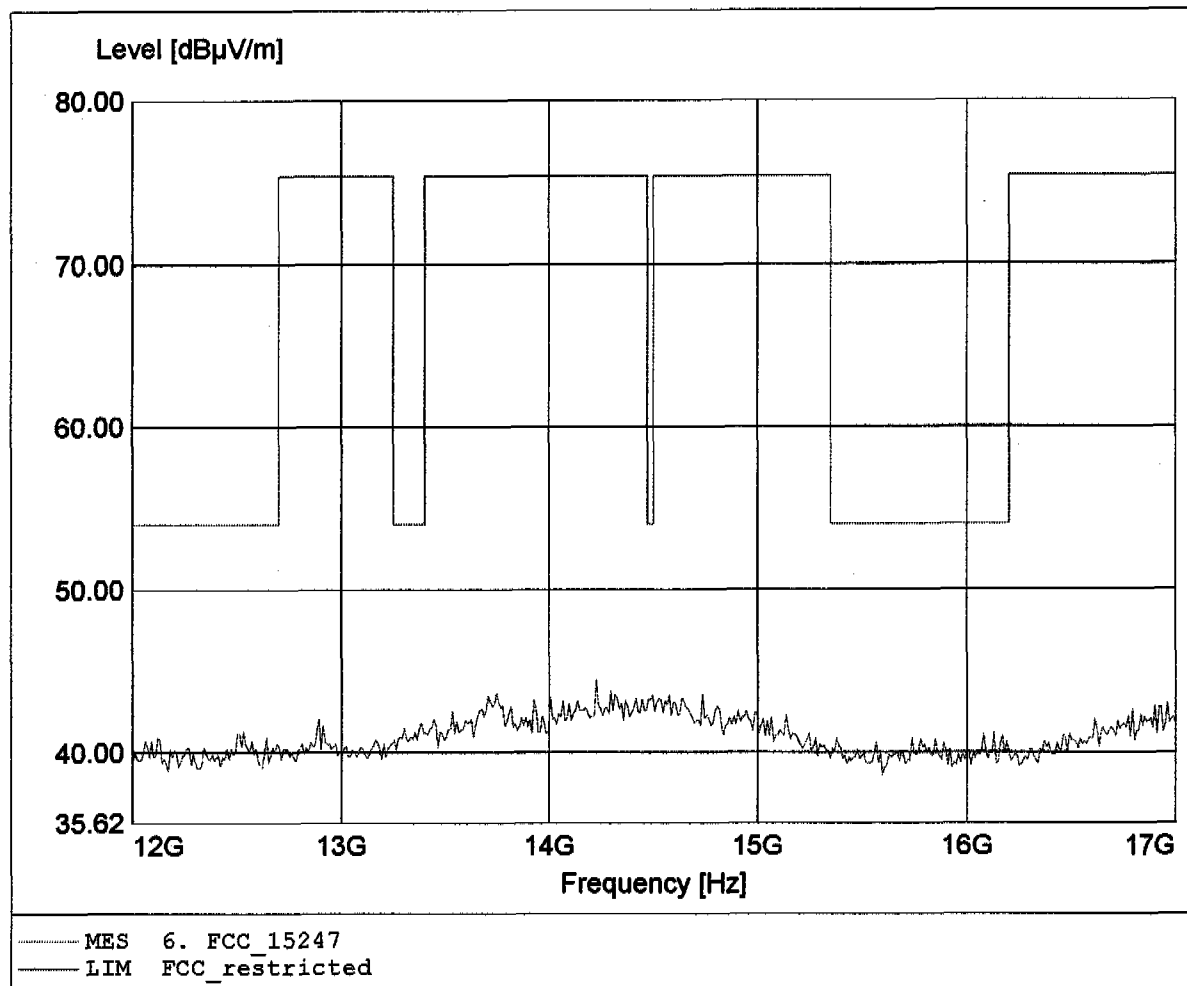
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2402 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.335GHz, Emax: 44.62dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

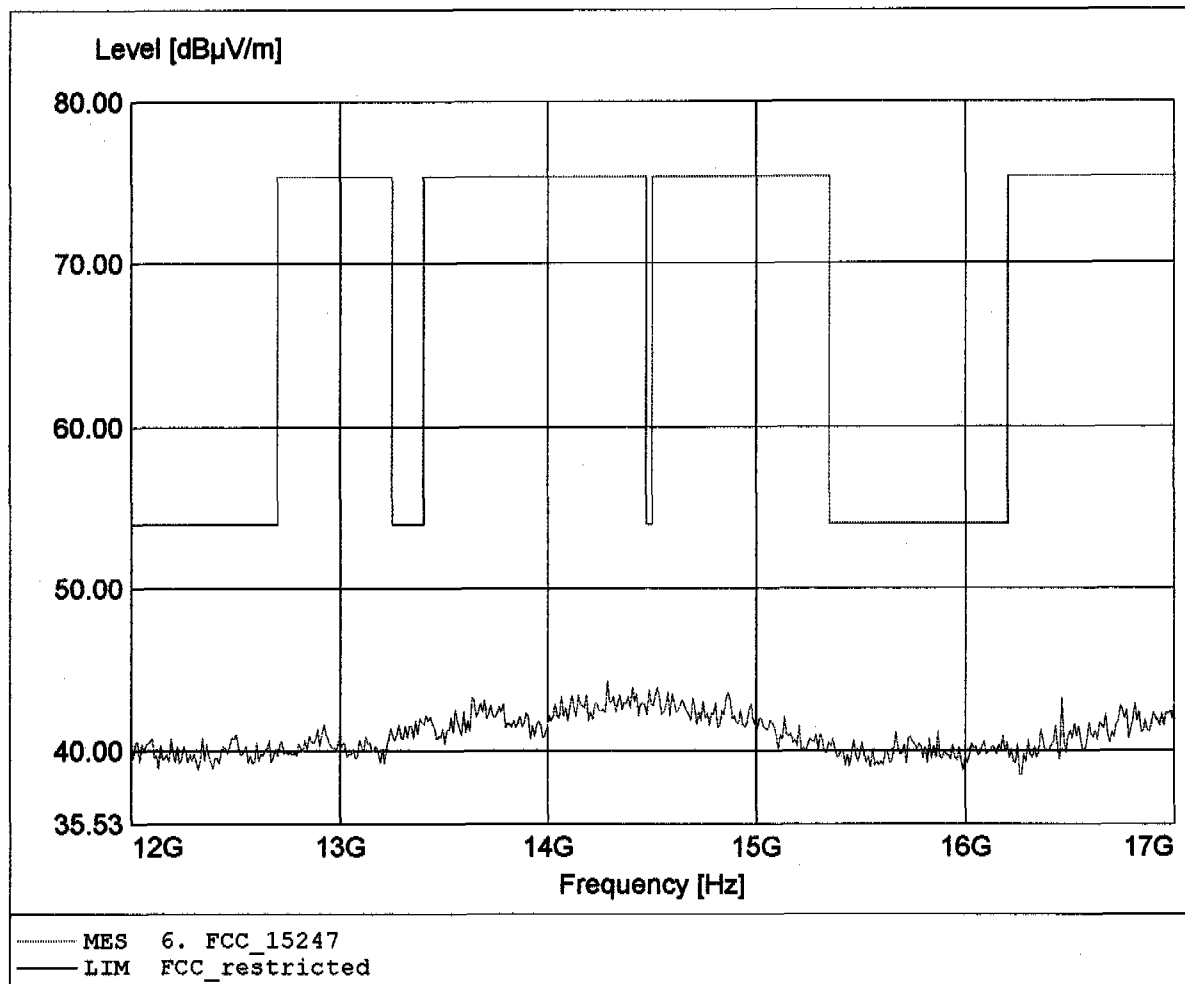
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2402 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBMA9120D, ampl.+HP.
Comment 2: Freq: 14.224GHz, Emax: 44.49dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

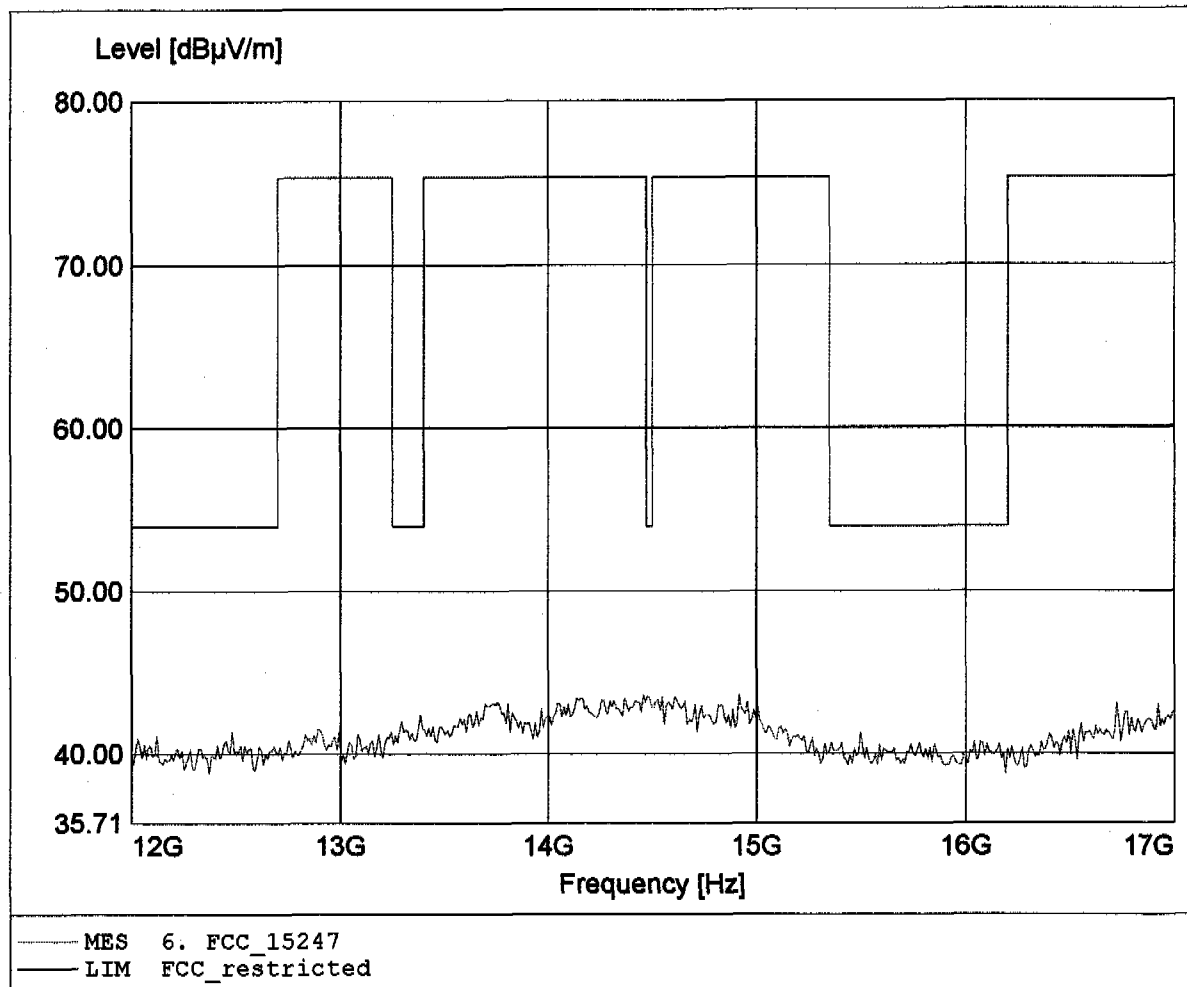
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2441 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.285GHz, Emax: 44.32dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

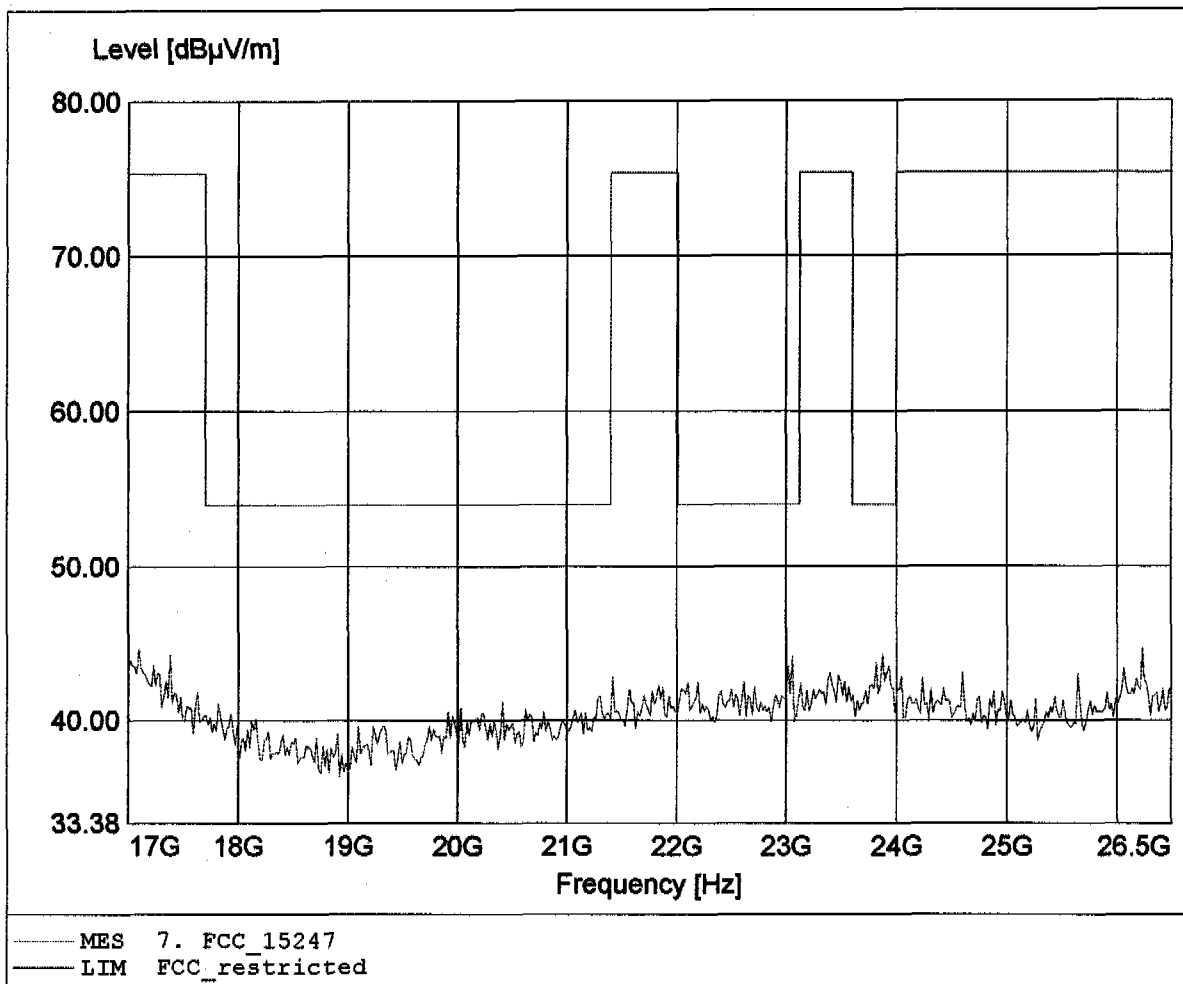
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2441 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.916GHz, Emax: 43.64dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

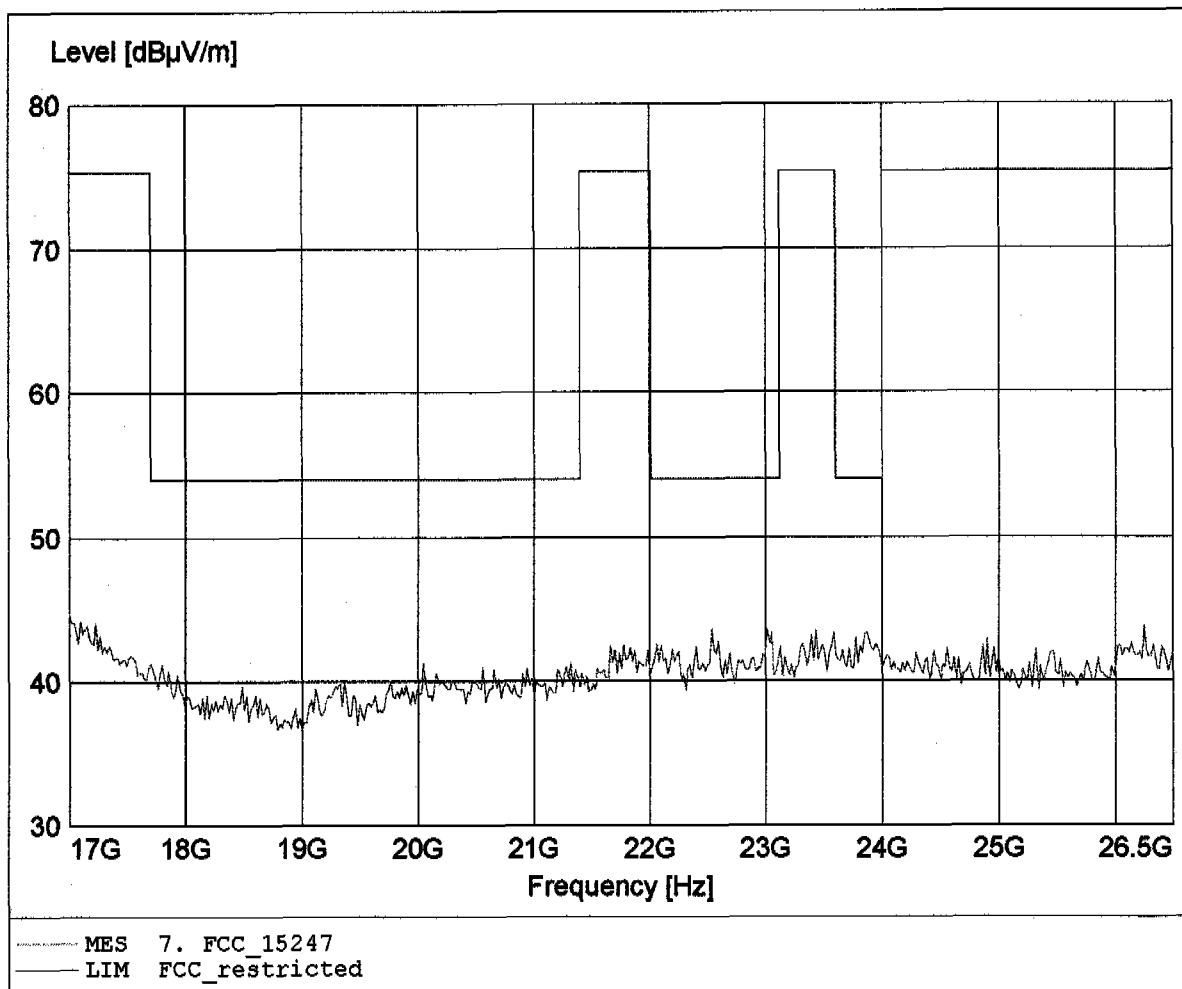
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2480 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.233GHz, Emax: 44.66dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

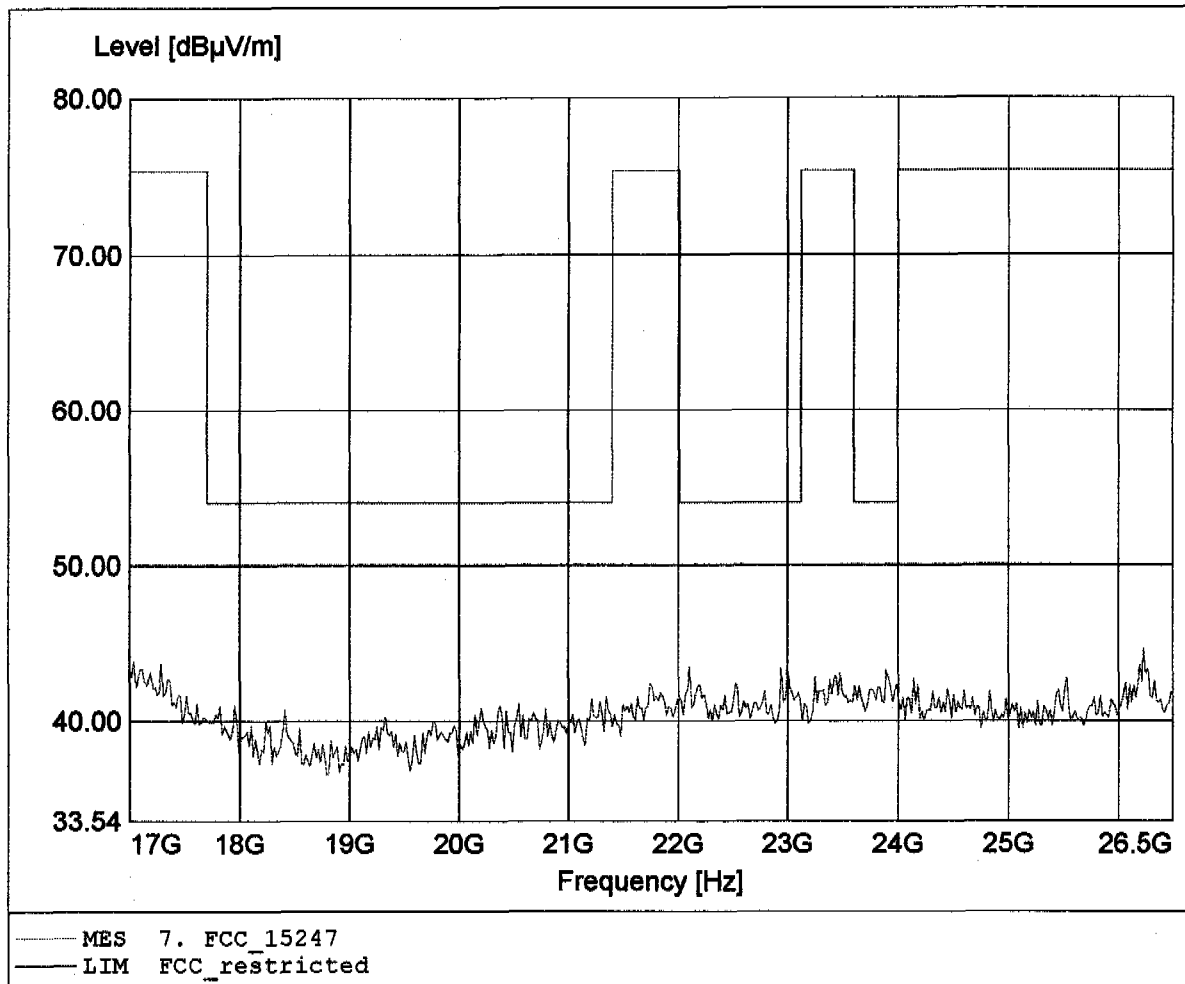
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2480 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.000GHz; Emax: 44.74dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

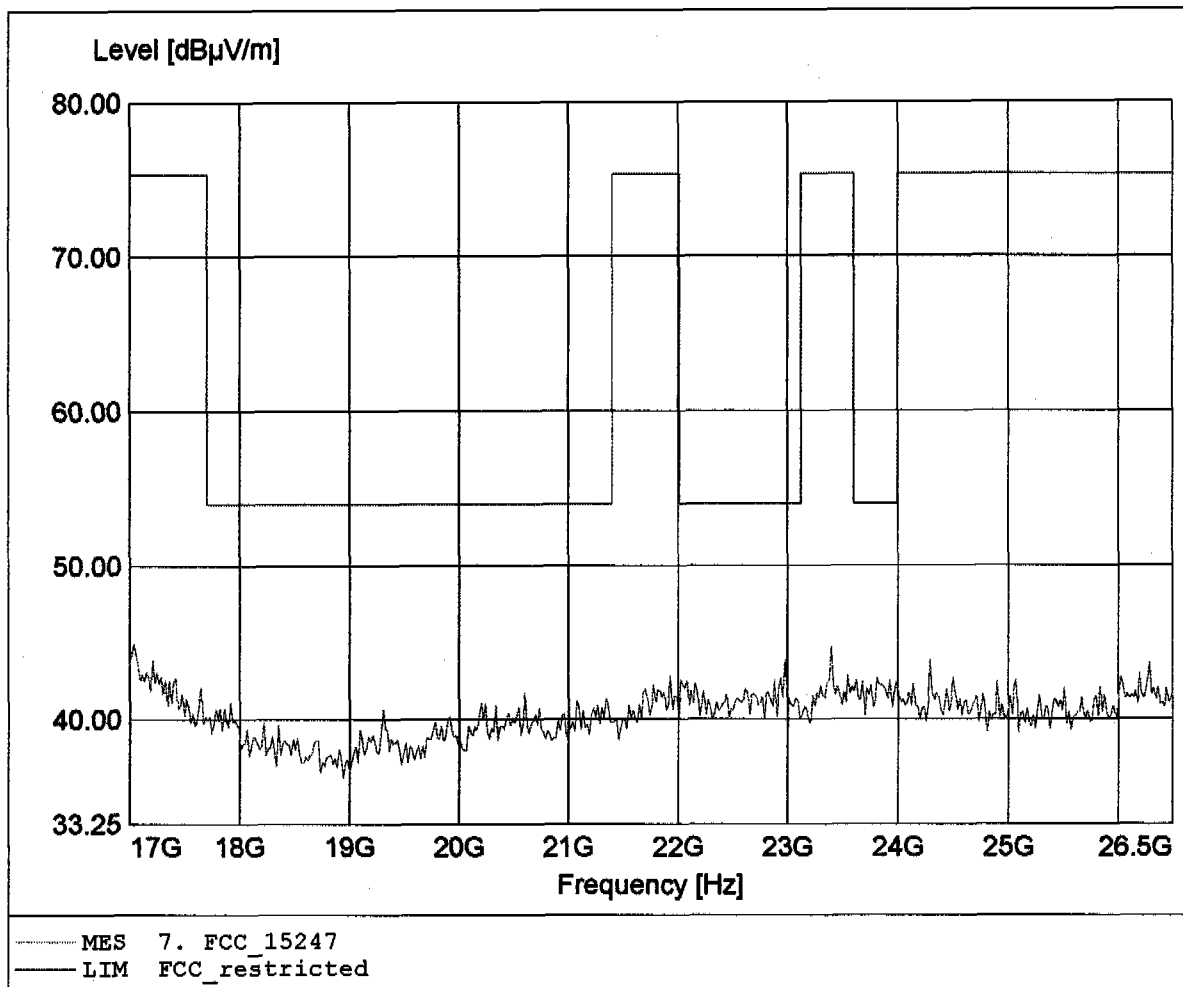
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2402 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.233GHz, Emax: 44.72dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

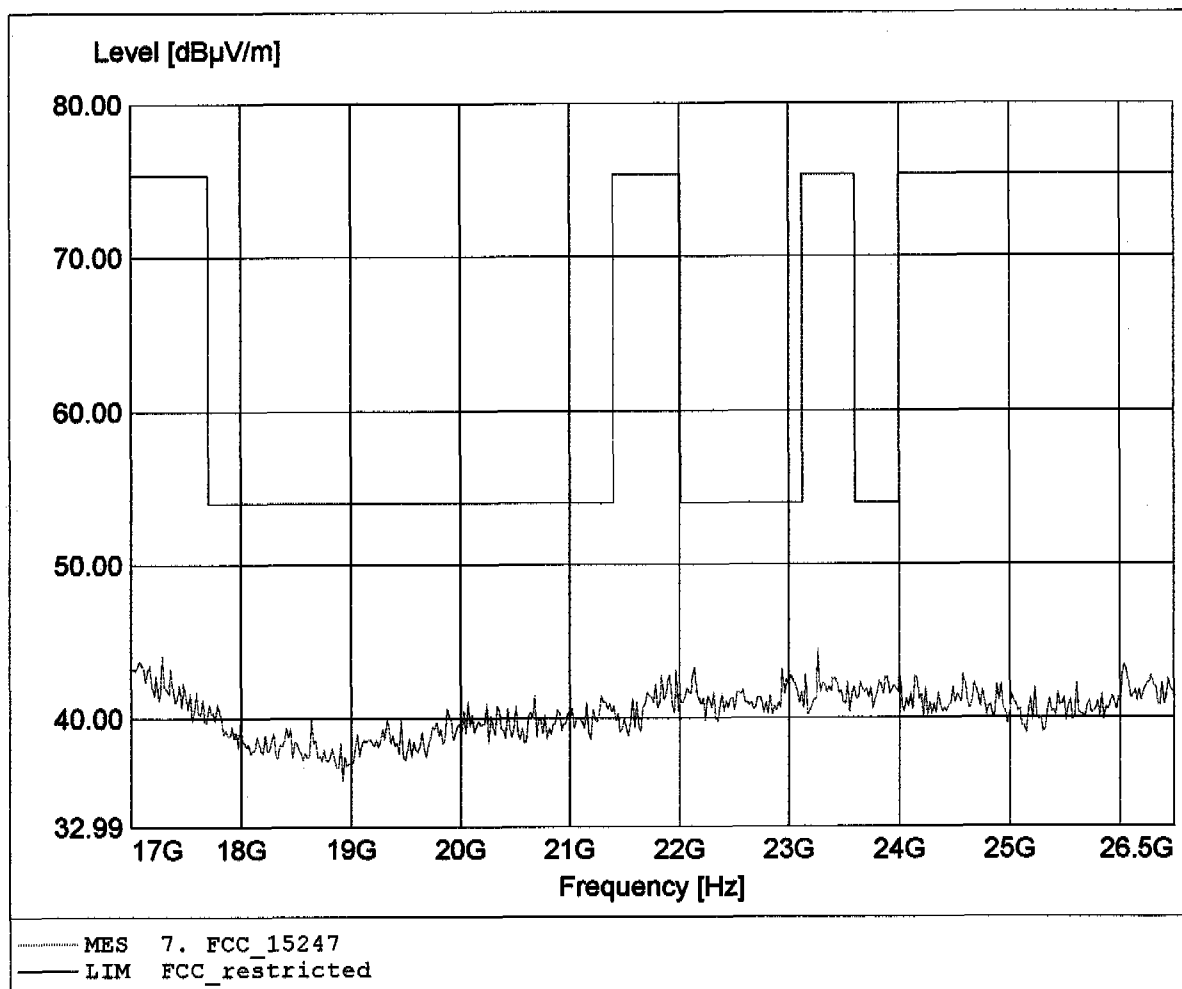
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2402 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.038GHz, Emax: 44.87dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

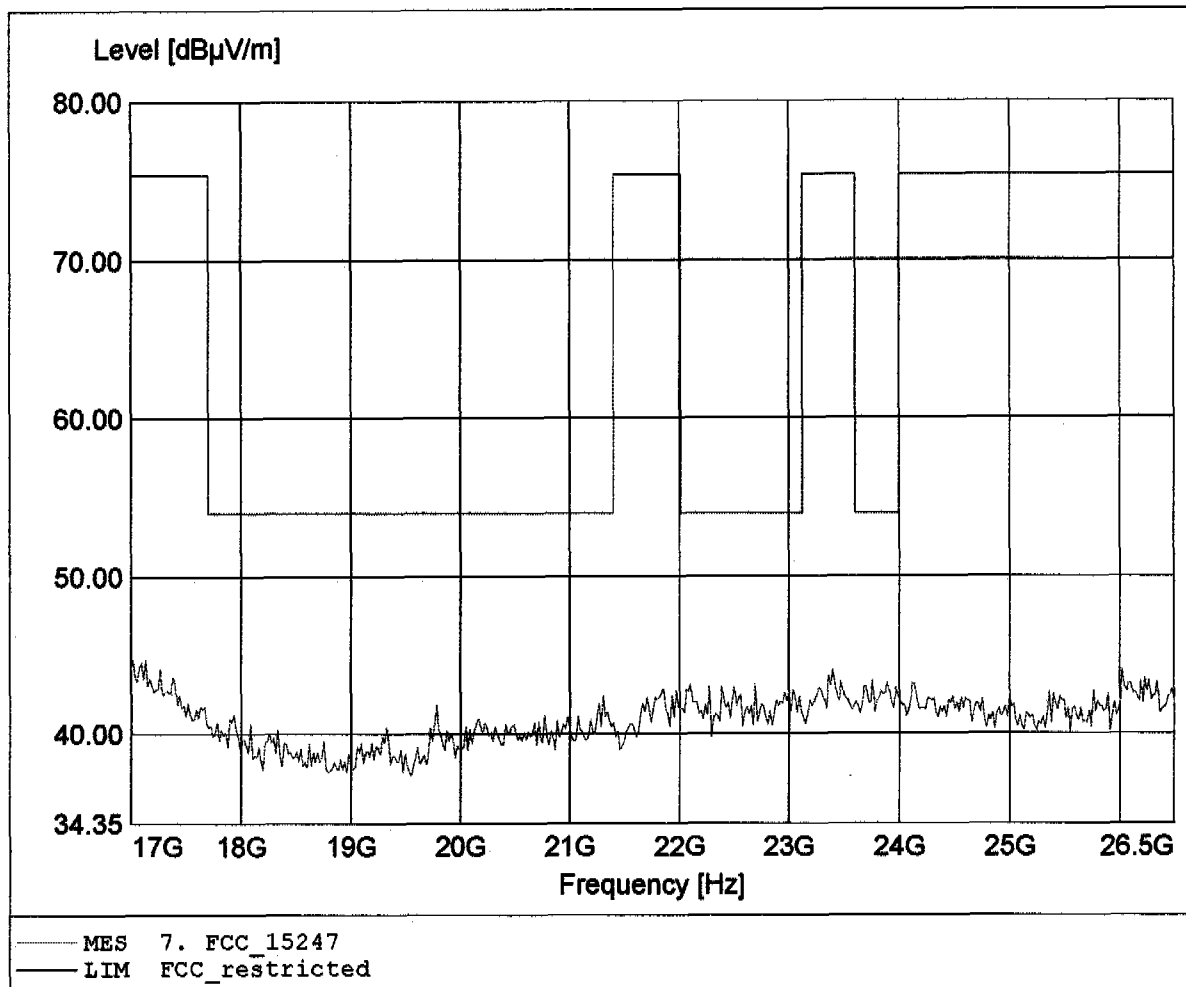
Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2441 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 23.264GHz, Emax: 44.44dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

Applicant: LinTech GmbH Kommunikationstechnologien
EUT : Bluetooth RS232 Mini Adaptor / 2441 MHz
Model: 1409
Test Site / Operator: ETS / Mr. Handrik
Temperature/ Voltage: 25°C / Unom: 3.7 V DC
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.133GHz, Emax: 44.79dBµV/m, RBW: 1MHz



Appendix D

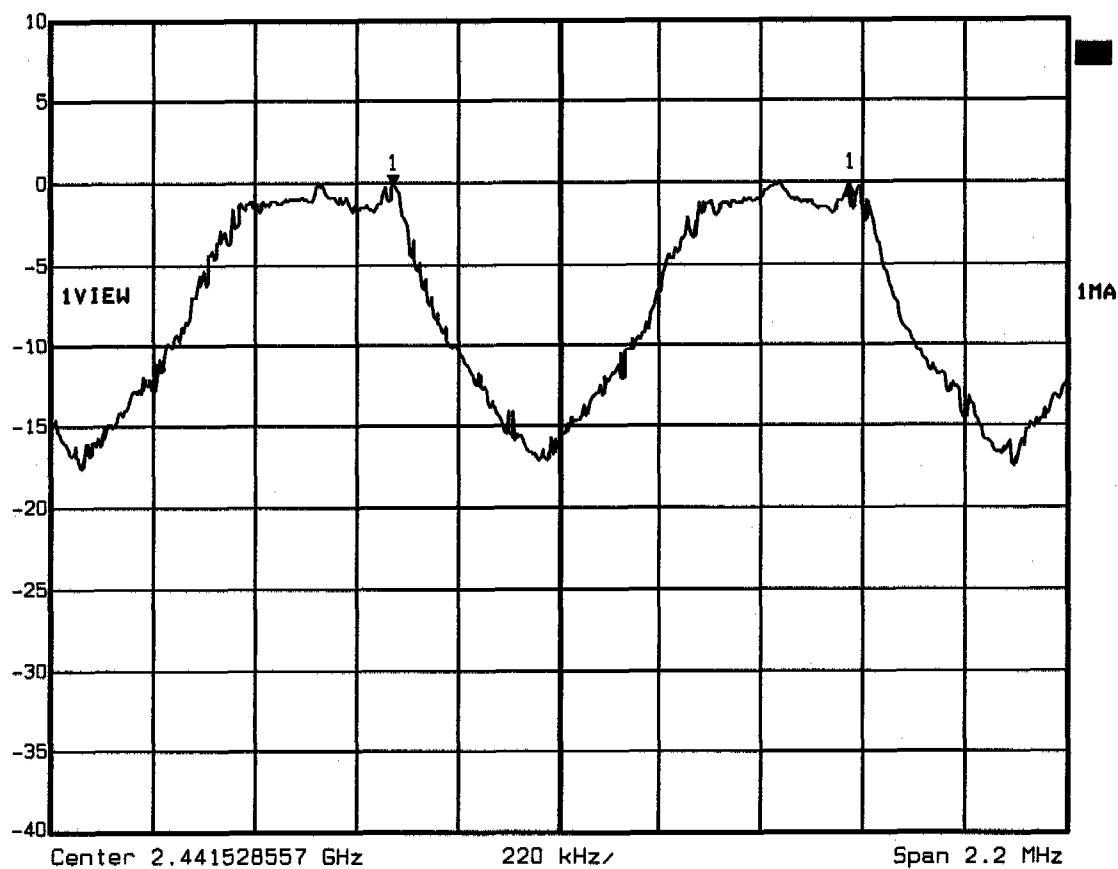
Spurious Emissions conducted - Transmitter operating

Appendix E

Carrier Frequency Separation



Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl -0.01 dB VBW 100 kHz
10 dBm 991.98396794 kHz SWT 5 ms Unit dBm



Title: Carrier Frequency Separation
Comment A: Bluetooth RS232 Mini Adaptor
Date: 13.AUG.2004 08:36:48

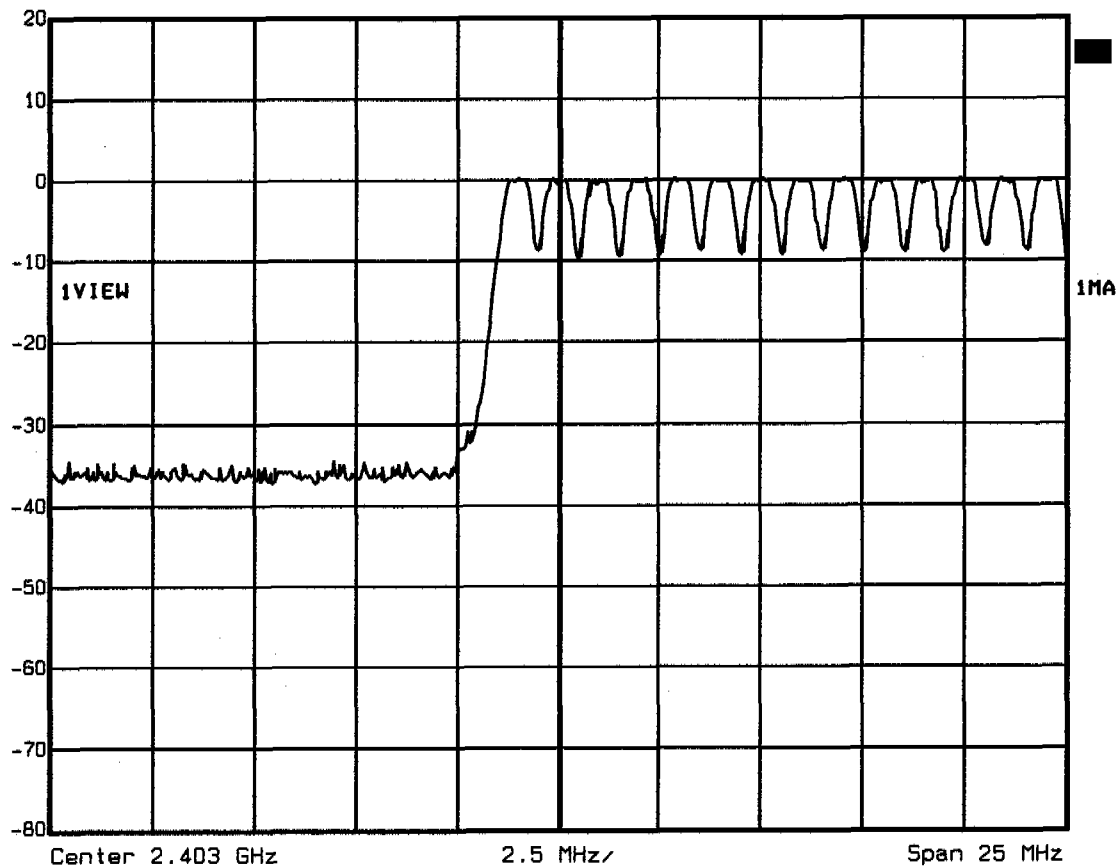
Appendix F

Number of Hopping Frequencies



Ref Lvl
20 dBm

RBW 300 kHz RF Att 50 dB
VBW 300 kHz
SWT 5 ms Unit dBm

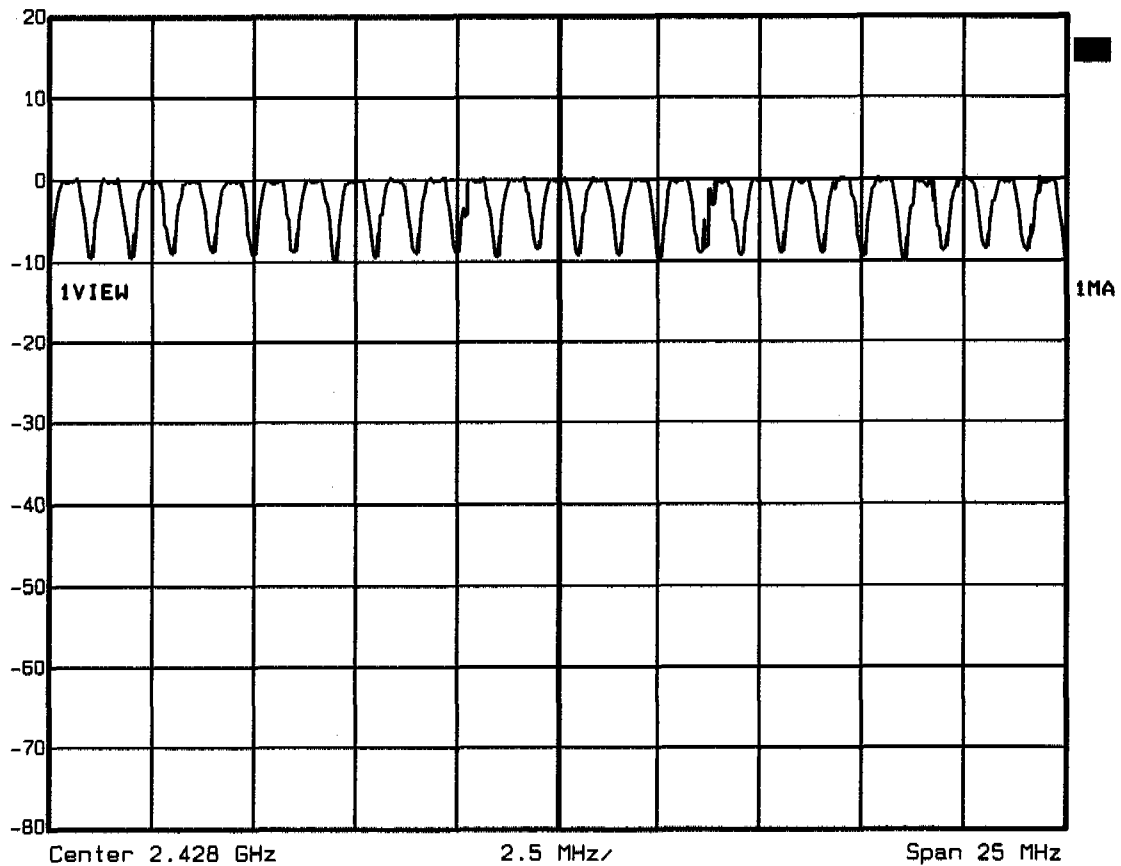


Title: Number of Hopping Frequencies Ch.: 0-13
Comment A: Bluetooth RS232 Mini Adaptor
Date: 13.AUG.2004 09:04:40



Ref Lvl
20 dBm

RBW 300 kHz RF Att 50 dB
VBW 300 kHz
SWT 5 ms Unit dBm

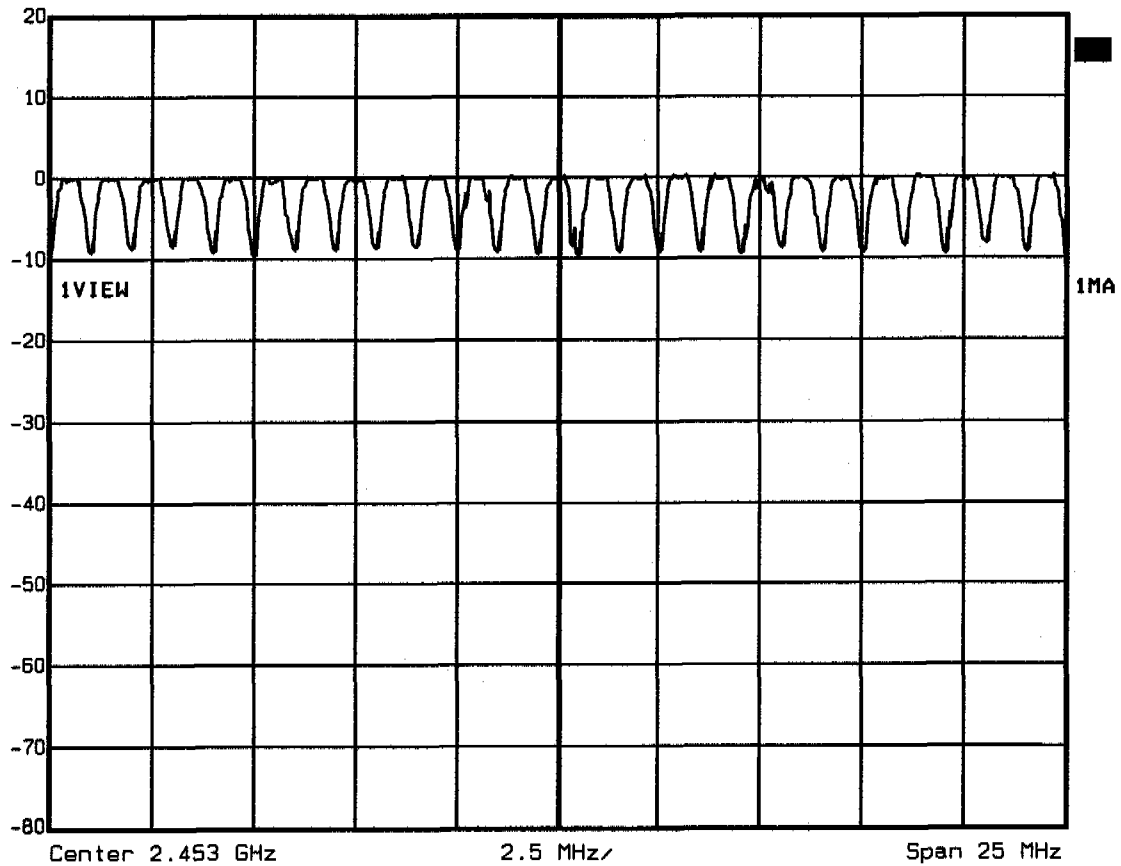


Title: Number of Hopping Frequencies Ch.: 14-38
Comment A: Bluetooth RS232 Mini Adaptor
Date: 13.AUG.2004 09:05:51



Ref Lvl
20 dBm

RBW 300 kHz RF Att 50 dB
VBW 300 kHz
SWT 5 ms Unit dBm

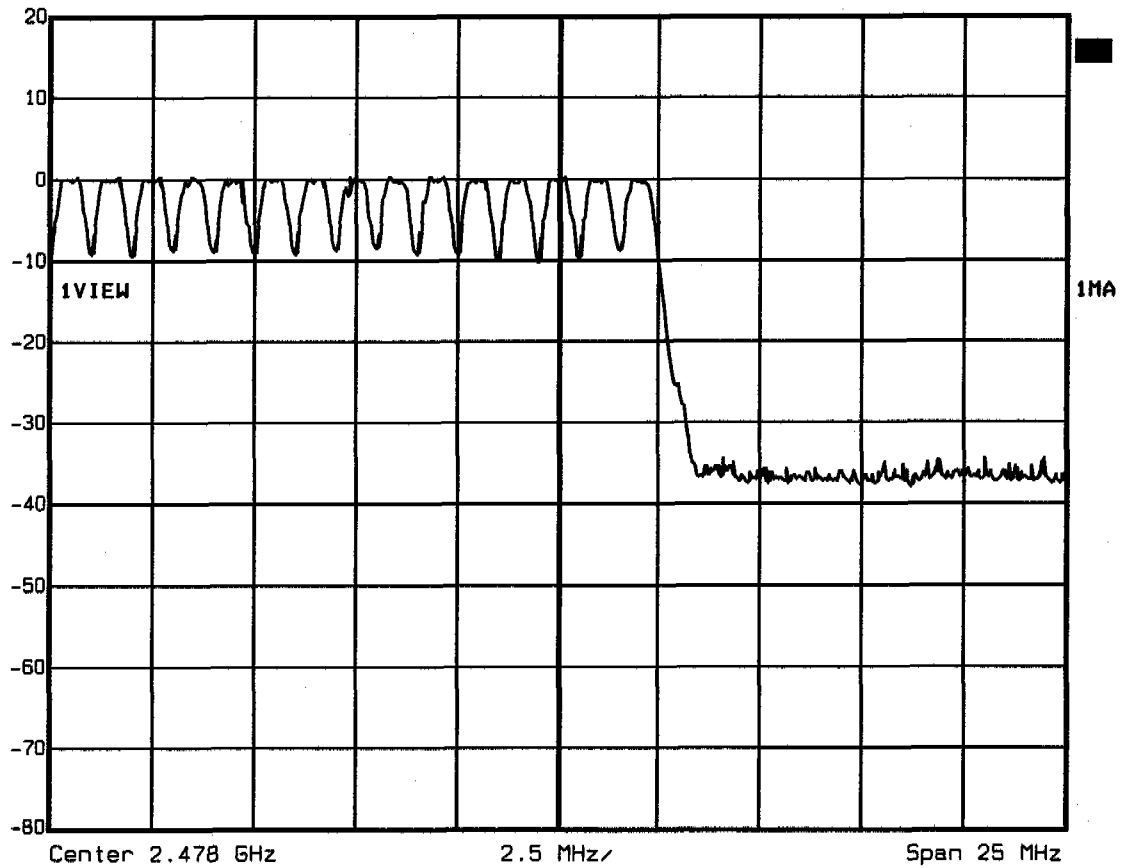


Title: Number of Hopping Frequencies Ch.: 39-63
Comment A: Bluetooth RS232 Mini Adaptor
Date: 13.AUG.2004 09:07:38



Ref Lvl
20 dBm

RBW 300 kHz RF Att 50 dB
VBW 300 kHz
SWT 5 ms Unit dBm

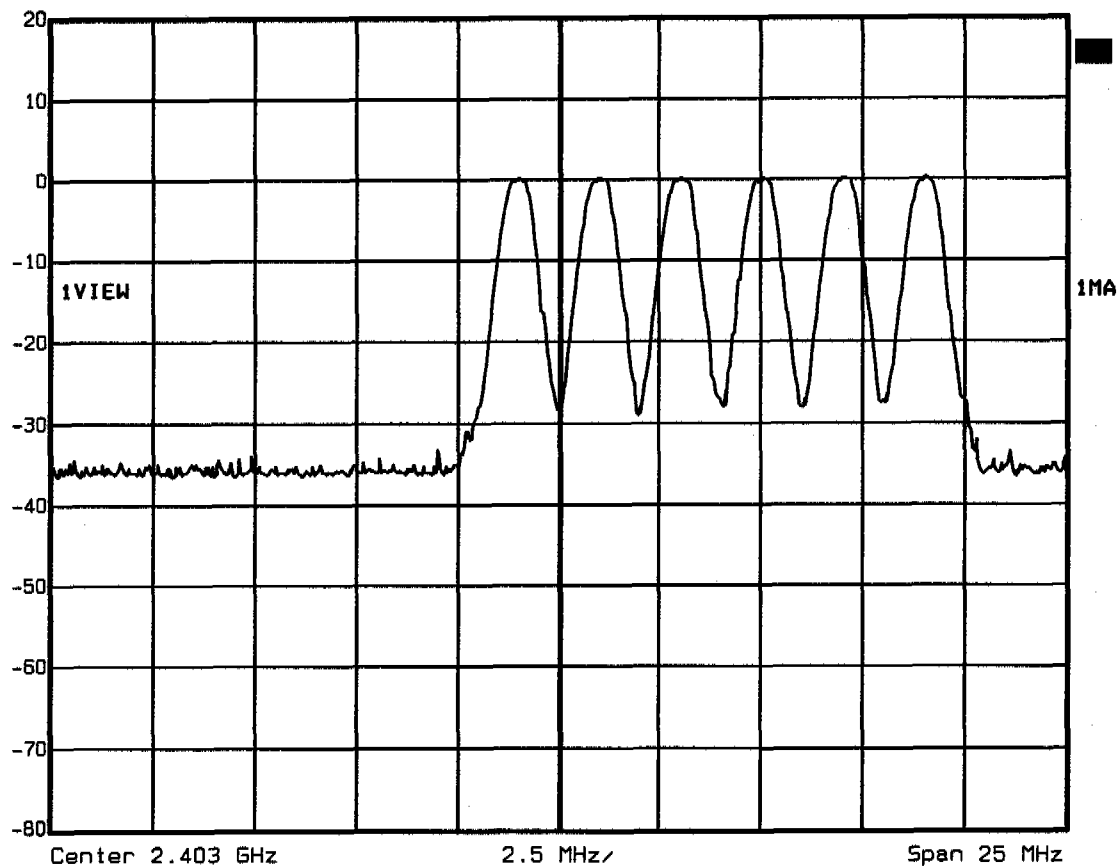


Title: Number of Hopping Frequencies Ch.: 64-78
Comment A: Bluetooth RS232 Mini Adaptor
Date: 13.AUG.2004 09:08:44



Ref Lvl
20 dBm

RBW 300 kHz RF Att 50 dB
VBW 300 kHz
SWT 5 ms Unit dBm

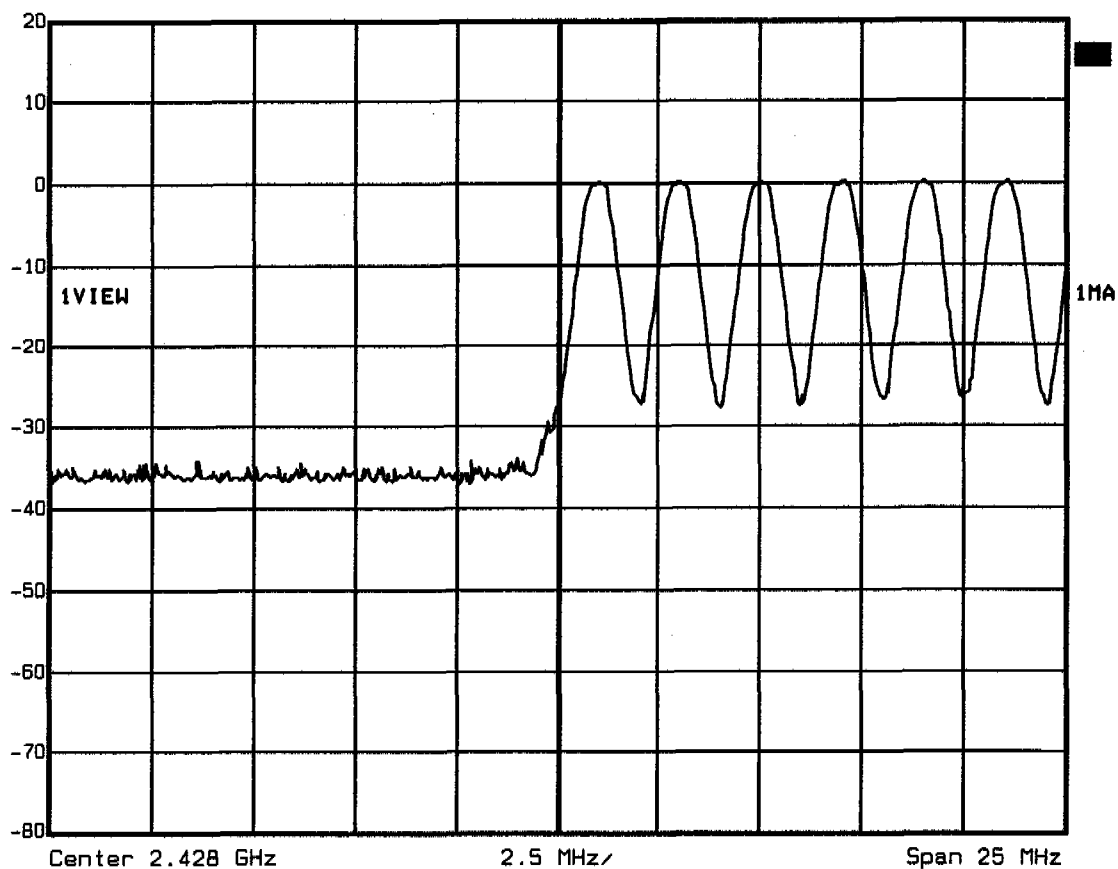


Title: Number of Hopping Frequencies (Master Inquiry Mode)
Comment A: Bluetooth RS232 Mini Adaptor
Date: 13.AUG.2004 09:43:25



Ref Lvl
20 dBm

RBW 300 kHz RF Att 50 dB
VBW 300 kHz
SWT 5 ms Unit dBm

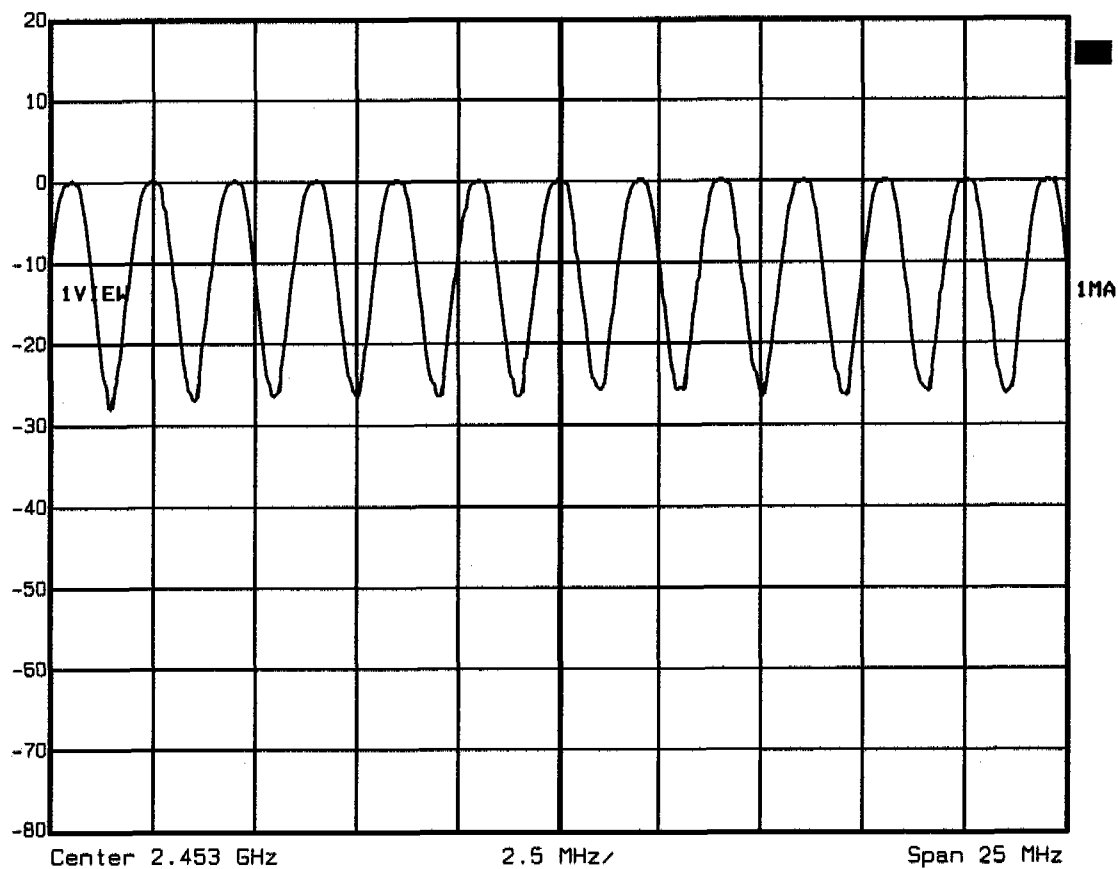


Title: Number of Hopping Frequencies (Master Inquiry Mode)
Comment A: Bluetooth RS232 Mini Adaptor
Date: 13.AUG.2004 09:46:10



Ref Lvl
20 dBm

RBW 300 kHz RF Att 50 dB
VBW 300 kHz
SWT 5 ms Unit dBm

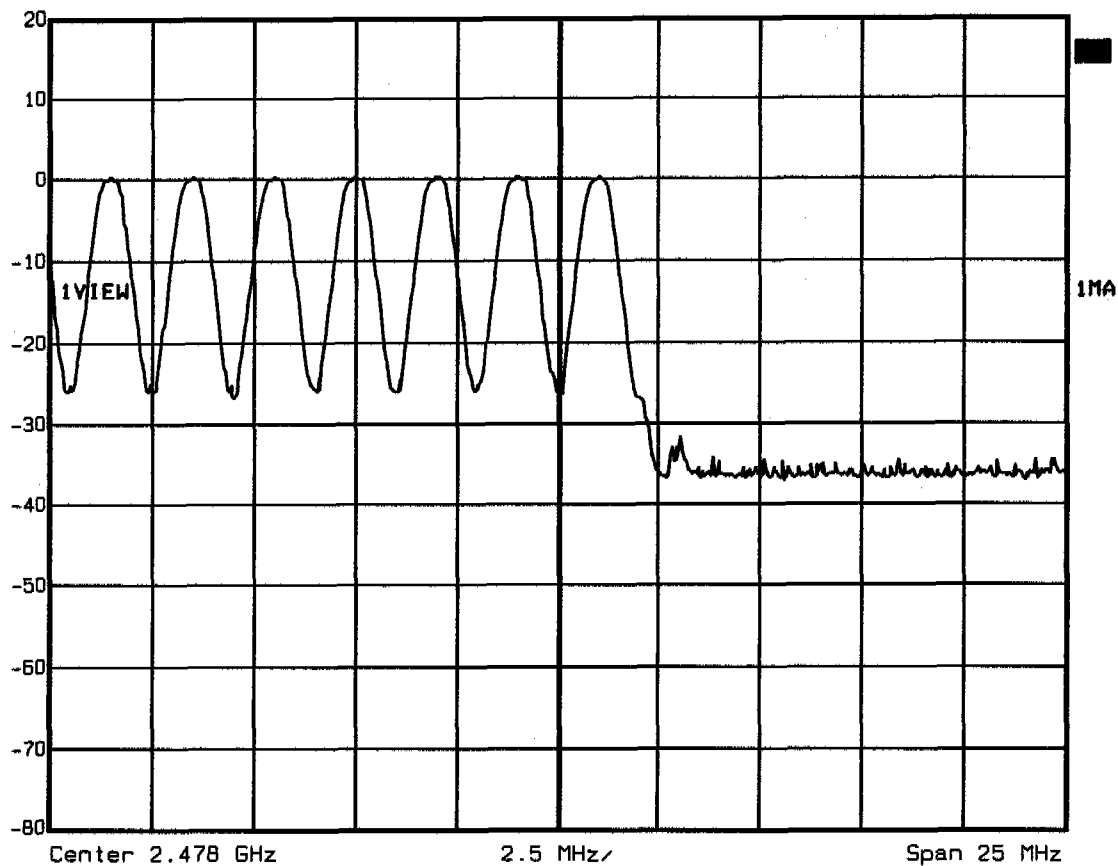


Title: Number of Hopping Frequencies (Master Inquiry Mode)
Comment A: Bluetooth RS232 Mini Adaptor
Date: 13.AUG.2004 09:52:35



Ref Lvl
20 dBm

RBW 300 kHz RF Att 50 dB
VBW 300 kHz
SWT 5 ms Unit dBm



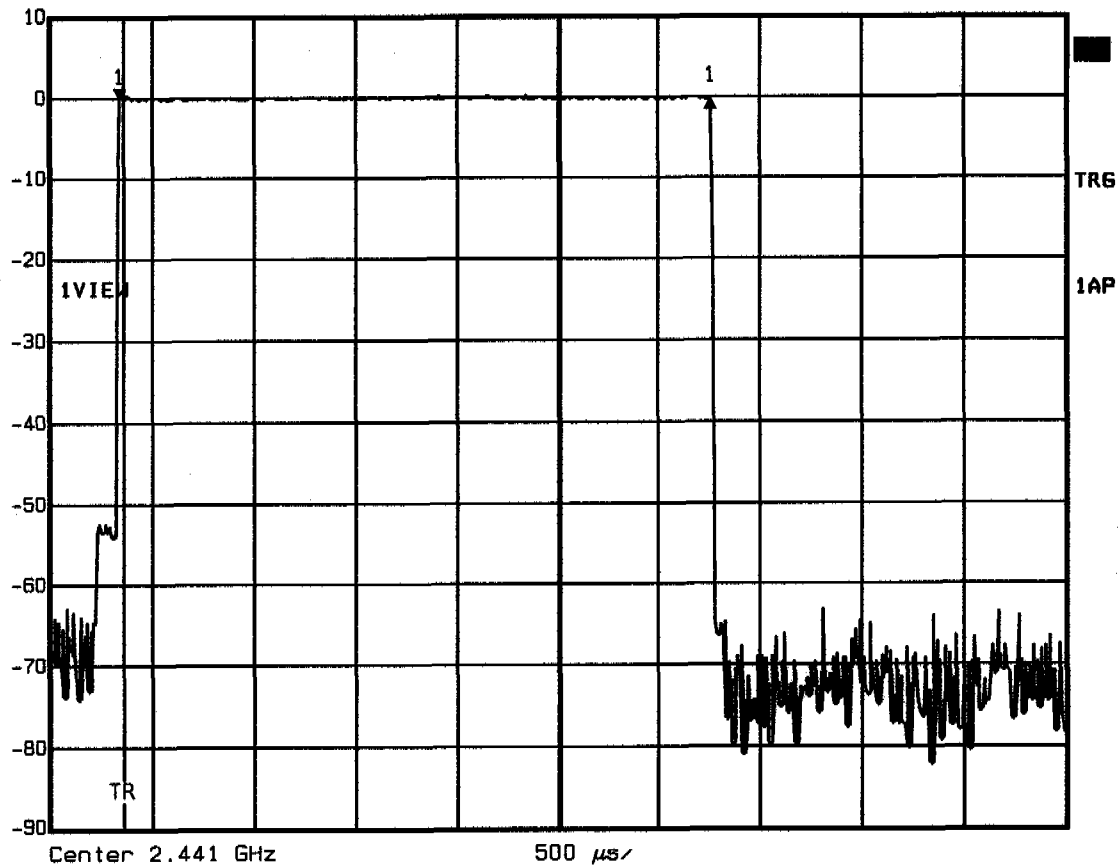
Title: Number of Hopping Frequencies (Master Inquiry Mode)
Comment A: Bluetooth RS232 Mini Adaptor
Date: 13.AUG.2004 09:55:51

Appendix G

Time of Occupancy (Dwell Time)



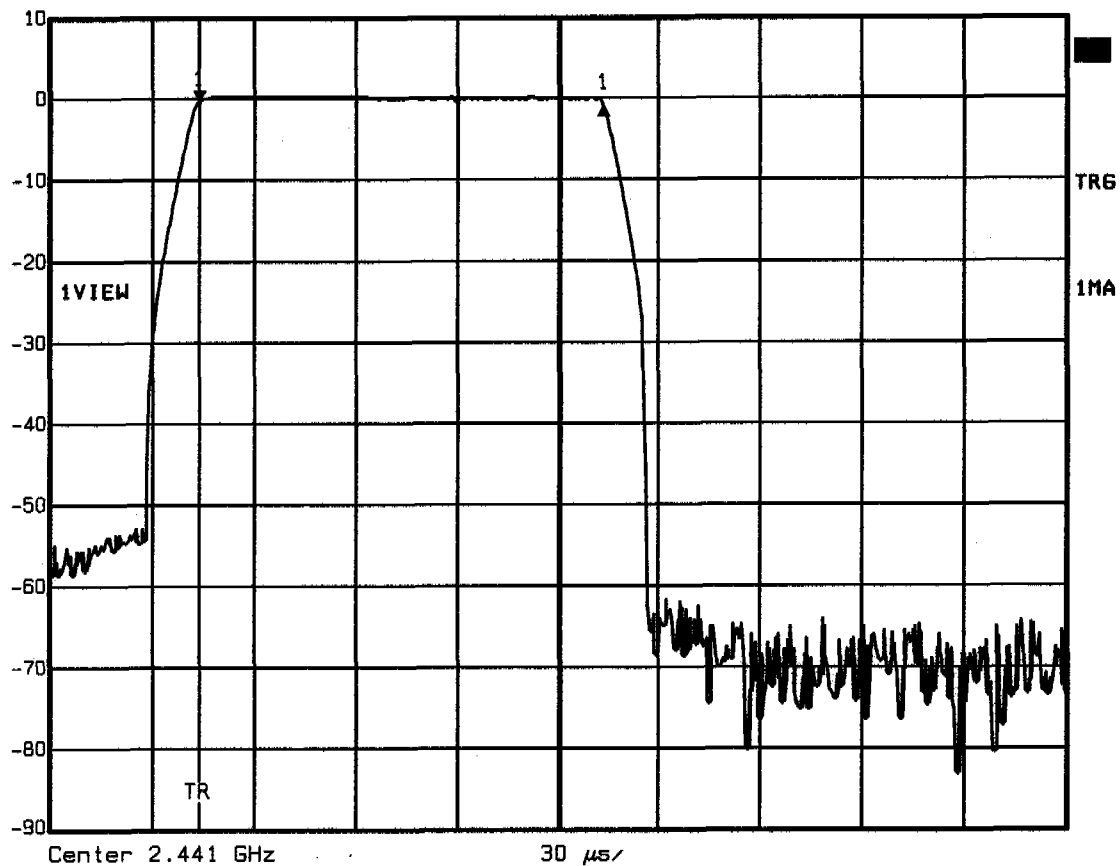
Delta 1 [T1] RBW 1 MHz RF Att 20 dB
Ref Lvl -0.16 dB VBW 1 MHz
10 dBm 2.915832 ms SWT 5 ms Unit dBm



Title: Time of occupancy (Hopping DH5) 64 events*2.916ms=186.62ms
Comment A: Bluetooth RS232 Mini Adaptor
Date: 13.AUG.2004 09:33:37



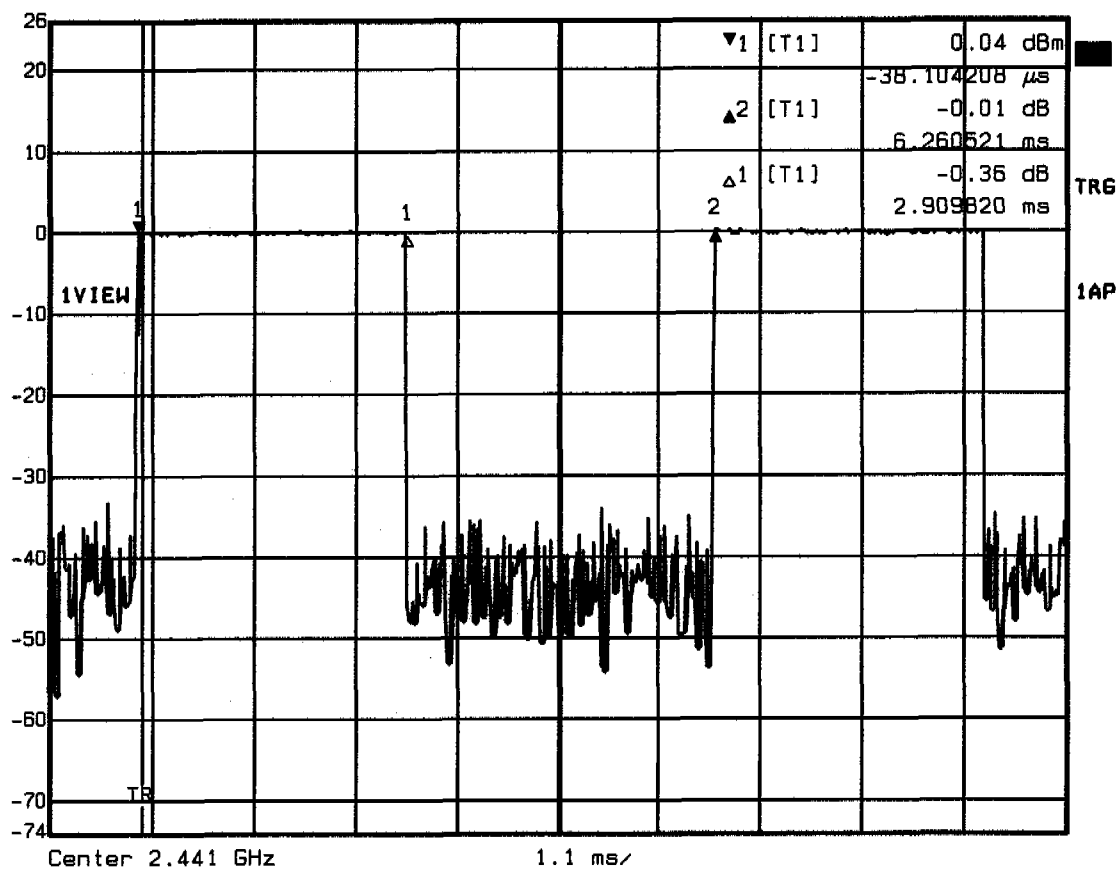
Delta 1 [T1] RBW 1 MHz RF Att 20 dB
Ref Lvl -0.46 dB VBW 1 MHz
10 dBm 119.839679 μ s SWT 300 μ s Unit dBm



Title: Time of occupancy (Inquiry) 424 events*0.1198397ms=50.812ms
Comment A: Bluetooth RS232 Mini Adaptor
Date: 13.AUG.2004 10:10:45



Delta 2 [T1] RBW 1 MHz RF Att 50 dB
Ref Lvl -0.01 dB VBW 1 MHz
26 dBm 6.260521 ms SWT 11 ms Unit dBm



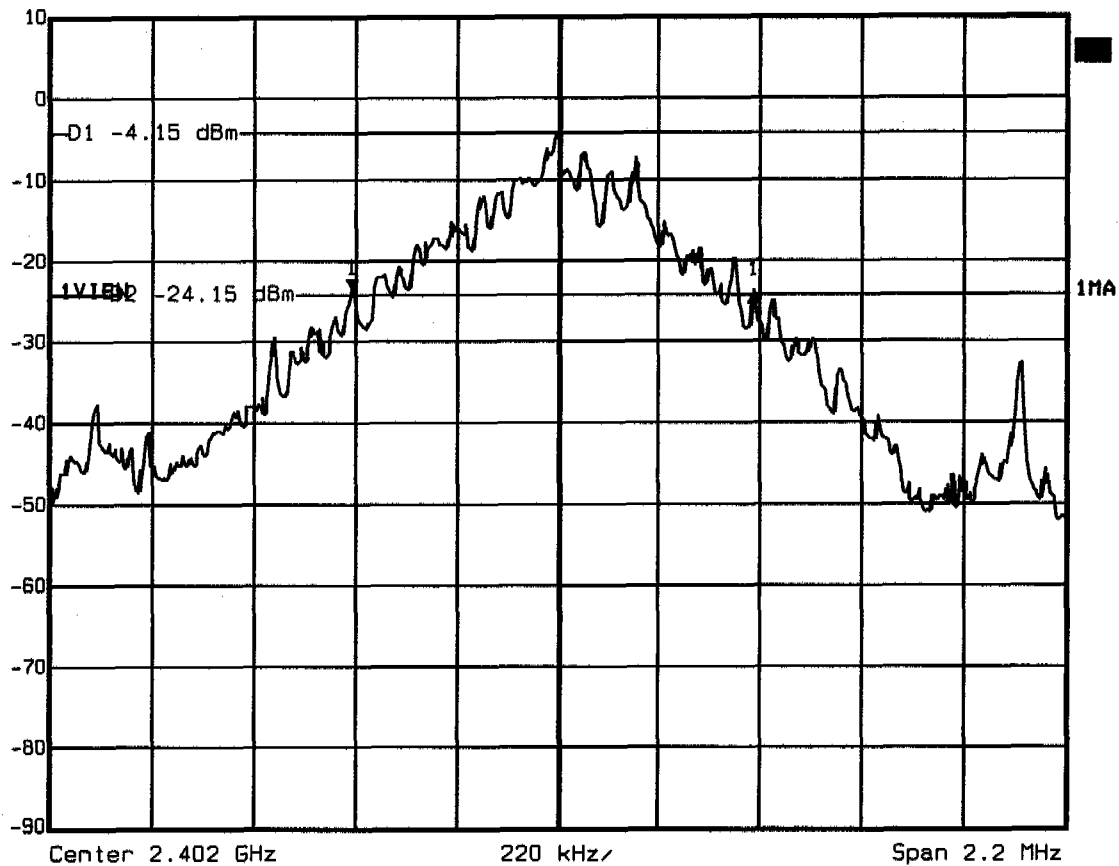
Title: Duty Cycle
Comment A: Bluetooth RS232 Mini Adaptor
Date: 13.AUG.2004 09:01:40

Appendix H

20dB Bandwidth



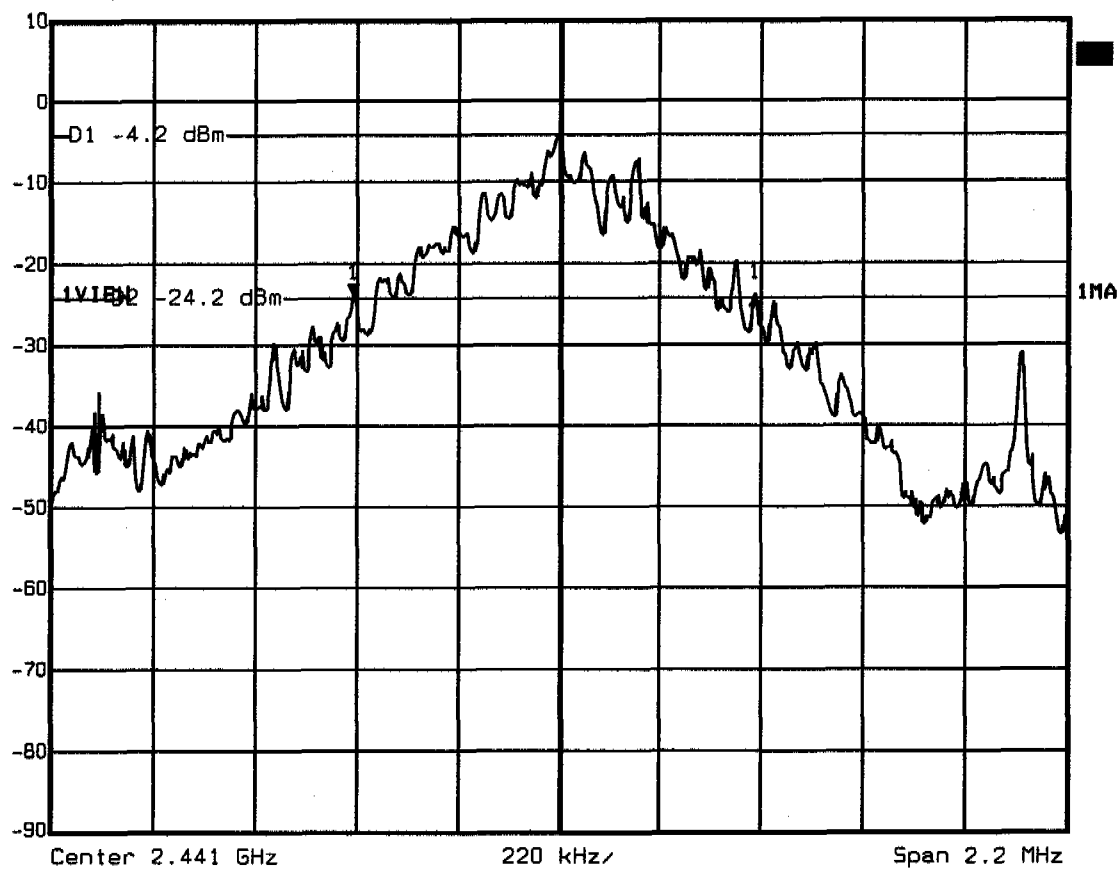
Delta 1 [T1] RBW 10 kHz RF Att 40 dB
Ref Lvl -0.19 dB VBW 10 kHz
10 dBm 872.94589178 kHz SWT 56 ms Unit dBm



Title: -20 dB Bandwidth Ch.: 0
Comment A: Bluetooth RS232 Mini Adaptor
Date: 13.AUG.2004 08:23:19



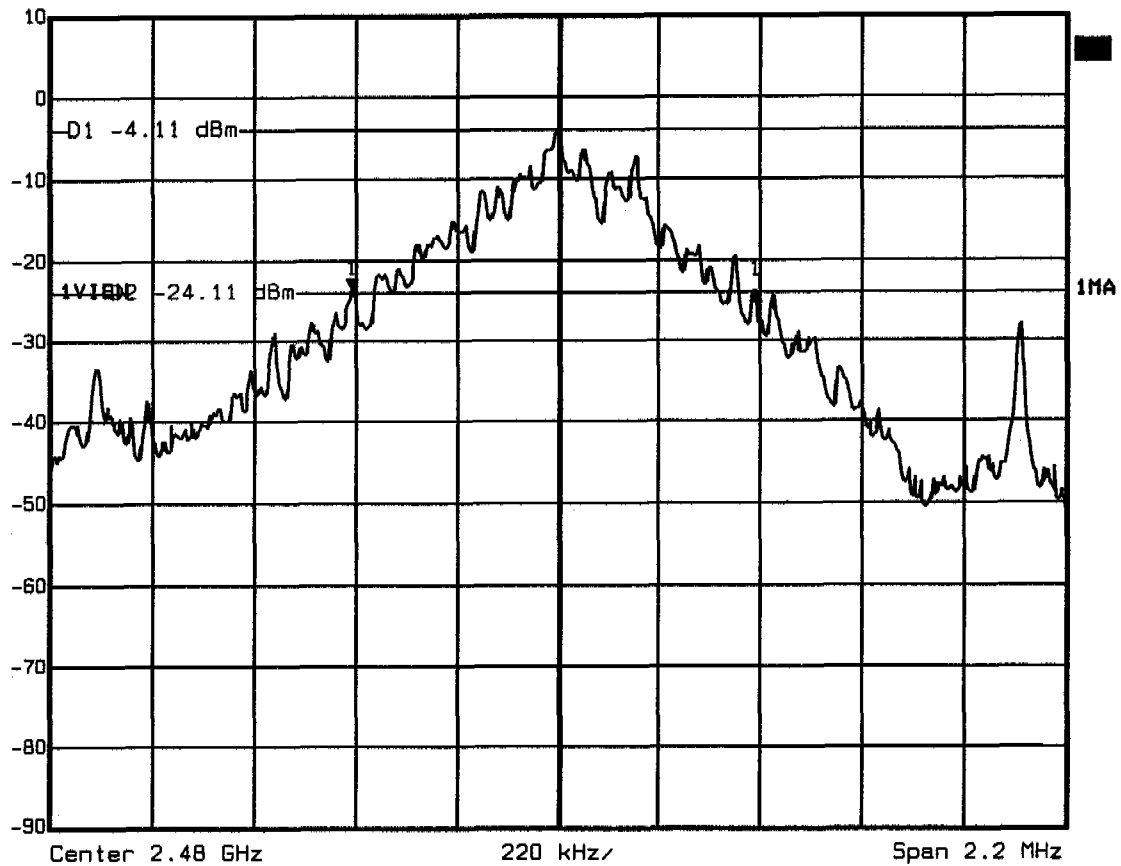
Delta 1 [T1] RBW 10 kHz RF Att 40 dB
Ref Lvl -0.12 dB VBW 10 kHz
10 dBm 872.94589178 kHz SWT 56 ms Unit dBm



Title: -20 dB Bandwidth Ch.: 39
Comment A: Bluetooth RS232 Mini Adaptor
Date: 13.AUG.2004 08:24:43



Delta 1 [T1] RBW 10 kHz RF Att 40 dB
Ref Lvl -0.46 dB VBW 10 kHz
10 dBm 877.35470942 kHz SWT 56 ms Unit dBm



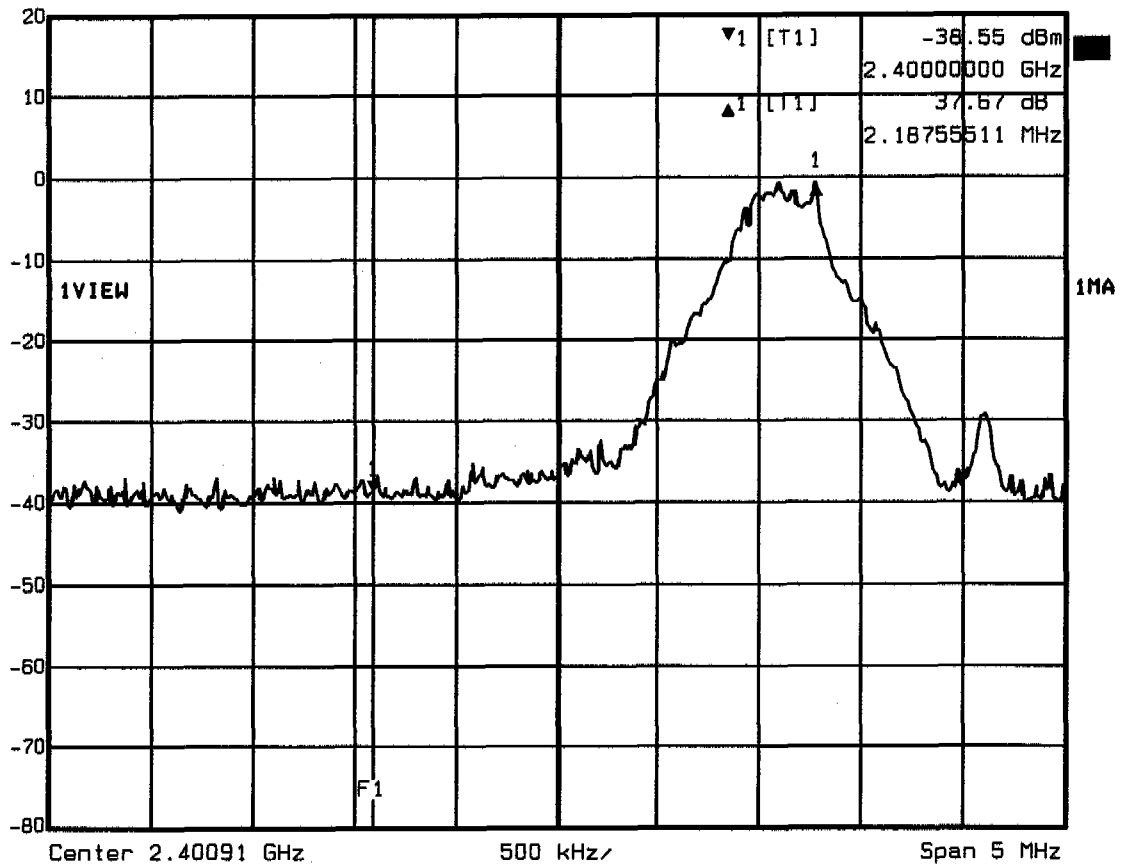
Title: -20 dB Bandwidth Ch.: 78
Comment A: Bluetooth RS232 Mini Adaptor
Date: 13.AUG.2004 08:12:50

Appendix I

Band-edge Compliance of RF Emissions



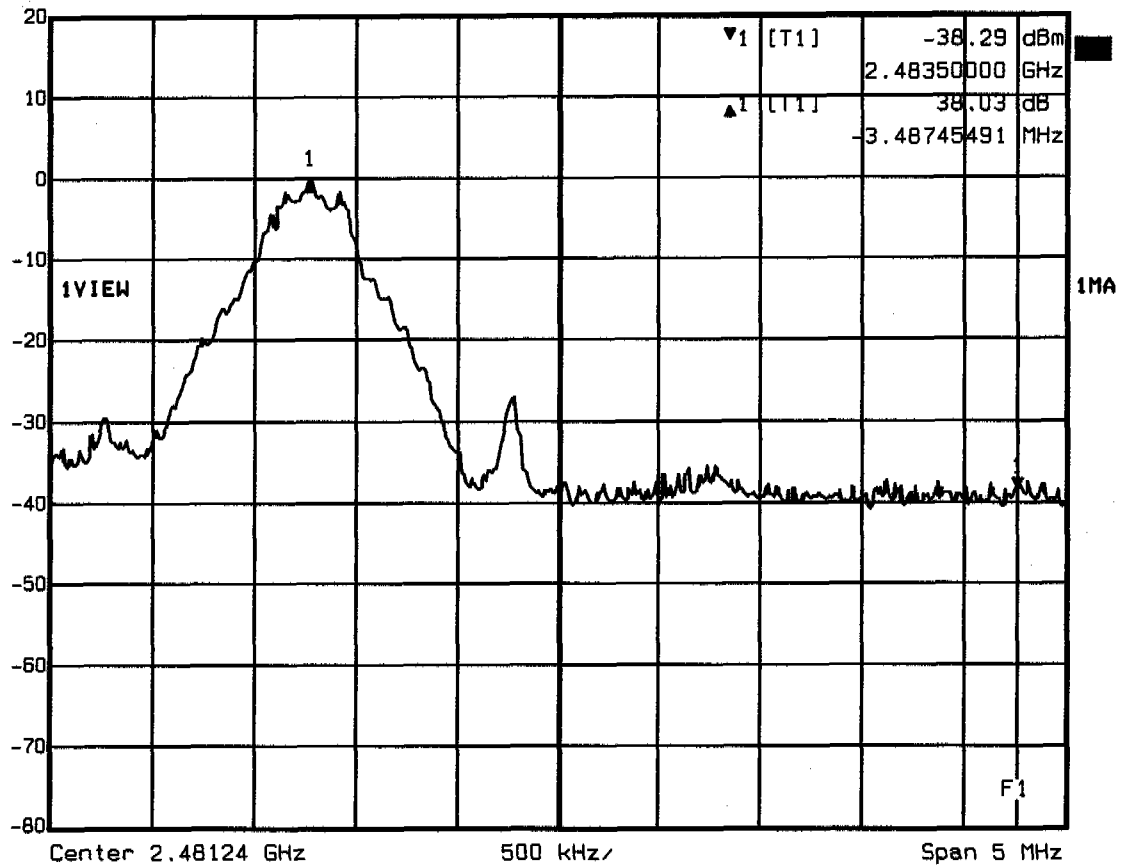
Delta 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl 37.67 dB VBW 50 kHz
20 dBm 2.18755511 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, single frequency)
Comment A: Bluetooth RS232 Mini Adaptor
Date: 13.AUG.2004 08:40:16



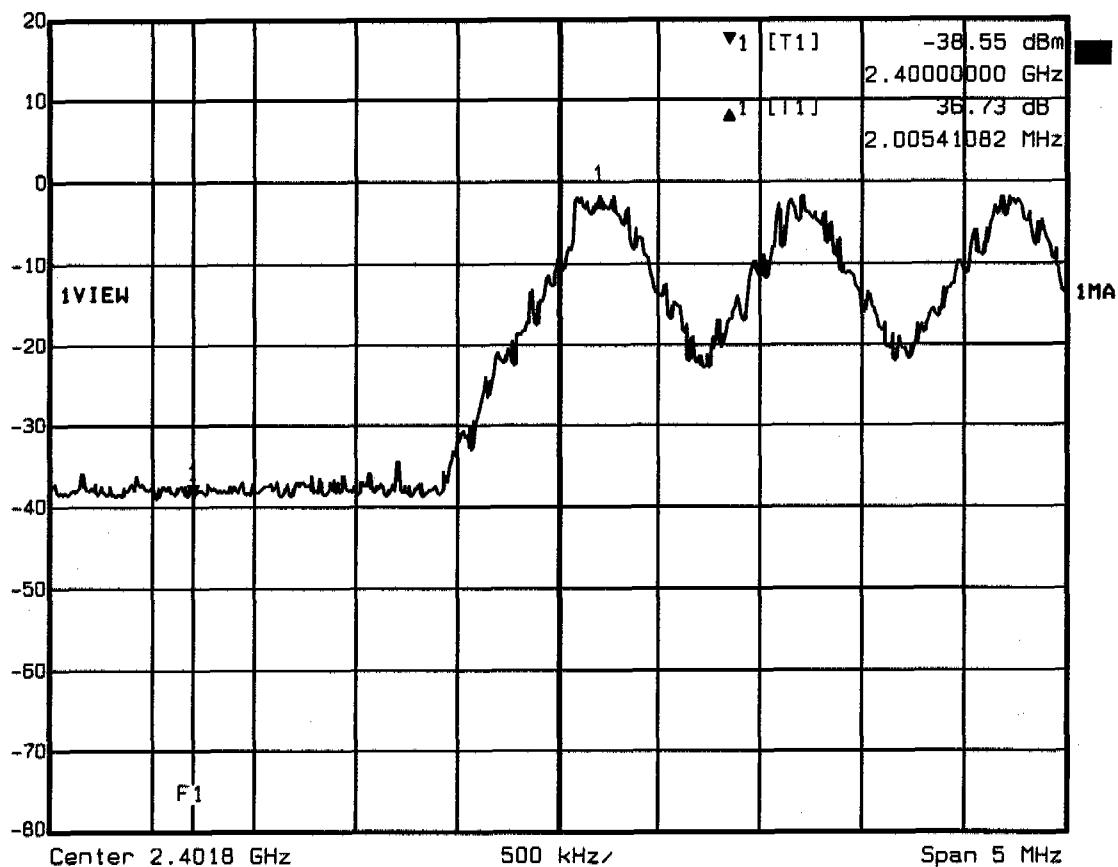
Delta 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl 38.03 dB VBW 50 kHz
20 dBm -3.48745491 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, single frequency)
Comment A: Bluetooth RS232 Mini Adaptor
Date: 13.AUG.2004 08:42:03



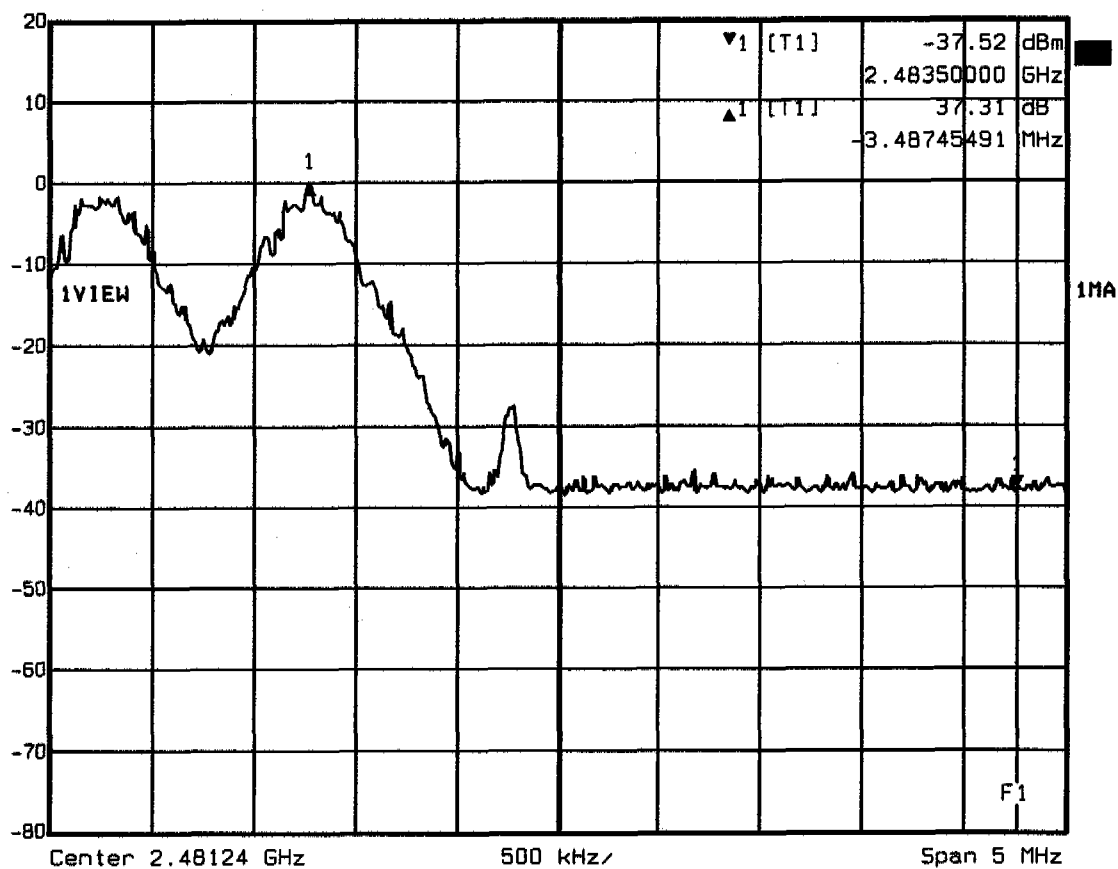
Delta 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl 36.73 dB VBW 50 kHz
20 dBm 2.00541082 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, hopping mode)
Comment A: Bluetooth RS232 Mini Adaptor
Date: 13.AUG.2004 08:55:47



Delta 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl 37.31 dB VBW 50 kHz
20 dBm -3.48745491 MHz SWT 5 ms Unit dBm



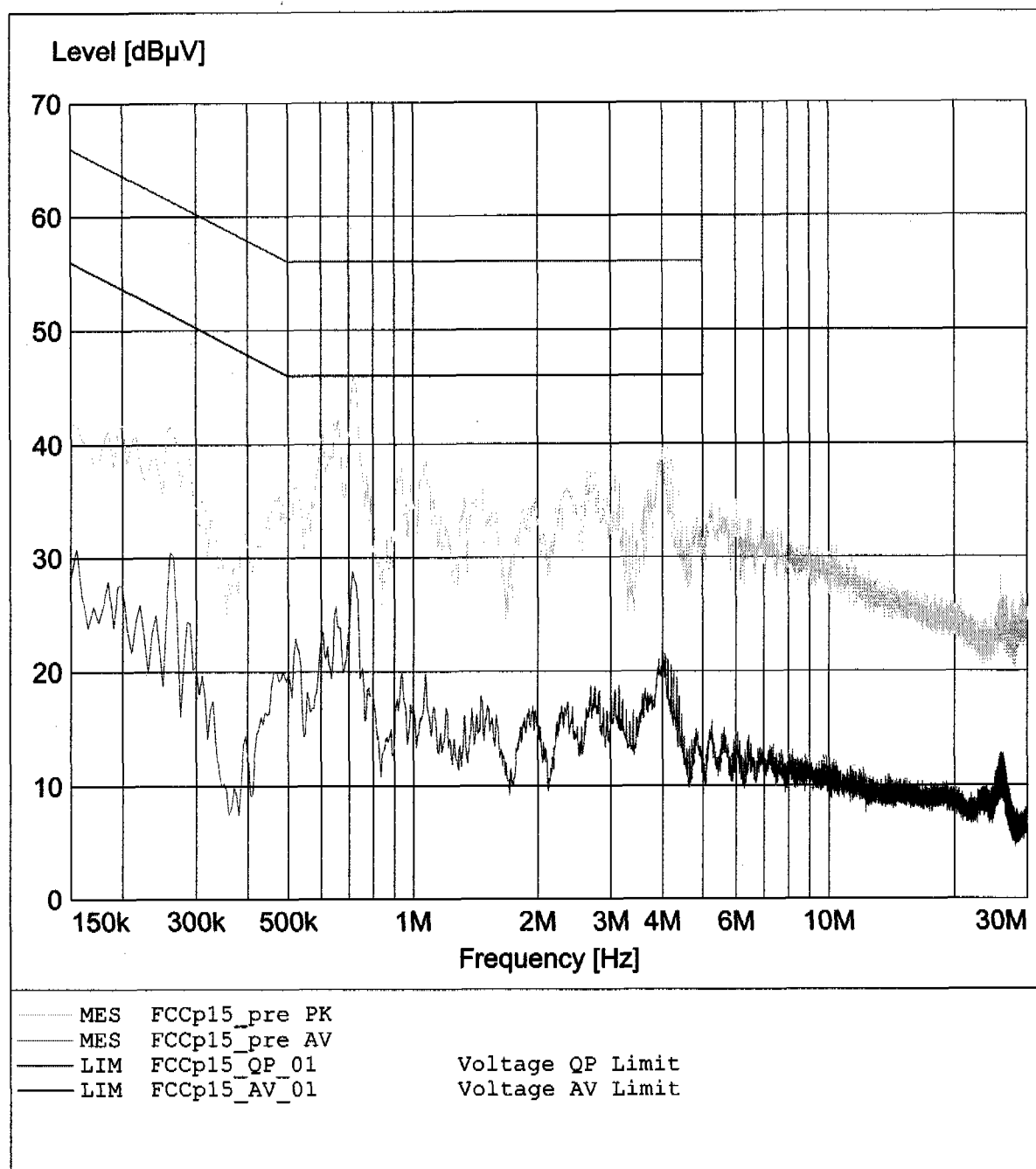
Title: Band-edge Compliance (conducted, hopping mode)
Comment A: Bluetooth RS232 Mini Adaptor
Date: 13.AUG.2004 08:52:25

Appendix J

Conducted Measurement at (AC) Power Line

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

EUT: BLUETOOTH SERIAL ADAPTOR FAMILY
Manufacturer: LINTECH GmbH KOMMUNIKATIONSTECHNOLOGIEN
Operating Condition: Unom: 120 V AC, Tnom: 23°C
Test Site: ETS
Operator: Mr. Pflug
Test Specification: V-Network: ESH2-Z5 (L1)
Comment: model: 1409###/1408### mode: LINK AND CHARGING
ADAPTOR: APS1612T



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

EUT: BLUETOOTH SERIAL ADAPTOR FAMILY
Manufacturer: LINTECH GmbH KOMMUNIKATIONSTECHNOLOGIEN
Operating Condition: Unom: 120 V AC, Tnom: 23°C
Test Site: ETS
Operator: Mr. Pflug
Test Specification: V-Network: ESH2-Z5 (N)
Comment: model: 1409###/1408### mode: LINK AND CHARGING
ADAPTOR: APS1612T

