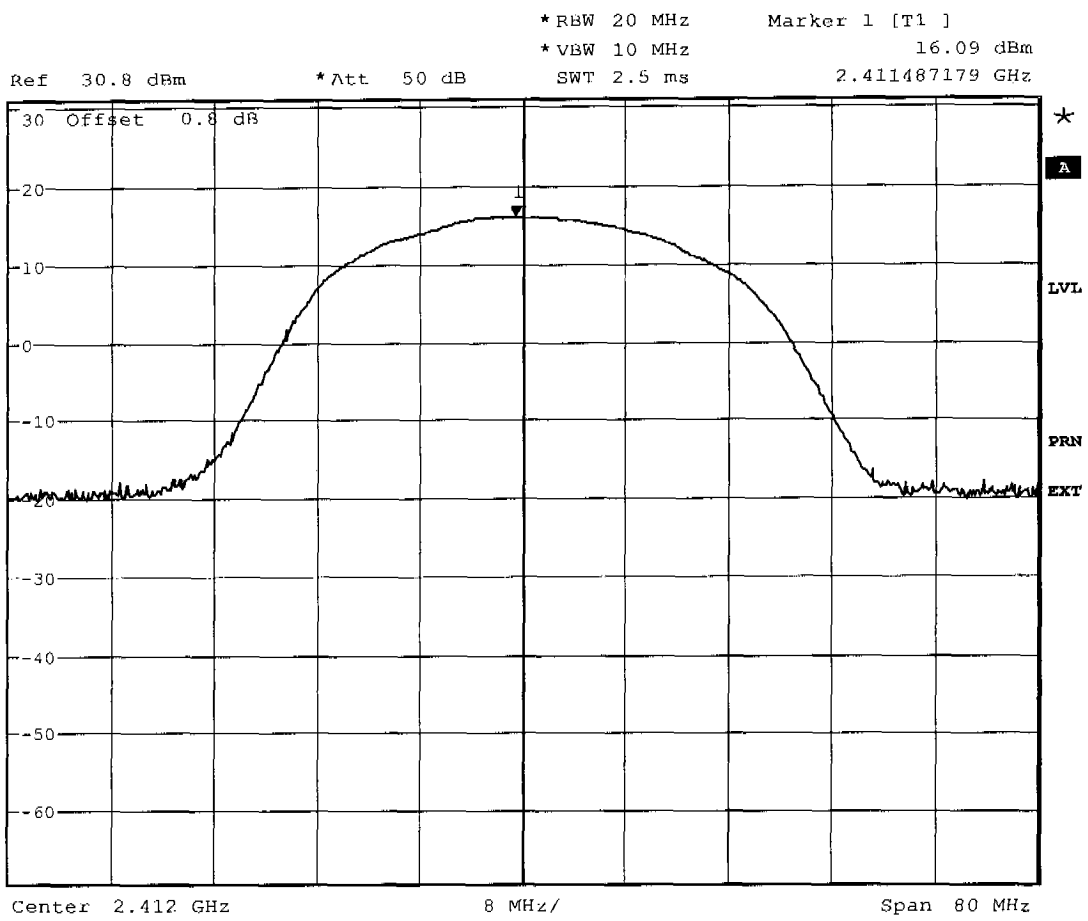


Appendix B

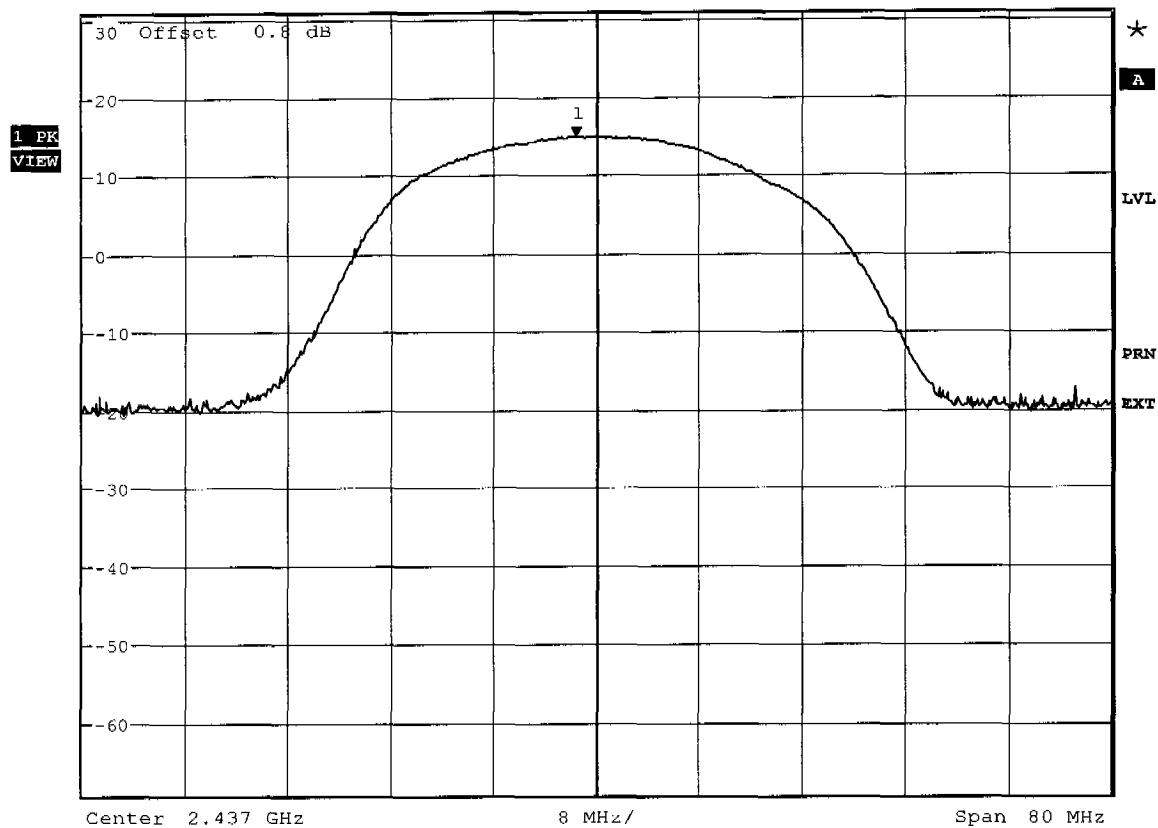
Peak Output Power



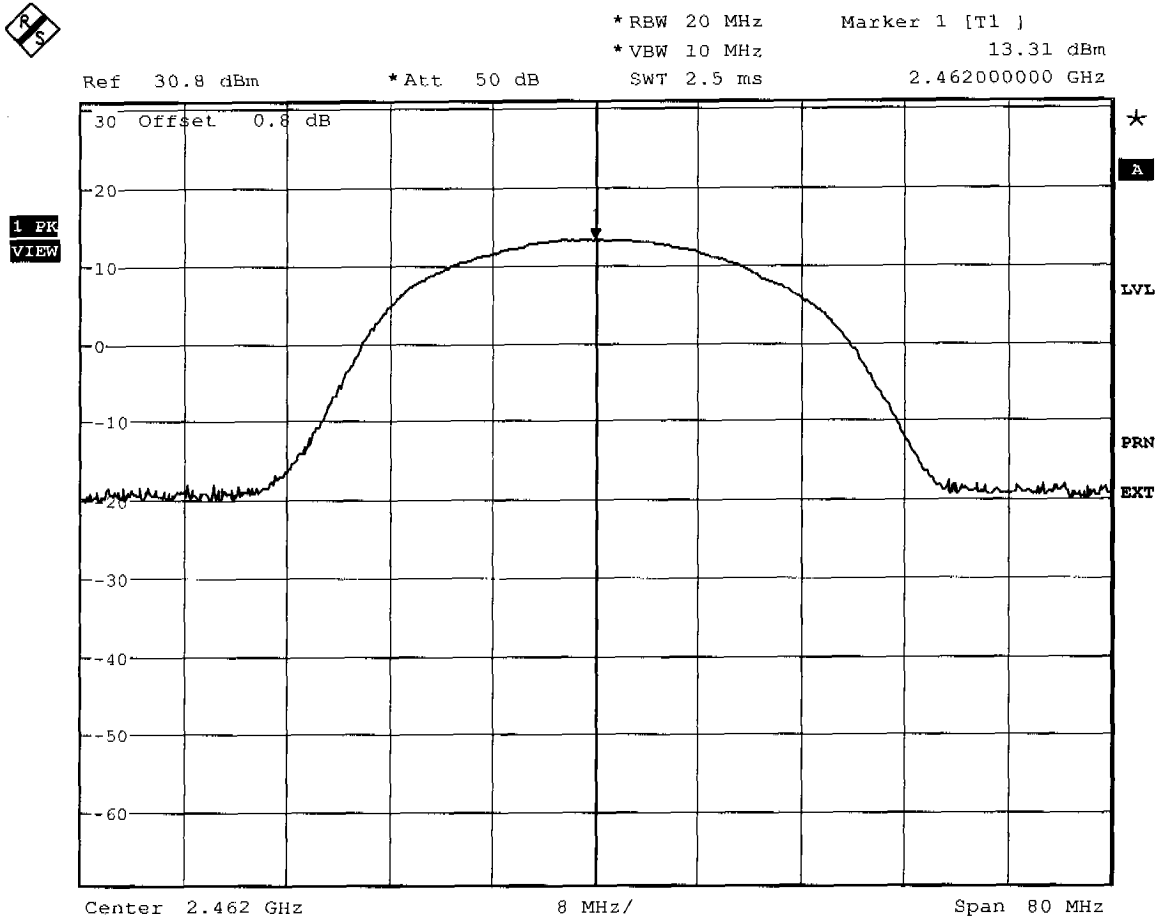
Comment A: Output Power Conducted 11Mb/s 100% Voltage
Date: 5.DEC.2003 08:52:30



Ref 30.8 dBm *Att 50 dB *RBW 20 MHz Marker 1 [T1] 14.82 dBm
*VBW 10 MHz 2.435461538 GHz
SWT 2.5 ms



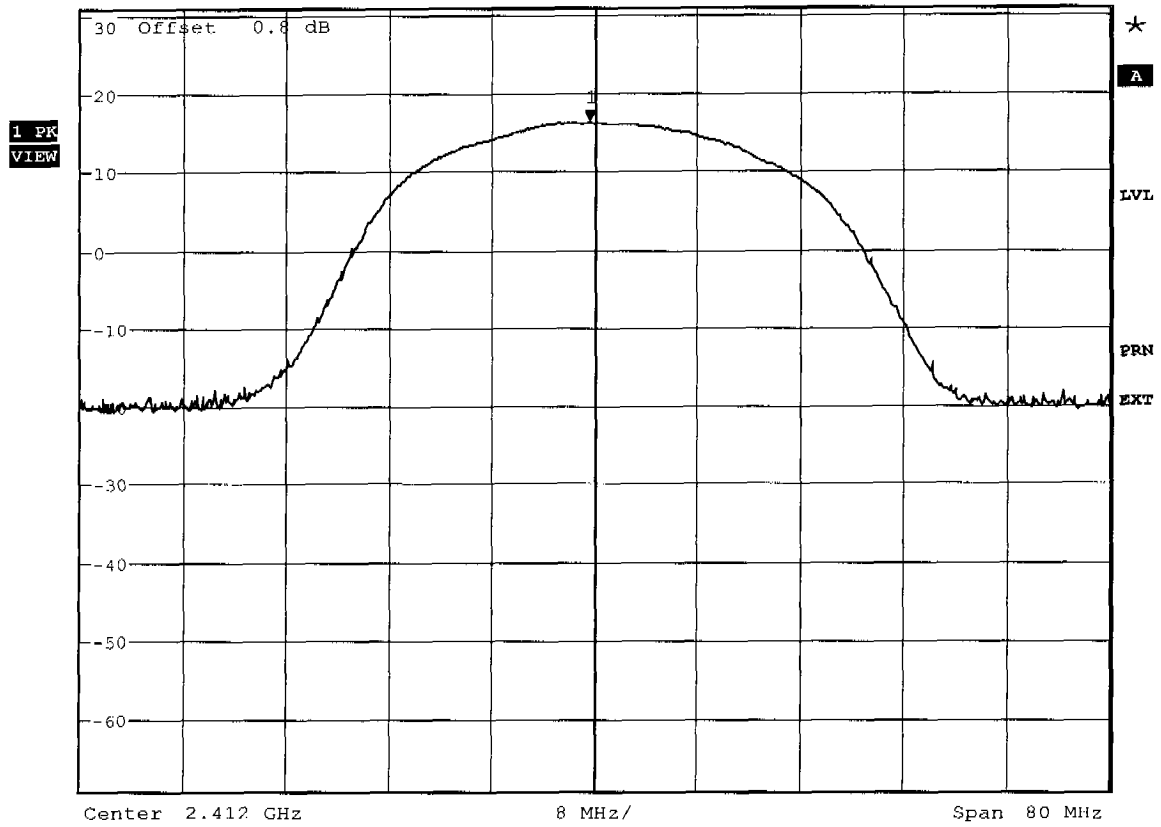
Comment A: Output Power Conducted 11Mb/s 100% Voltage
Date: 5.DEC.2003 08:51:42



Comment A: Output Power Conducted 11Mb/s 100% Voltage
Date: 5.DEC.2003 08:50:54



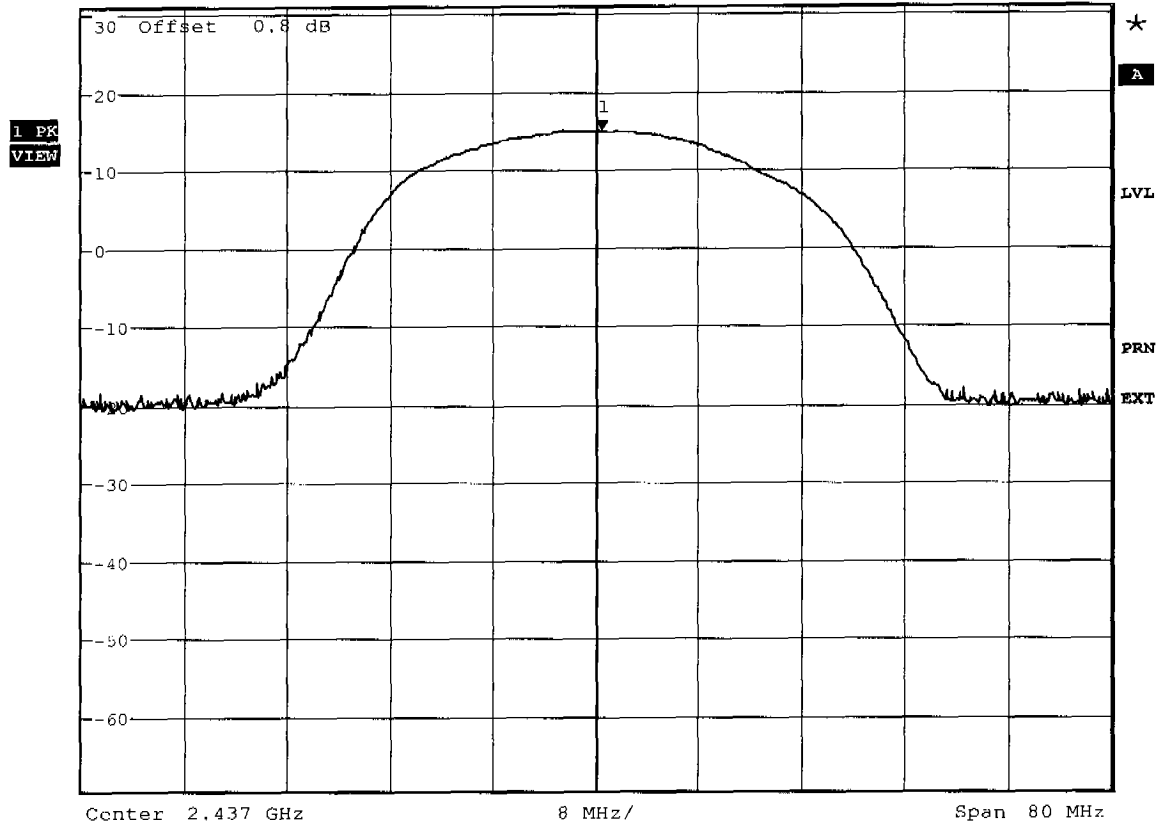
Ref 30.8 dBm *Att 50 dB *RBW 20 MHz Marker 1 [T1]
*VBW 10 MHz 16.14 dBm
SWT 2.5 ms 2.411615385 GHz



Comment A: Output Power Conducted 11Mb/s 85% Voltage
Date: 5.DEC.2003 09:16:45



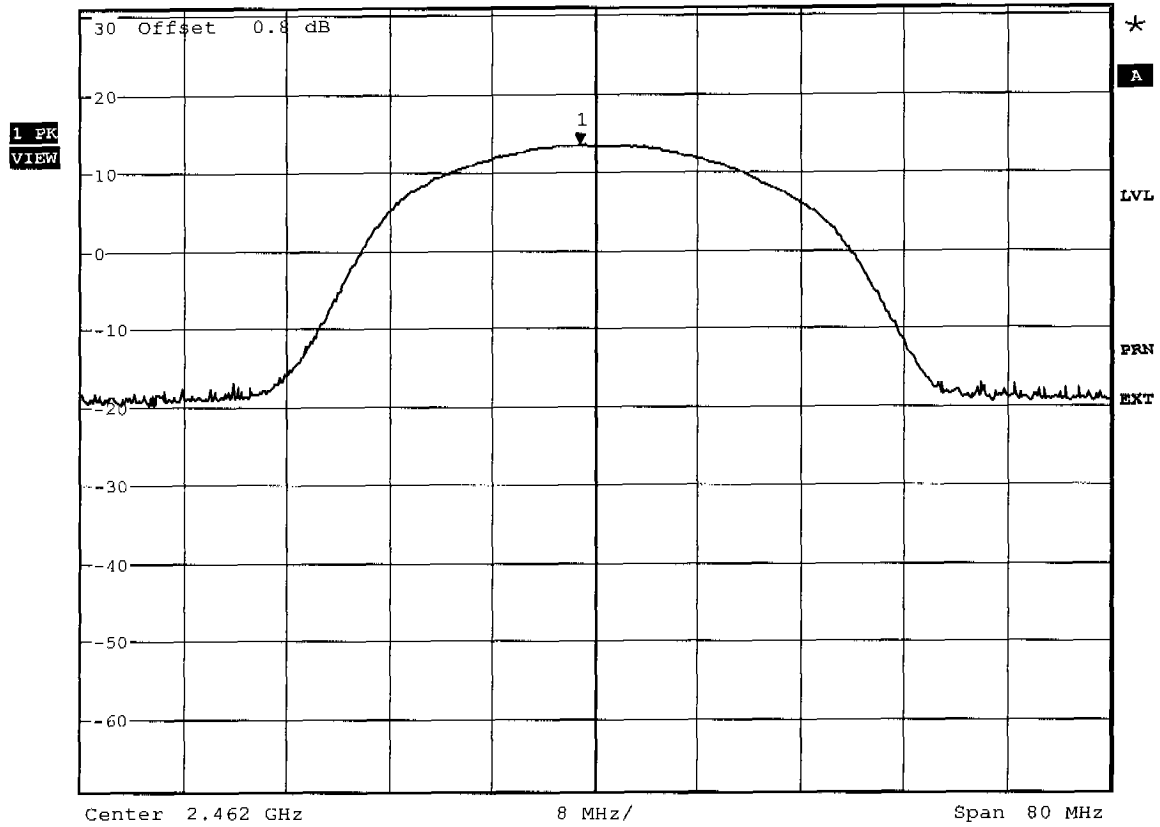
Ref 30.8 dBm *Att 50 dB *RBW 20 MHz Marker 1 [T1] 14.99 dBm
*VBW 10 MHz 2.437512821 GHz
SWT 2.5 ms



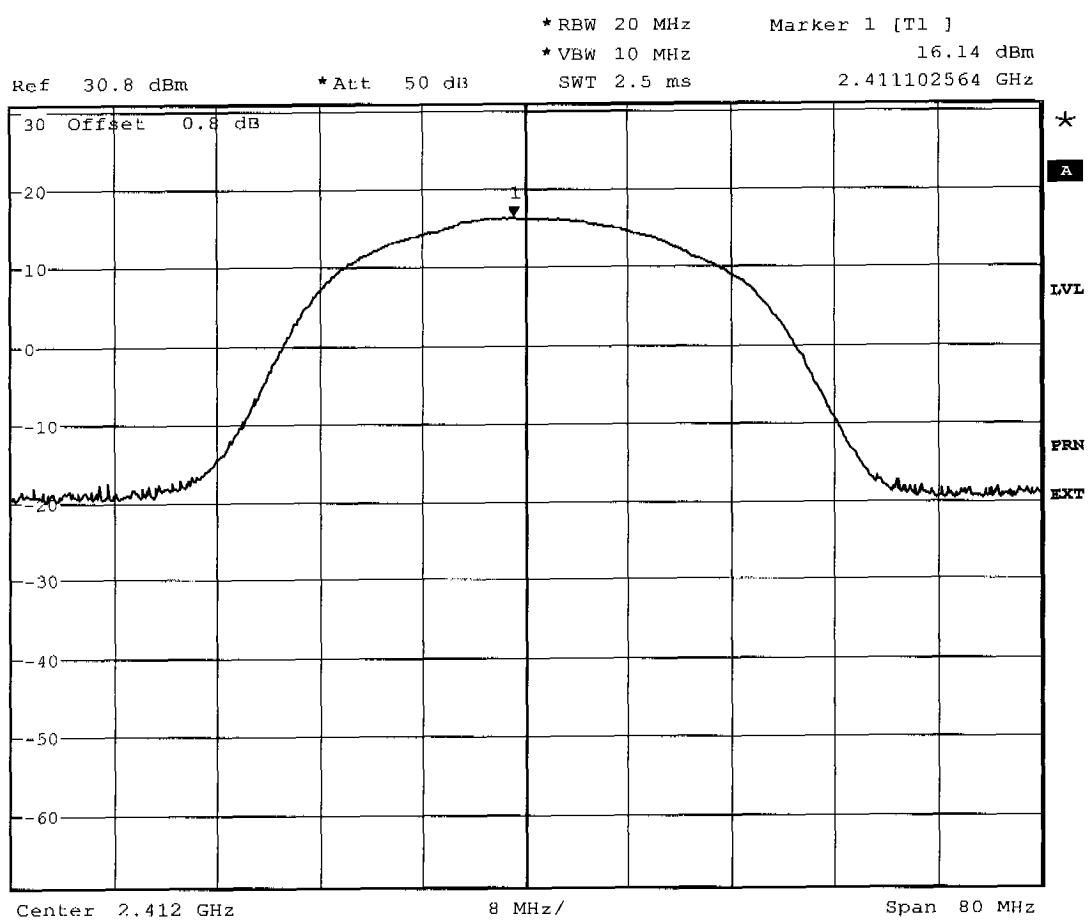
Comment A: Output Power Conducted 11Mb/s 85% Voltage
Date: 5.DEC.2003 09:16:04



Ref 30.8 dBm *Att 50 dB *RBW 20 MHz Marker 1 [T1] 13.49 dBm
*VBW 10 MHz 2.460846154 GHz
SWT 2.5 ms



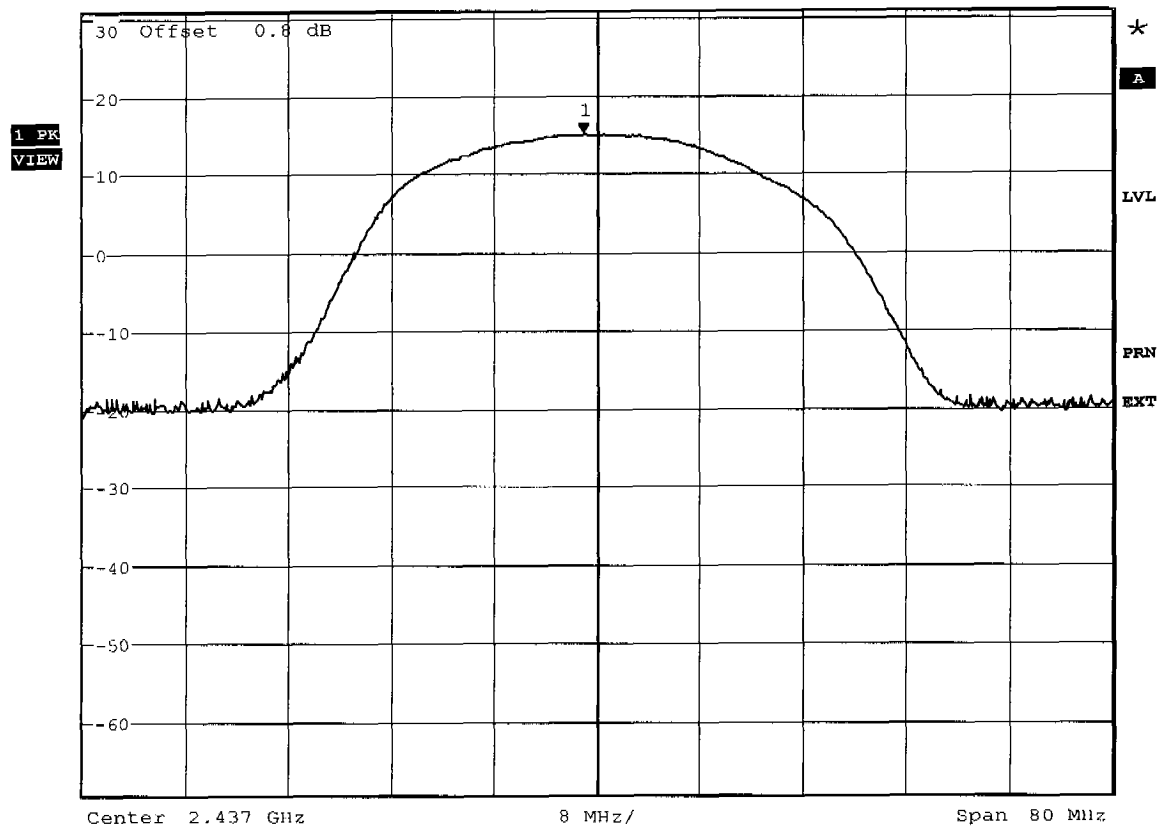
Comment A: Output Power Conducted 11Mb/s 85% Voltage
Date: 5.DEC.2003 09:15:29



Comment A: Output Power Conducted 11Mb/s 115% Voltage
Date: 5.DEC.2003 09:10:59



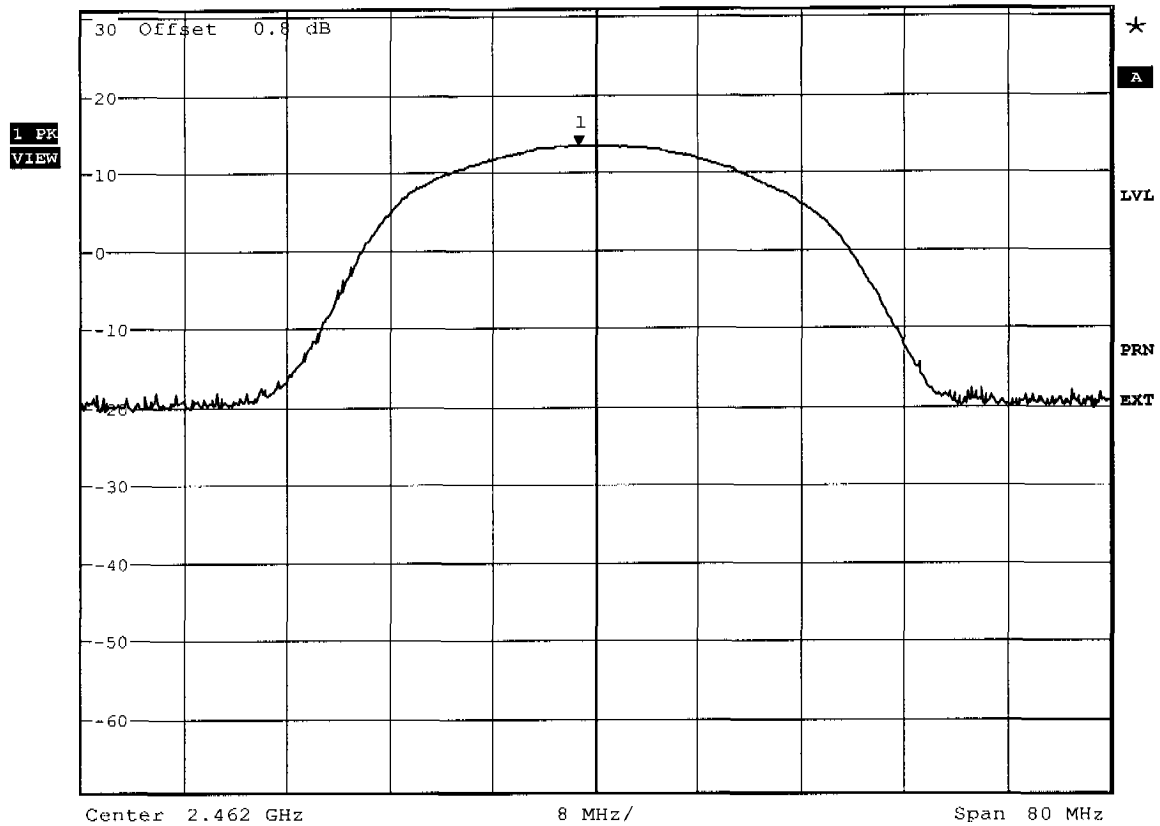
Ref 30.8 dBm *Att 50 dB *RBW 20 MHz Marker 1 [T1] 14.92 dBm
*VBW 10 MHz 2.435974359 GHz
SWT 2.5 ms



Comment A: Output Power Conducted 11Mb/s 115% Voltage
Date: 5.DEC.2003 09:11:37



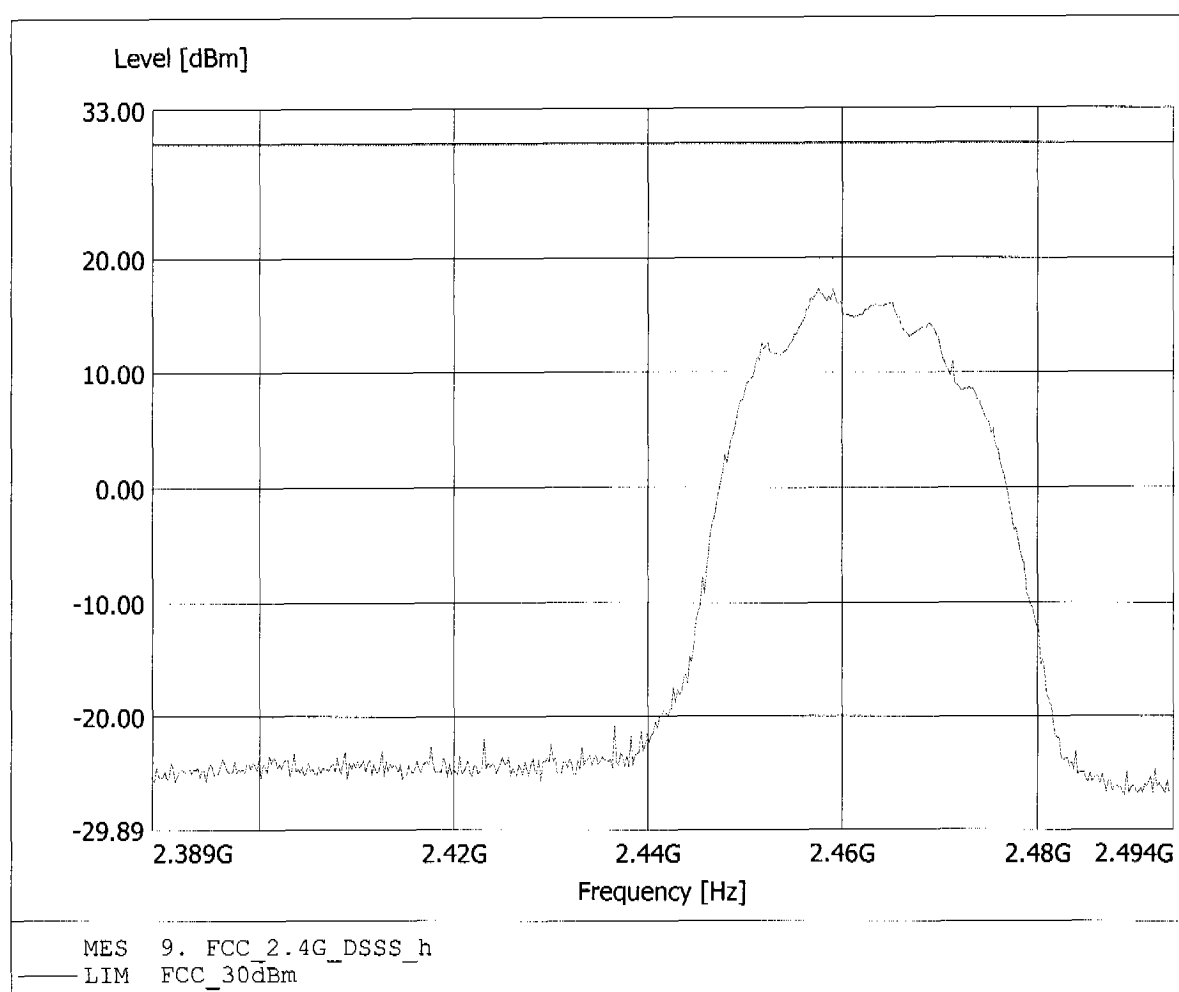
Ref 30.8 dBm *Att 50 dB *RBW 20 MHz Marker 1 [T1] 13.31 dBm
*VBW 10 MHz 2.460717949 GHz
SWT 2.5 ms



Comment A: Output Power Conducted 11Mb/s 115% Voltage
Date: 5.DEC.2003 09:12:18

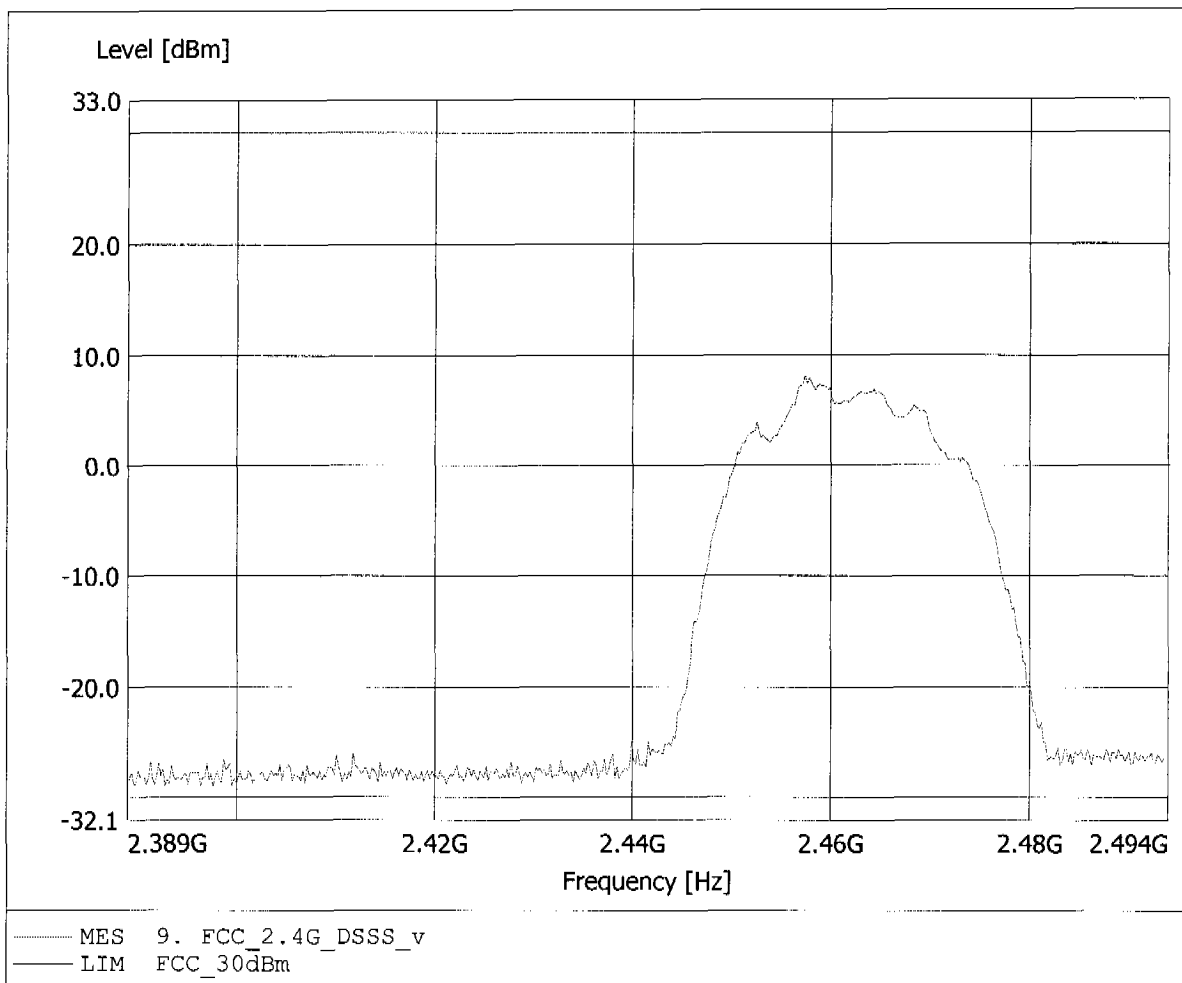
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:11
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.459GHz, Pmax: 17.27dBm, RBW: 10MHz



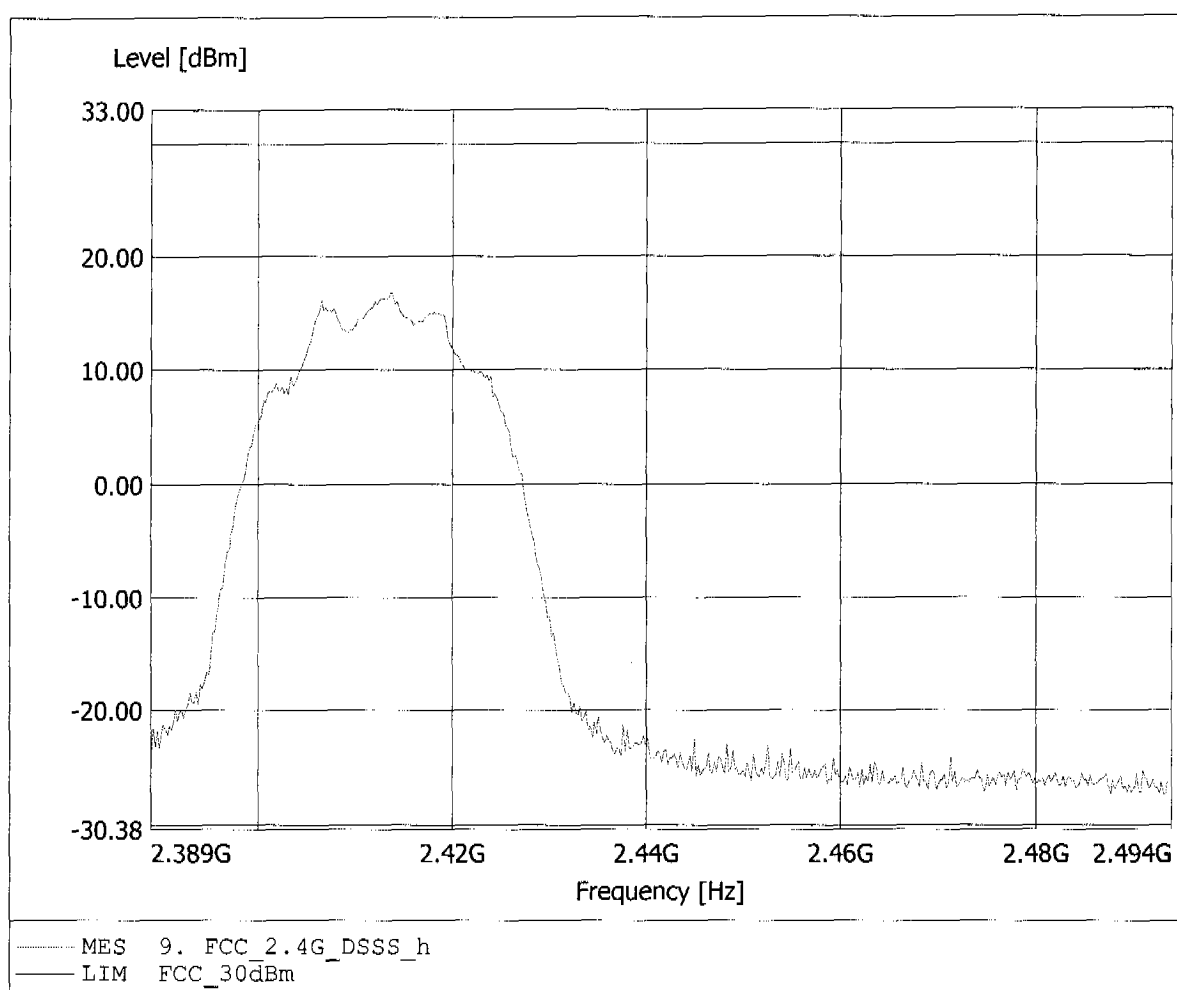
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:11
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.457GHz, Pmax: 8.29dBm, RBW: 10MHz



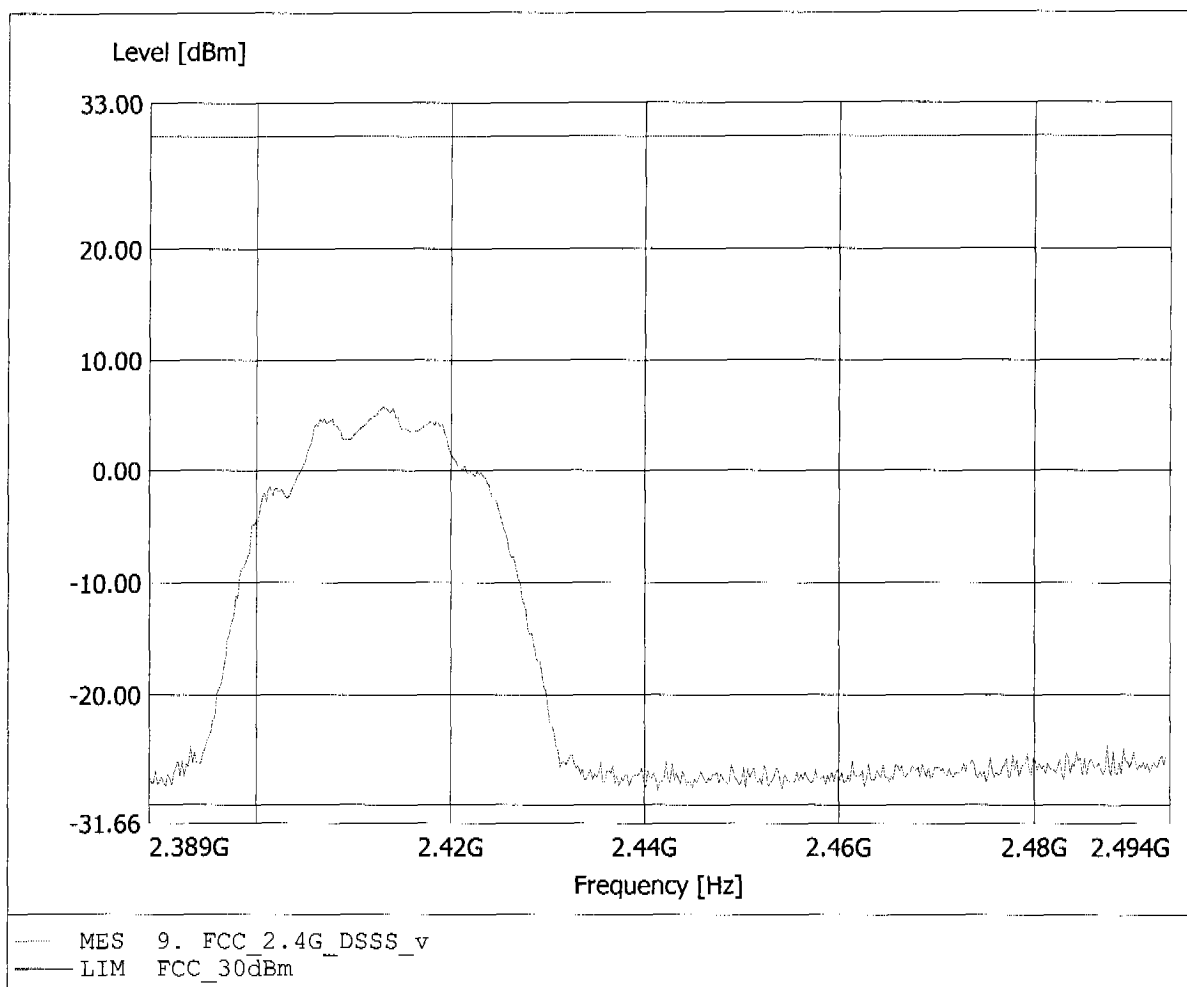
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:1
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.414GHz, Pmax: 16.85dBm, RBW: 10MHz



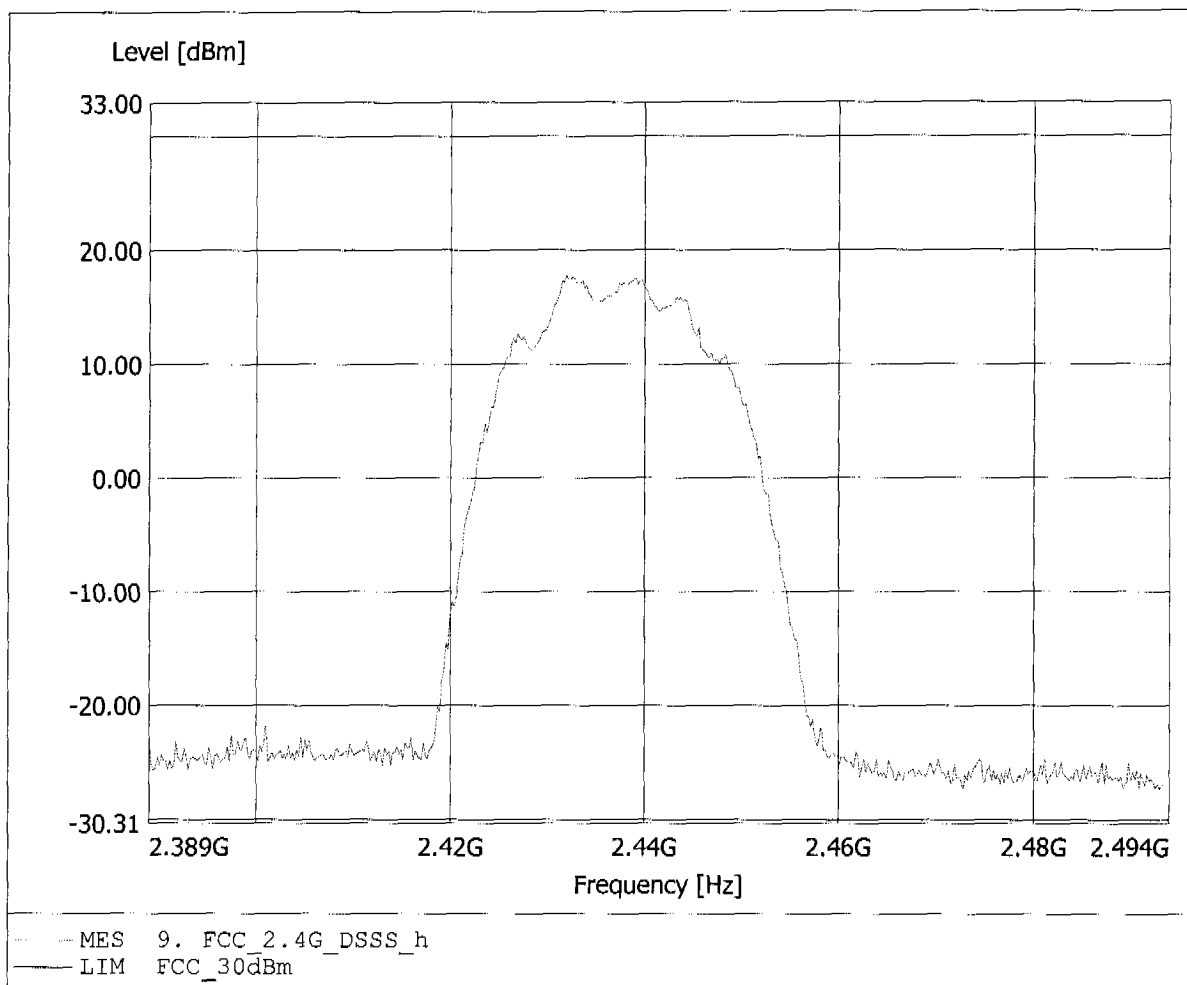
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:1
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.413GHz, Pmax: 5.83dBm, RBW: 10MHz



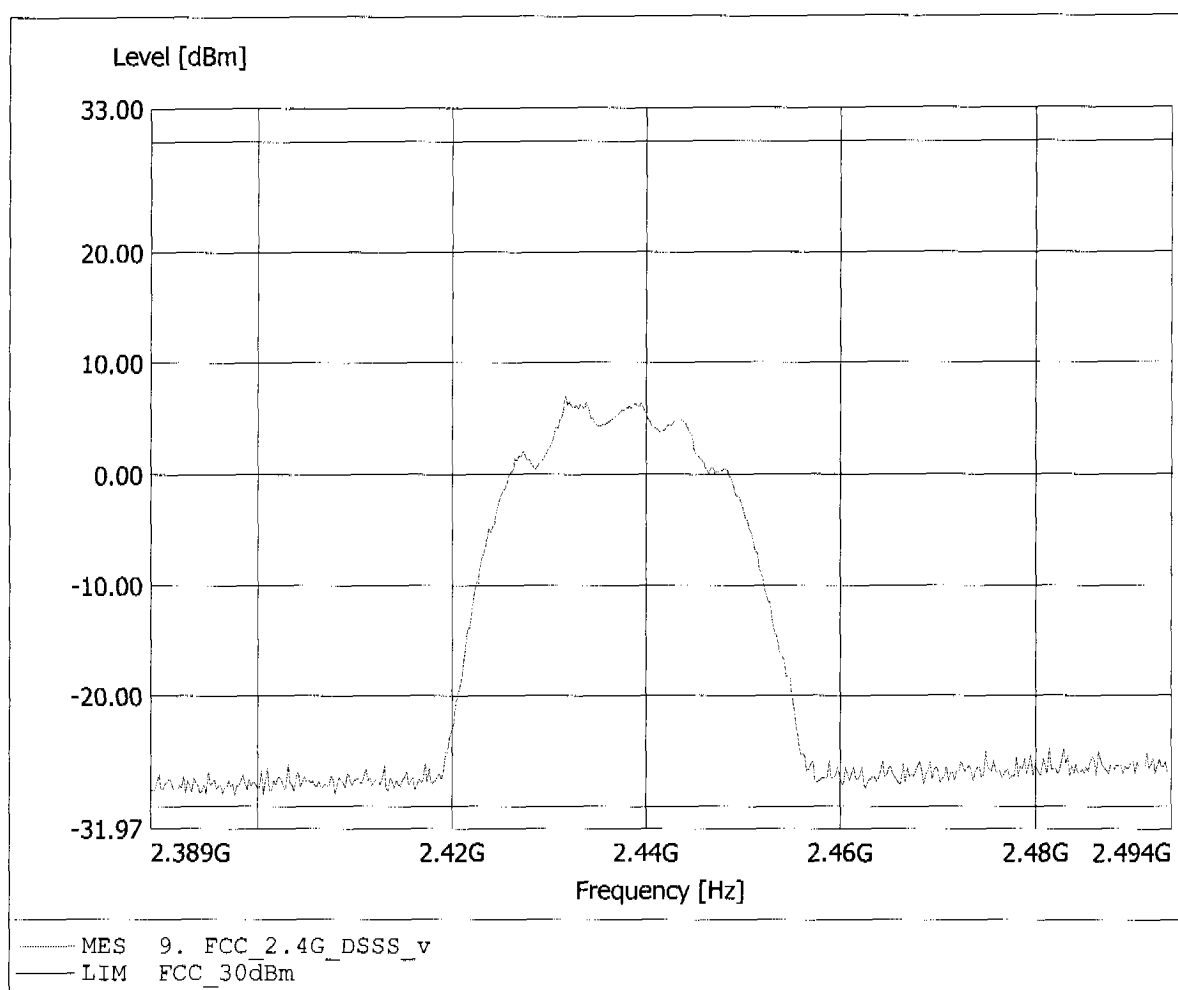
Carrier power (dBm)
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:6
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.432GHz, Pmax: 17.76dBm, RBW: 10MHz



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

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:6
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.432GHz, Pmax: 6.98dBm, RBW: 10MHz

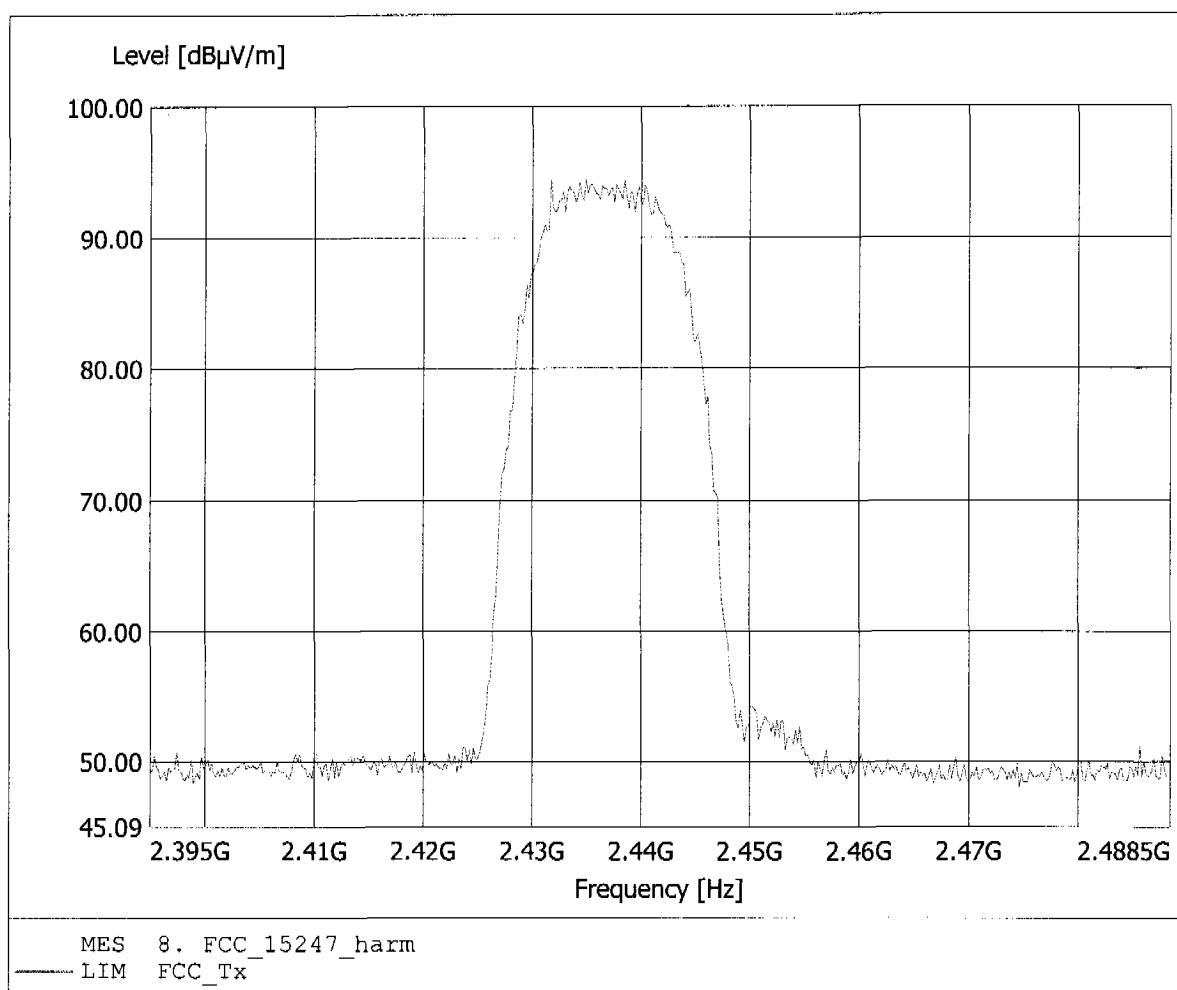


Appendix C

Spurious Emissions radiated - Transmitter operating

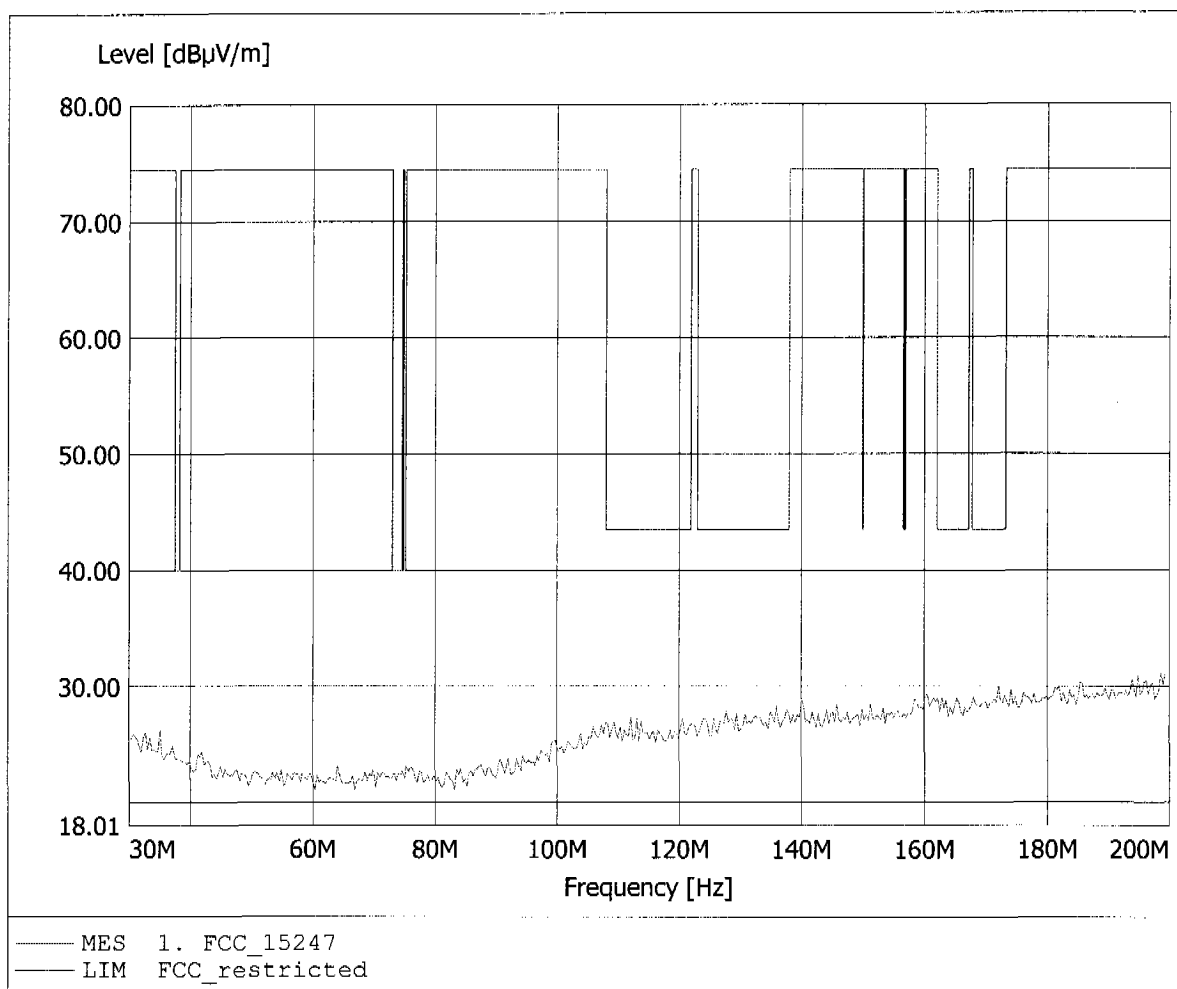
Carrier power (Field Strength)
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:6
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: BBHA9120D
Comment 2: Freq: 2.438GHz, Emax: 94.46dBuV/m, RBW: 100kHz



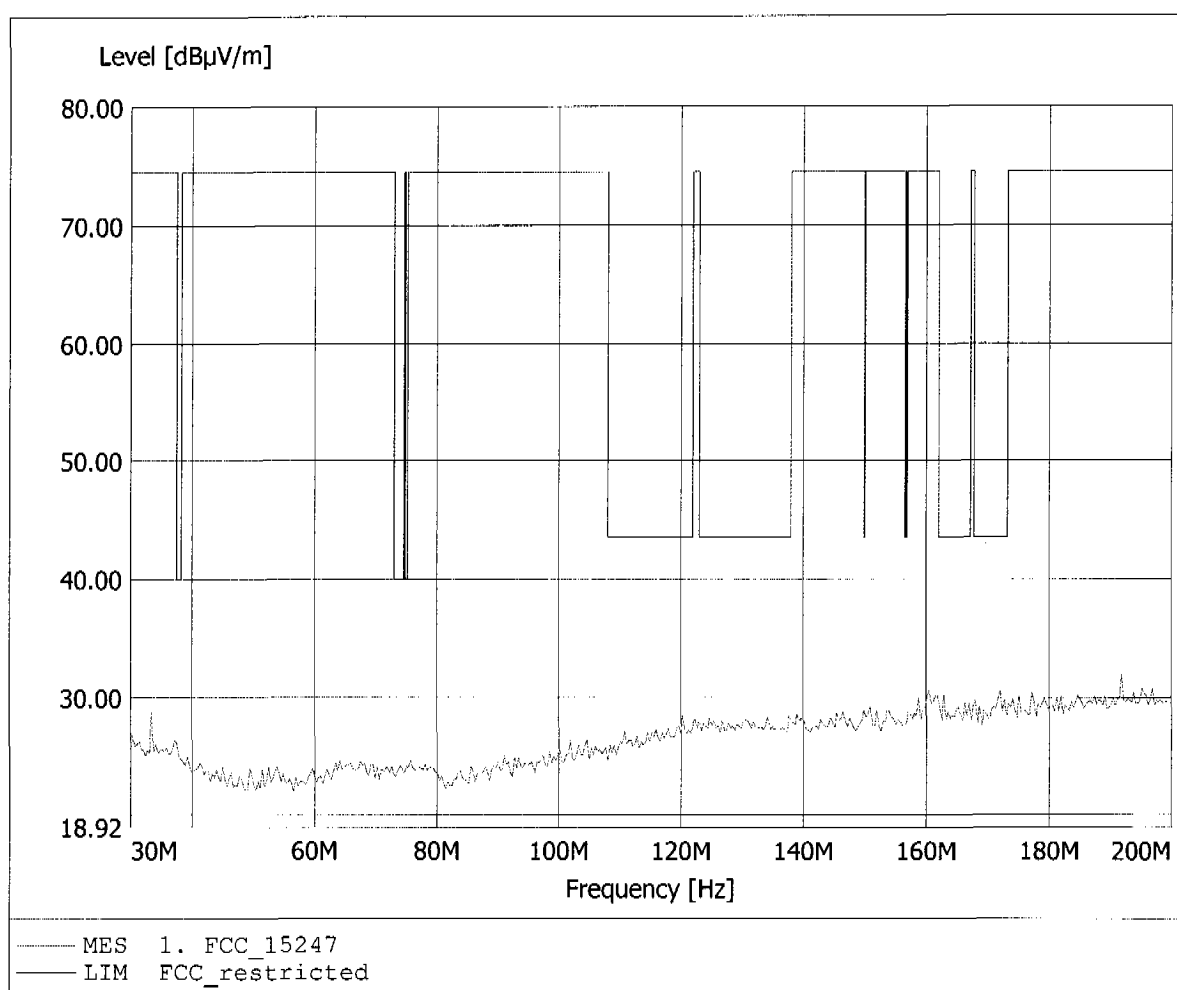
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:1
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 198.637MHz, Emax: 31.05dBµV/m, RBW: 100kHz



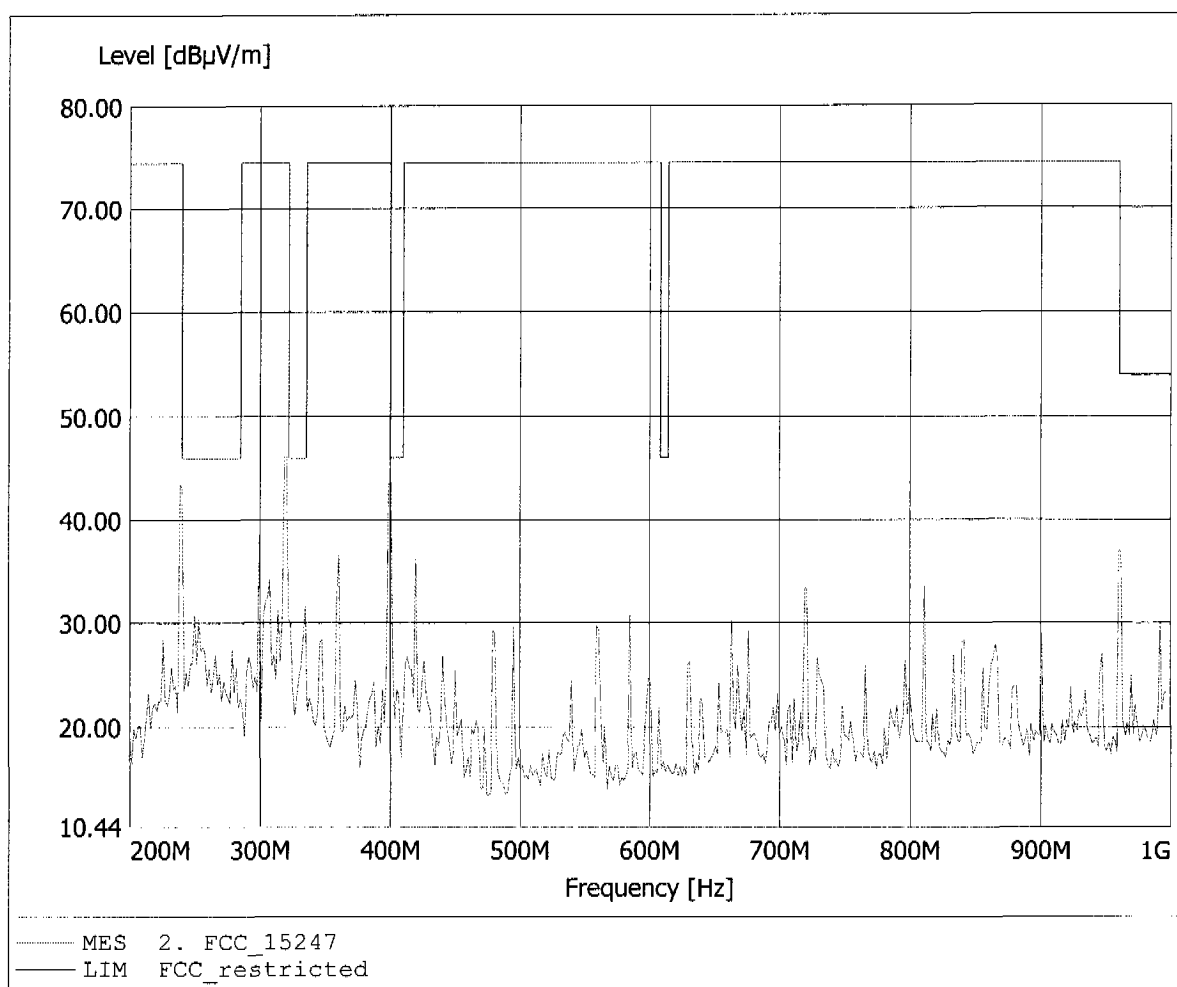
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:1
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 191.824MHz, Emax: 31.96dBµV/m, RBW: 100kHz



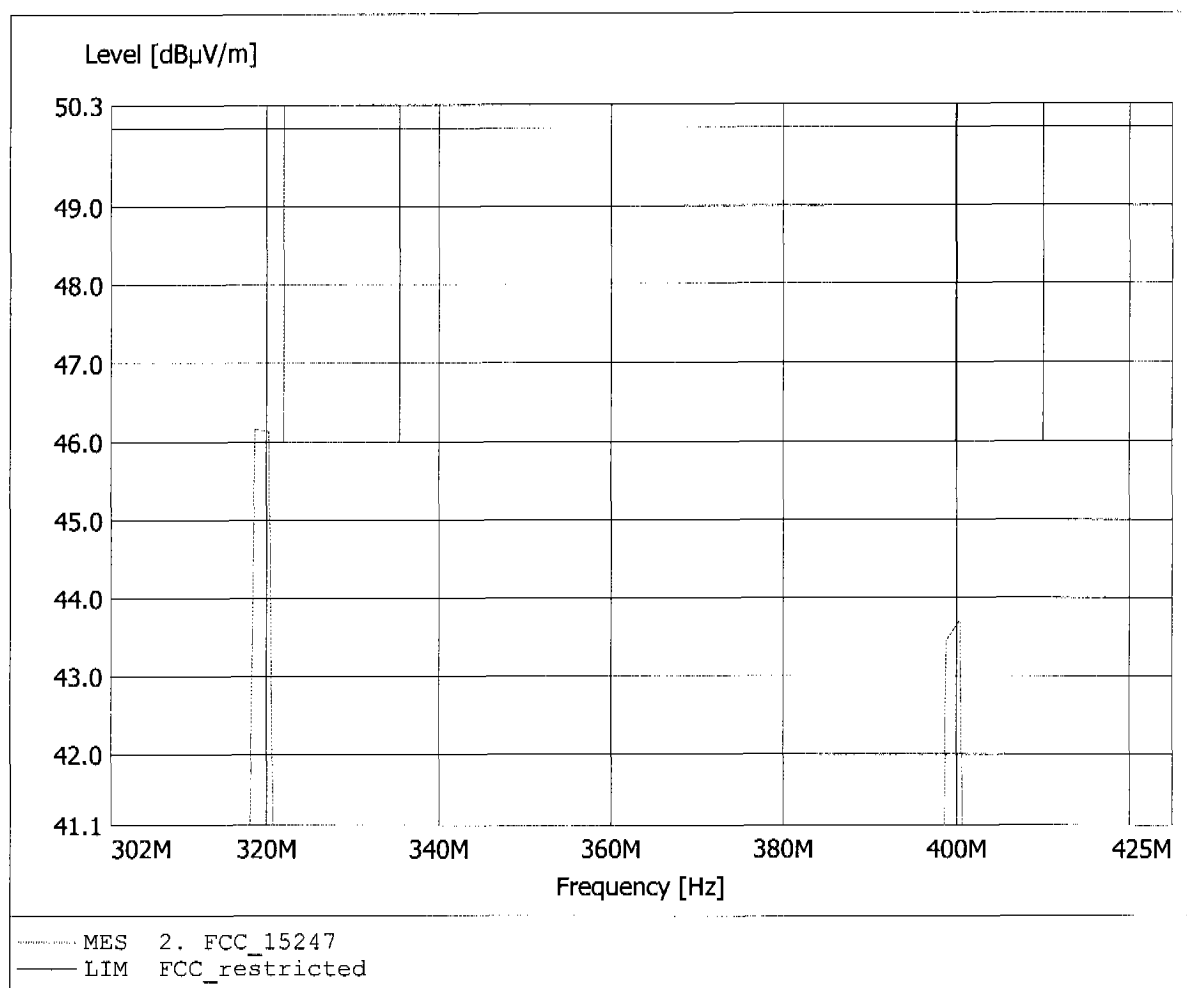
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:1
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 318.637MHz, Emax: 46.16dBµV/m, RBW: 100kHz



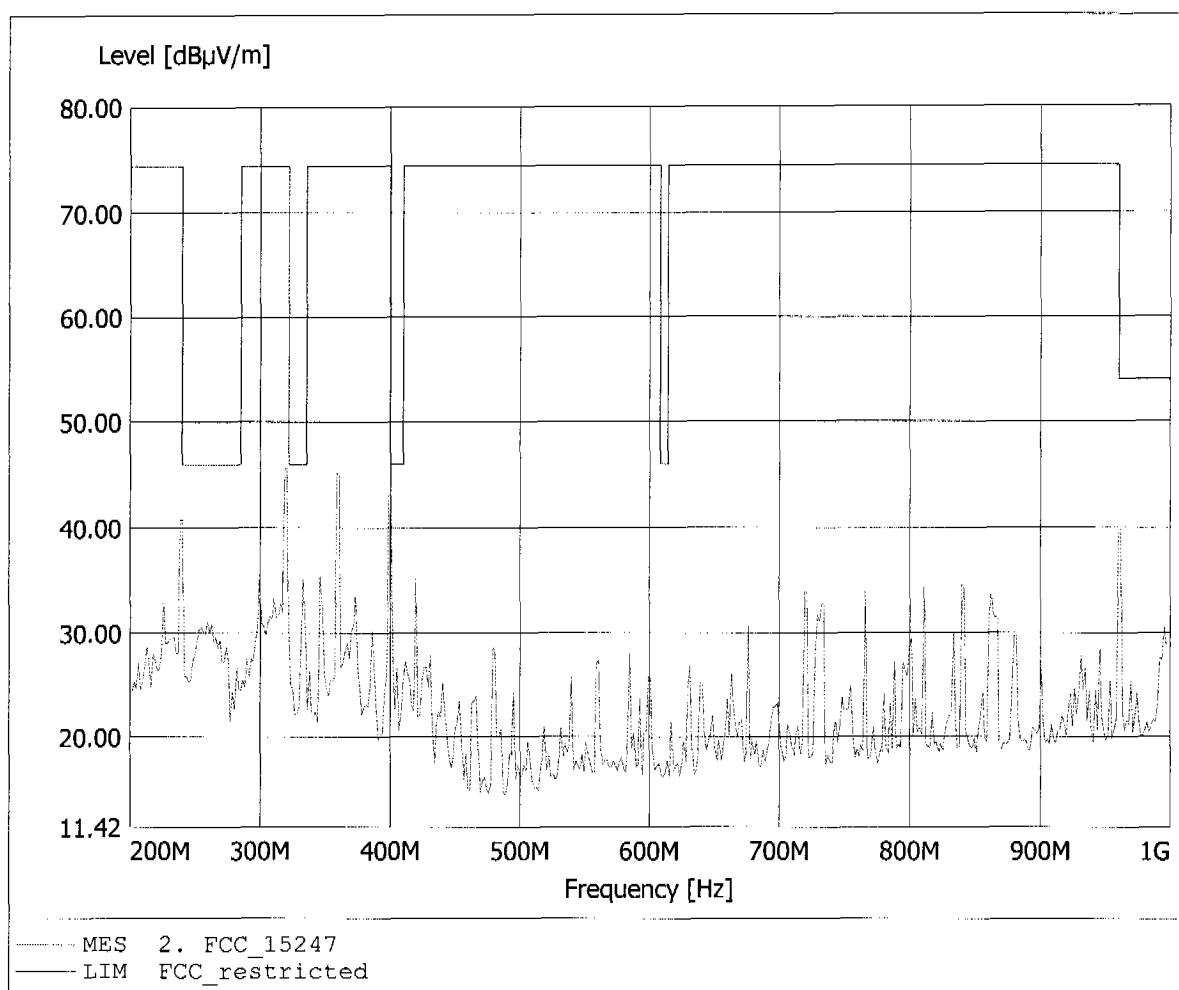
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:1
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 318.637MHz, Emax: 46.16dBµV/m, RBW: 100kHz



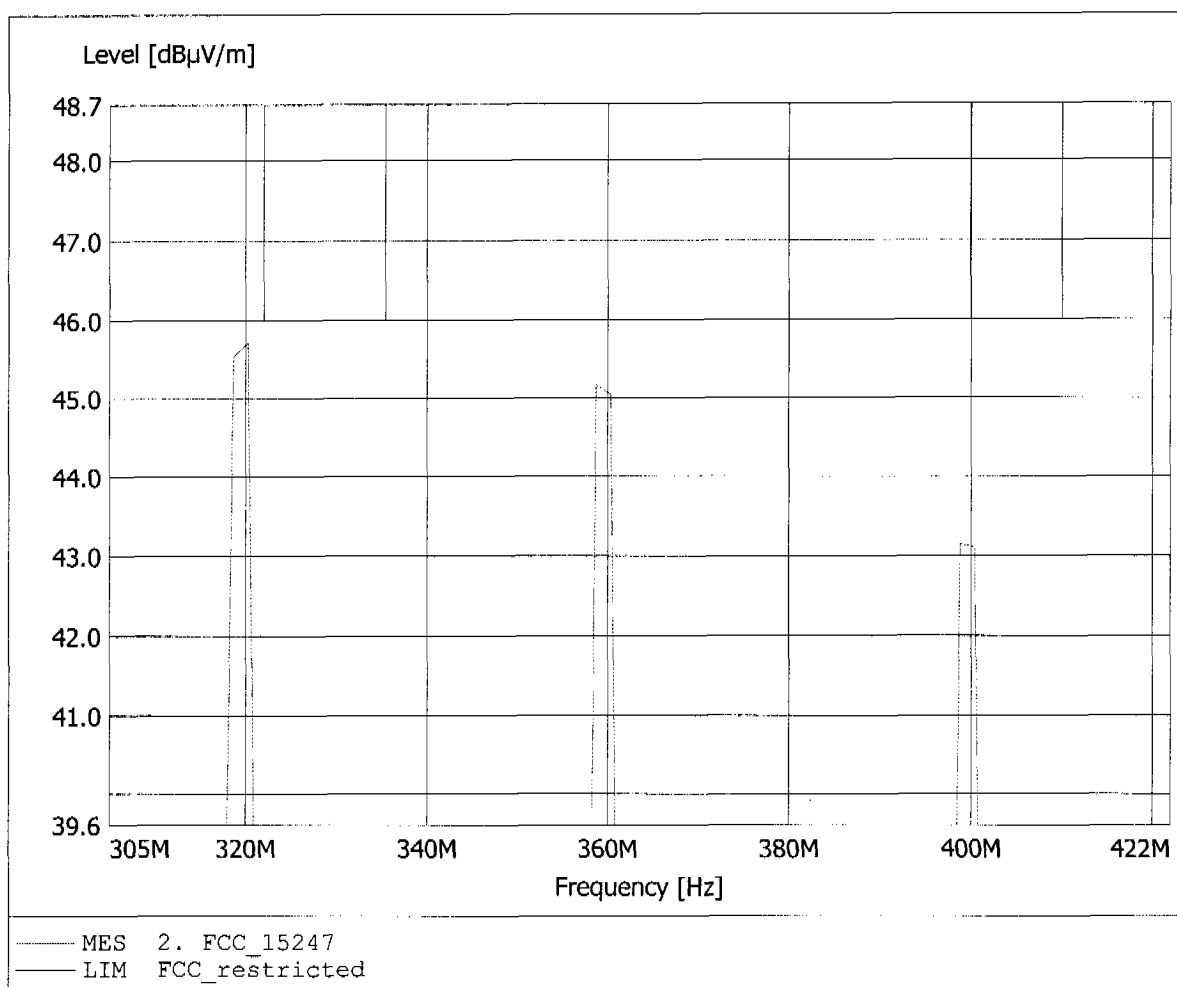
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:1
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 320.240MHz, Emax: 45.71dBµV/m, RBW: 100kHz



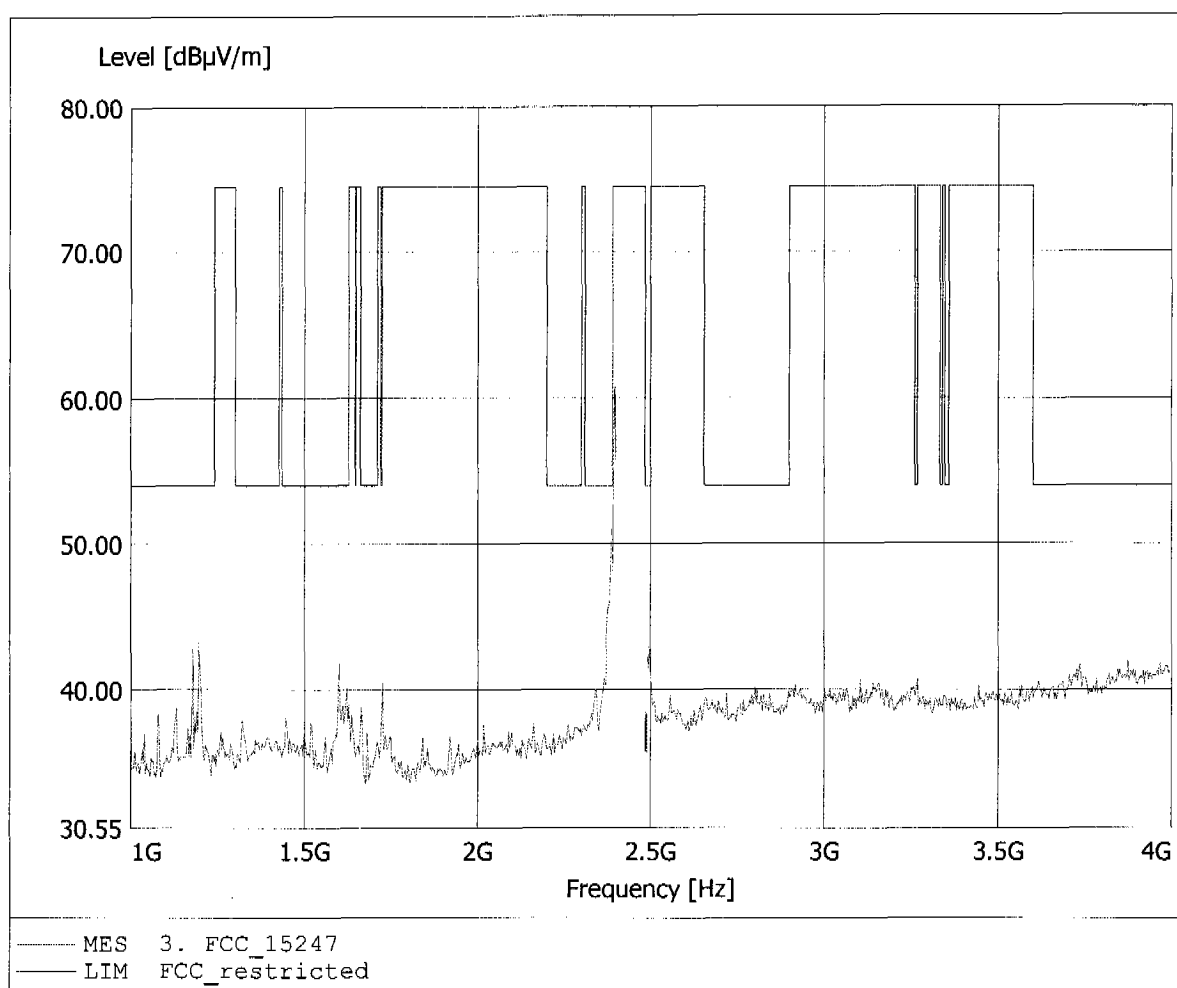
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:1
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 320.240MHz, Emax: 45.71dBµV/m, RBW: 100kHz



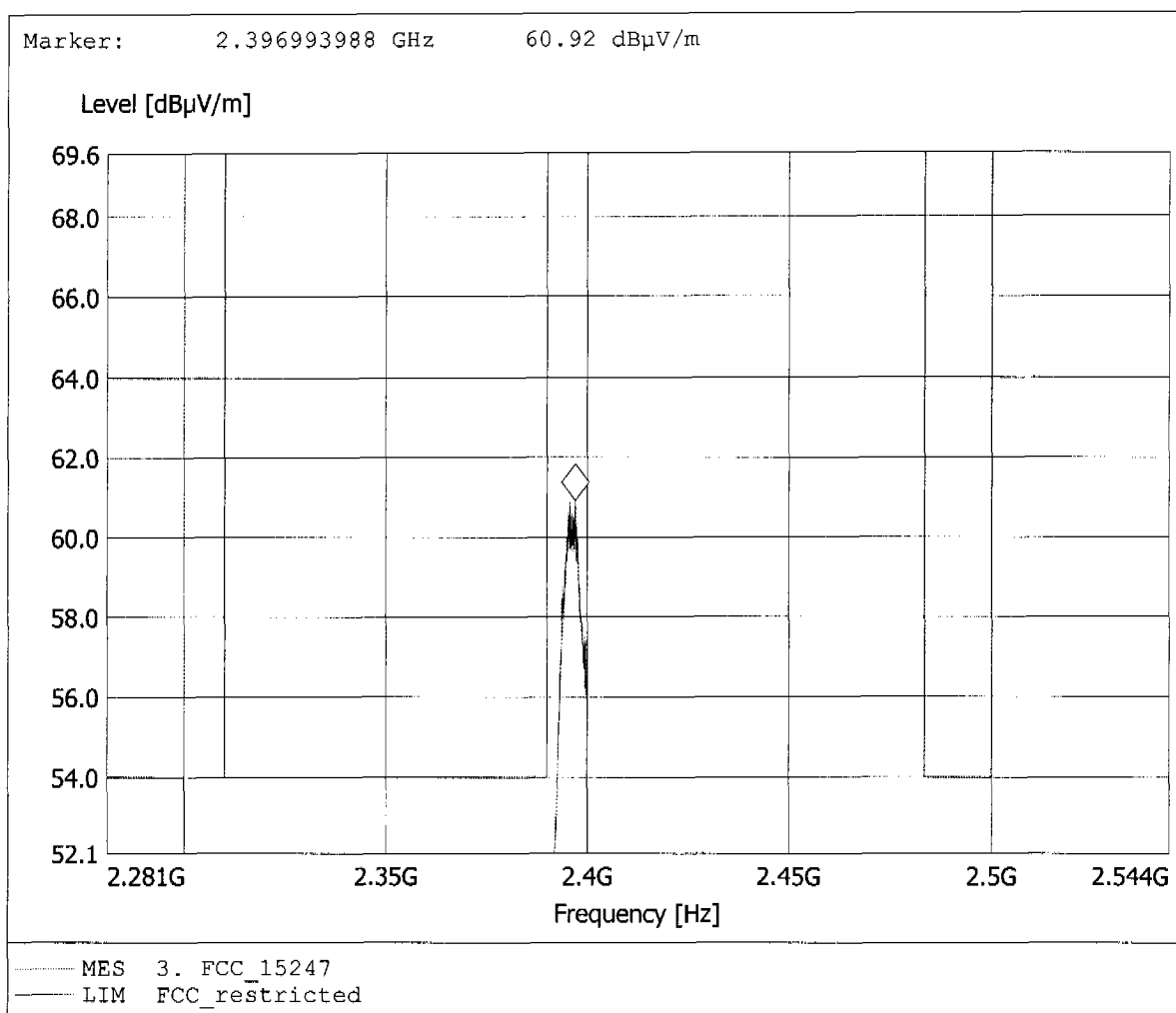
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:1
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.397GHz, Emax: 60.92dBµV/m, RBW: 1MHz



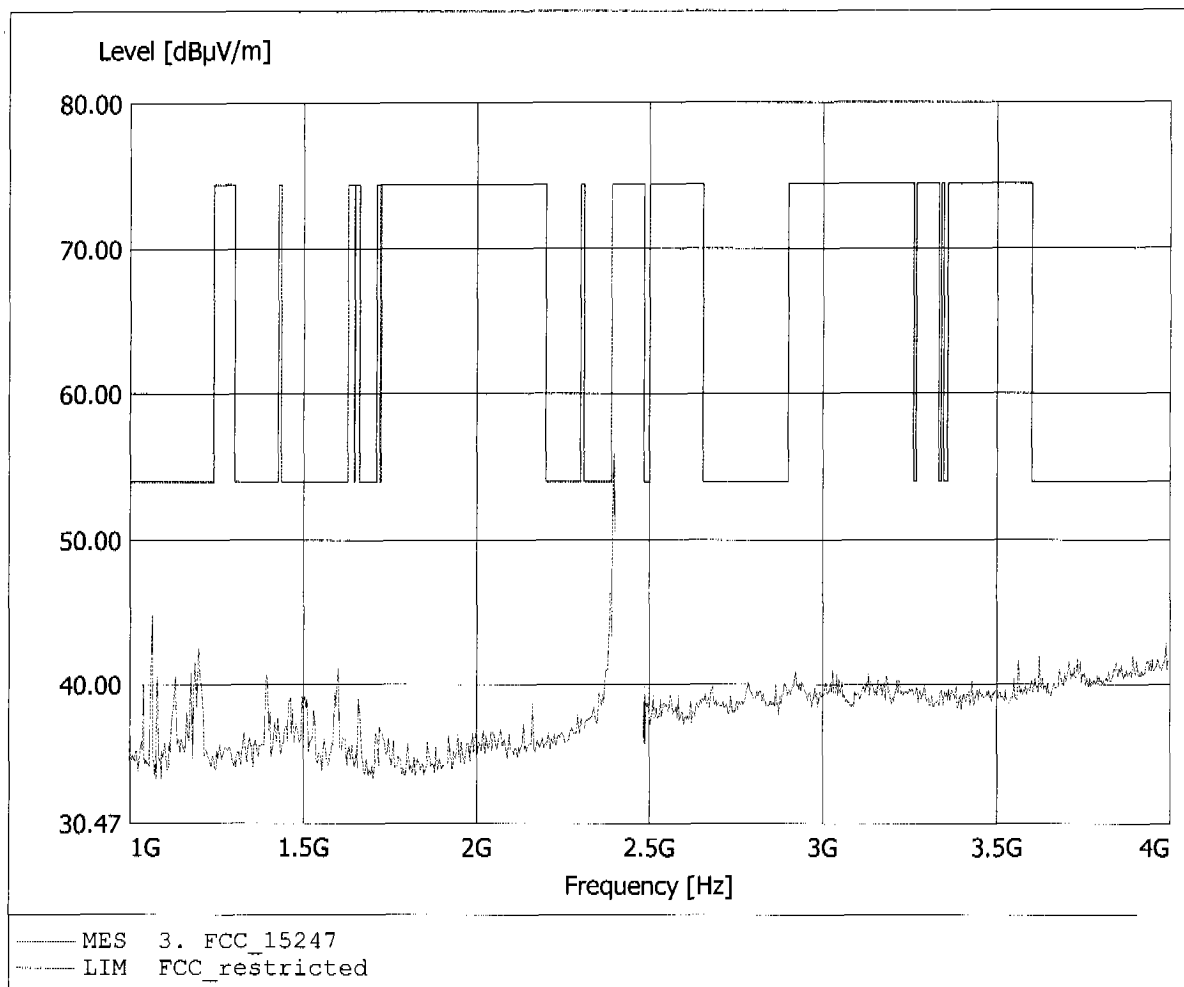
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:1
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.397GHz, Emax: 60.92dBµV/m, RBW: 1MHz



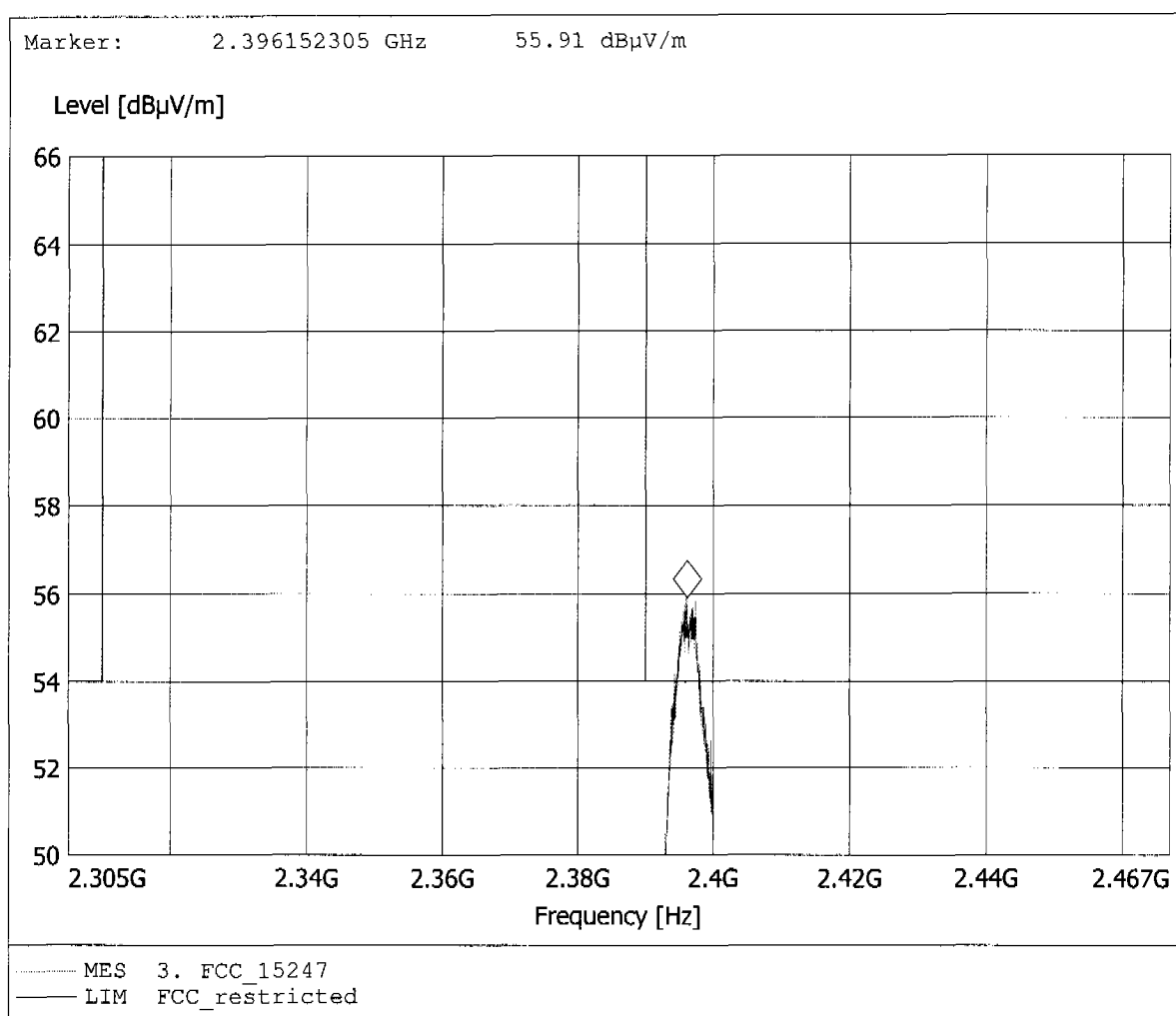
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:1
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.396GHz, Emax: 55.91dBuV/m, RBW: 1MHz



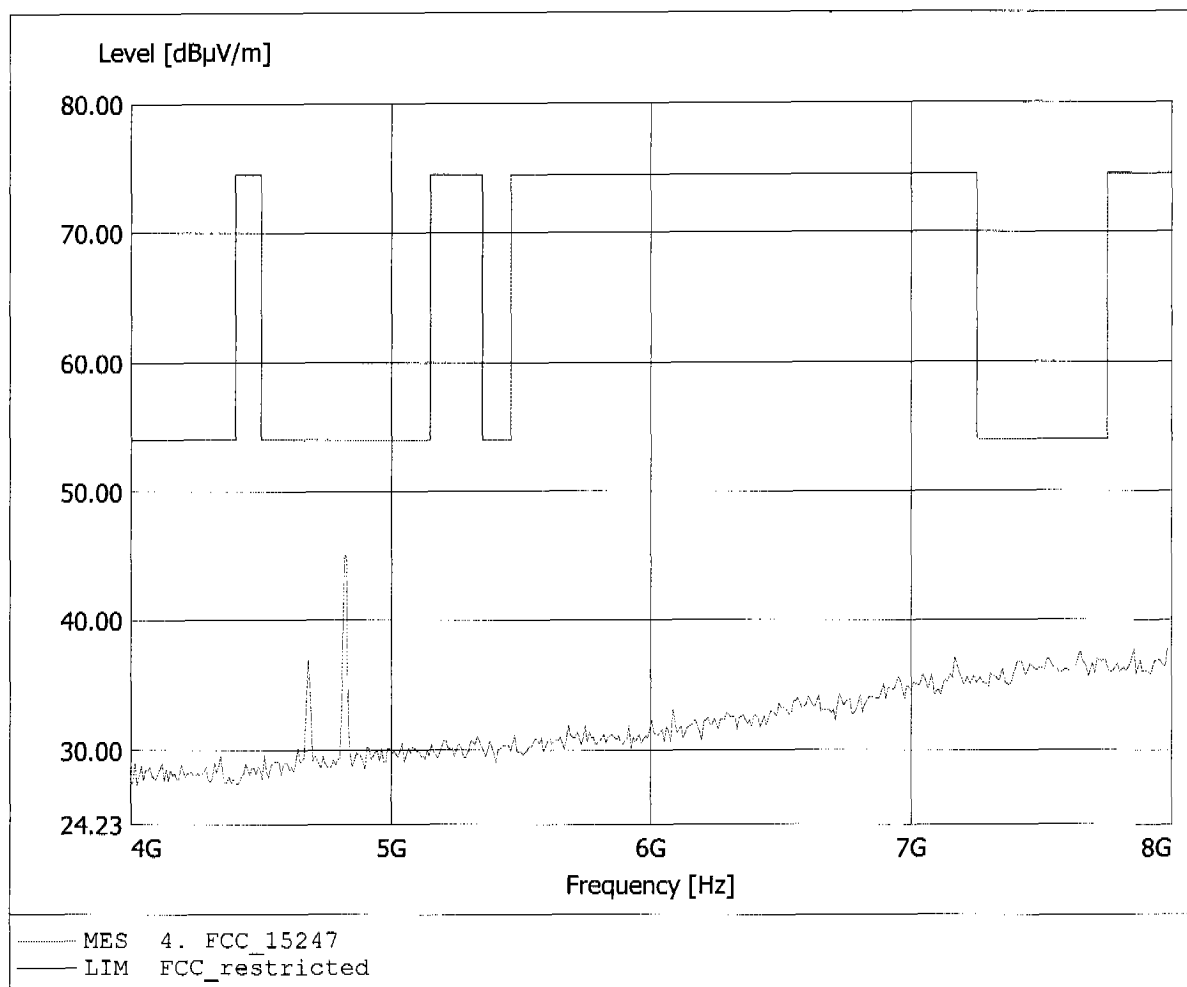
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:1
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.396GHz, Emax: 55.91dBμV/m, RBW: 1MHz



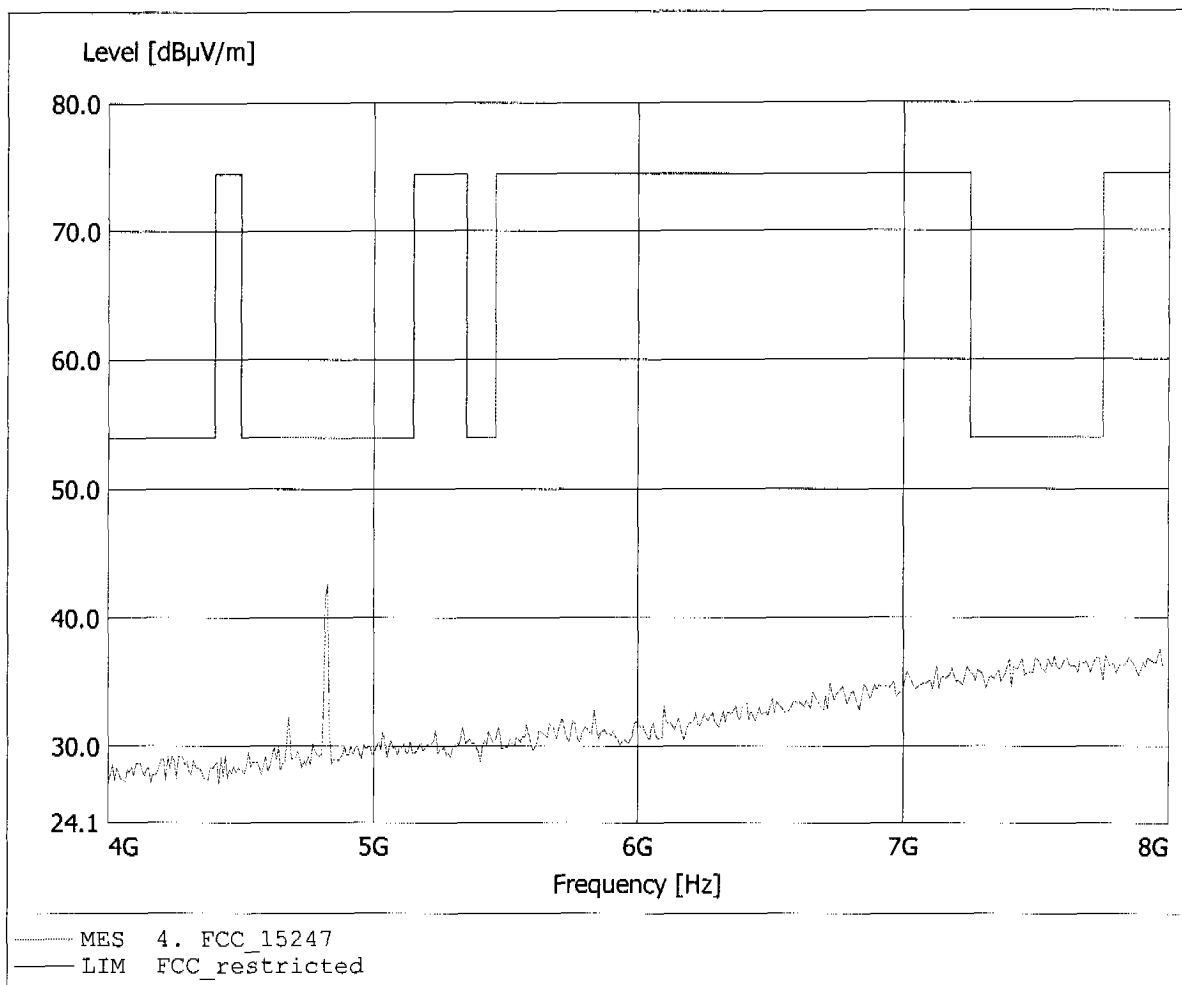
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:1
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.826GHz, Emax: 45.18dBµV/m, RBW: 1MHz



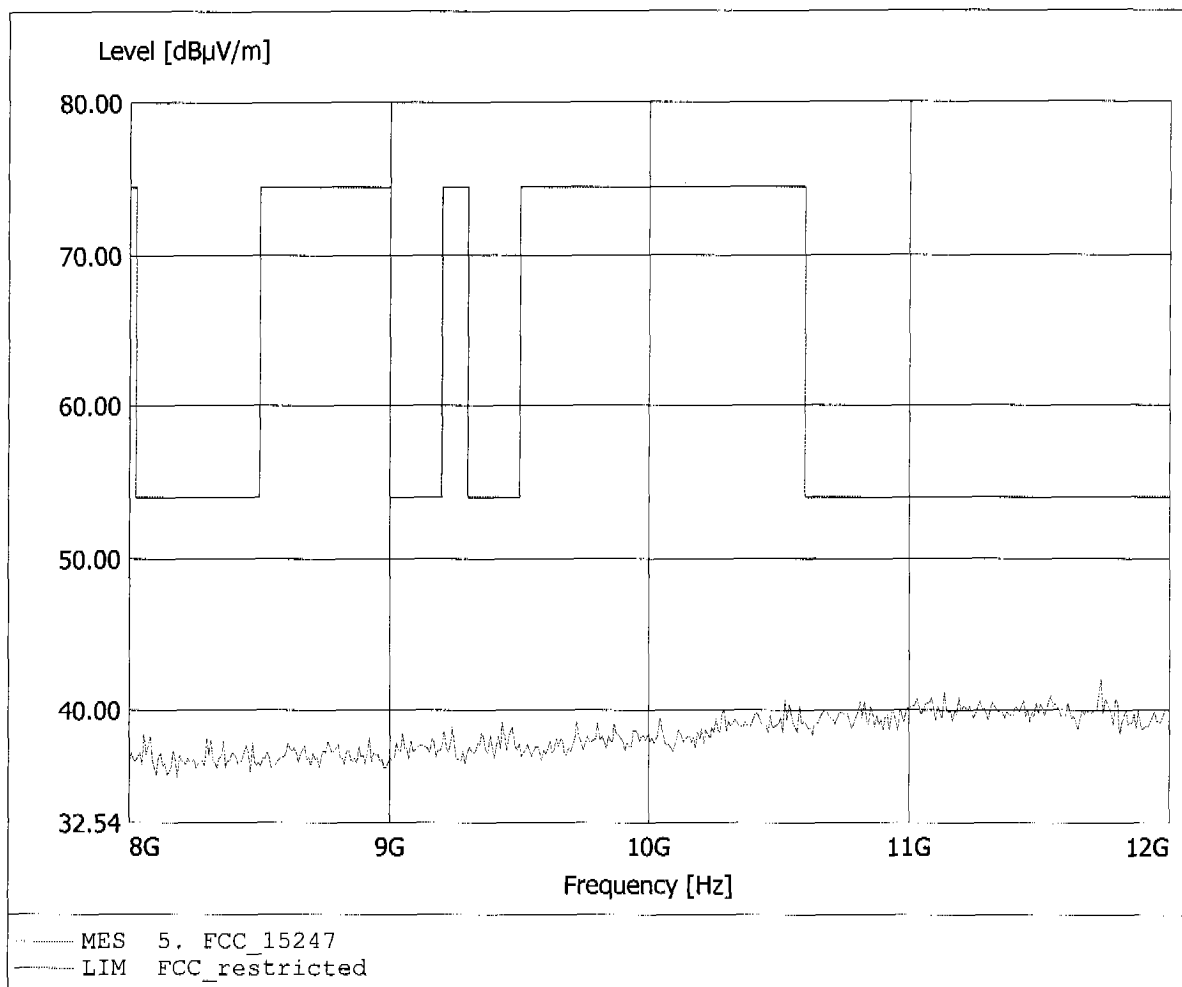
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:1
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.826GHz, Emax: 42.65dBuV/m, RBW: 1MHz



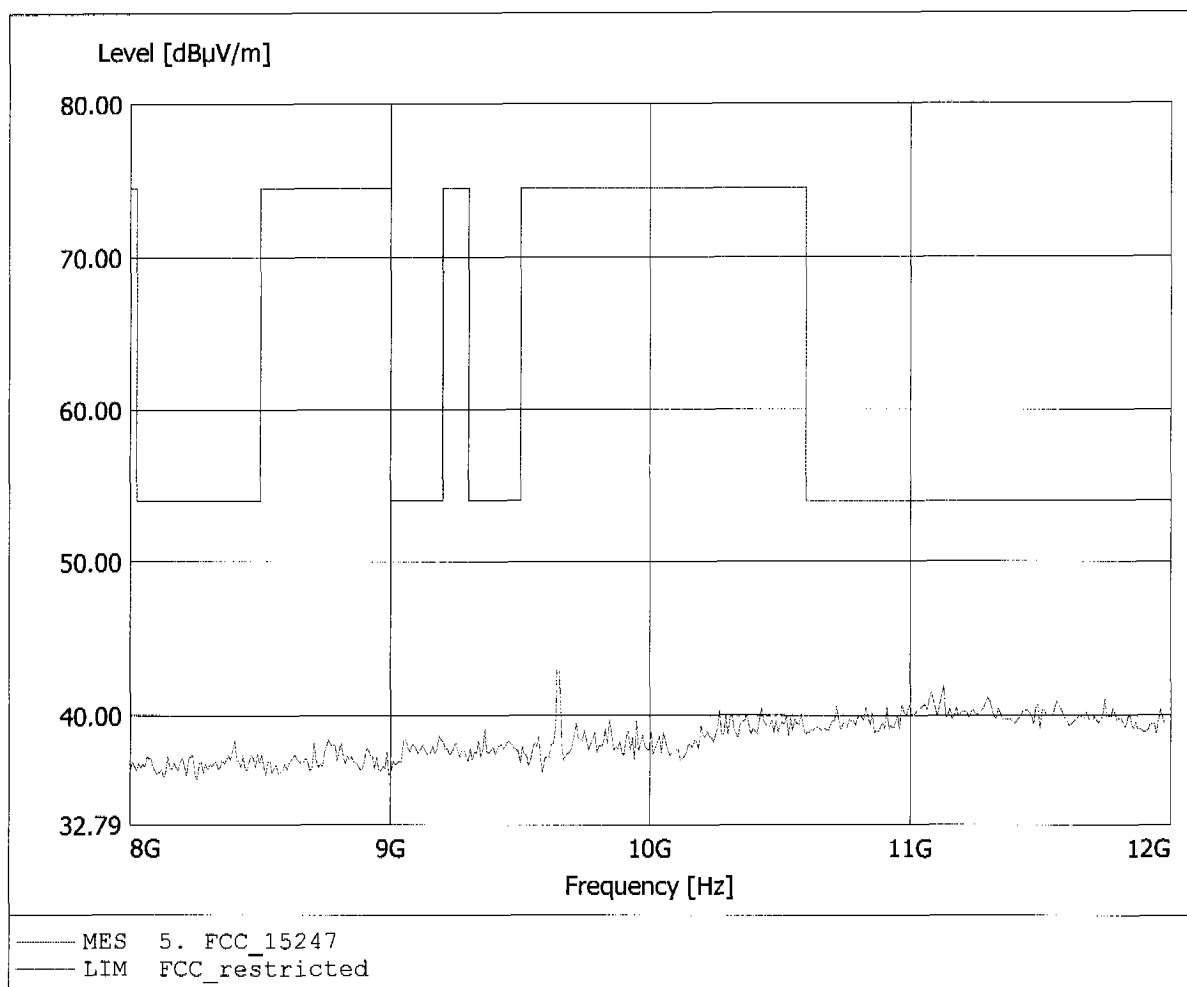
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:1
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.735GHz, Emax: 42.16dBµV/m, RBW: 1MHz



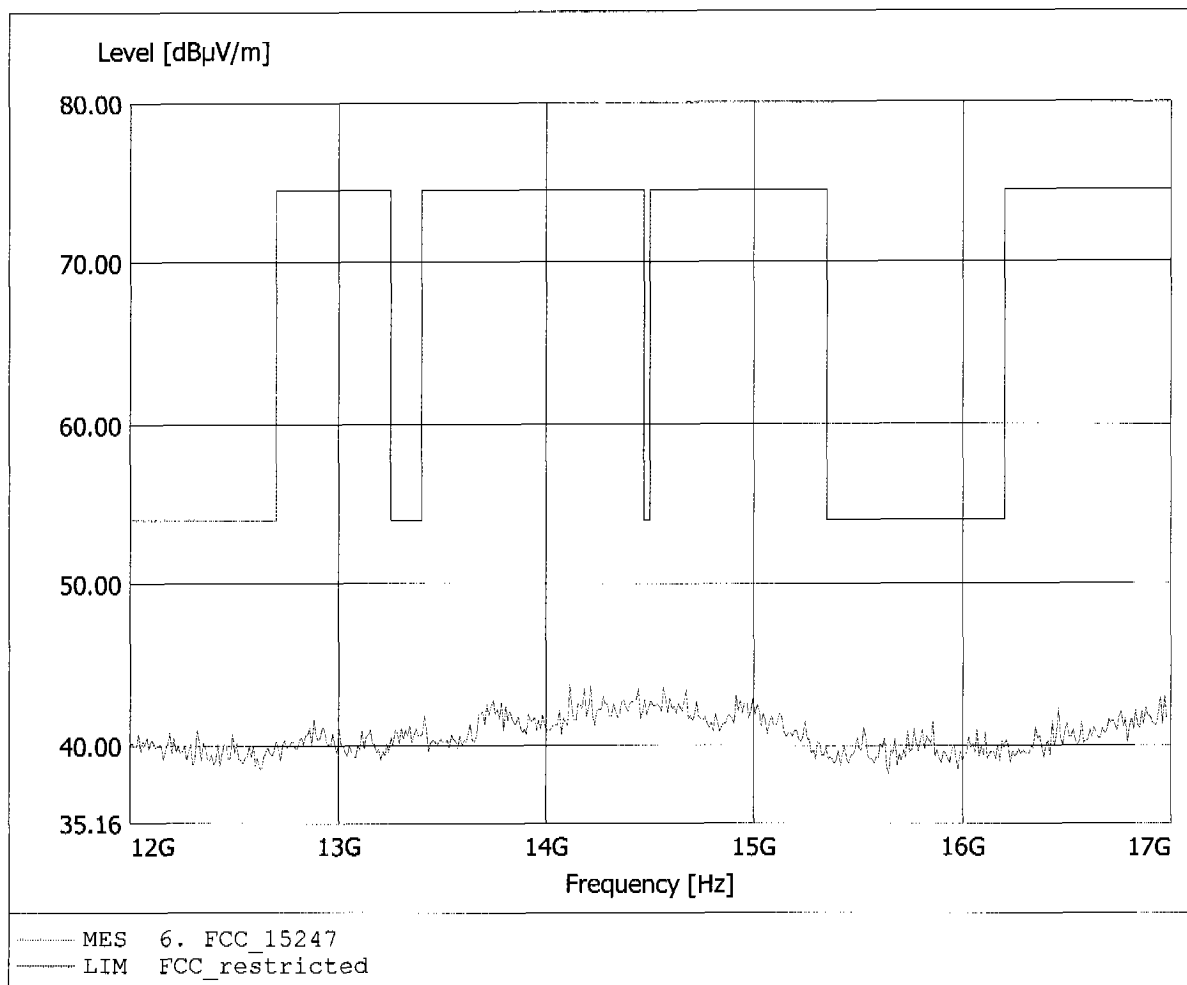
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:1
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.643GHz, Emax: 42.99dBuV/m, RBW: 1MHz



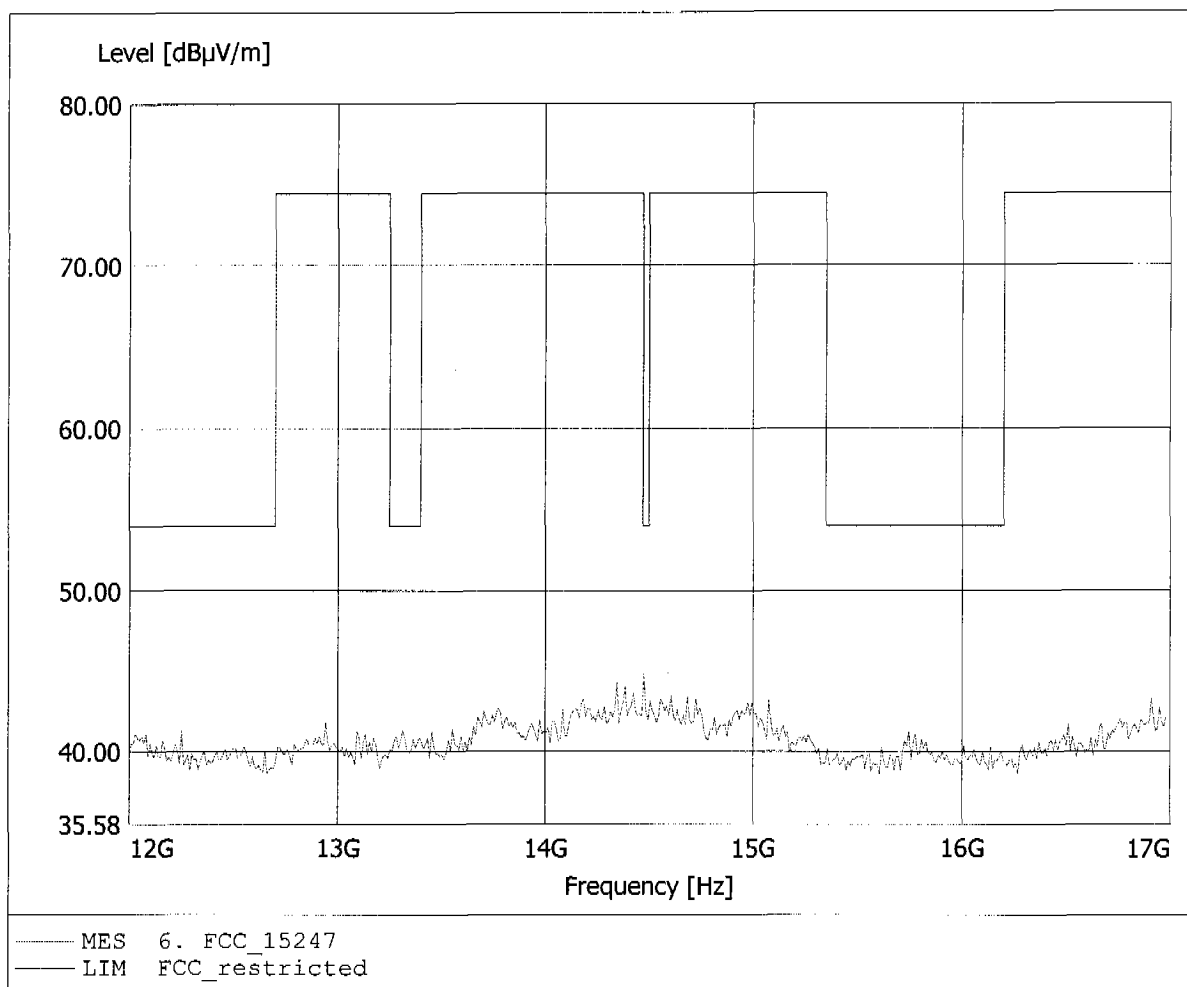
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:1
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.114GHz, Emax: 43.69dBµV/m, RBW: 1MHz



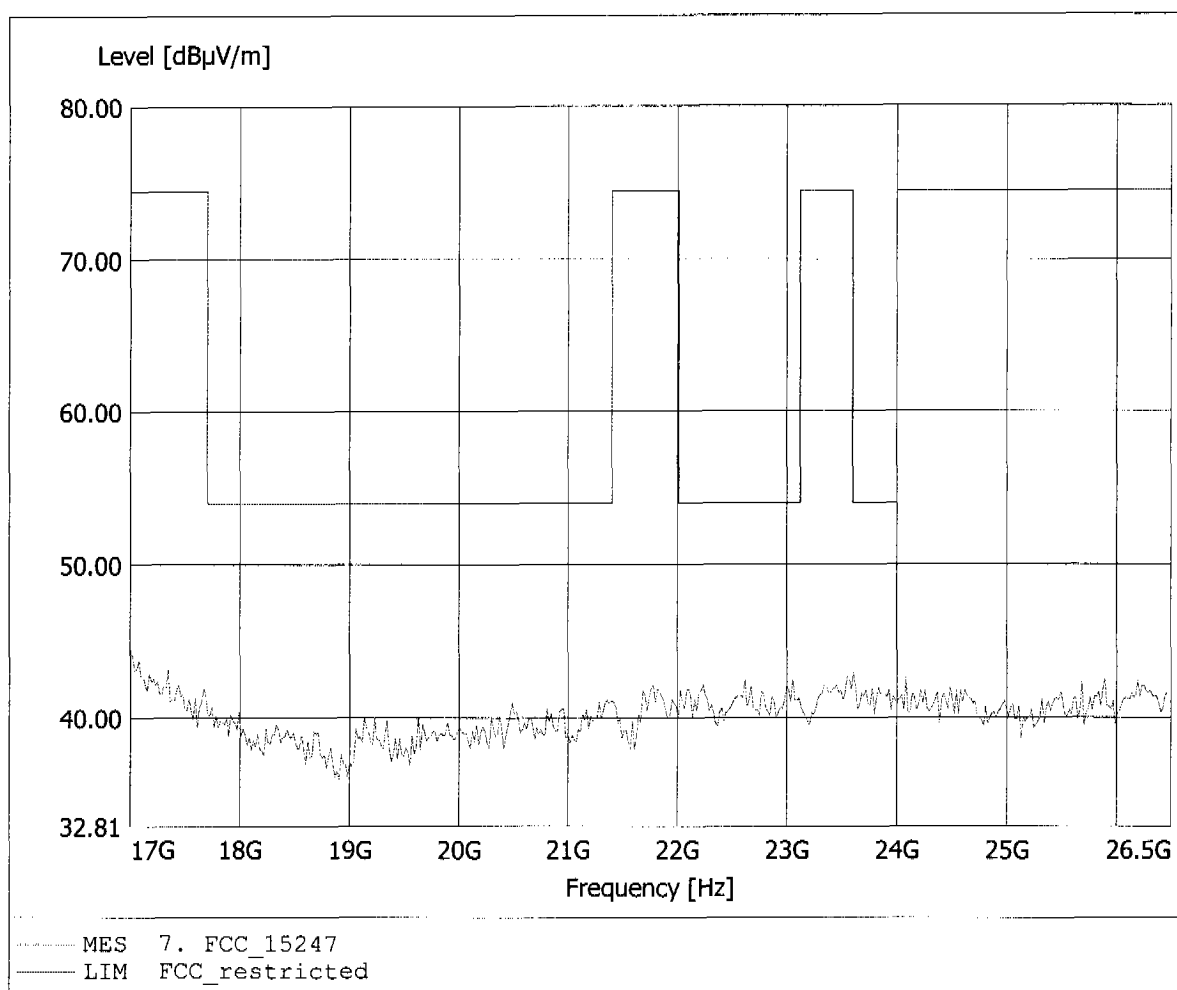
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:1
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.475GHz, Emax: 44.79dBpV/m, RBW: 1MHz



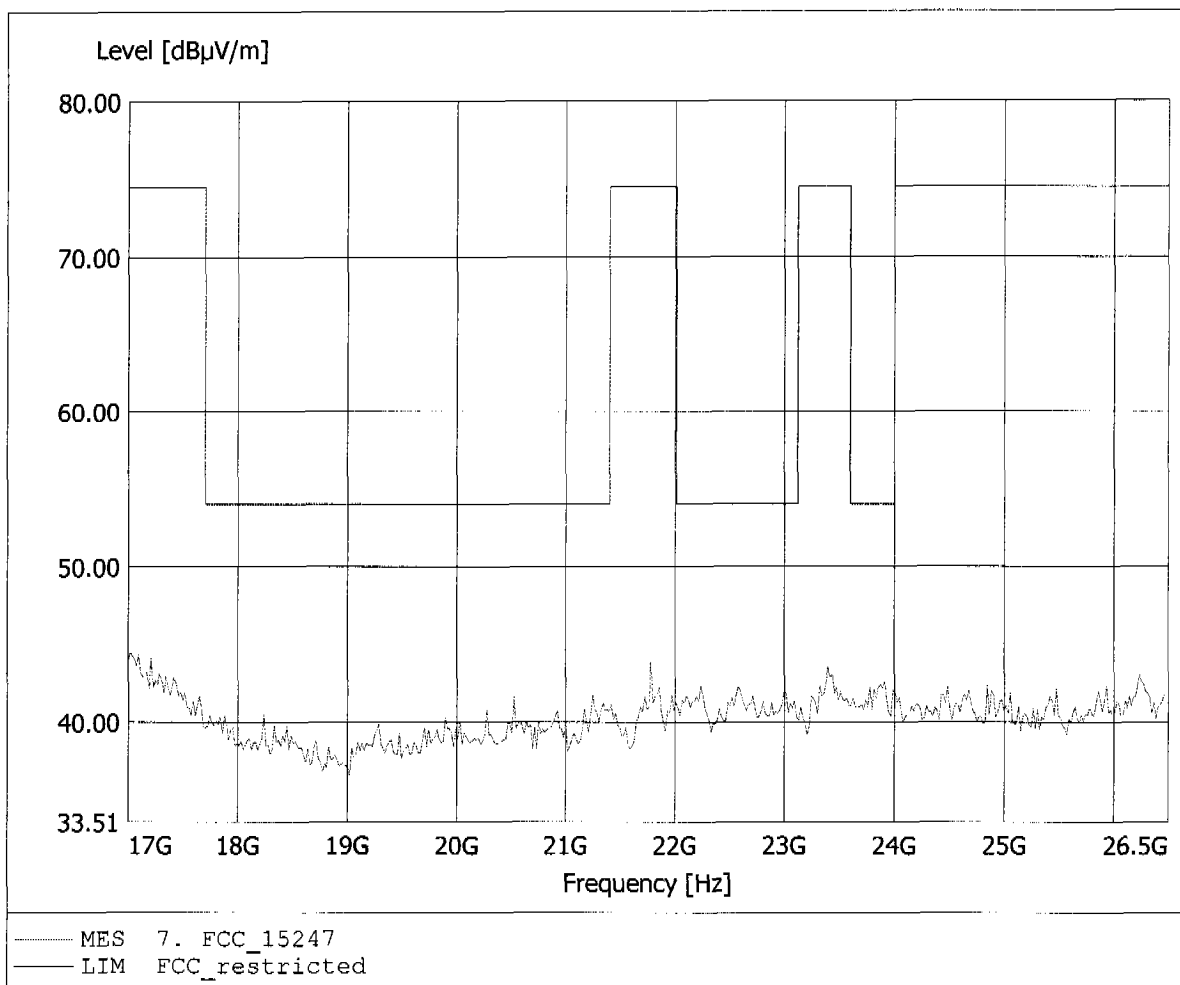
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:1
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.000GHz, Emax: 44.53dBµV/m, RBW: 1MHz



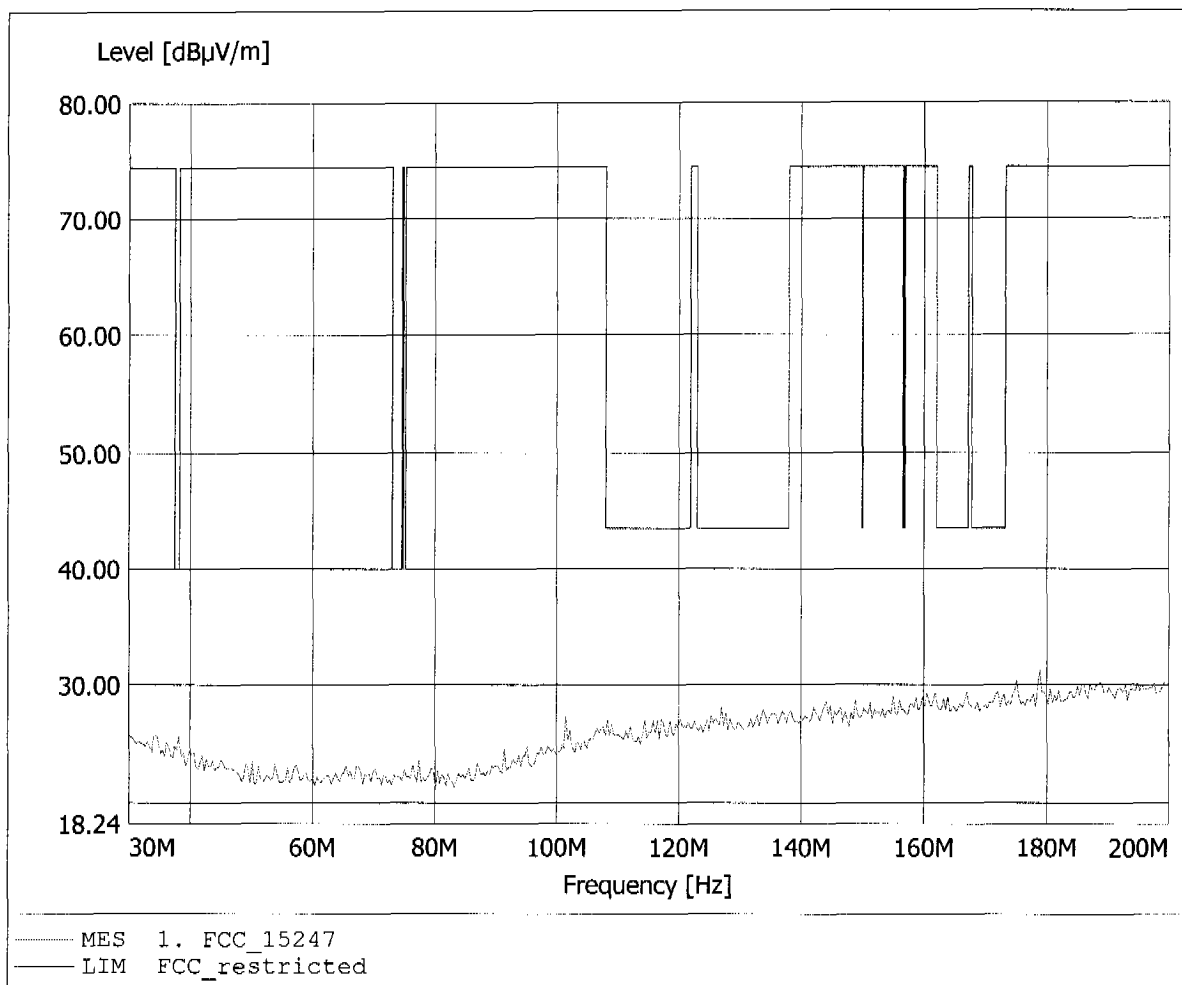
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:1
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.019GHz, Emax: 44.48dBµV/m, RBW: 1MHz



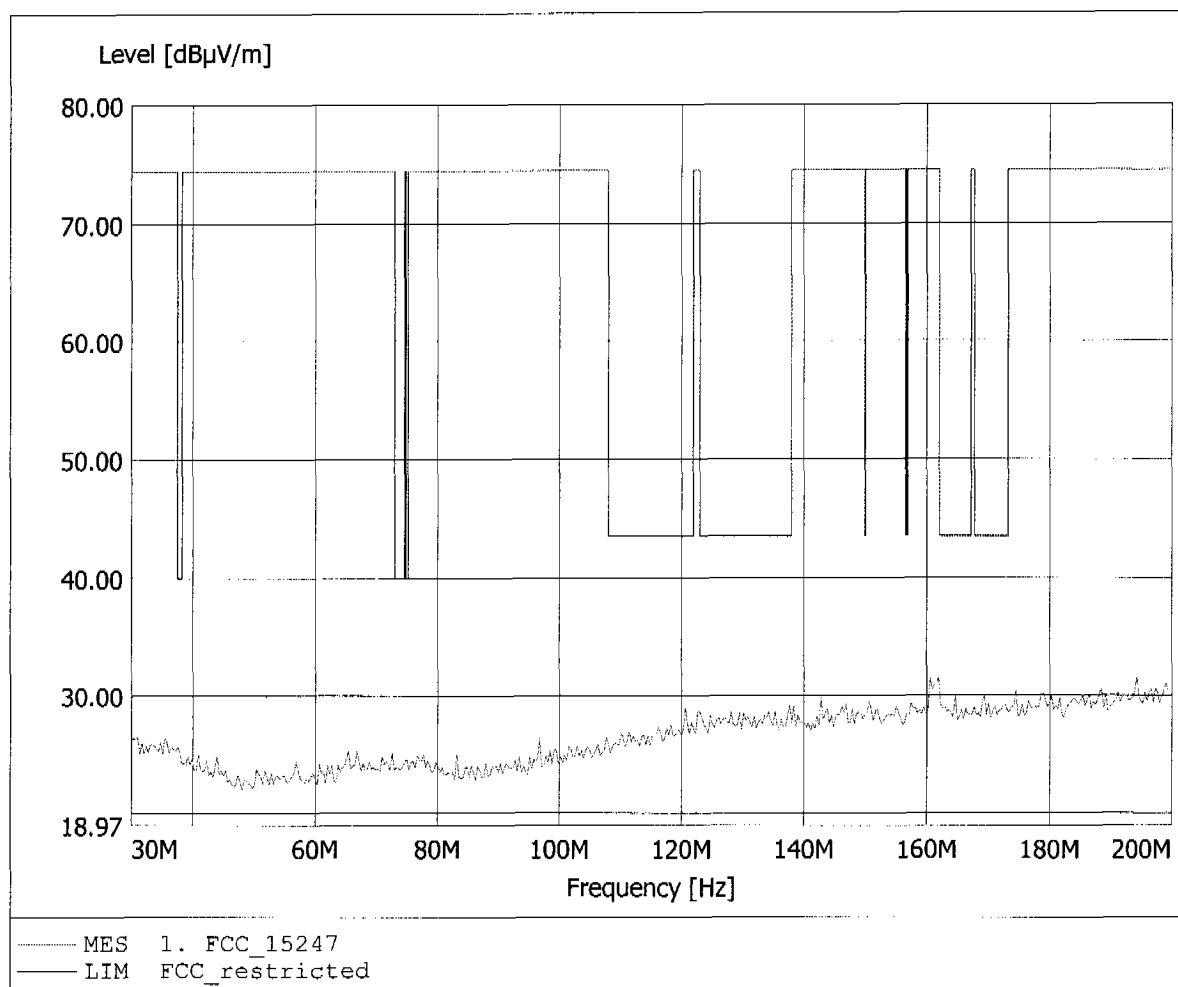
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:6
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 178.878MHz, Emax: 31.19dBuV/m, RBW: 100kHz



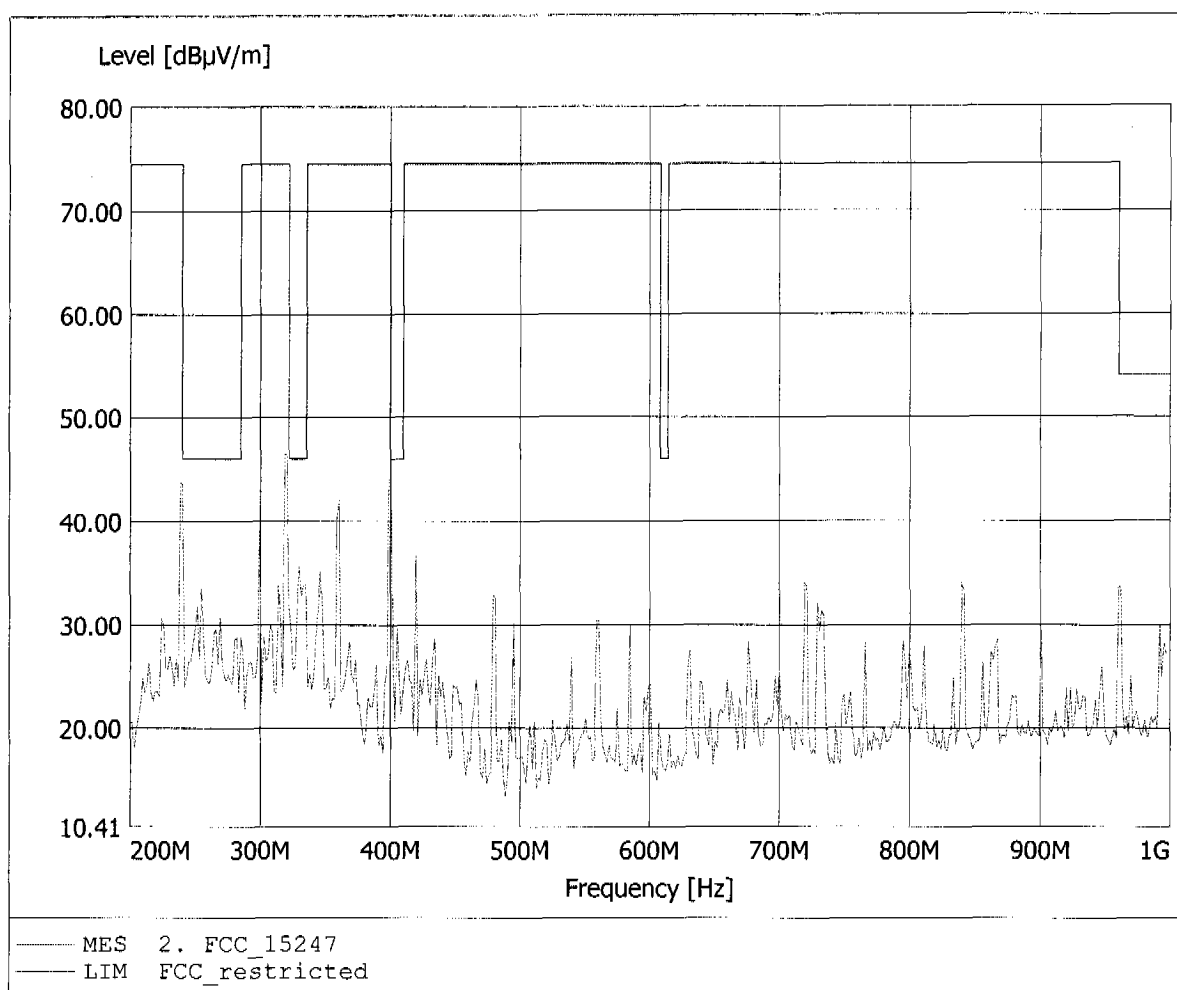
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:6
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 161.844MHz, Emax: 31.64dBµV/m, RBW: 100kHz



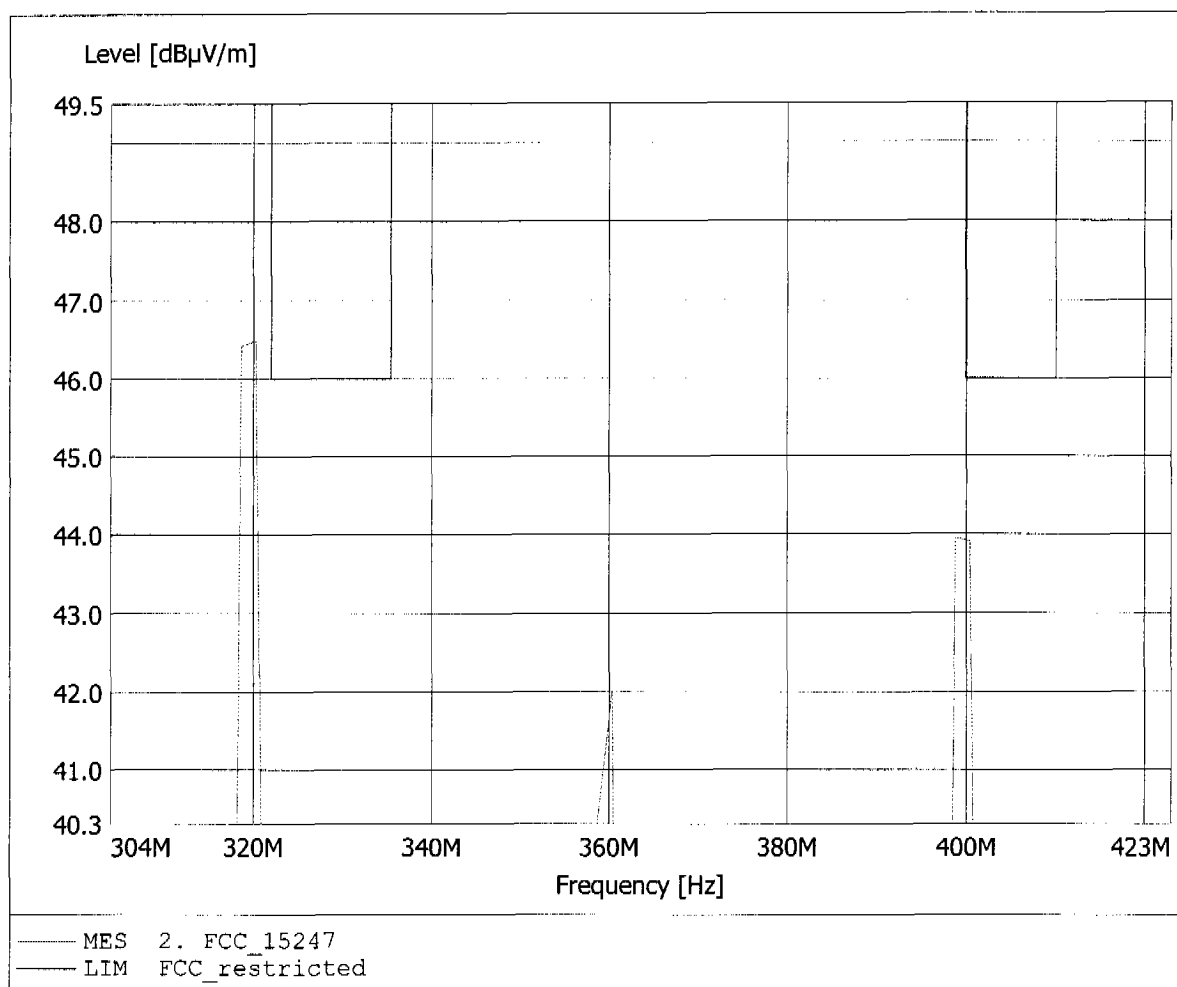
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:6
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 320.240MHz, Emax: 46.49dBµV/m, RBW: 100kHz



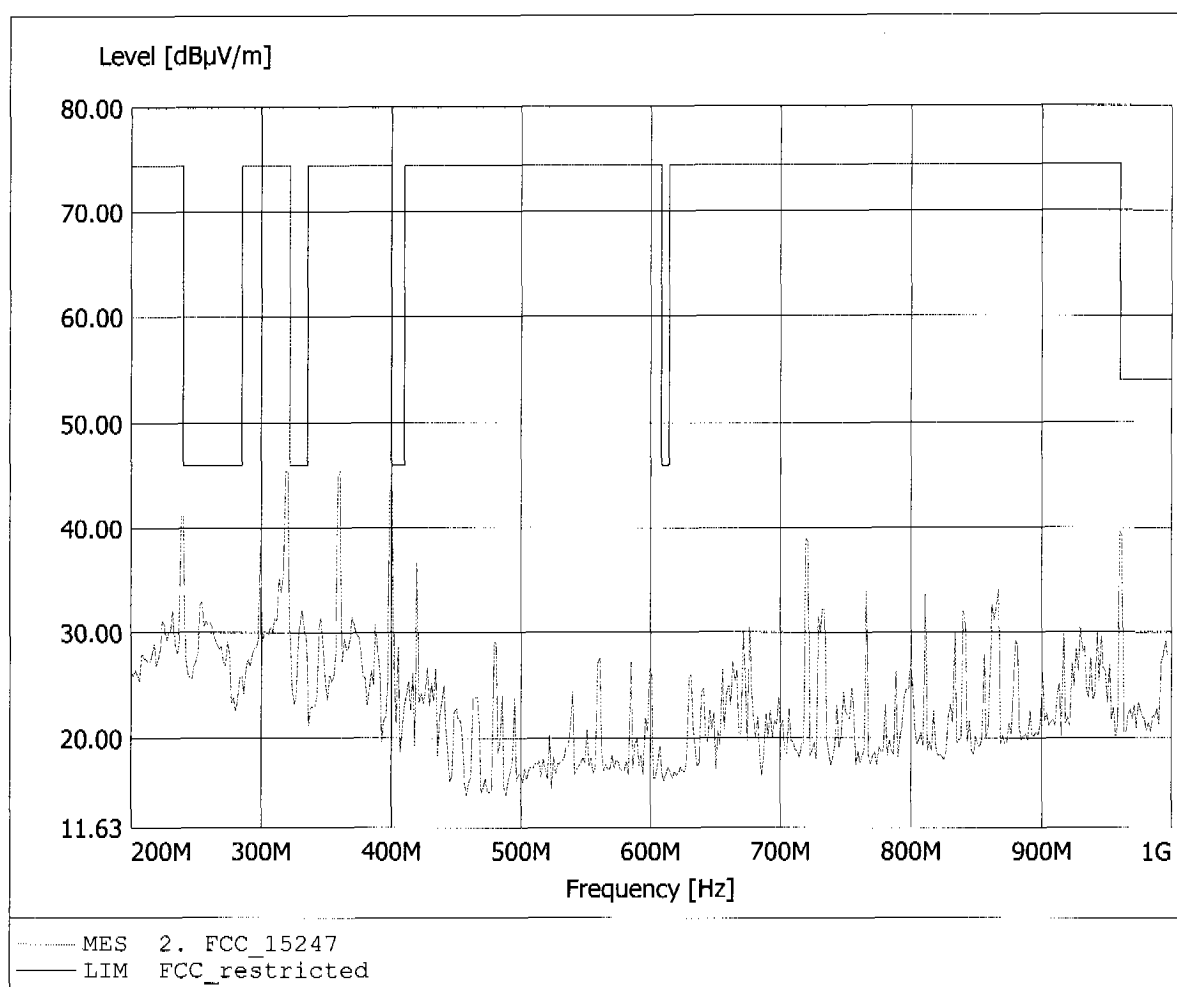
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:6
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 320.240MHz, Emax: 46.49dBµV/m, RBW: 100kHz



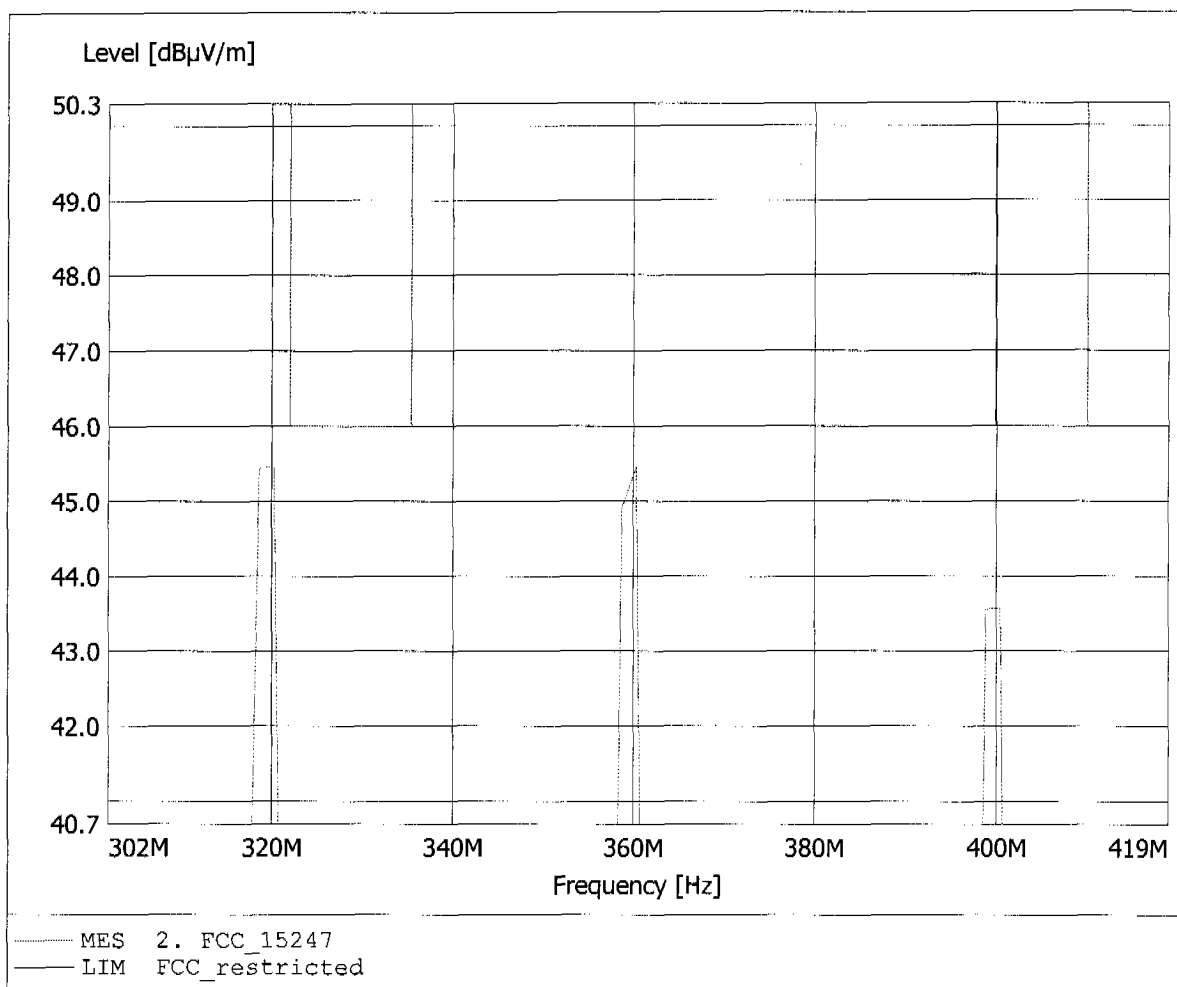
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:6
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 360.321MHz, Emax: 45.46dBµV/m, RBW: 100kHz



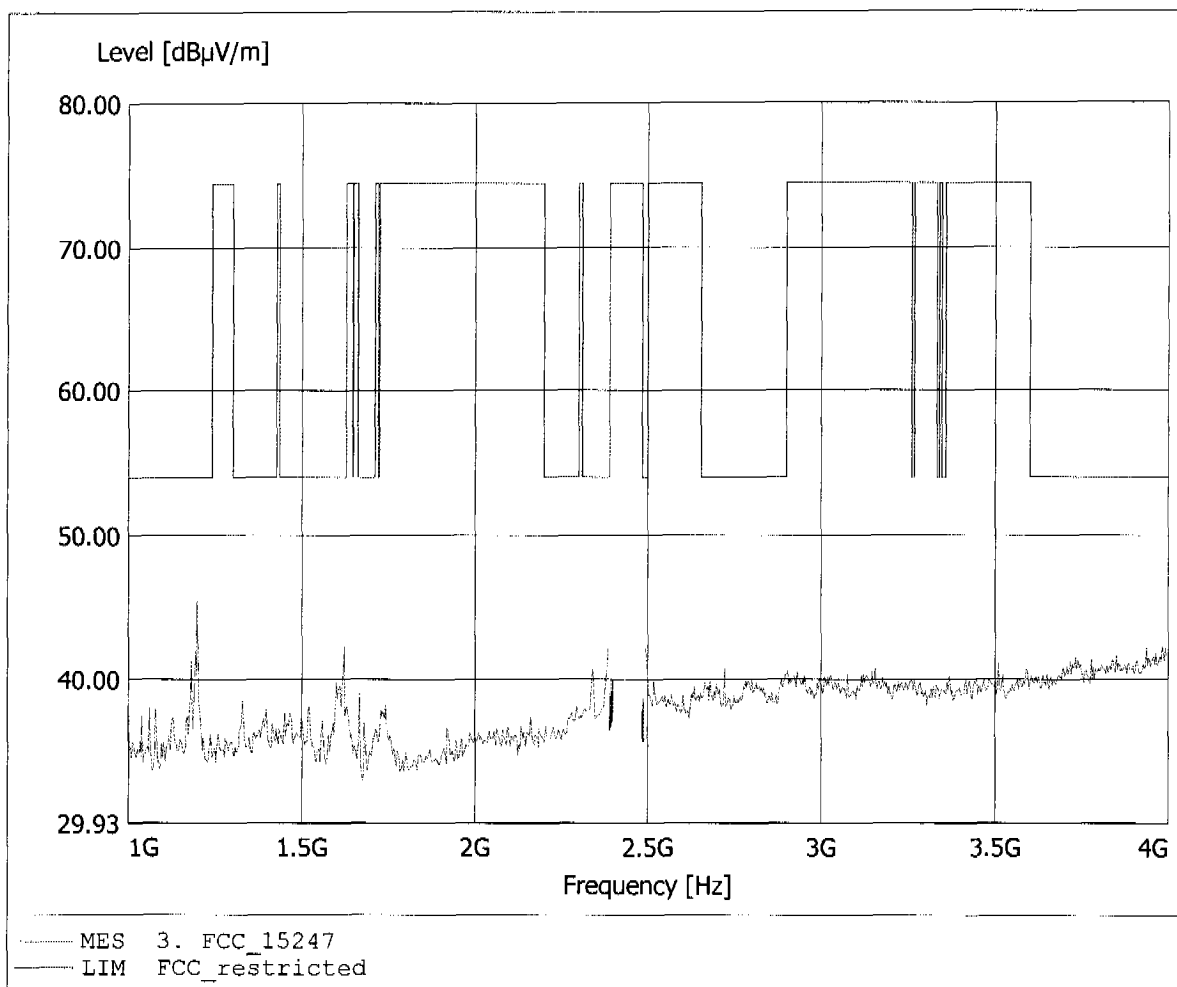
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:6
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 360.321MHz, Emax: 45.46dBuV/m, RBW: 100kHz



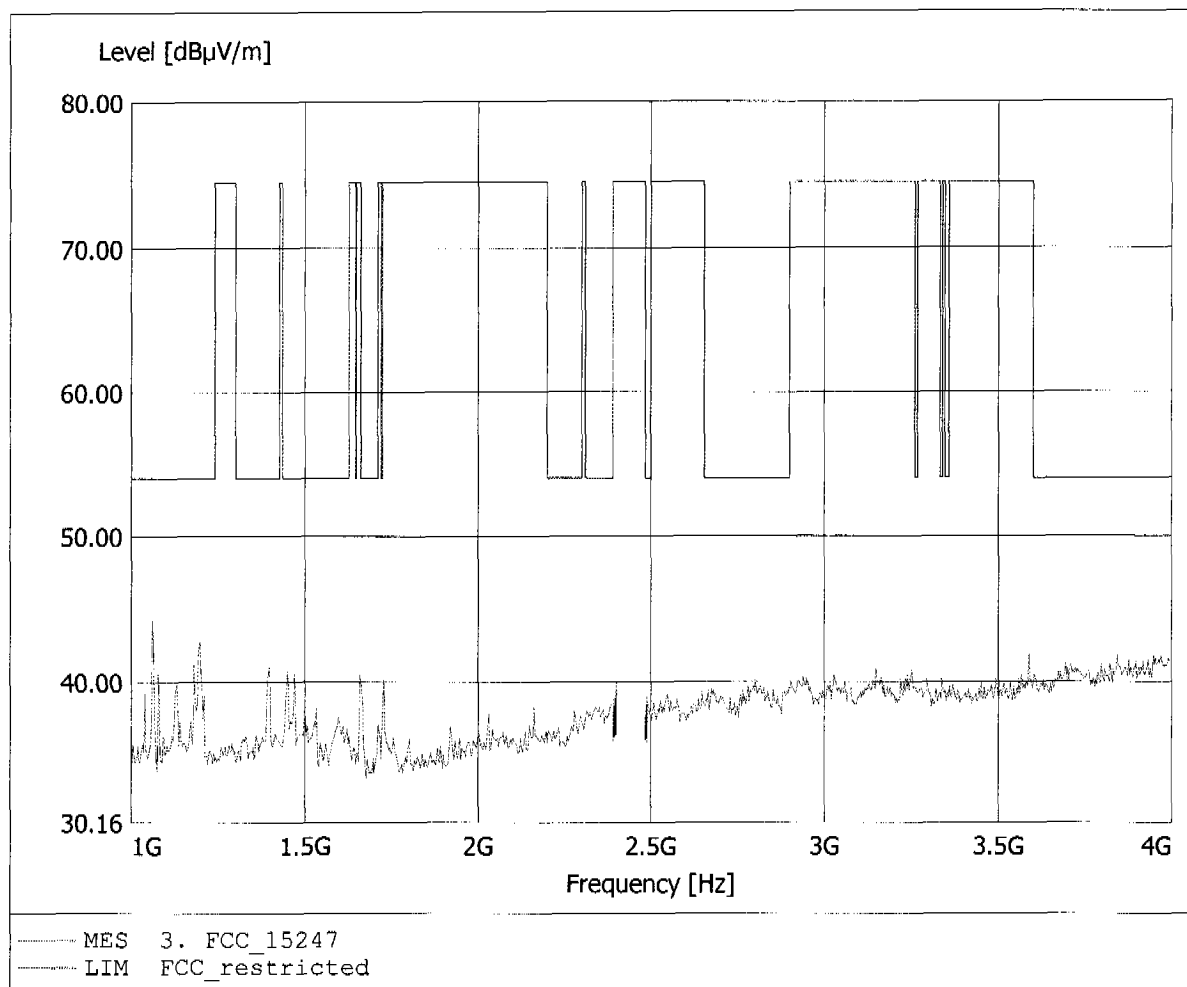
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:6
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.198GHz, Emax: 45.65dBµV/m, RBW: 1MHz



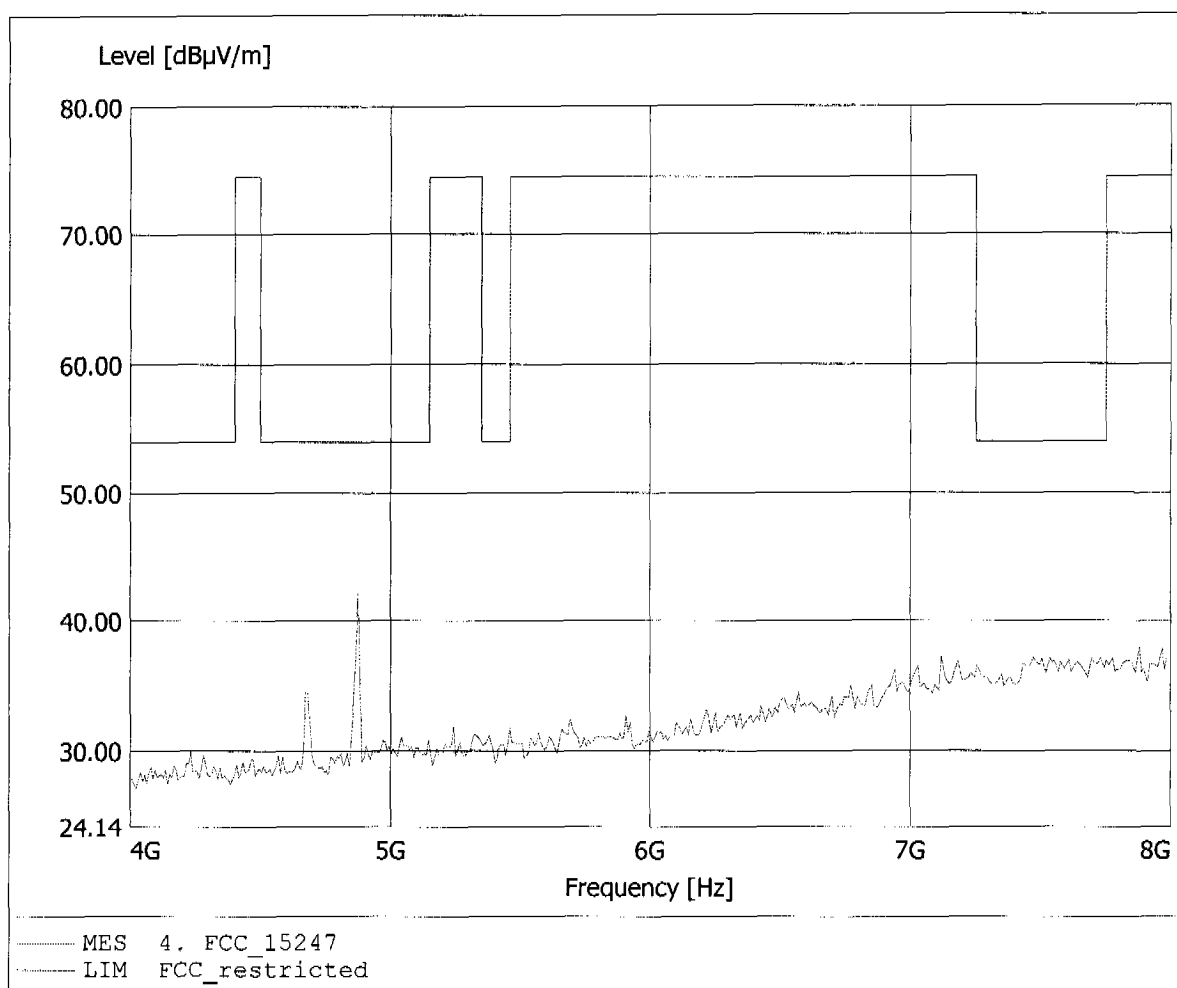
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:6
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.061GHz, Emax: 44.22dBuV/m, RBW: 1MHz



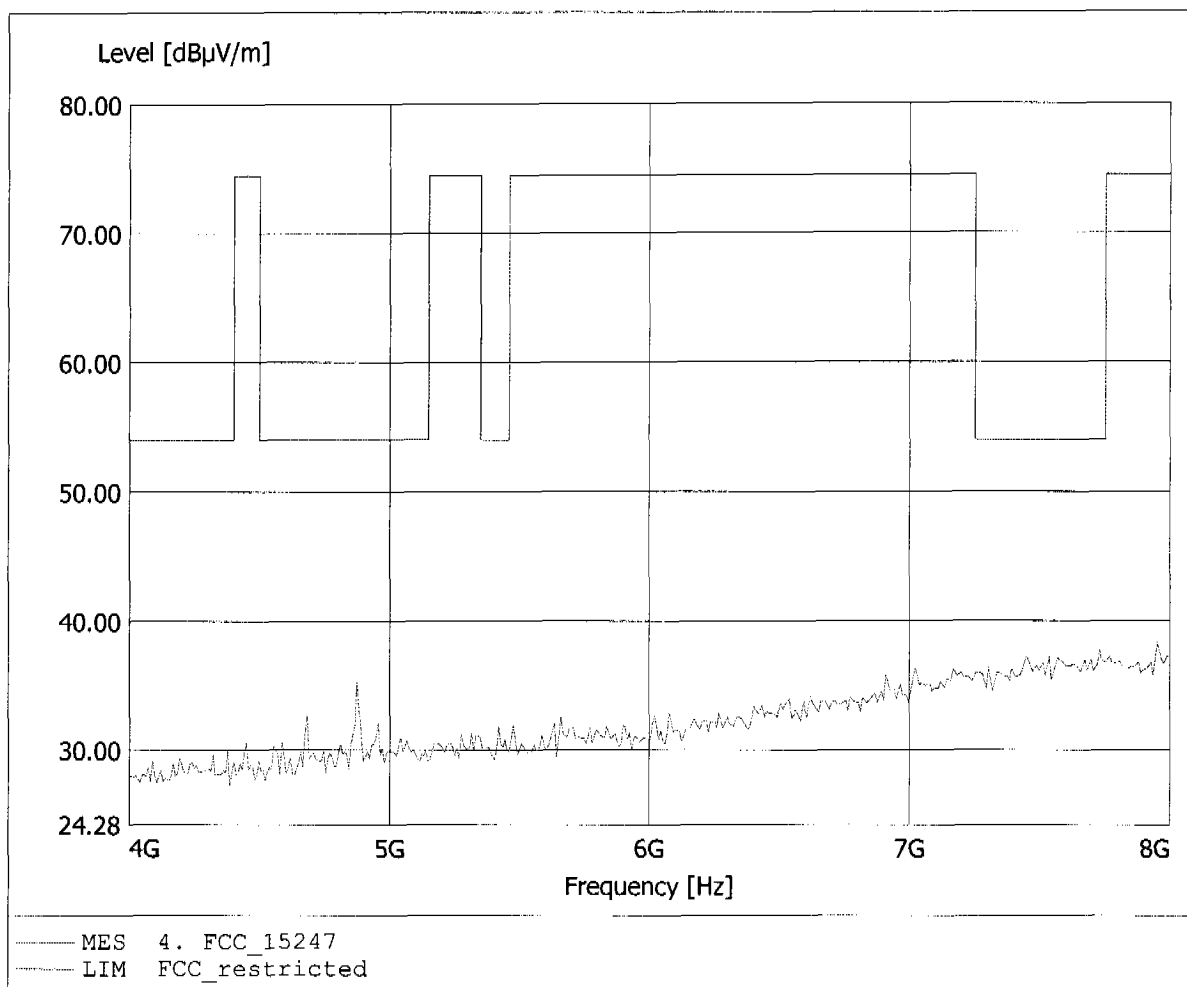
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:6
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.874GHz, Emax: 42.12dBµV/m, RBW: 1MHz



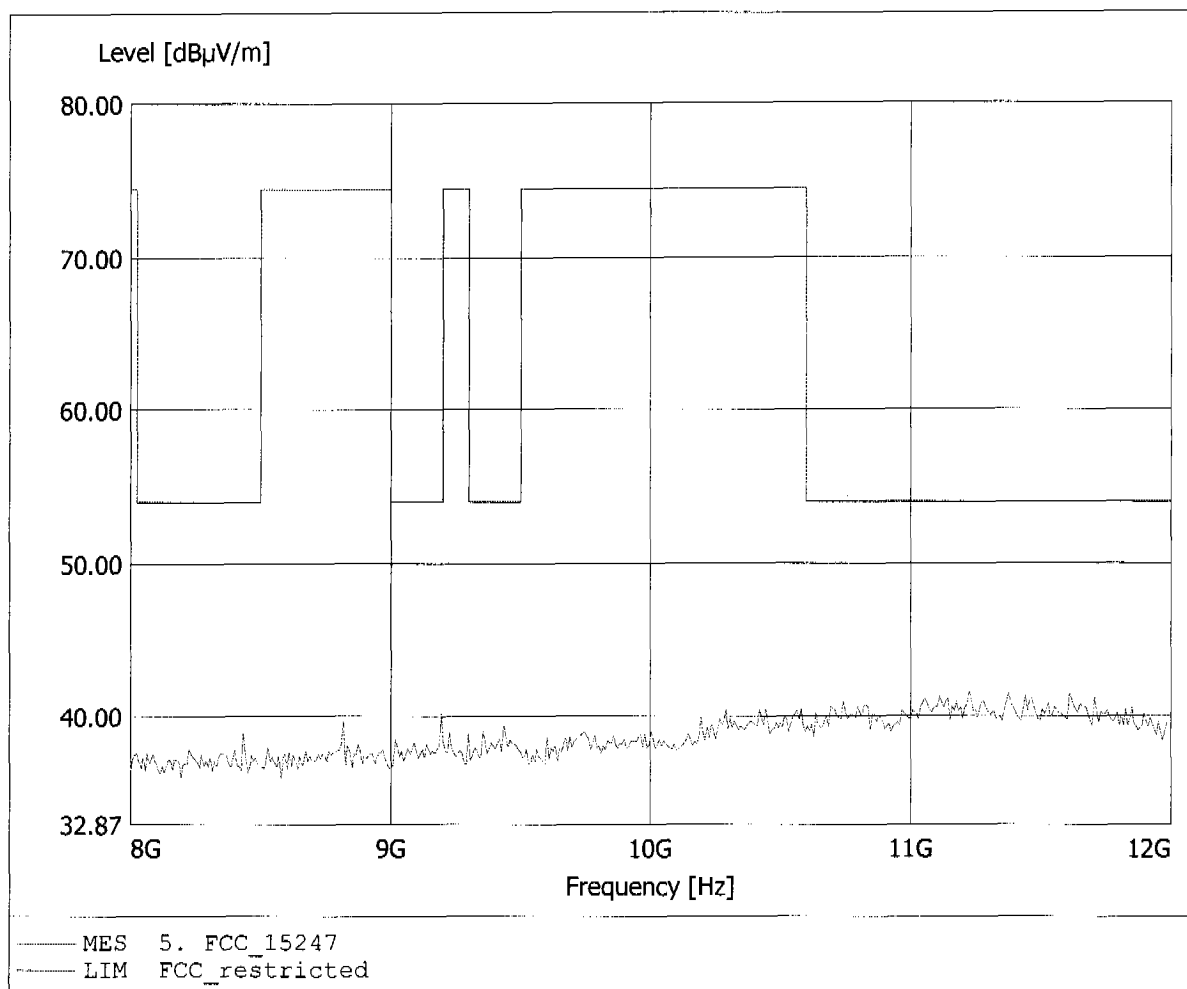
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:6
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.952GHz, Emax: 38.27dBuV/m, RBW: 1MHz



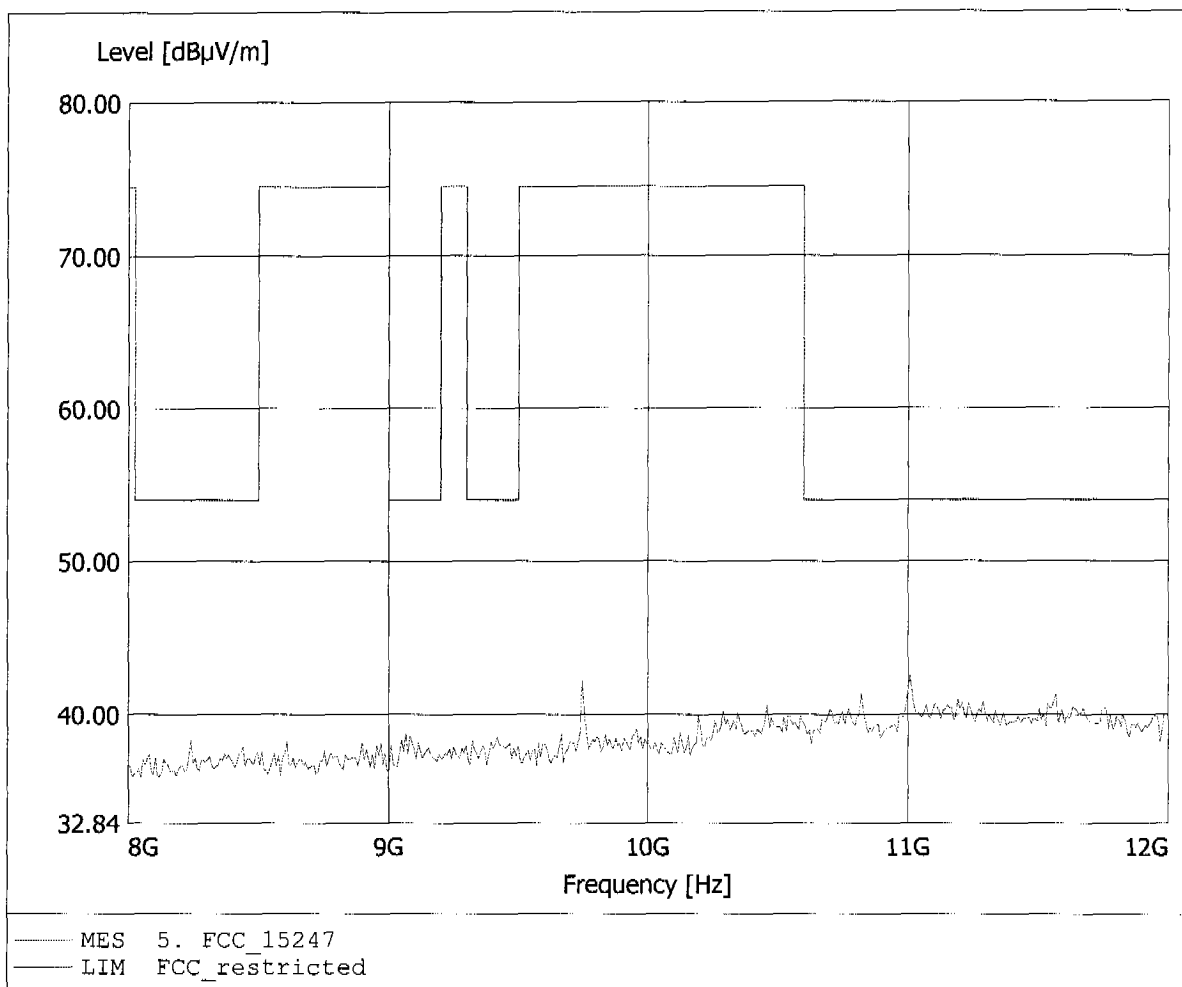
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:6
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.222GHz, Emax: 41.69dBuV/m, RBW: 1MHz



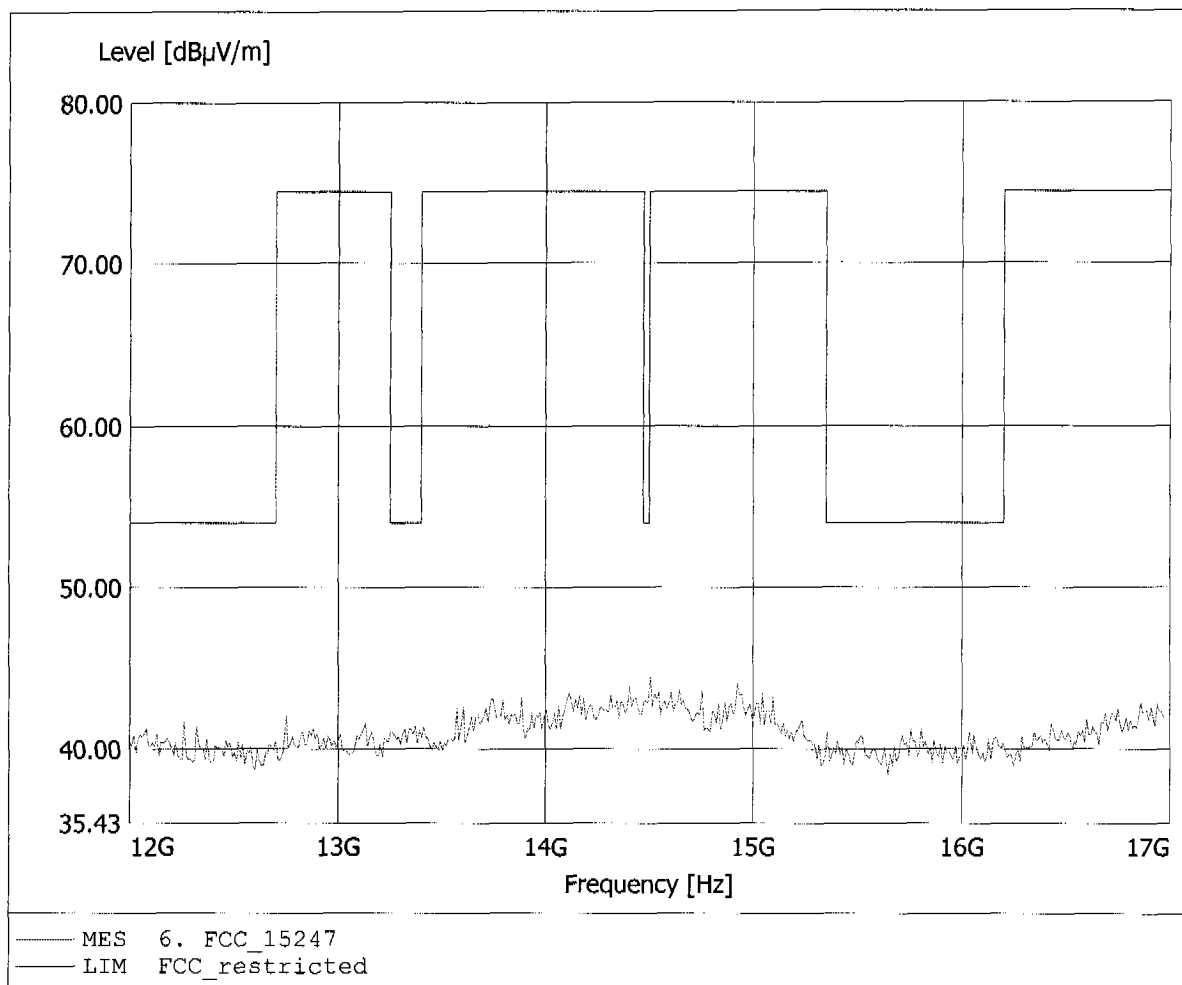
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:6
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.006GHz, Emax: 42.53dBµV/m, RBW: 1MHz



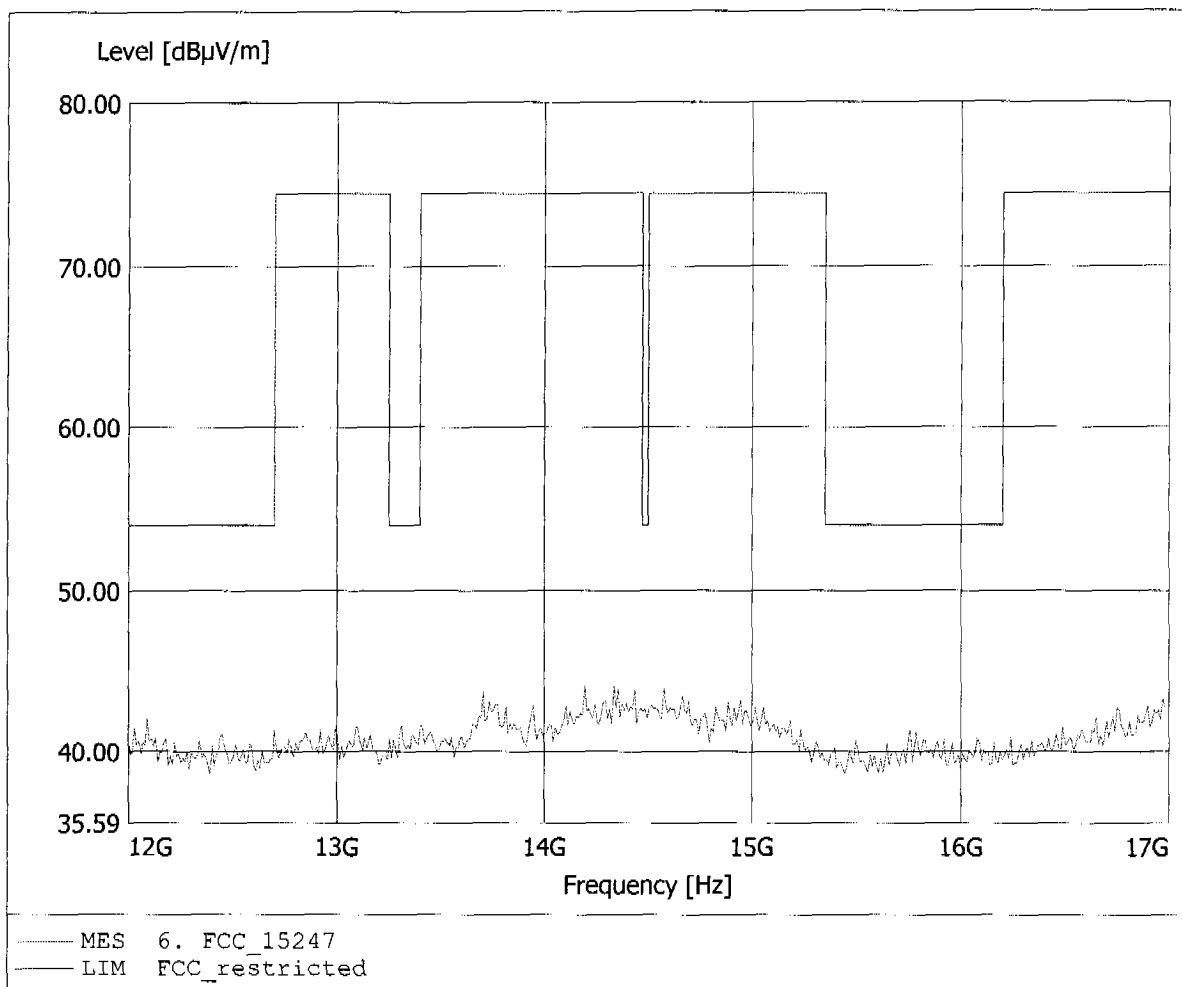
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:6
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.505GHz, Emax: 44.40dBµV/m, RBW: 1MHz



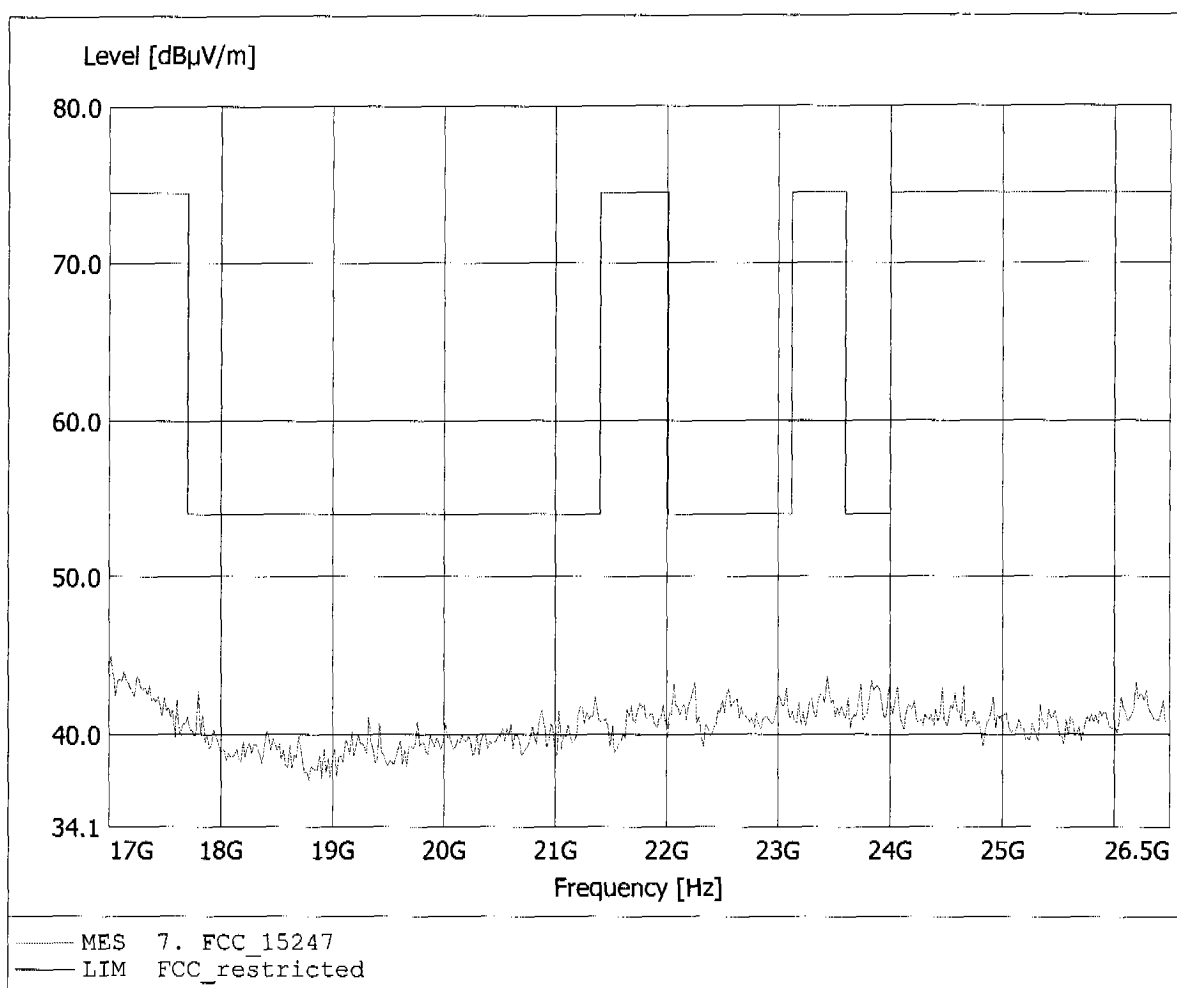
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:6
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.335GHz, Emax: 44.13dBuV/m, RBW: 1MHz



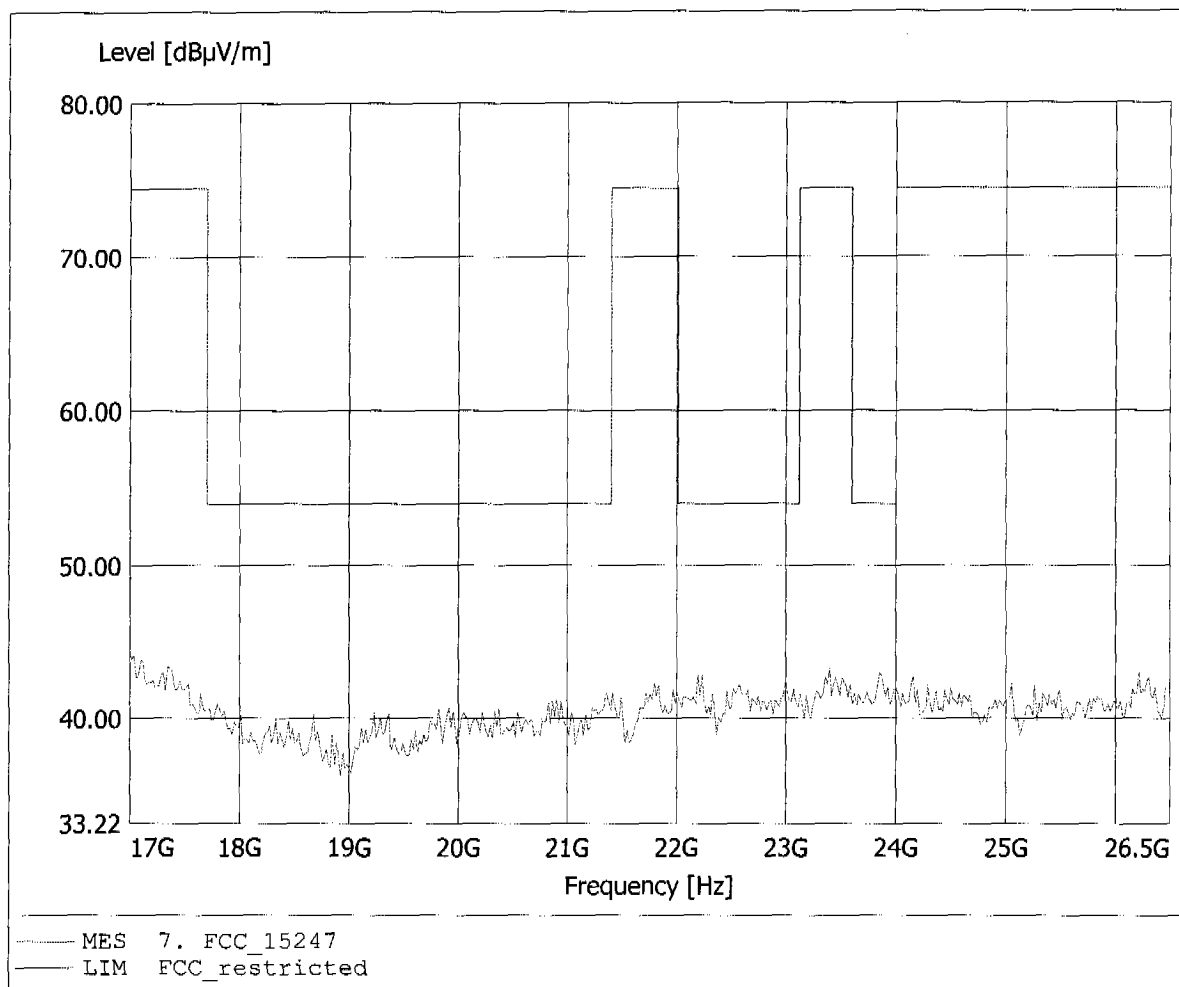
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:6
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.019GHz, Emax: 44.89dBuV/m, RBW: 1MHz



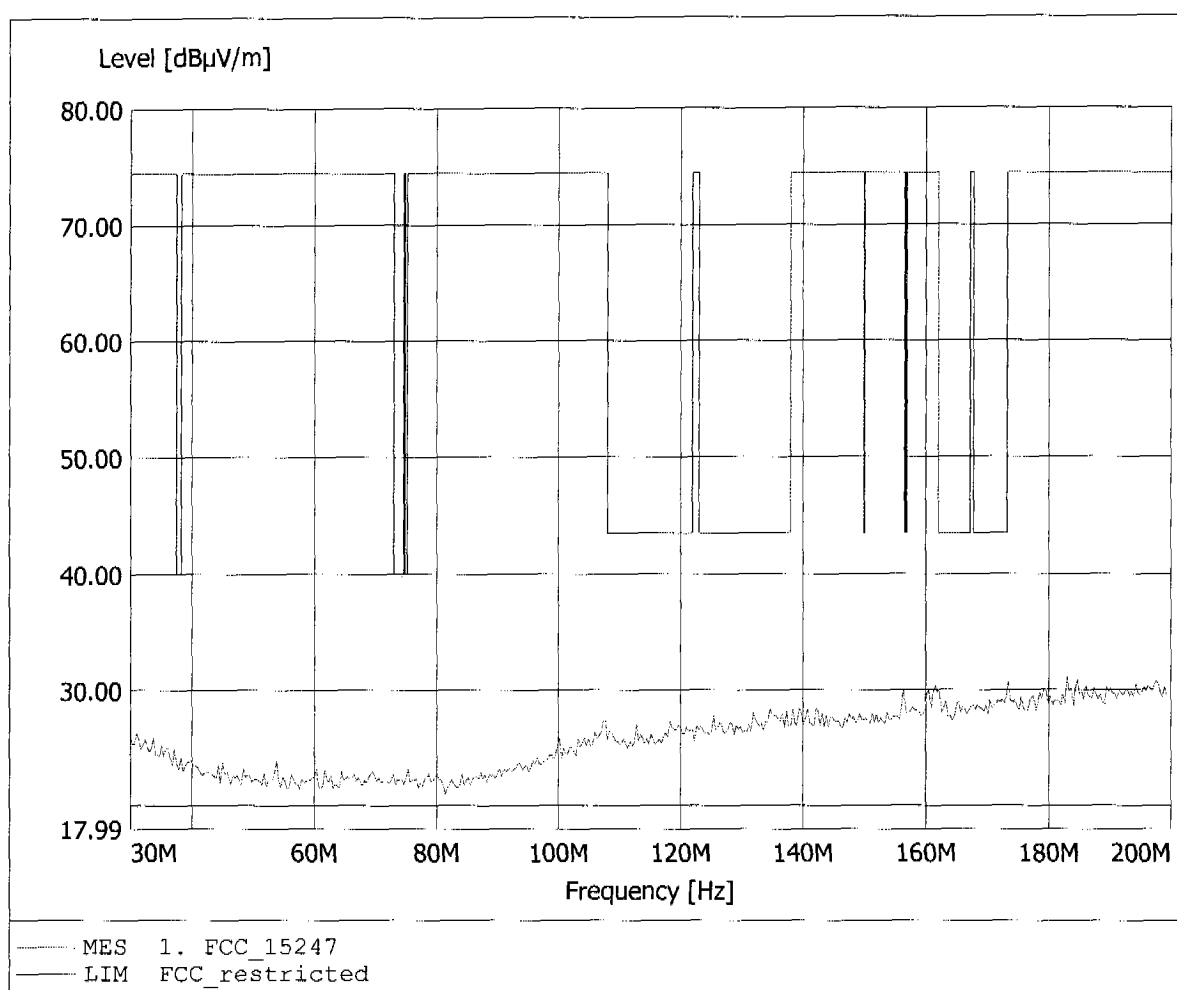
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:6
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.000GHz, Emax: 44.43dBµV/m, RBW: 1MHz



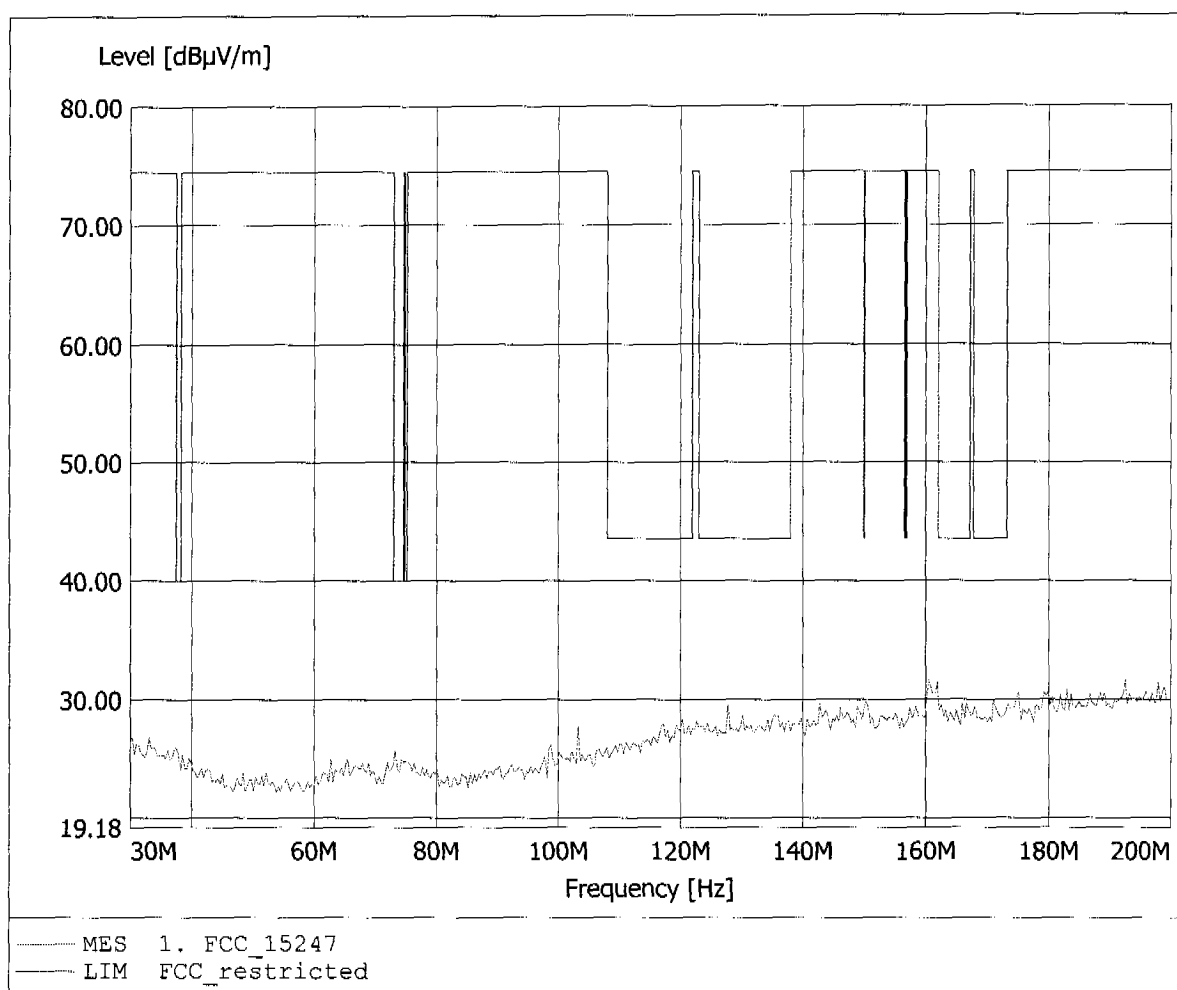
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:11
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 182.966MHz, Emax: 31.09dBµV/m, RBW: 100kHz



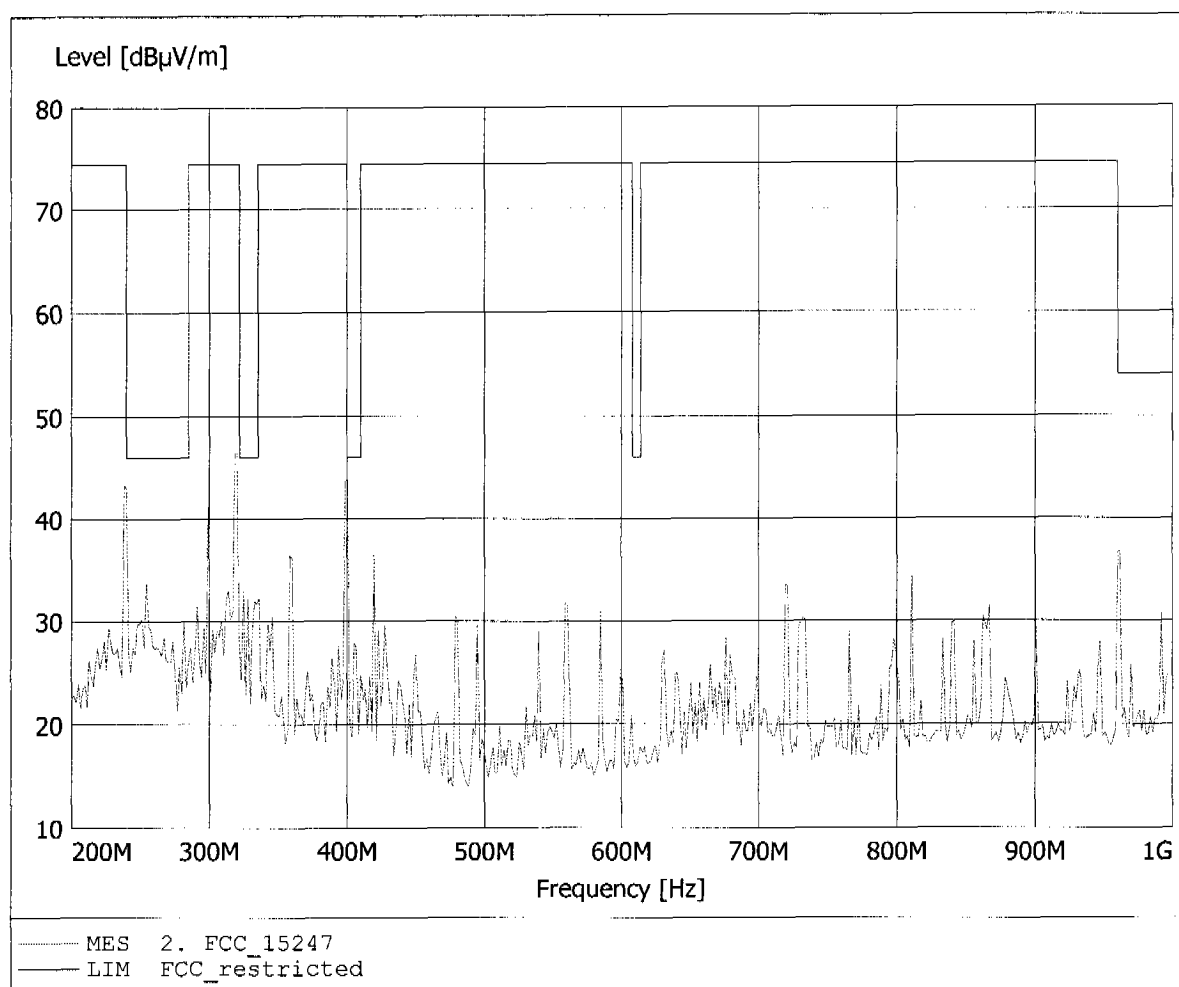
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:11
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 192.505MHz, Emax: 31.67dBµV/m, RBW: 100kHz



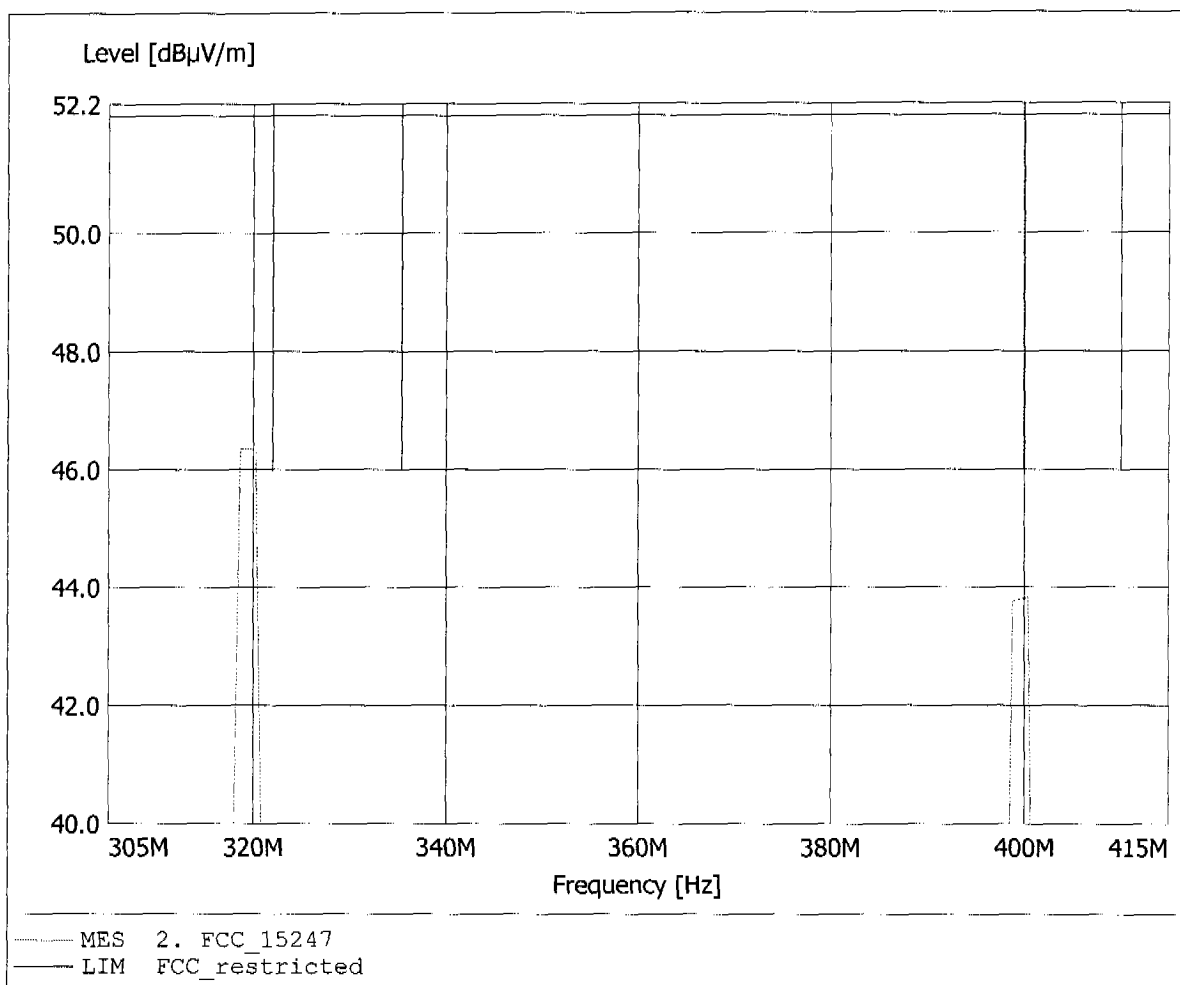
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:11
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 318.637MHz, Emax: 46.36dBuV/m, RBW: 100kHz



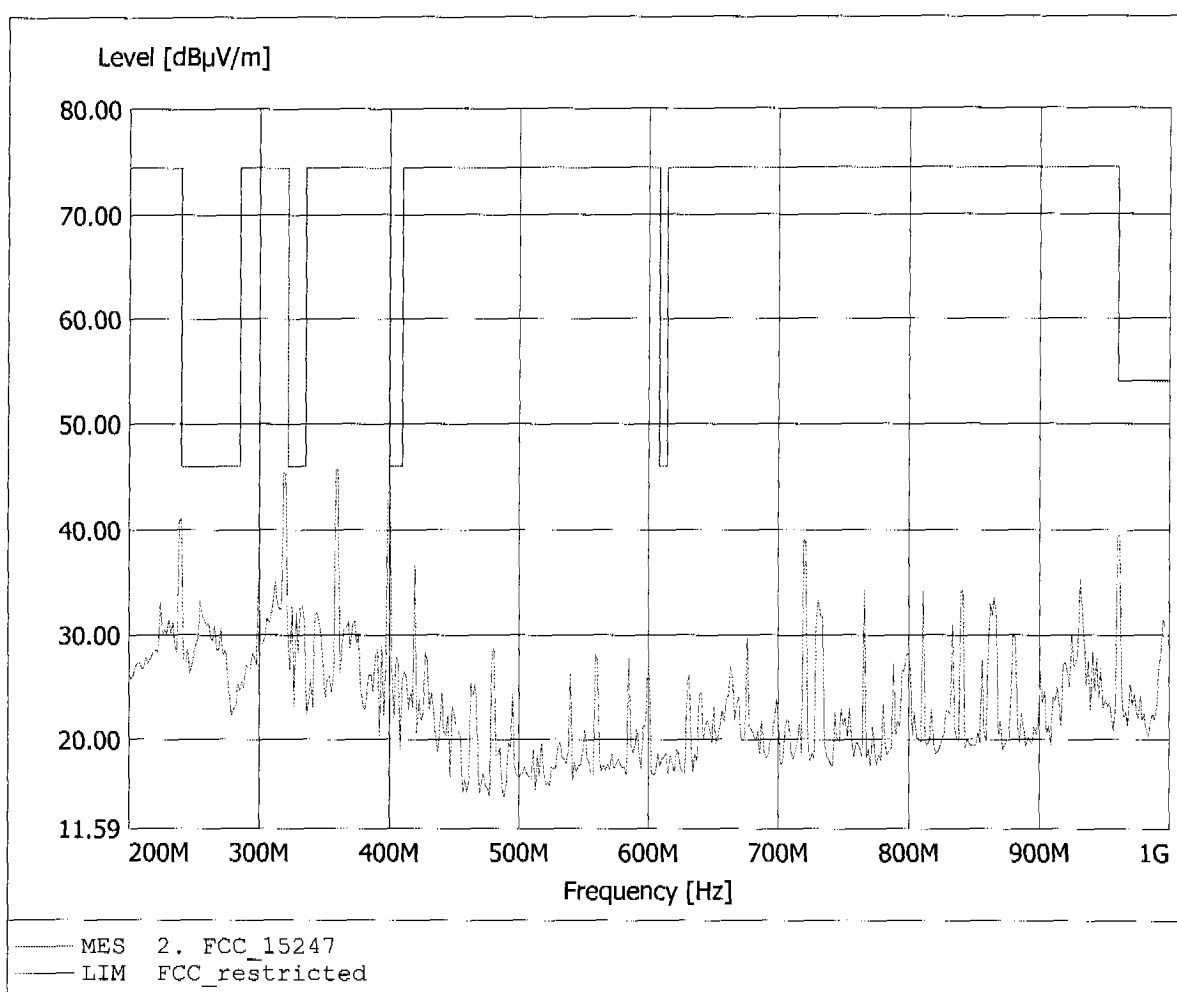
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:11
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 318.637MHz, Emax: 46.36dBuV/m, RBW: 100kHz



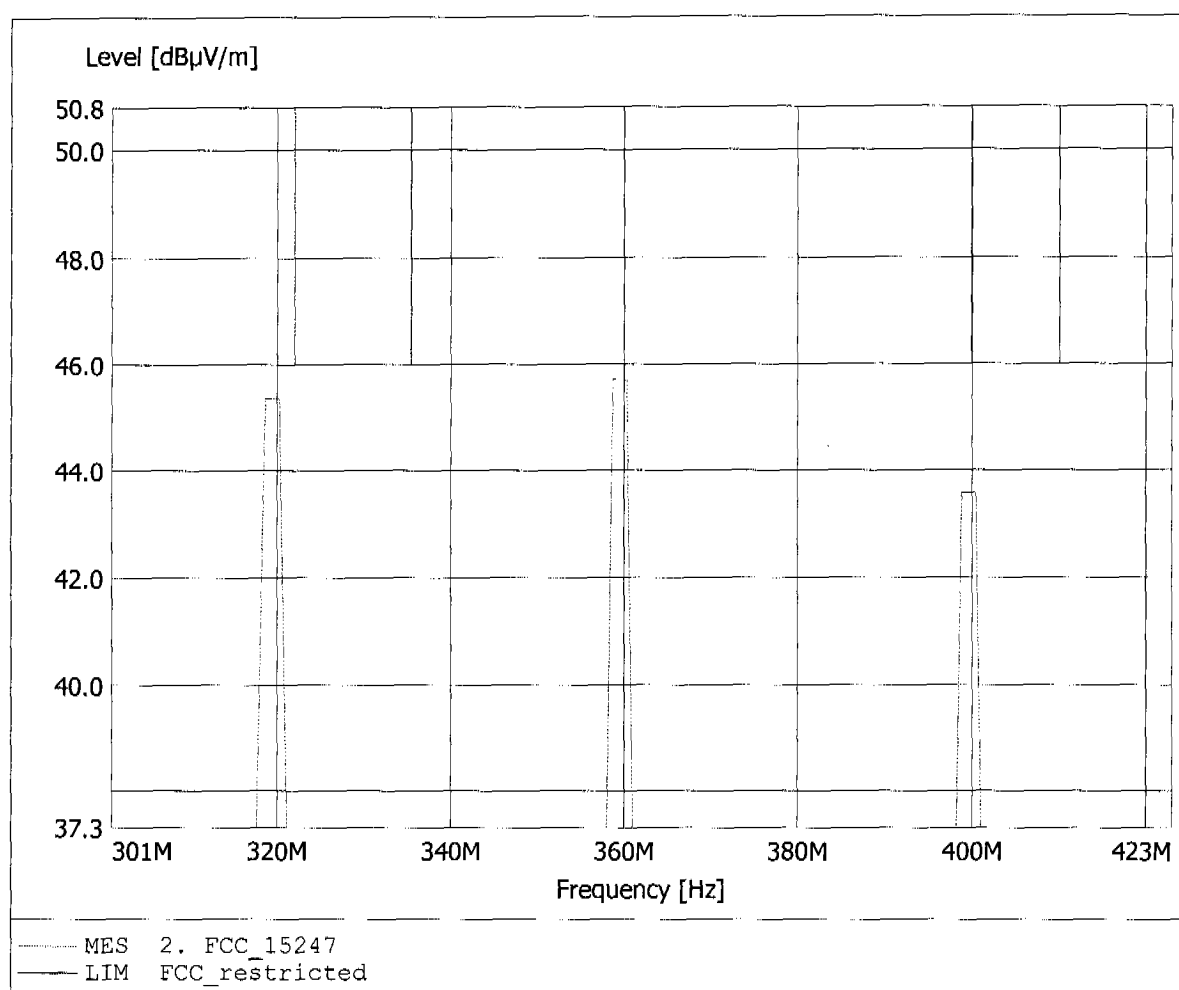
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:11
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 358.717MHz, Emax: 45.72dBµV/m, RBW: 100kHz



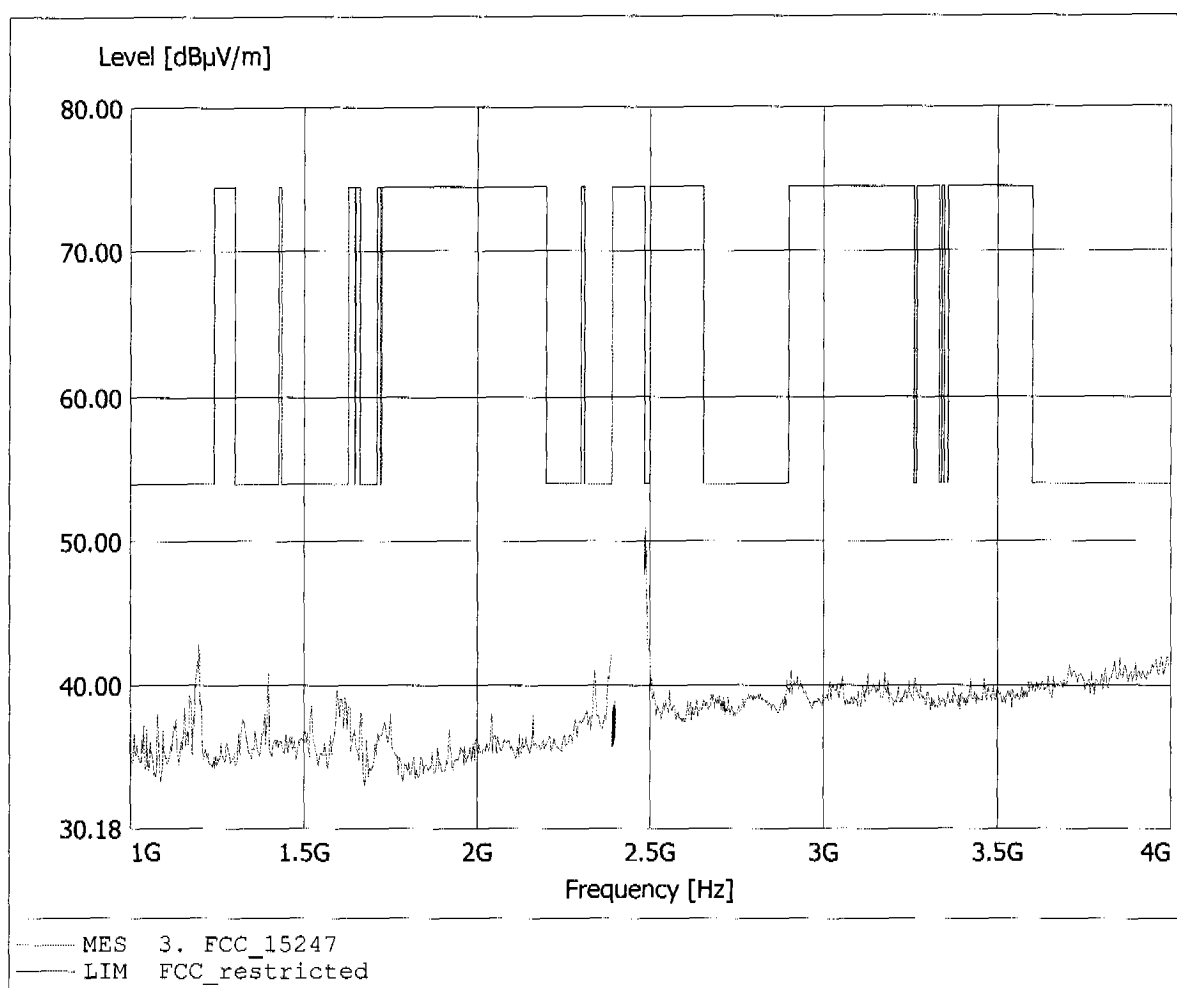
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:11
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 358.717MHz, Emax: 45.72dBµV/m, RBW: 100kHz



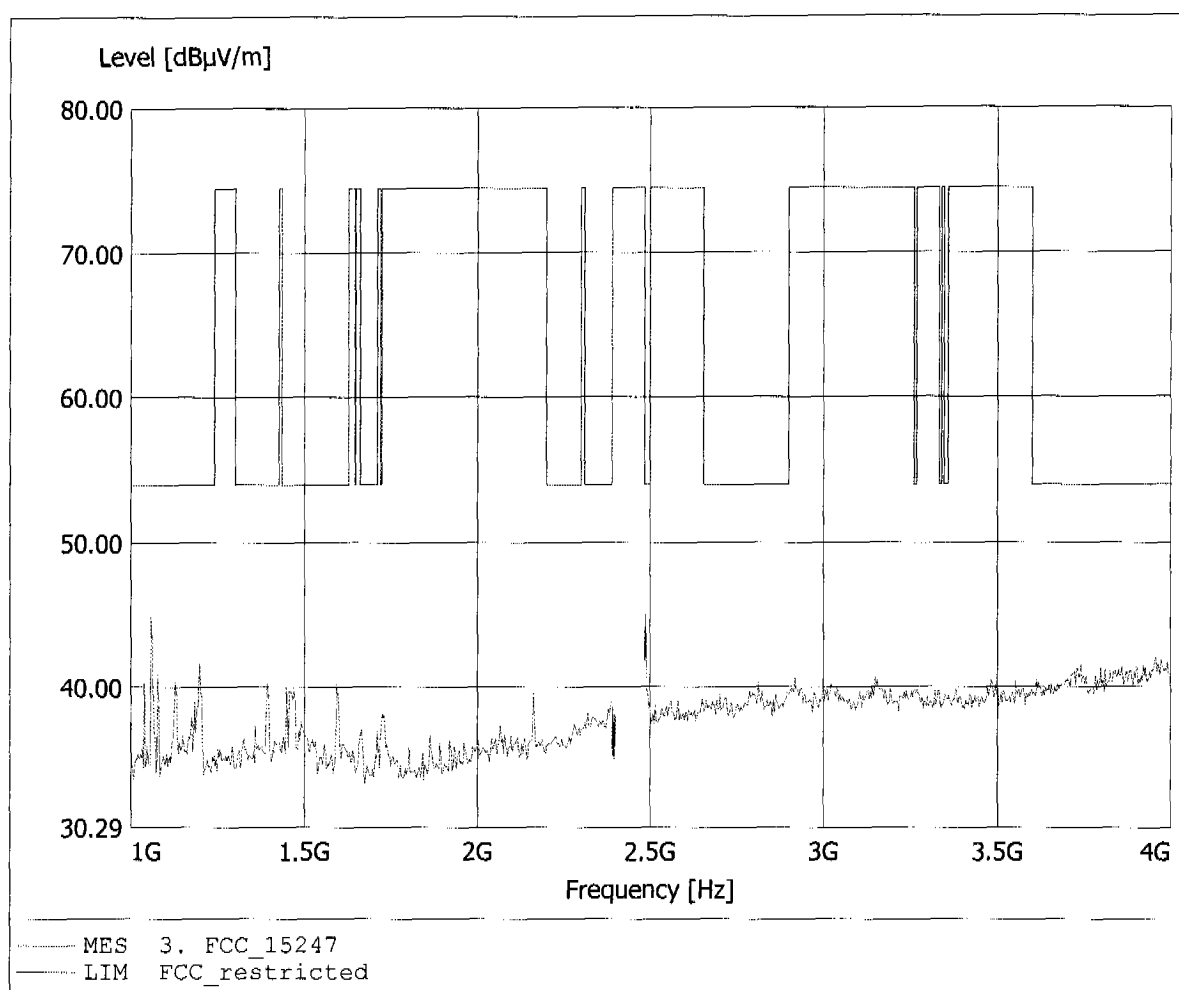
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:11
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.488GHz, Emax: 51.00dBµV/m, RBW: 1MHz



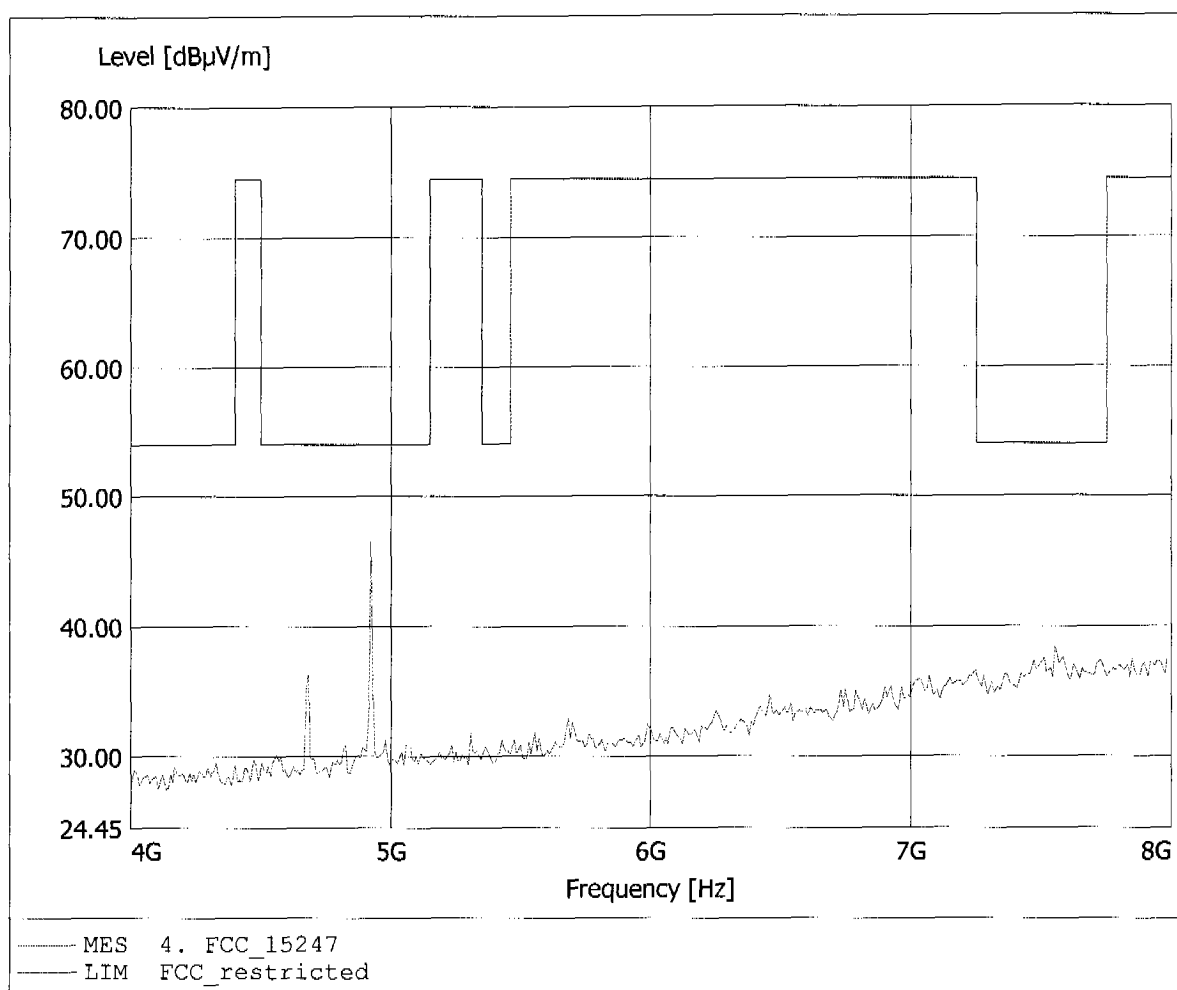
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:11
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.488GHz, Emax: 45.01dBµV/m, RBW: 1MHz



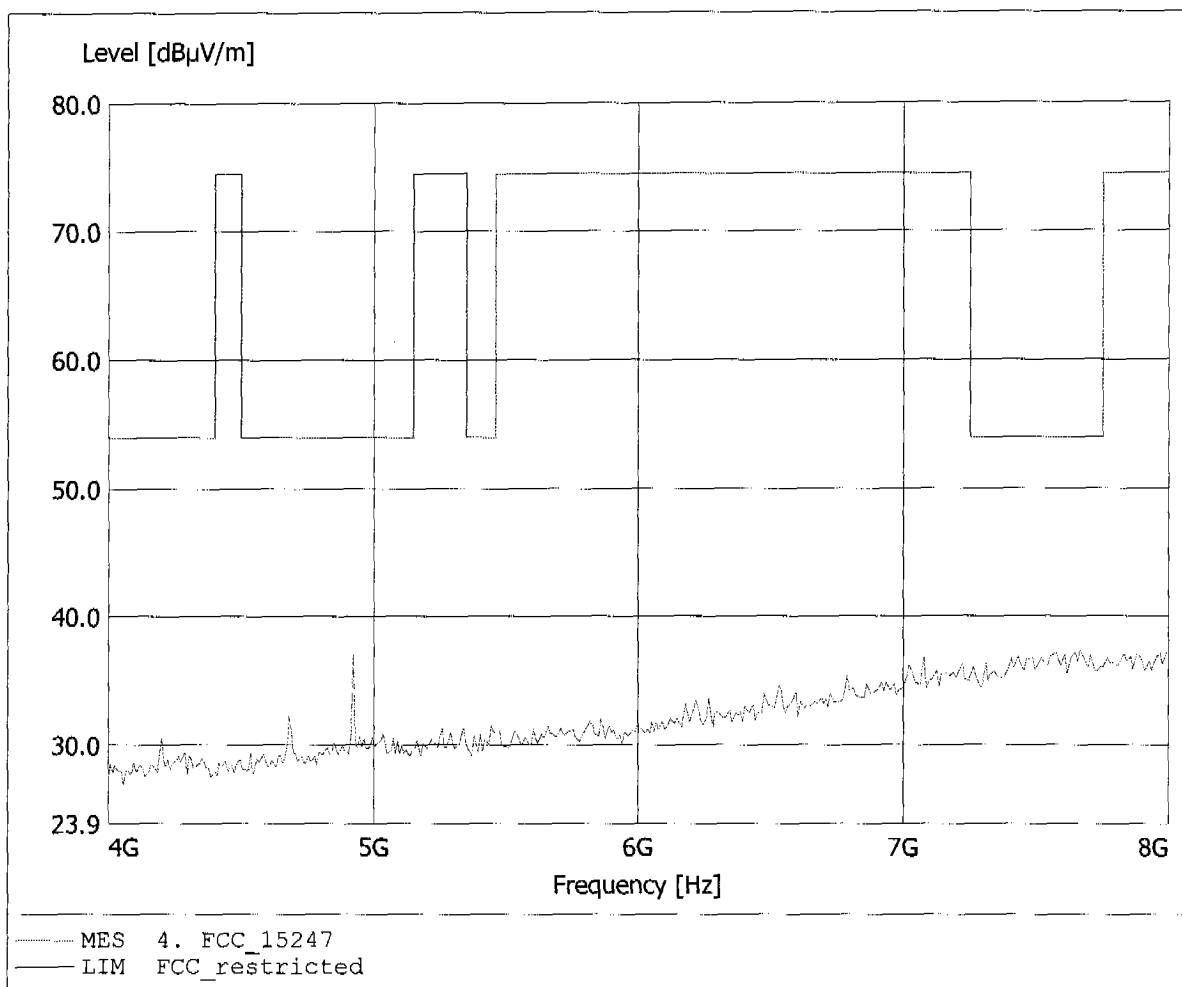
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:11
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.922GHz, Emax: 46.56dBµV/m, RBW: 1MHz



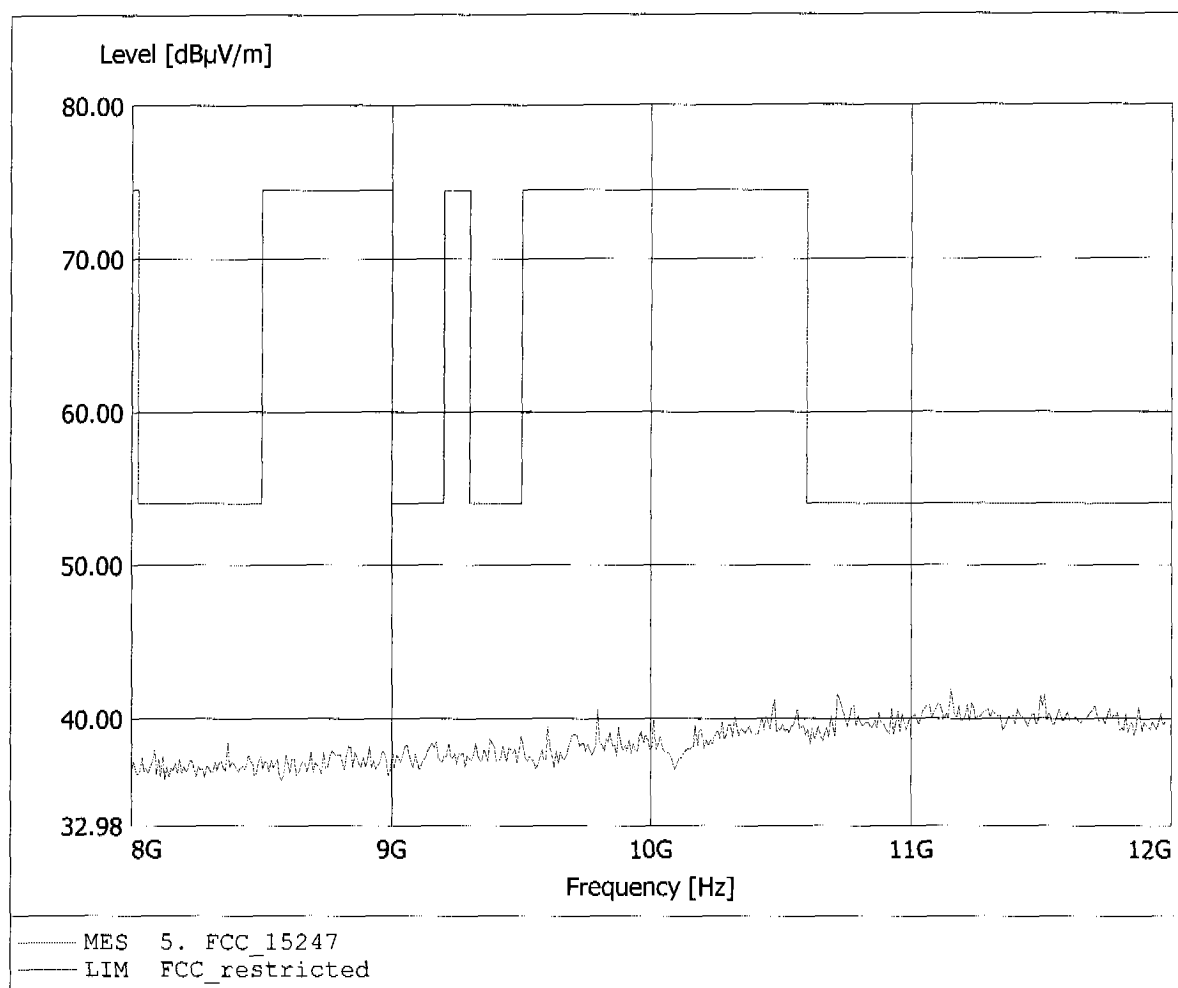
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:11
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.663GHz, Emax: 37.35dBµV/m, RBW: 1MHz



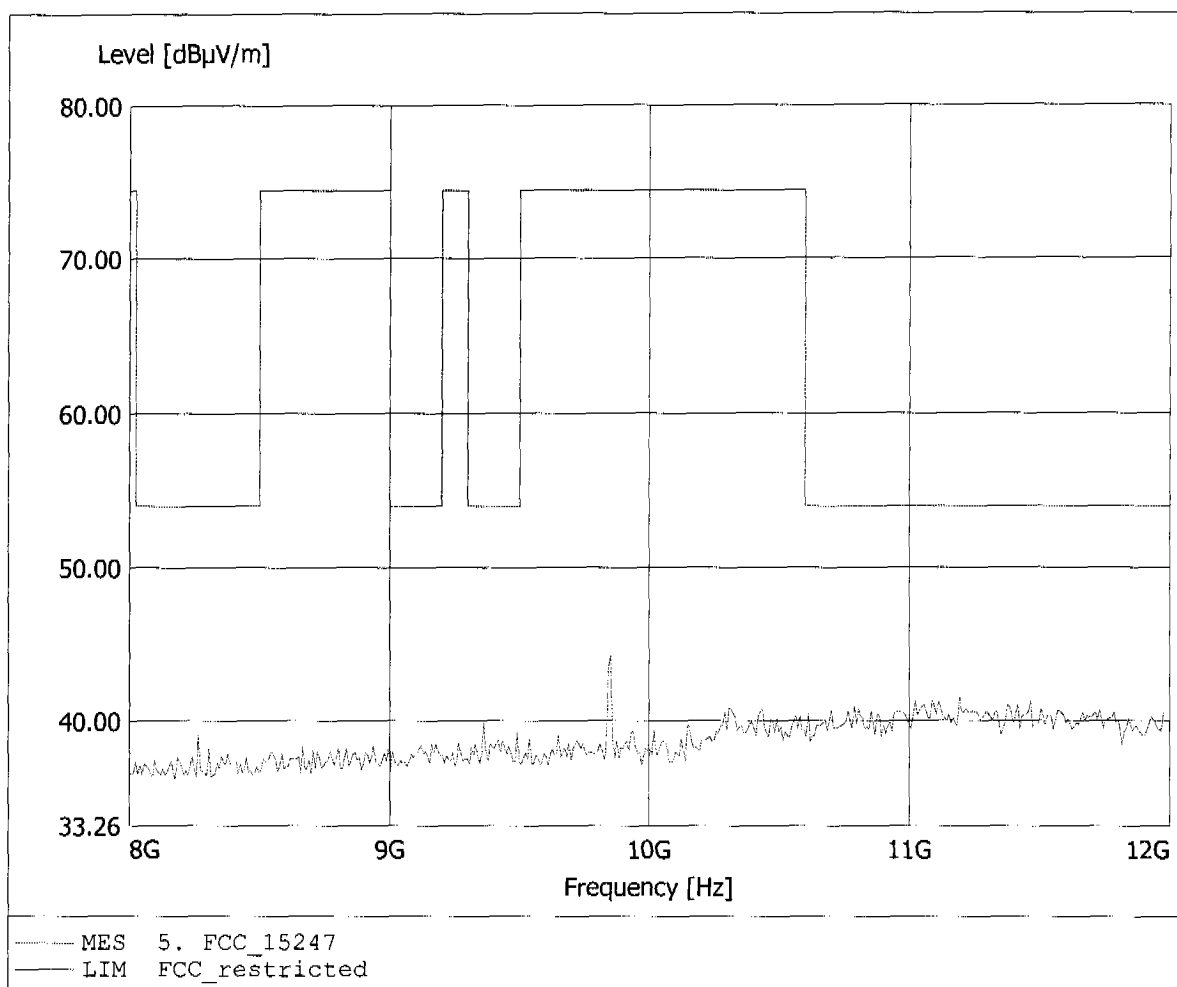
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:11
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.150GHz, Emax: 41.87dBμV/m, RBW: 1MHz



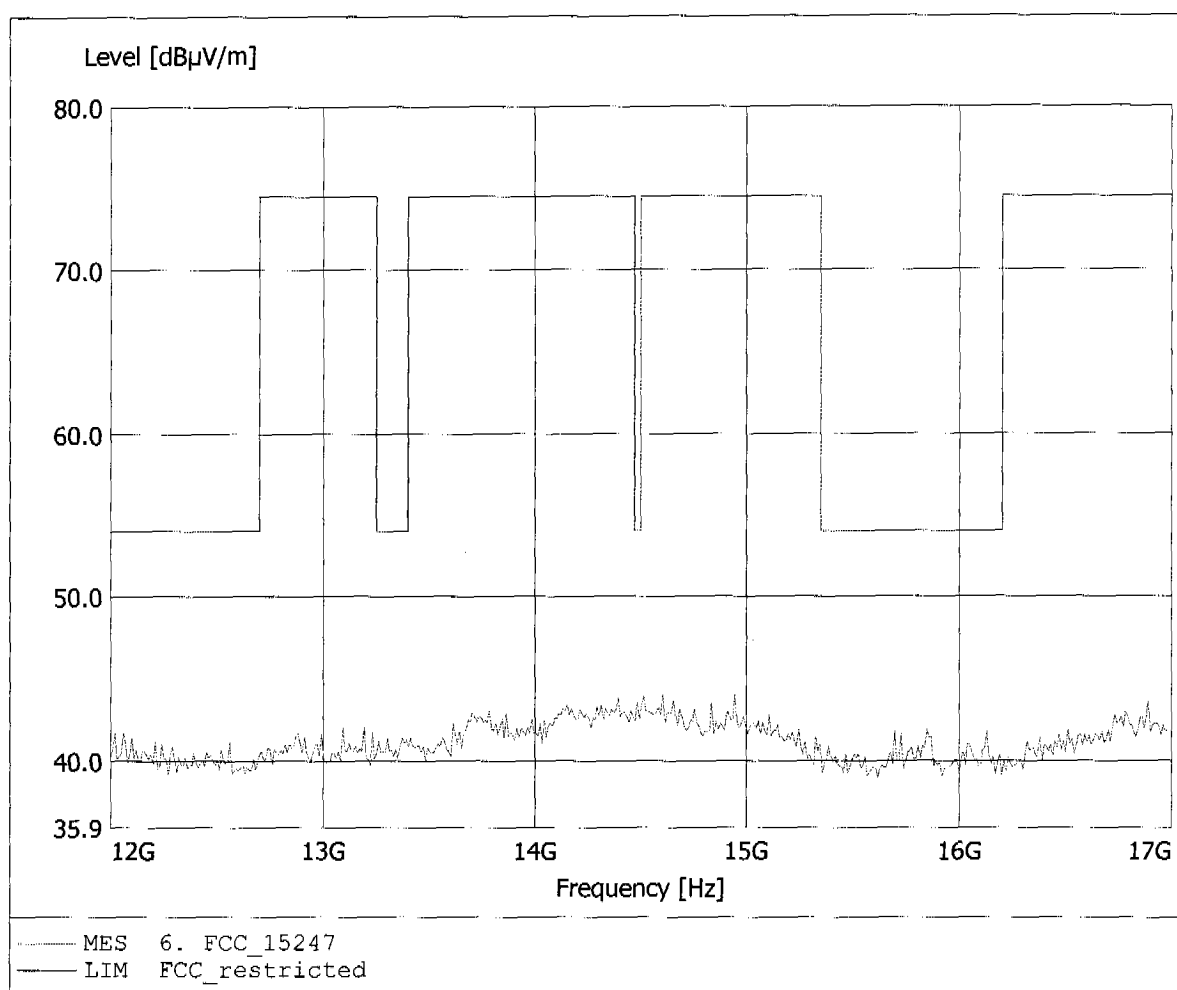
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:11
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.852GHz, Emax: 44.20dBµV/m, RBW: 1MHz



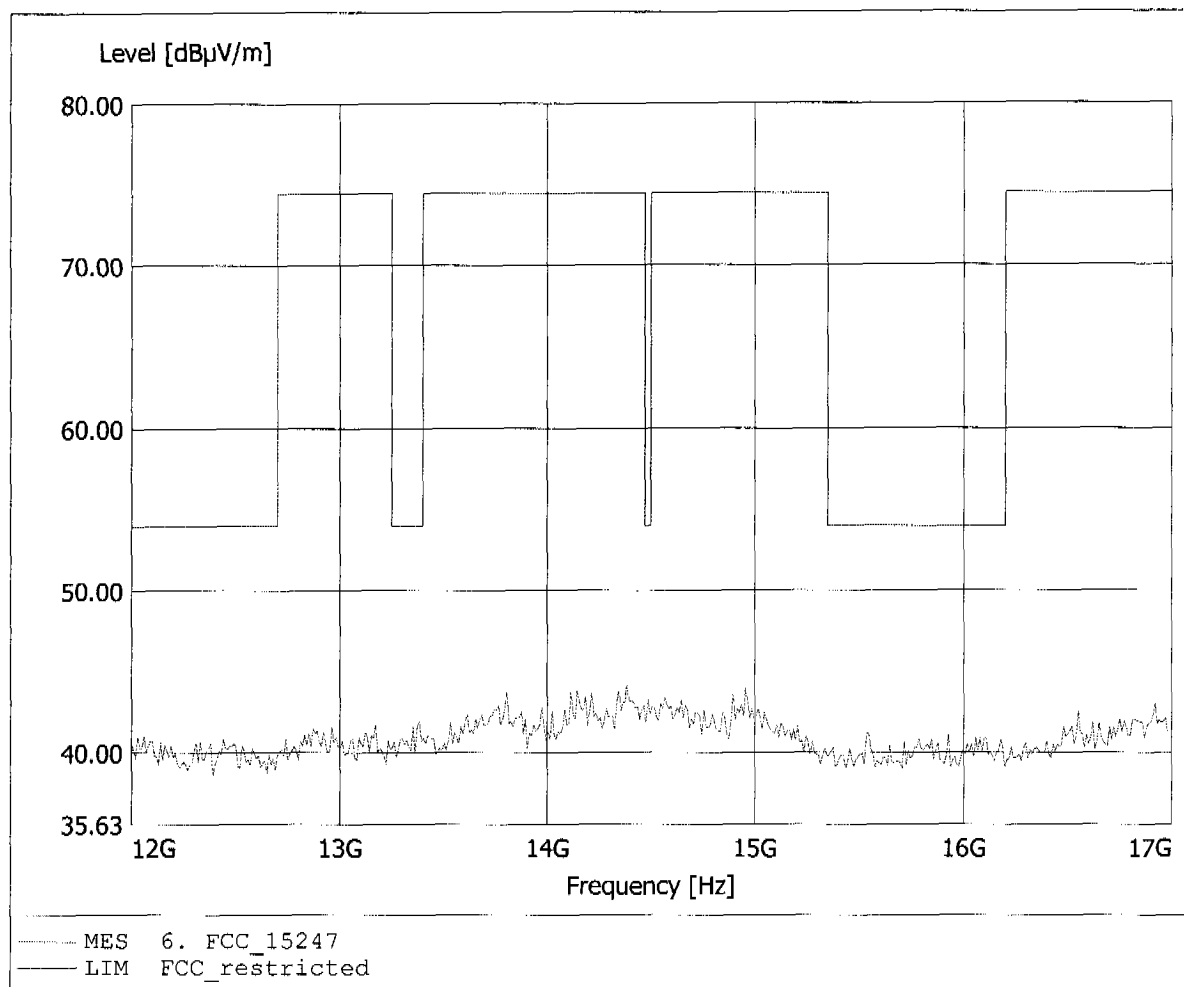
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:11
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.605GHz, Emax: 44.06dBµV/m, RBW: 1MHz



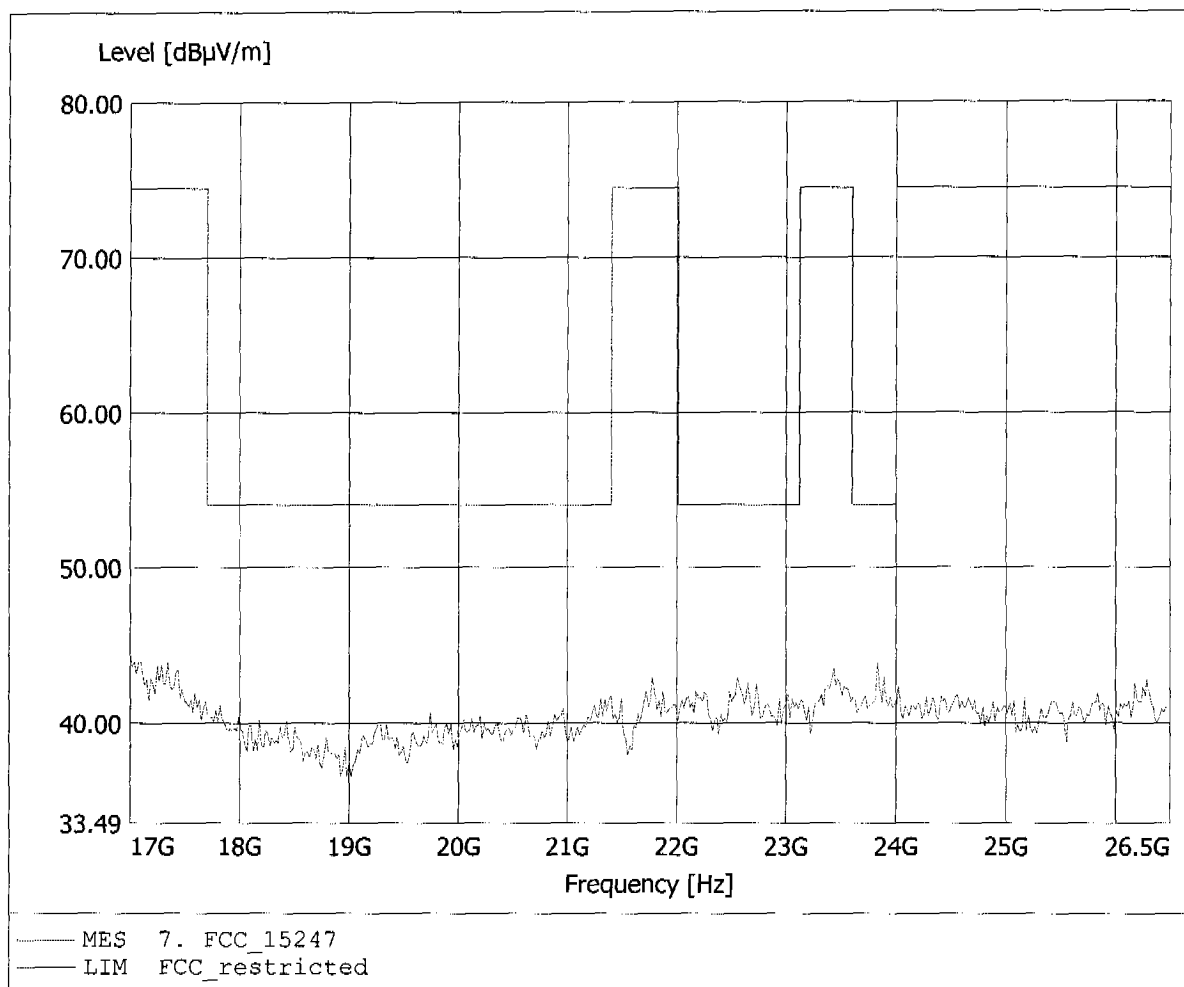
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:11
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 14.385GHz, Emax: 44.16dBµV/m, RBW: 1MHz



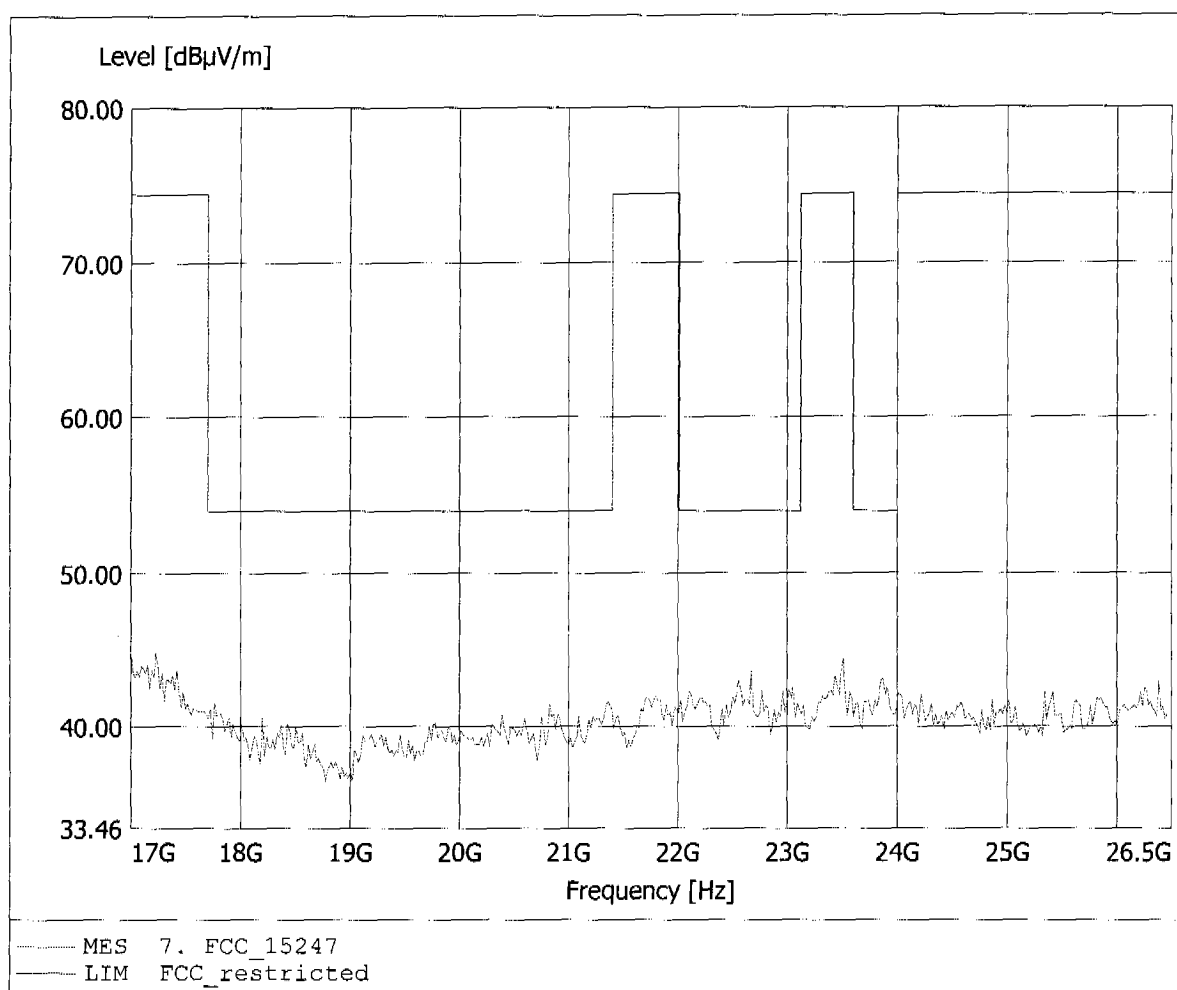
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART C

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:11
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.000GHz, Emax: 44.38dBµV/m, RBW: 1MHz



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

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:11
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to S15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 17.000GHz, Emax: 44.84dBuV/m, RBW: 1MHz



Appendix D

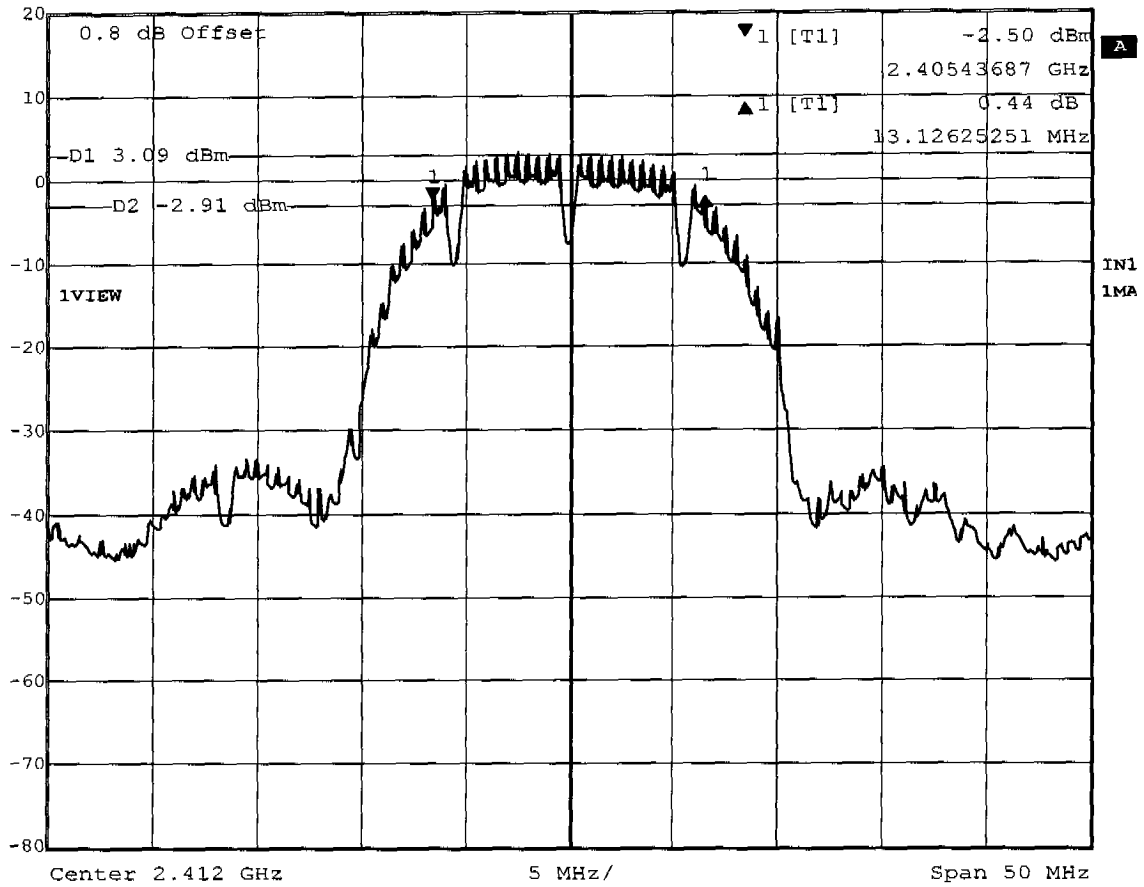
Spurious Emissions conducted - Transmitter operating

Appendix E

Maximum 6 dB Bandwidth



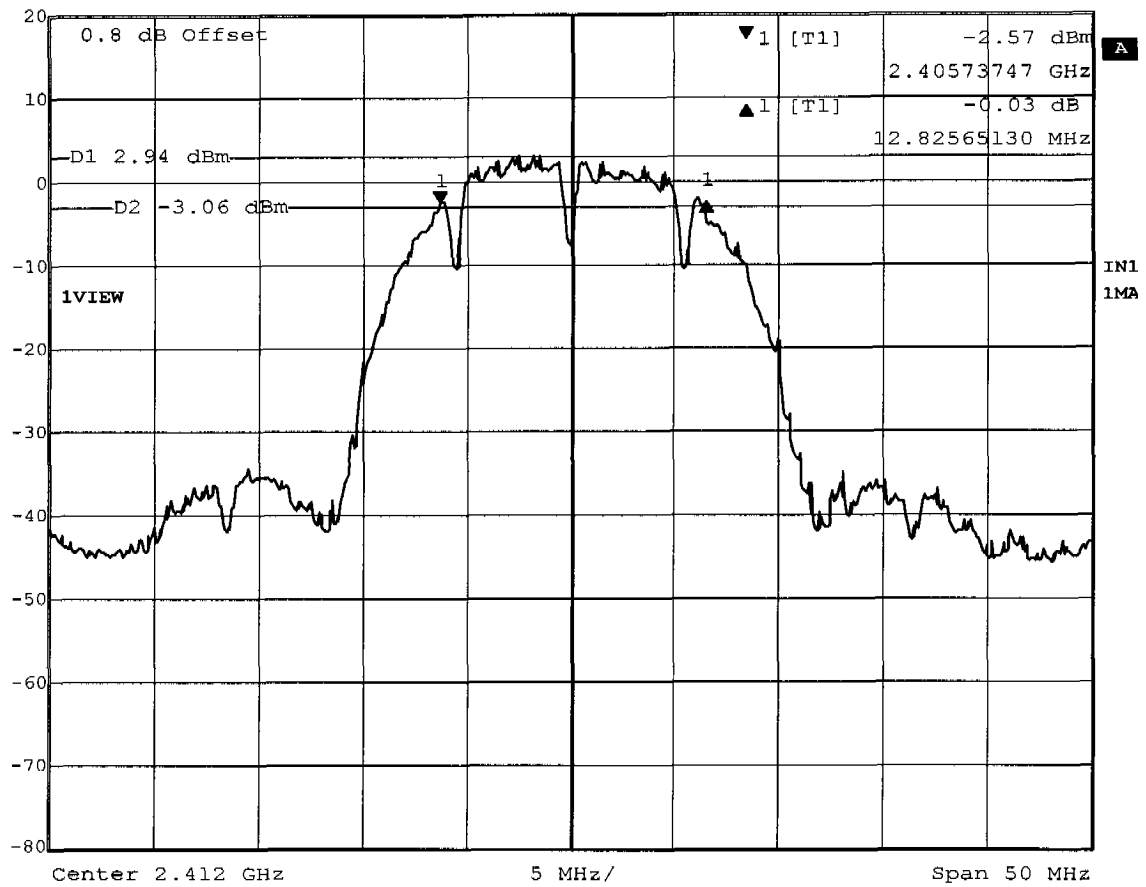
Delta 1 [T1] REW 100 kHz RF Att 40 dB
Ref Lvl 0.44 dB VBW 1 MHz
20 dBm 13.12625251 MHz SWT 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 1Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 08:16:23



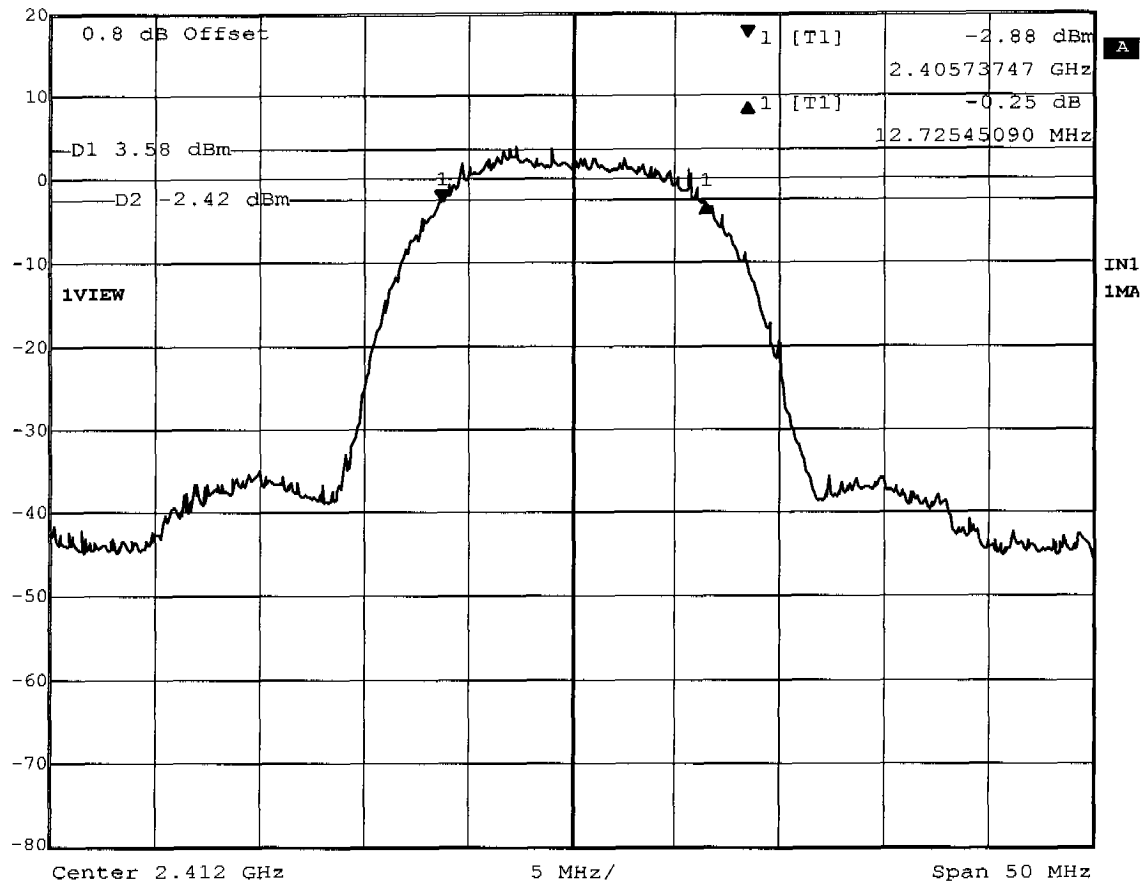
Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl -0.03 dB VBW 1 MHz
20 dBm 12.82565130 MHz SWT 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 2Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 08:59:33



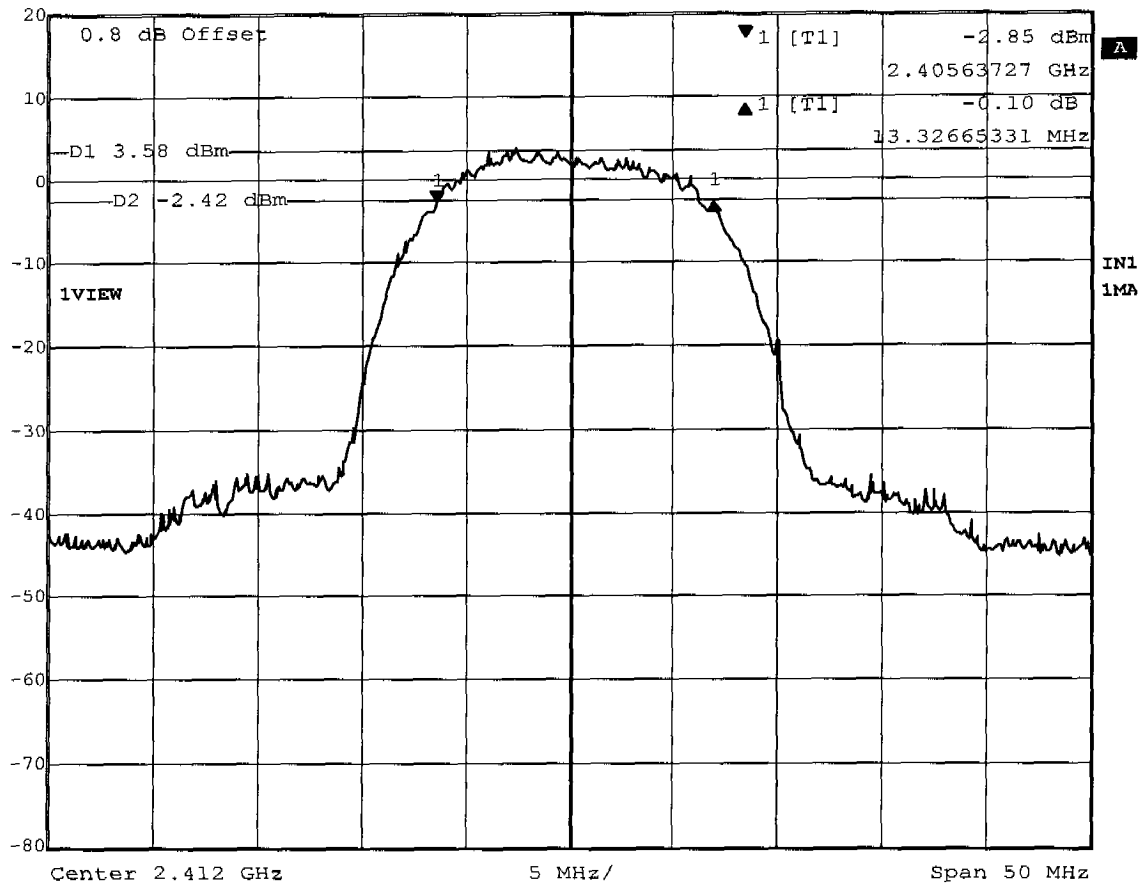
Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl -0.25 dB VBW 1 MHz
20 dBm 12.72545090 MHz SWT 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 11Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 09:23:12



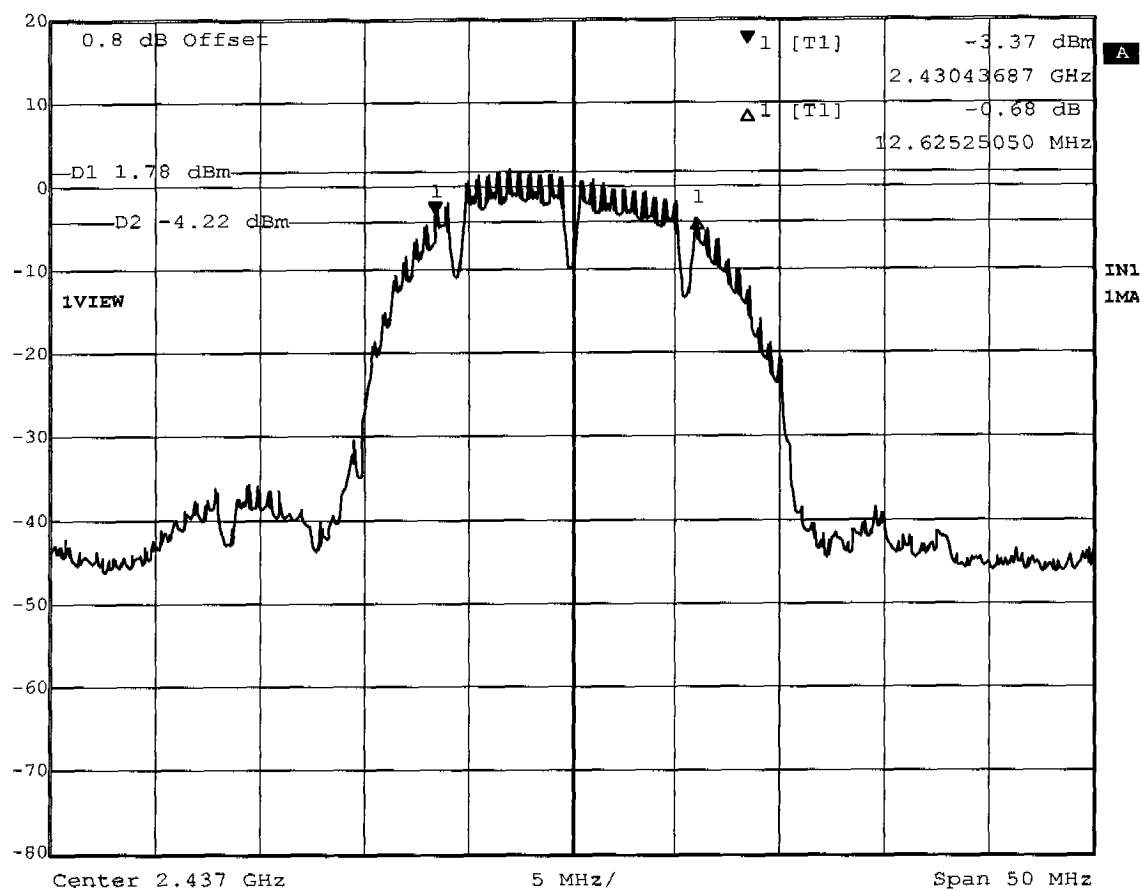
Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl -0.10 dB VBW 1 MHz
20 dBm 13.32665331 MHz SWT 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 5.5Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 09:13:50



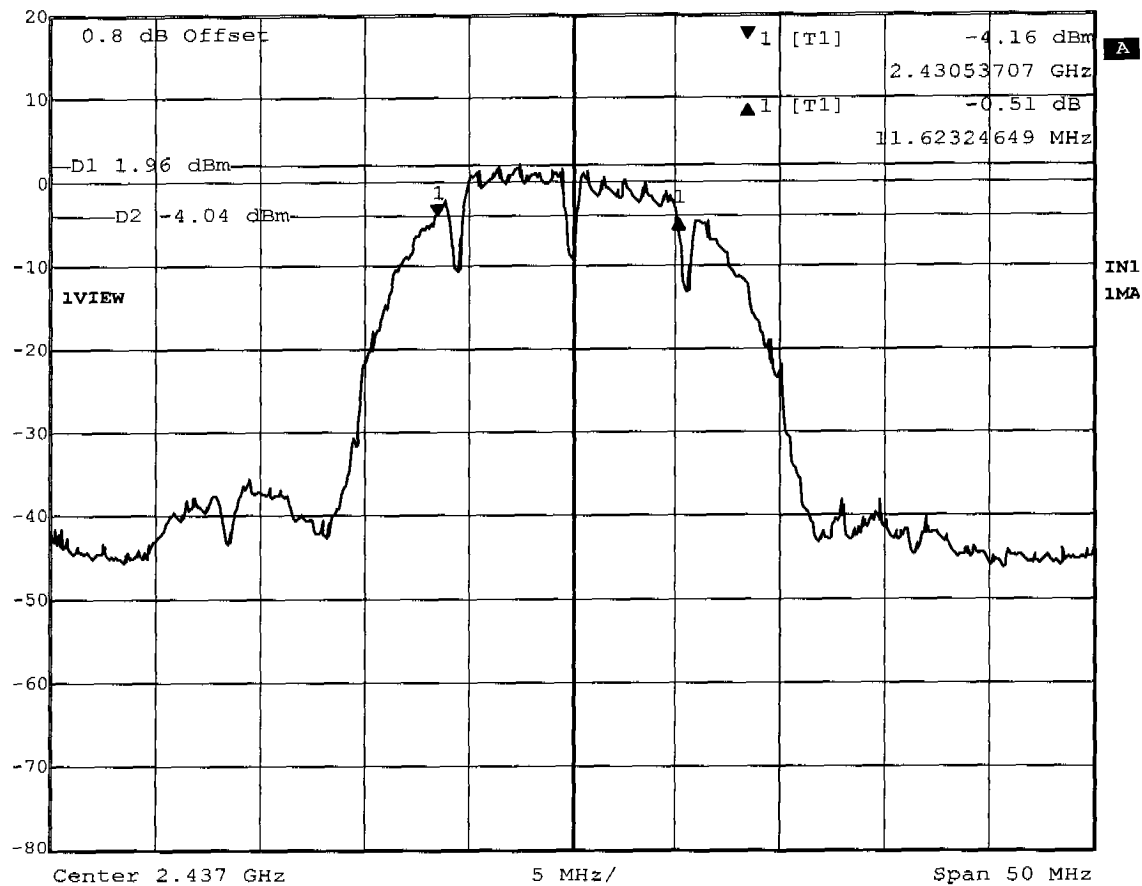
Marker 1 [T1] REW 100 kHz RF Att 40 dB
Ref Lvl -3.37 dBm VBW 1 MHz
20 dBm 2.43043687 GHz SWT 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 1Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 08:49:28



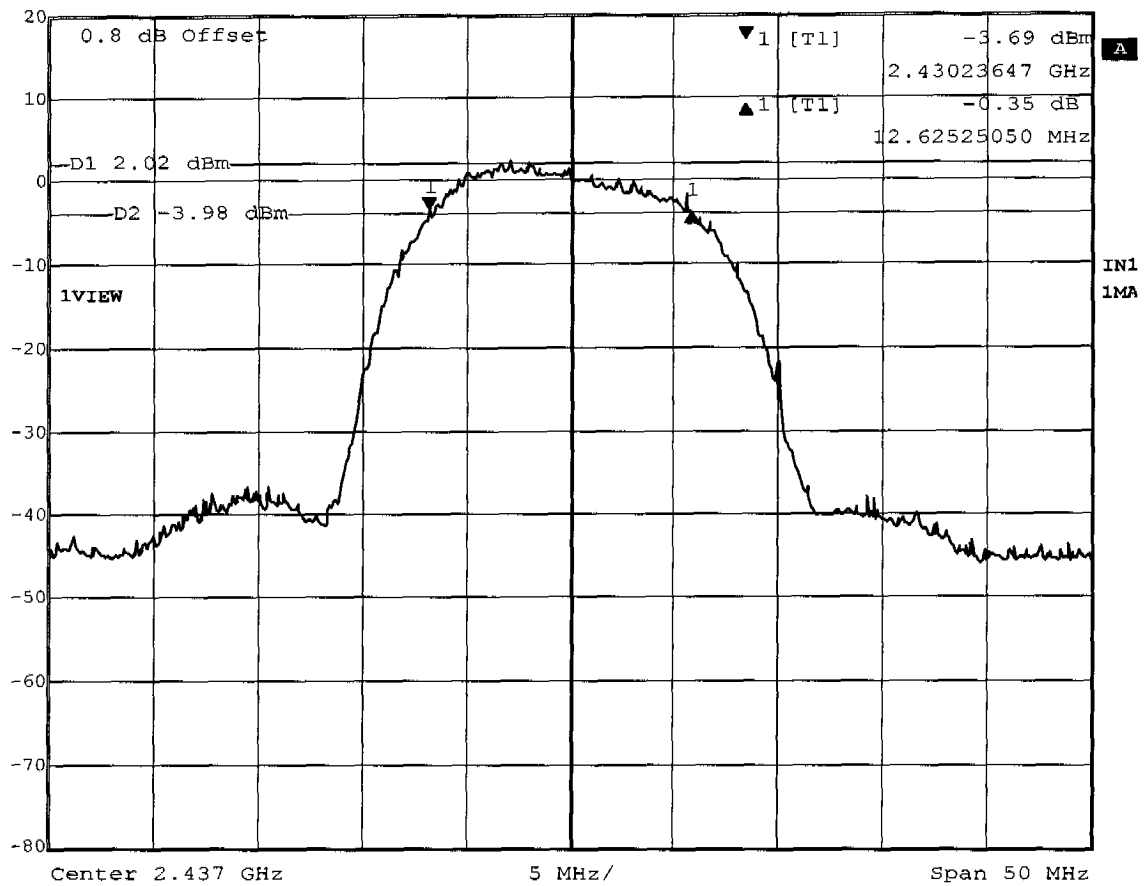
Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl -0.51 dB VBW 1 MHz
20 dBm 11.62324649 MHz SWT 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 2Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 09:01:55



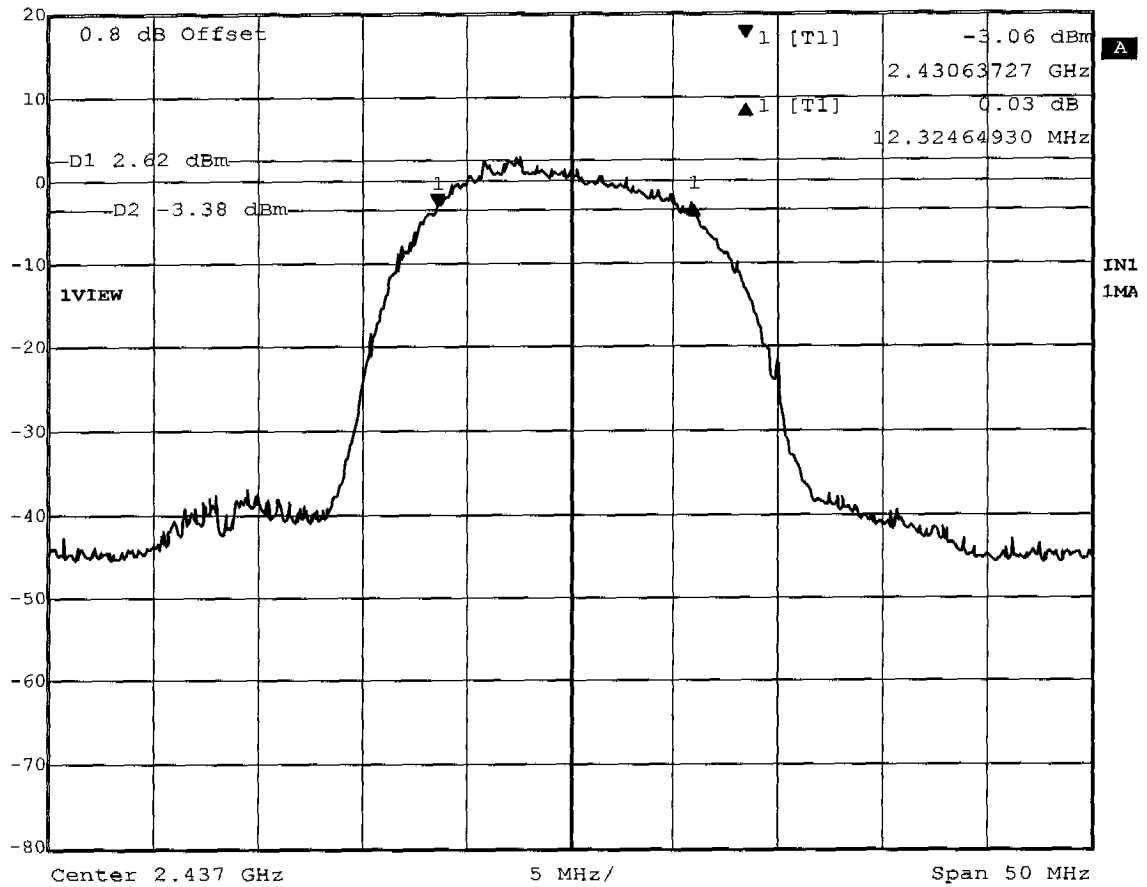
Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl -0.35 dB VBW 1 MHz
20 dBm 12.62525050 MHz SWT 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 11Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 09:24:56



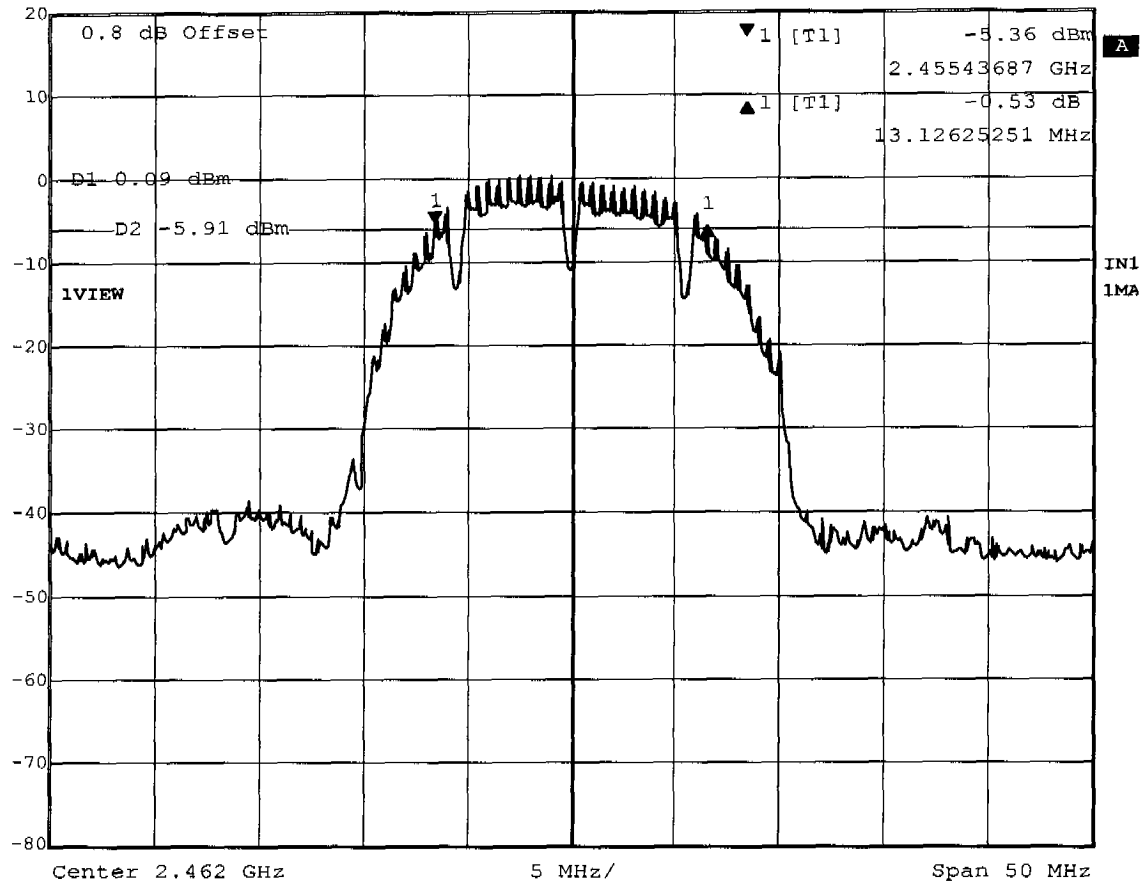
Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl 0.03 dB VBW 1 MHz
20 dBm 12.32464930 MHz SWT 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 5.5Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 09:11:13



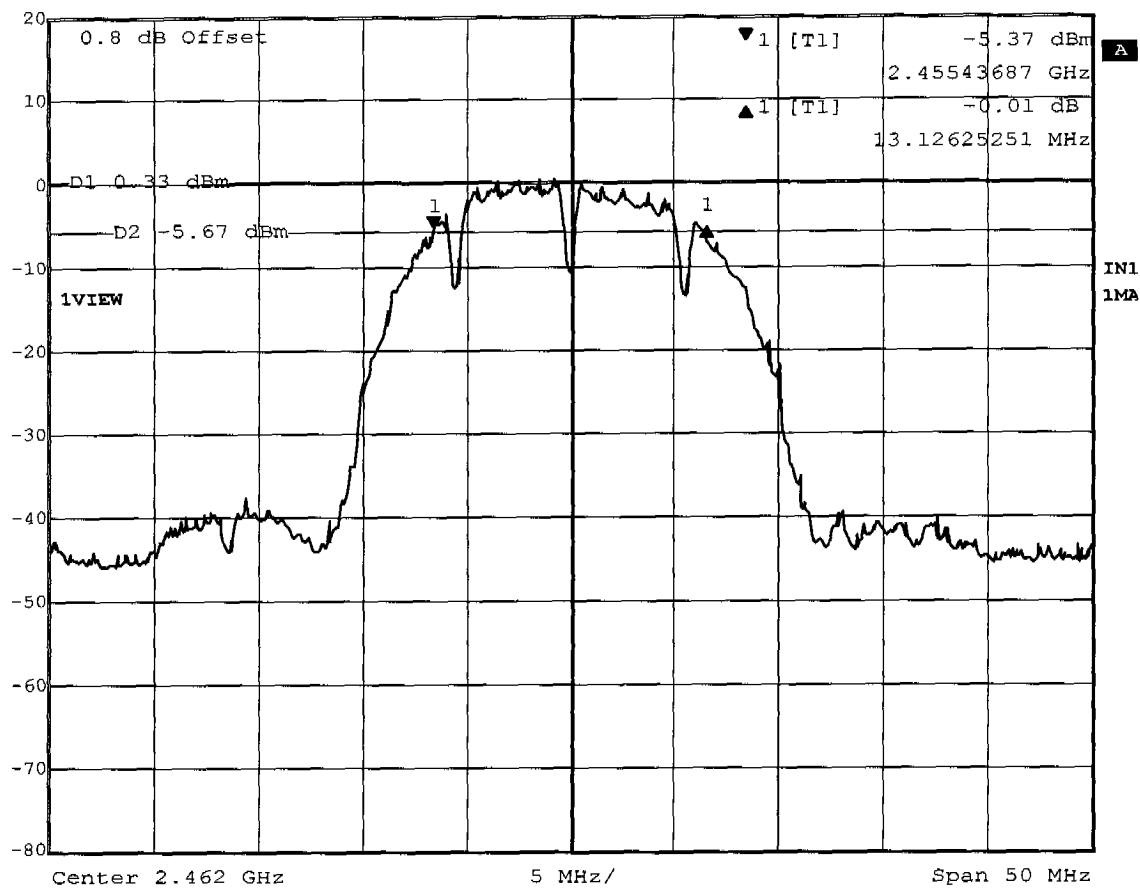
Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl -0.53 dB VBW 1 MHz
20 dBm 13.12625251 MHz SWT 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 1Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 08:51:13



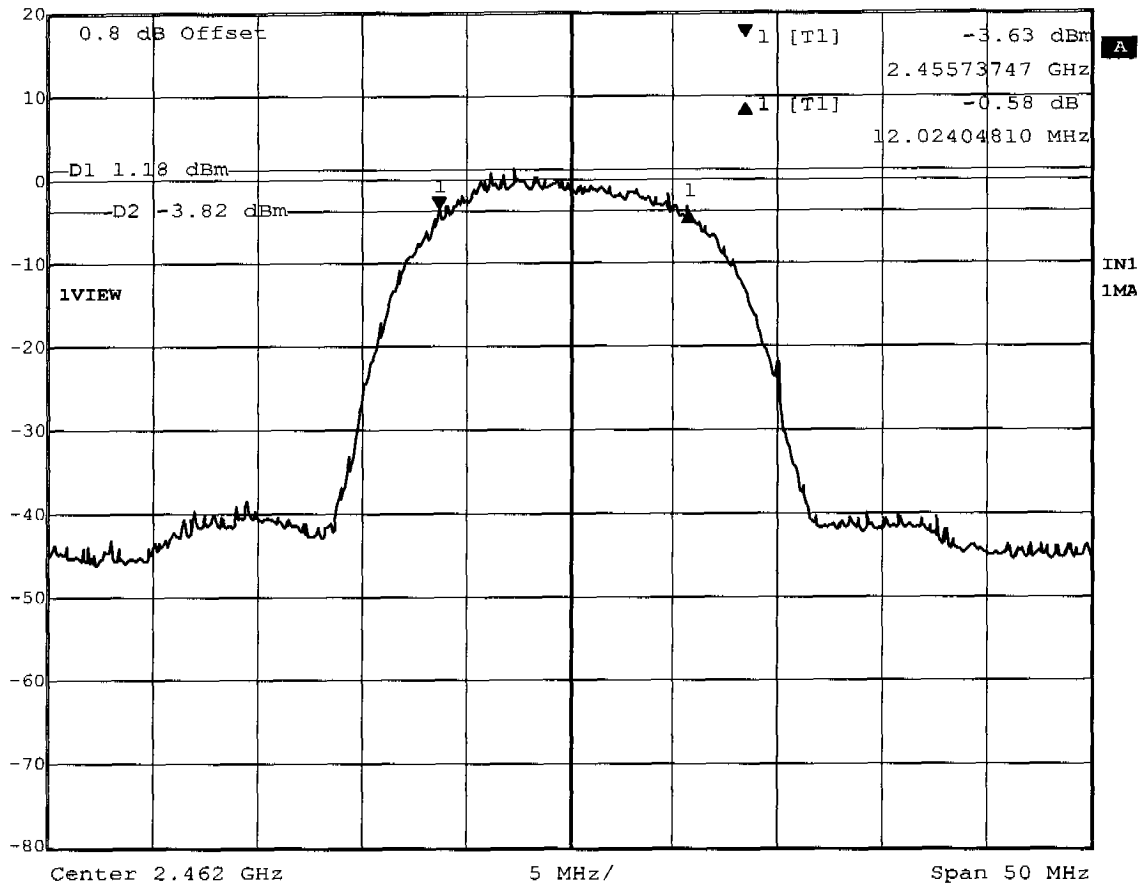
Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl -0.01 dB VBW 1 MHz
20 dBm 13.12625251 MHz SWT 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 2Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 09:04:52



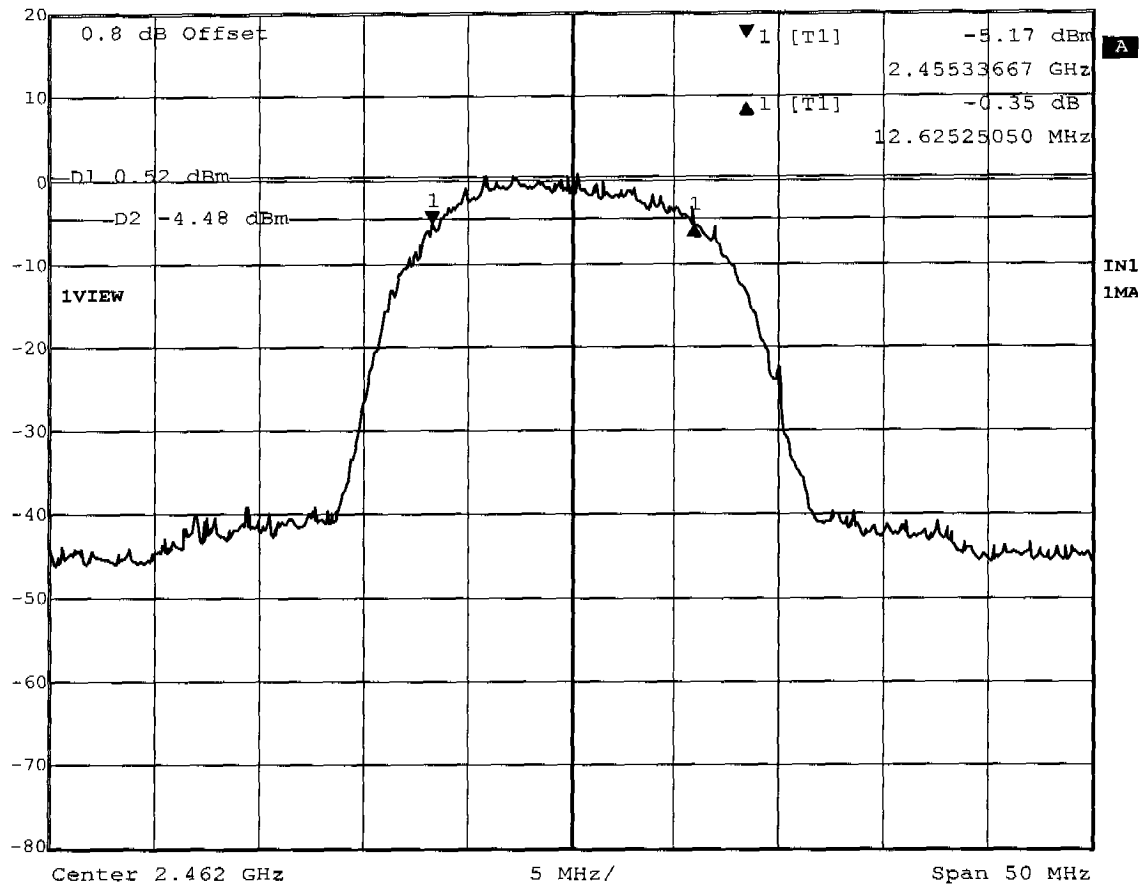
Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl -0.58 dB VBW 1 MHz
20 dBm 12.02404810 MHz SWT 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 11Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 09:27:40



Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl -0.35 dB VBW 1 MHz
20 dBm 12.62525050 MHz SWT 12.5 ms Unit dBm



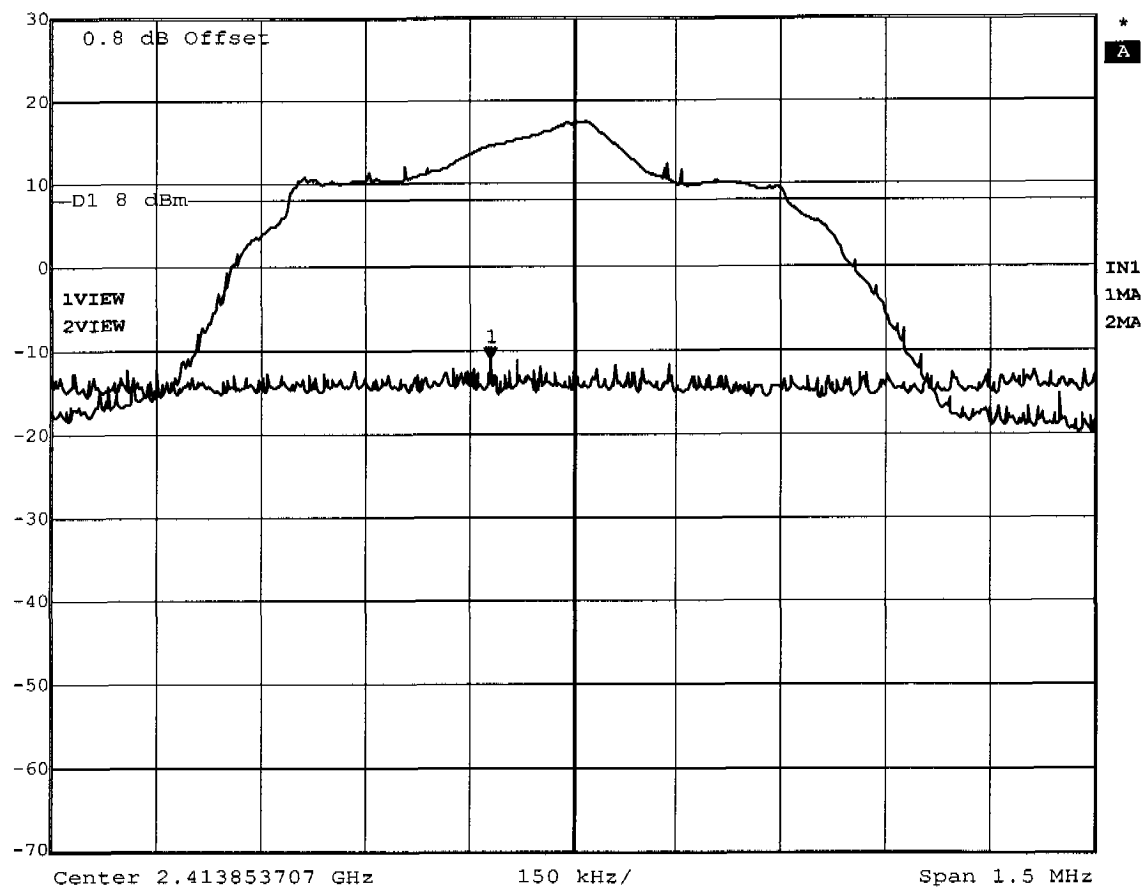
Title: Minimum 6dB Bandwidth 5.5Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 09:08:53

Appendix F

Peak Power Spectral Density



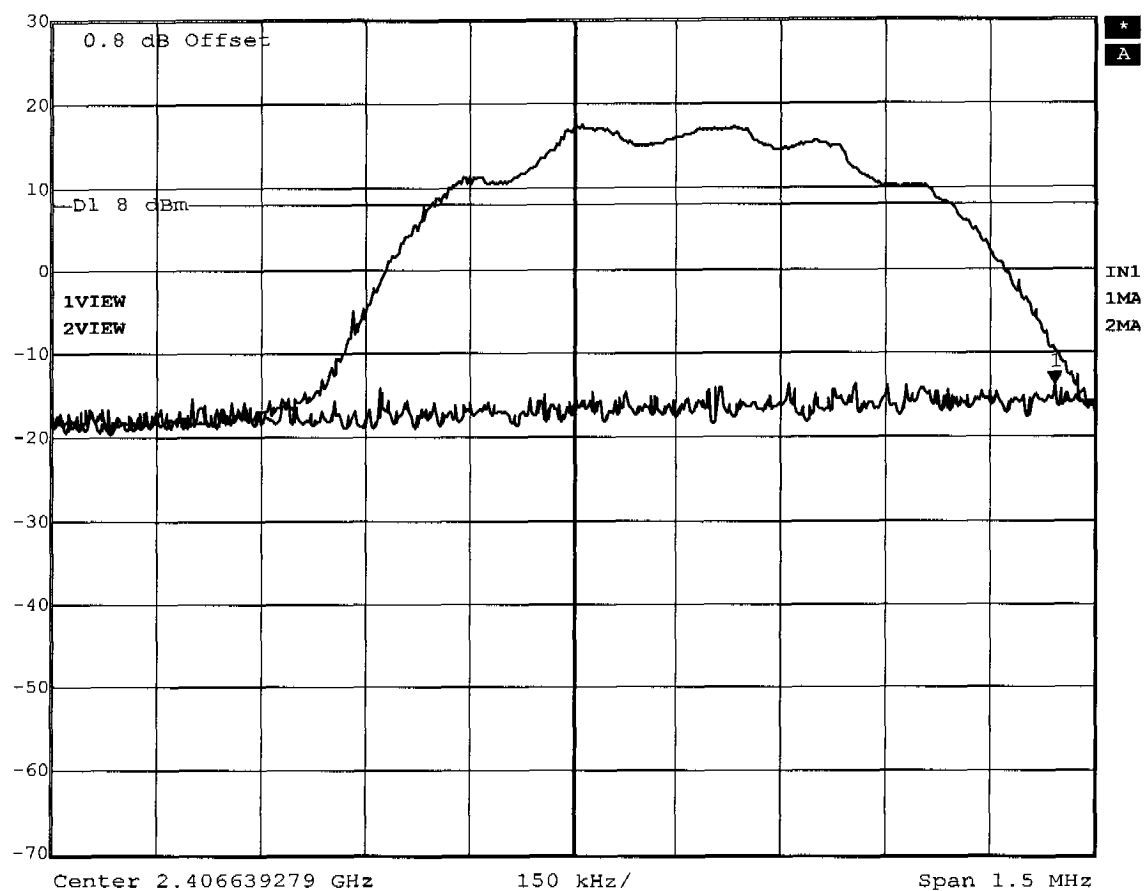
Marker 1 [T2] RBW 3 kHz RF Att 50 dB
Ref Lvl -11.11 dBm VBW 100 kHz
30 dBm 2.41373497 GHz SWT 500 s Unit dBm



Title: Power Spectral Density 1Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 10:53:20



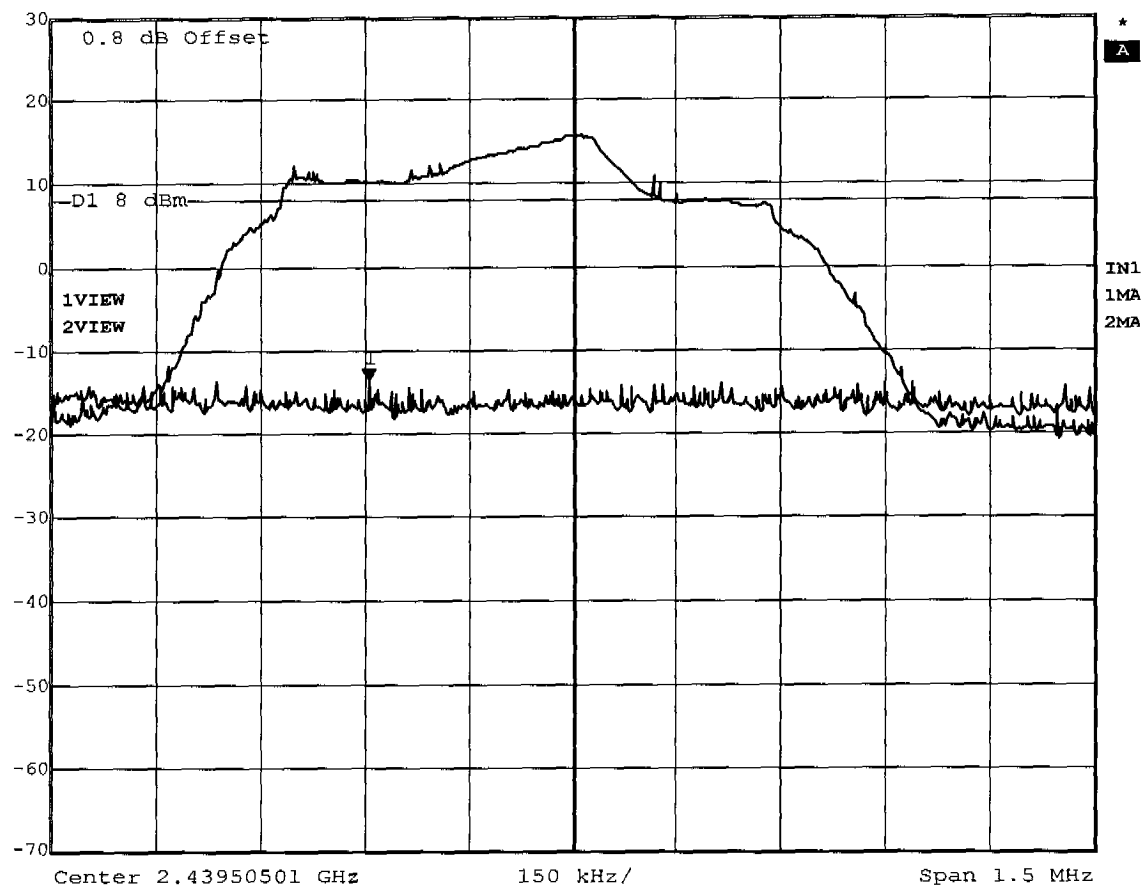
Marker 1 [T2] RBW 3 kHz RF Att 50 dB
Ref Lvl -13.80 dBm VBW 100 kHz
30 dBm 2.40733216 GHz SWT 500 s Unit dBm



Title: Power Spectral Density 11Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 11:22:47



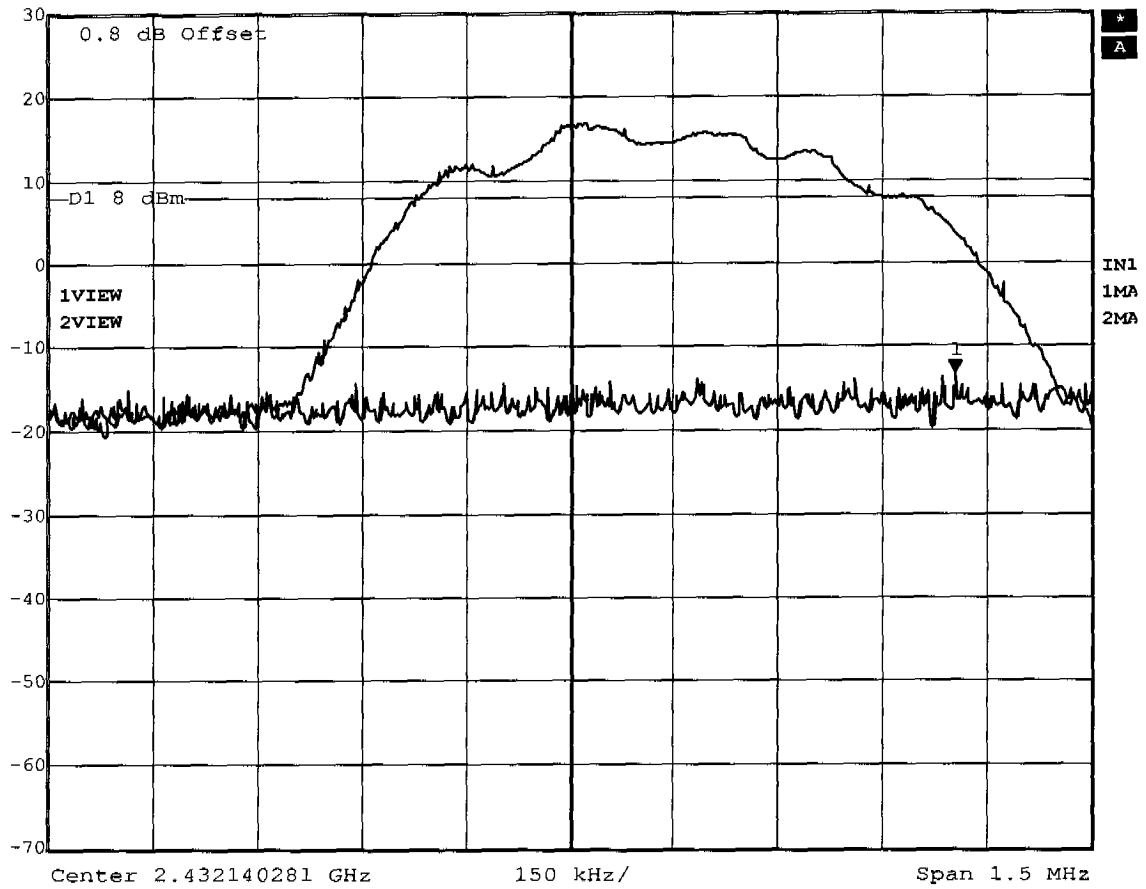
Marker 1 [T2] RBW 3 kHz RF Att 50 dB
Ref Lvl -13.73 dBm VBW 100 kHz
30 dBm 2.43921192 GHz SWT 500 s Unit dBm



Title: Power Spectral Density 1Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 11:12:24



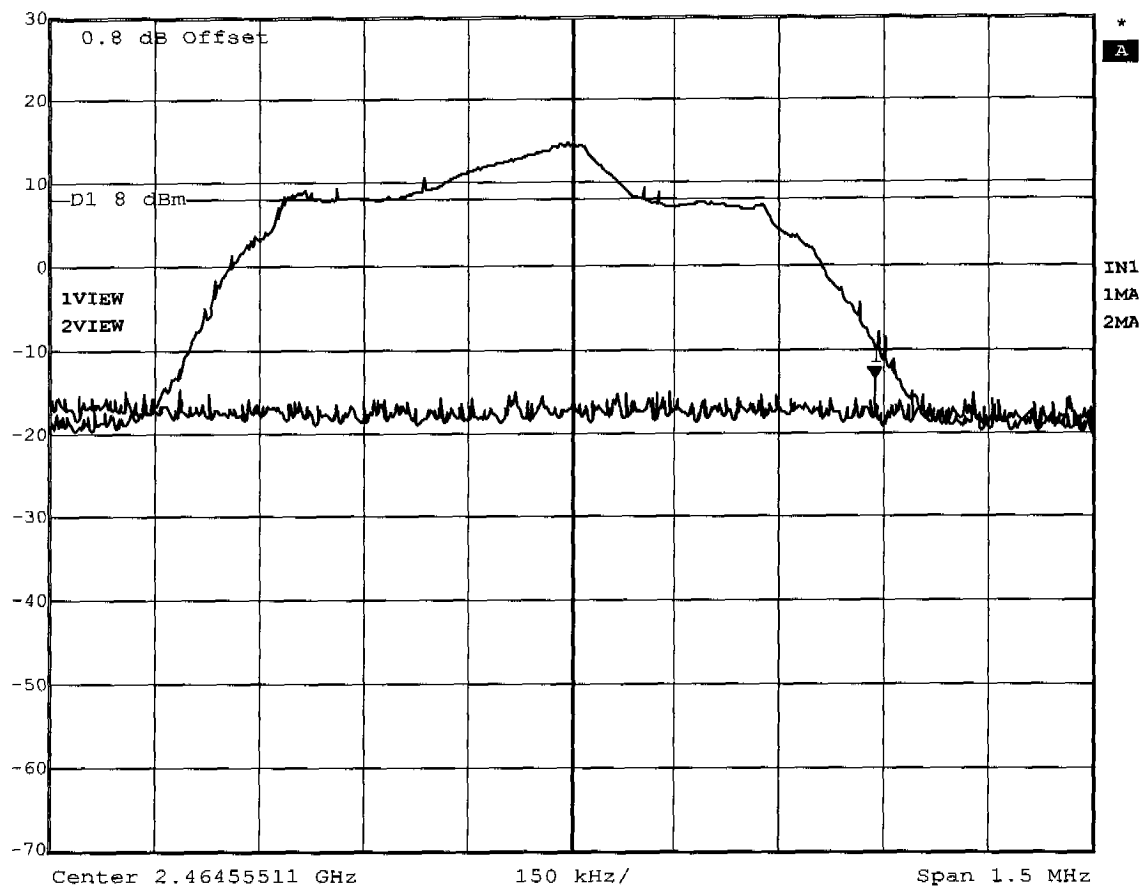
Marker 1 [T2] RBW 3 kHz RF Att 50 dB
Ref Lvl -13.27 dBm VBW 100 kHz
30 dBm 2.43269489 GHz SWT 500 s Unit dBm



Title: Power Spectral Density 11Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 10:32:23



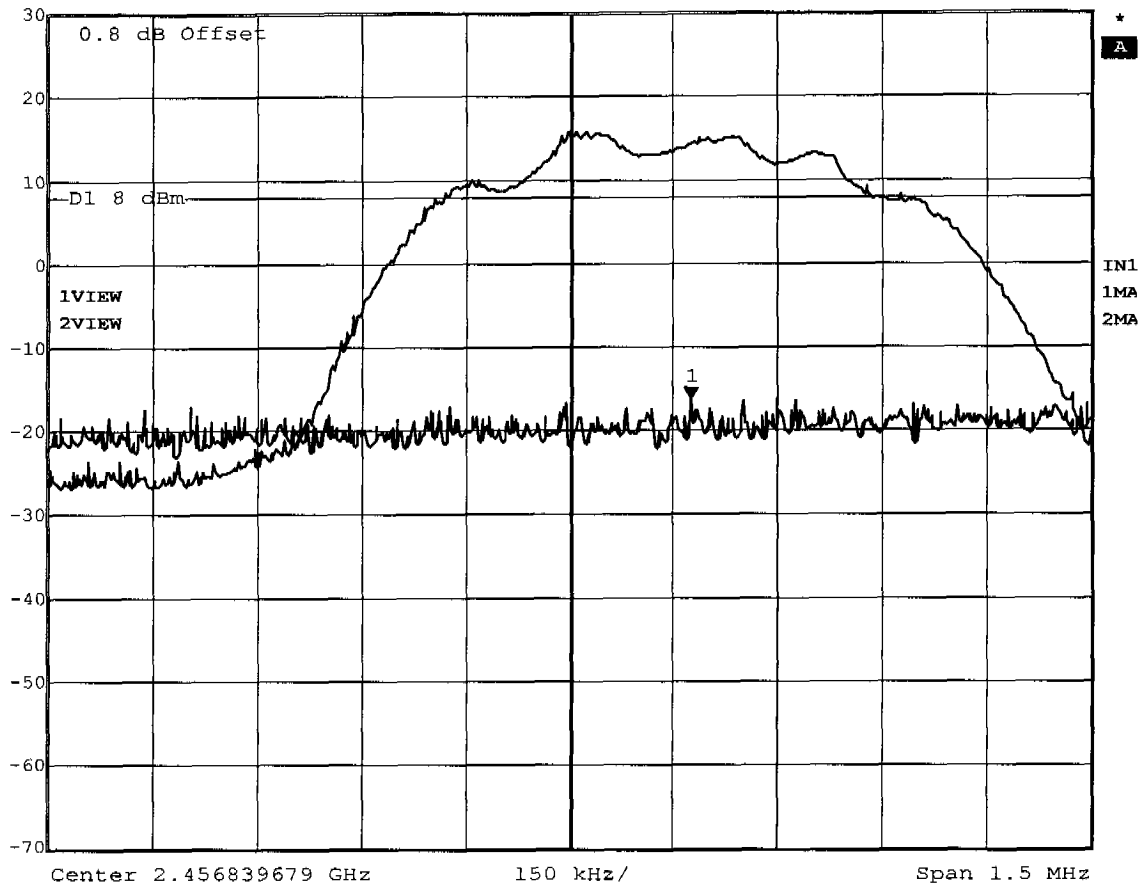
Marker 1 [T2] RBW 3 kHz RF Att 50 dB
Ref Lvl -13.71 dBm VBW 100 kHz
30 dBm 2.46499248 GHz SWT 500 s Unit dBm



Title: Power Spectral Density 1Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 11:18:06



Marker 1 [T2] RBW 3 kHz RF Att 50 dB
Ref Lvl -16.37 dBm VBW 100 kHz
30 dBm 2.45701553 GHz SWT 500 s Unit dBm



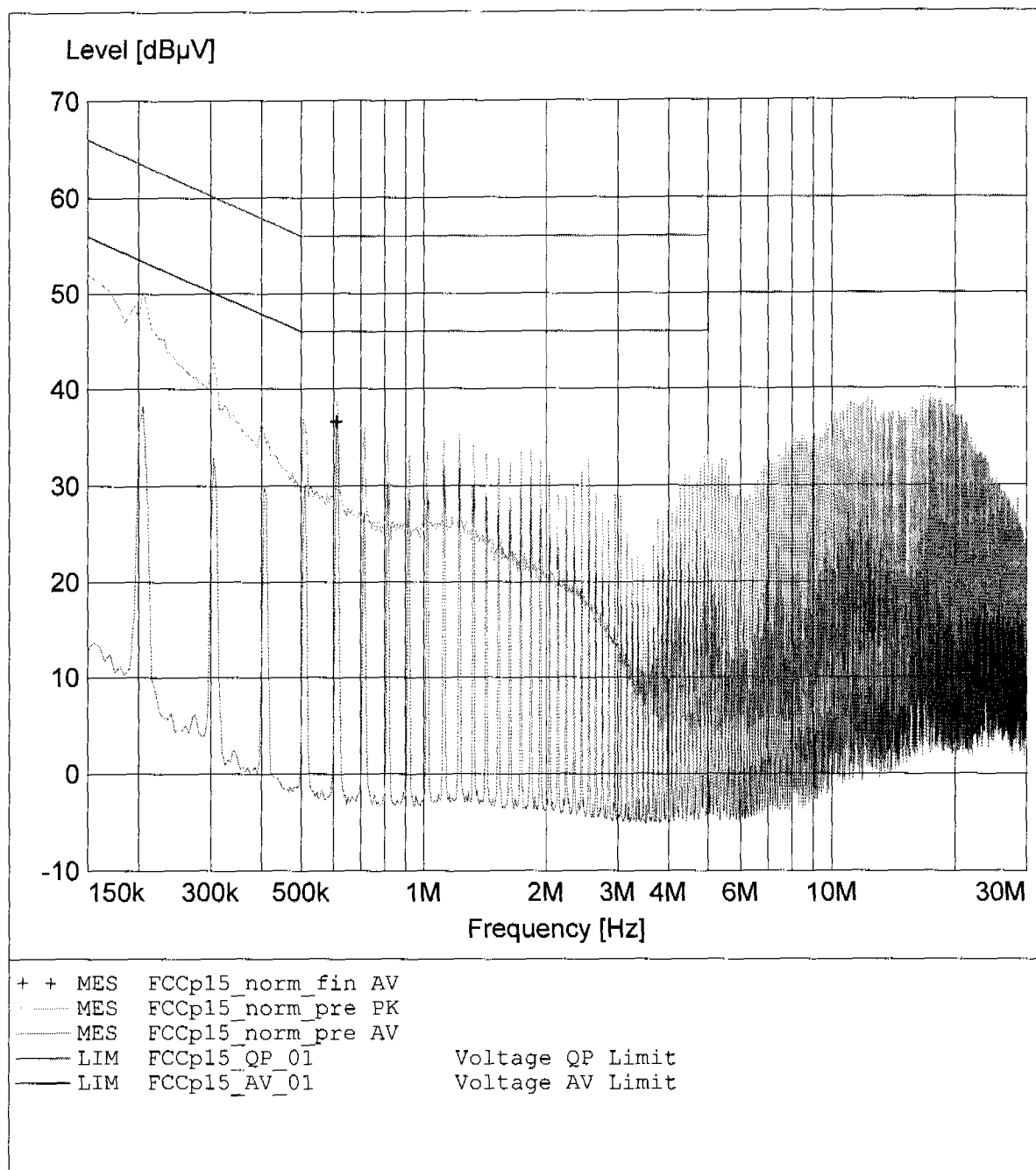
Title: Power Spectral Density 11Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 10:22:49

Appendix G

Conducted Emission at (AC) Power Line

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

EUT: Philips SA5250/1 802.11a/b/g Mini PCI Reference Design
Manufacturer: Philips Semiconductors Dresden AG
Operating Condition: Unom: 120VAC(AC/DC-adaptor), Tnom: 23°C
Test Site: ETS
Operator: Mr. Pflug
Test Specification: V-Network: ESH2-Z5 (L1)
Comment: model: SA 5250/1 mPCI
Ch: 6 / 11Mb/s



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

EUT: Philips SA5250/1 802.11a/b/g Mini PCI Reference Design
 Manufacturer: Philips Semiconductors Dresden AG
 Operating Condition: Unom: 120VAC(AC/DC-adaptor), Tnom: 23°C
 Test Site: ETS
 Operator: Mr. Pflug
 Test Specification: V-Network: ESH2-Z5 (N)
 Comment: model: SA 5250/1 mPCI
 Ch: 6 / 11Mb/s

