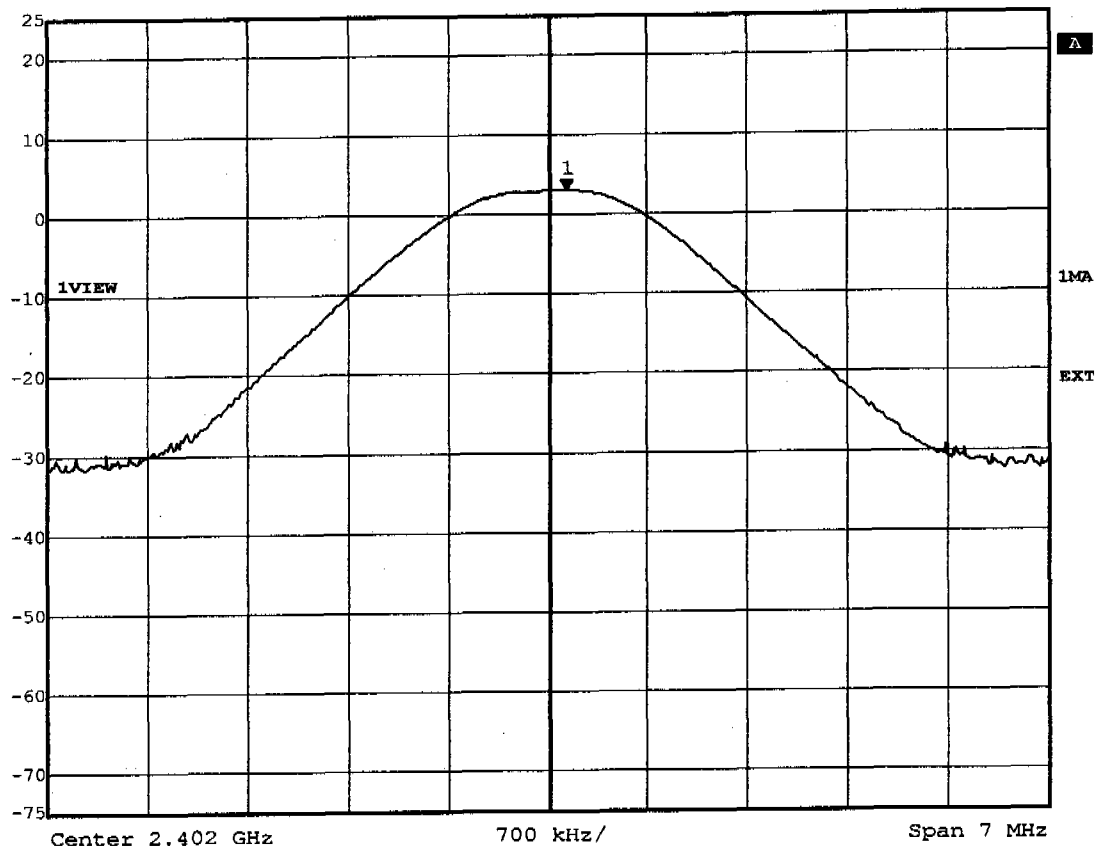


Appendix B

Peak Output Power



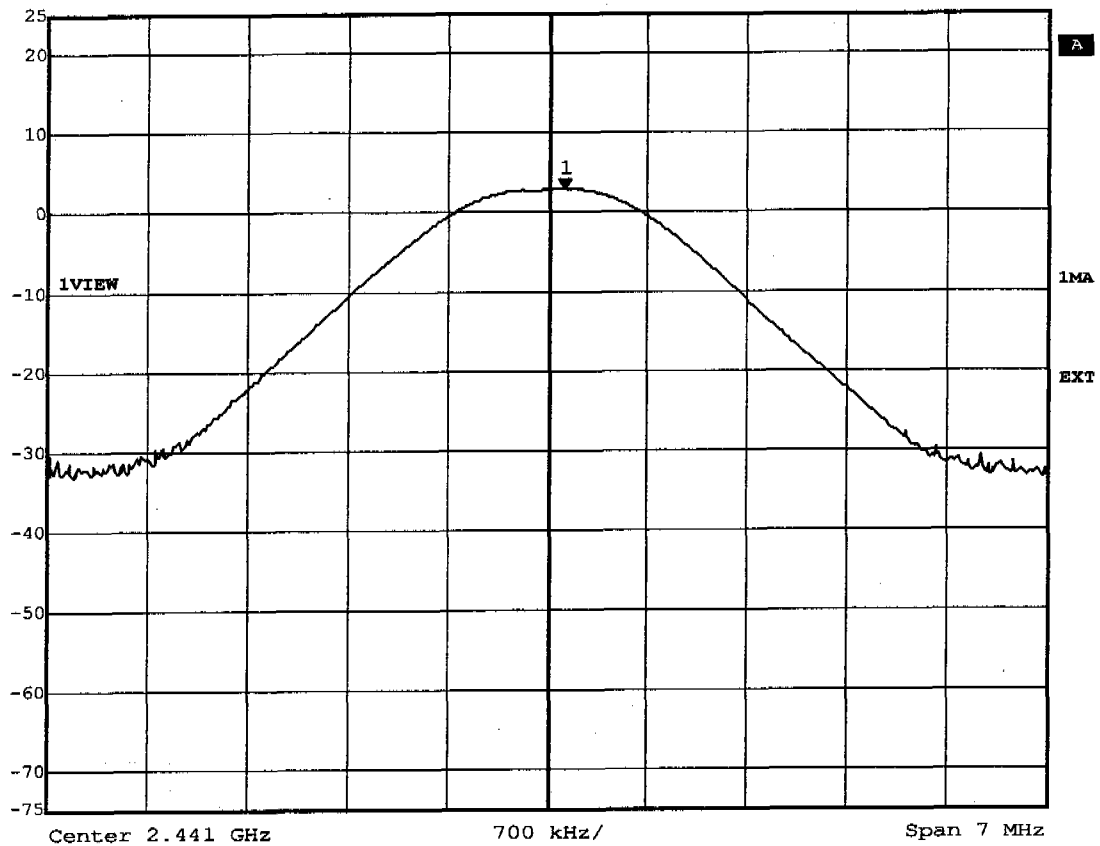
Marker 1 [T1] RBW 1 MHz RF Att 50 dB
Ref Lvl 2.89 dBm VBW 1 MHz
25 dBm 2.40213327 GHz SWT 5 ms Unit dBm



Title: Peak Output Power conducted Ch.: 0
Comment A: GN Netcom Bluetooth Headset Jabra FREESPEAK 250
Date: 7.AUG.2003 10:26:09



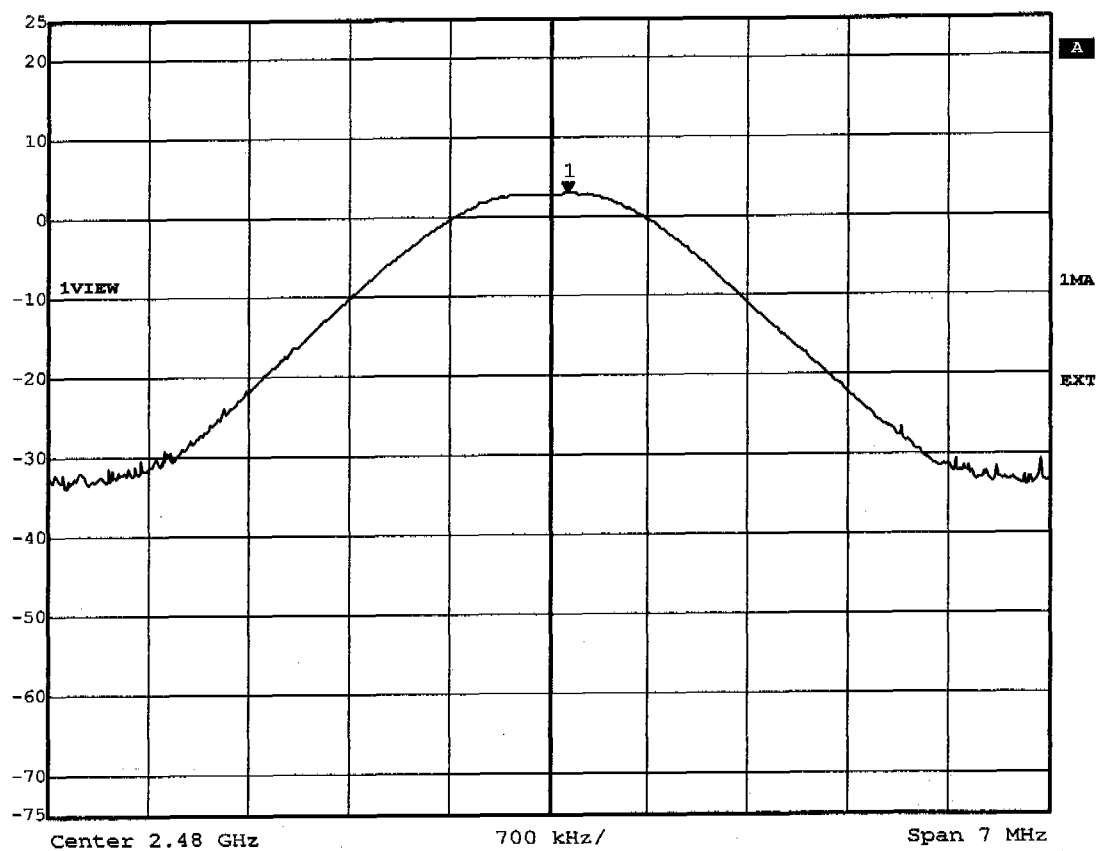
Marker 1 [T1] RBW 1 MHz RF Att 50 dB
Ref Lvl 2.66 dBm VBW 1 MHz
25 dBm 2.44111924 GHz SWT 5 ms Unit dBm



Title: Peak Output Power conducted Ch.: 39
Comment A: GN Netcom Bluetooth Headset Jabra FREESPEAK 250
Date: 7.AUG.2003 10:27:32



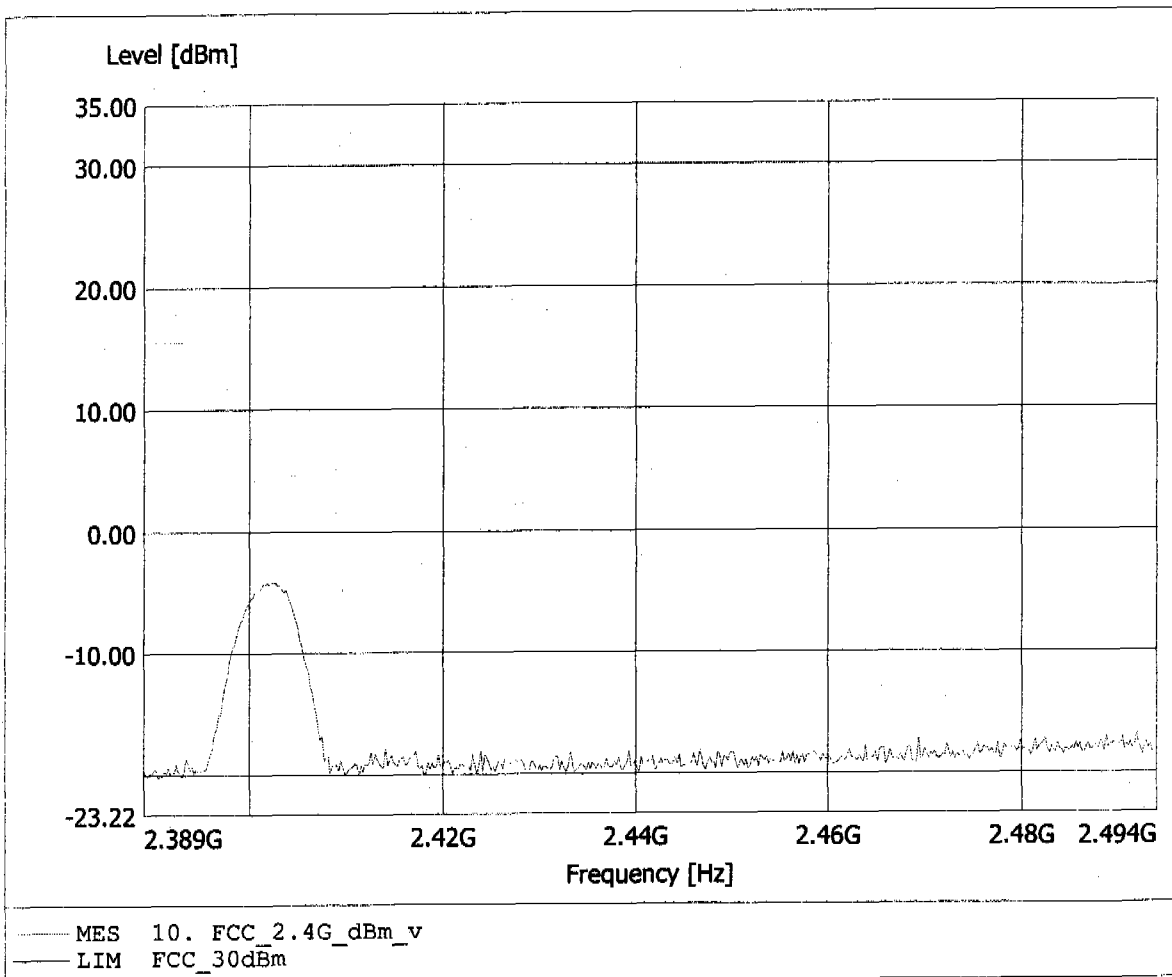
Marker 1 [T1] RBW 1 MHz RF Att 50 dB
Ref Lvl 2.85 dBm VBW 1 MHz
25 dBm 2.48013327 GHz SWT 5 ms Unit dBm



Center 2.48 GHz 700 kHz/ Span 7 MHz
Title: Peak Output Power conducted Ch.: 78
Comment A: GN Netcom Bluetooth Headset Jabra FREESPEAK 250
Date: 7.AUG.2003 10:29:11

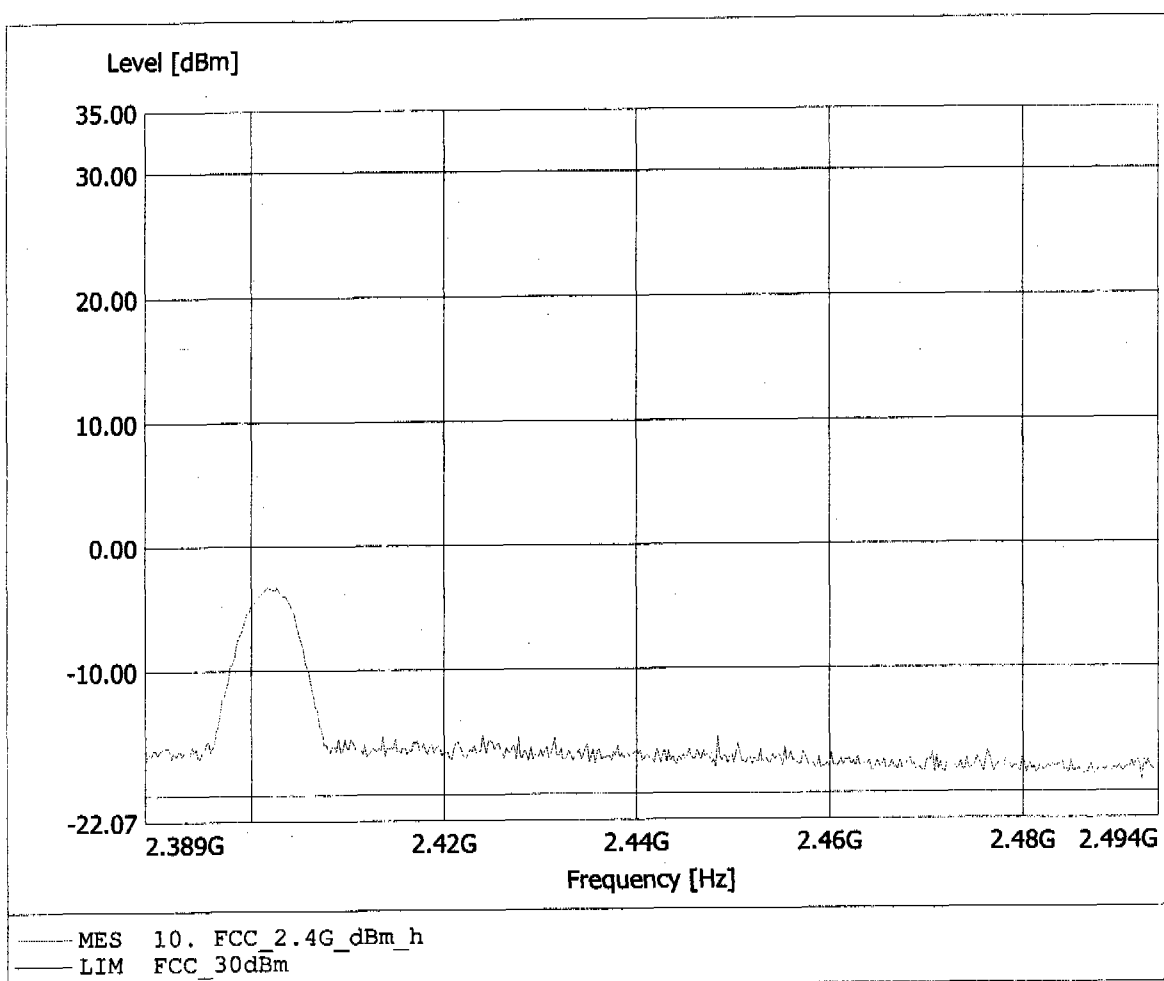
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2402 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.403GHz, Pmax: -4.15dBm, RBW: 5MHz



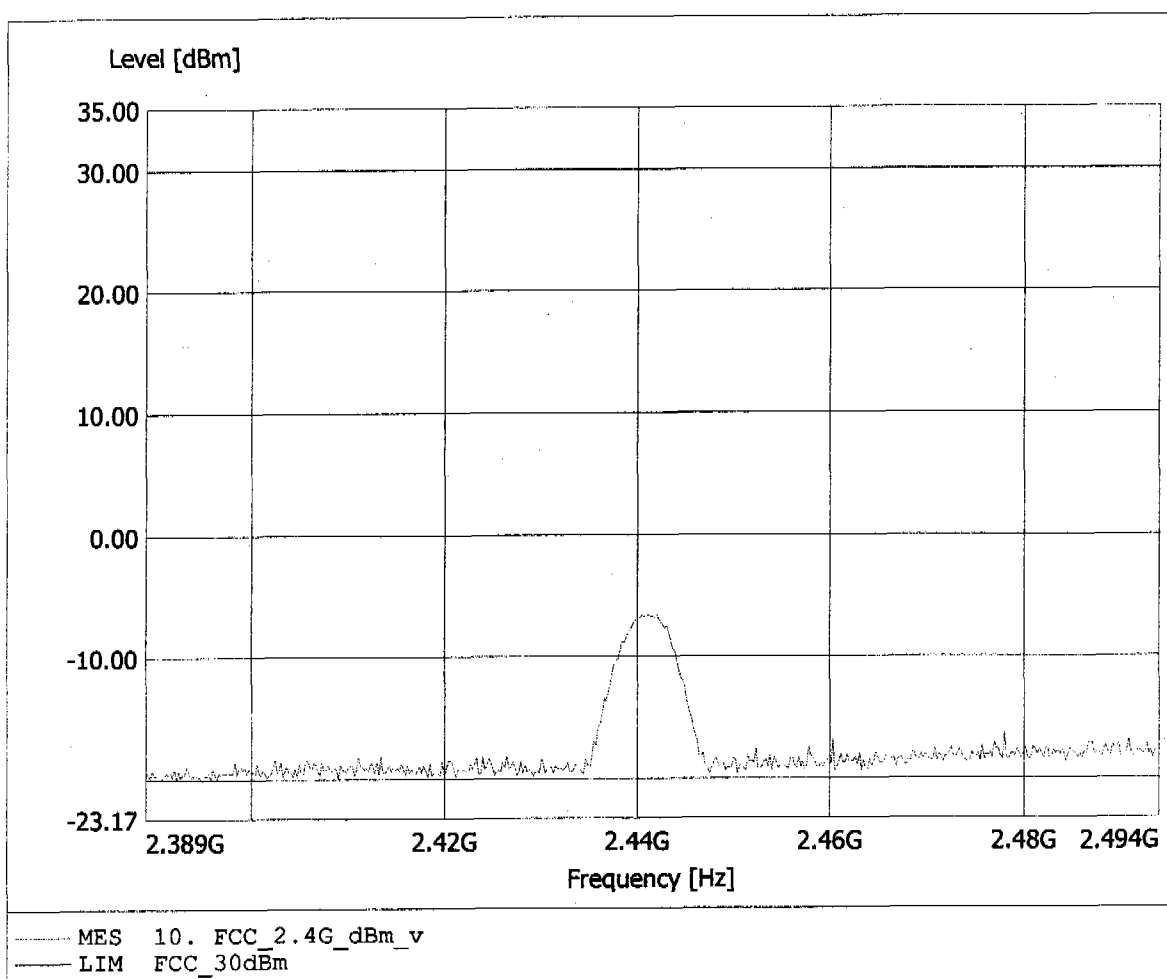
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2402 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.402GHz, Pmax: -3.27dBm, RBW: 5MHz



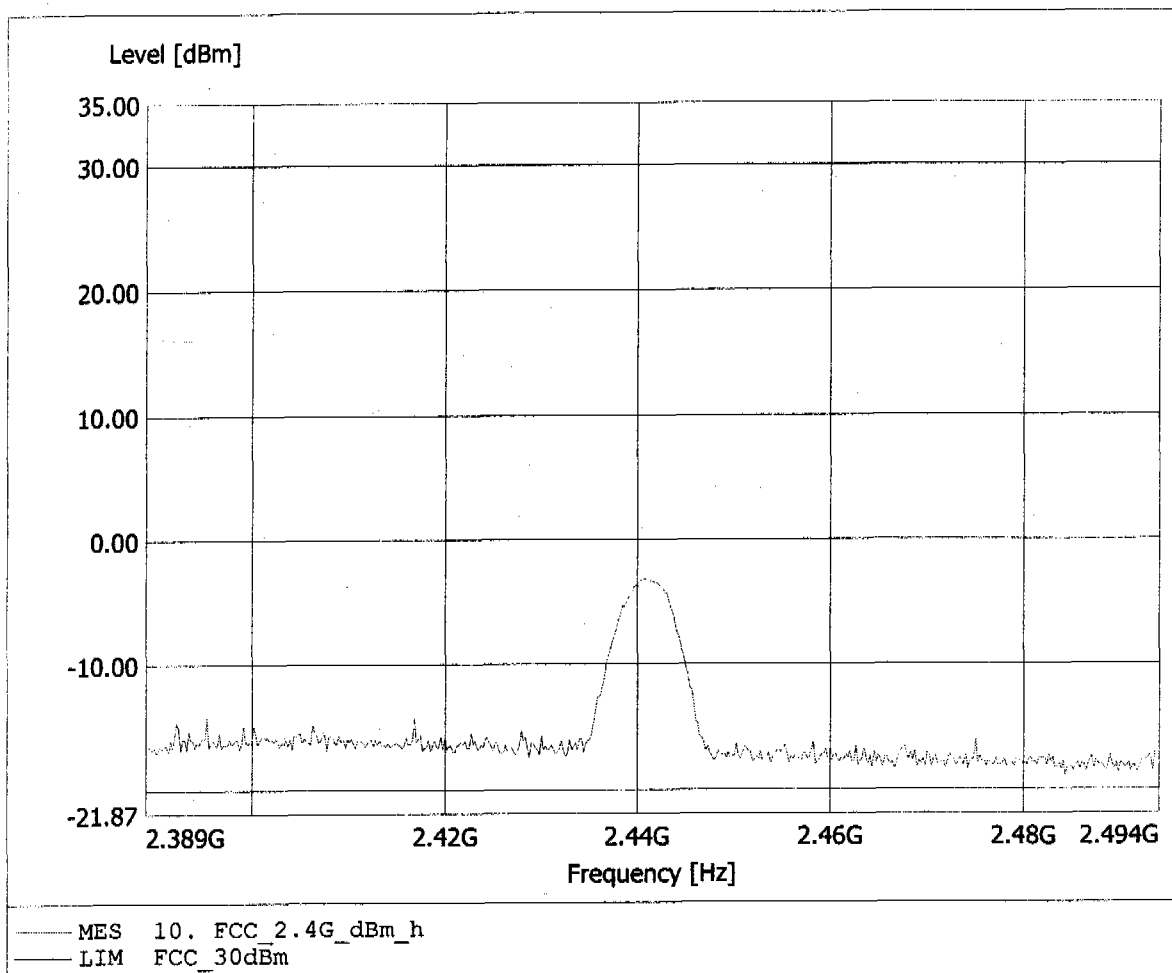
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2441 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Pmax: -6.42dBm, RBW: 5MHz



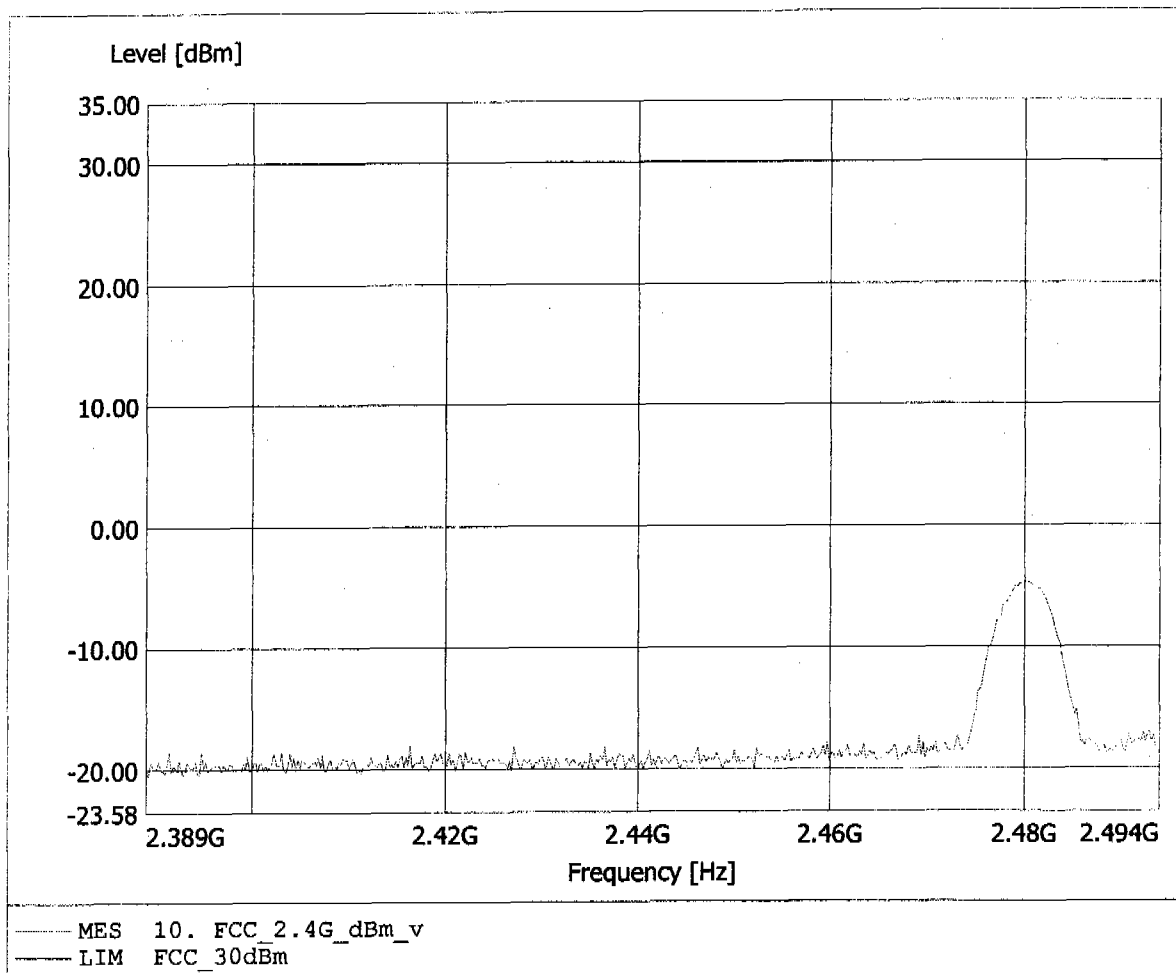
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2441 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.441GHz, Pmax: -3.19dBm, RBW: 5MHz



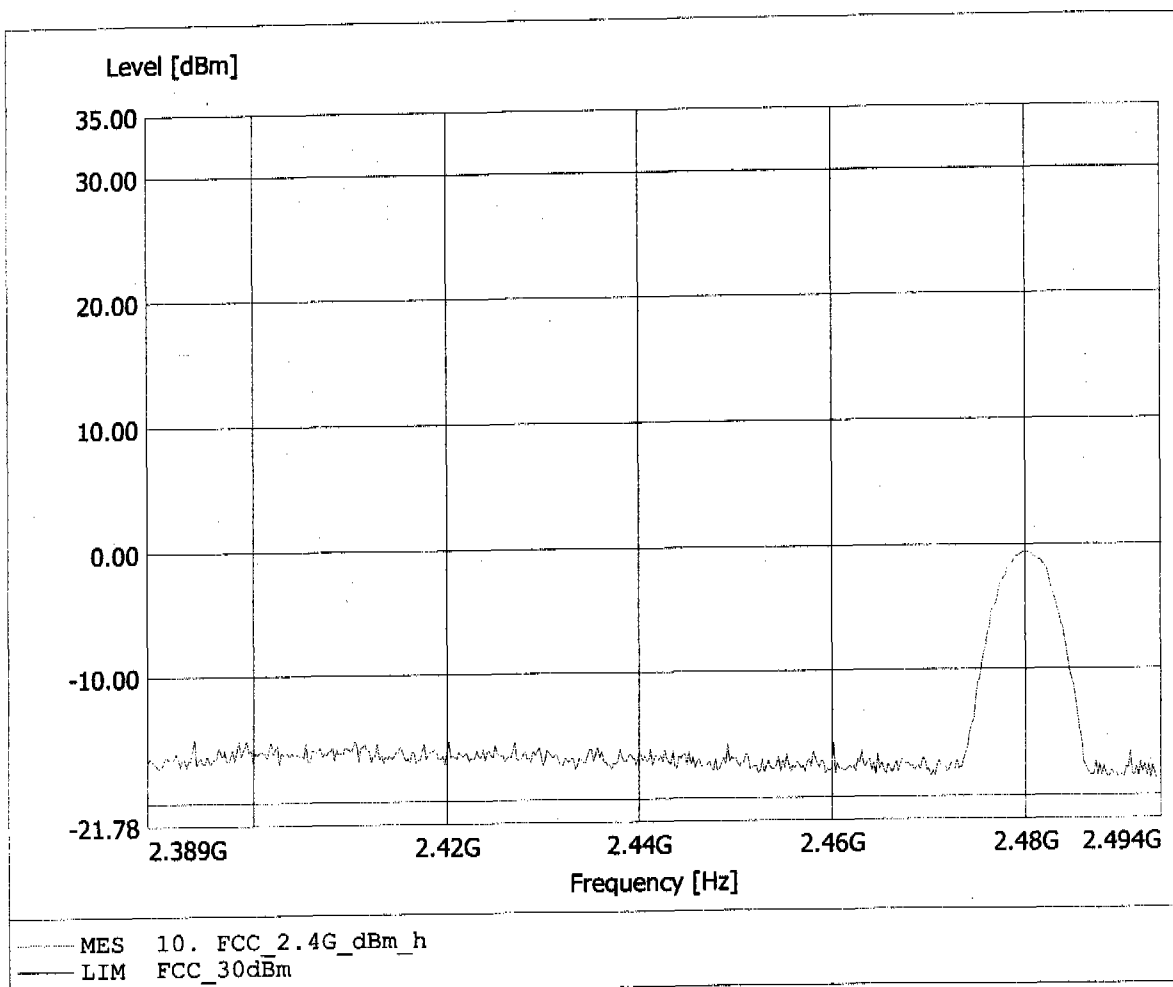
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2480 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Pmax: -4.62dBm, RBW: 5MHz



Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2480 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Pmax: -0.58dBm, RBW: 5MHz

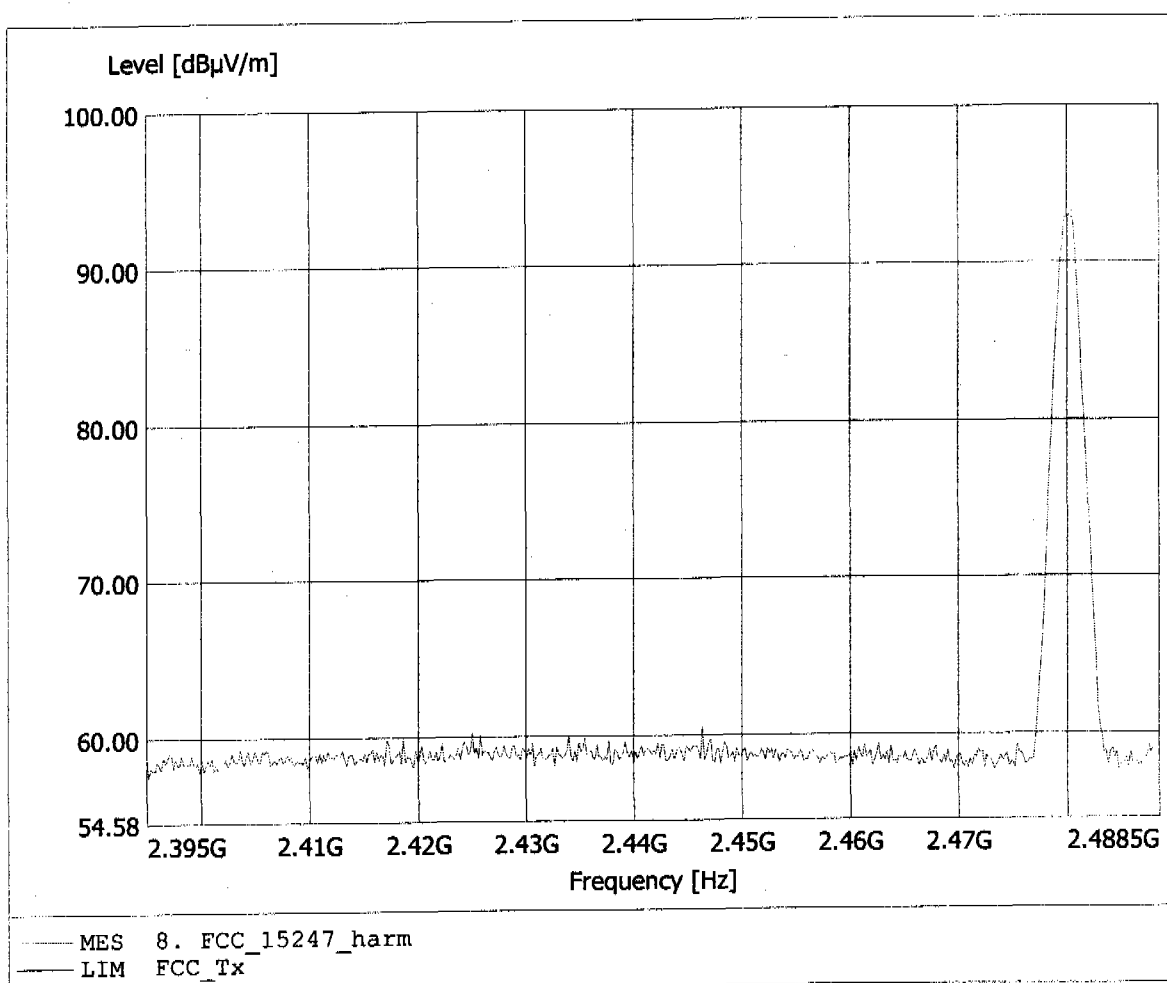


Appendix C

Spurious Emissions radiated - Transmitter operating

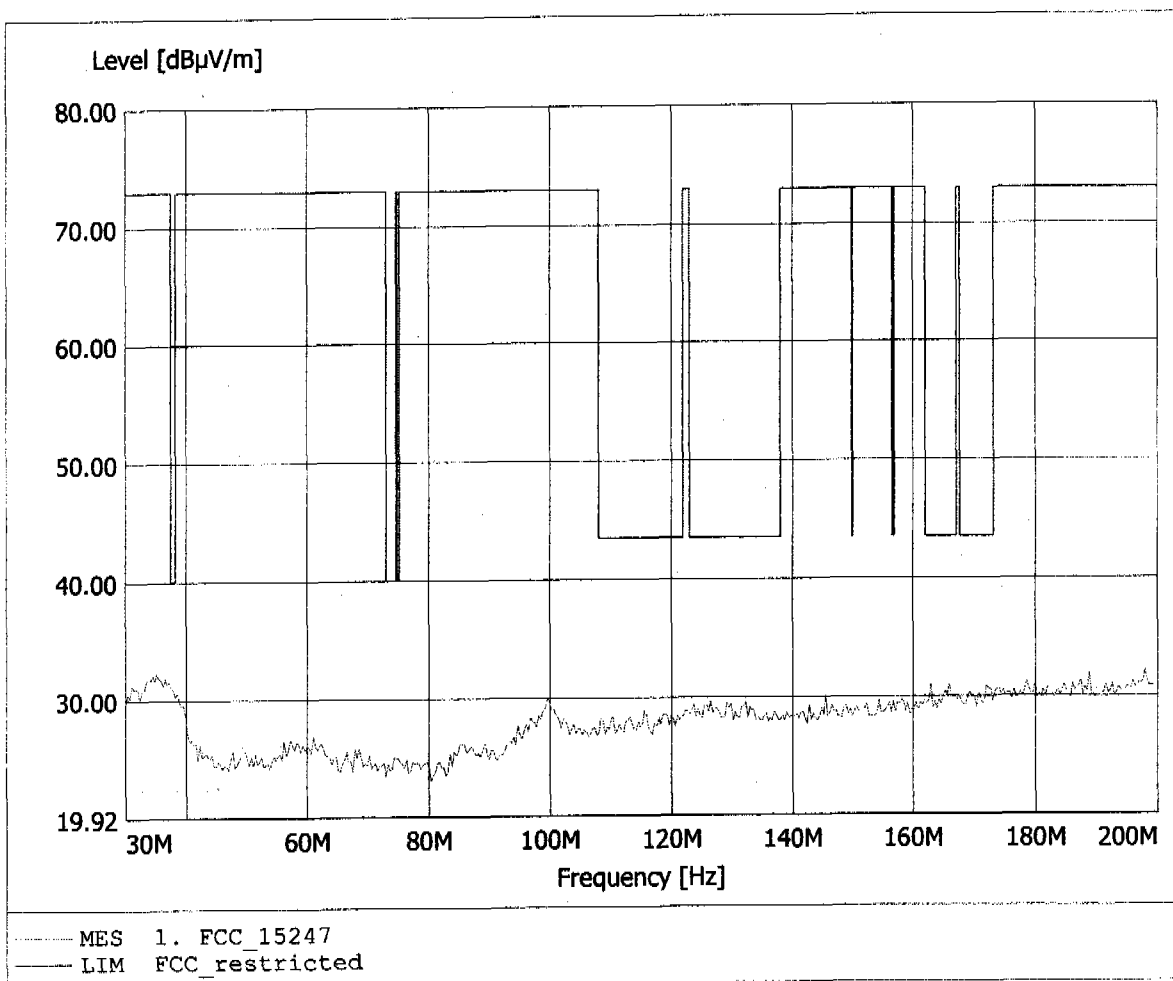
Carrier power (Field Strength)
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Fmax / 2480 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.480GHz, Emax: 92.97dBµV/m, RBW: 1MHz



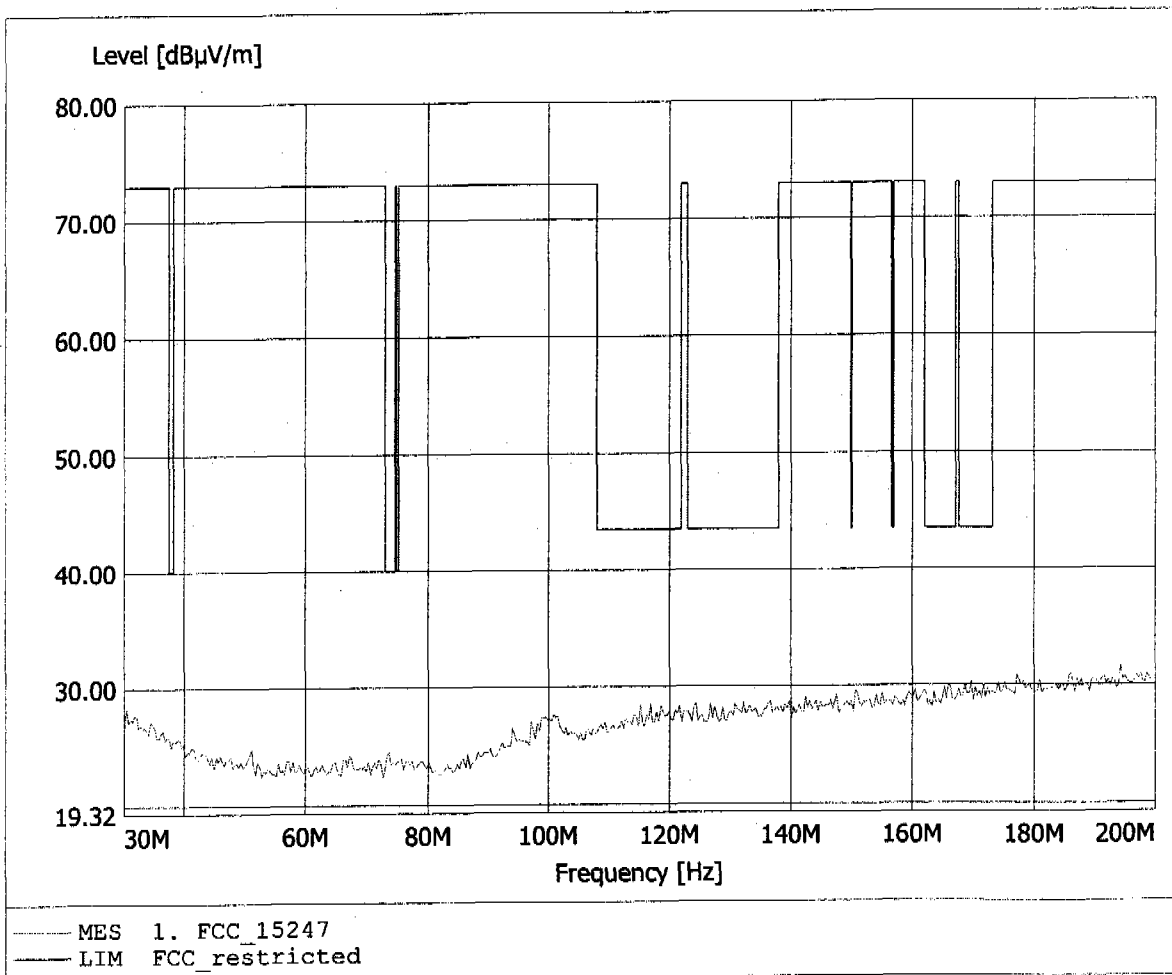
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2402 MHz
 Model: Jabra FREESPEAK 250
 Approval Holder: GN Netcom
 Operating Condition: Tnom: 23°C / Unom: 3.6V DC
 Test Site / Operator: ETS / Mr. Handrik
 Test Specification: according to §15.247
 Comment 1: Dist.: 3m, Ant.: HK 116
 Comment 2: Freq: 35.110MHz, Emax: 32.28dBμV/m, RBW: 100kHz



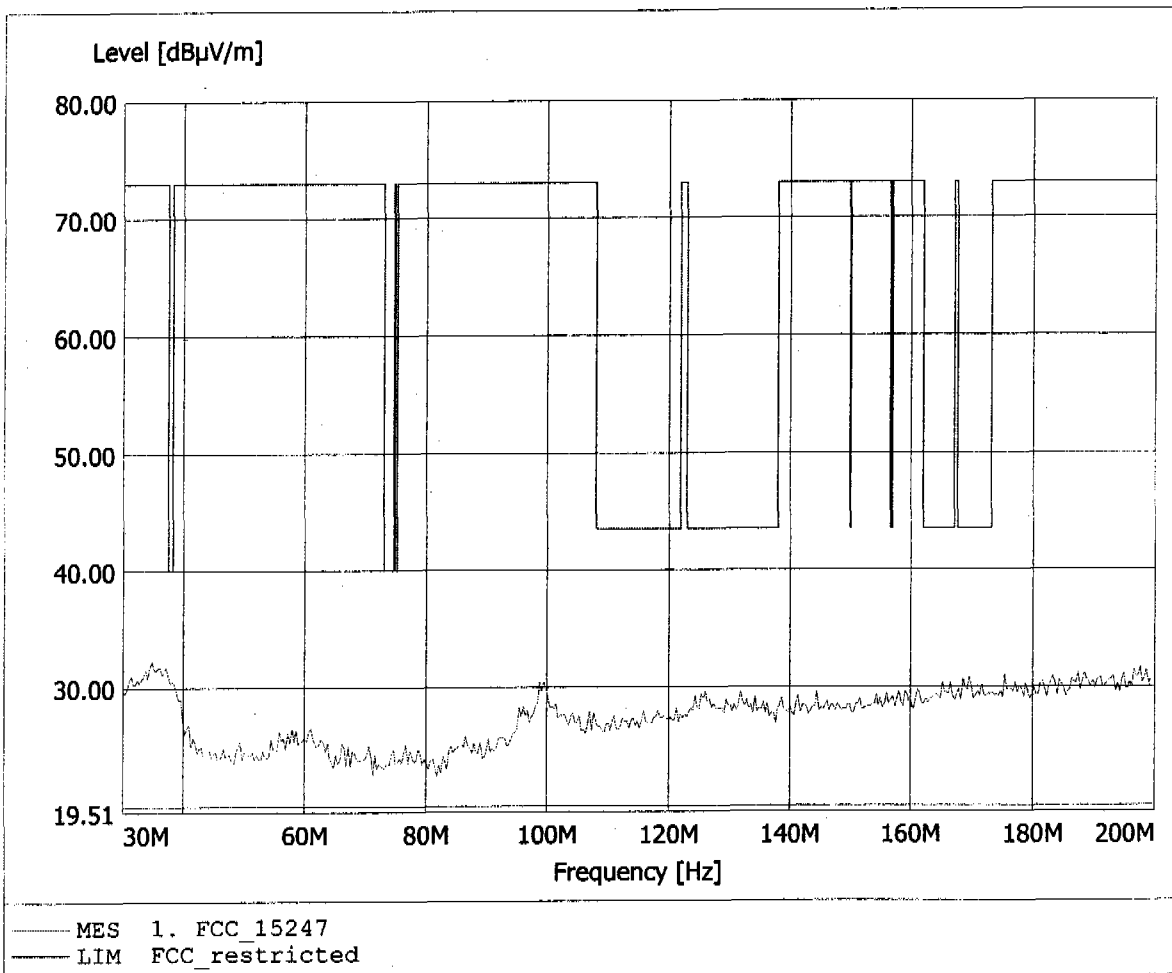
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2402 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 194.208MHz, Emax: 31.69dBμV/m, RBW: 100kHz



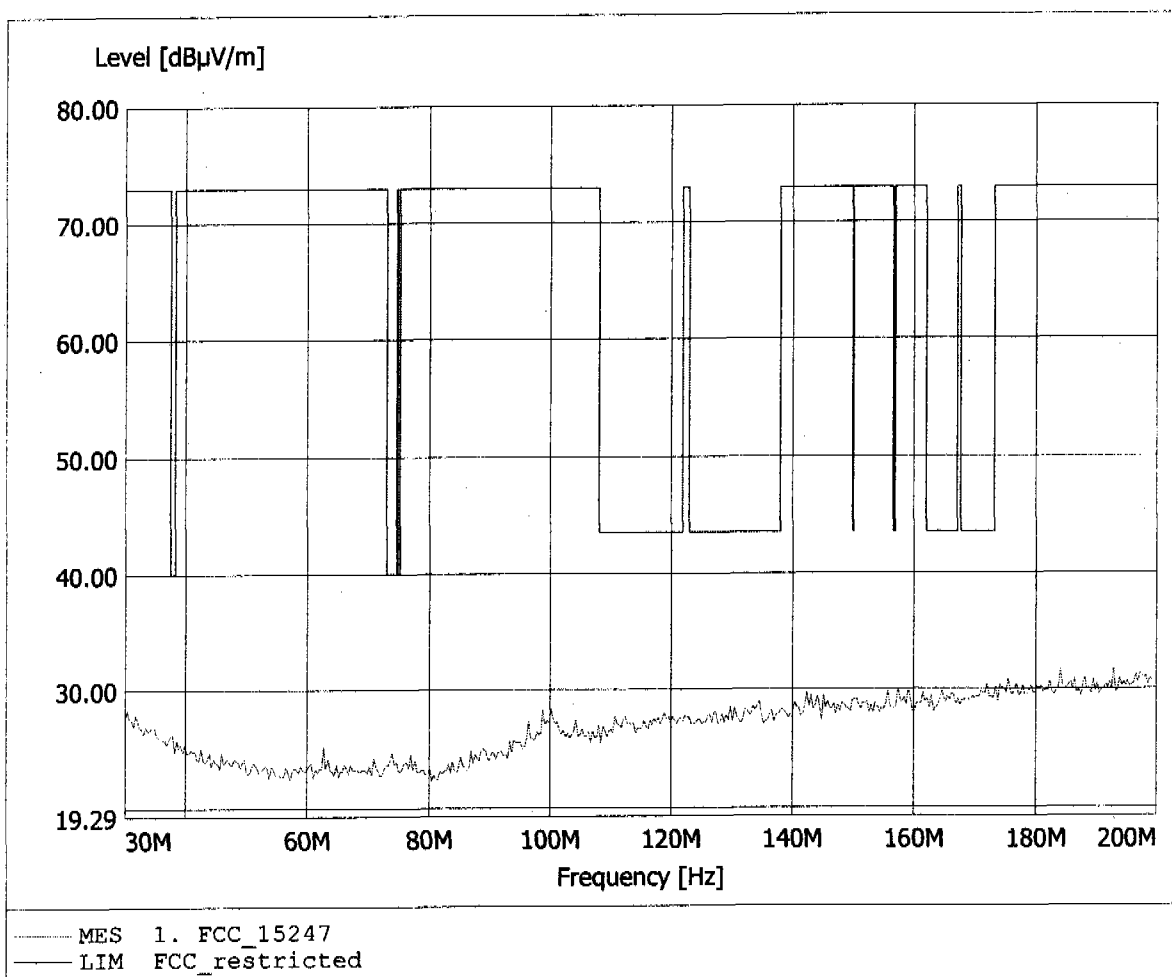
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2441 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 34.770MHz, Emax: 32.19dBμV/m, RBW: 100kHz



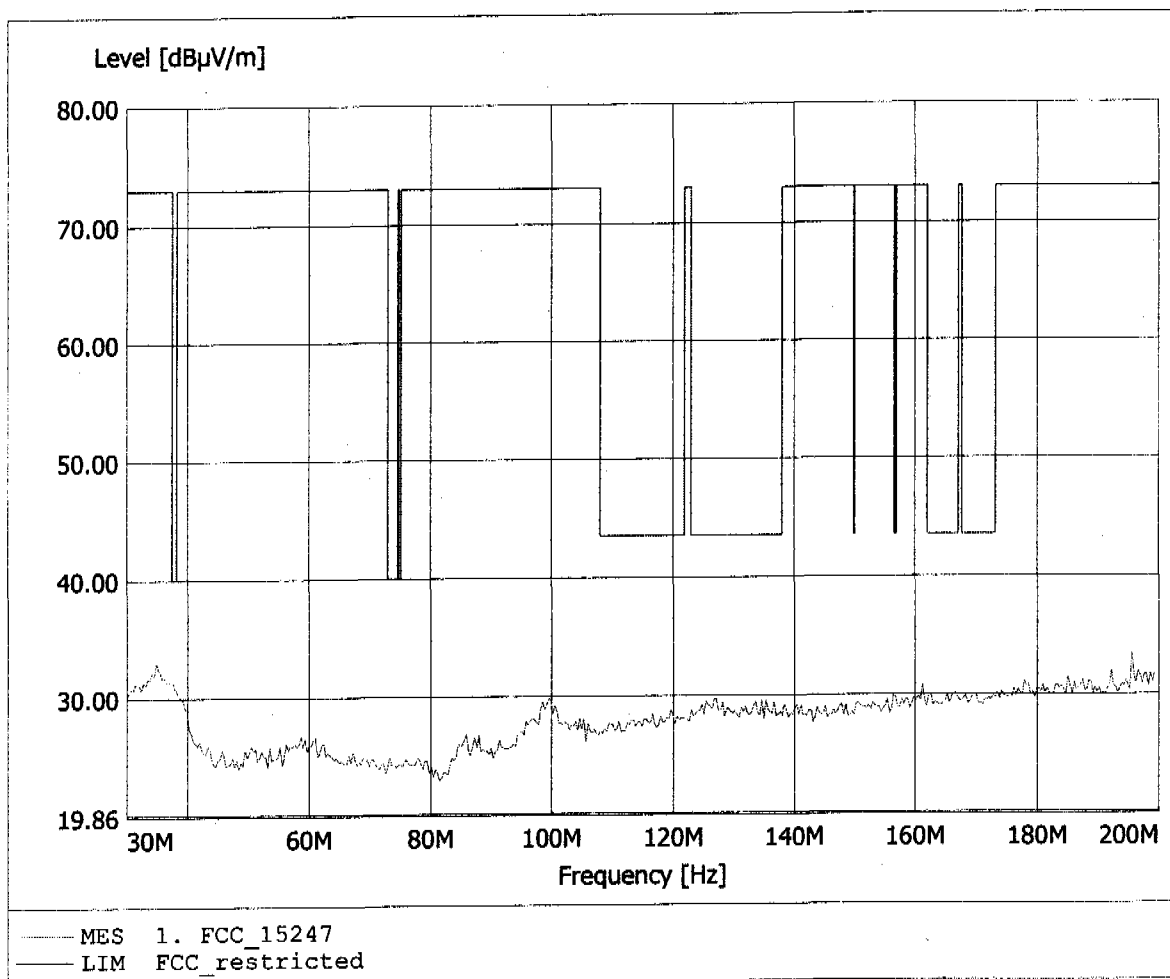
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2441 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 192.846MHz, Emax: 31.72dBµV/m, RBW: 100kHz



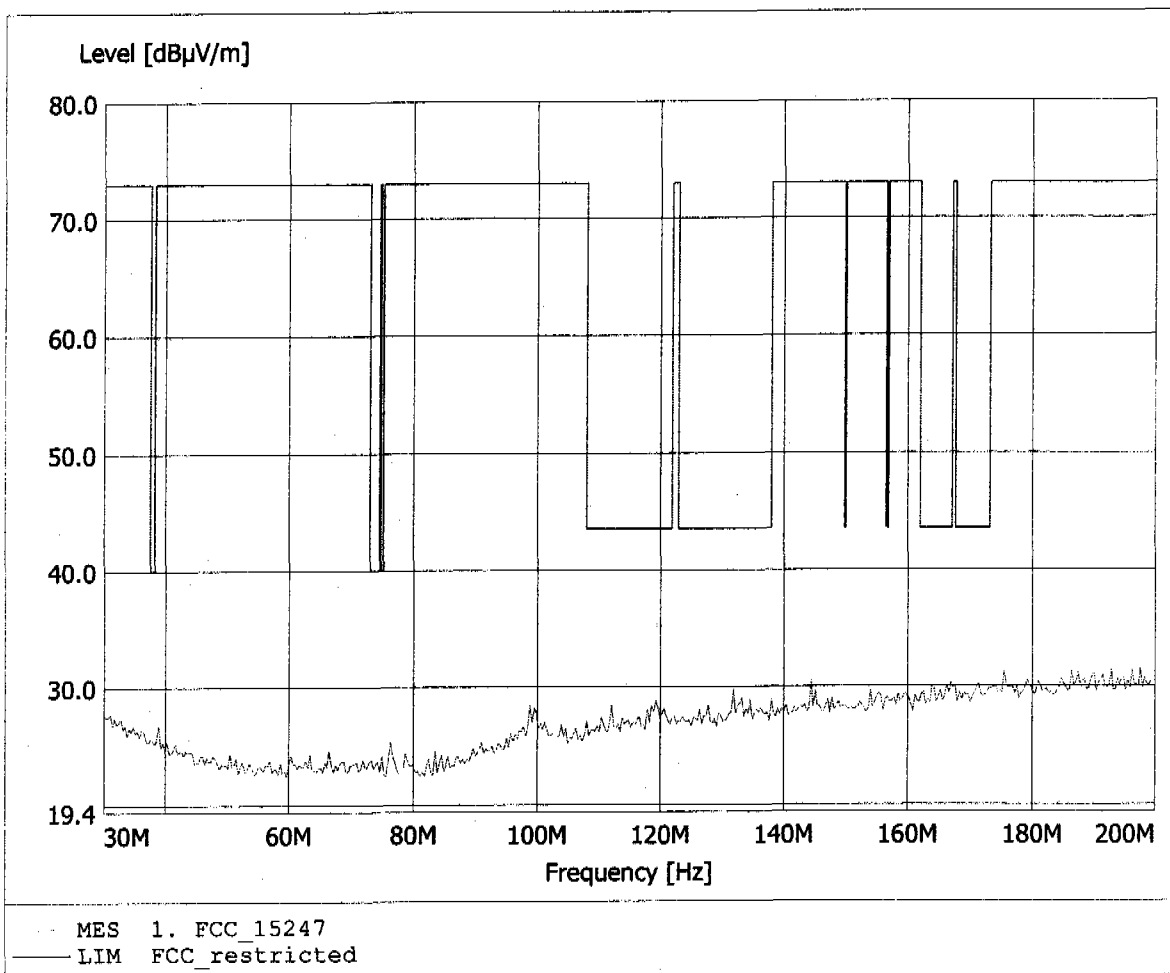
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2480 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 195.571MHz, Emax: 33.52dBµV/m, RBW: 100kHz



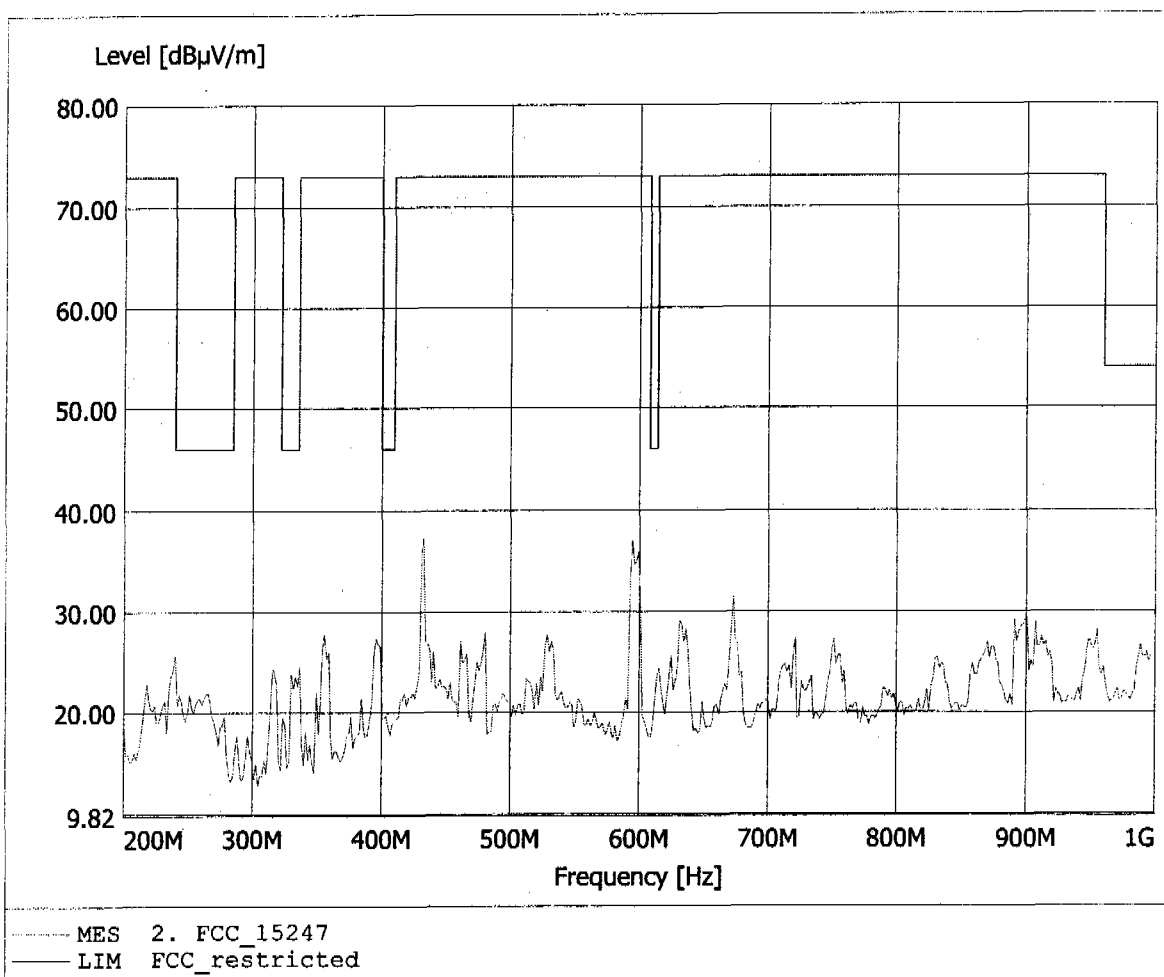
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2480 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 192.846MHz, Emax: 31.54dBµV/m, RBW: 100kHz



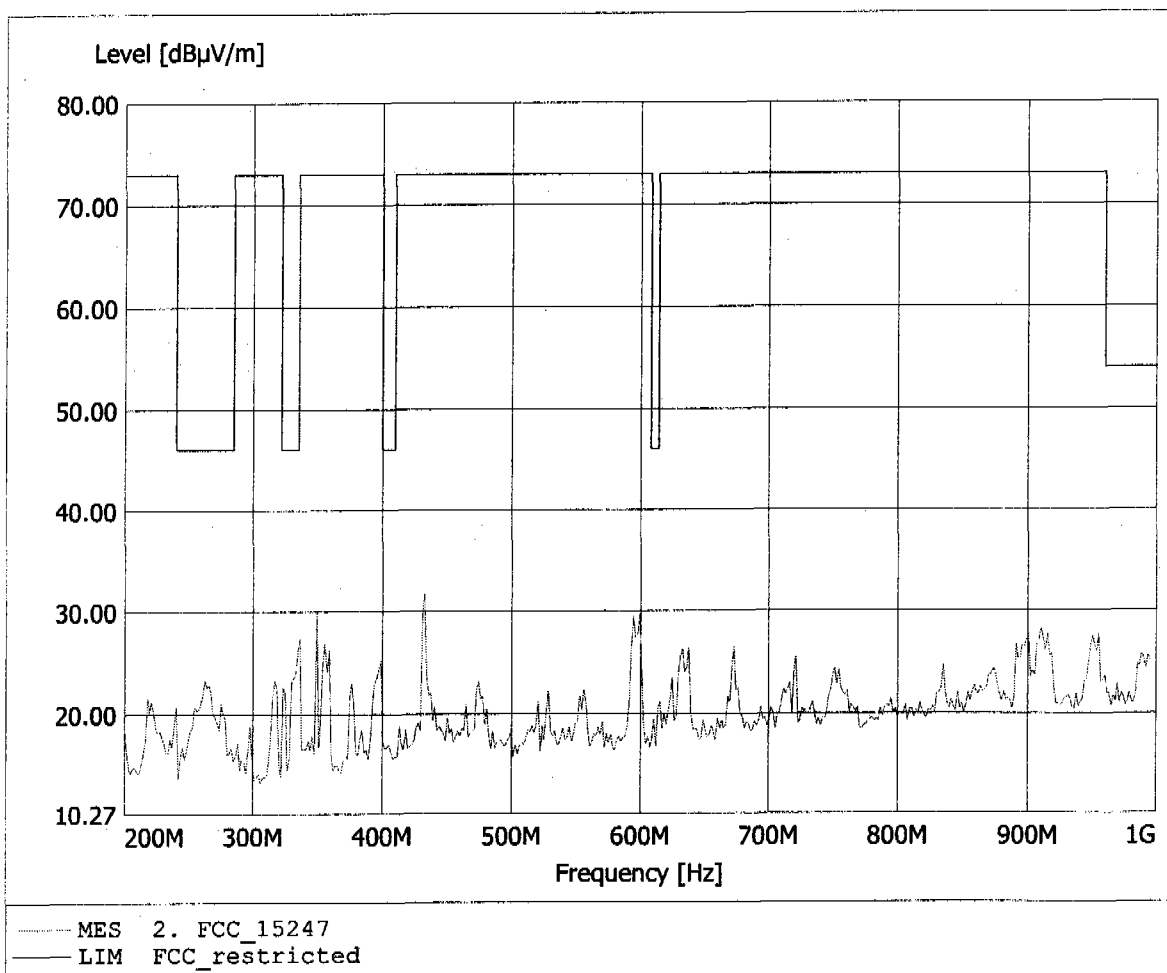
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2402 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 432.465MHz, Emax: 37.32dBµV/m, RBW: 100kHz



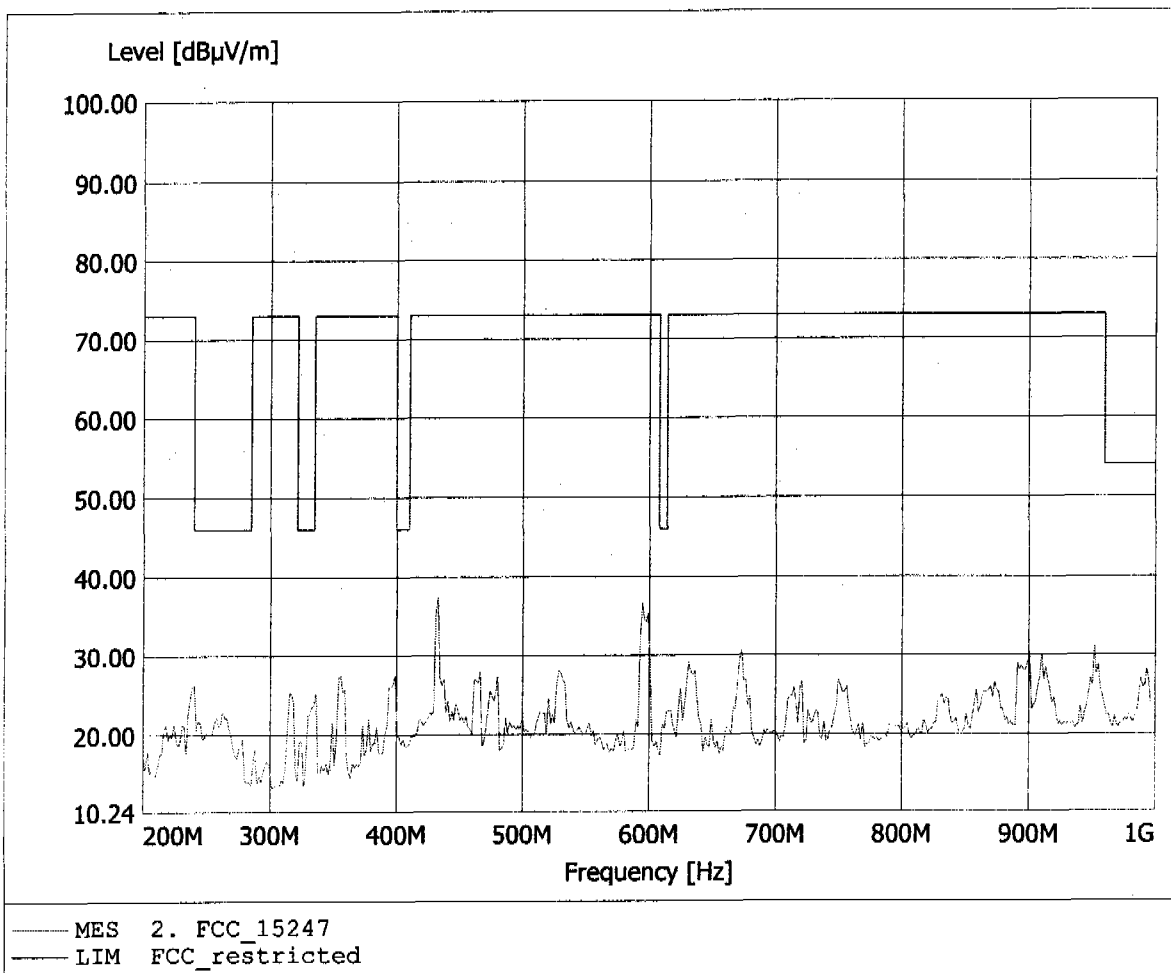
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2402 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Thom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 432.465MHz, Emax: 31.83dBμV/m, RBW: 100kHz



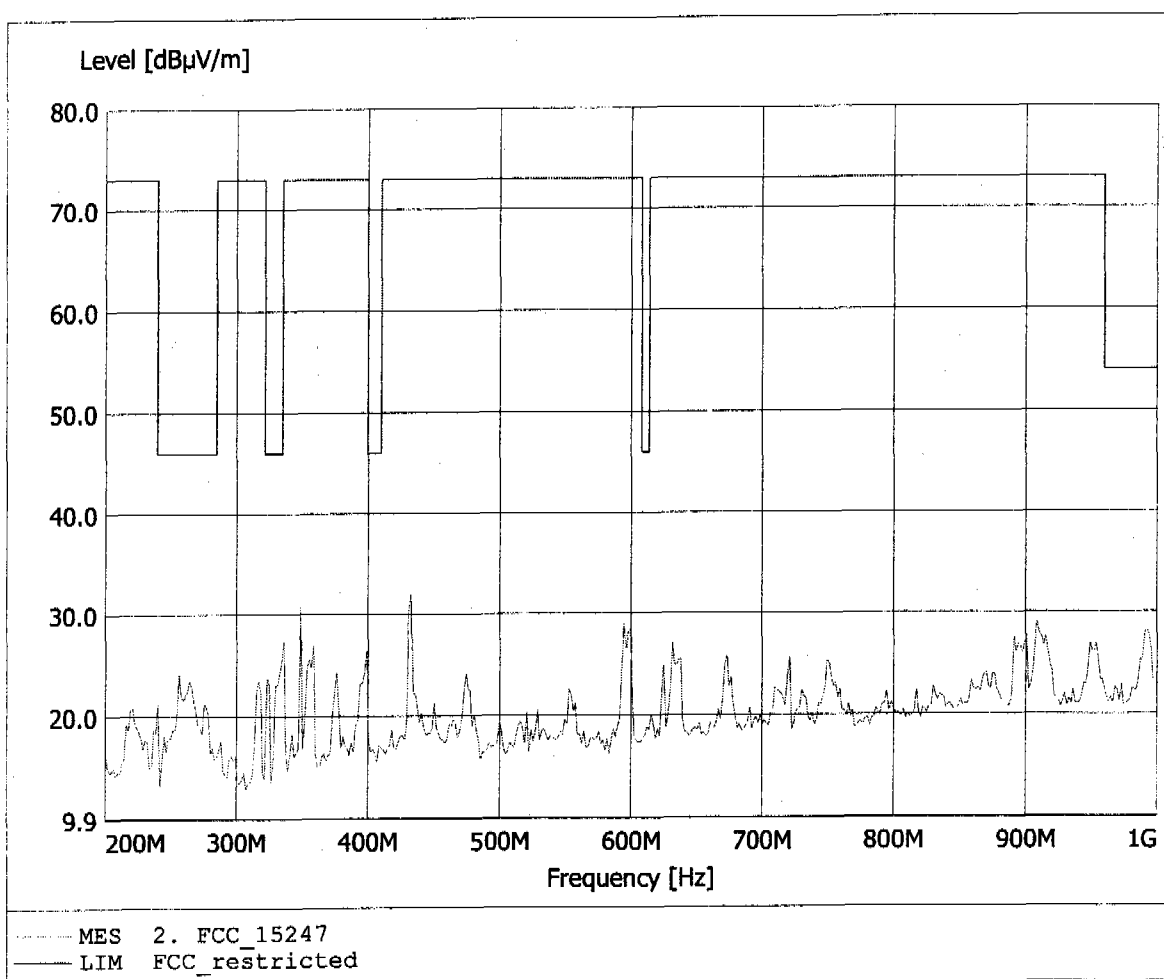
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2441 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 432.465MHz, Emax: 37.55dBμV/m, RBW: 100kHz



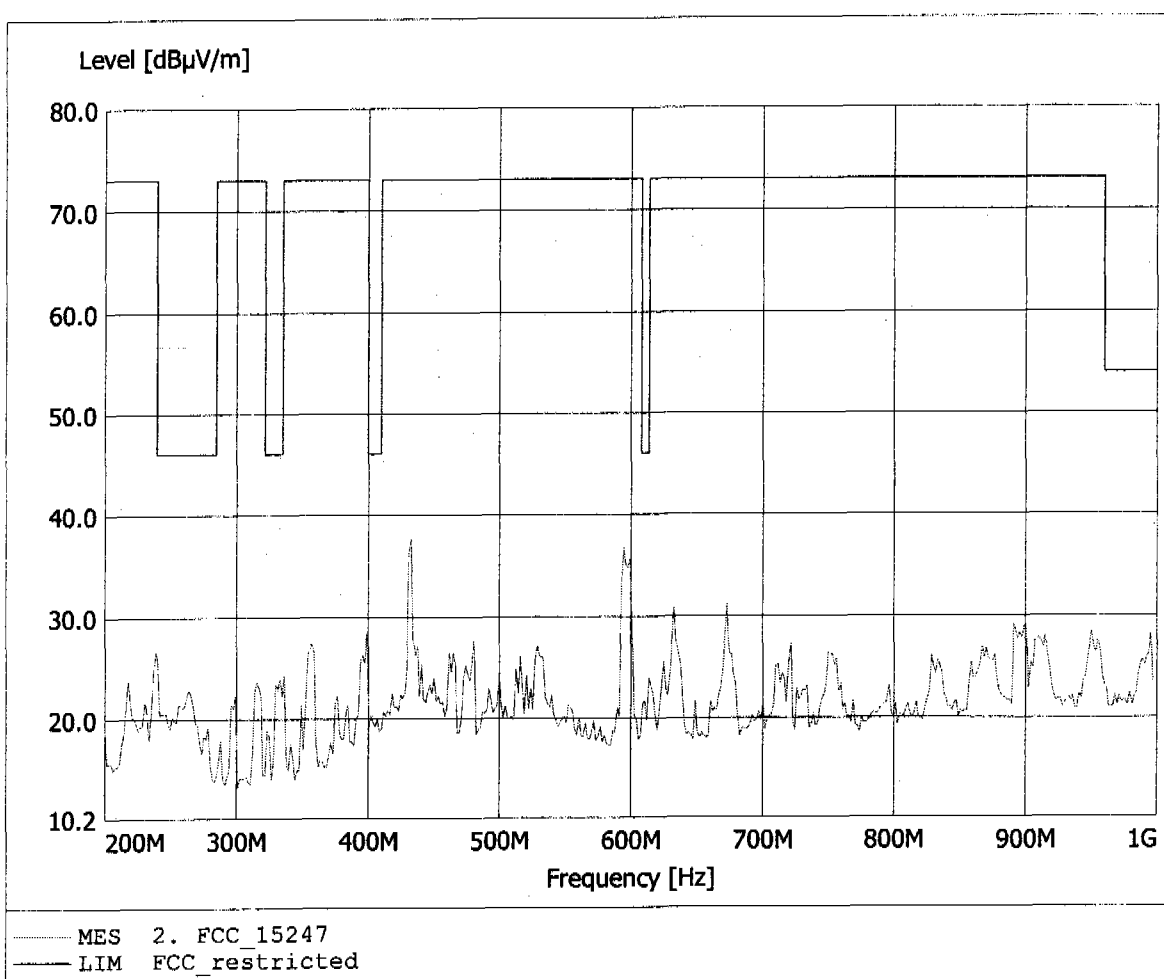
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Bluetooth Headset / Pmax / 2441 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 432.465MHz, Emax: 32.05dBμV/m, RBW: 100kHz



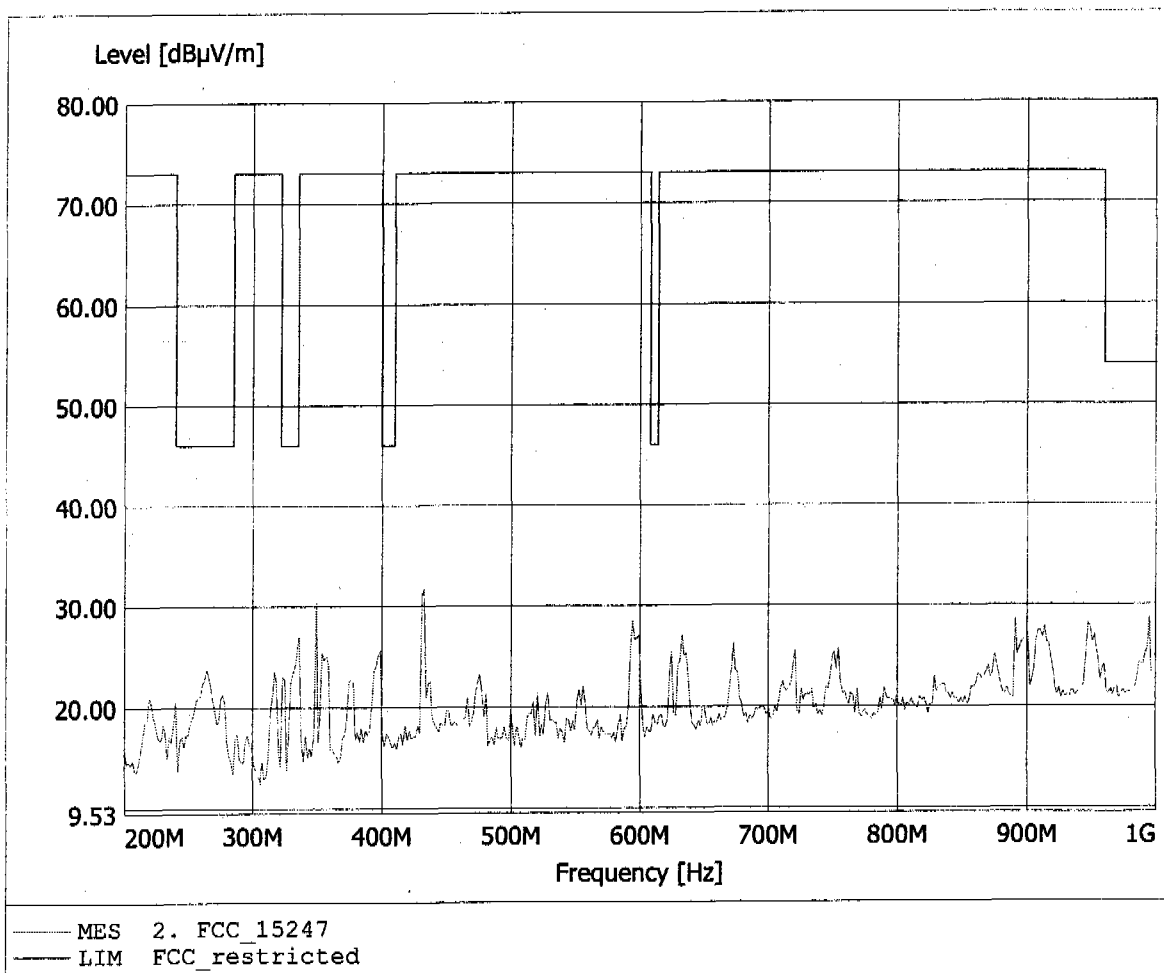
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2480 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 432.465MHz, Emax: 37.69dBμV/m, RBW: 100kHz



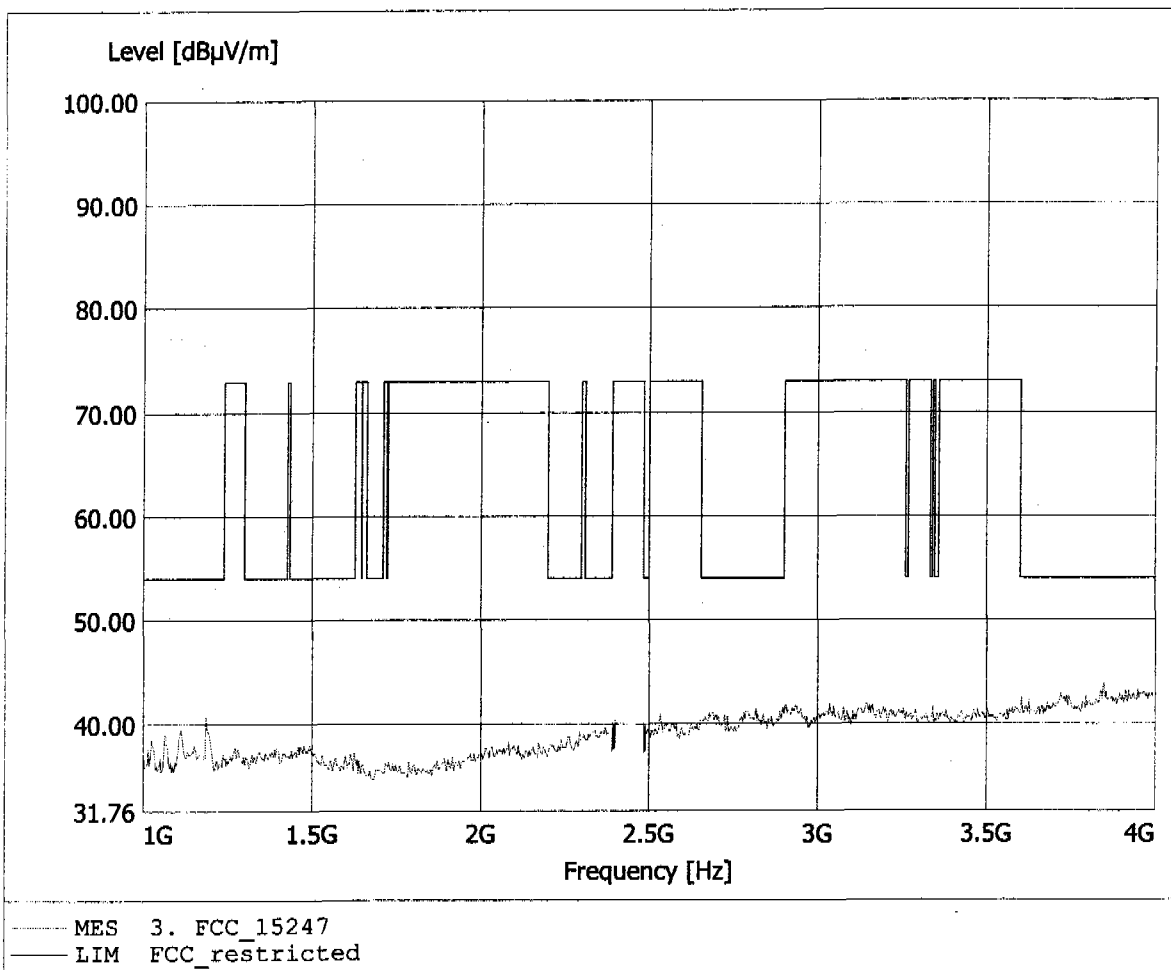
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2480 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 432.465MHz, Emax: 31.71dBµV/m, RBW: 100kHz



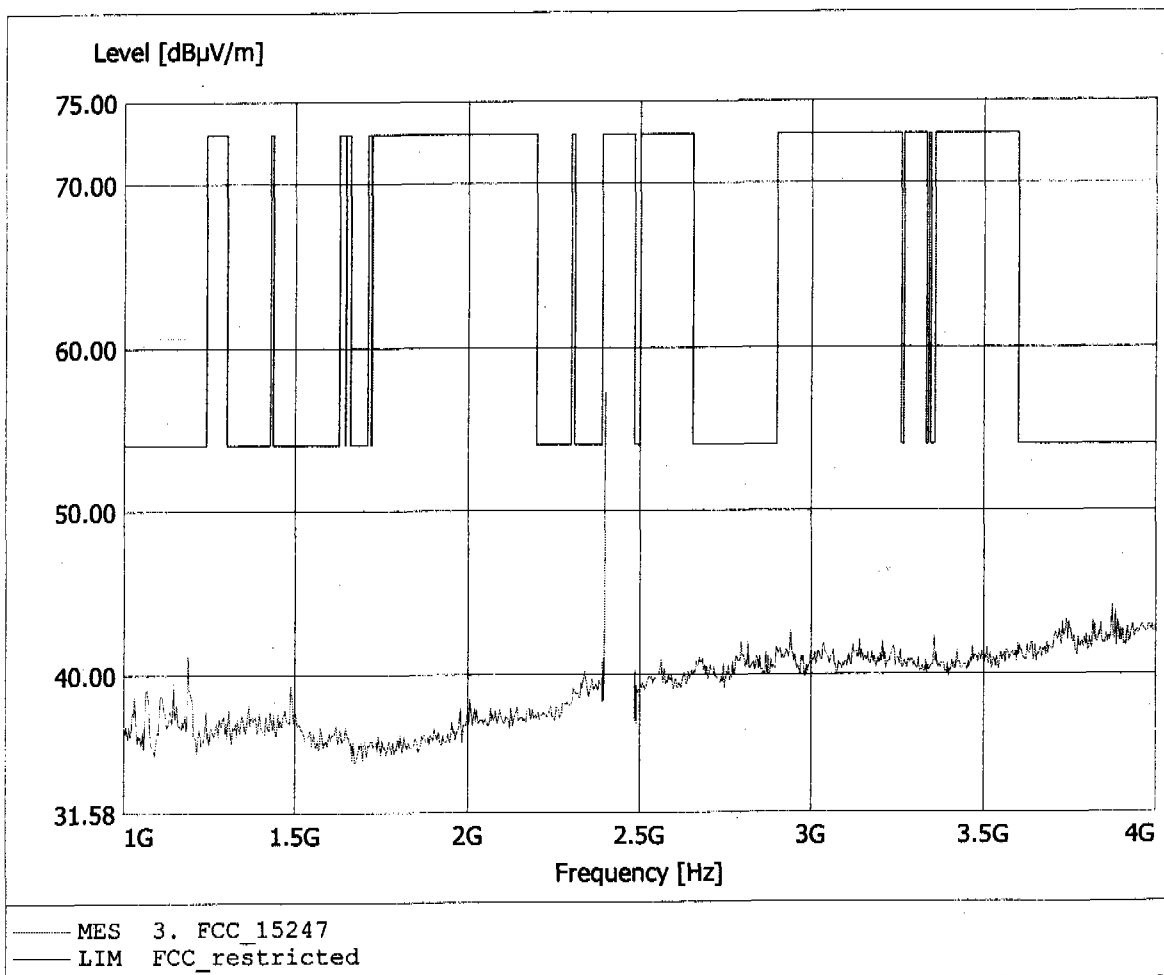
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2402 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.849GHz, Emax: 43.94dBμV/m, RBW: 1MHz



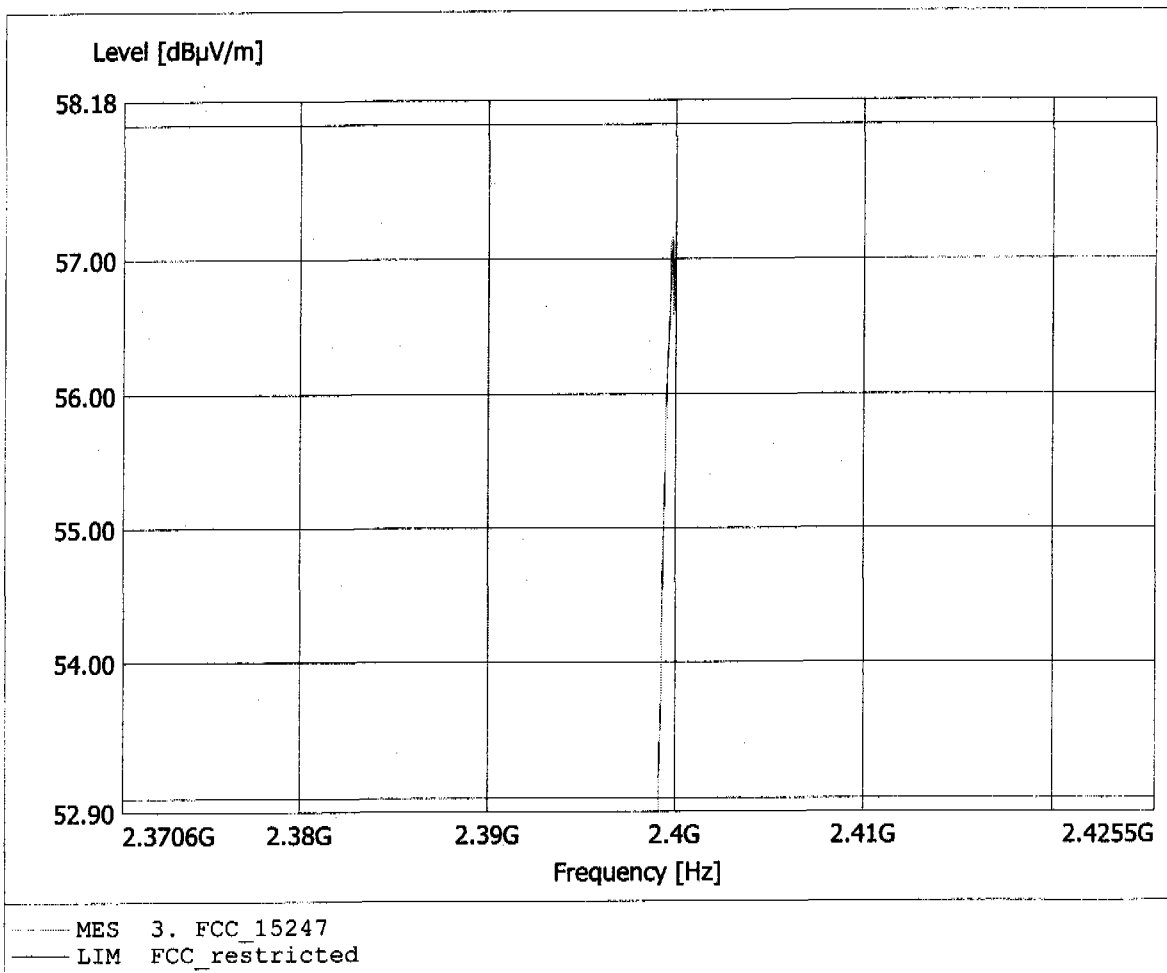
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2402 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.400GHz, Emax: 57.28dBµV/m, RBW: 1MHz



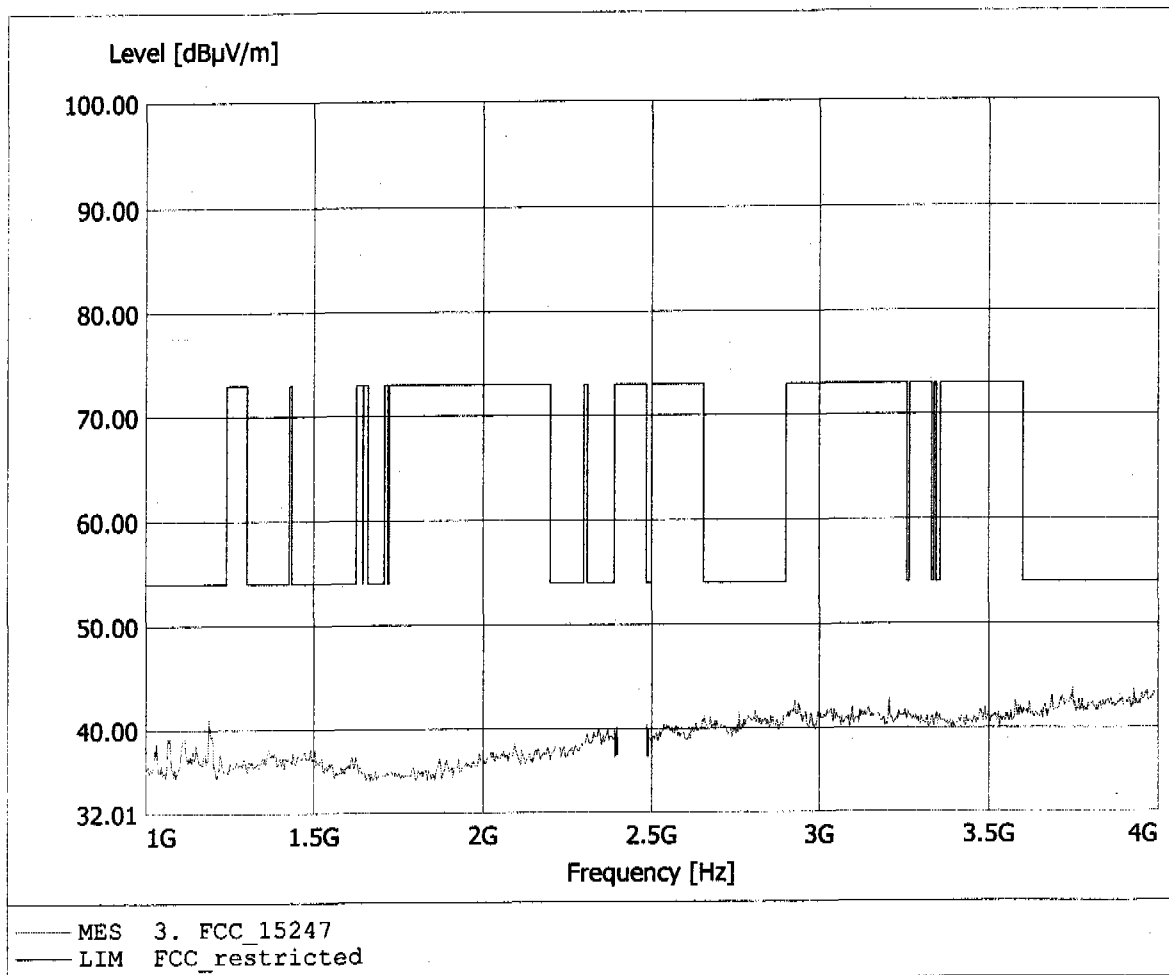
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2402 MHz
 Model: Jabra FREESPEAK 250
 Approval Holder: GN Netcom
 Operating Condition: Tnom: 23°C / Unom: 3.6V DC
 Test Site / Operator: ETS / Mr. Hoppe
 Test Specification: according to S15.247, peak detector
 Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
 Comment 2: Freq: 2.400GHz, Emax: 57.28dBµV/m, RBW: 1MHz



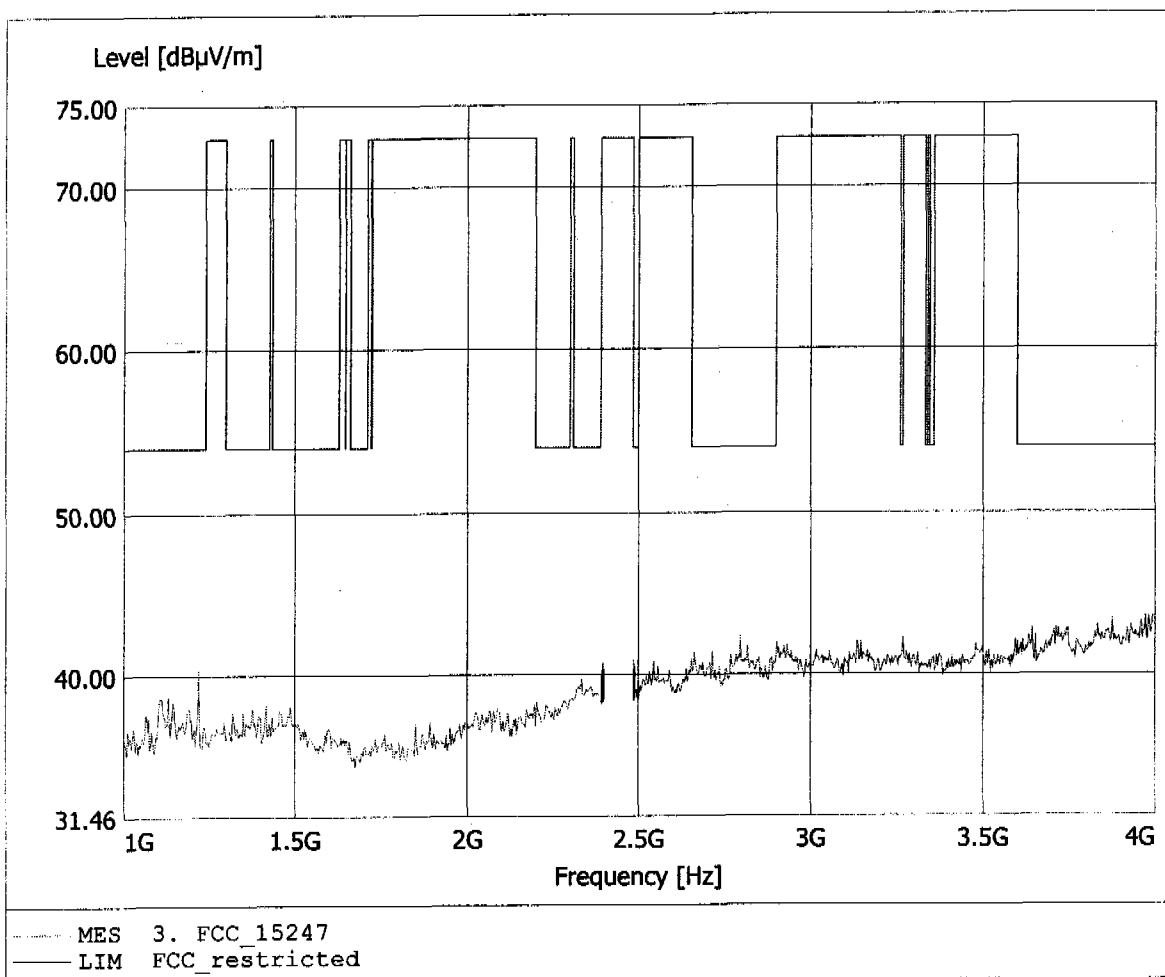
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2441 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.746GHz, Emax: 43.81dBμV/m, RBW: 1MHz



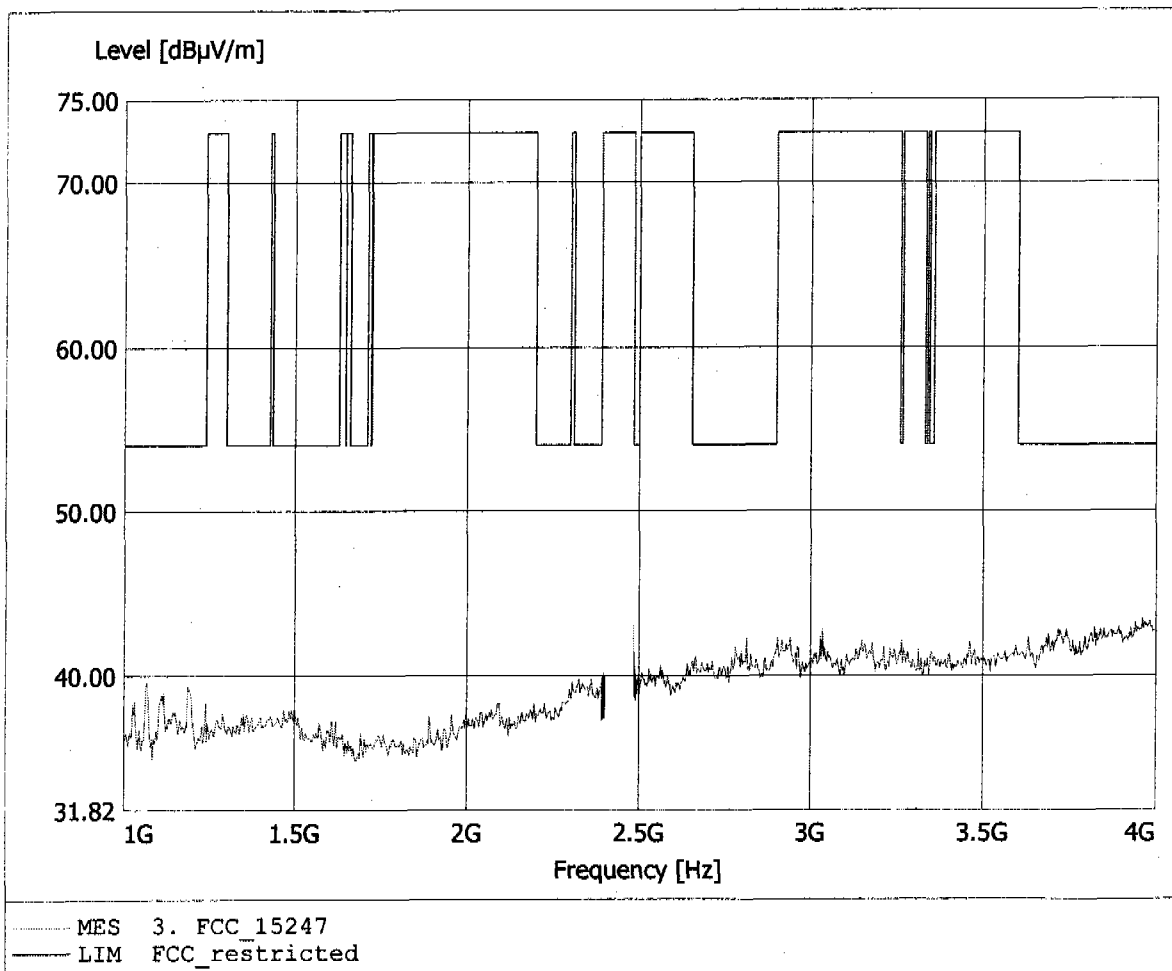
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2441 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.973GHz, Emax: 43.67dBμV/m, RBW: 1MHz



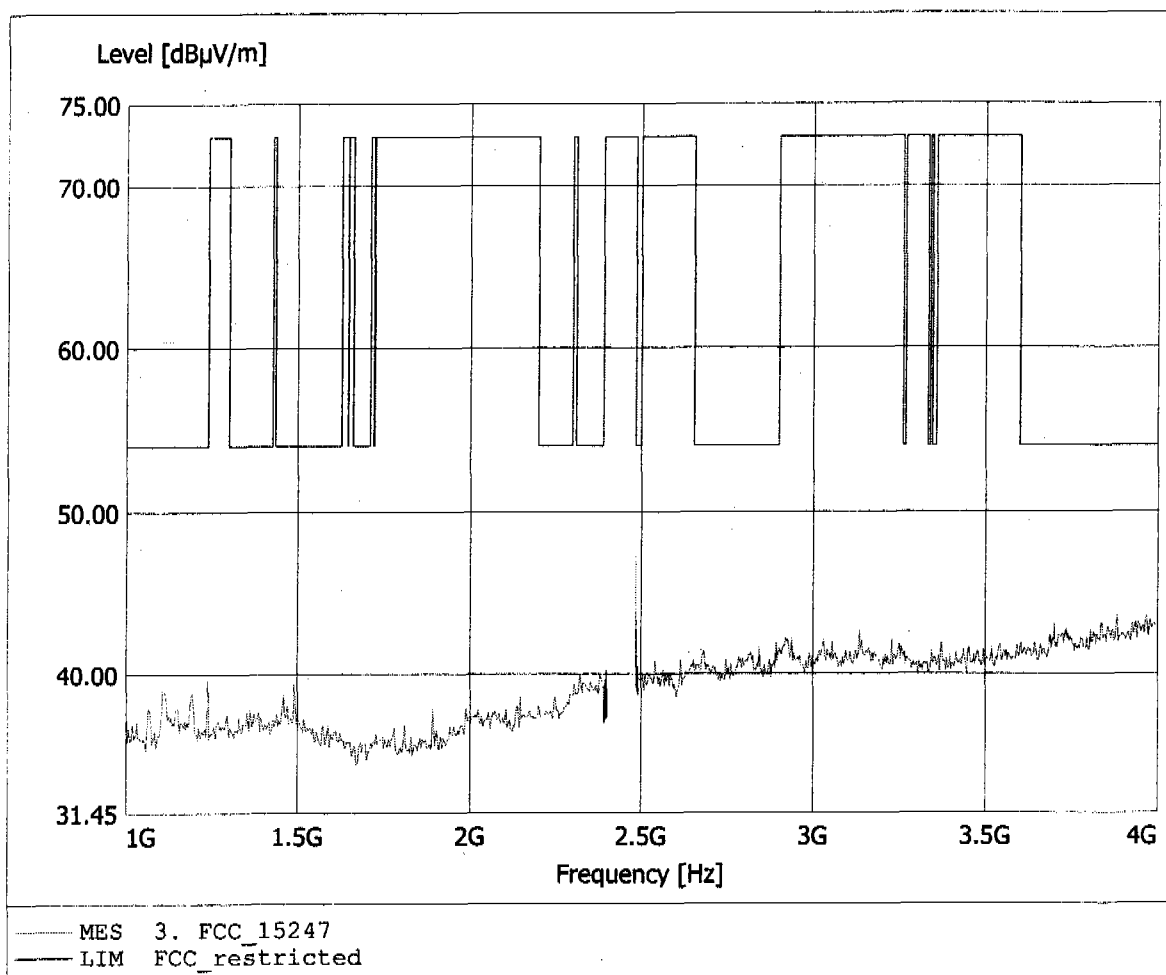
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2480 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 3.961GHz, Emax: 43.49dBuV/m, RBW: 1MHz



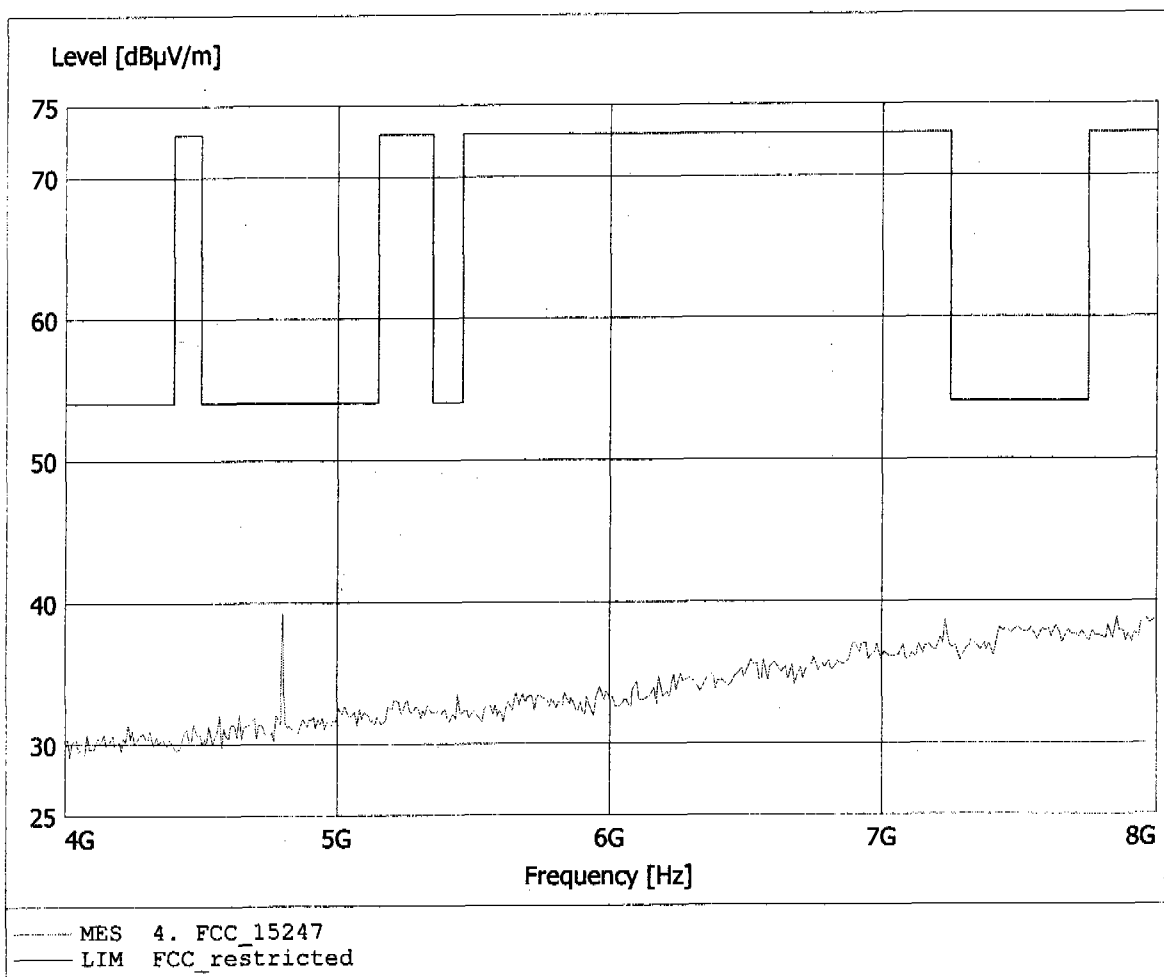
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Bluetooth Headset / Pmax / 2480 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.484GHz, Emax: 47.44dBμV/m, RBW: 1MHz



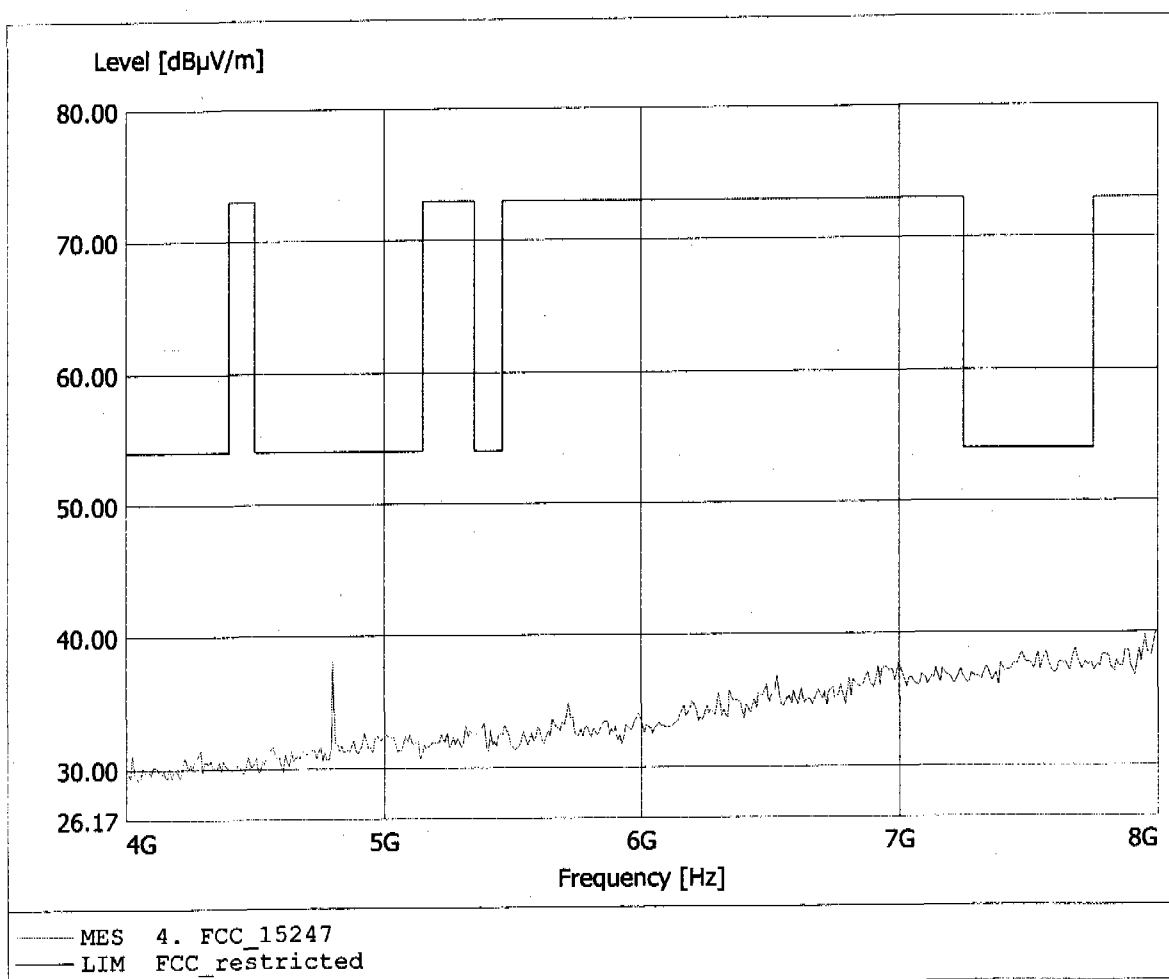
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2402 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.802GHz, Emax: 39.23dBμV/m, RBW: 1MHz



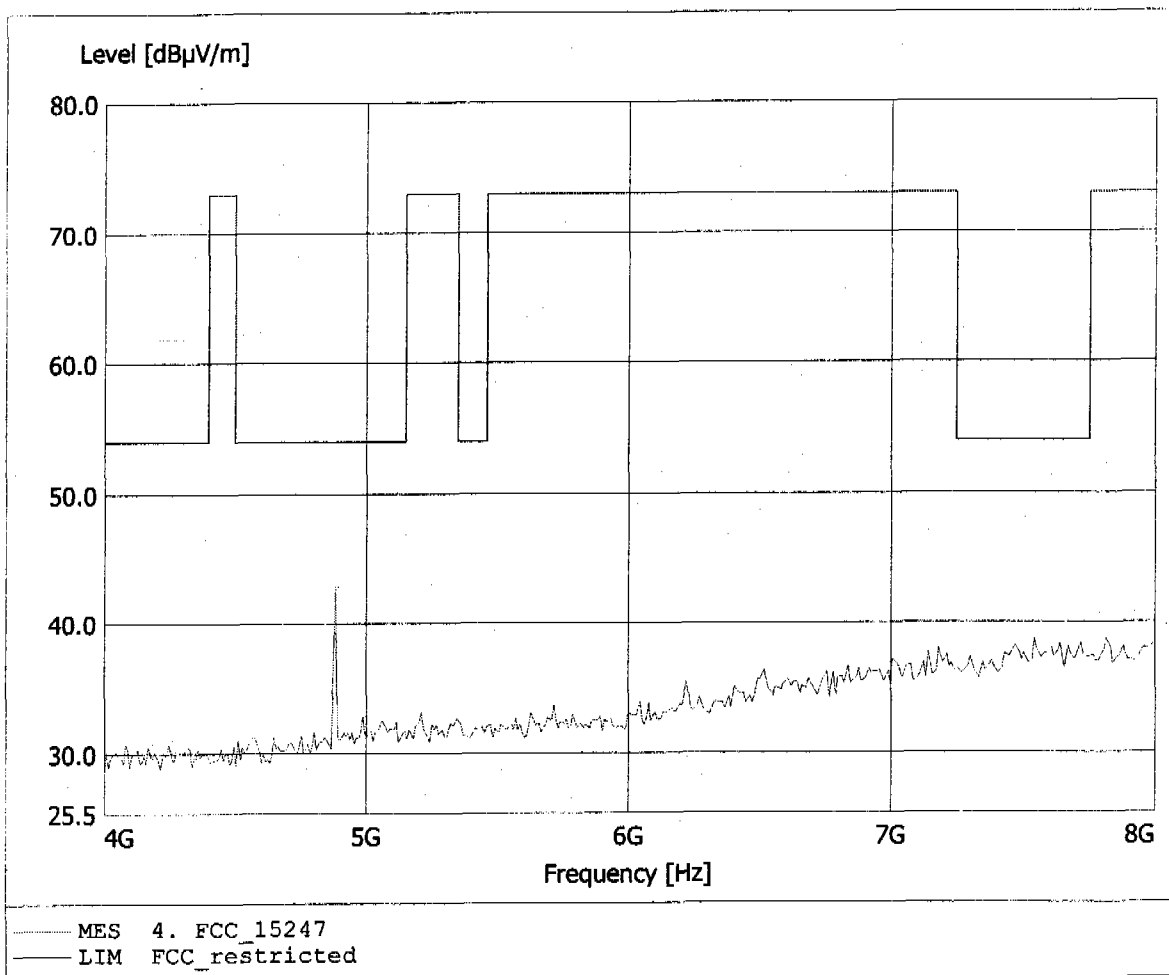
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2402 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.992GHz, Emax: 40.01dBμV/m, RBW: 1MHz



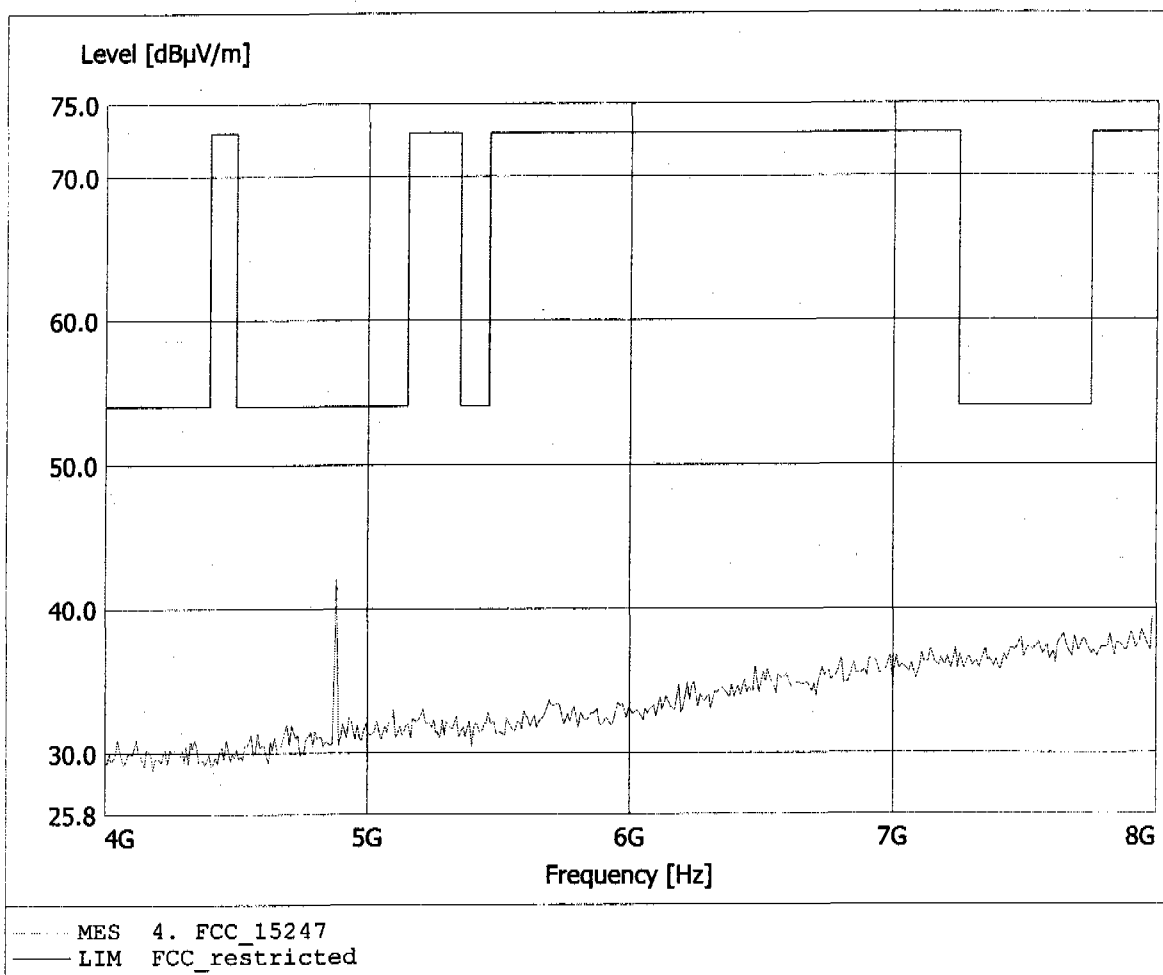
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2441 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.882GHz, Emax: 42.86dBμV/m, RBW: 1MHz



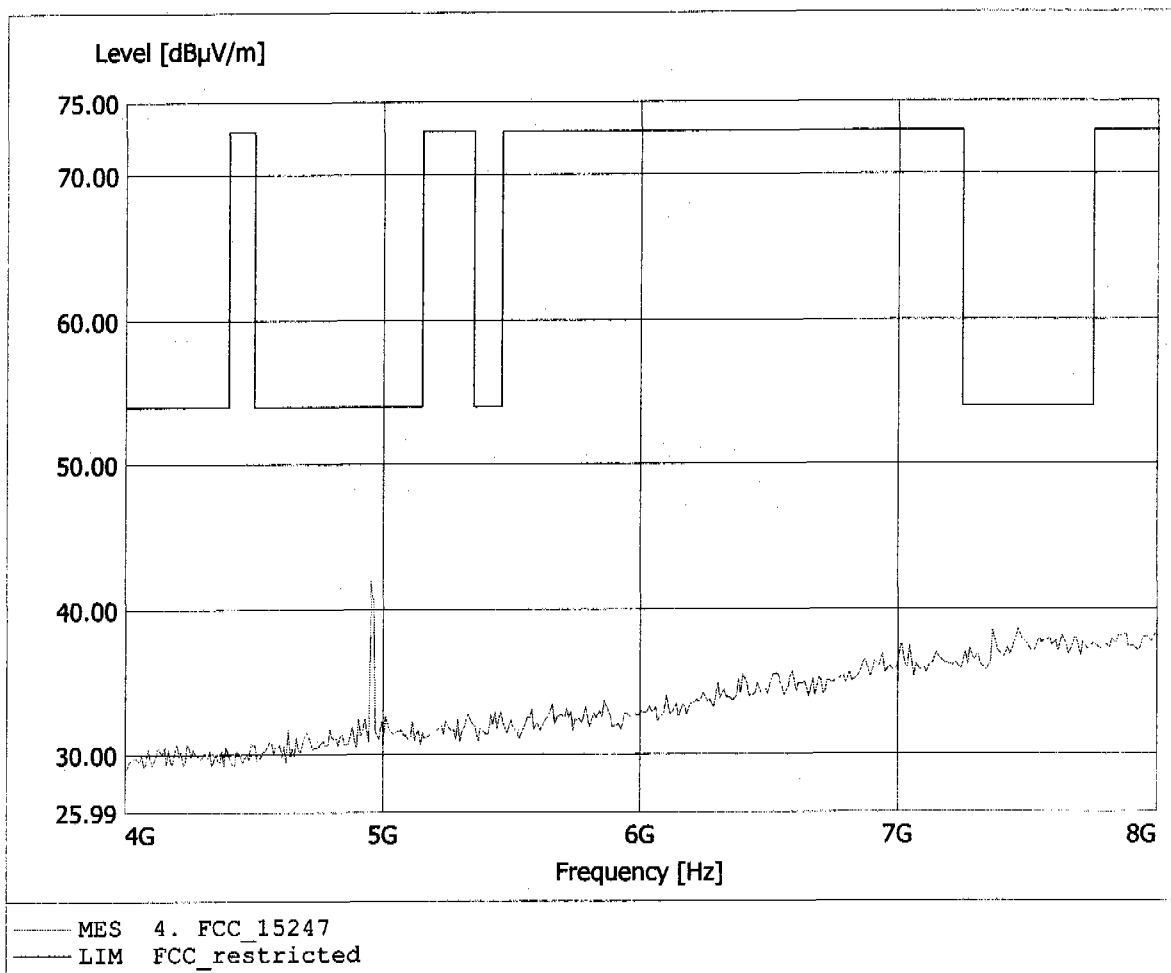
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2441 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.882GHz, Emax: 42.06dBμV/m, RBW: 1MHz



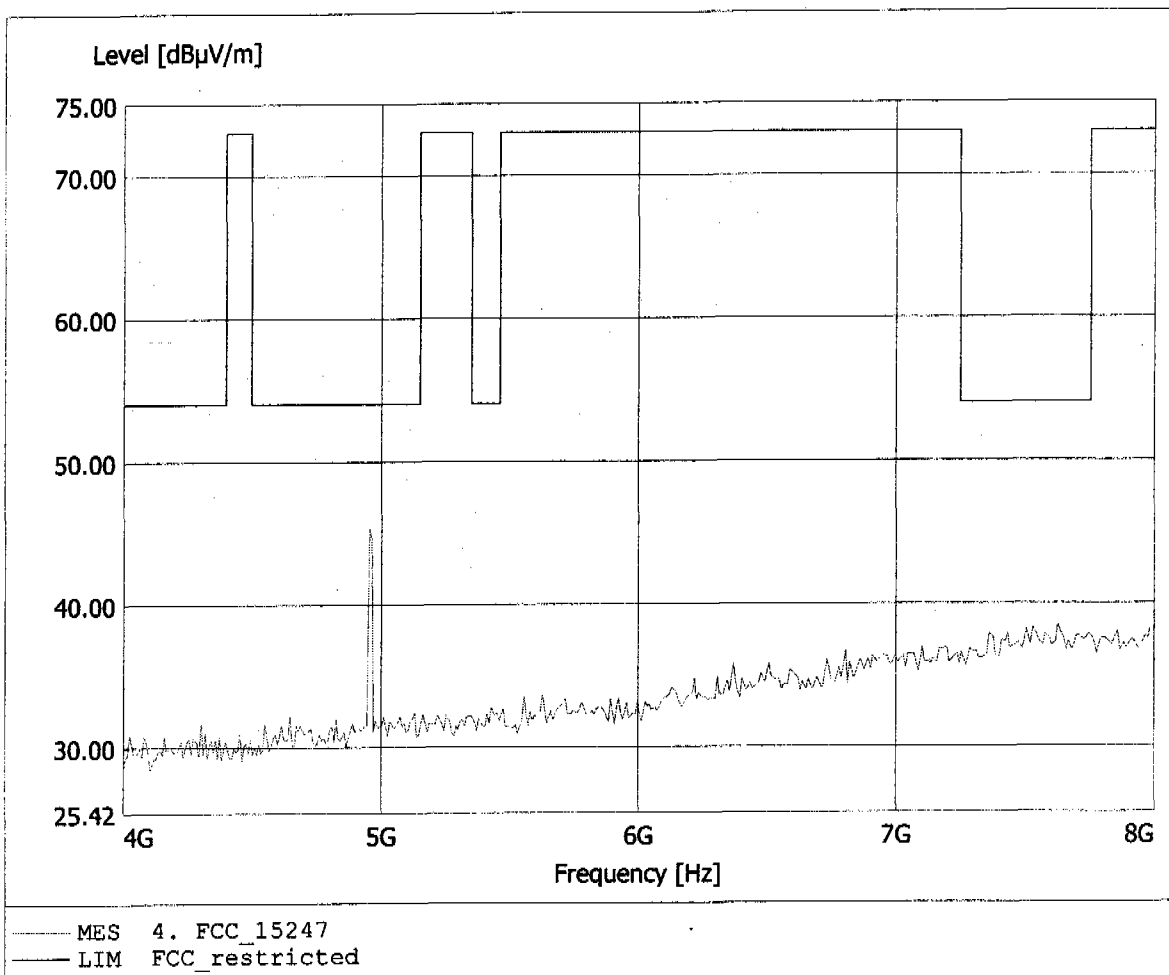
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2480 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.954GHz, Emax: 41.92dBμV/m, RBW: 1MHz



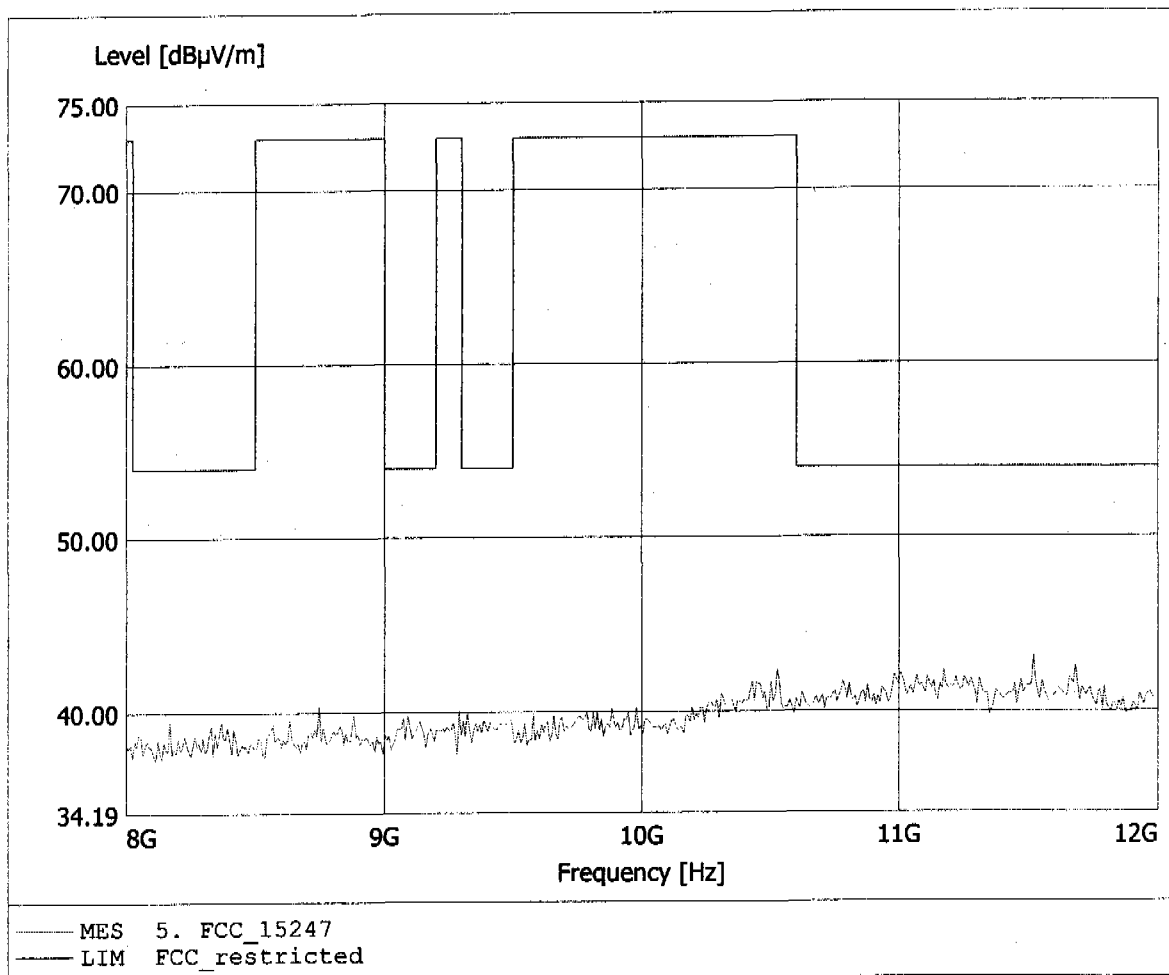
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2480 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.954GHz, Emax: 45.34dBμV/m, RBW: 1MHz



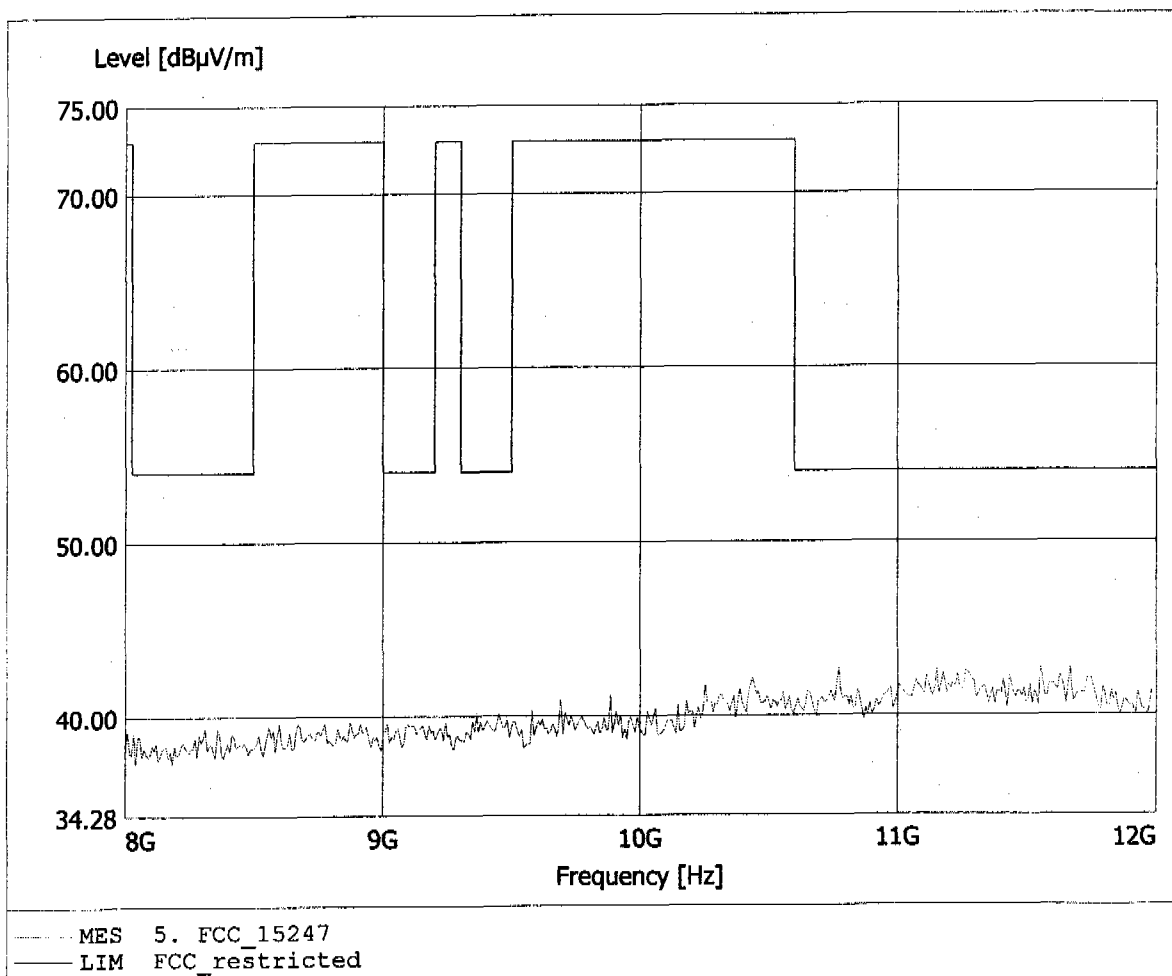
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2402 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.519GHz, Emax: 43.24dBμV/m, RBW: 1MHz



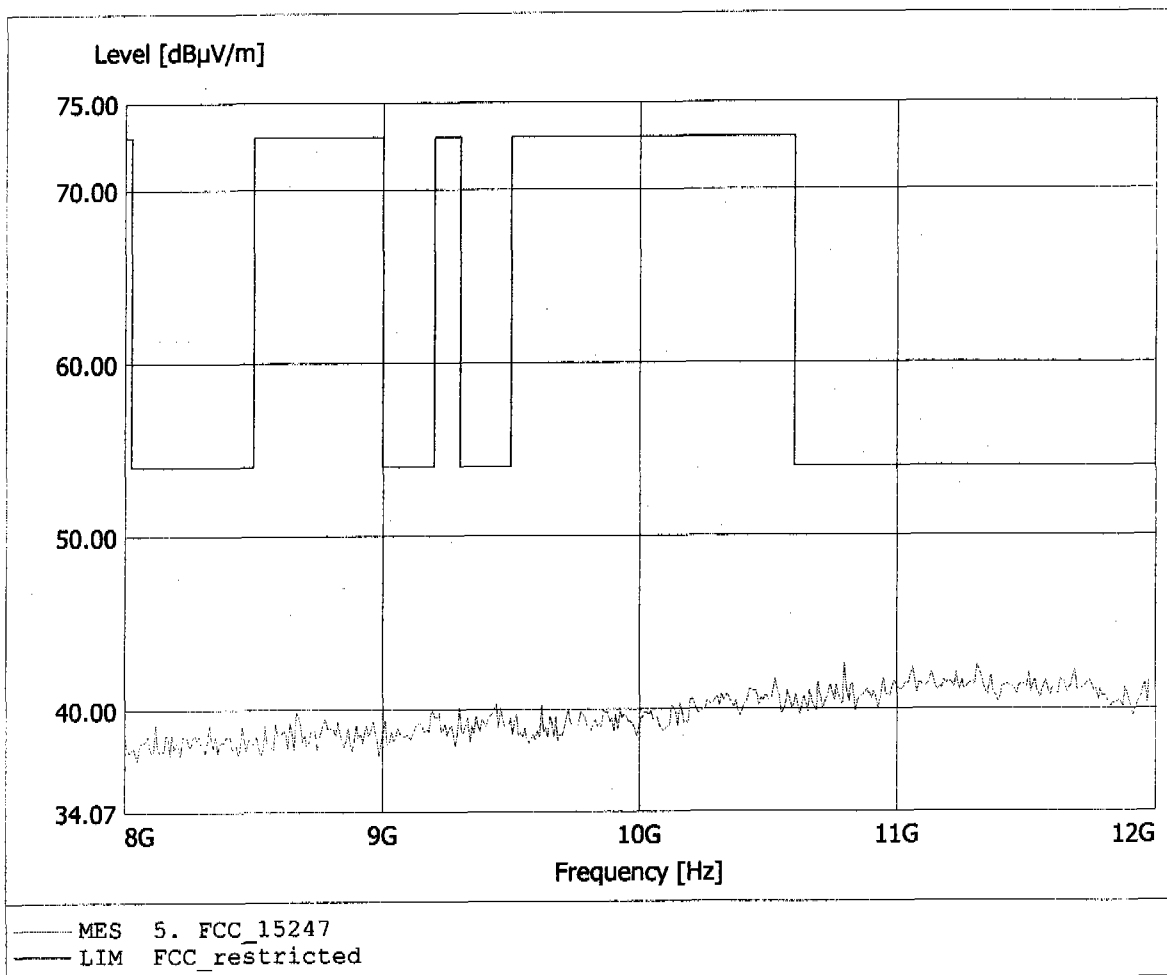
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2402 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.663GHz, Emax: 42.82dBμV/m, RBW: 1MHz



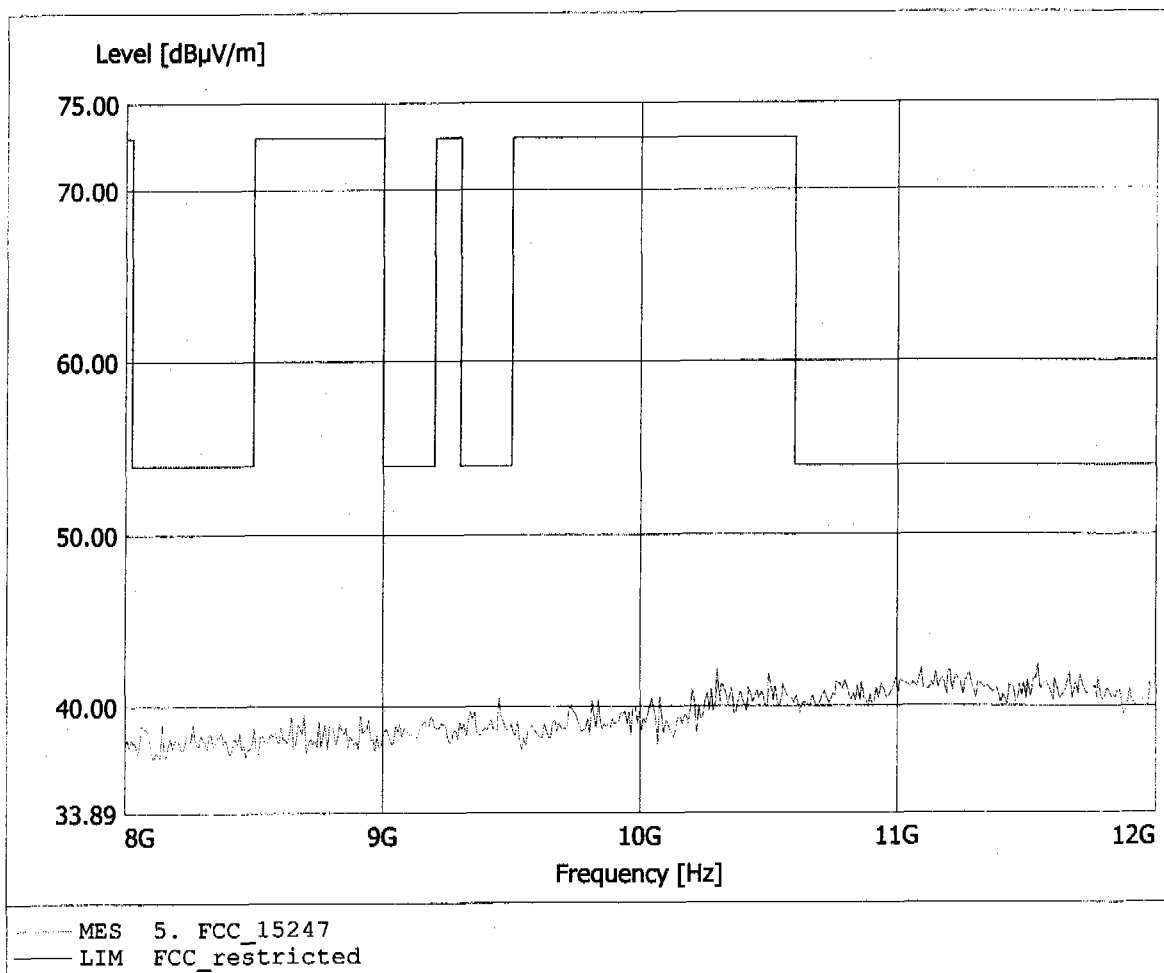
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Bluetooth Headset / Pmax / 2441 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.798GHz, Emax: 42.64dBμV/m, RBW: 1MHz



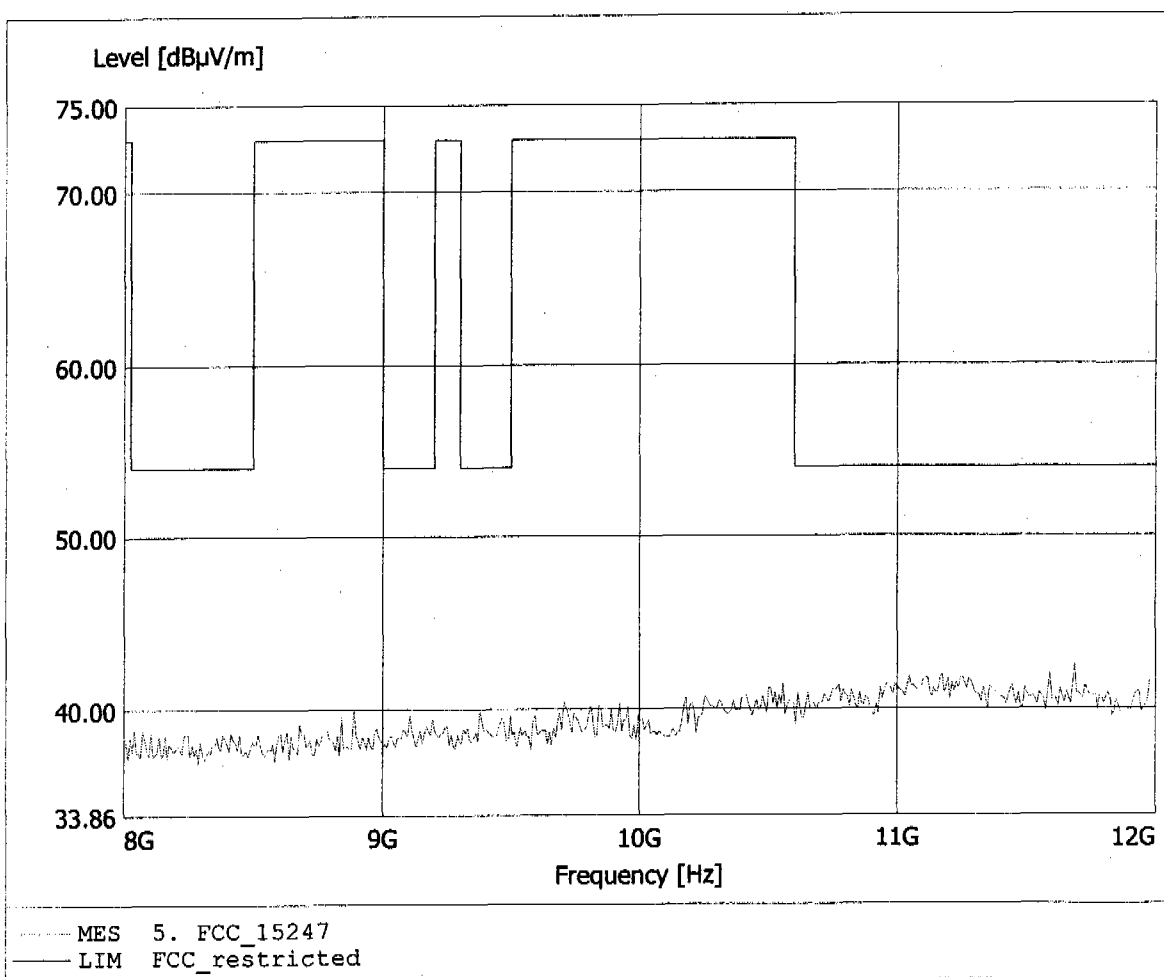
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2441 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.543GHz, Emax: 42.41dBμV/m, RBW: 1MHz



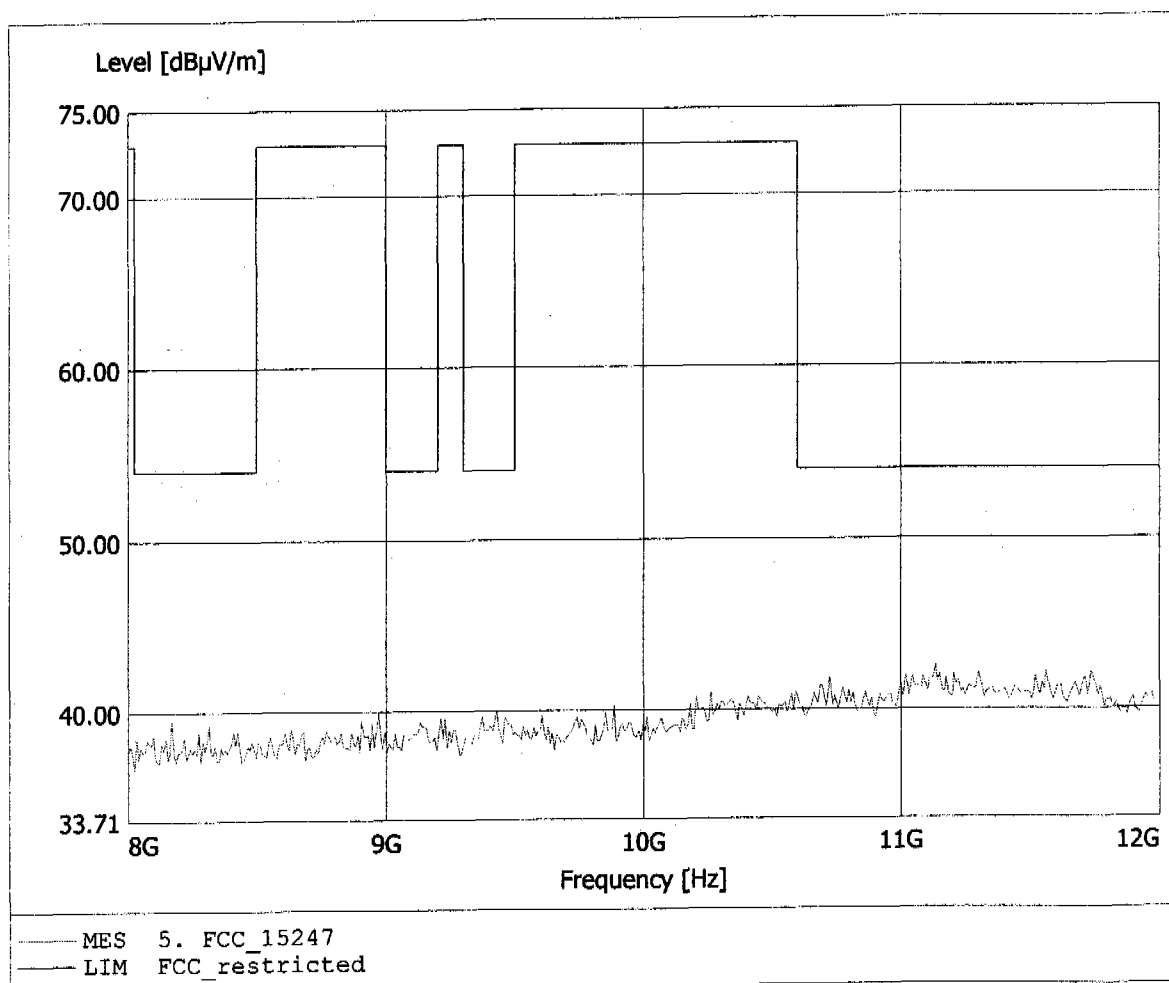
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2480 MHz
 Model: Jabra FREESPEAK 250
 Approval Holder: GN Netcom
 Operating Condition: Tnom: 23°C / Unom: 3.6V DC
 Test Site / Operator: ETS / Mr. Handrik
 Test Specification: according to §15.247, peak detector
 Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
 Comment 2: Freq: 11.687GHz, Emax: 42.56dBµV/m, RBW: 1MHz



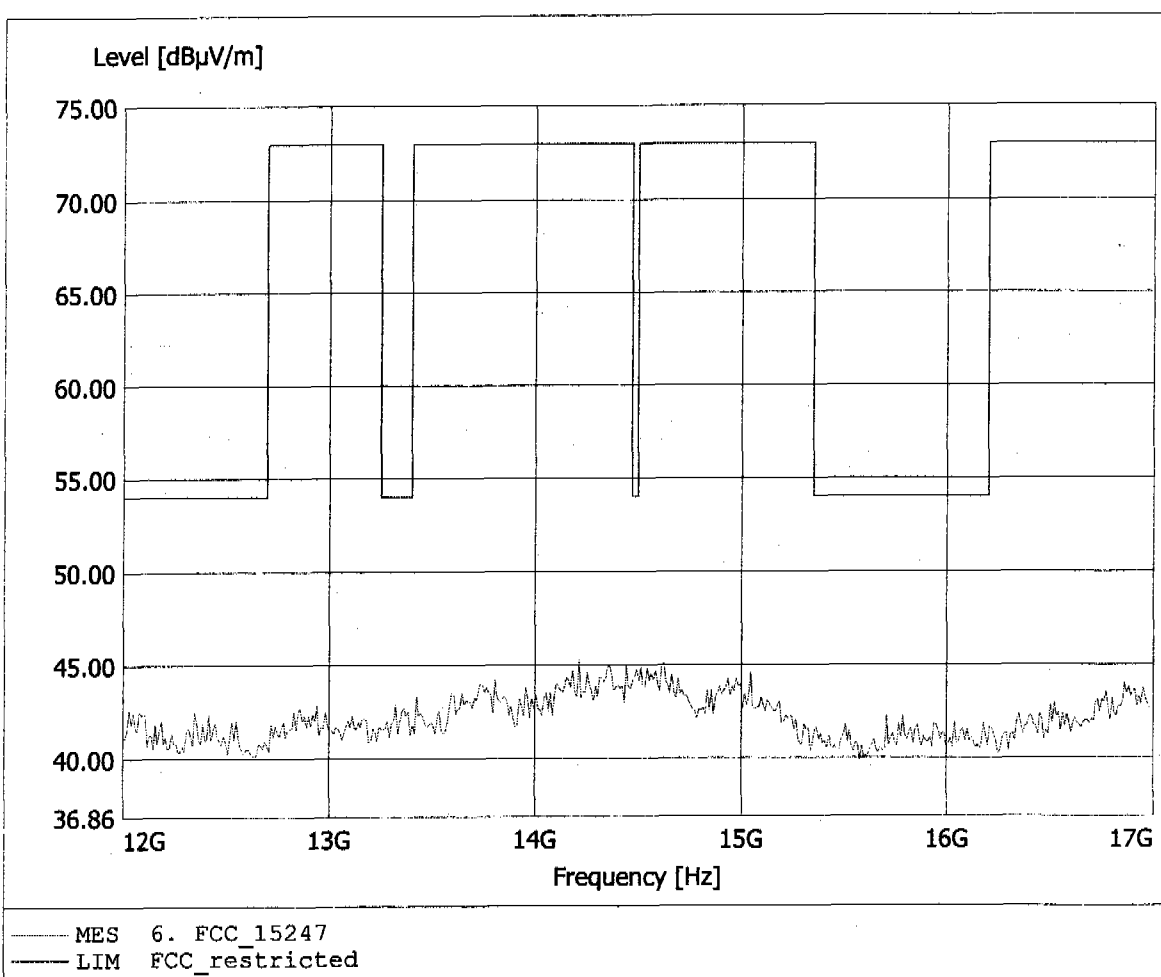
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2480 MHz
 Model: Jabra FREESPEAK 250
 Approval Holder: GN Netcom
 Operating Condition: Tnom: 23°C / Unom: 3.6V DC
 Test Site / Operator: ETS / Mr. Handrik
 Test Specification: according to §15.247, peak detector
 Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
 Comment 2: Freq: 11.134GHz, Emax: 42.56dBuV/m, RBW: 1MHz



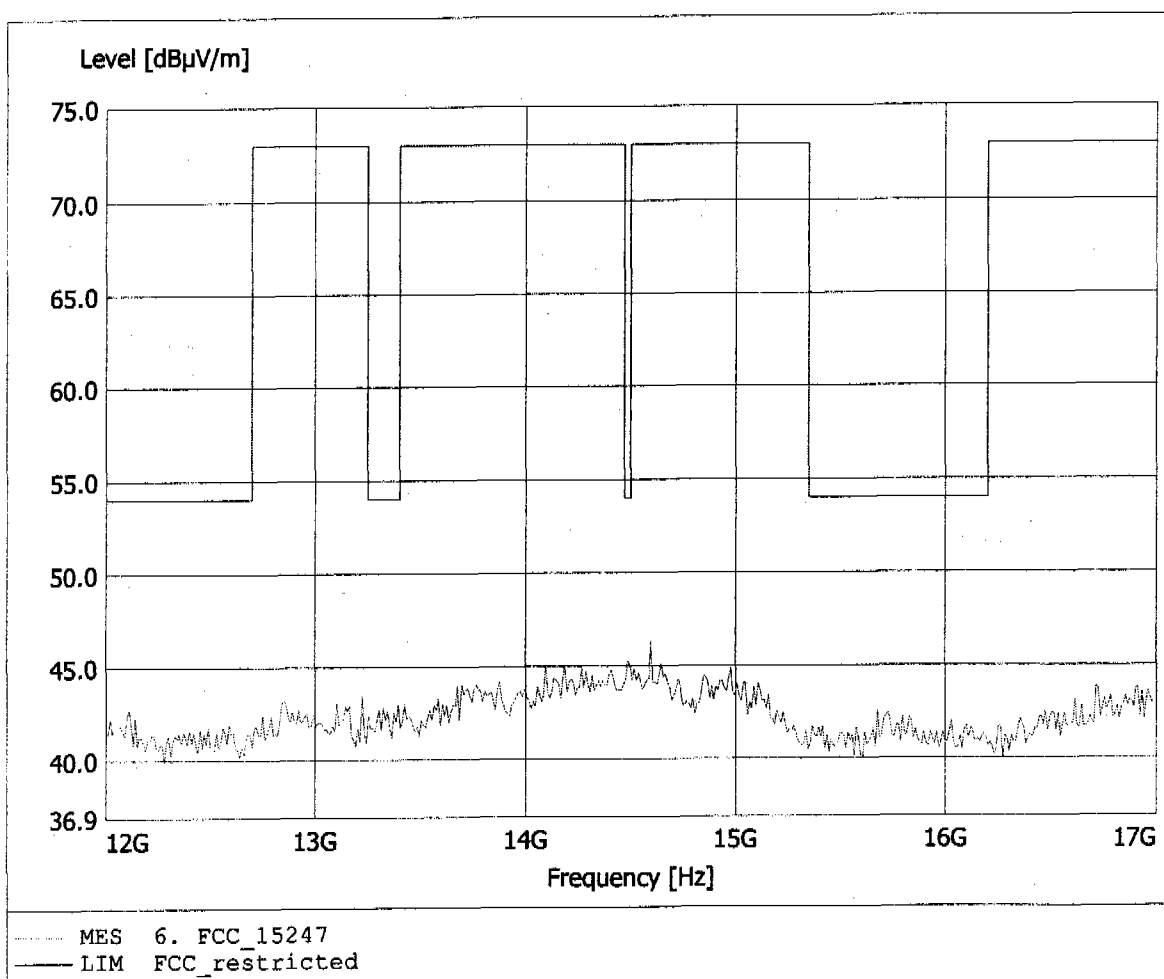
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Bluetooth Headset / Pmax / 2402 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.214GHz, Emax: 45.29dBμV/m, RBW: 1MHz



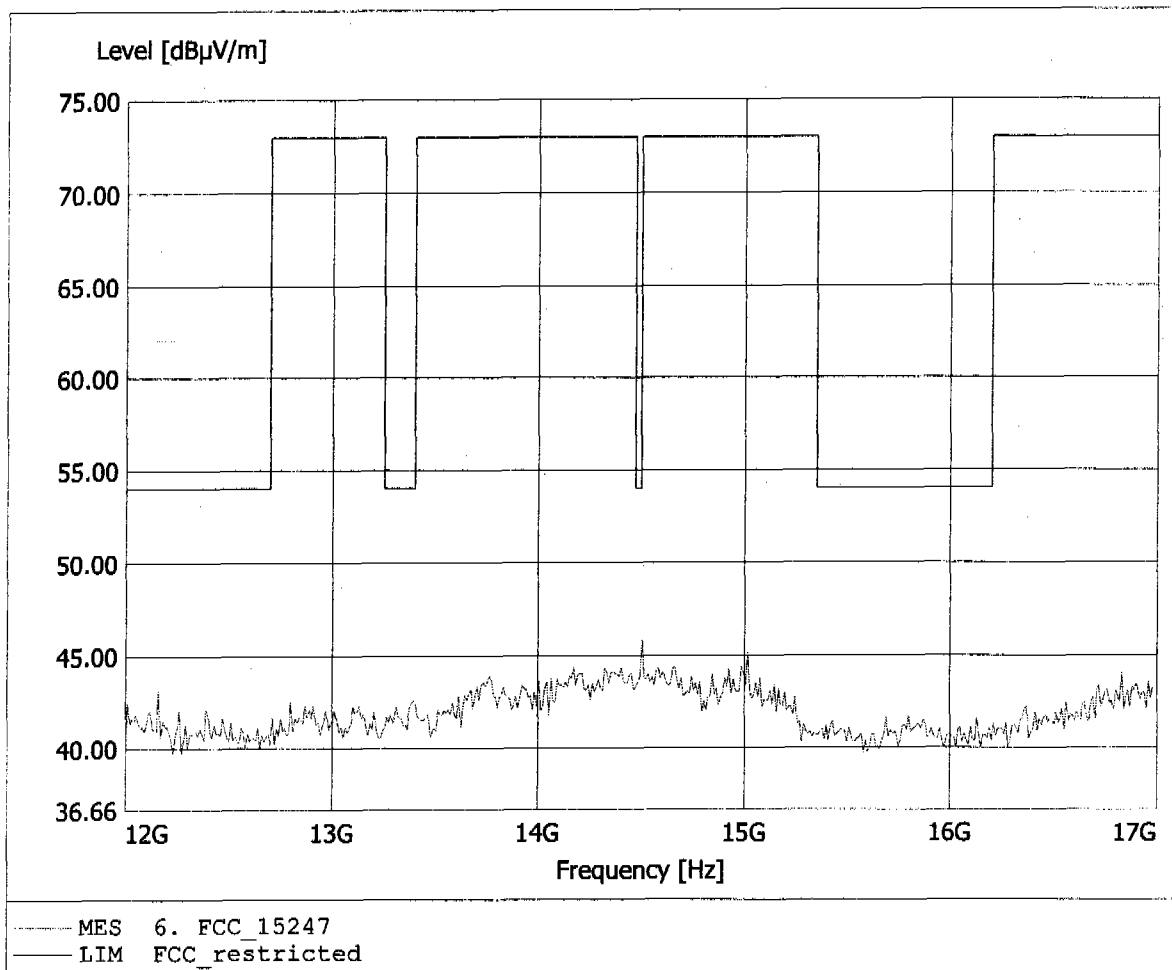
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2402 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.595GHz, Emax: 46.33dBμV/m, RBW: 1MHz



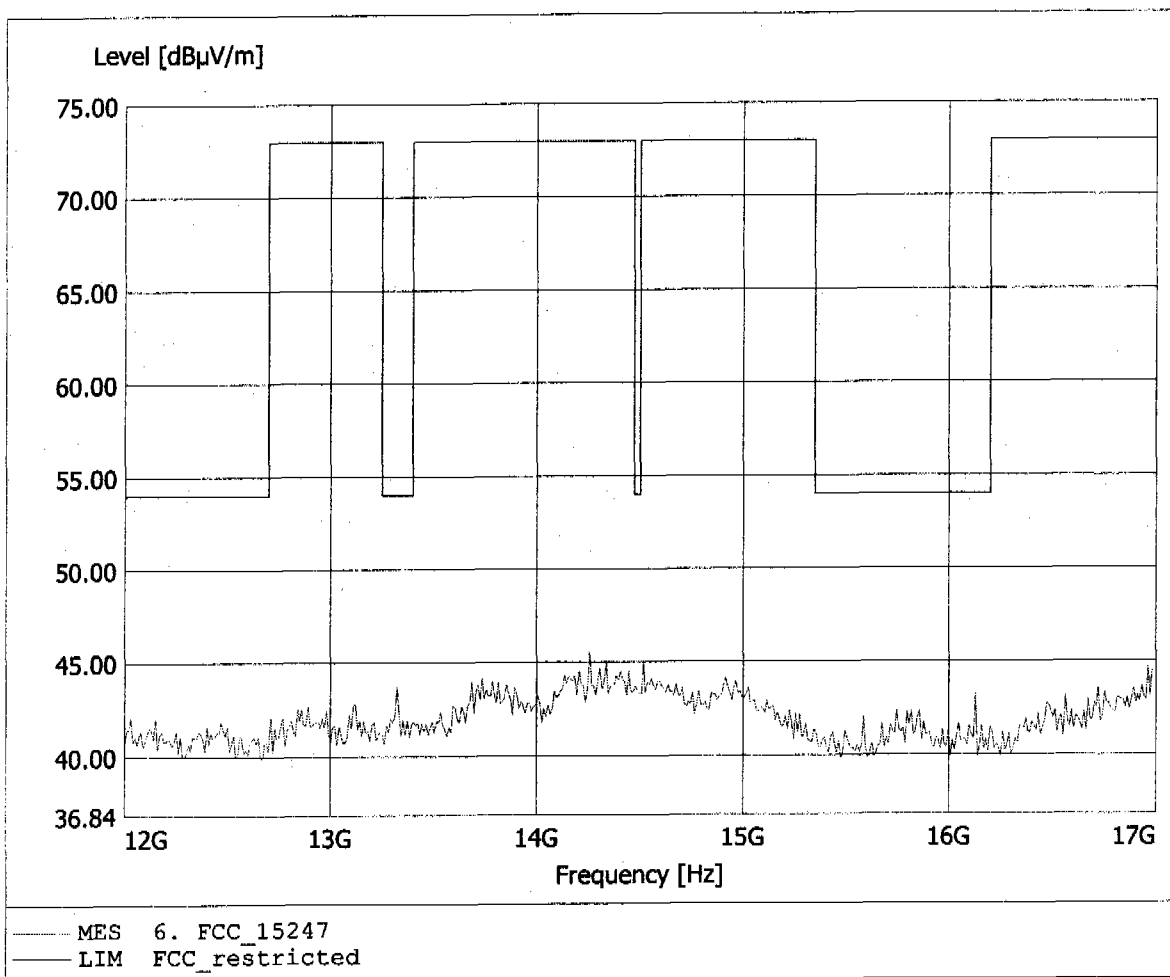
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: Bluetooth Headset / Pmax / 2441 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.505GHz, Emax: 45.92dBμV/m, RBW: 1MHz



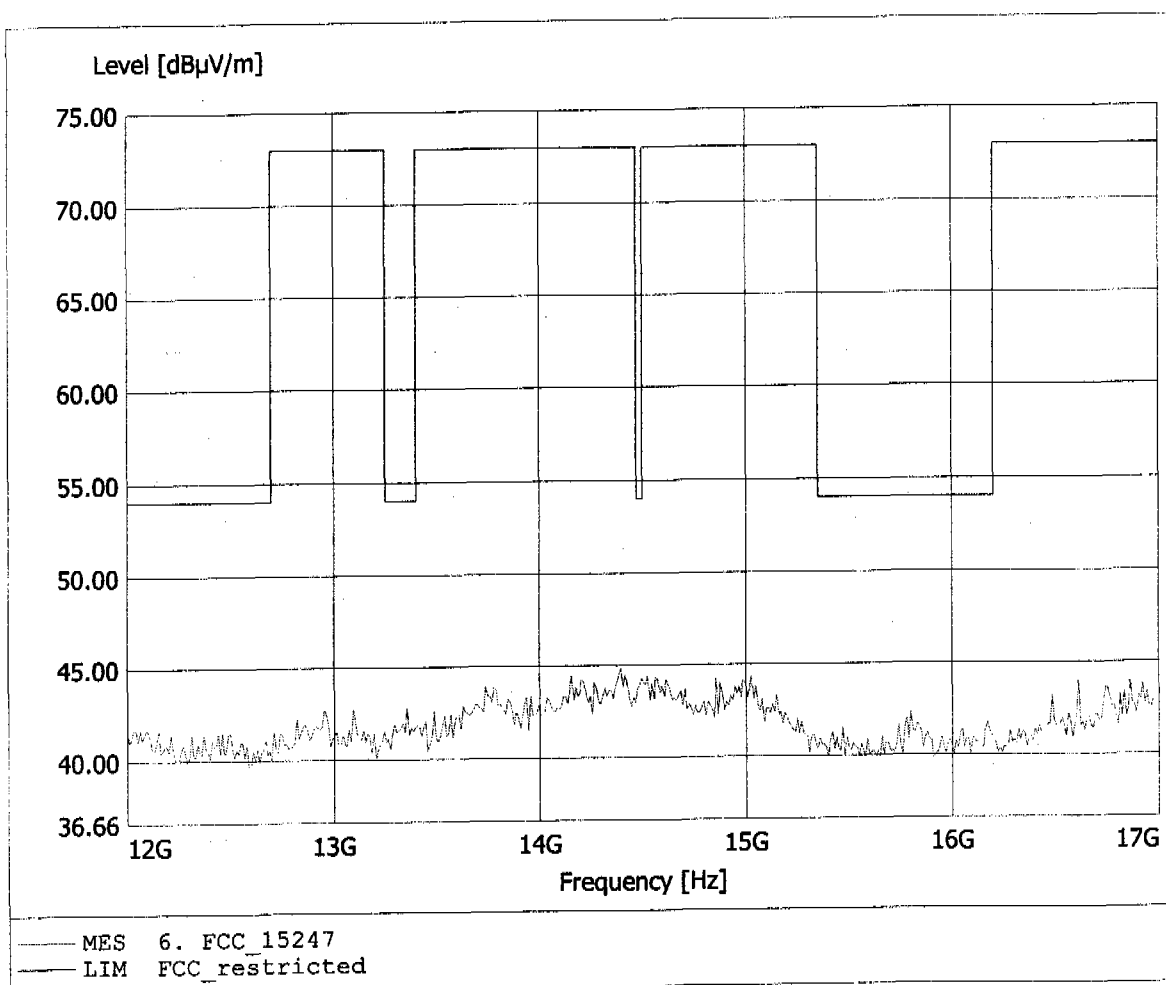
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2441 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.255GHz, Emax: 45.59dBμV/m, RBW: 1MHz



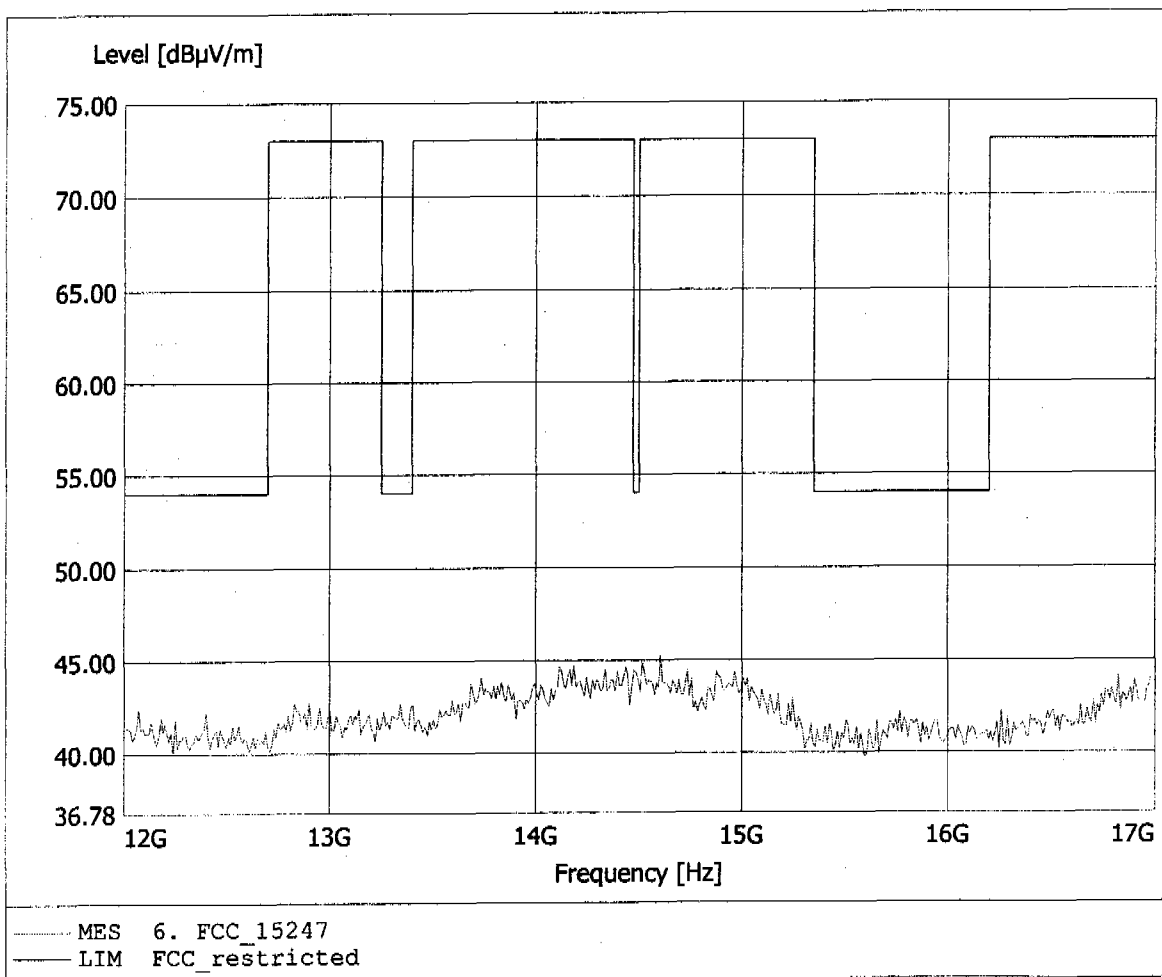
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2480 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.395GHz, Emax: 44.82dBμV/m, RBW: 1MHz



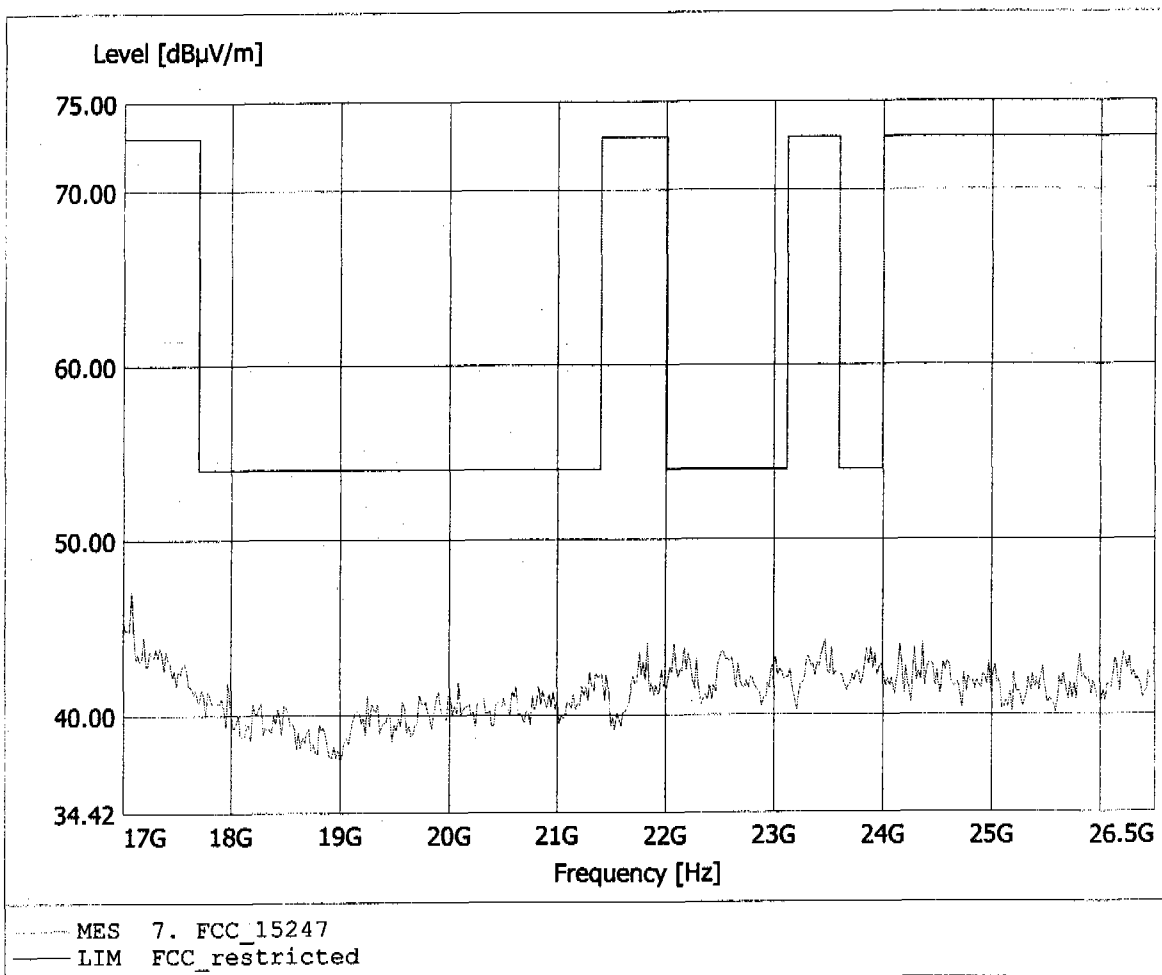
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2480 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.605GHz, Emax: 45.30dBµV/m, RBW: 1MHz



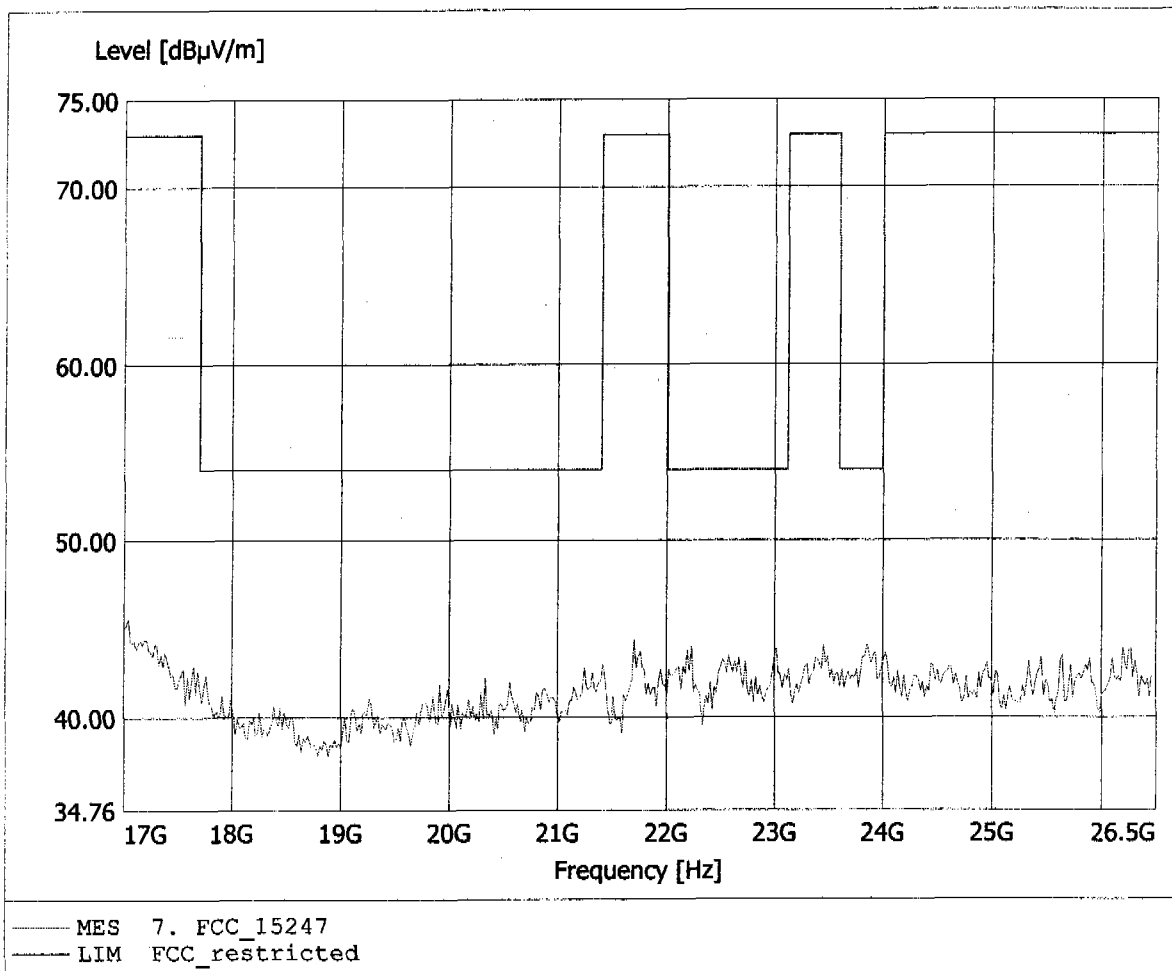
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2402 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.076GHz, Emax: 47.15dBµV/m, RBW: 1MHz



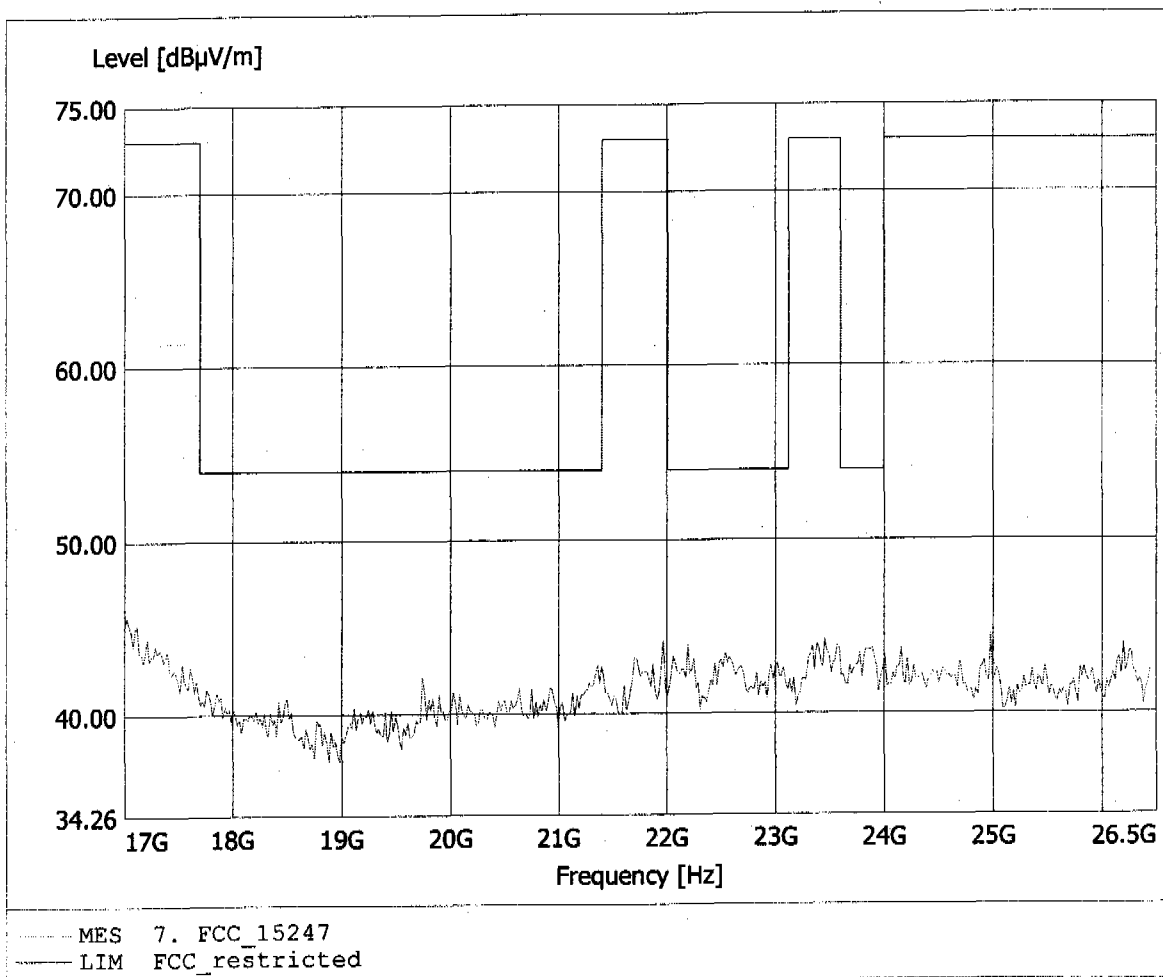
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2402 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.038GHz, Emax: 45.53dBμV/m, RBW: 1MHz



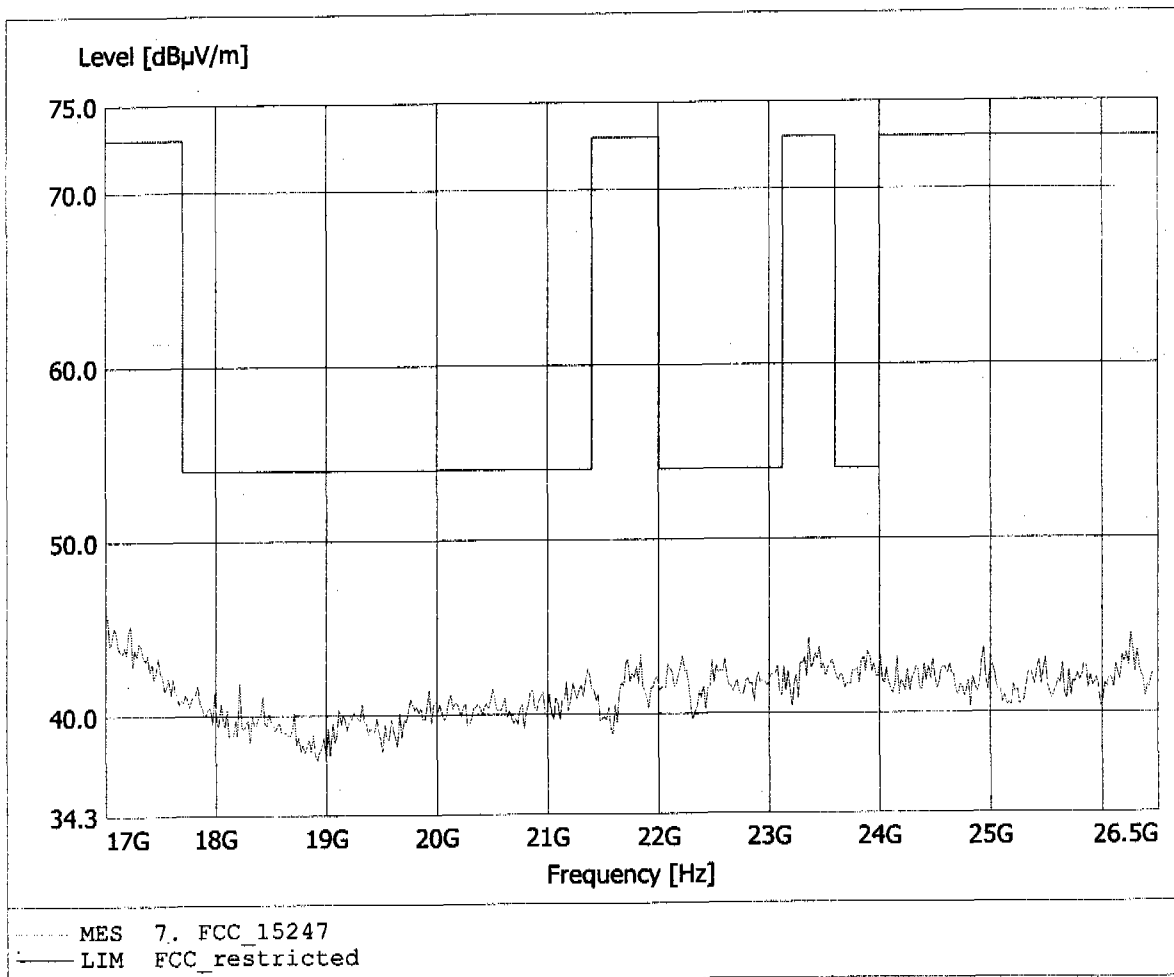
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2441 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.019GHz, Emax: 45.67dBμV/m, RBW: 1MHz



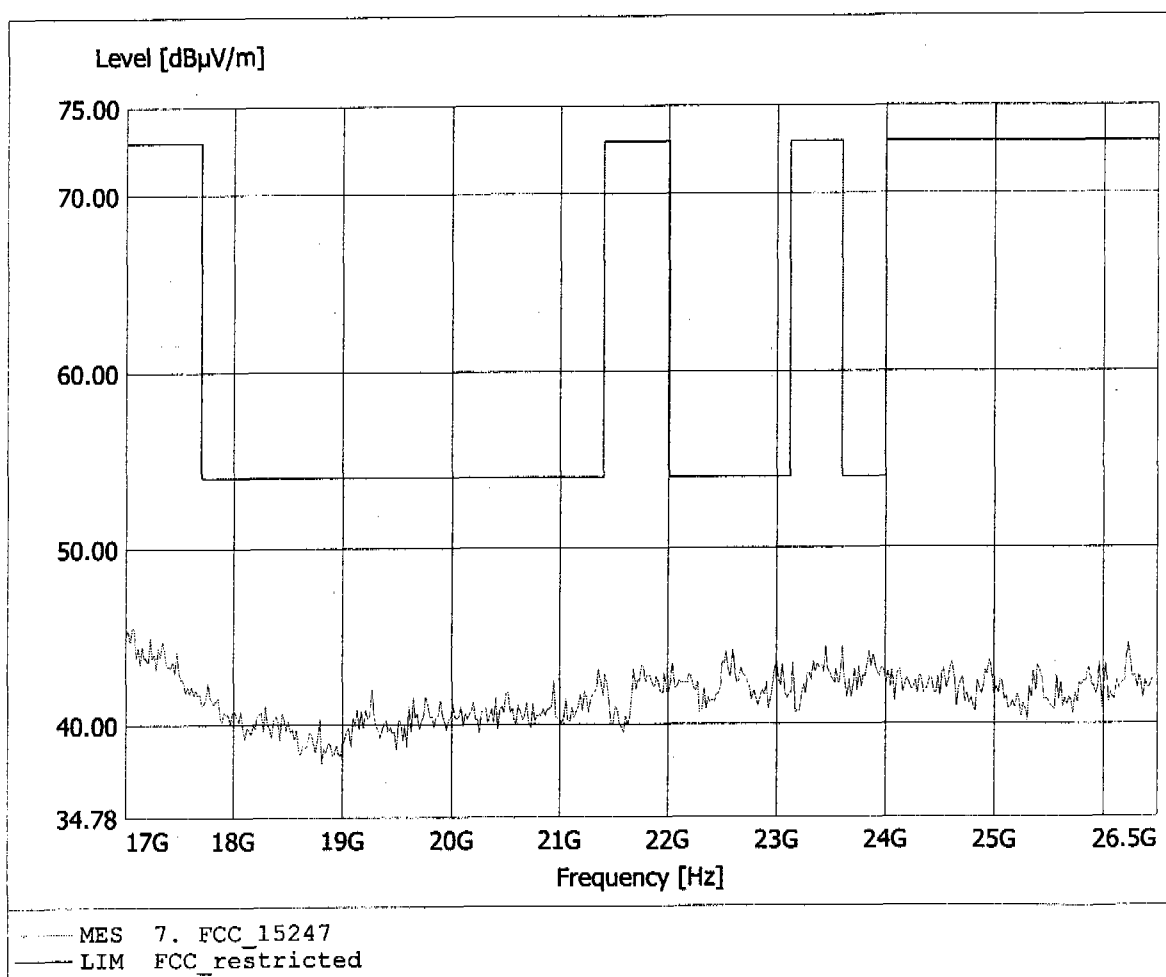
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2441 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.000GHz, Emax: 45.95dBμV/m, RBW: 1MHz



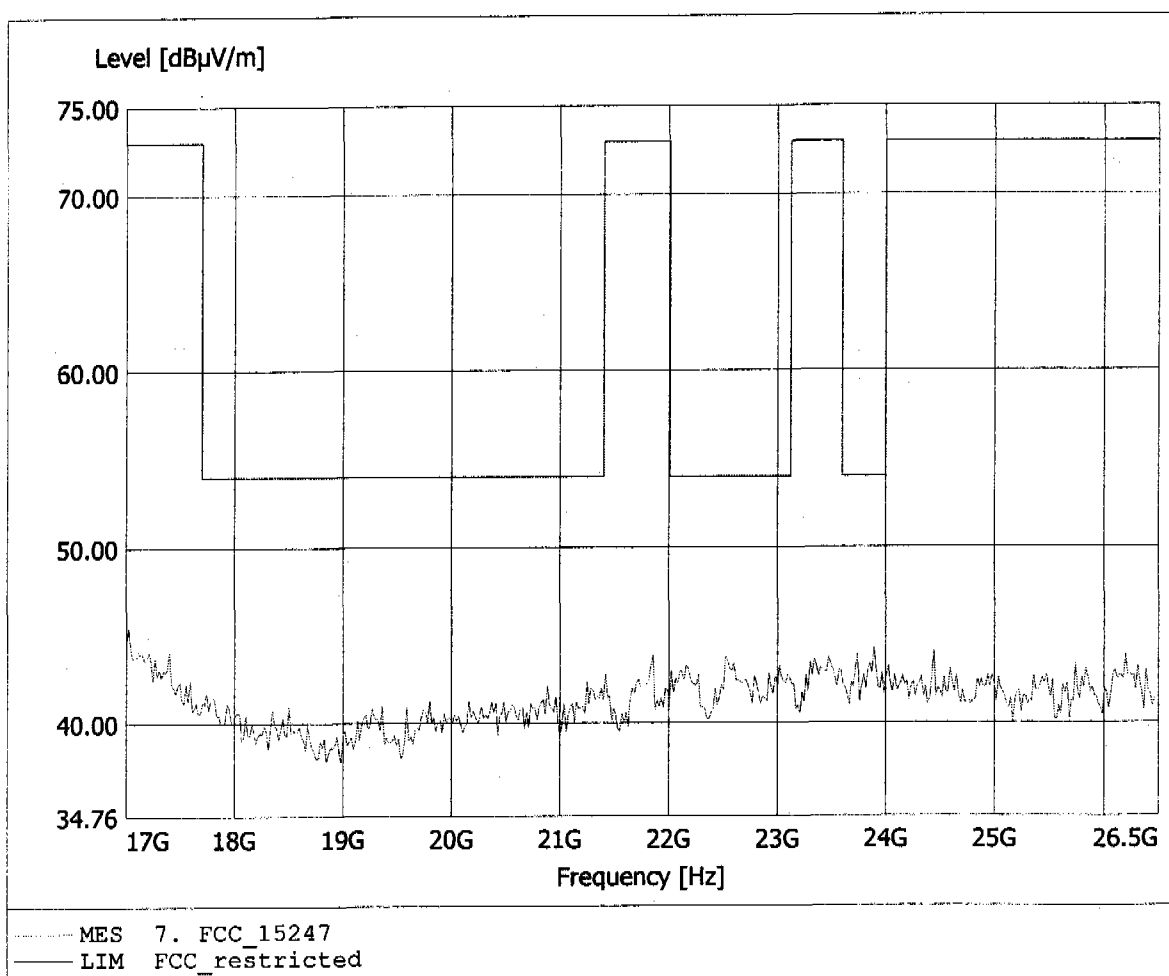
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2480 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.057GHz, Emax: 45.48dBμV/m, RBW: 1MHz



Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: Bluetooth Headset / Pmax / 2480 MHz
Model: Jabra FREESPEAK 250
Approval Holder: GN Netcom
Operating Condition: Tnom: 23°C / Unom: 3.6V DC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.019GHz, Emax: 45.53dBµV/m, RBW: 1MHz



Appendix D

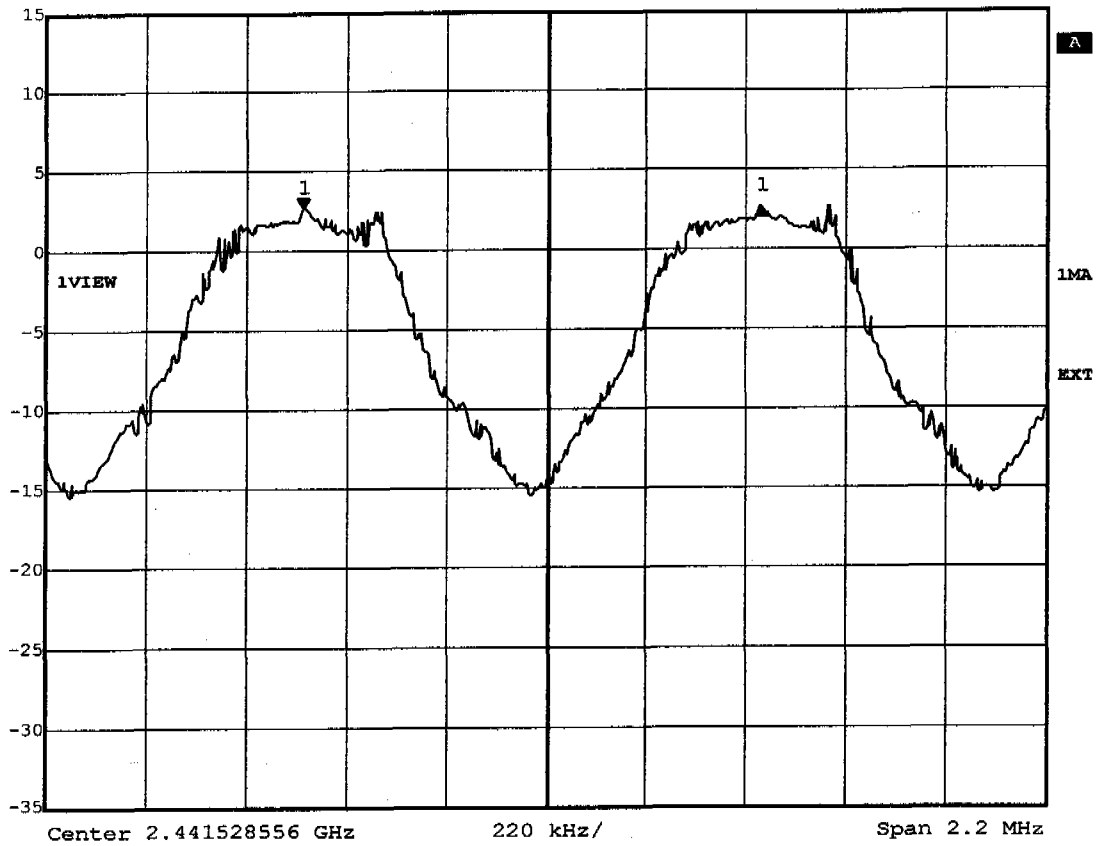
Spurious Emissions conducted - Transmitter operating

Appendix E

Carrier Frequency Separation



Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl -0.04 dB VBW 100 kHz
15 dBm 1.00961924 MHz SWT 5 ms Unit dBm



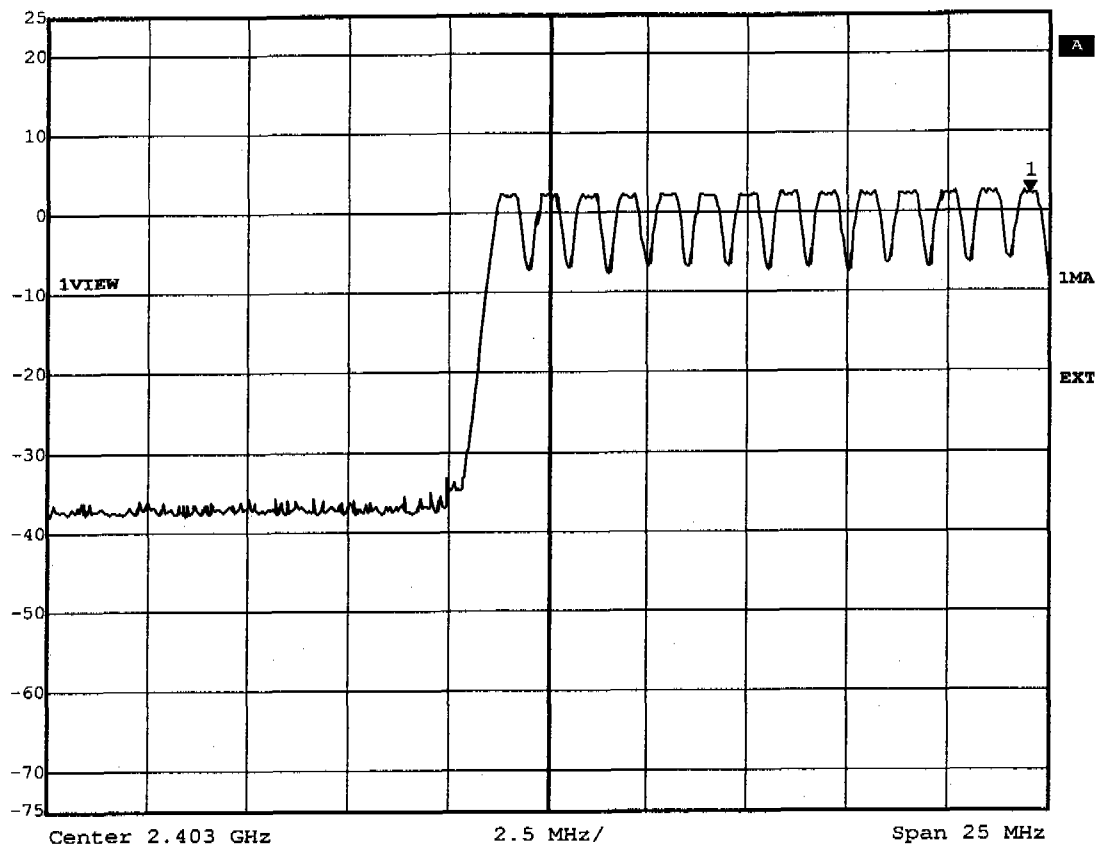
Title: Carrier Frequency Separation
Comment A: GN Netcom Bluetooth Headset Jabra FREESPEAK 250
Date: 7.AUG.2003 11:34:39

Appendix F

Number of Hopping Frequencies



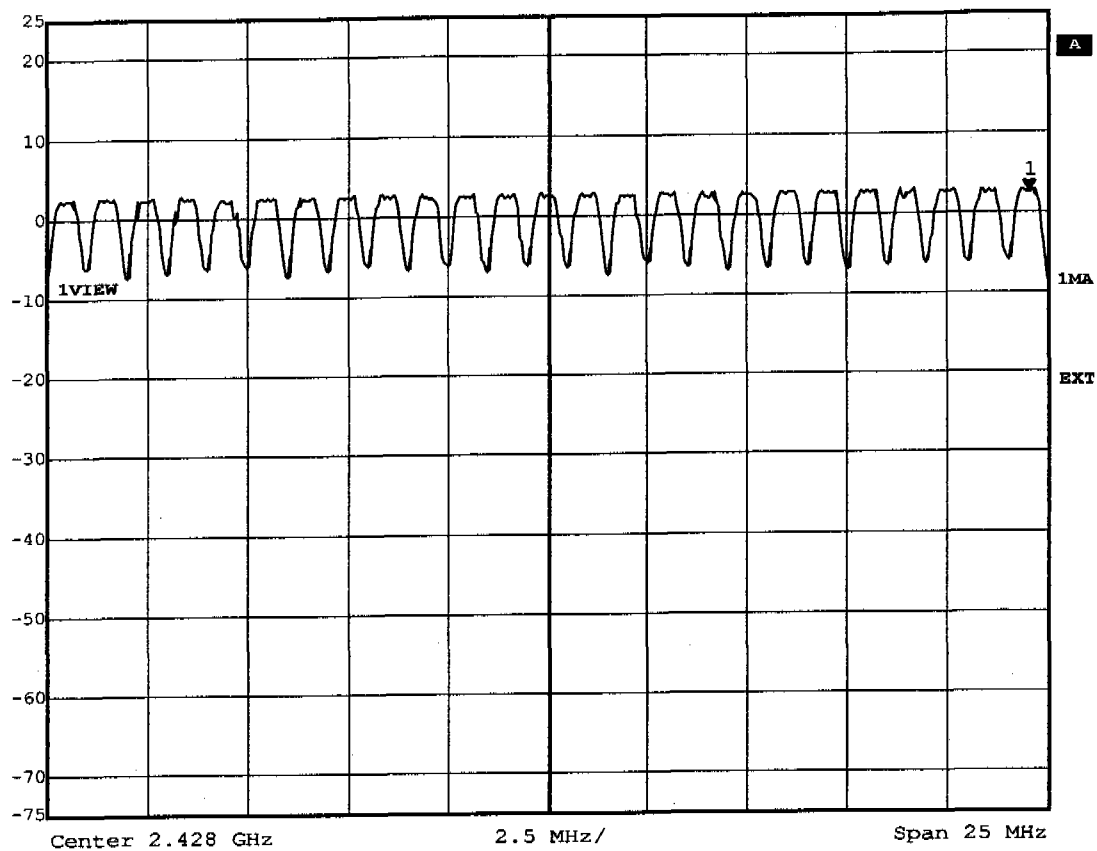
Marker 1 [T1] RBW 300 kHz RF Att 50 dB
Ref Lvl 2.12 dBm VBW 300 kHz
25 dBm 2.41504910 GHz SWT 5 ms Unit dBm



Title: Number of Hopping Frequencies Ch.: 0-13
Comment A: GN Netcom Bluetooth Headset Jabra FREESPEAK 250
Date: 8.AUG.2003 07:35:27



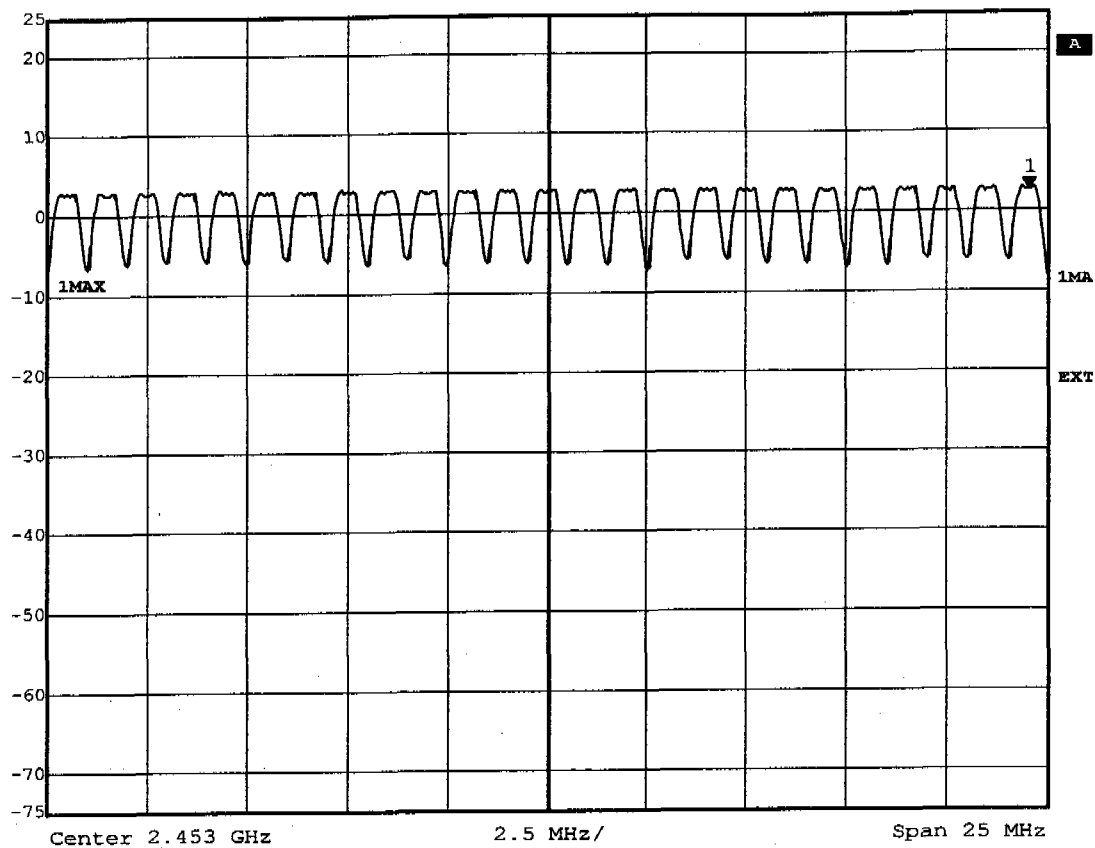
Marker 1 [T1] RBW 300 kHz RF Att 50 dB
Ref Lvl 2.42 dBm VBW 300 kHz
25 dBm 2.44004910 GHz SWT 5 ms Unit dBm



Title: Number of Hopping Frequencies Ch.: 14-38
Comment A: GN Netcom Bluetooth Headset Jabra FREESPEAK 250
Date: 8.AUG.2003 07:37:22



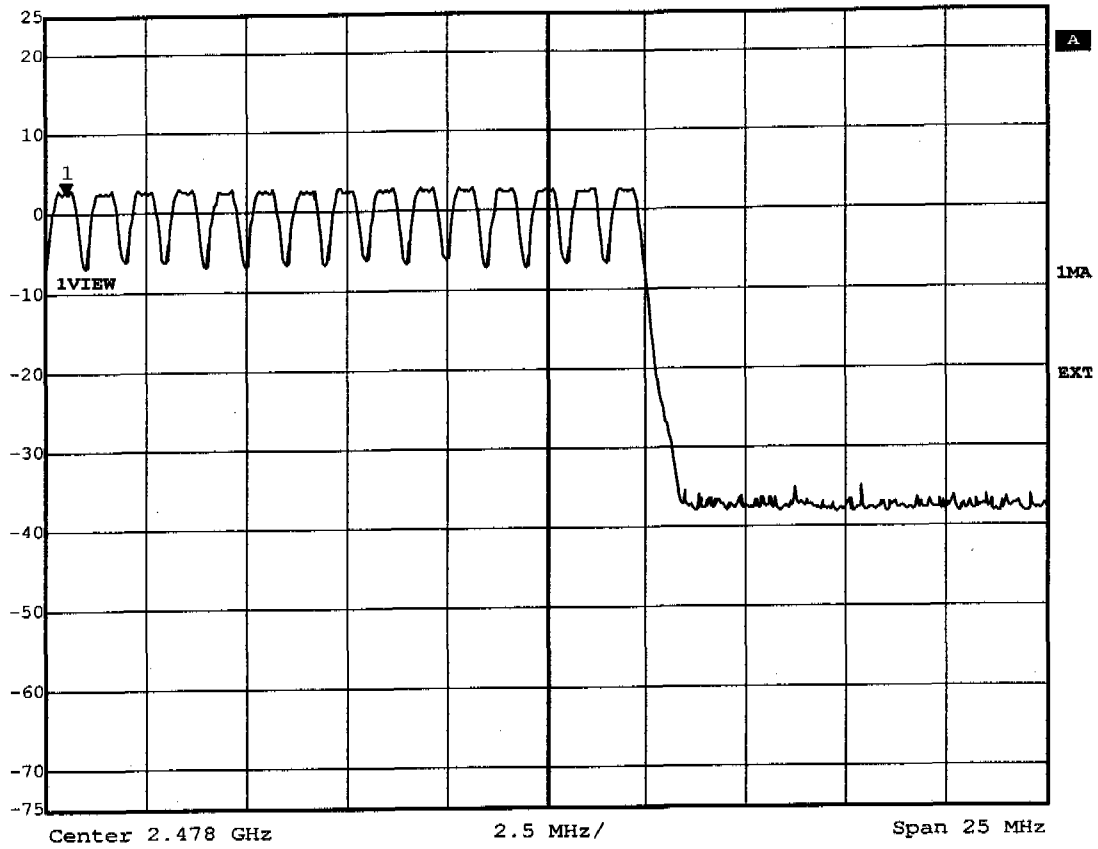
Marker 1 [T1] RBW 300 kHz RF Att 50 dB
Ref Lvl 2.35 dBm VBW 300 kHz
25 dBm 2.46504910 GHz SWT 5 ms Unit dBm



Title: Number of Hopping Frequencies Ch.: 39-63
Comment A: GN Netcom Bluetooth Headset Jabra FREESPEAK 250
Date: 8.AUG.2003 07:40:09



Marker 1 [T1] RBW 300 kHz RF Att 50 dB
Ref Lvl 2.36 dBm VBW 300 kHz
25 dBm 2.46600100 GHz SWT 5 ms Unit dBm

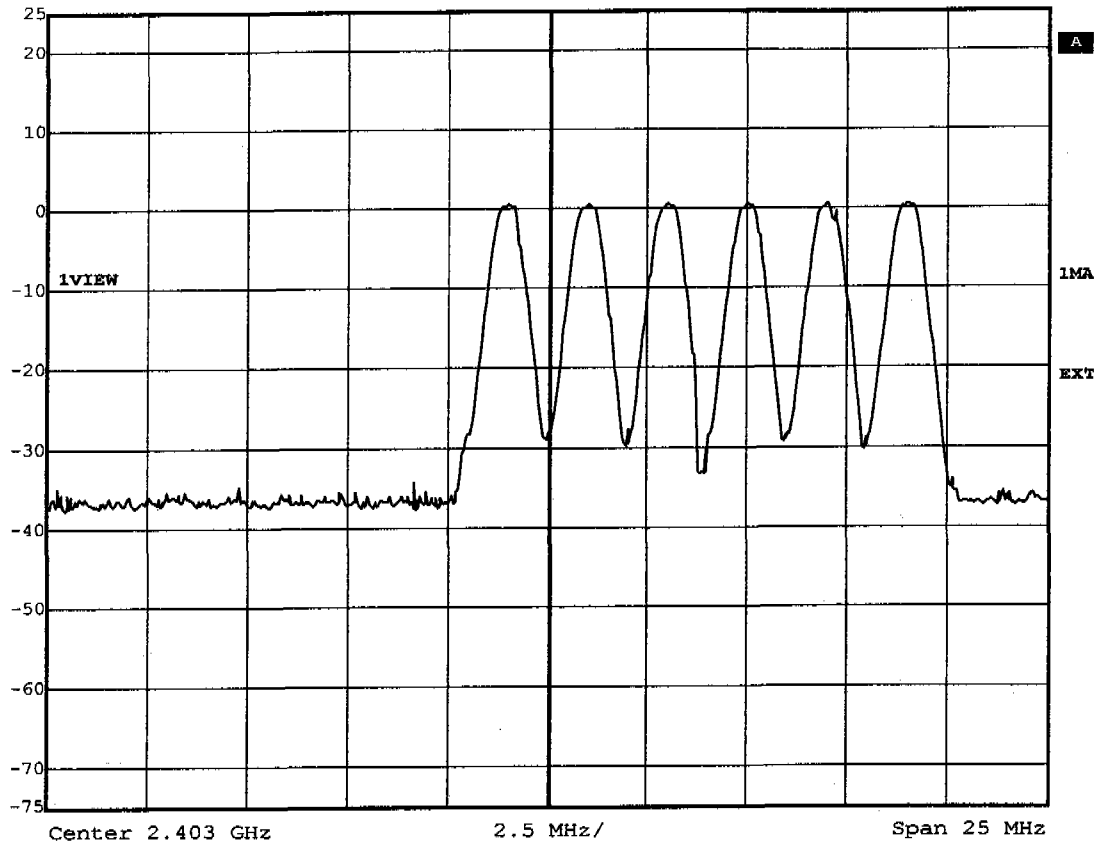


Title: Number of Hopping Frequencies Ch.: 64-78
Comment A: GN Netcom Bluetooth Headset Jabra FREESPEAK 250
Date: 8.AUG.2003 07:42:30



Ref Lvl
25 dBm

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

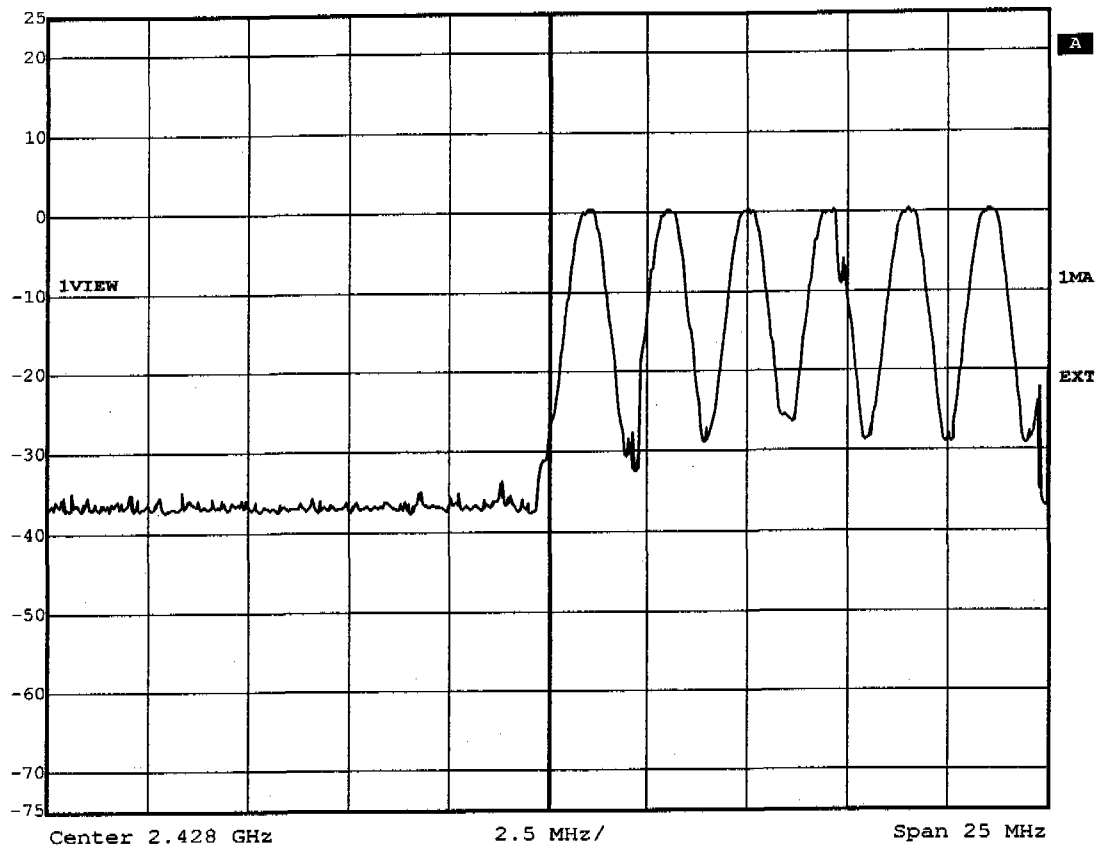


Title: Number of Hopping Frequencies (Inquiry Mode)
Comment A: GN Netcom Bluetooth Headset Jabra FREESPEAK 250
Date: 7.AUG.2003 14:30:43



Ref Lvl
25 dBm

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

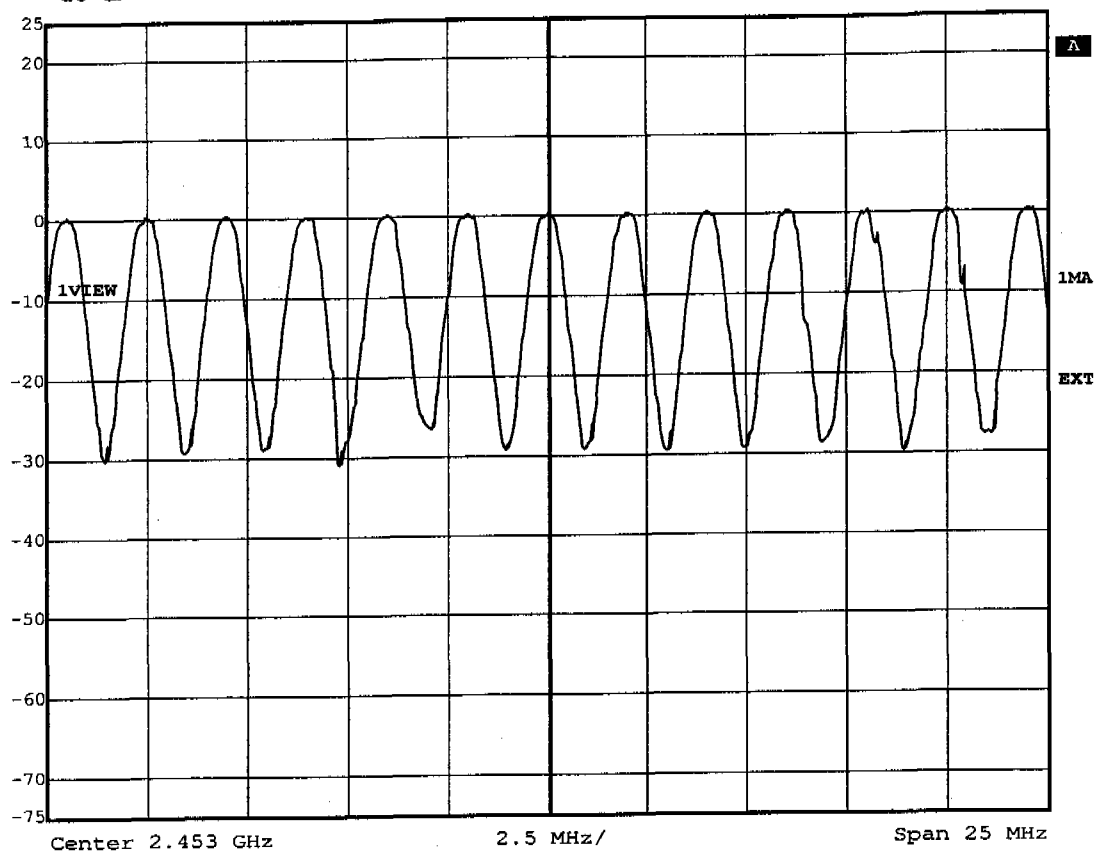


Title: Number of Hopping Frequencies (Inquiry Mode)
Comment A: GN Netcom Bluetooth Headset Jabra FREESPEAK 250
Date: 7.AUG.2003 14:33:02



Ref Lvl
25 dBm

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

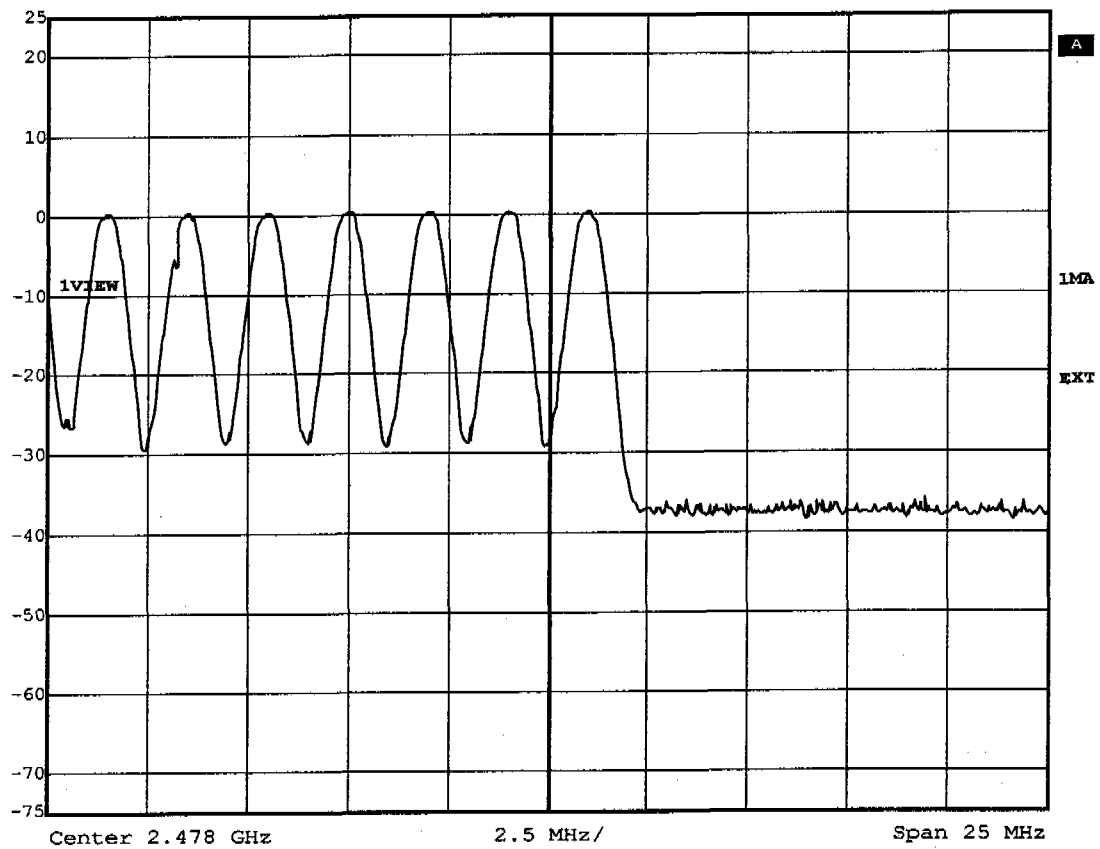


Title: Number of Hopping Frequencies (Inquiry Mode)
Comment A: GN Netcom Bluetooth Headset Jabra FREESPEAK 250
Date: 7.AUG.2003 14:35:28



Ref Lvl
25 dBm

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



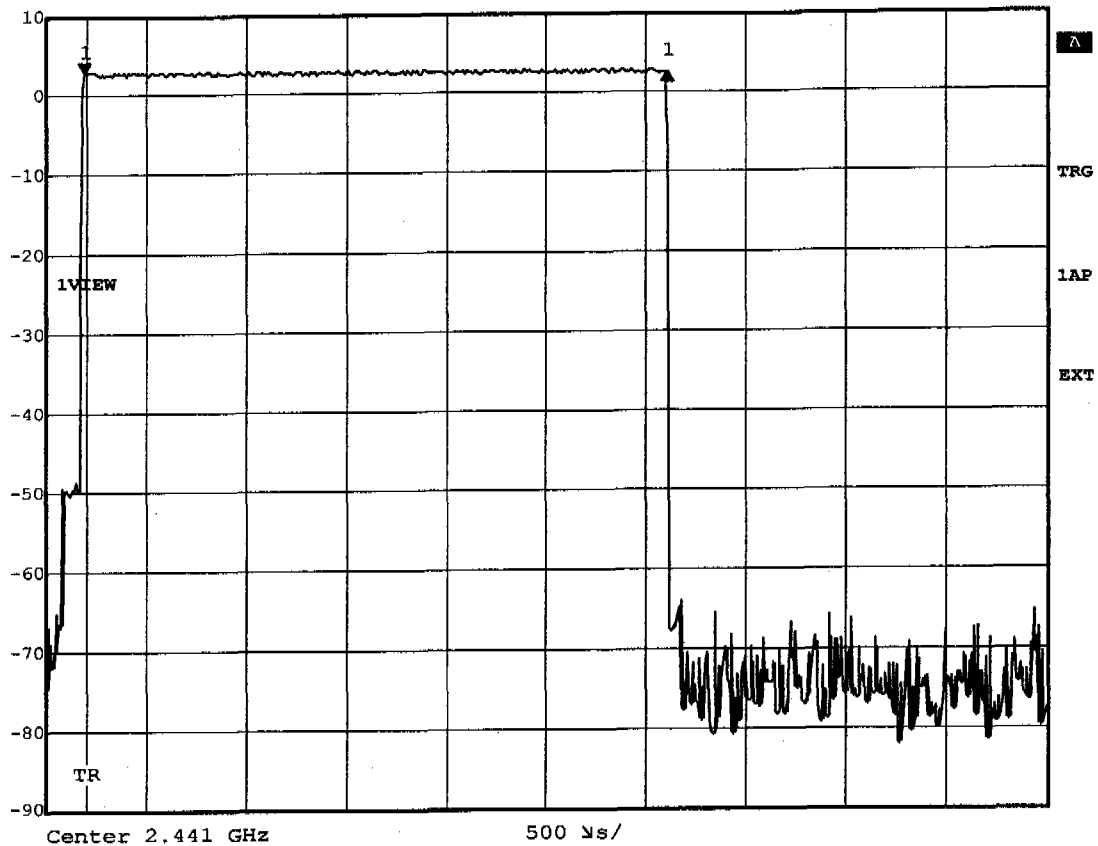
Title: Number of Hopping Frequencies (Inquiry Mode)
Comment A: GN Netcom Bluetooth Headset Jabra FREESPEAK 250
Date: 7.AUG.2003 14:37:52

Appendix G

Time of Occupancy (Dwell Time)



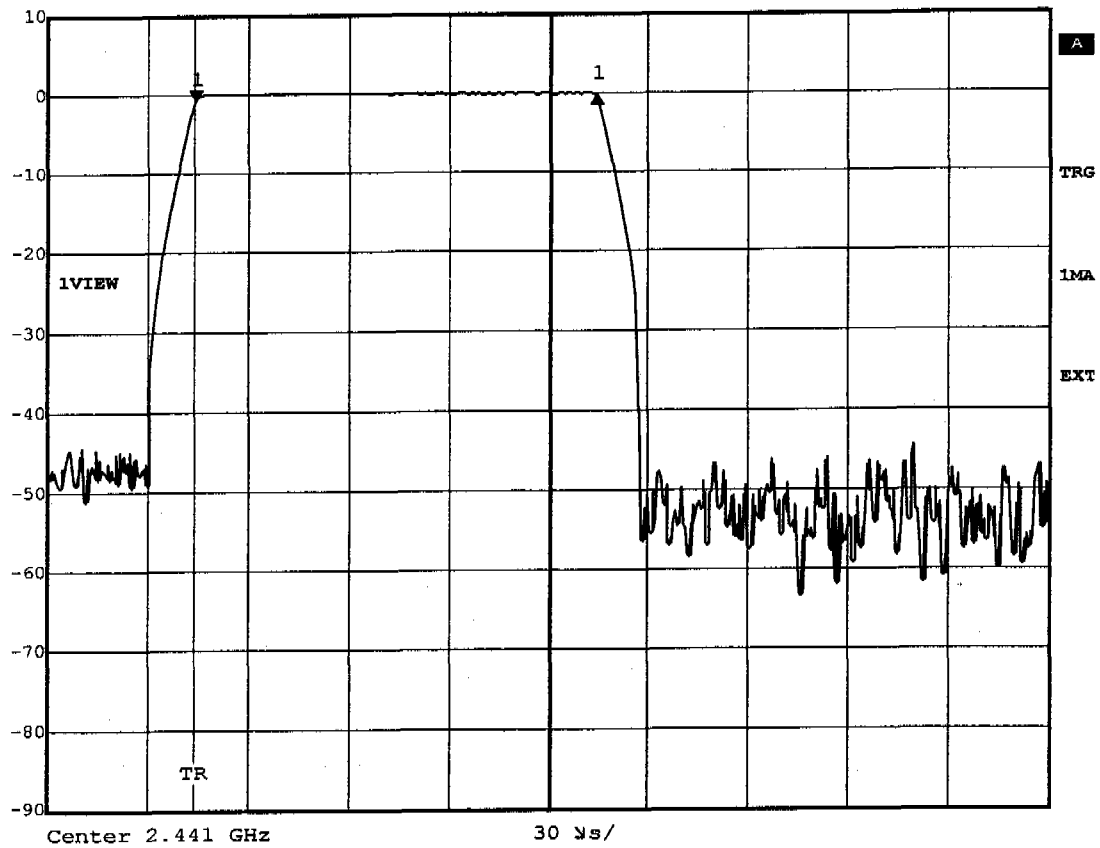
Delta 1 [T1] REW 1 MHz RF Att 20 dB
Ref Lvl -0.26 dB VBW 1 MHz
10 dBm 2.912689 ms SWT 5 ms Unit dBm



Title: Time of occupancy (Hopping DH5) 63 events * 2.913ms=183.52ms
Comment A: GN Netcom Bluetooth Headset Jabra FREESPEAK 250
Date: 7.AUG.2003 13:20:29



Delta 1 [T1] RBW 1 MHz RF Att 40 dB
Ref Lvl 0.28 dB VBW 1 MHz
10 dBm 119.913026 μ s SWT 300 μ s Unit dBm



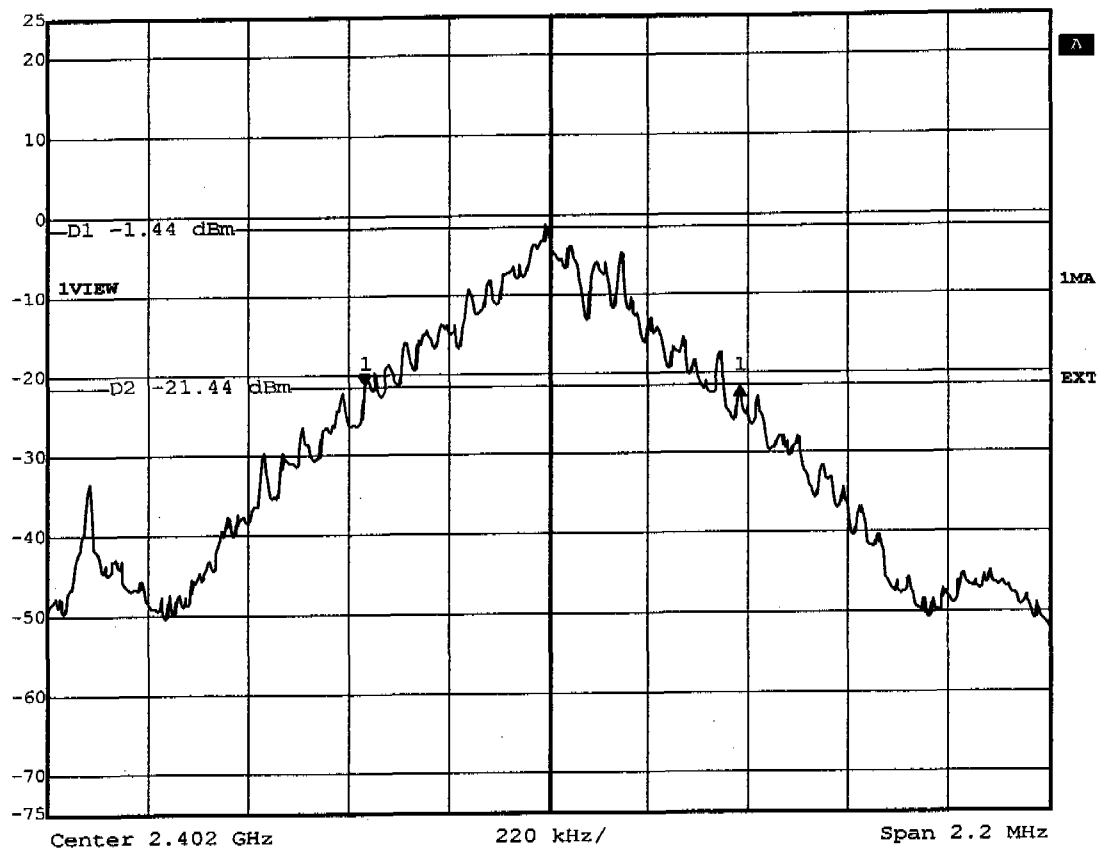
Title: Time of occupancy (Inquiry mode) 632 events * 0.12ms=75.8ms
Comment A: GN Netcom Bluetooth Headset Jabra FREESPEAK 250
Date: 7.AUG.2003 14:06:08

Appendix H

20dB Bandwidth



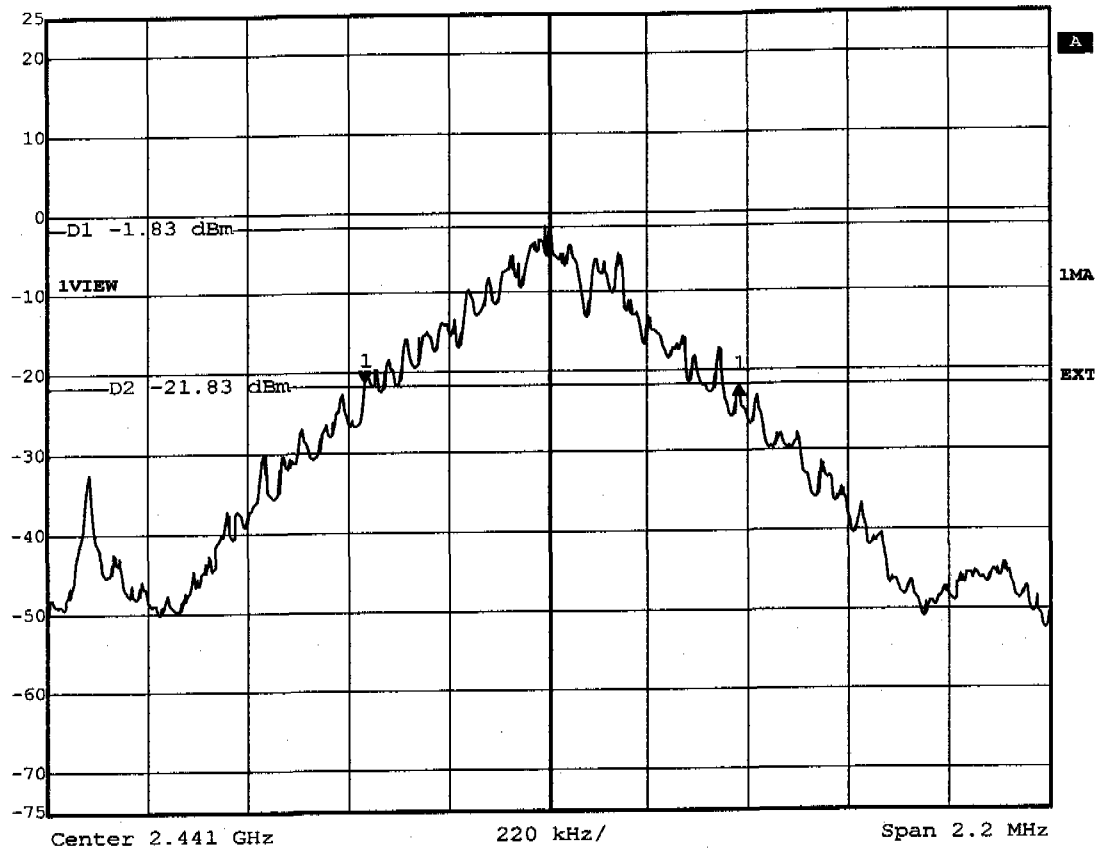
Delta 1 [T1] RBW 10 kHz RF Att 50 dB
Ref Lvl -0.28 dB VBW 10 kHz
25 dBm 824.44889779 kHz SWT 56 ms Unit dBm



Title: -20dB Bandwidth Ch.: 0
Comment A: GN Netcom Bluetooth Headset Jabra FREESPEAK 250
Date: 7.AUG.2003 10:38:20



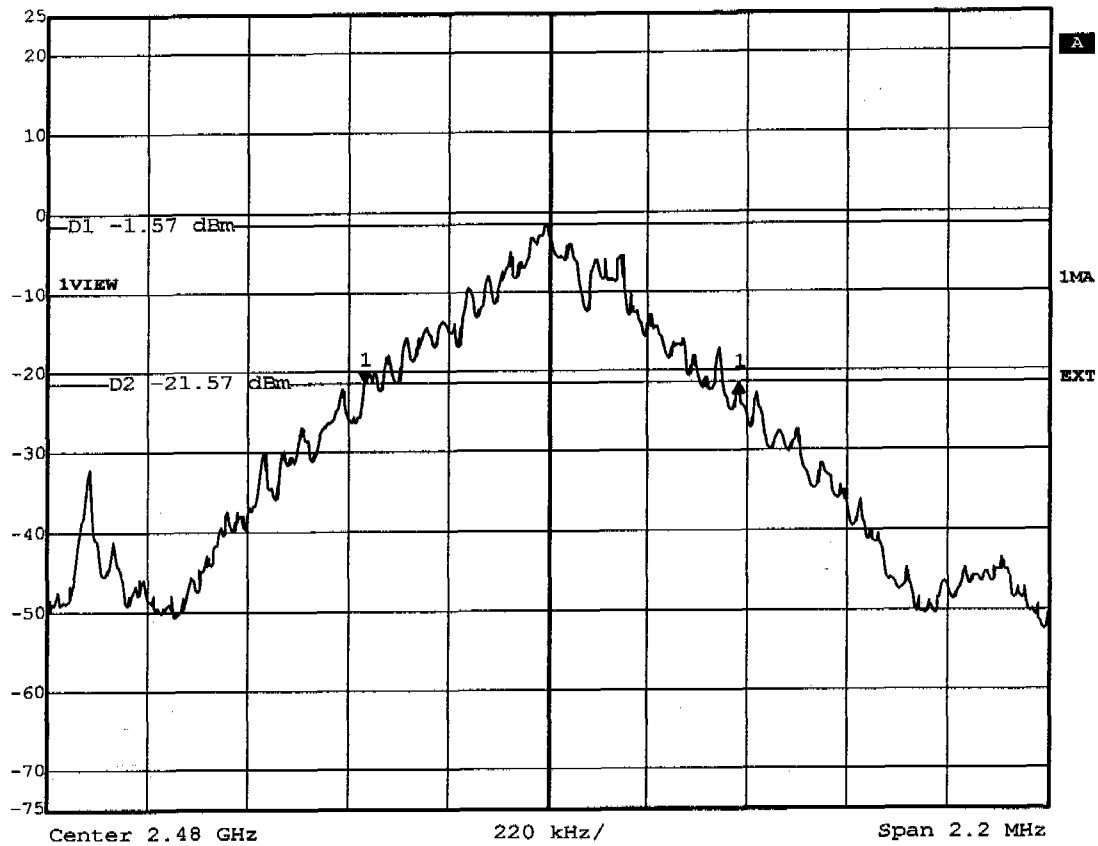
Delta 1 [T1] RBW 10 kHz RF Att 50 dB
Ref Lvl -0.58 dB VBW 10 kHz
25 dBm 824.44889779 kHz SWT 56 ms Unit dBm



Title: -20dB Bandwidth Ch.: 39
Comment A: GN Netcom Bluetooth Headset Jabra FREESPEAK 250
Date: 7.AUG.2003 10:40:23



Delta 1 [T1] RBW 10 kHz RF Att 50 dB
Ref Lvl -0.37 dB VBW 10 kHz
25 dBm 824.44889780 kHz SWT 56 ms Unit dBm



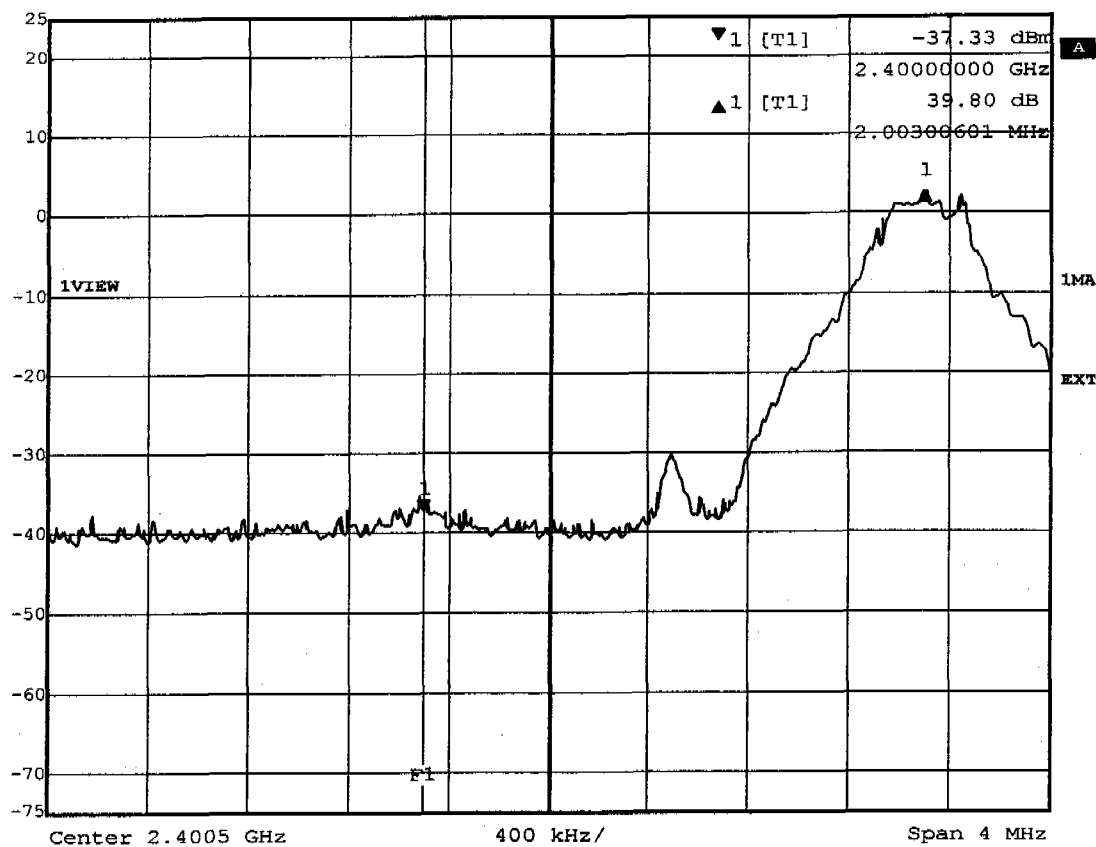
Title: -20dB Bandwidth Ch.: 78
Comment A: GN Netcom Bluetooth Headset Jabra FREESPEAK 250
Date: 7.AUG.2003 10:42:16

Appendix I

Band-edge Compliance of RF Emissions



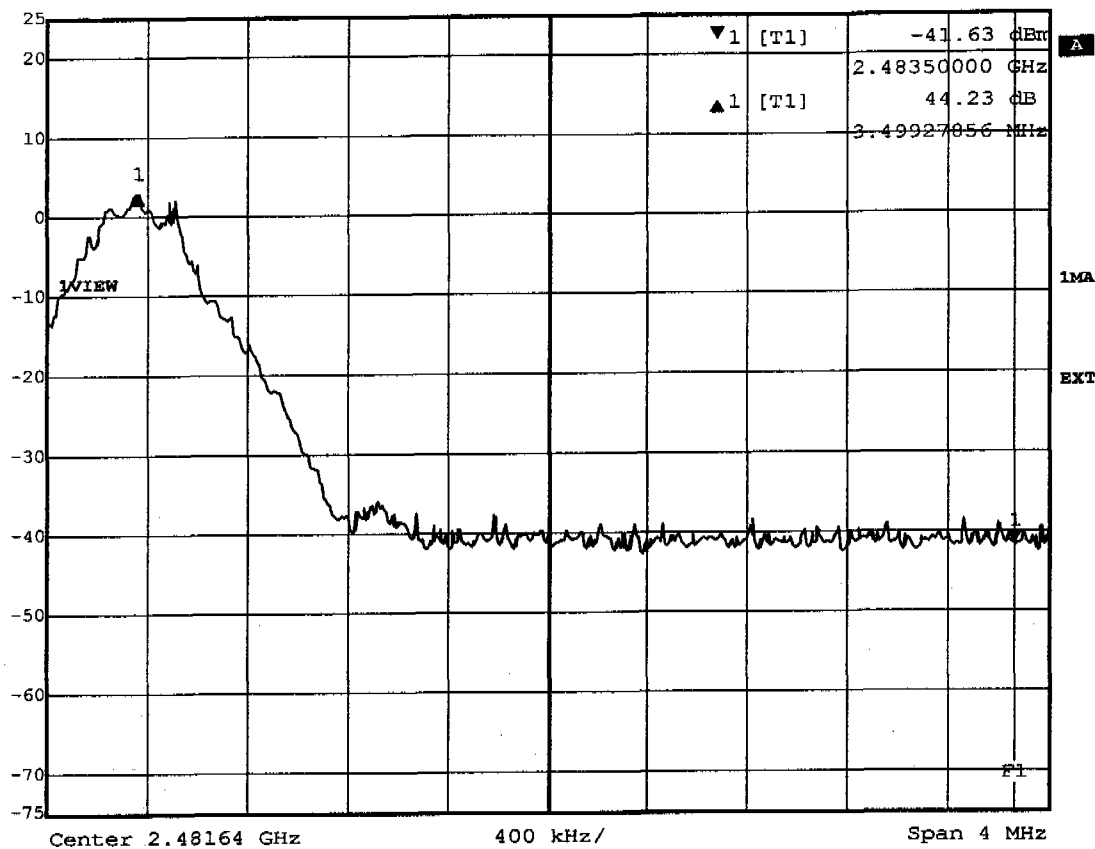
Delta 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl 39.80 dB VBW 50 kHz
25 dBm 2.00300601 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, single frequency)
Comment A: GN Netcom Bluetooth Headset Jabra FREESPEAK 250
Date: 7.AUG.2003 10:46:54



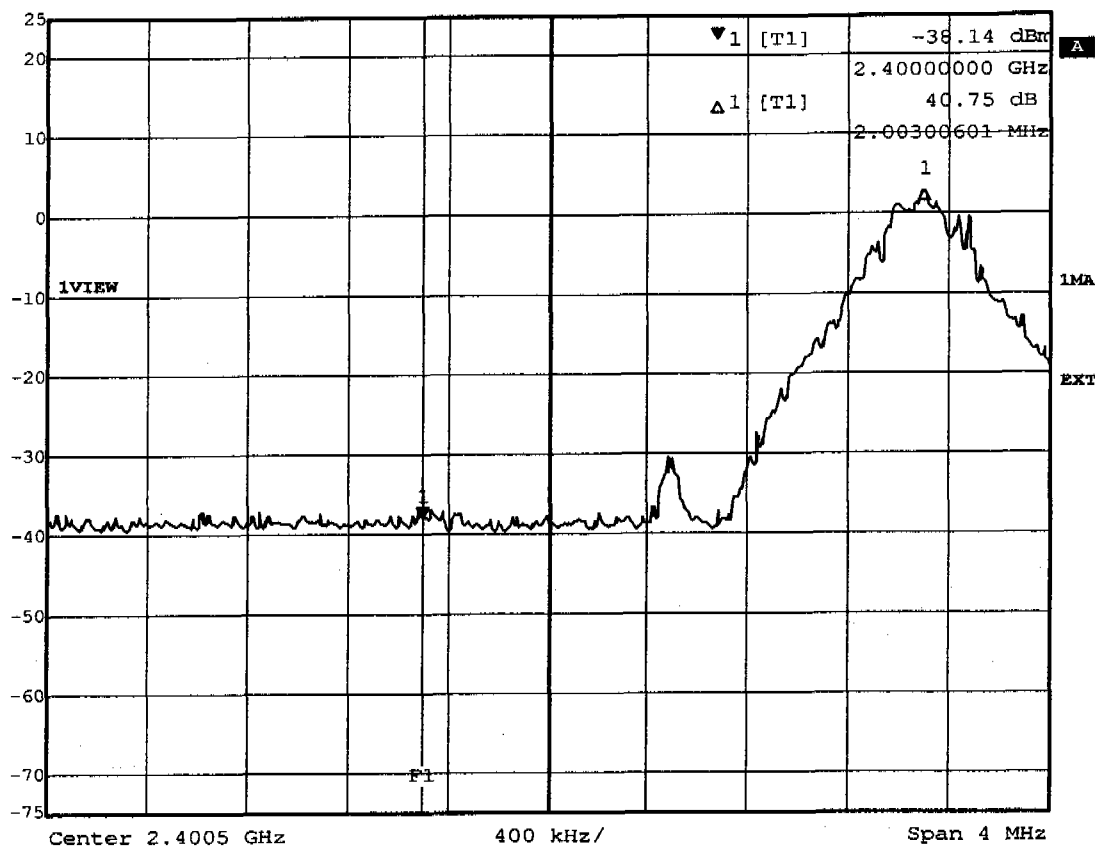
Delta 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl 44.23 dB VBW 50 kHz
25 dBm -3.49927856 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, single frequency)
Comment A: GN Netcom Bluetooth Headset Jabra FREESPEAK 250
Date: 7.AUG.2003 10:49:15



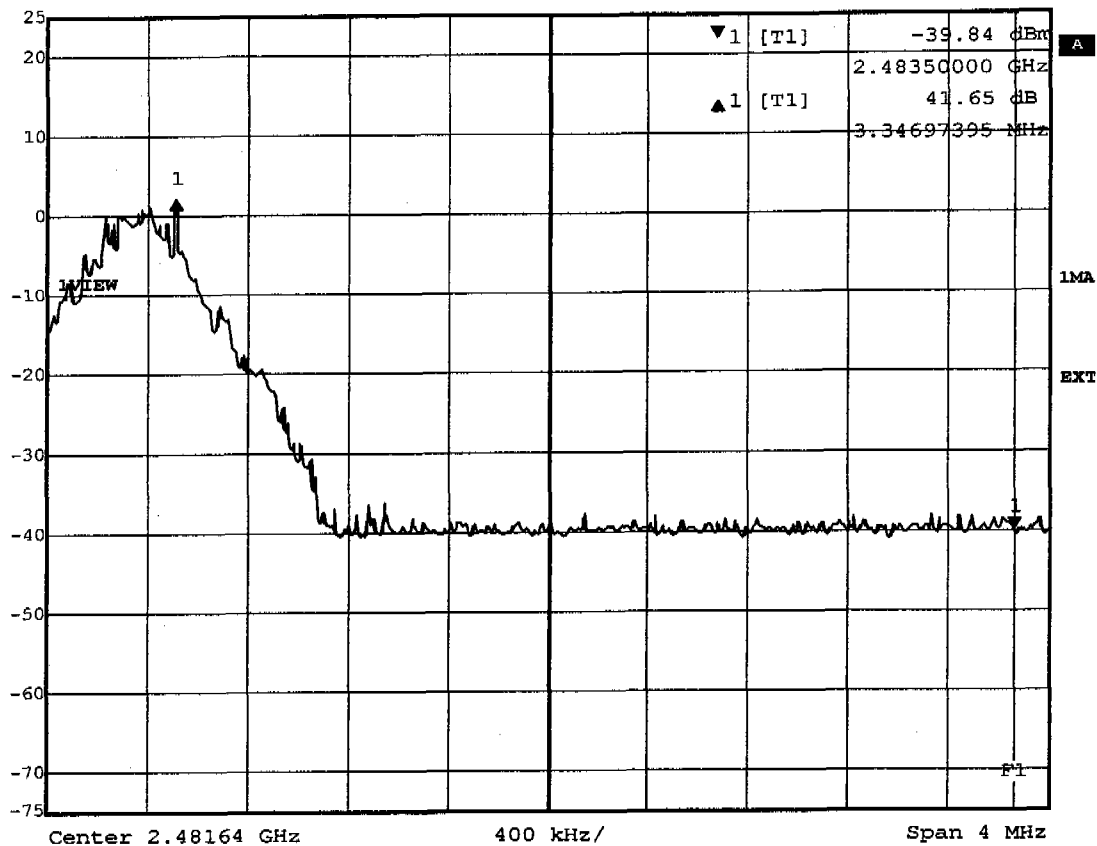
Marker 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl -38.14 dBm VBW 50 kHz
25 dBm 2.40000000 GHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, hopping mode)
Comment A: GN Netcom Bluetooth Headset Jabra FREESPEAK 250
Date: 7.AUG.2003 11:17:11



Delta 1 [T1] RBW 50 kHz RF Att 50 dB
Ref Lvl 41.65 dB VBW 50 kHz
25 dBm -3.34697395 MHz SWT 5 ms Unit dBm



Title: Band-edge Compliance (conducted, hopping mode)
Comment A: GN Netcom Bluetooth Headset Jabra FREESPEAK 250
Date: 7.AUG.2003 11:21:07

Appendix J

Conducted Measurement at (AC) Power Line

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

EUT: Bluetooth Headset
Manufacturer: GN Netcom
Operating Condition: Unom: 120VAC, Tnom: 23°C
Test Site: ETS
Operator: Mr. Marquardt
Test Specification: V-Network: ESH2-Z5 (L1)
Comment: model: Jabra FREESPEAK 250 mode: charging

