

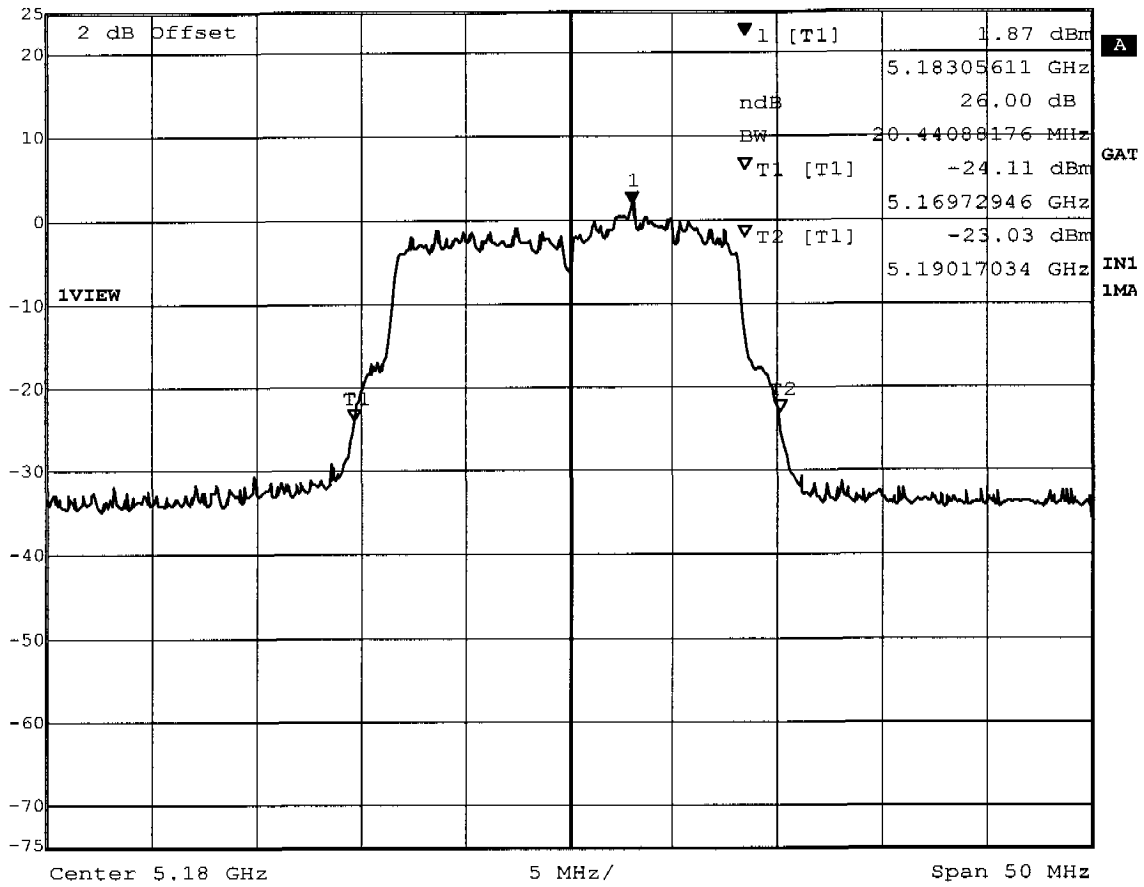


Appendix B

Emission Bandwidth



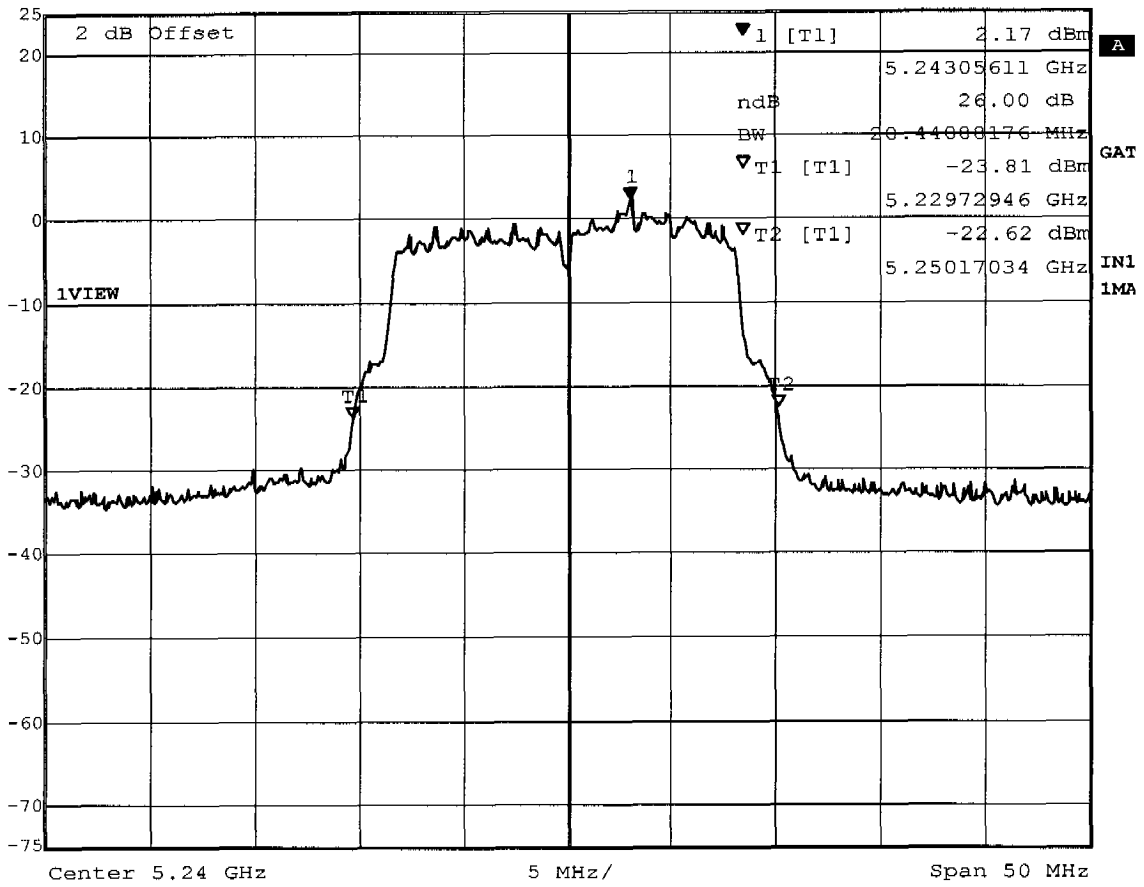
Marker 1 [T1 ndB] RBW 200 kHz RF Att 50 dB
Ref Lvl ndB 26.00 dB VBW 1 MHz
25 dBm BW 20.44088176 MHz SWT 2 s Unit dBm



Title: Emission Bandwidth 72Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 26.NOV.2003 15:38:48



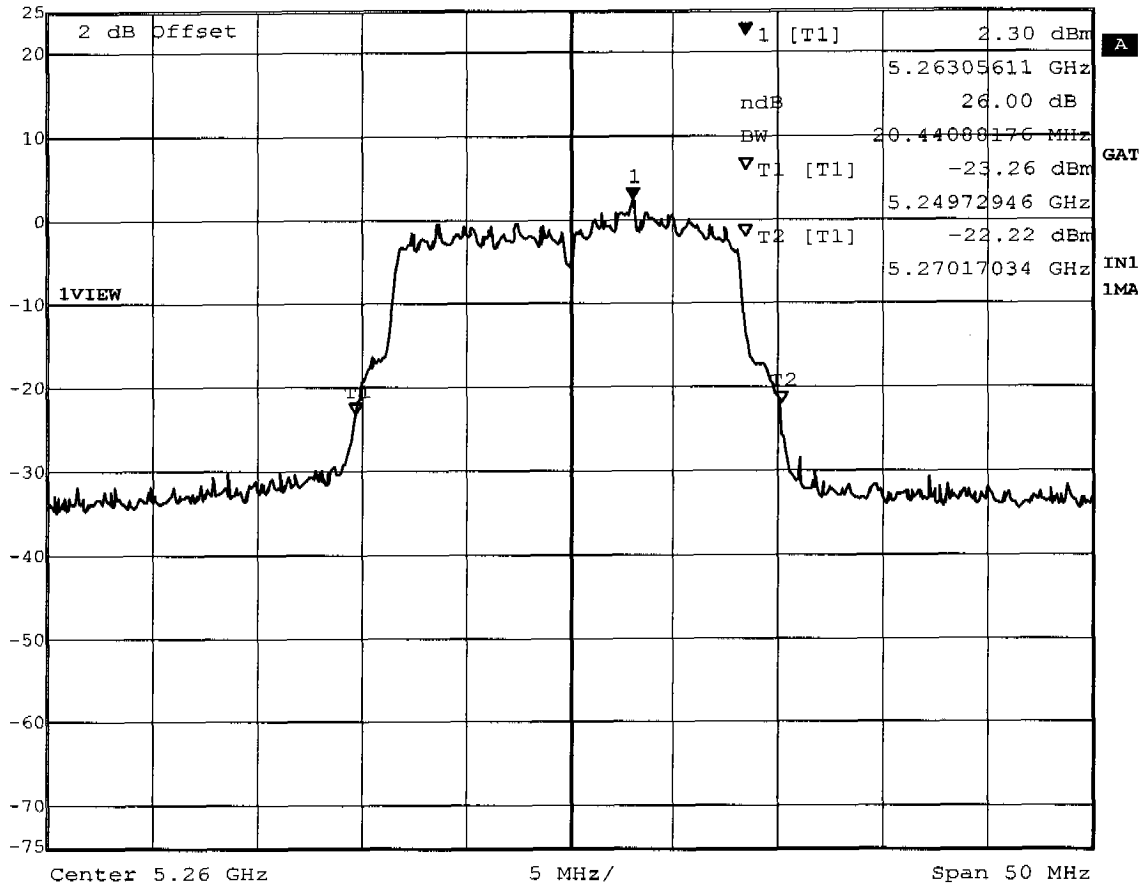
Marker 1 [T1 ndB] RBW 200 kHz RF Att 50 dB
Ref Lvl ndB 26.00 dB VBW 1 MHz
25 dBm BW 20.44088176 MHz SWT 2 s Unit dBm



Title: Emission Bandwidth 72Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 26.NOV.2003 15:37:54



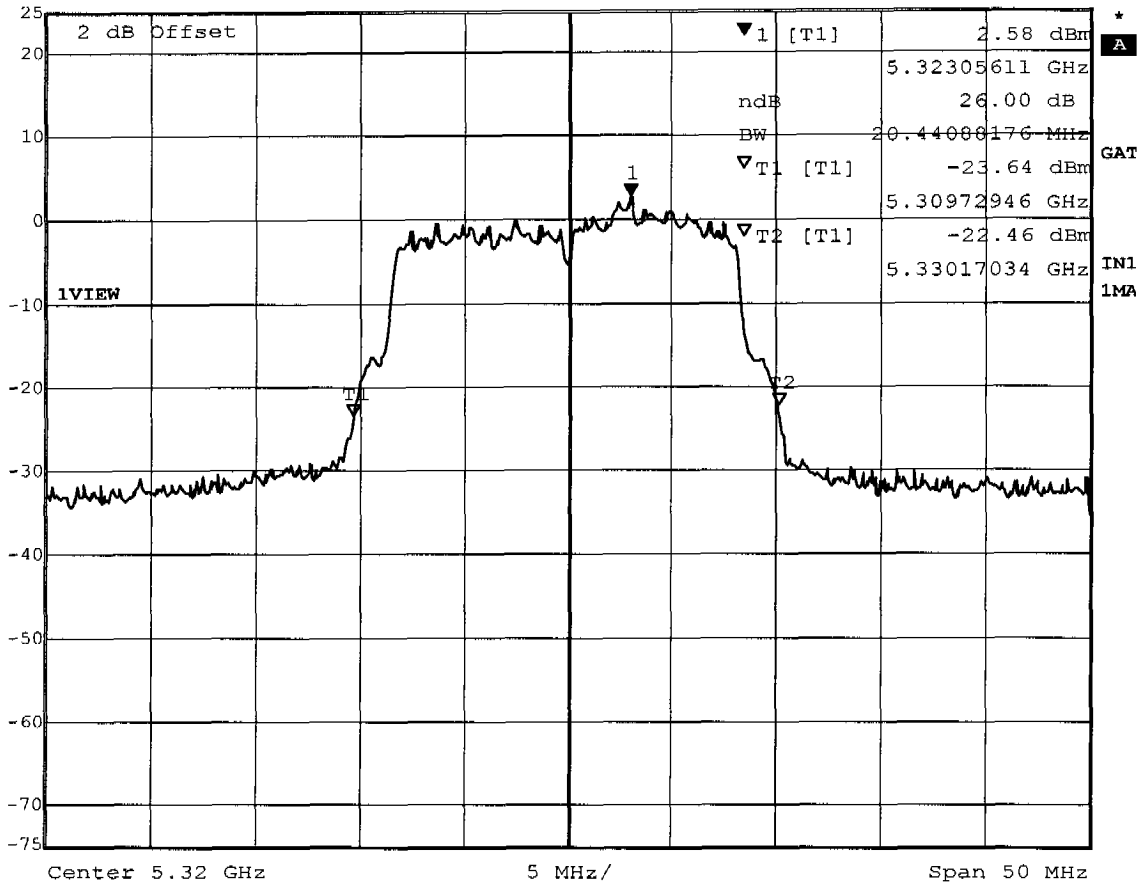
Marker 1 [T1 ndB] RBW 200 kHz RF Att 50 dB
 Ref Lvl ndB 26.00 dB VBW 1 MHz
 25 dBm BW 20.44088176 MHz SWT 2 s Unit dBm



Title: Emission Bandwidth 72Mb/s
 Comment A: SA5250/1 802.11a/b/g Mini PCI
 Date: 26.NOV.2003 15:36:46



Marker 1 [T1 ndB] RBW 200 kHz RF Att 50 dB
Ref Lvl ndB 26.00 dB VBW 1 MHz
25 dBm BW 20.44088176 MHz SWT 2 s Unit dBm



Title: Emission Bandwidth 72Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 26.NOV.2003 15:35:17

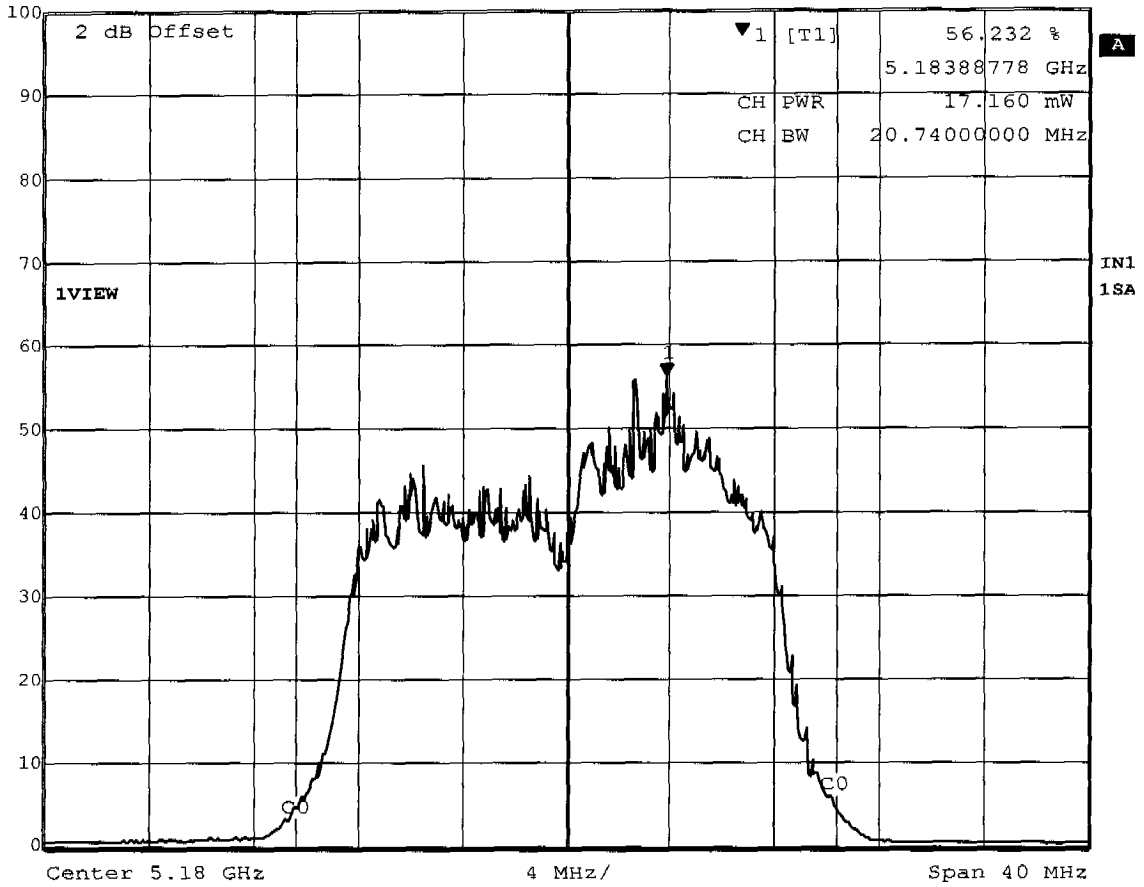


Appendix C

Peak Transmit Power



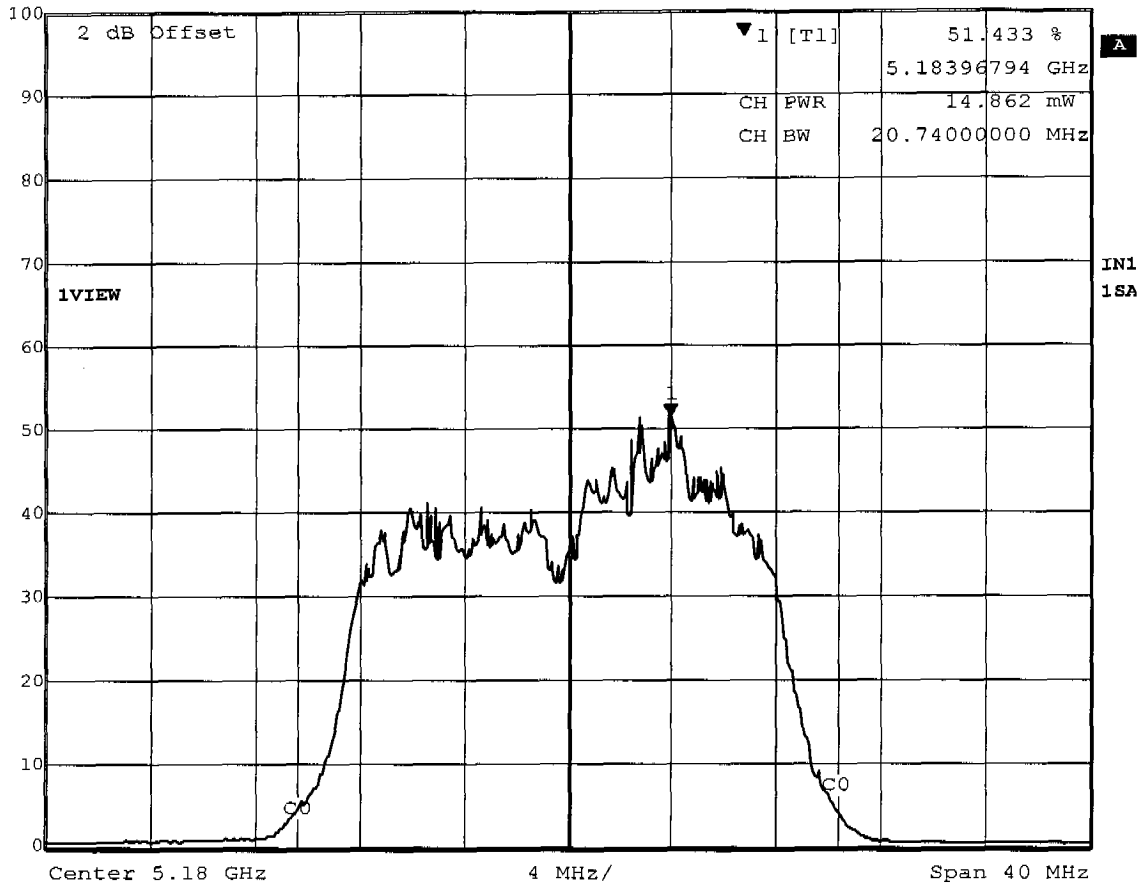
Marker 1 [T1] RBW 1 MHz RF Att 30 dB
Ref Lvl 56.232 % VBW 200 kHz
10 mW 5.18388778 GHz SWT 5 ms Unit %



Title: Peak Transmit Power 24Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 27.NOV.2003 10:09:54



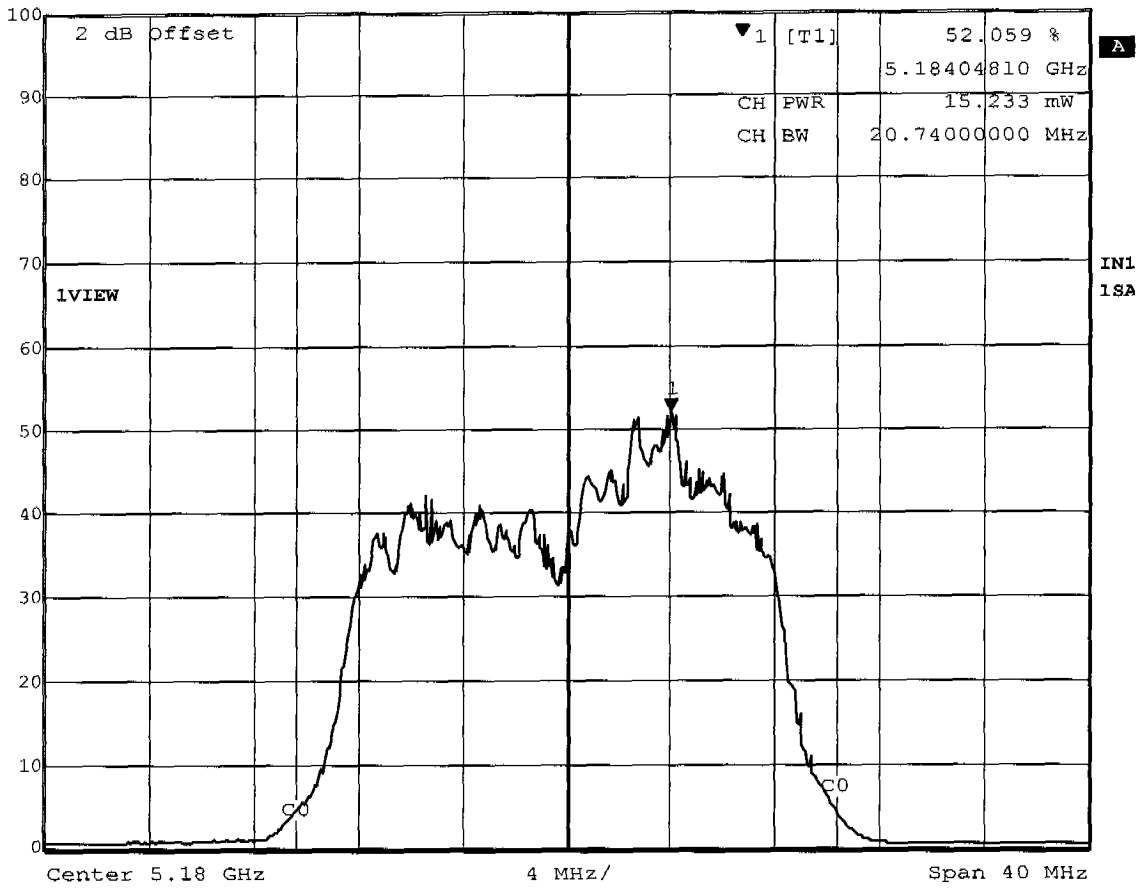
Marker 1 [T1] RBW 1 MHz RF Att 30 dB
Ref Lvl 51.433 % VBW 200 kHz
10 mW 5.18396794 GHz SWT 5 ms Unit %



Title: Peak Transmit Power 24Mb/s 120 V AC +15%
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 2.DEC.2003 13:22:06



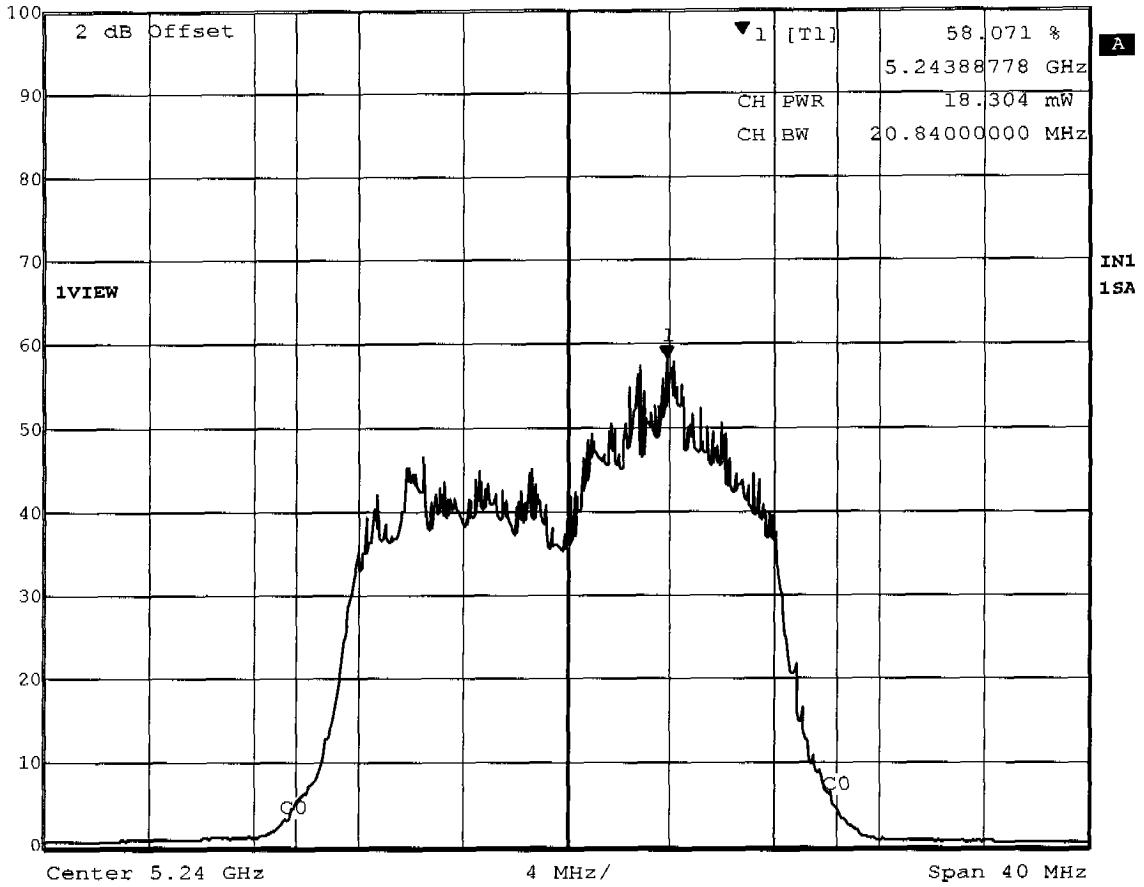
Marker 1 [T1] RBW 1 MHz RF Att 30 dB
Ref Lvl 52.059 % VBW 200 kHz
10 mW 5.18404810 GHz SWT 5 ms Unit %



Title: Peak Transmit Power 24Mb/s 120 V AC -15%
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 2.DEC.2003 13:18:57



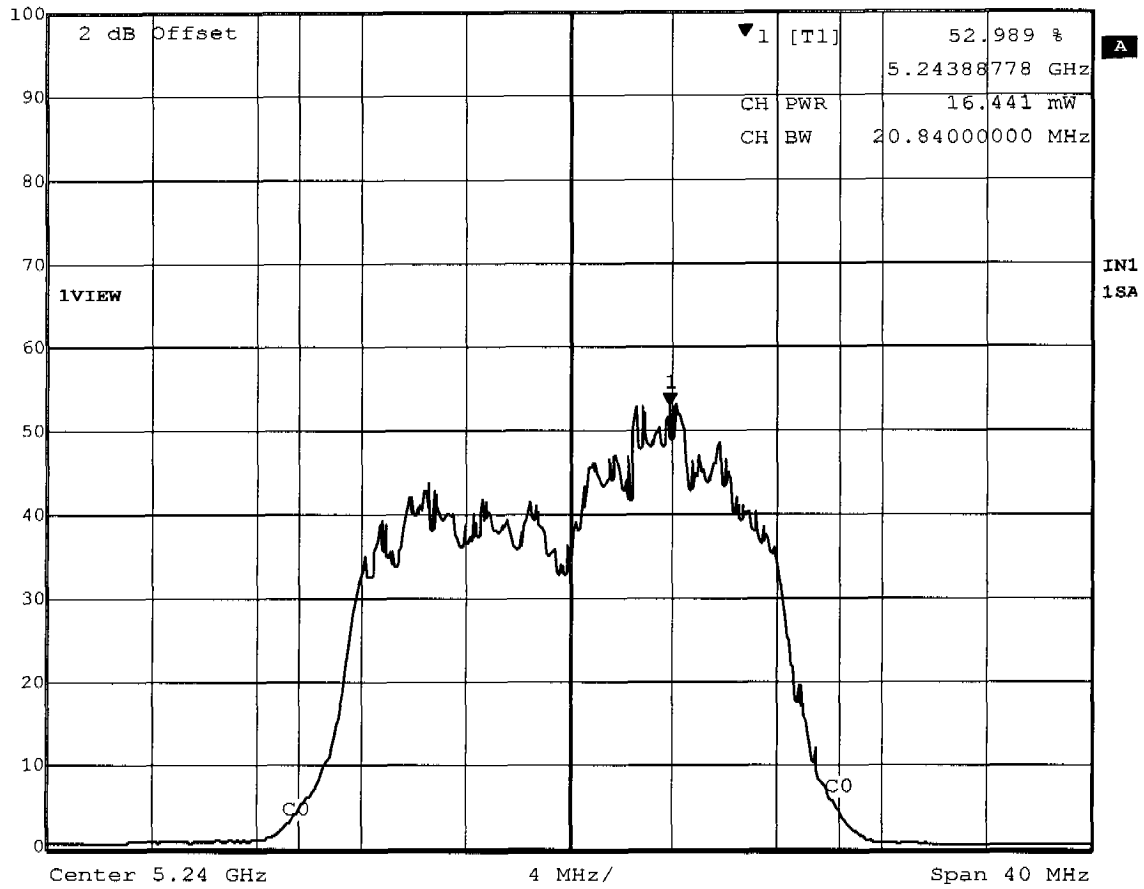
Marker 1 [T1] RBW 1 MHz RF Att 30 dB
Ref Lvl 58.071 % VBW 200 kHz
10 mW 5.24388778 GHz SWT 5 ms Unit %



Title: Peak Transmit Power 24Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 27.NOV.2003 10:12:02



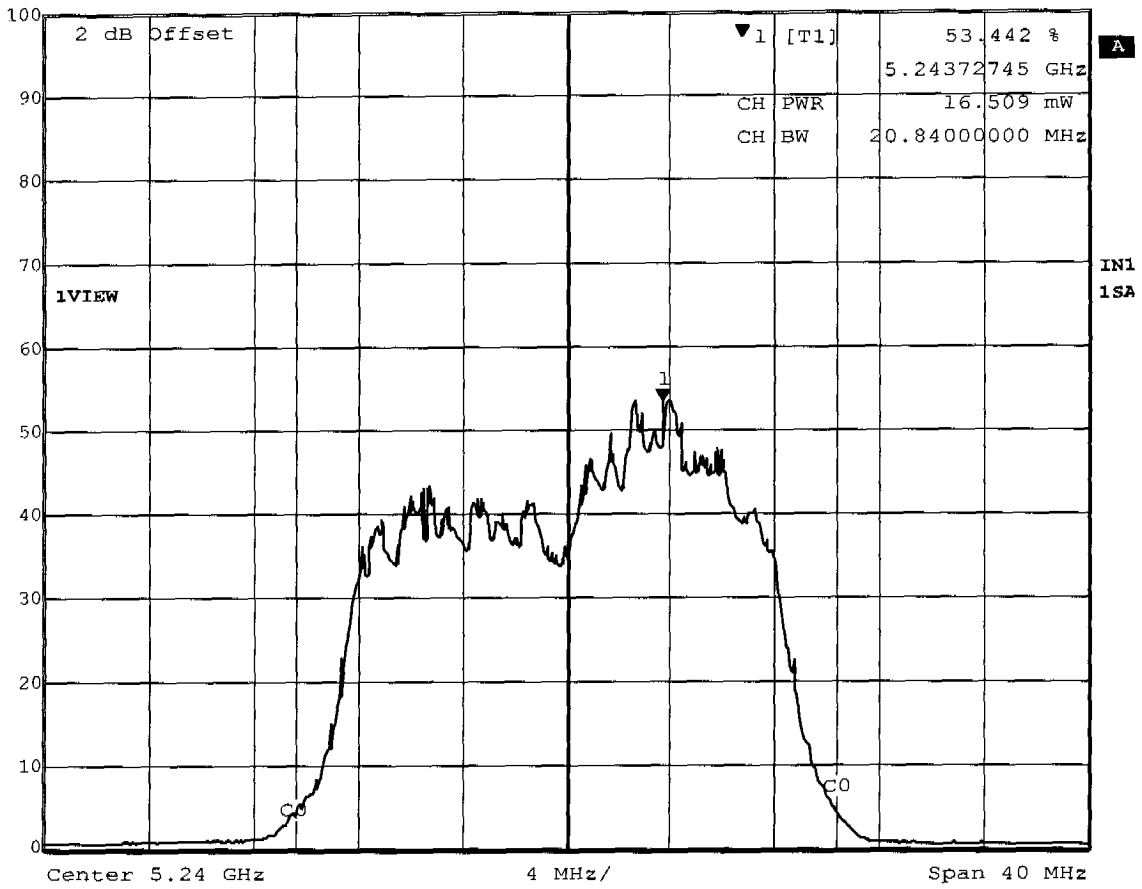
Marker 1 [T1] RBW 1 MHz RF Att 30 dB
Ref Lvl 52.989 % VBW 200 kHz
10 mW 5.24388778 GHz SWT 5 ms Unit %



Title: Peak Transmit Power 24Mb/s 120 V AC +15%
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 2.DEC.2003 13:00:49



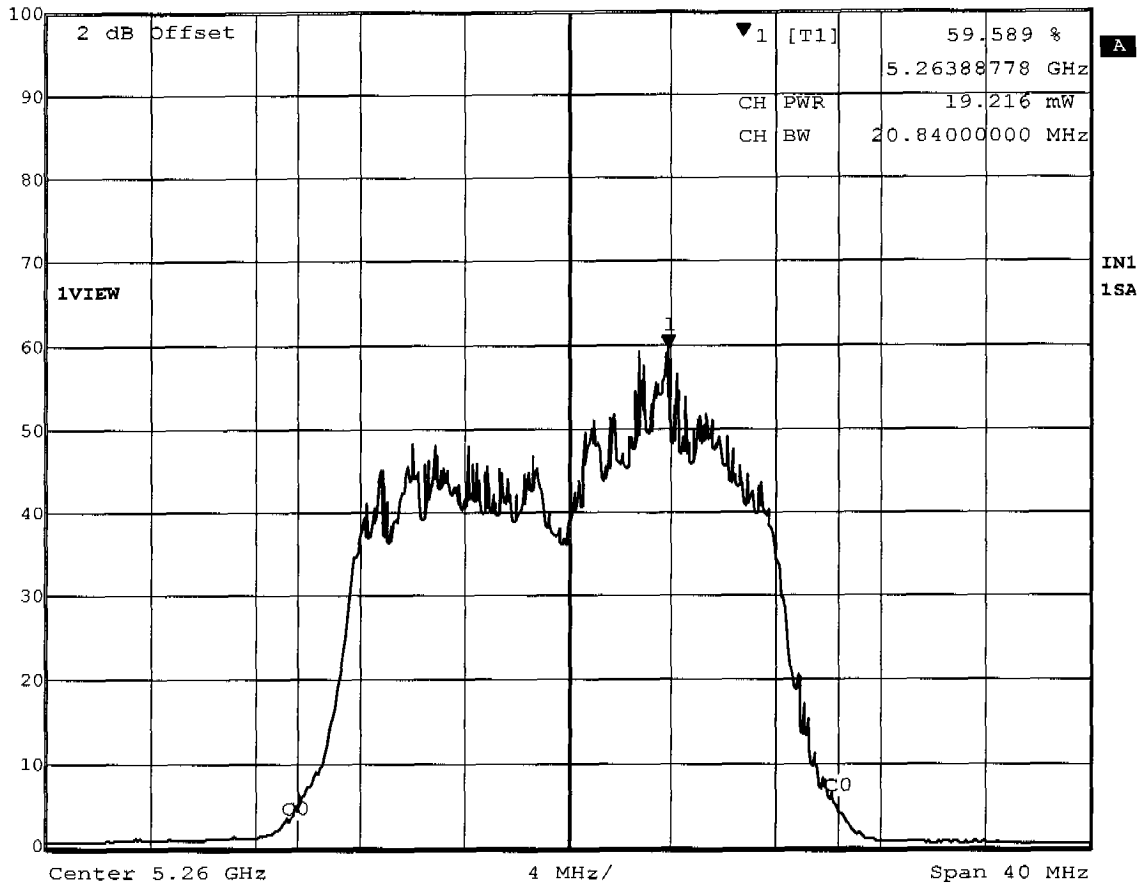
Marker 1 [T1] RBW 1 MHz RF Att 30 dB
Ref Lvl 53.442 % VBW 200 kHz
10 mW 5.24372745 GHz SWT 5 ms Unit %



Title: Peak Transmit Power 24Mb/s 120 V AC -15%
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 2.DEC.2003 13:04:40



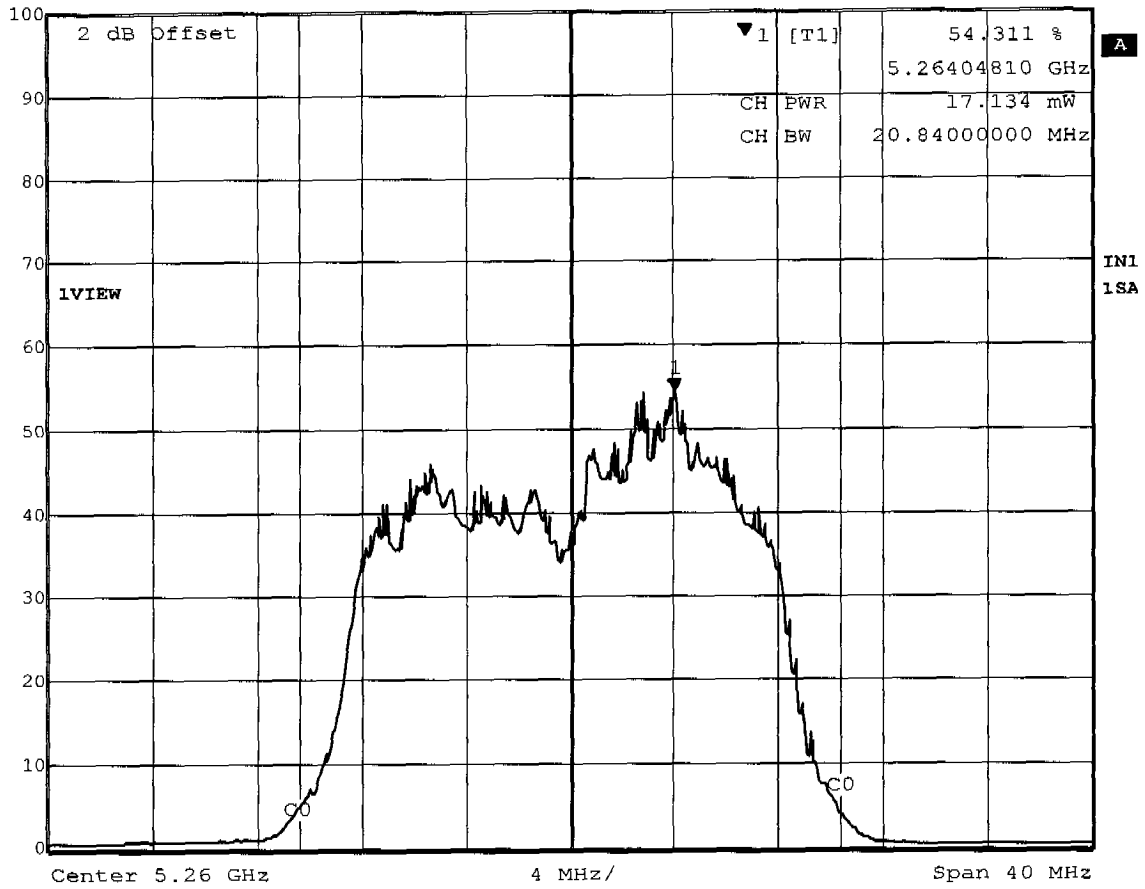
Marker 1 [T1] RBW 1 MHz RF Att 30 dB
Ref Lvl 59.589 % VBW 200 kHz
10 mW 5.26388778 GHz SWT 5 ms Unit %



Title: Peak Transmit Power 24Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 27.NOV.2003 10:13:40



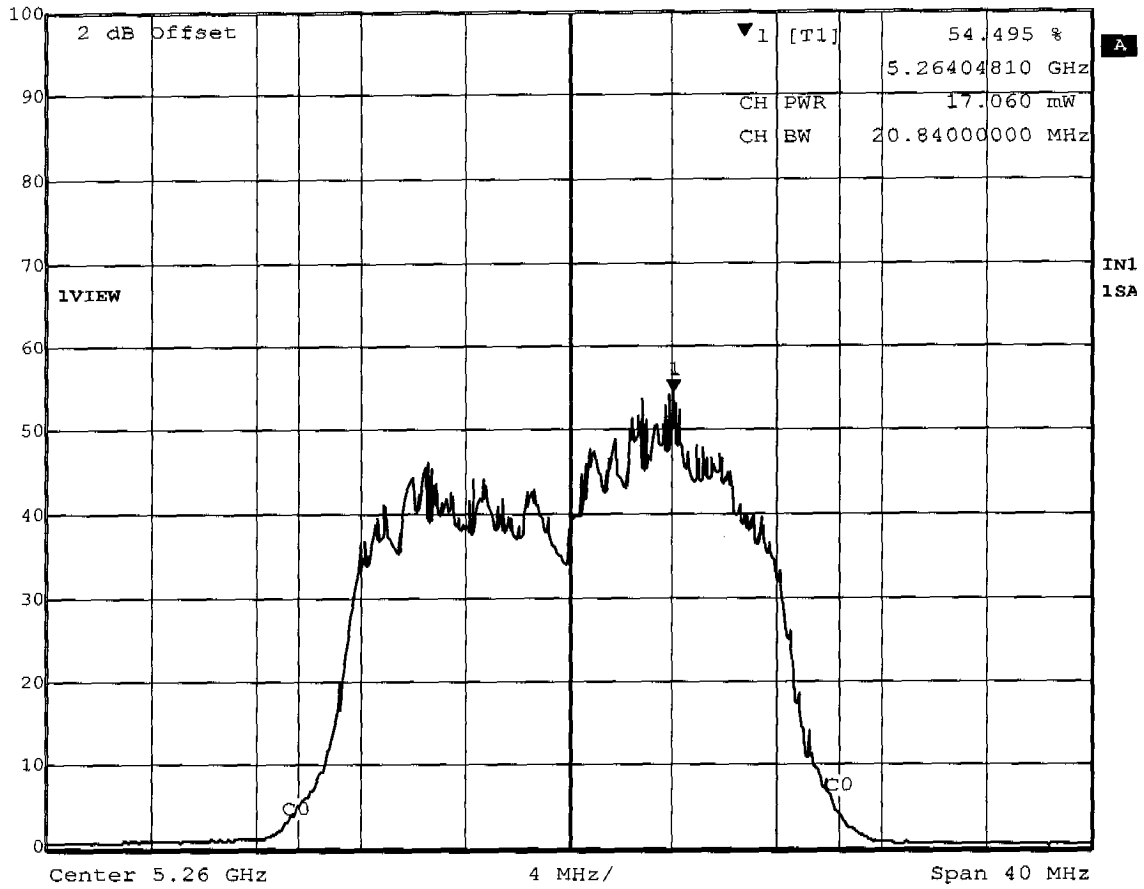
Marker 1 [T1] RBW 1 MHz RF Att 30 dB
Ref Lvl 54.311 % VBW 200 kHz
10 mW 5.26404810 GHz SWT 5 ms Unit %



Title: Peak Transmit Power 24Mb/s 120 V AC +15%
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 2.DEC.2003 12:57:12



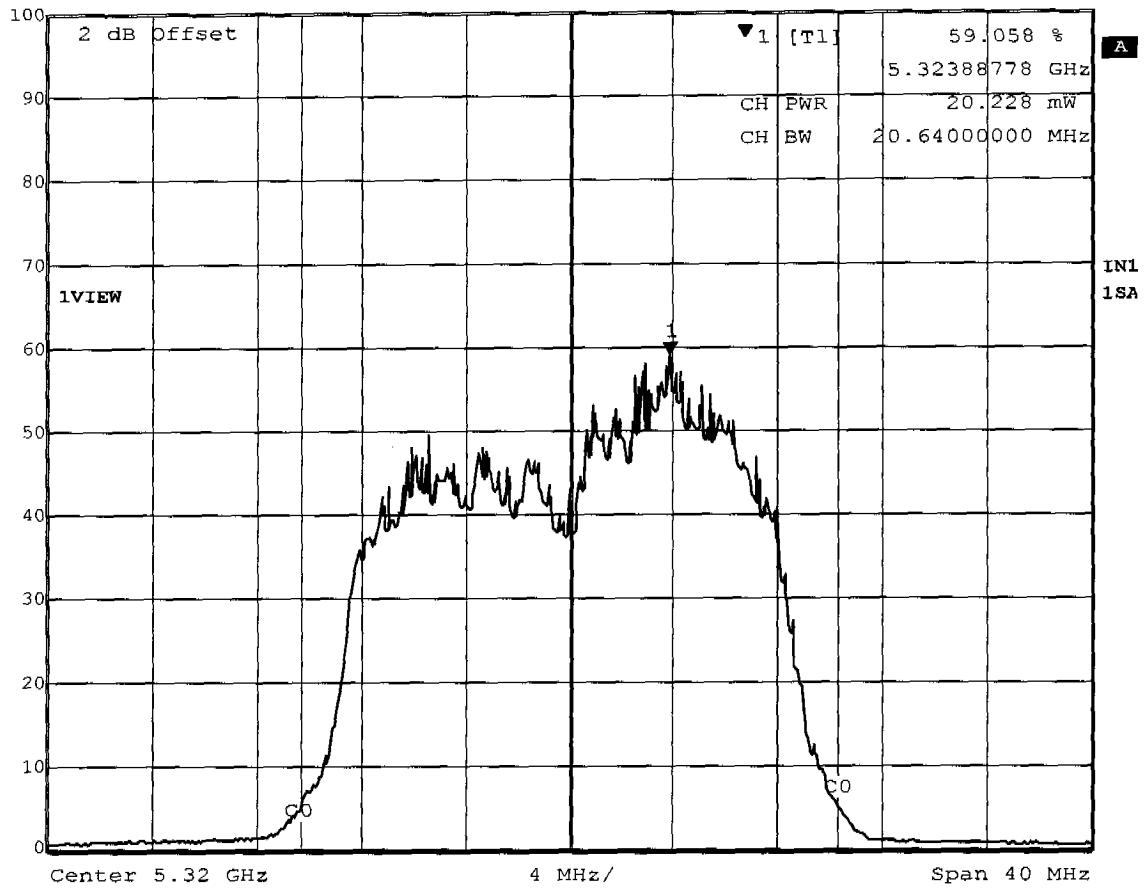
Marker 1 [T1] REW 1 MHz RF Att 30 dB
Ref Lvl 54.495 % VBW 200 kHz
10 mW 5.26404810 GHz SWT 5 ms Unit %



Title: Peak Transmit Power 24Mb/s 120 V AC -15%
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 2.DEC.2003 12:54:29



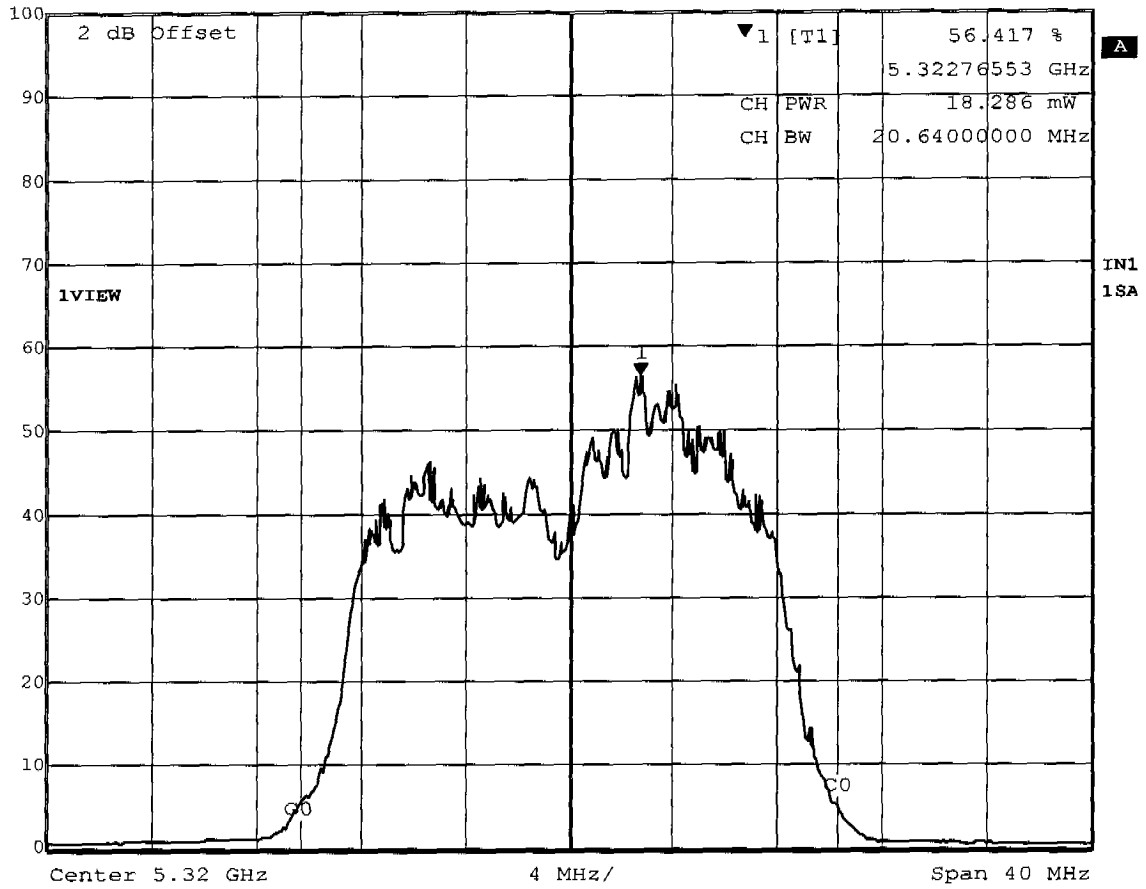
Marker 1 [T1] RBW 1 MHz RF Att 30 dB
Ref Lvl 59.058 % VBW 200 kHz
10 mW 5.32388778 GHz SWT 5 ms Unit %



Title: Peak Transmit Power 24Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 27.NOV.2003 10:15:25



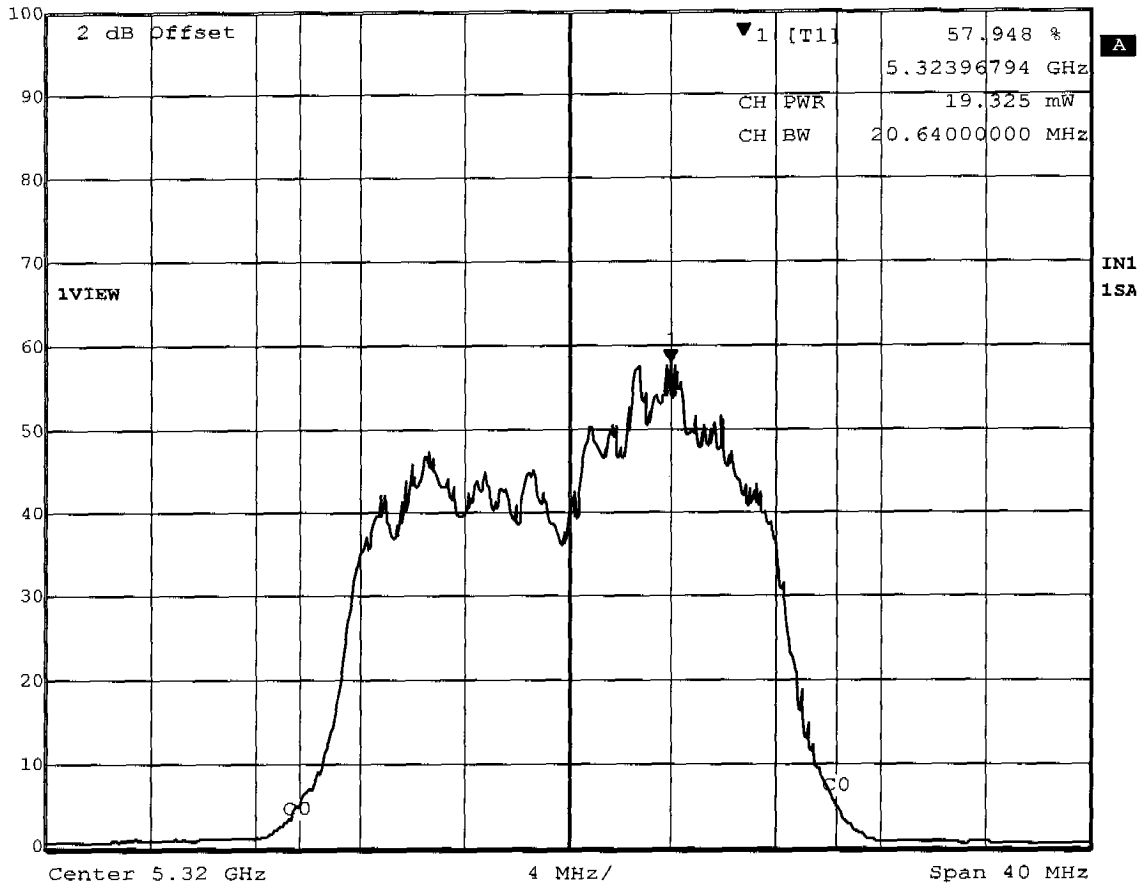
Marker 1 [T1] RBW 1 MHz RF Att 30 dB
Ref Lvl 56.417 % VBW 200 kHz
10 mW 5.32276553 GHz SWT 5 ms Unit %



Title: Peak Transmit Power 24Mb/s 120 V AC +15%
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 2.DEC.2003 12:47:45



Marker 1 [T1] RBW 1 MHz RF Att 30 dB
Ref Lvl 57.948 % VBW 200 kHz
10 mW 5.32396794 GHz SWT 5 ms Unit %



Title: Peak Transmit Power 24Mb/s 120 V AC -15%
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 2.DEC.2003 12:34:57

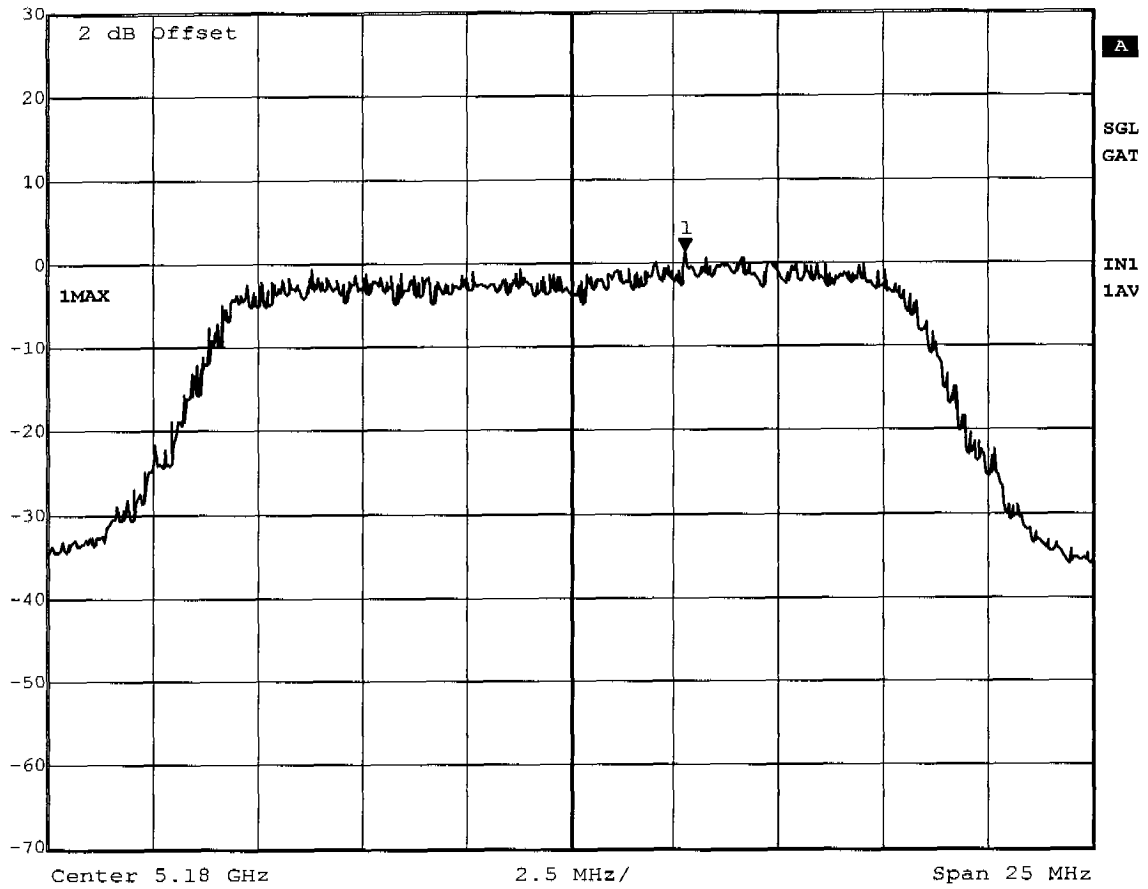


Appendix D

Peak Power Spectral Density



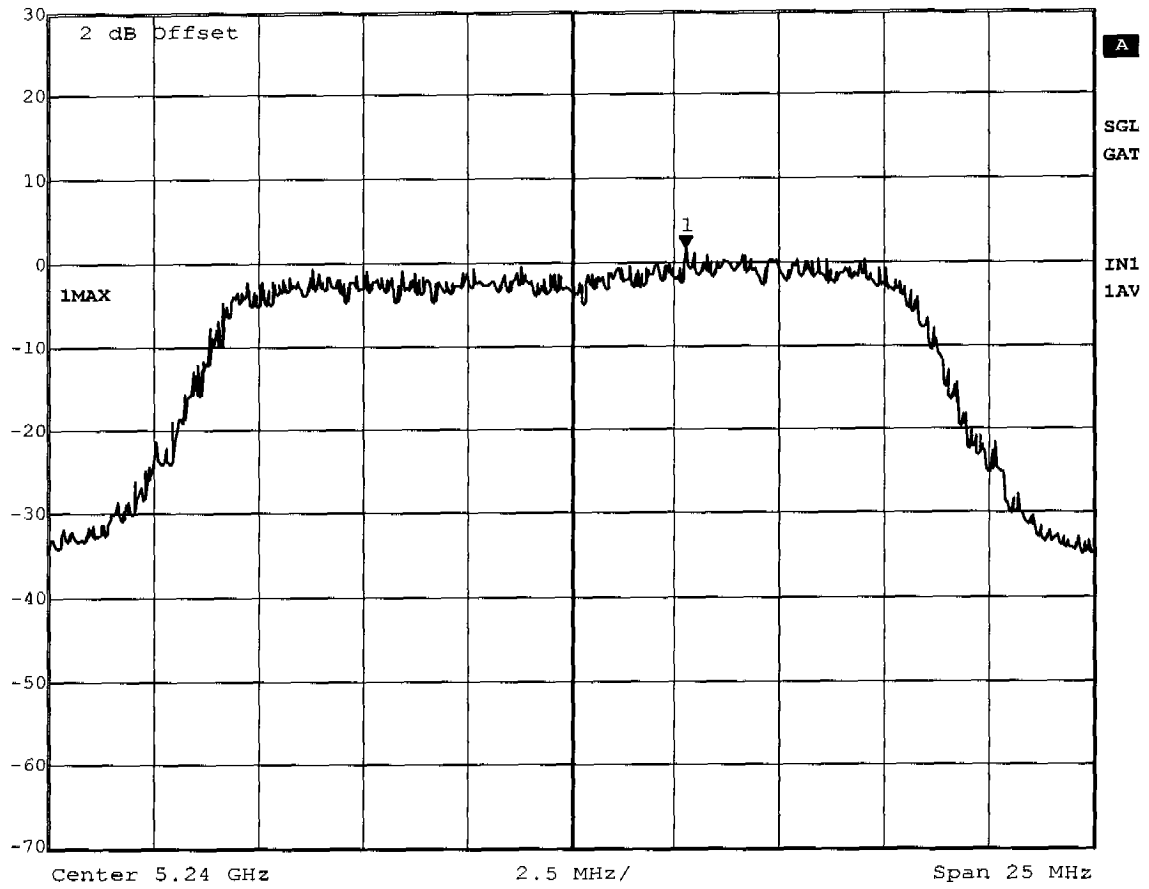
Marker 1 [T1] RBW 1 MHz RF Att 50 dB
Ref Lvl 1.29 dBm VBW 3 MHz
30 dBm 5.18278056 GHz SWT 5 ms Unit dBm



Title: Peak Power Spectral Density 72Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 27.NOV.2003 13:22:09



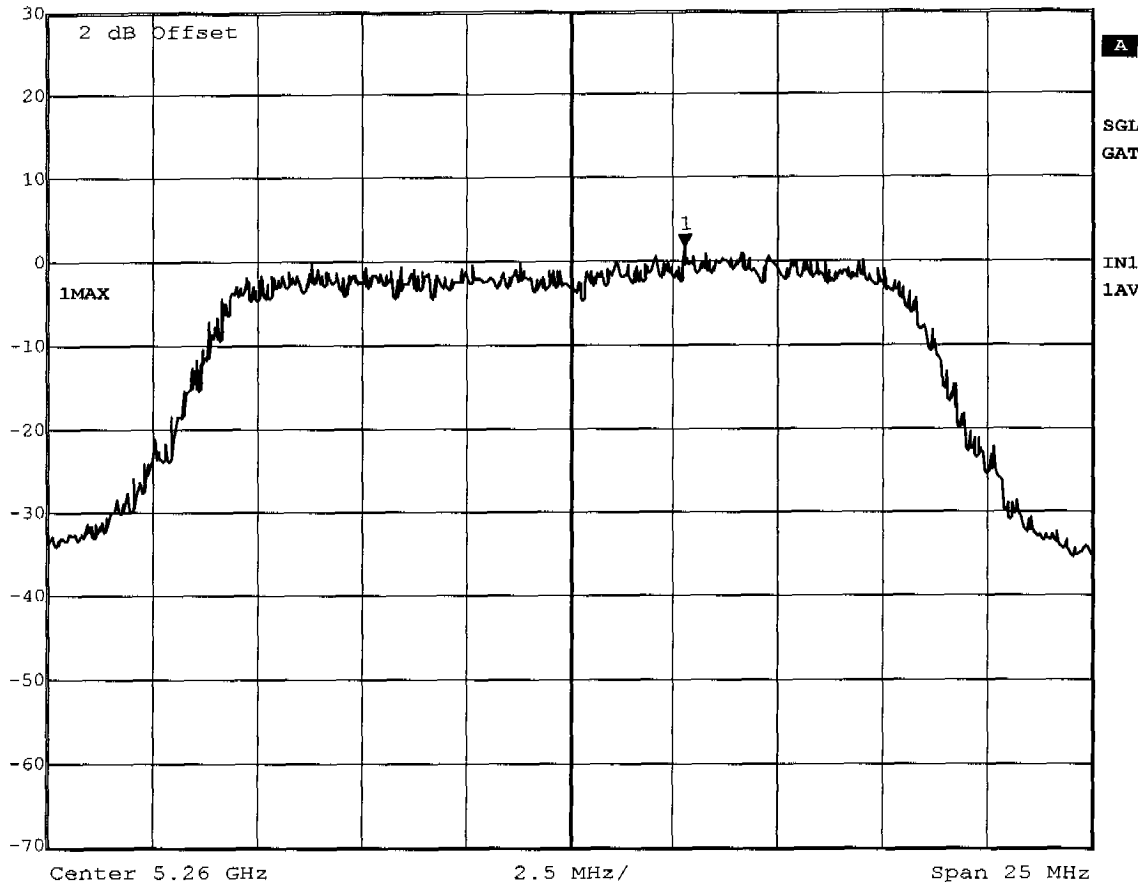
Marker 1 [T1] RBW 1 MHz RF Att 50 dB
Ref Lvl 1.55 dBm VBW 3 MHz
30 dBm 5.24278056 GHz SWT 5 ms Unit dBm



Title: Peak Power Spectral Density 72Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 27.NOV.2003 13:23:11



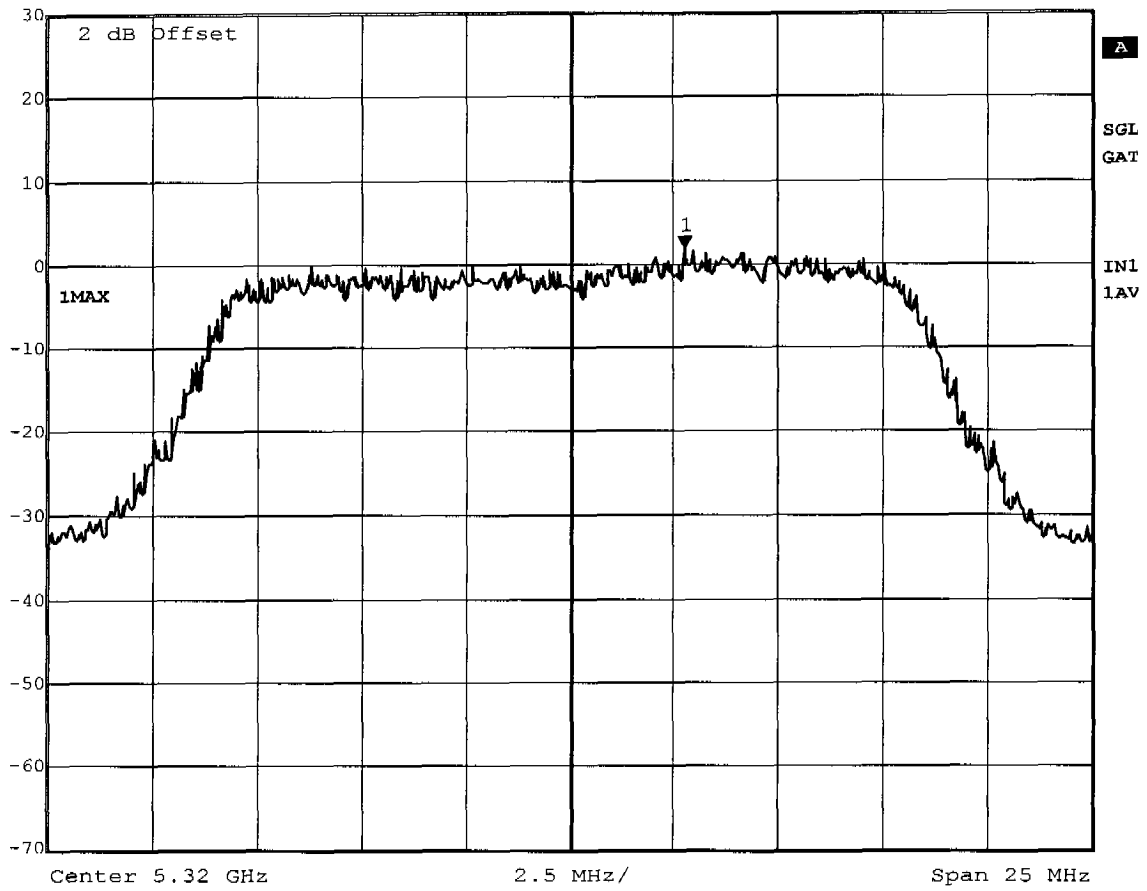
Marker 1 [T1]	RBW	1 MHz	RF Att	50 dB
Ref Lvl	1.58 dBm	VBW	3 MHz	
30 dBm	5.26278056 GHz	SWT	5 ms	Unit dBm



Title: Peak Power Spectral Density 72Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 27.NOV.2003 13:21:04



Marker 1 [T1] RBW 1 MHz RF Att 50 dB
Ref Lvl 2.00 dBm VBW 3 MHz
30 dBm 5.32278056 GHz SWT 5 ms Unit dBm



Title: Peak Power Spectral Density 72Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 27.NOV.2003 13:24:14



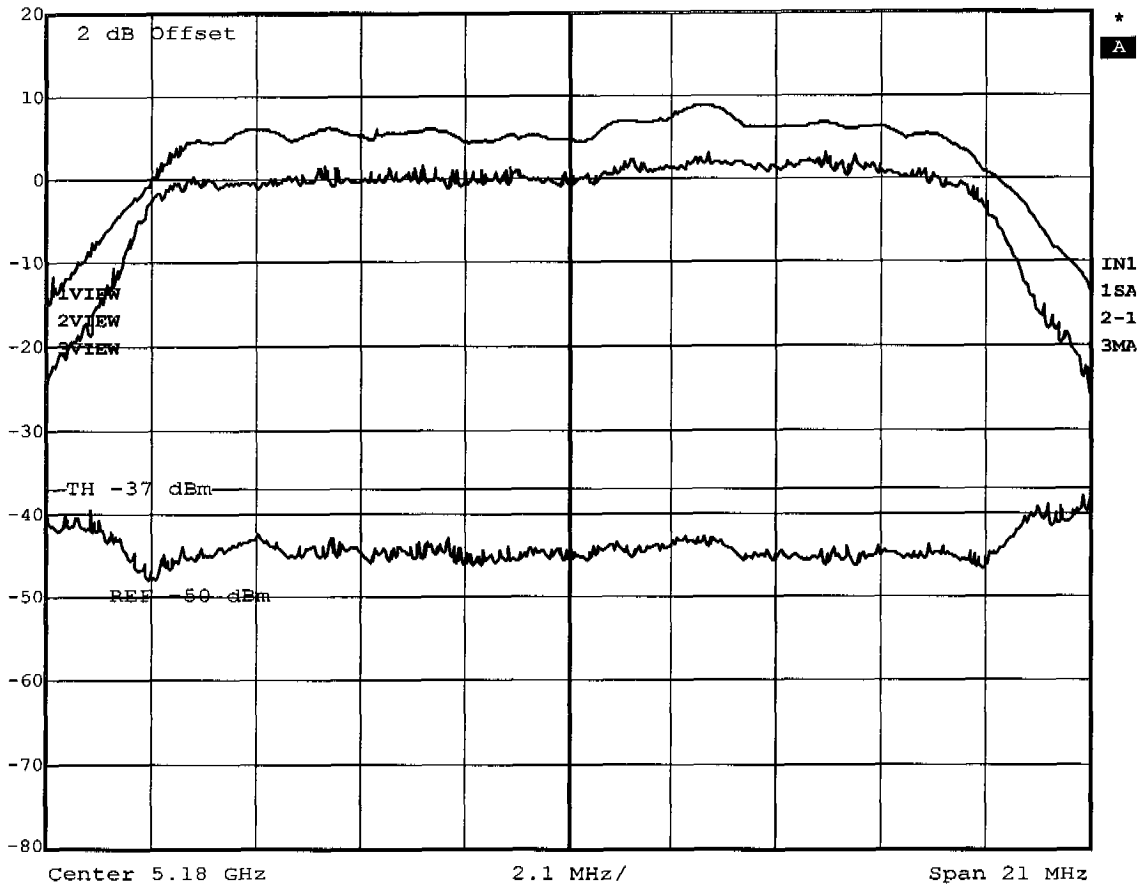
Appendix E

Ratio of the Peak Excursion of the modulation envelope



Ref Lvl
20 dBm

RBW 1 MHz RF Att 40 dB
VBW 3 MHz
SWT 5 ms Unit dBm

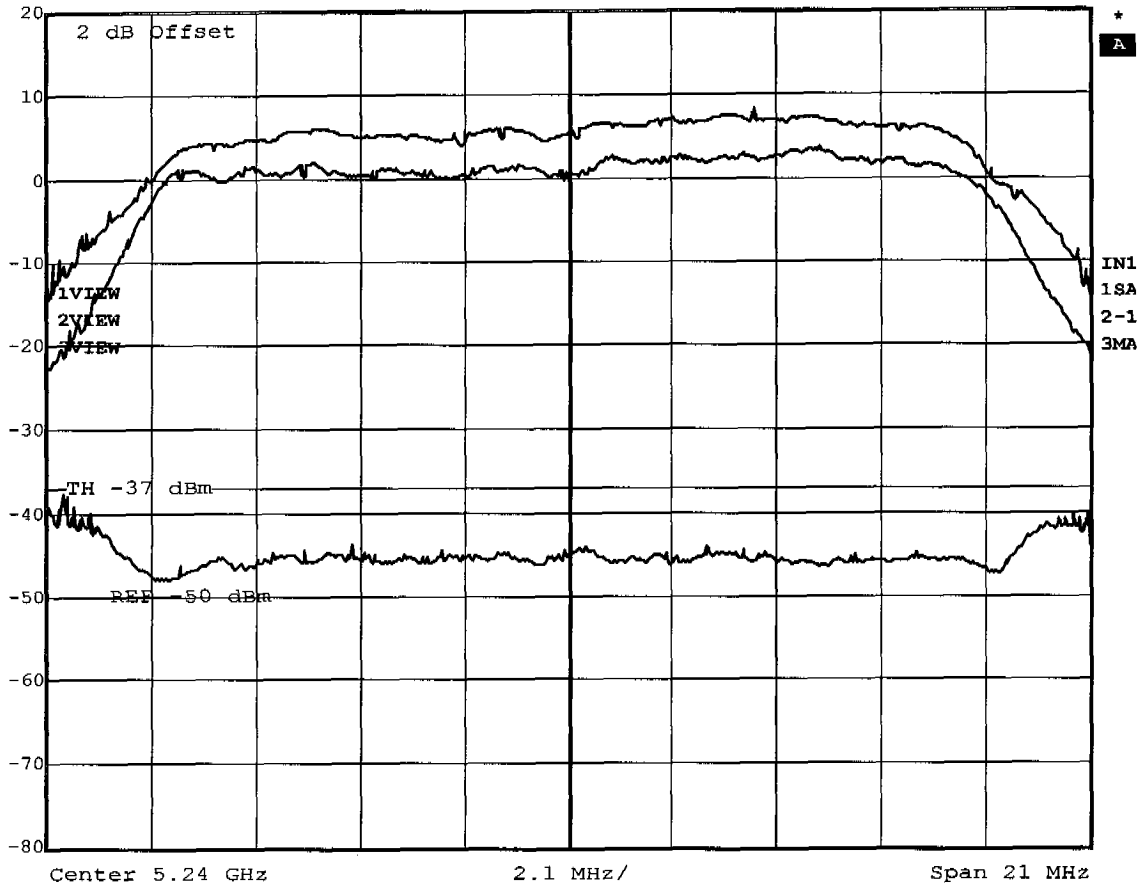


Title: Peak Excursion of the Modulation Envelope
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 2.DEC.2003 10:46:31



Ref Lvl
20 dBm

RBW 1 MHz RF Att 40 dB
VBW 3 MHz
SWT 5 ms Unit dBm

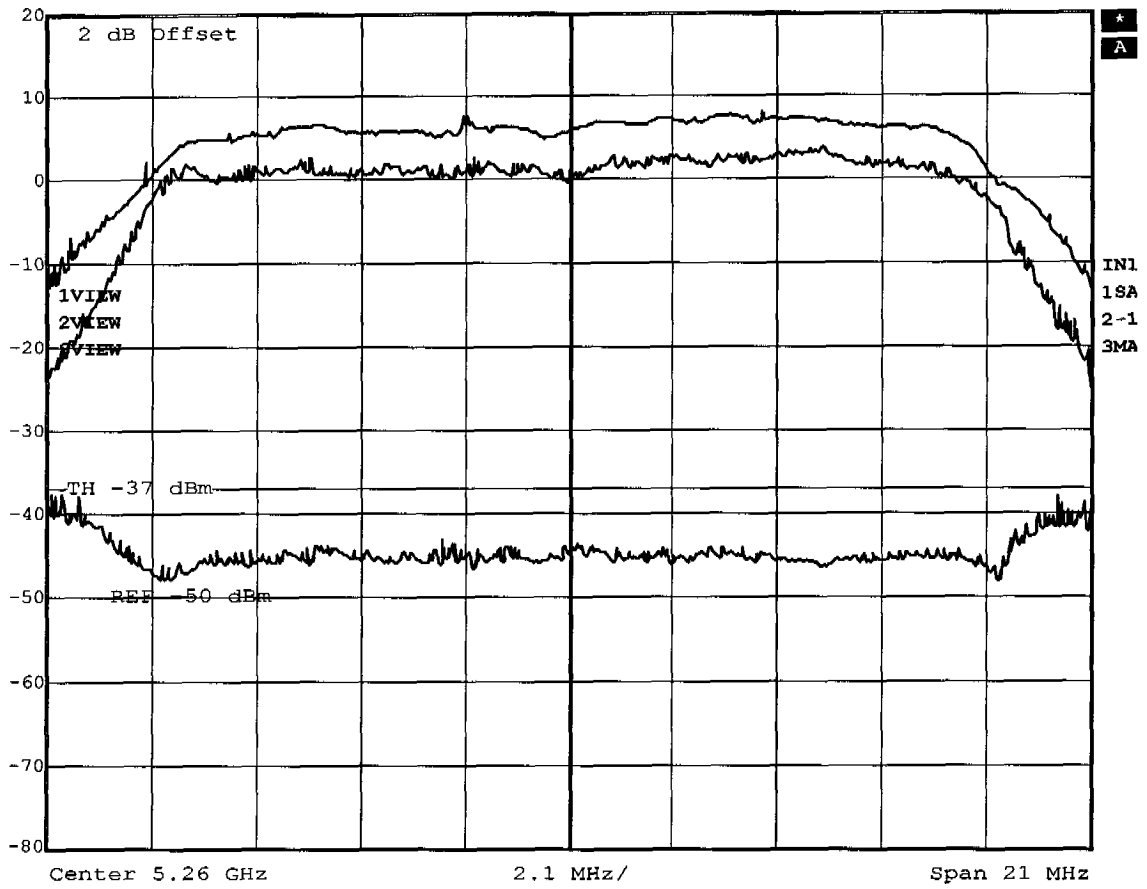


Title: Peak Excursion of the Modulation Envelope
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 2.DEC.2003 11:06:09



Ref Lvl
20 dBm

RBW 1 MHz RF Att 40 dB
VBW 3 MHz
SWT 5 ms Unit dBm

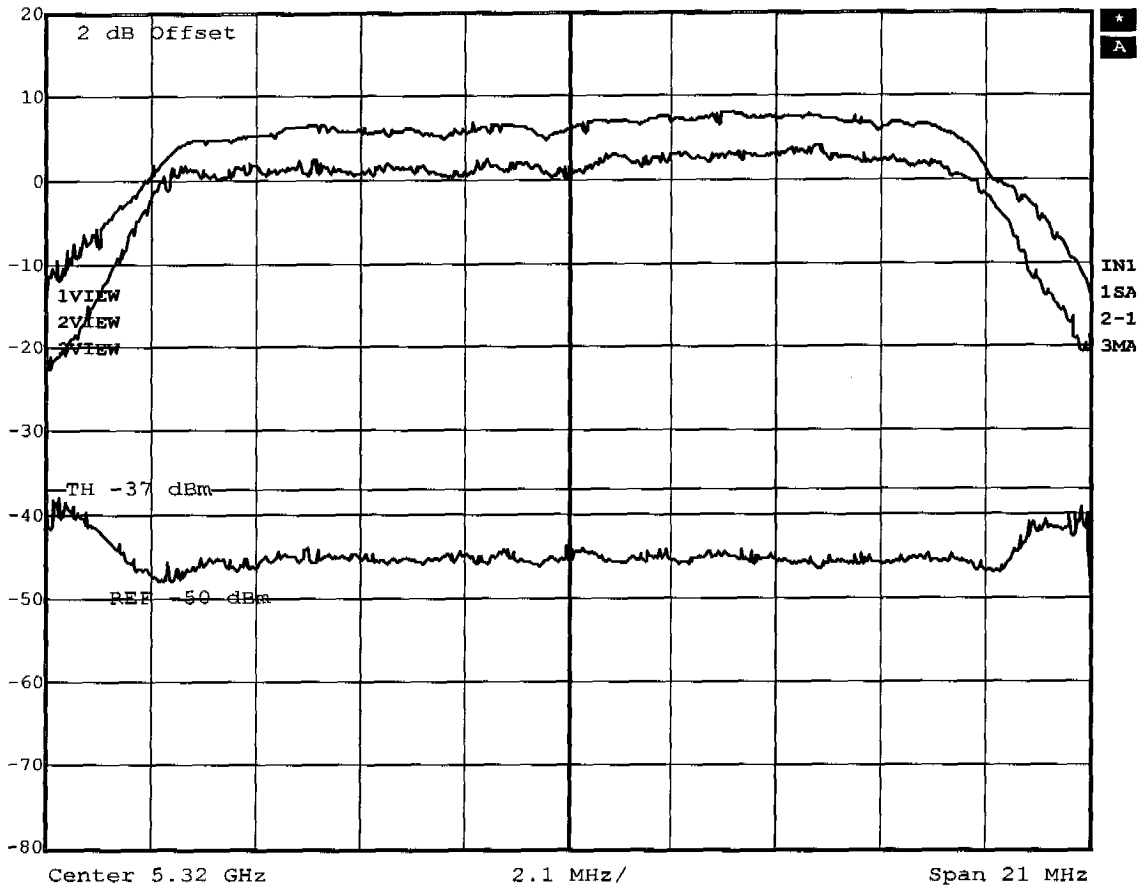


Title: Peak Excursion of the Modulation Envelope
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 2.DEC.2003 11:01:56



Ref Lvl
20 dBm

RBW 1 MHz RF Att 40 dB
VBW 3 MHz
SWT 5 ms Unit dBm



Title: Peak Excursion of the Modulation Envelope
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 2.DEC.2003 11:00:16

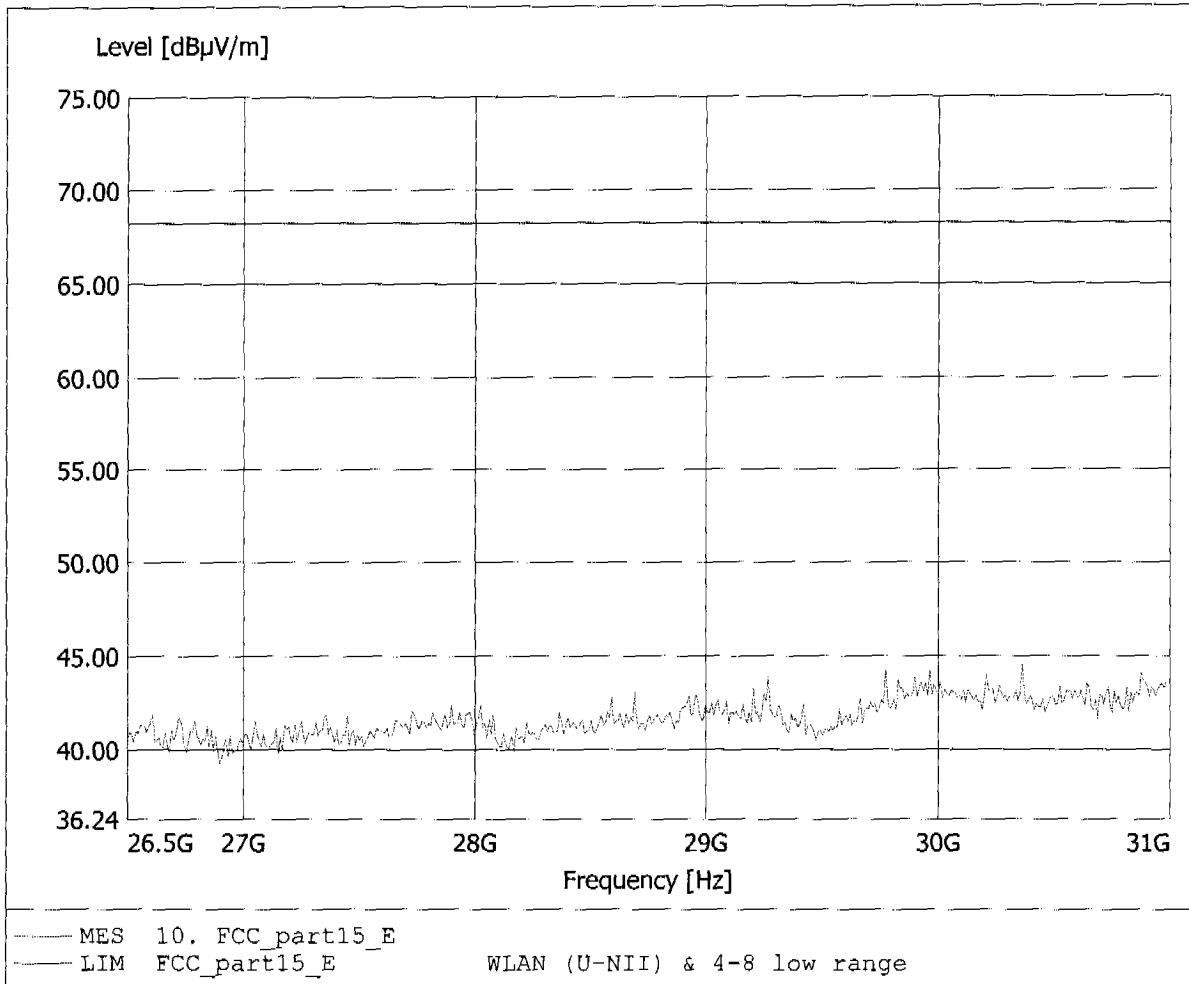


Appendix F

Peak Emissions outside the frequency band of operation

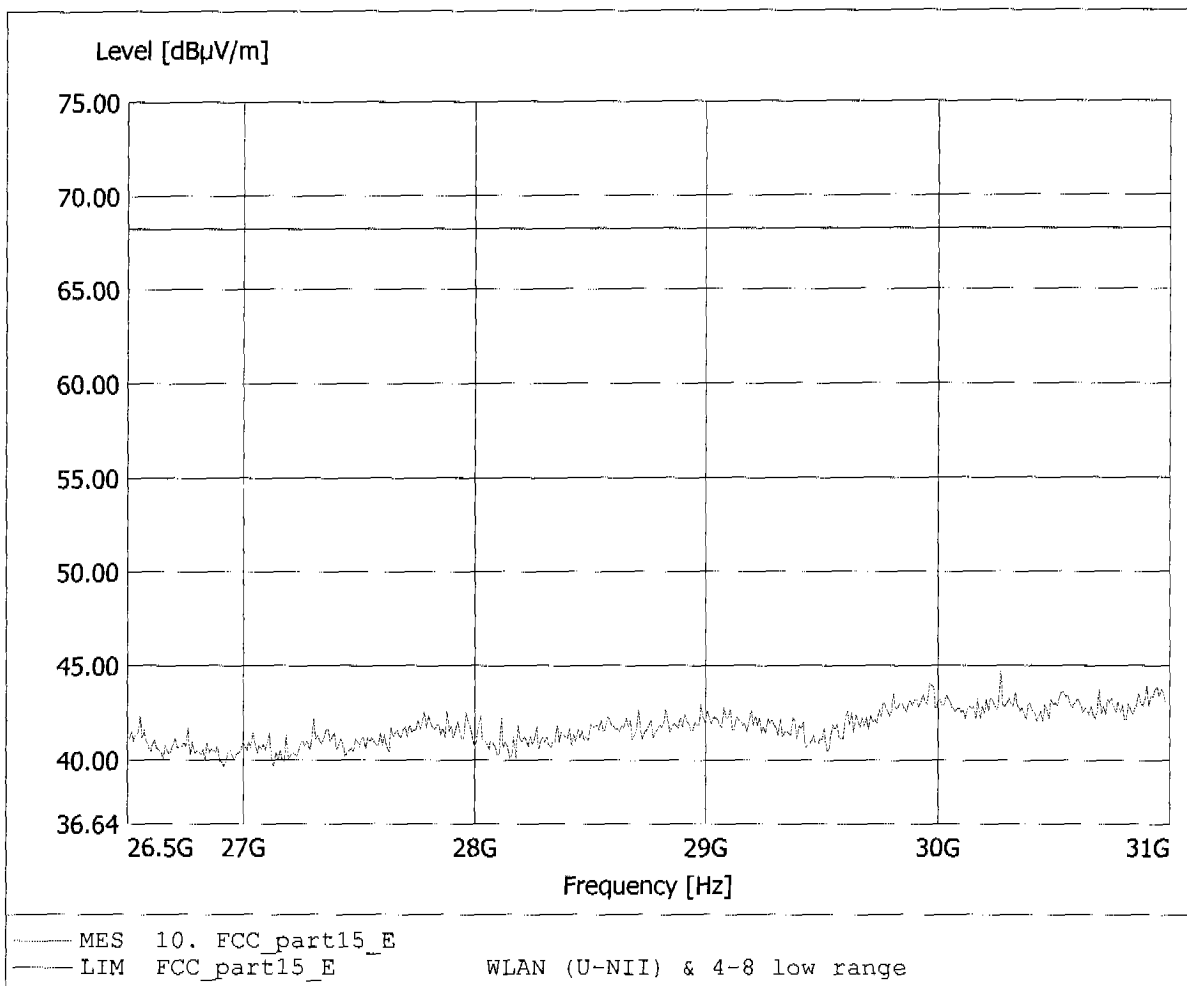
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
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 S15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 30.360GHz, Emax: 44.61dBuV/m, RBW: 1MHz



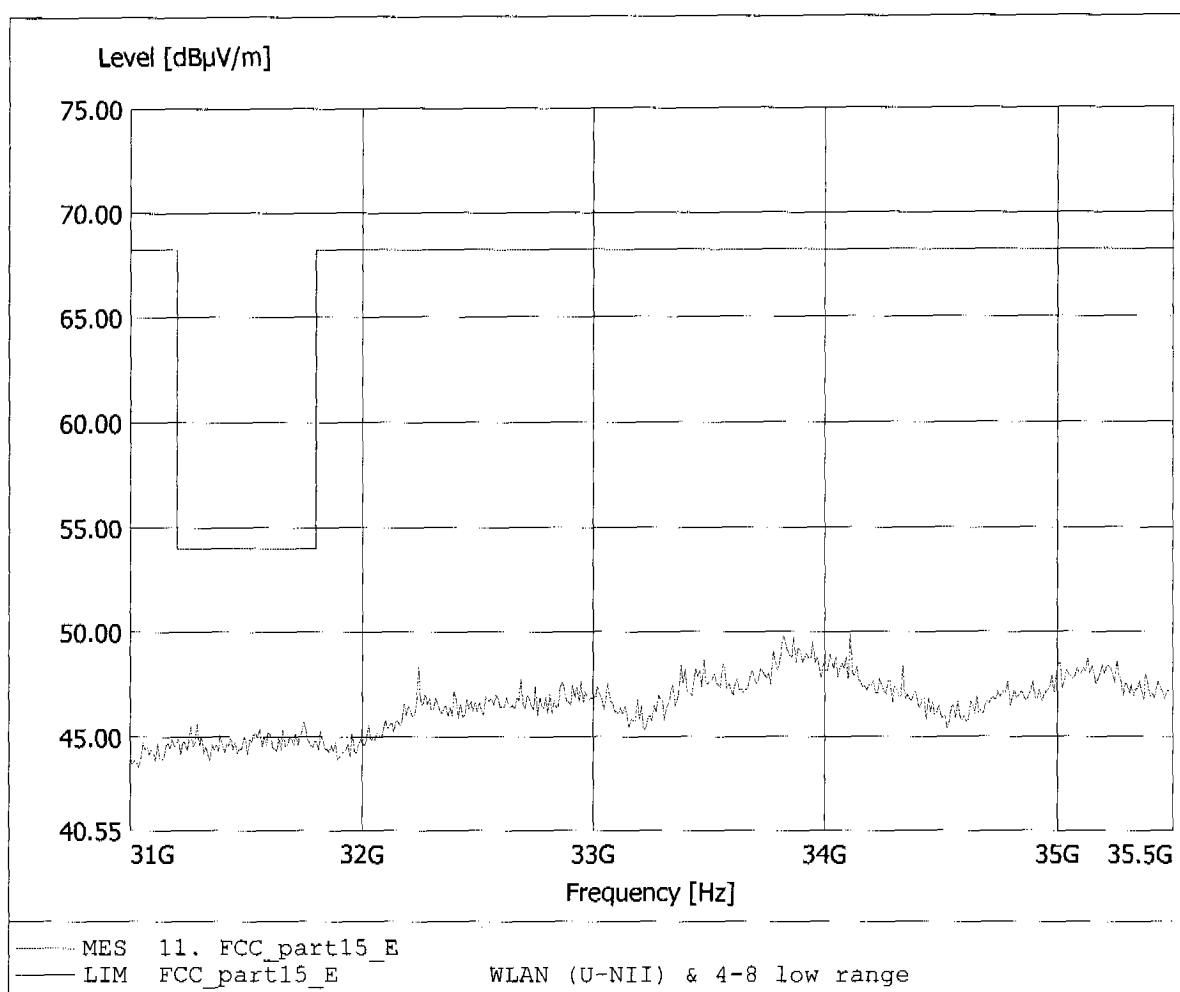
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
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 S15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 30.270GHz, Emax: 44.69dBµV/m, RBW: 1MHz



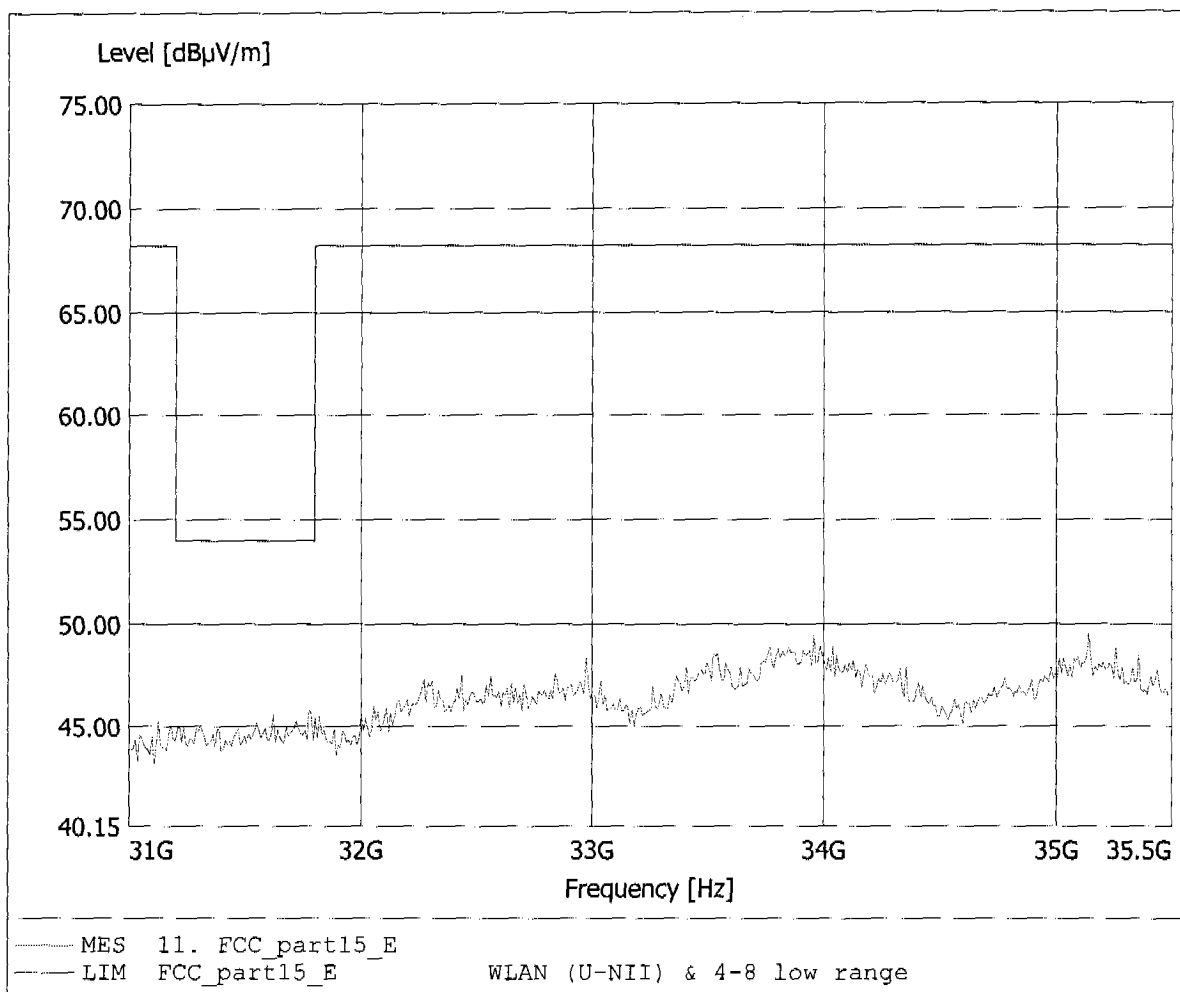
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
 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 §15.407, peak detector
 Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
 Comment 2: Freq: 34.111GHz, Emax: 49.91dBµV/m, RBW: 1MHz



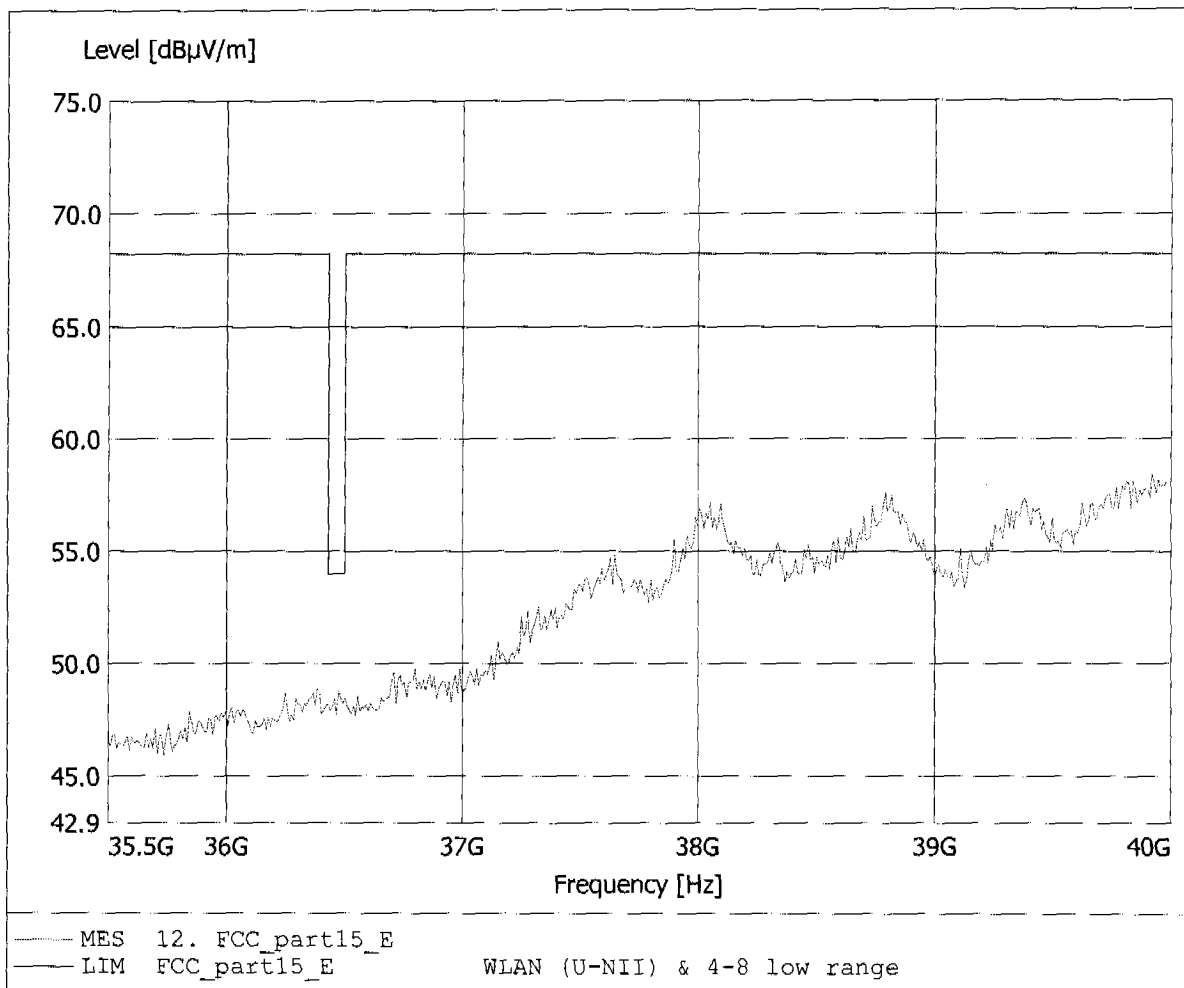
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
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 §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 35.139GHz, Emax: 49.50dBuV/m, RBW: 1MHz



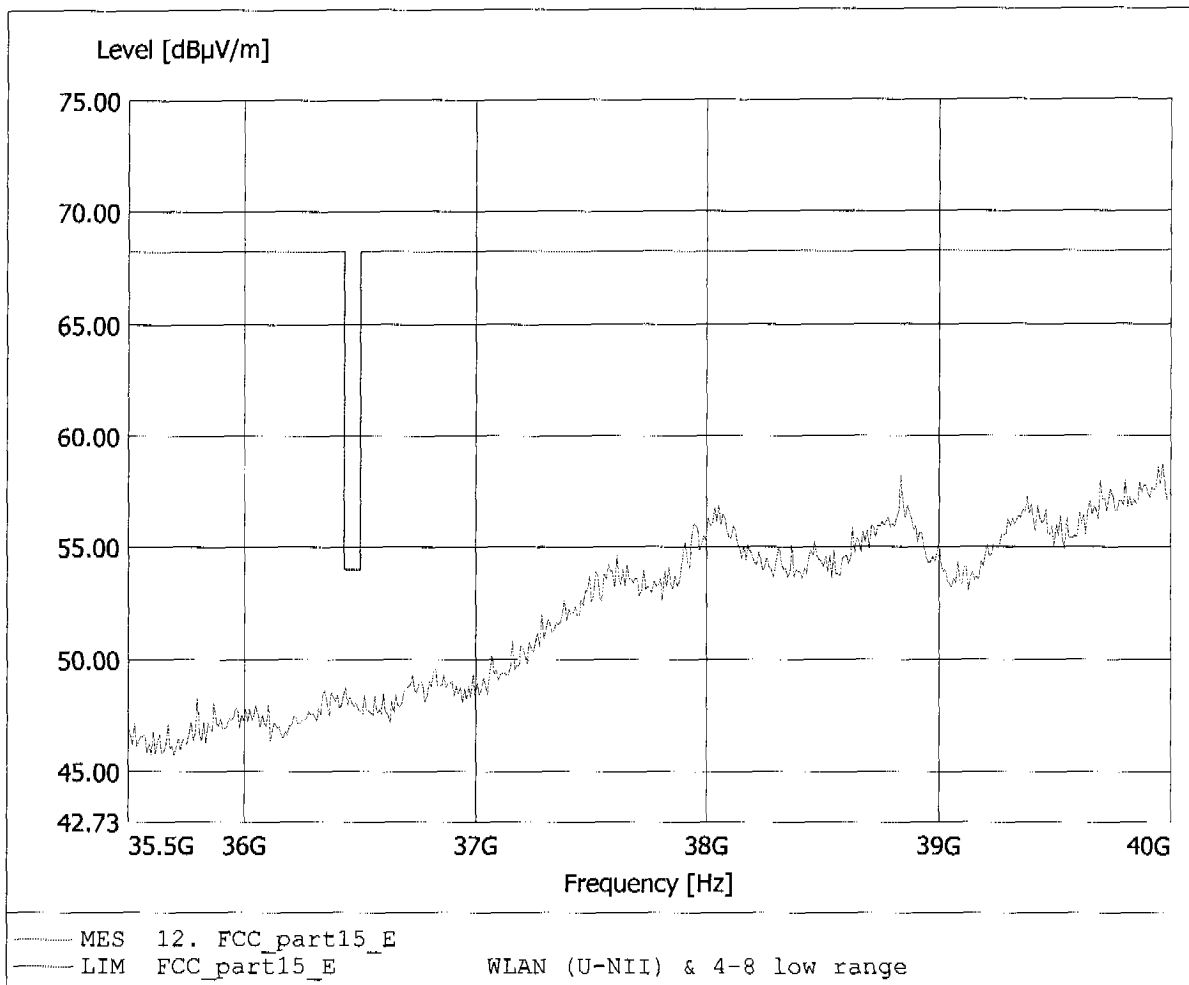
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
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 S15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 39.919GHz, Emax: 58.42dBuV/m, RBW: 1MHz



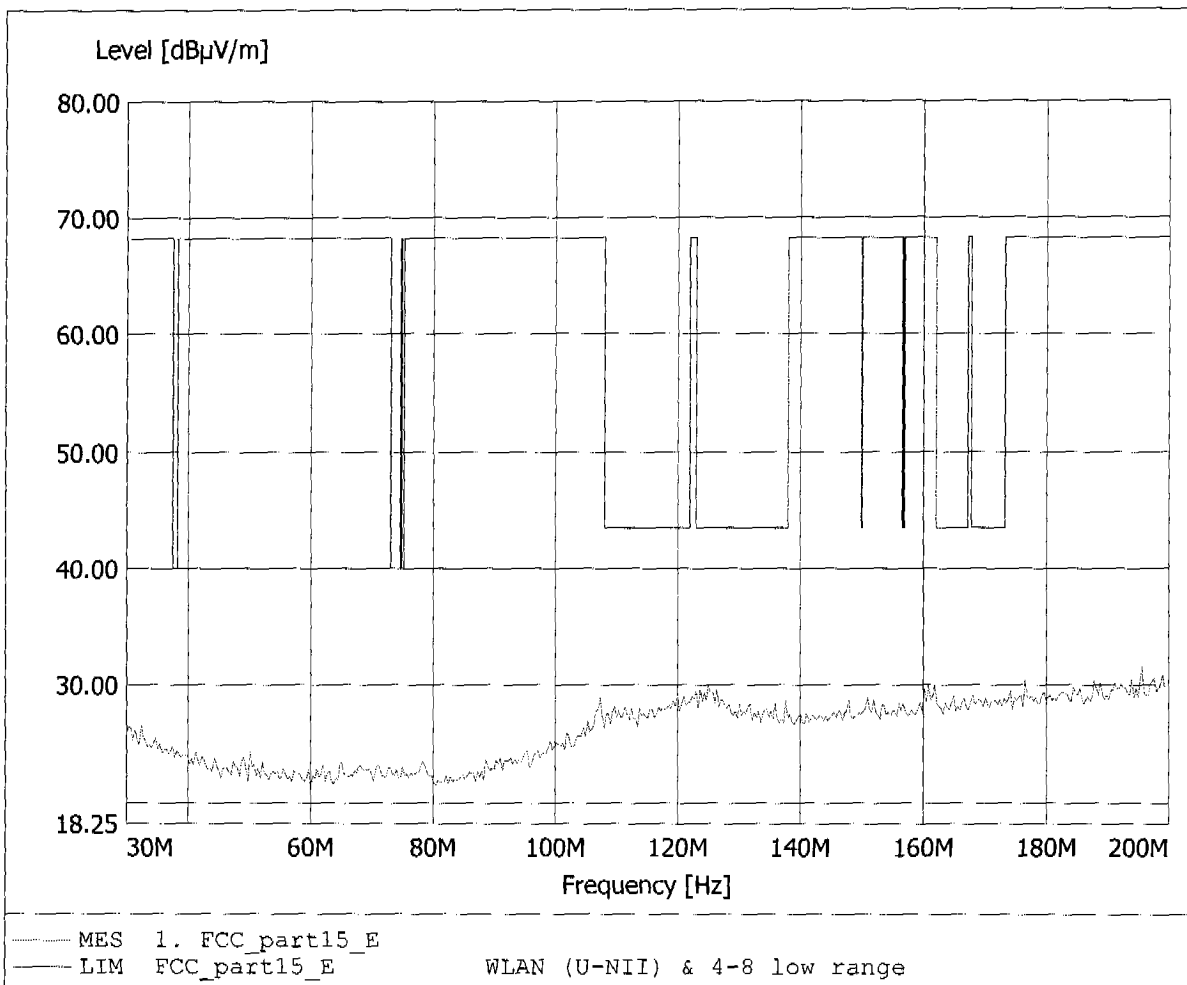
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
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 §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 39.964GHz, Emax: 58.72dBuV/m, RBW: 1MHz



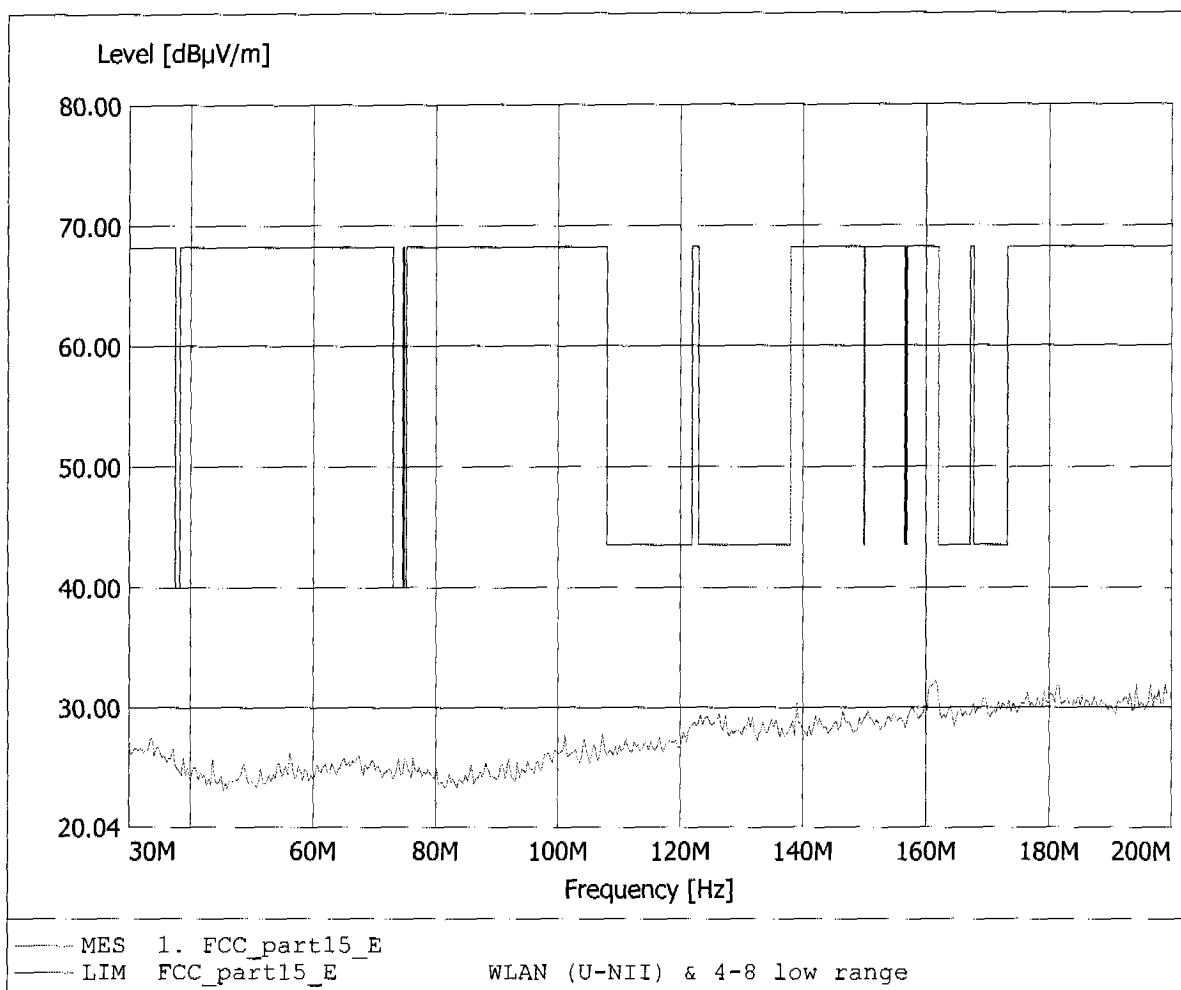
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
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 §15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 195.571MHz, Emax: 31.52dBµV/m, RBW: 100kHz



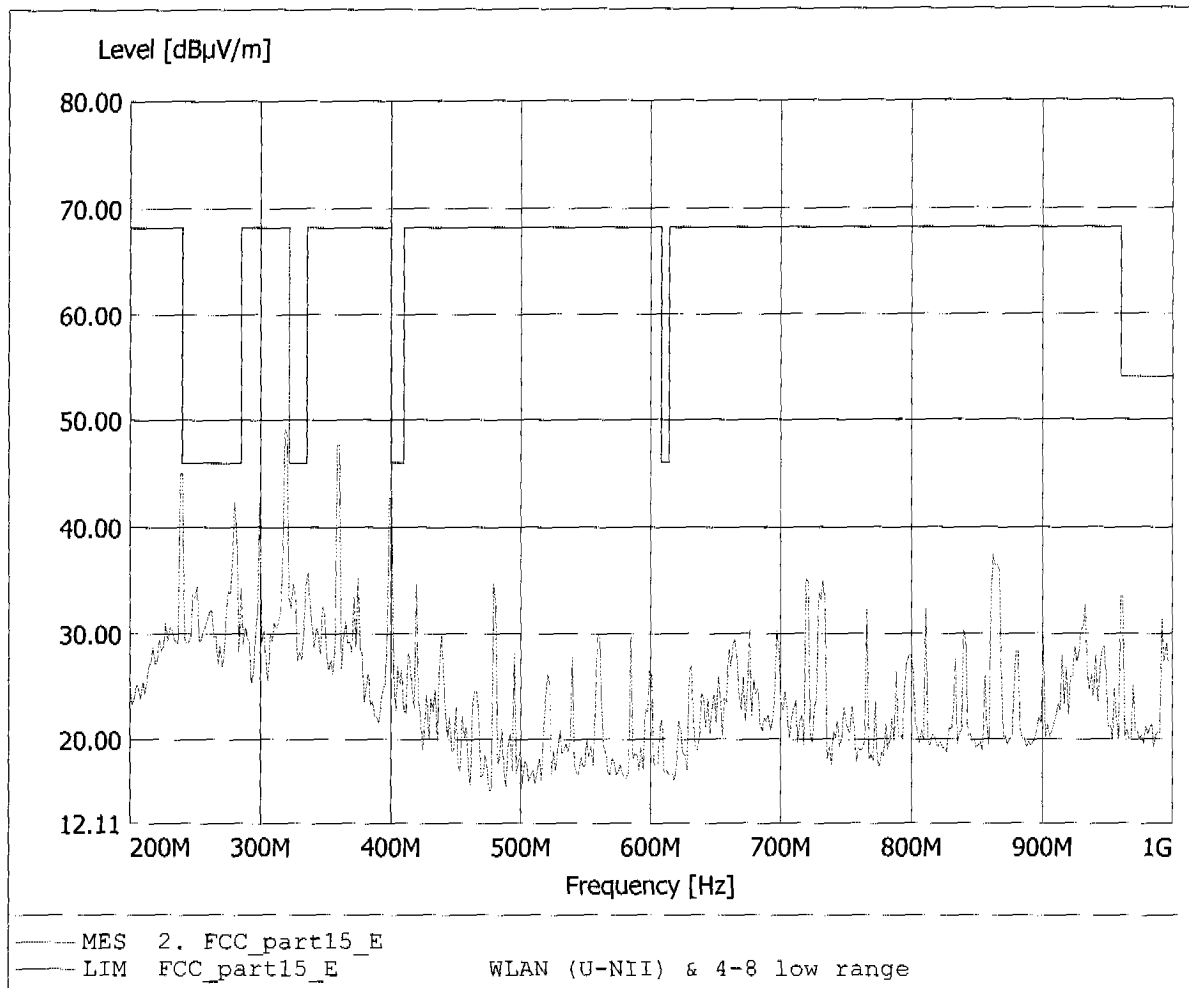
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
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 S15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 161.503MHz, Emax: 32.22dBµV/m, RBW: 100kHz



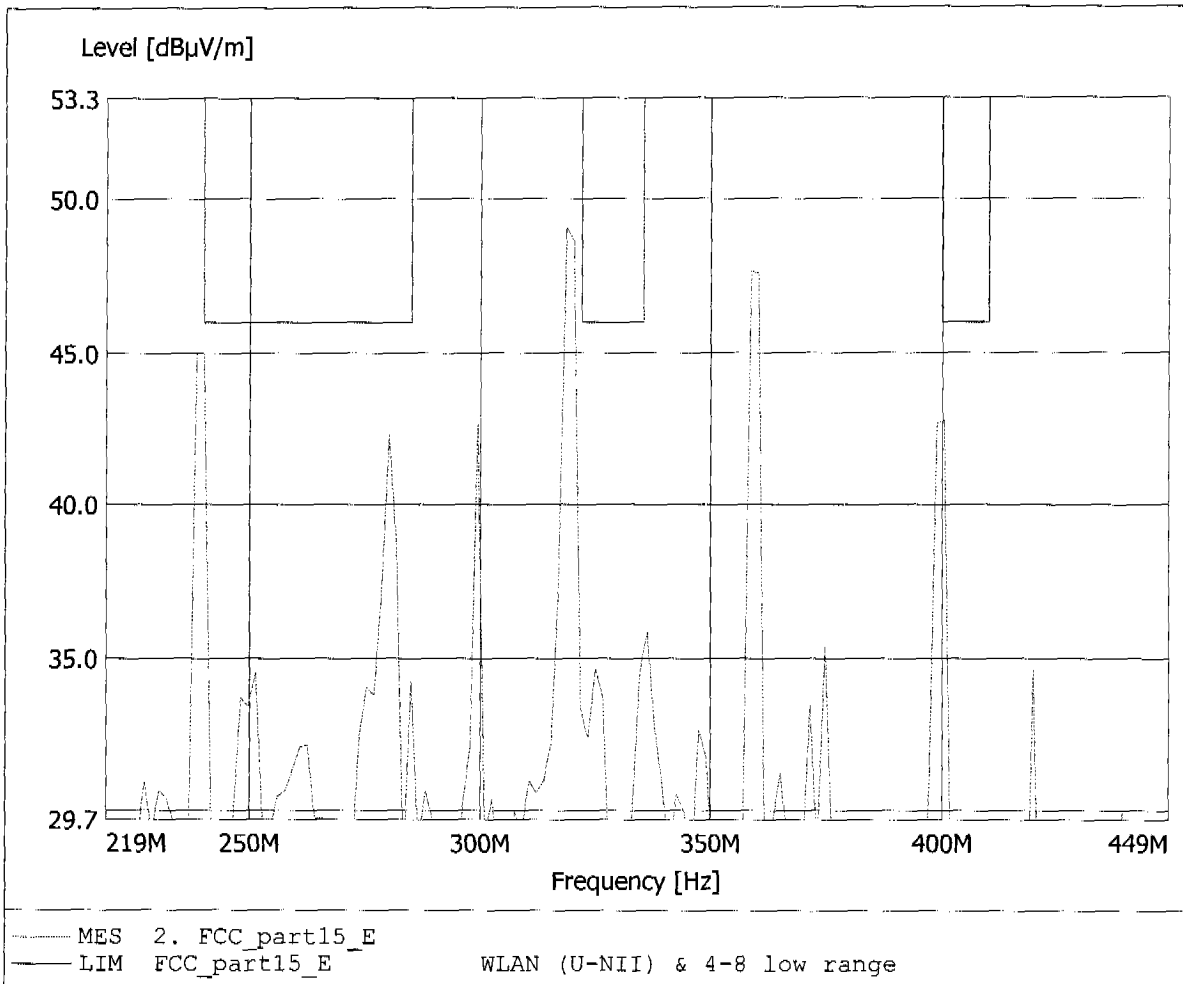
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
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 §15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 318.637MHz, Emax: 49.07dBµV/m, RBW: 100kHz



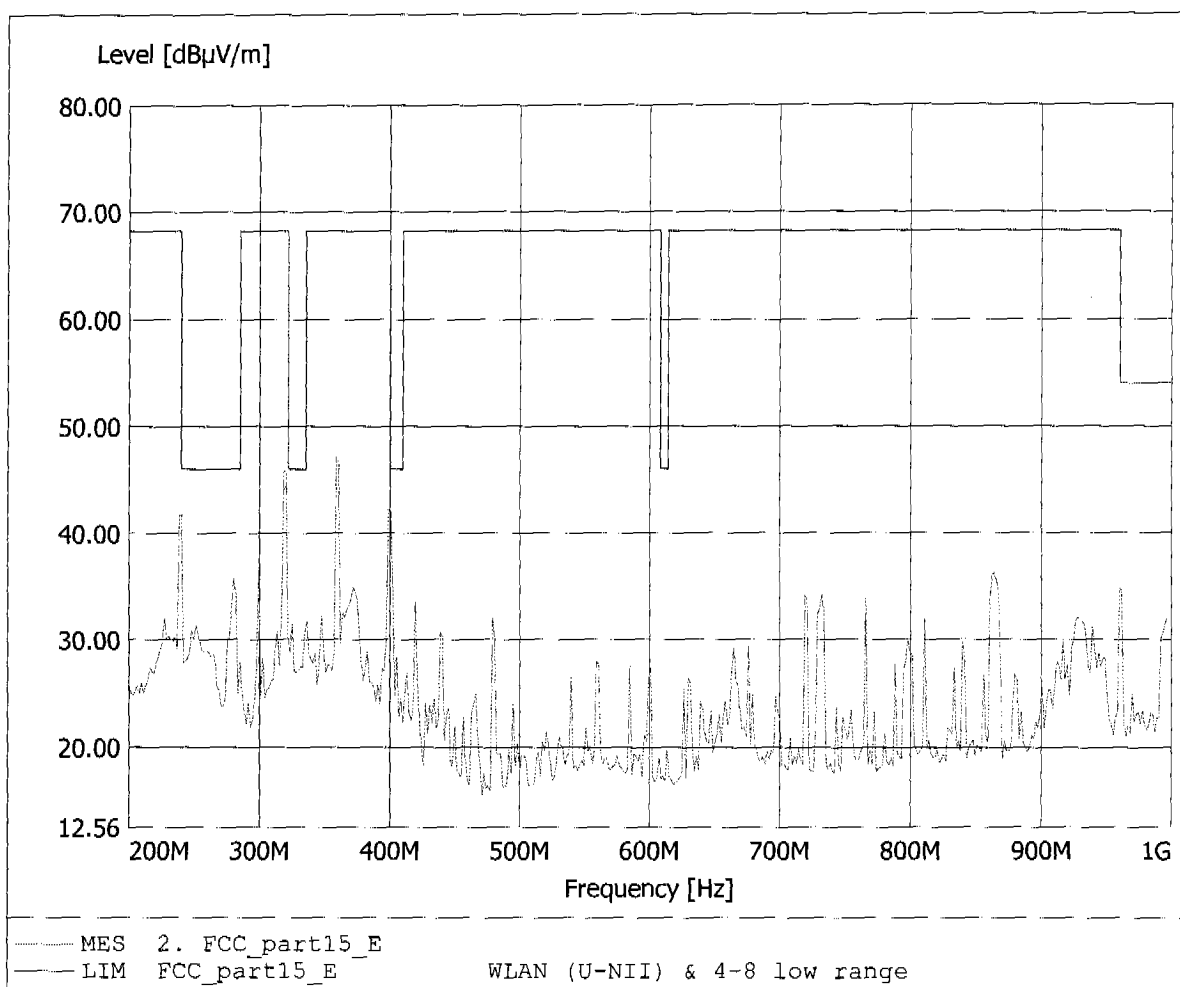
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
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 §15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 318.637MHz, Emax: 49.07dBµV/m, RBW: 100kHz



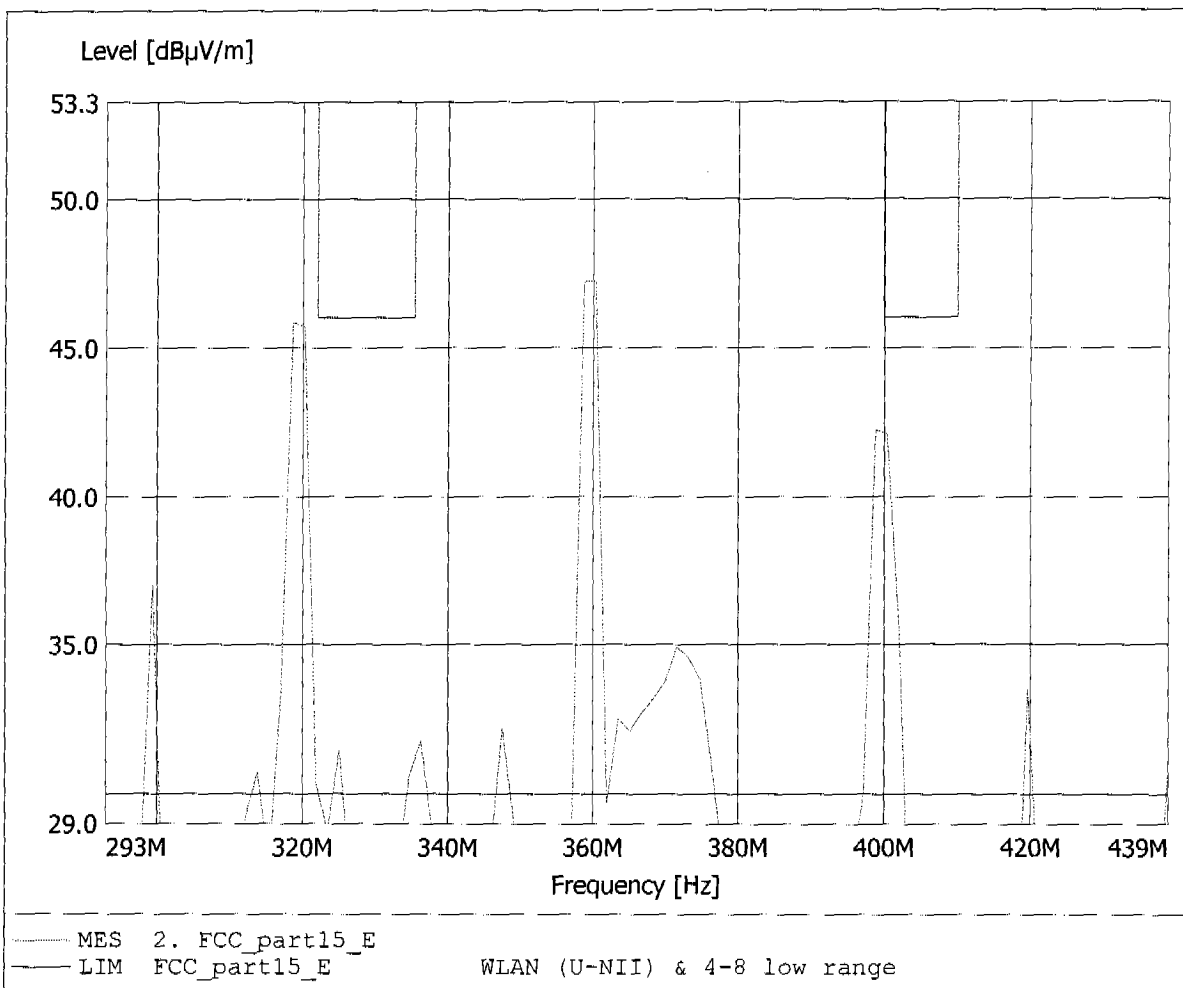
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
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 §15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 358.717MHz, Emax: 47.20dBµV/m, RBW: 100kHz



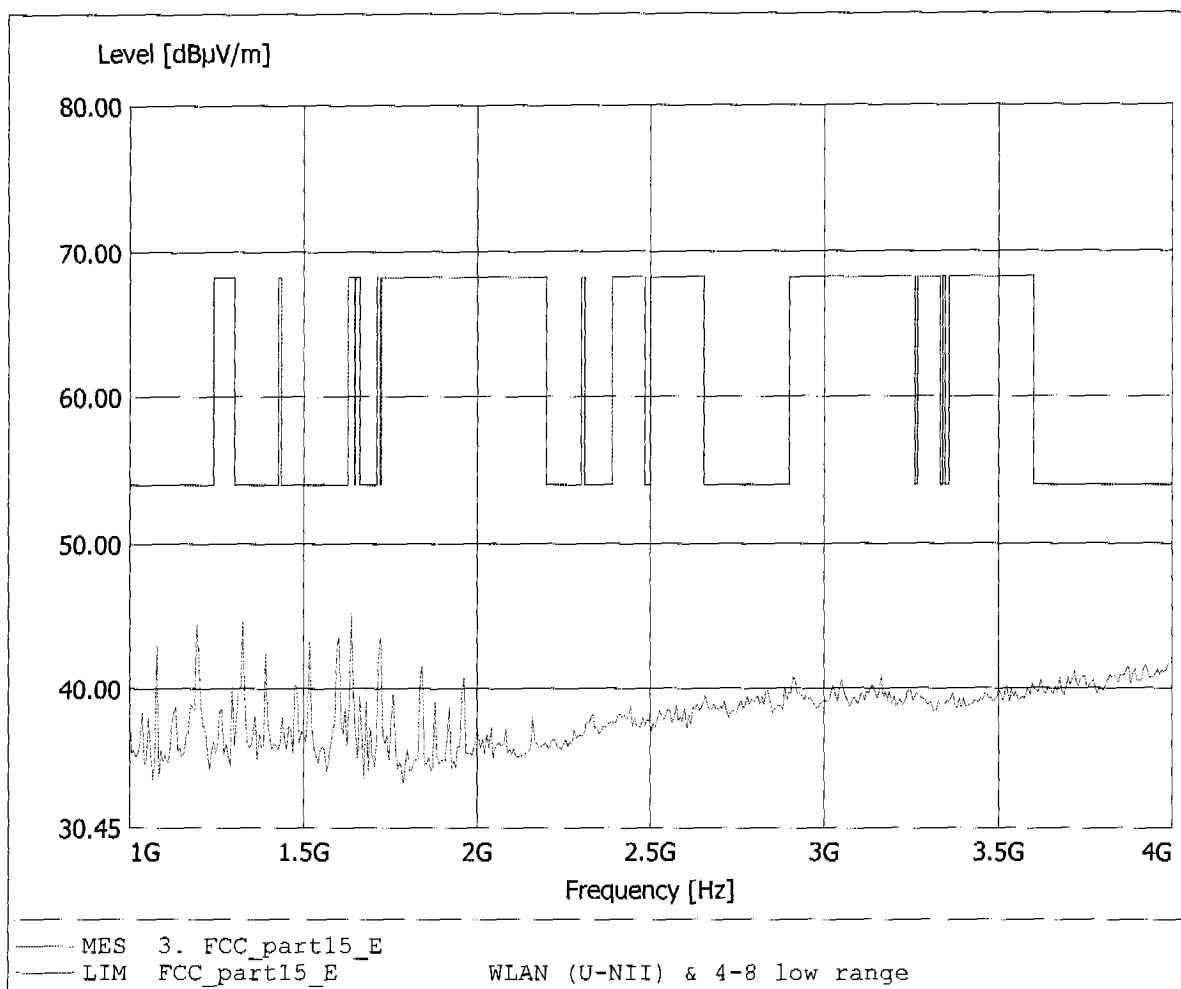
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
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 §15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 358.717MHz, Emax: 47.20dBuV/m, RBW: 100kHz



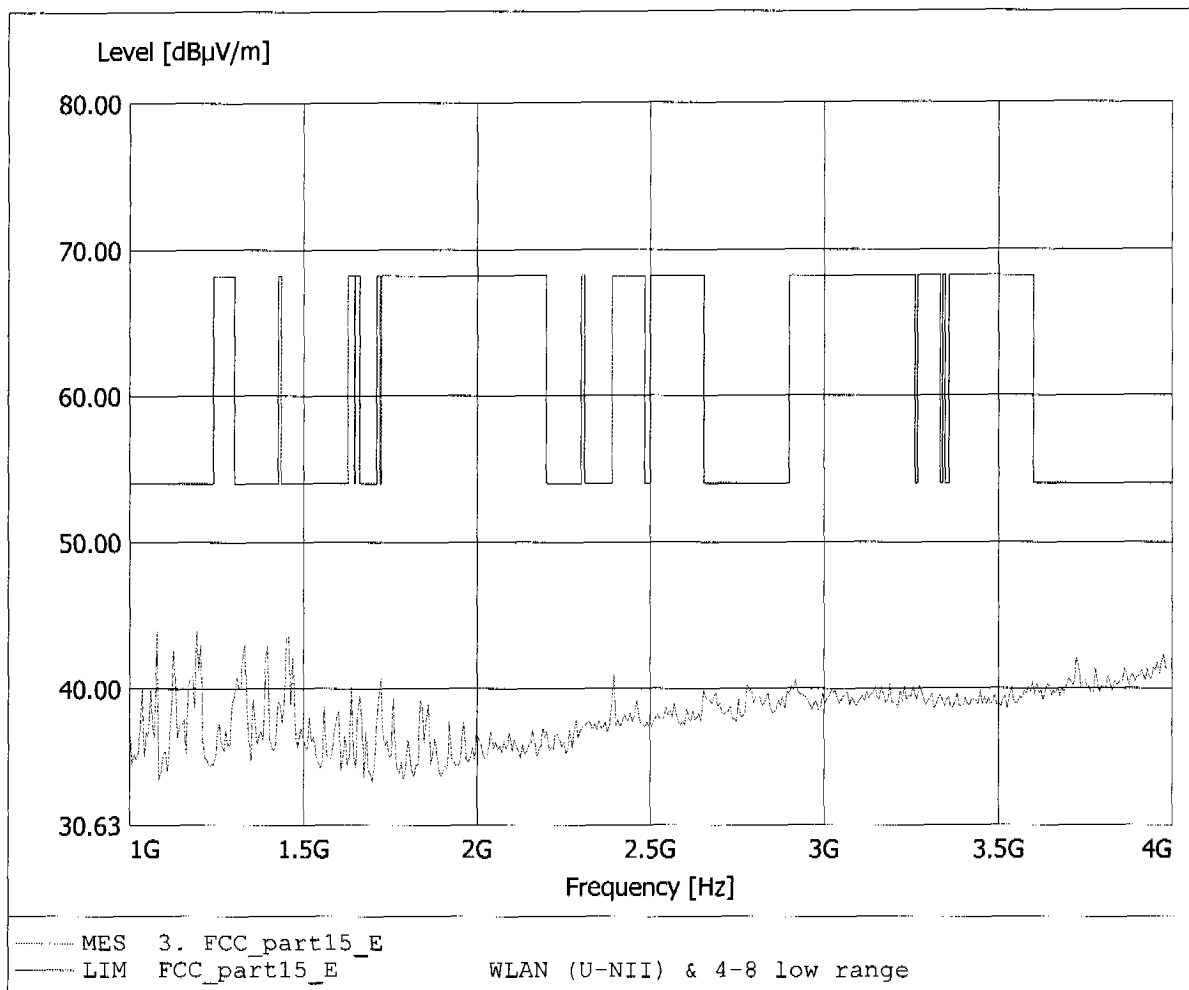
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
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 §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.637GHz, Emax: 45.20dBµV/m, RBW: 1MHz



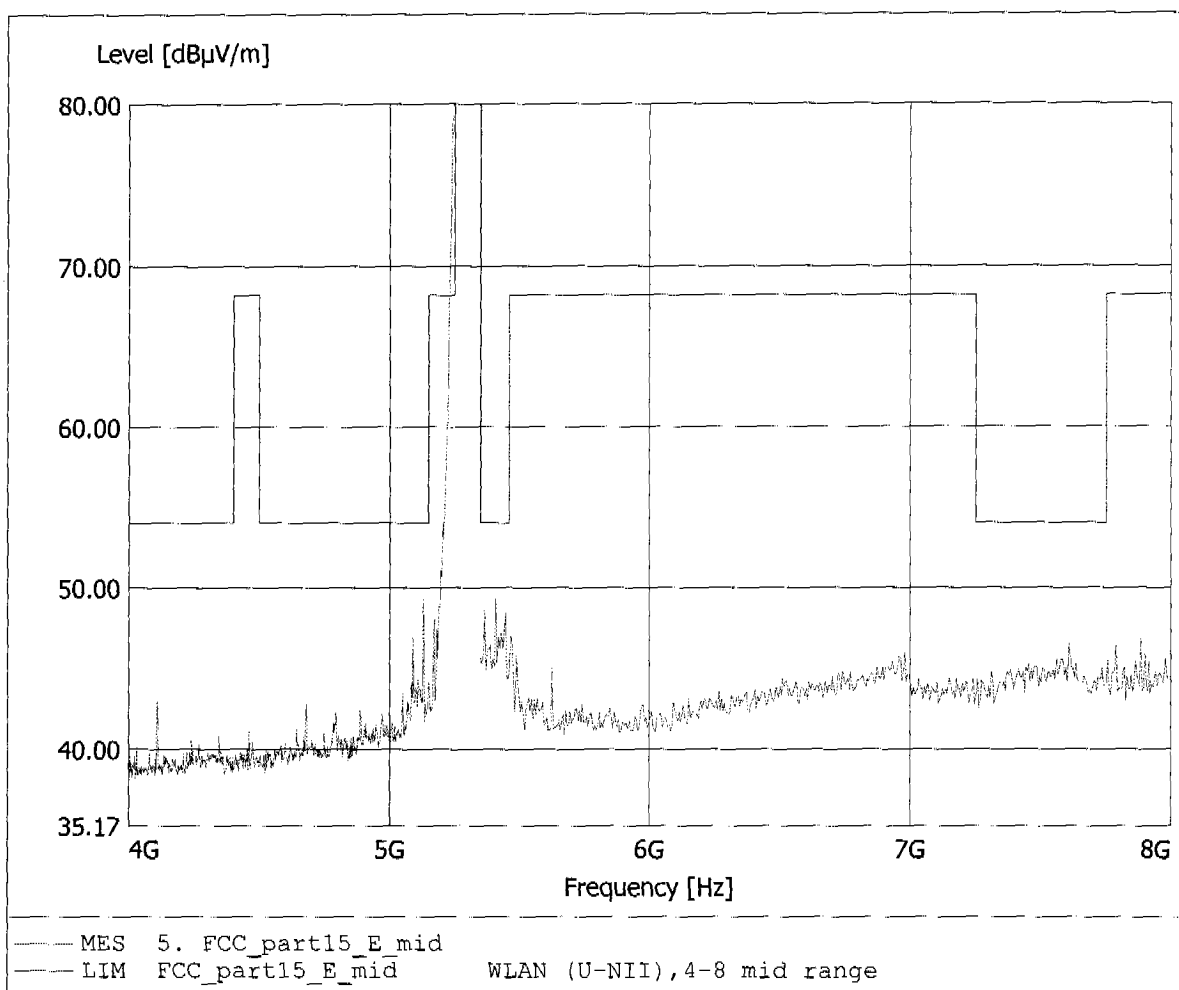
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
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 §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.192GHz, Emax: 44.05dBµV/m, RBW: 1MHz



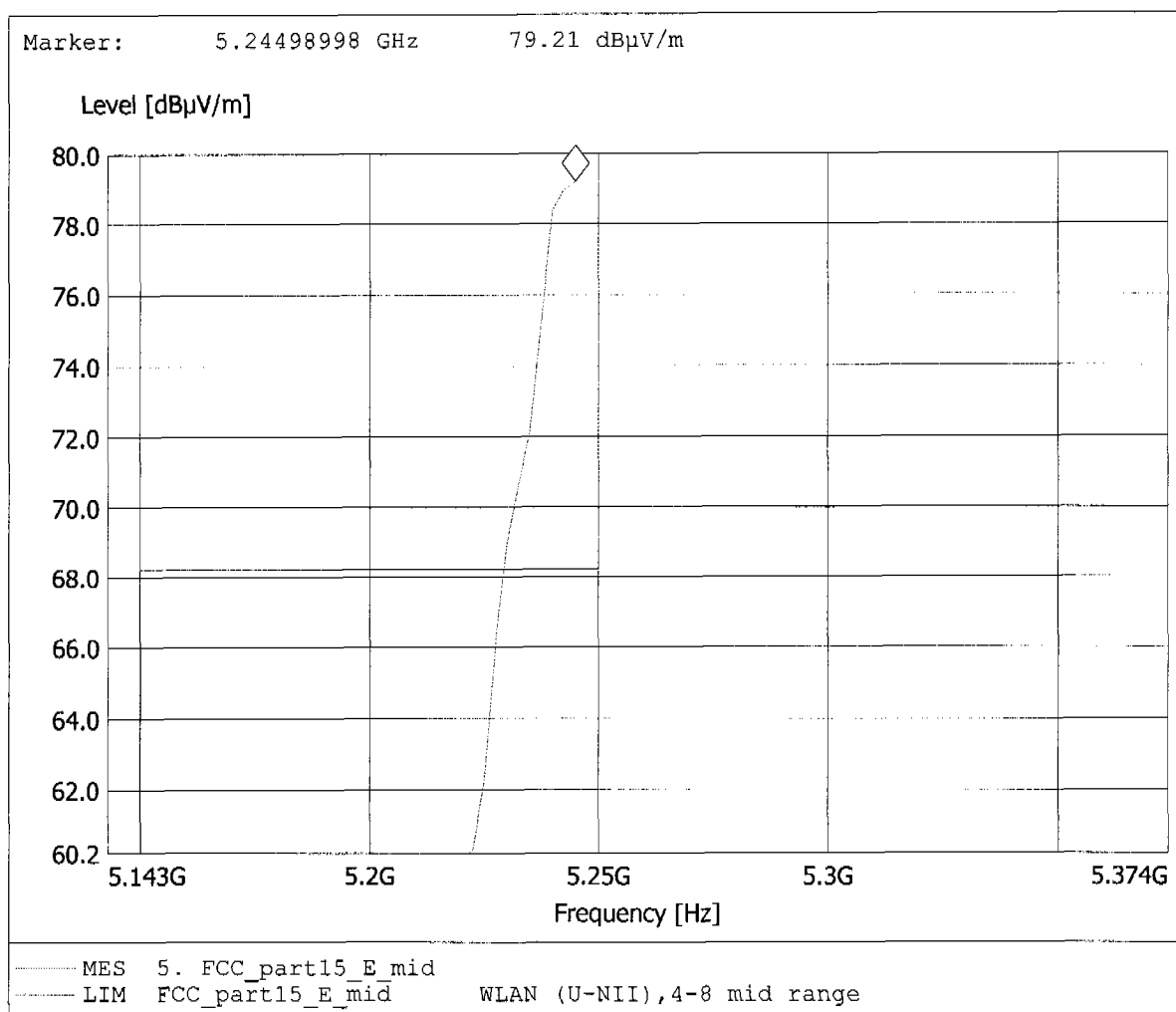
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
 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 §15.407, peak detector
 Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
 Comment 2: Freq: 5.245GHz, Emax: 79.21dBµV/m, RBW: 1MHz



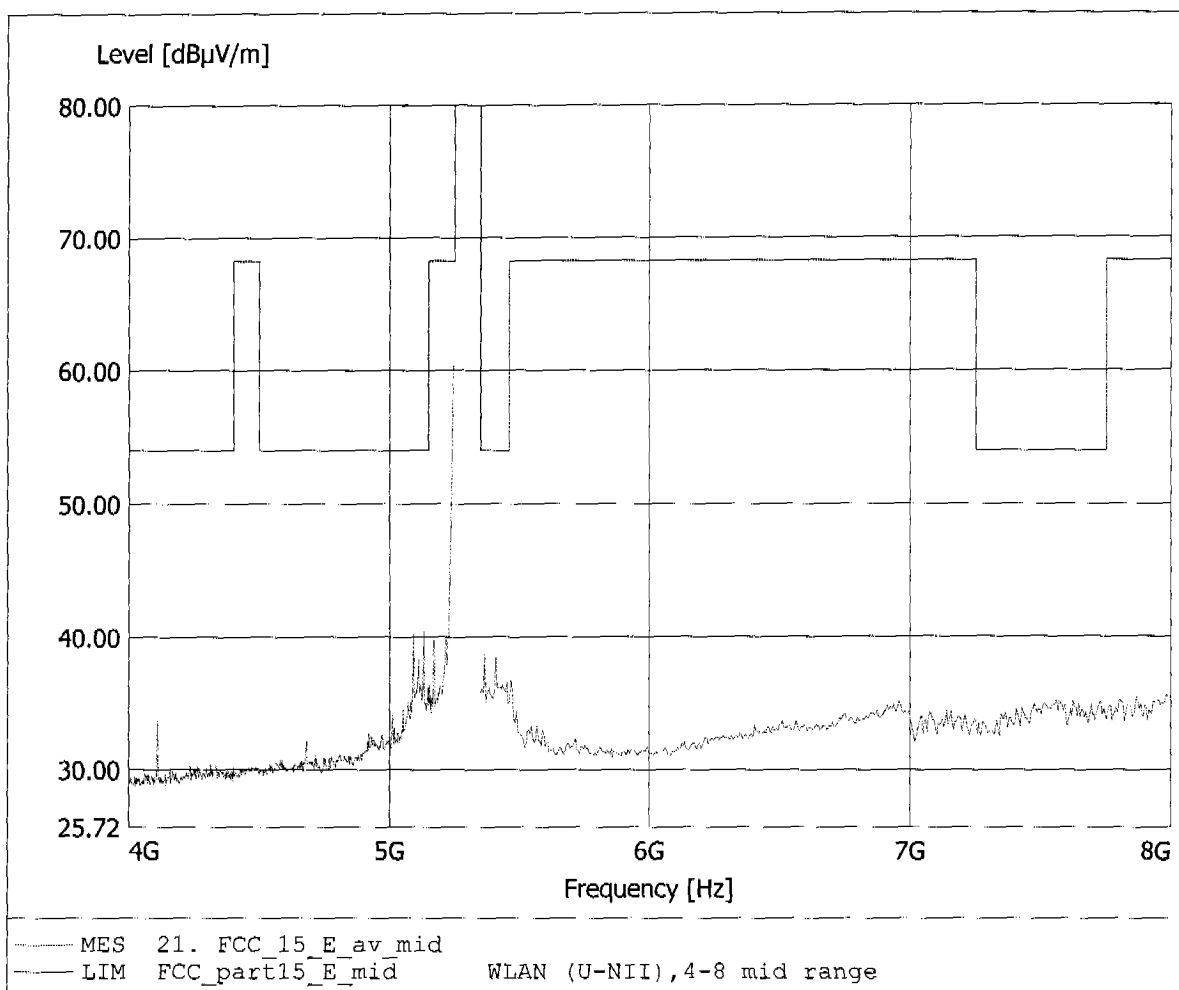
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
 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 §15.407, peak detector
 Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
 Comment 2: Freq: 5.245GHz, Emax: 79.21dBµV/m, RBW: 1MHz



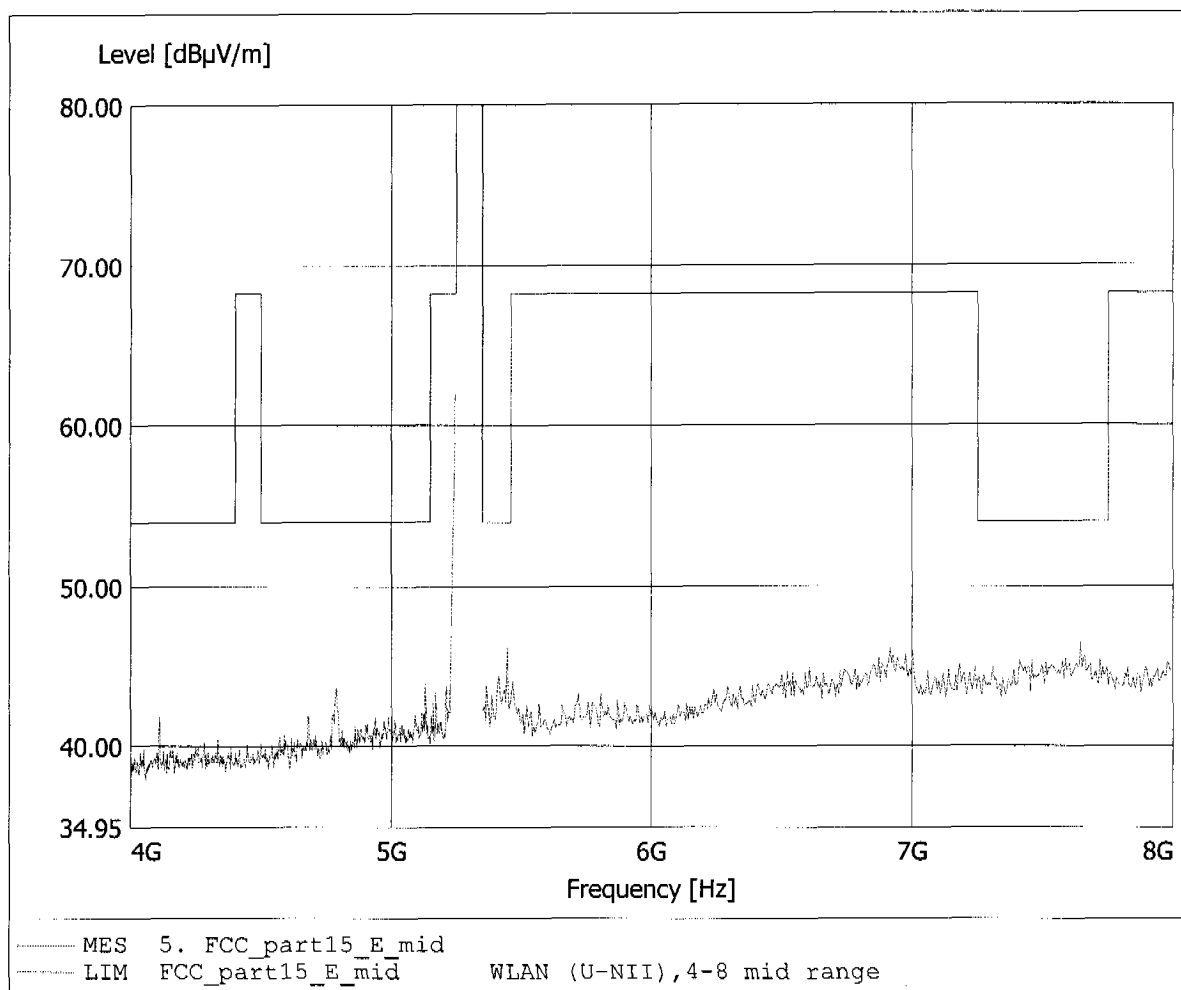
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
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 §15.407, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 5.245GHz, Emax: 60.38dBµV/m, RBW: 1MHz



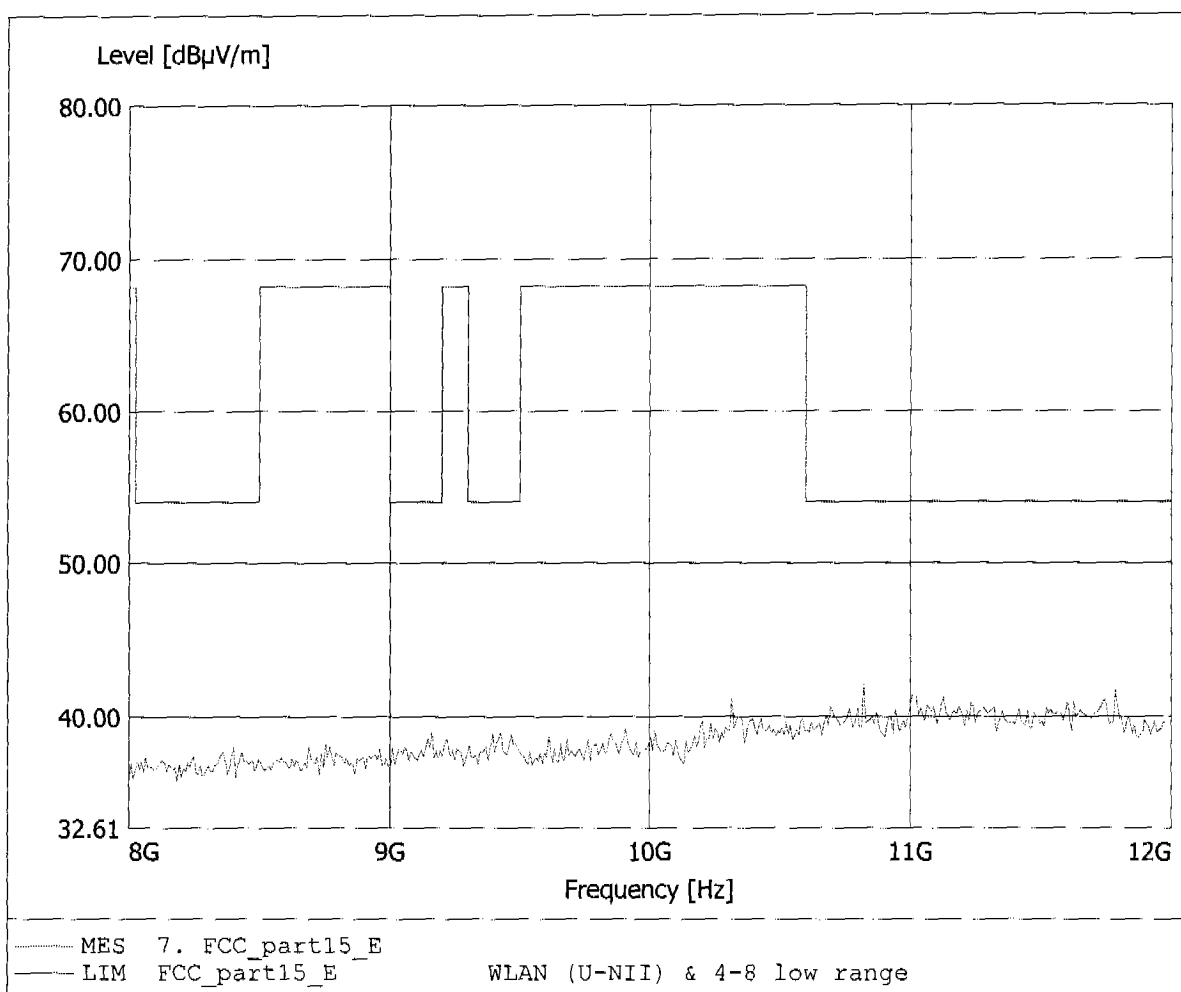
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
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 §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 5.245GHz, Emax: 61.91dBµV/m, RBW: 1MHz



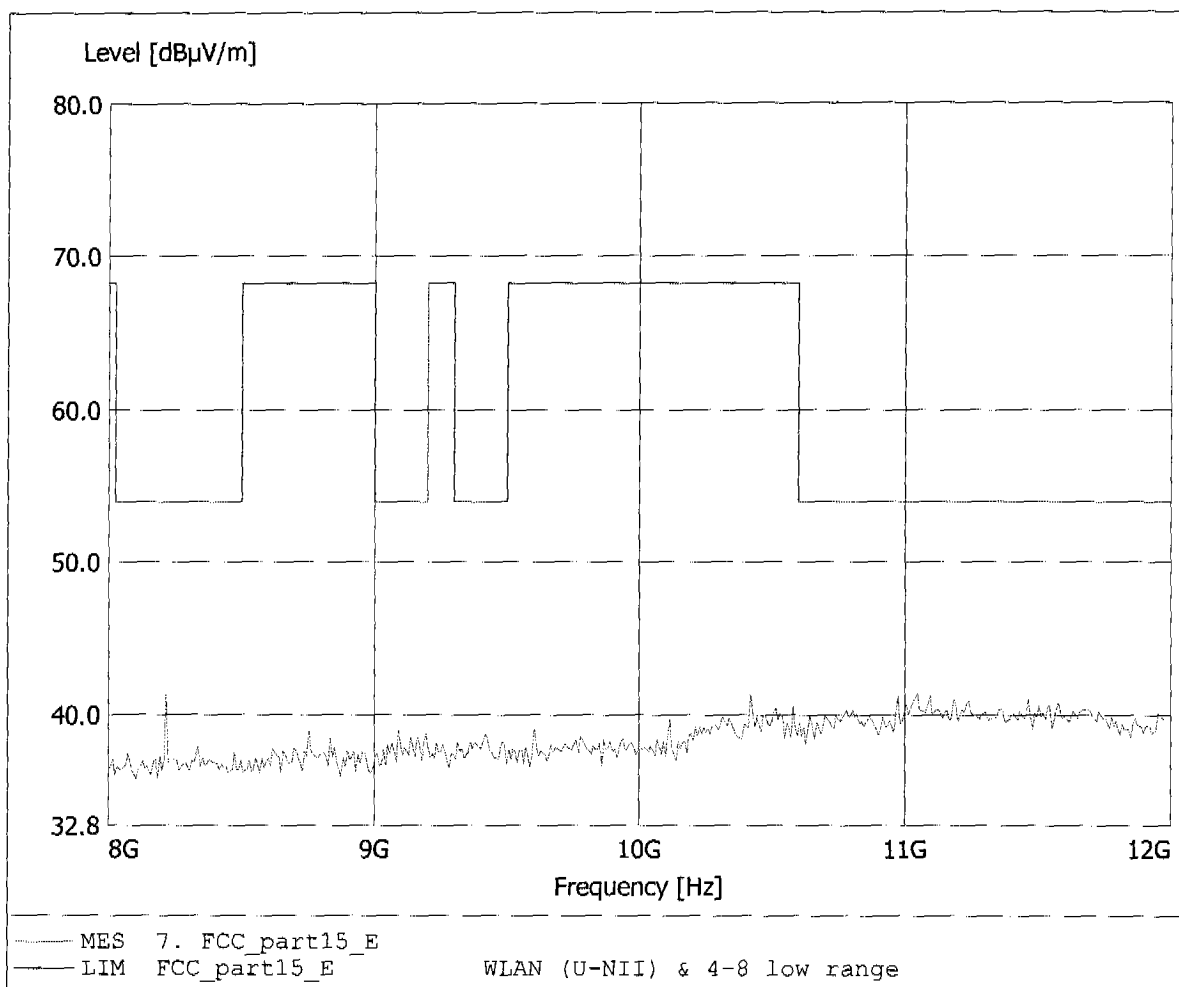
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
 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 §15.407, peak detector
 Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
 Comment 2: Freq: 10.822GHz, Emax: 42.14dBµV/m, RBW: 1MHz



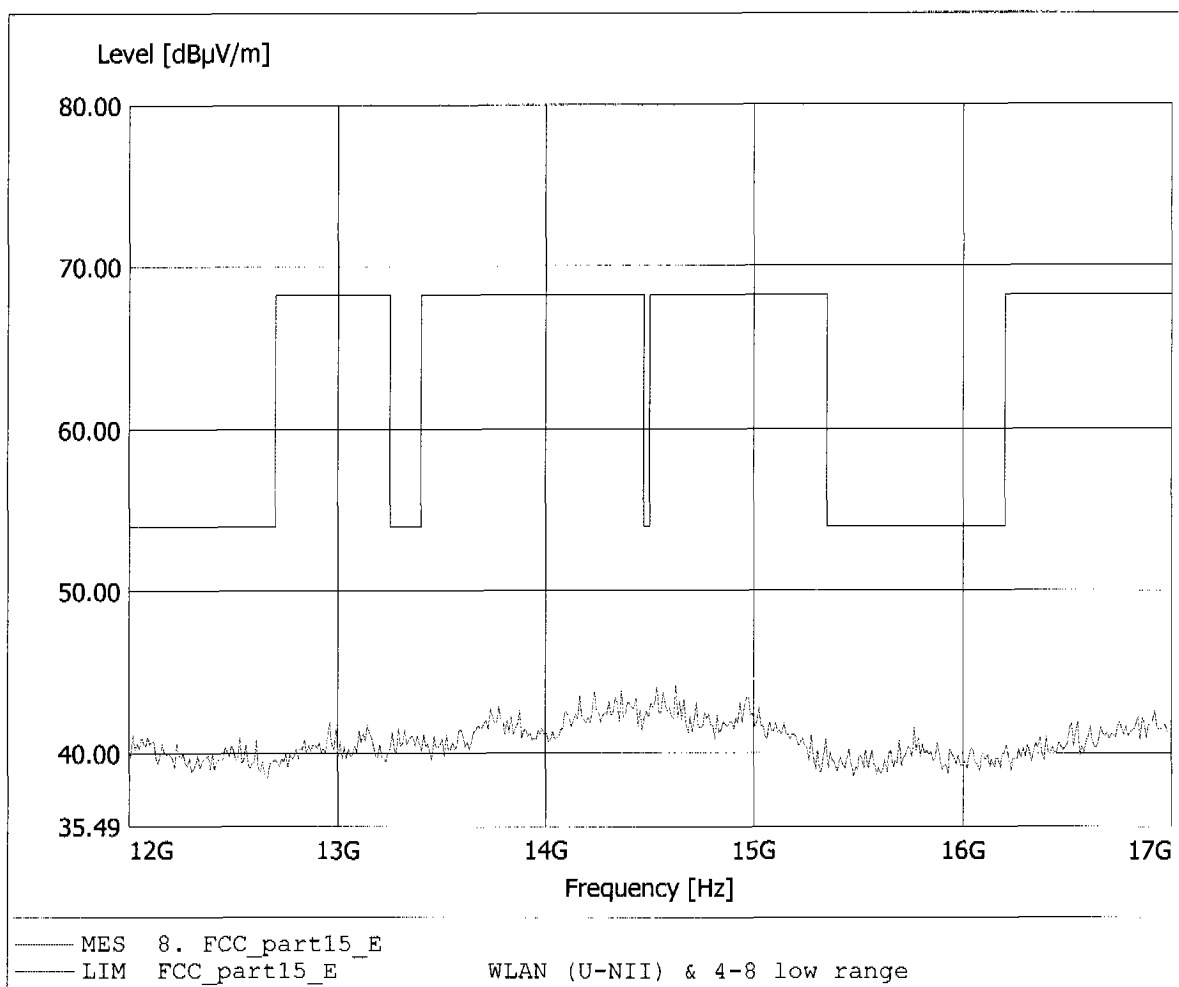
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
 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 §15.407, peak detector
 Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
 Comment 2: Freq: 11.046GHz, Emax: 41.38dBµV/m, RBW: 1MHz



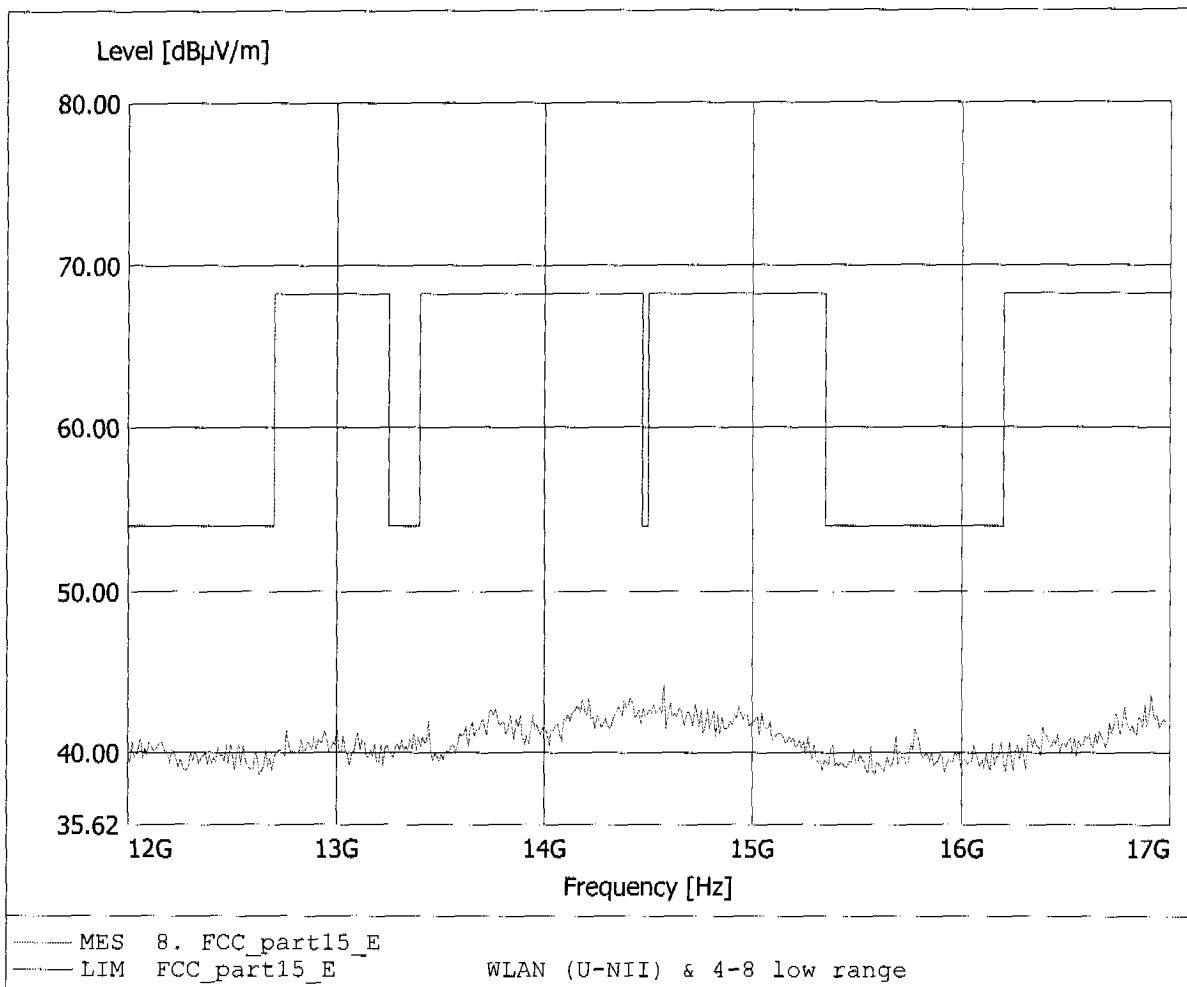
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
 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 §15.407, peak detector
 Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
 Comment 2: Freq: 14.625GHz, Emax: 44.15dBµV/m, RBW: 1MHz



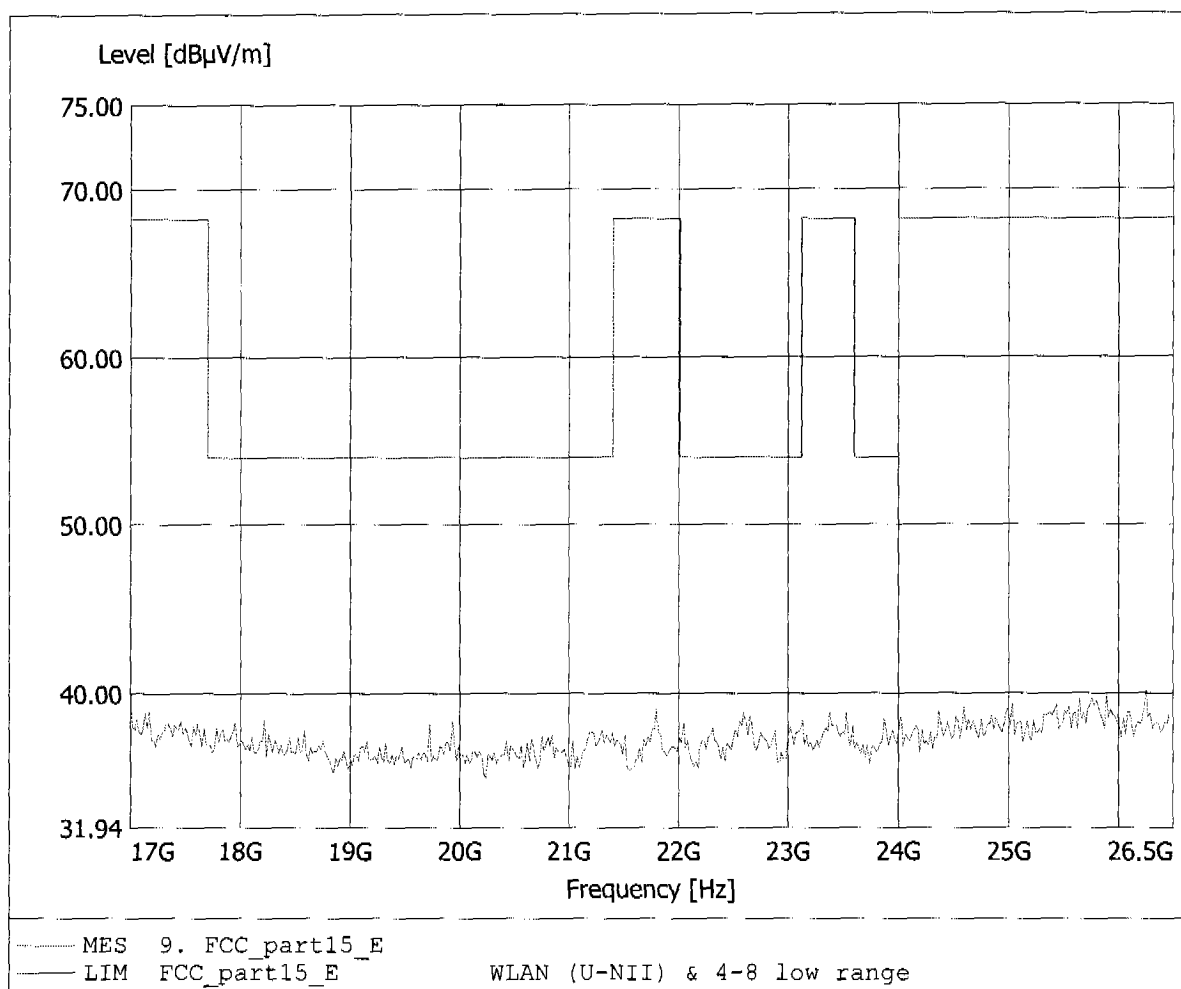
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
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 §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 14.575GHz, Emax: 44.16dBµV/m, RBW: 1MHz



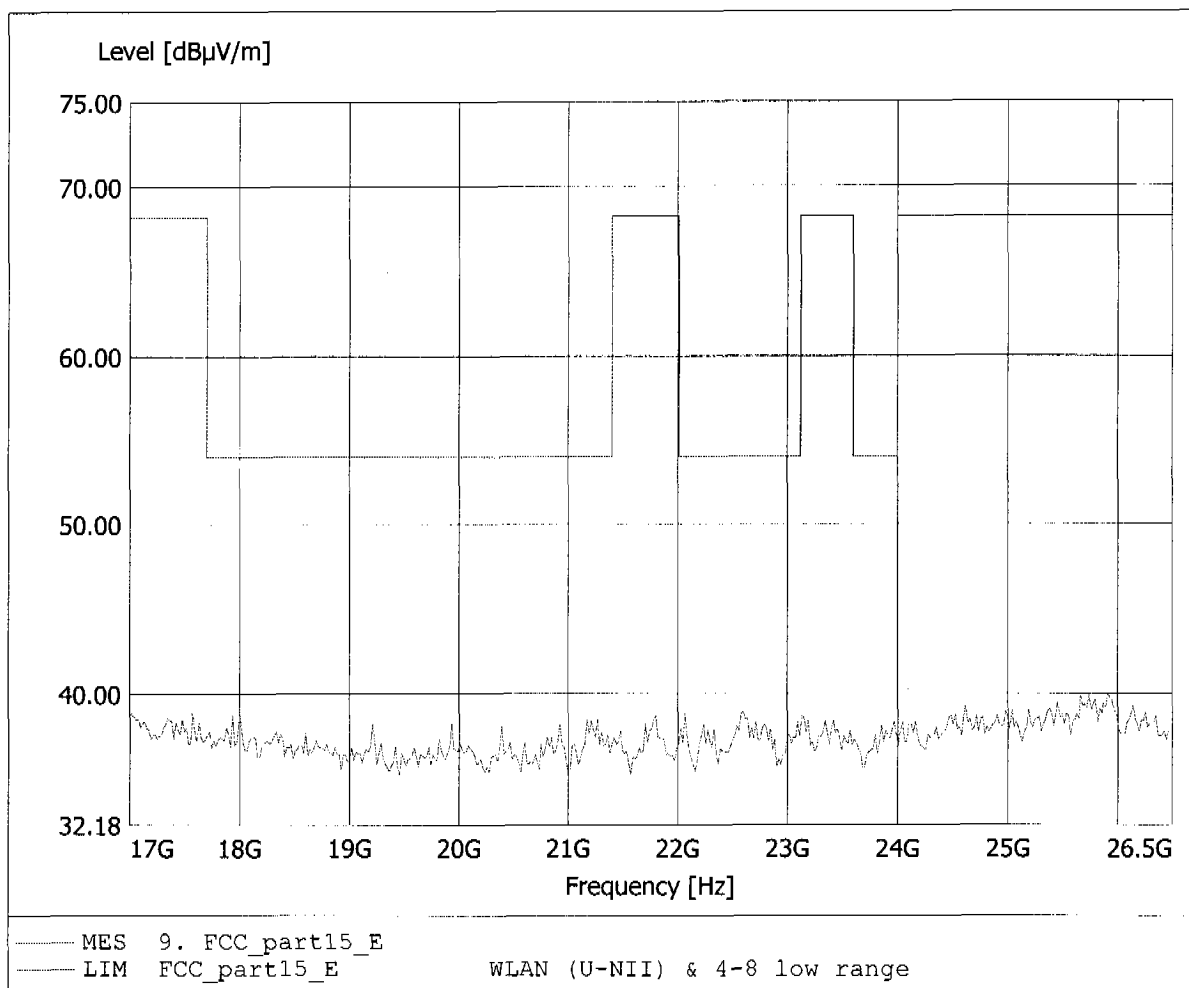
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
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 §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: HL025, amplif.
Comment 2: Freq: 26.253GHz, Emax: 40.18dBµV/m, RBW: 1MHz



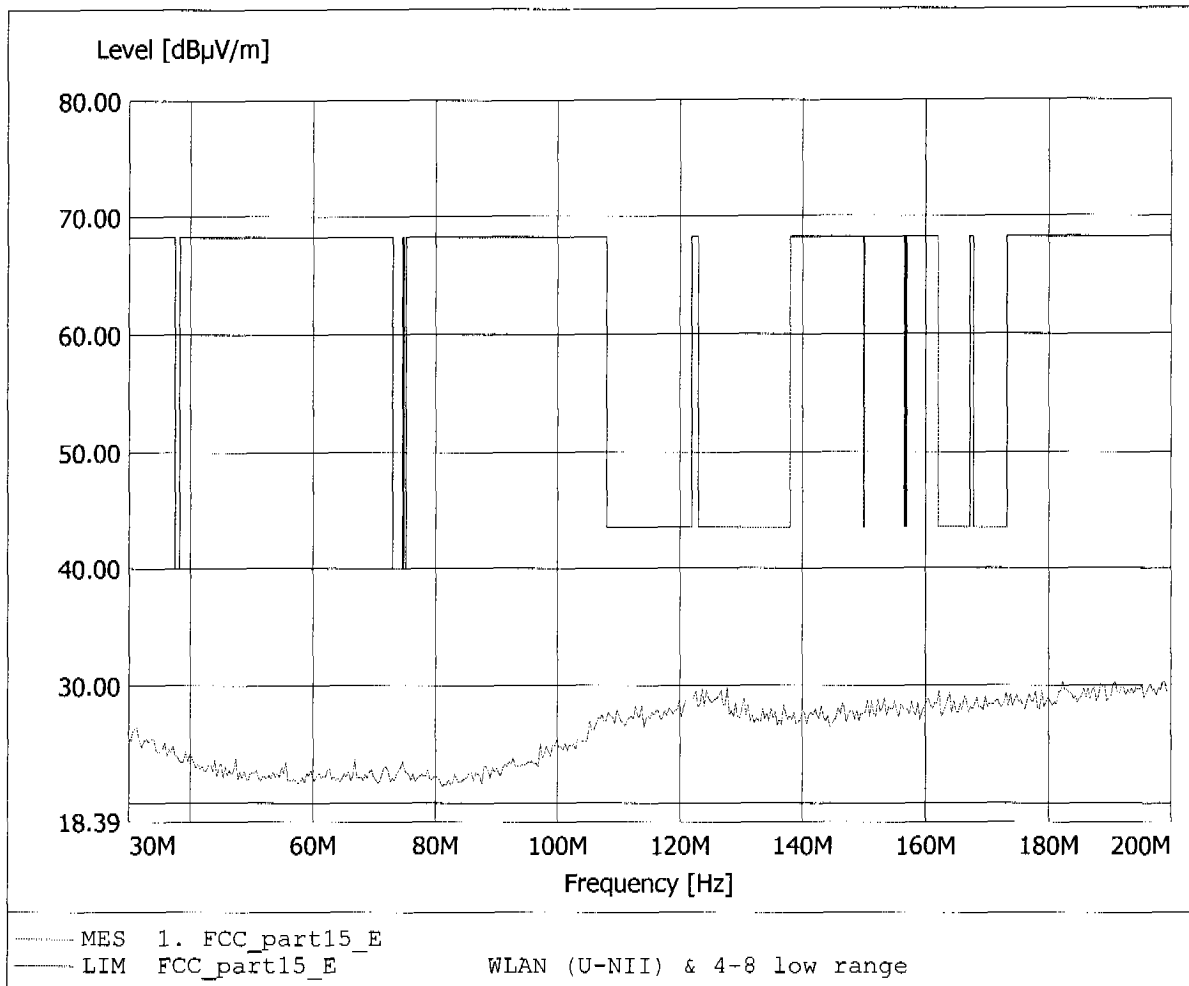
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:52
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 §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: HL025, amplif.
Comment 2: Freq: 25.738GHz, Emax: 40.02dBµV/m, RBW: 1MHz



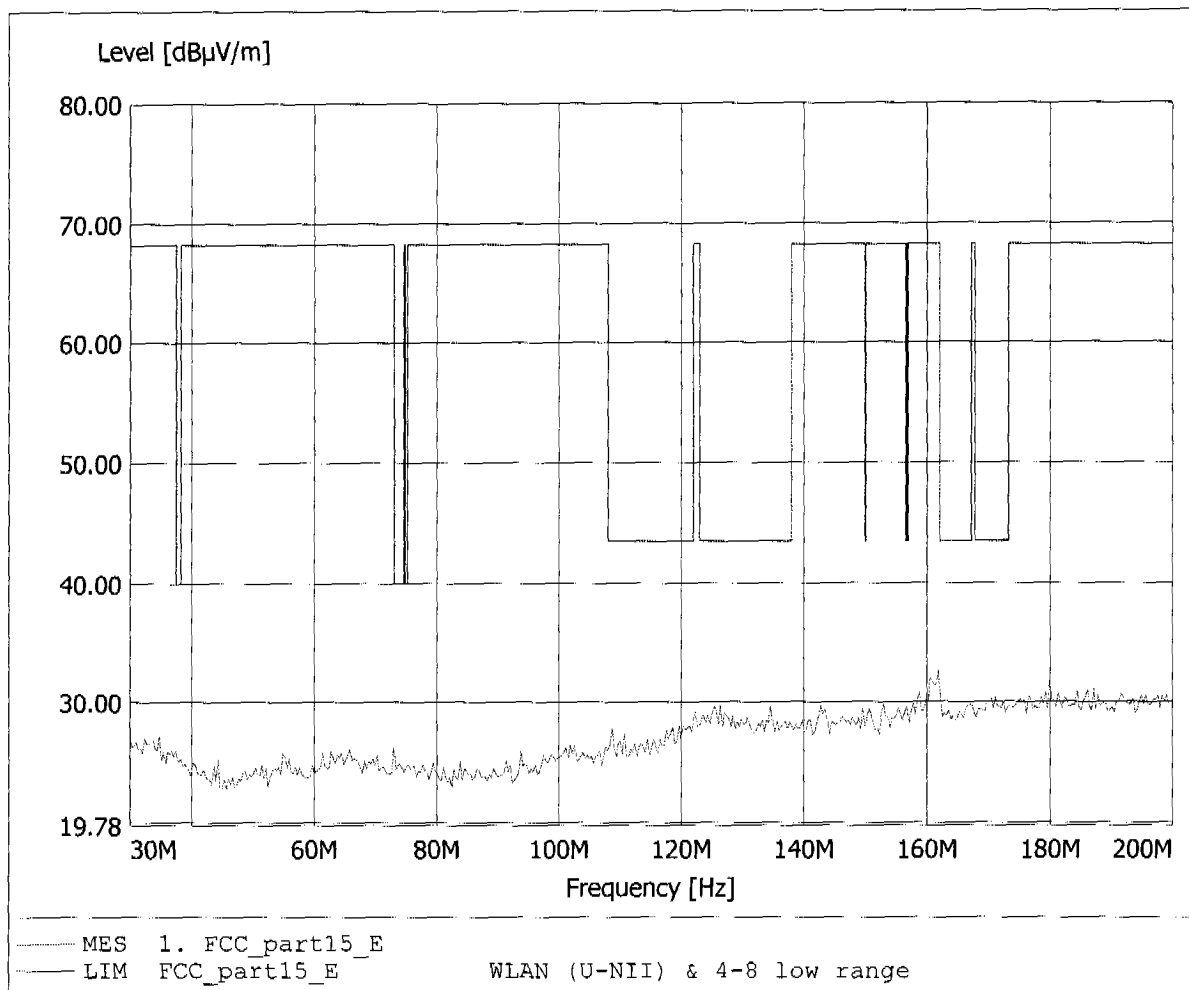
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
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 §15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 190.802MHz, Emax: 30.31dBµV/m, RBW: 100kHz



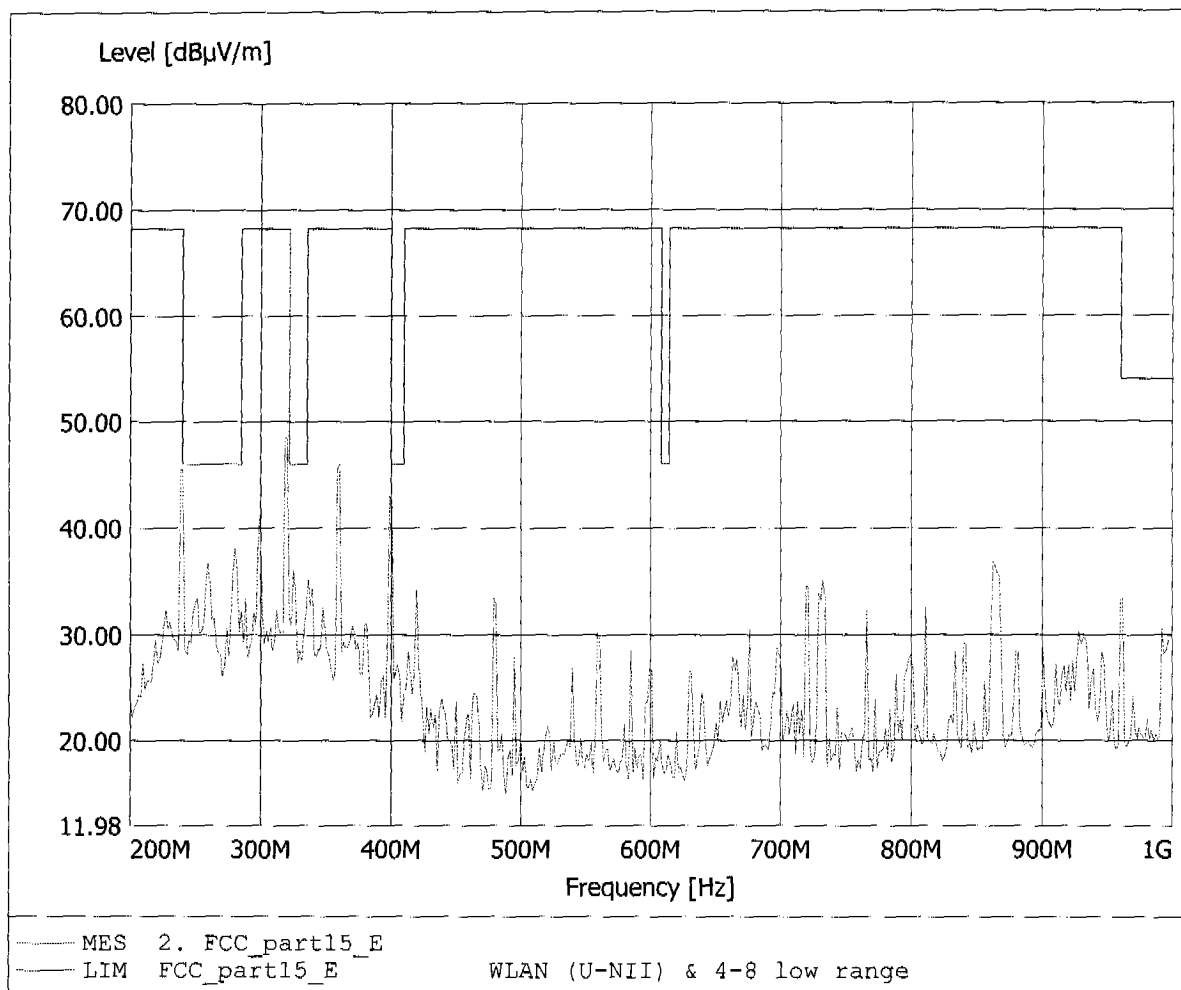
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
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 §15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 161.844MHz, Emax: 32.67dBµV/m, RBW: 100kHz



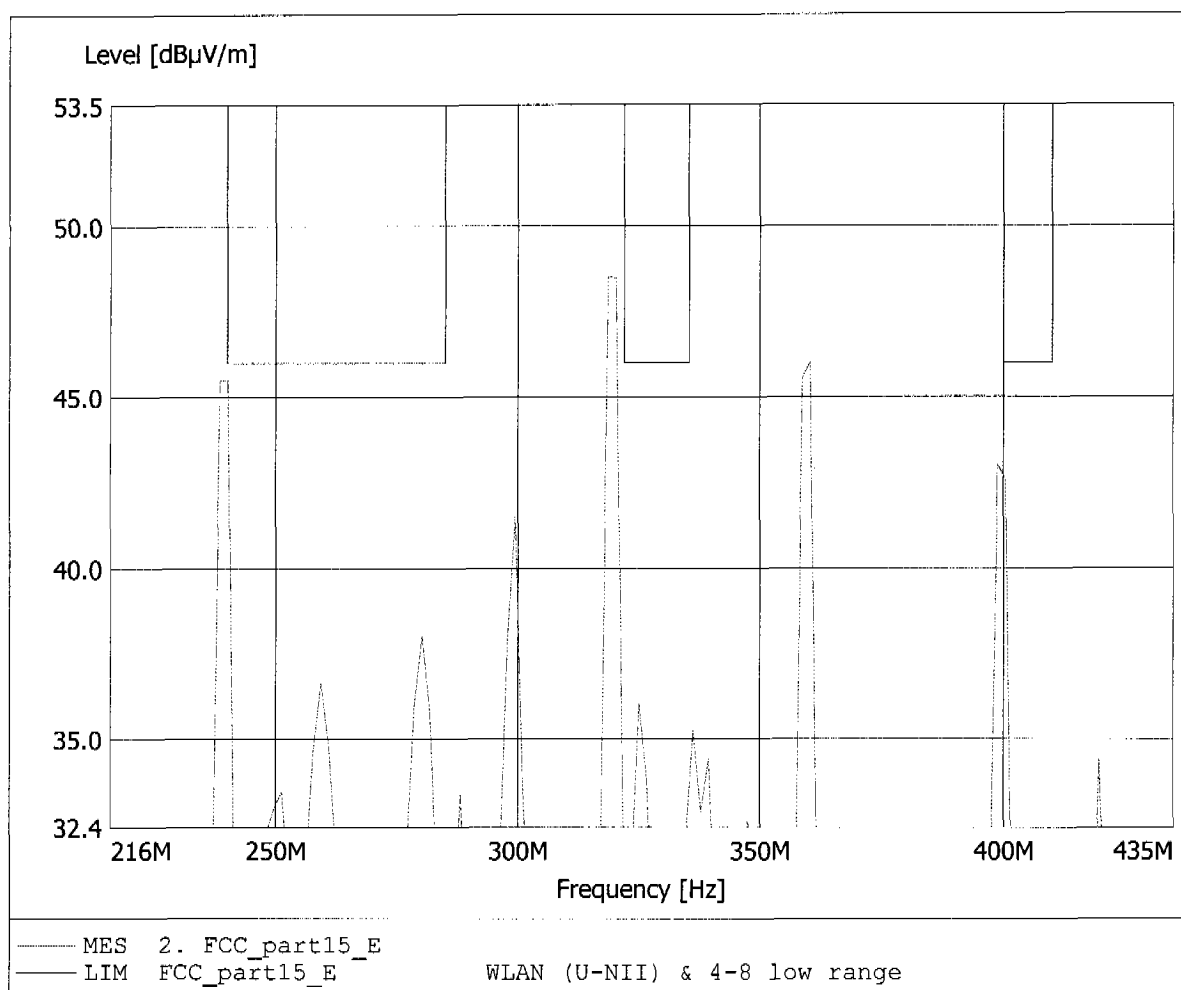
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
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 S15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 318.637MHz, Emax: 48.54dBuV/m, RBW: 100kHz



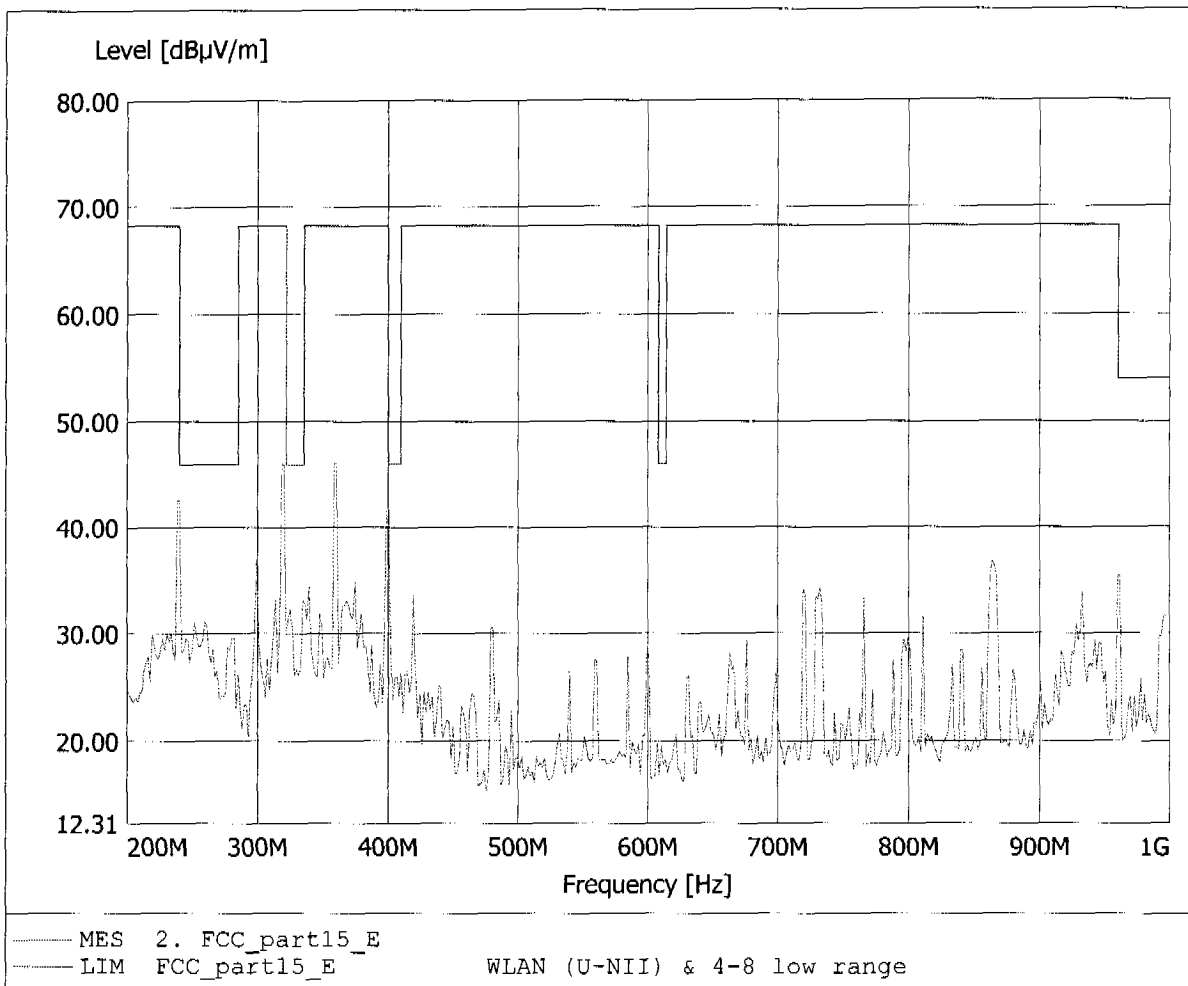
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

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 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 §15.407
 Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
 Comment 2: Freq: 318.637MHz, Emax: 48.54dBµV/m, RBW: 100kHz



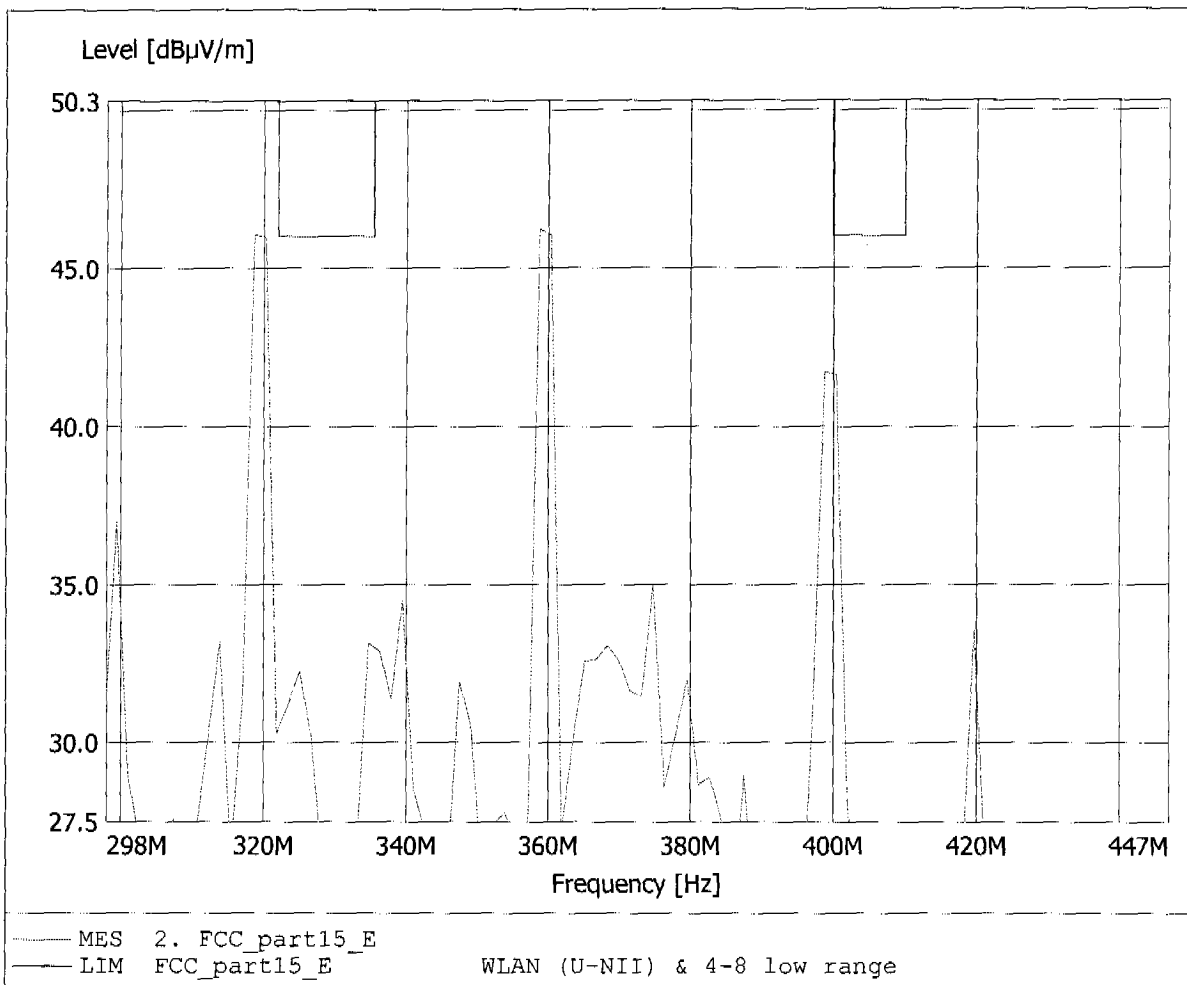
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
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 §15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 358.717MHz, Emax: 46.21dBµV/m, RBW: 100kHz



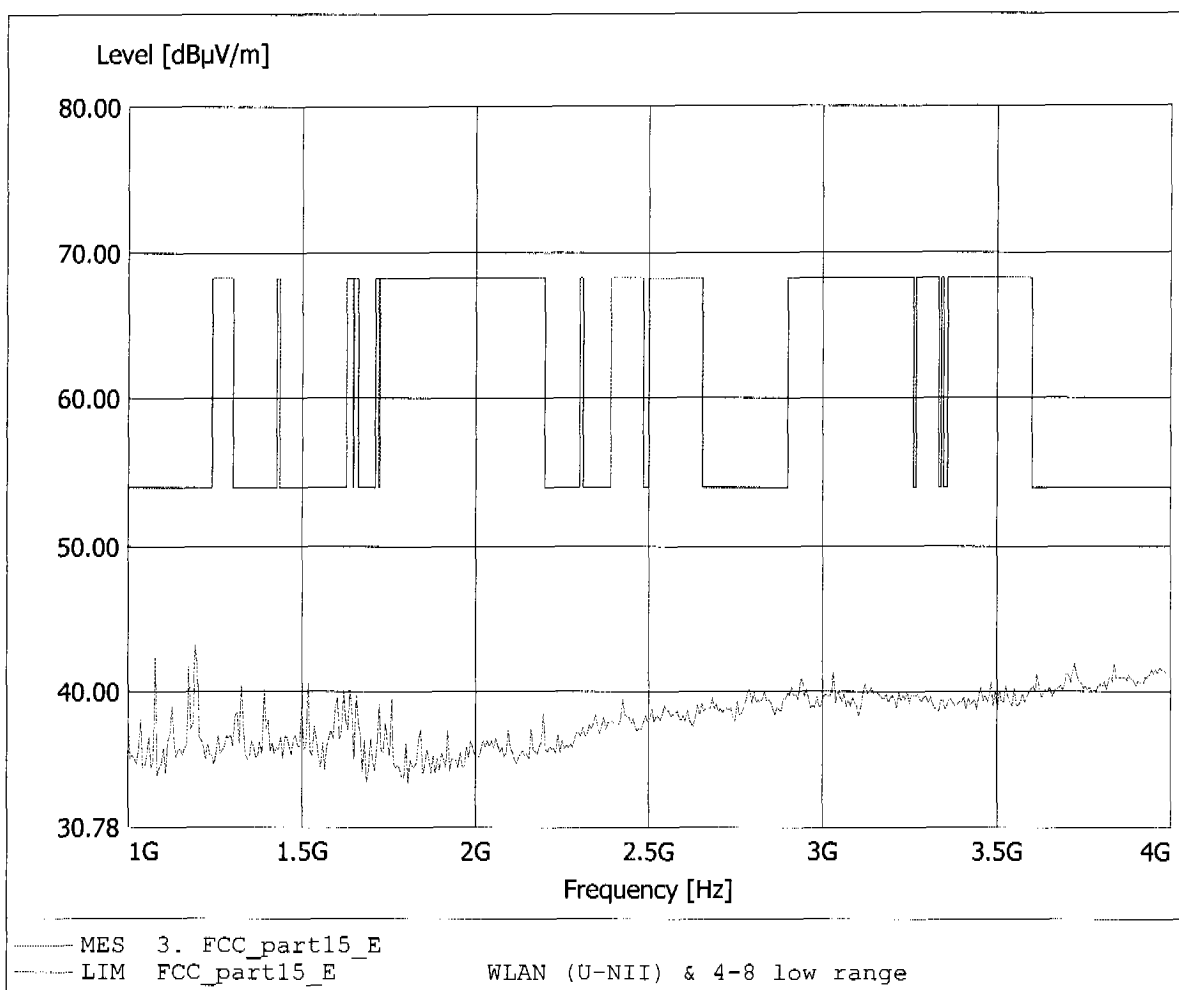
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
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 §15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 358.717MHz, Emax: 46.21dBµV/m, RBW: 100kHz



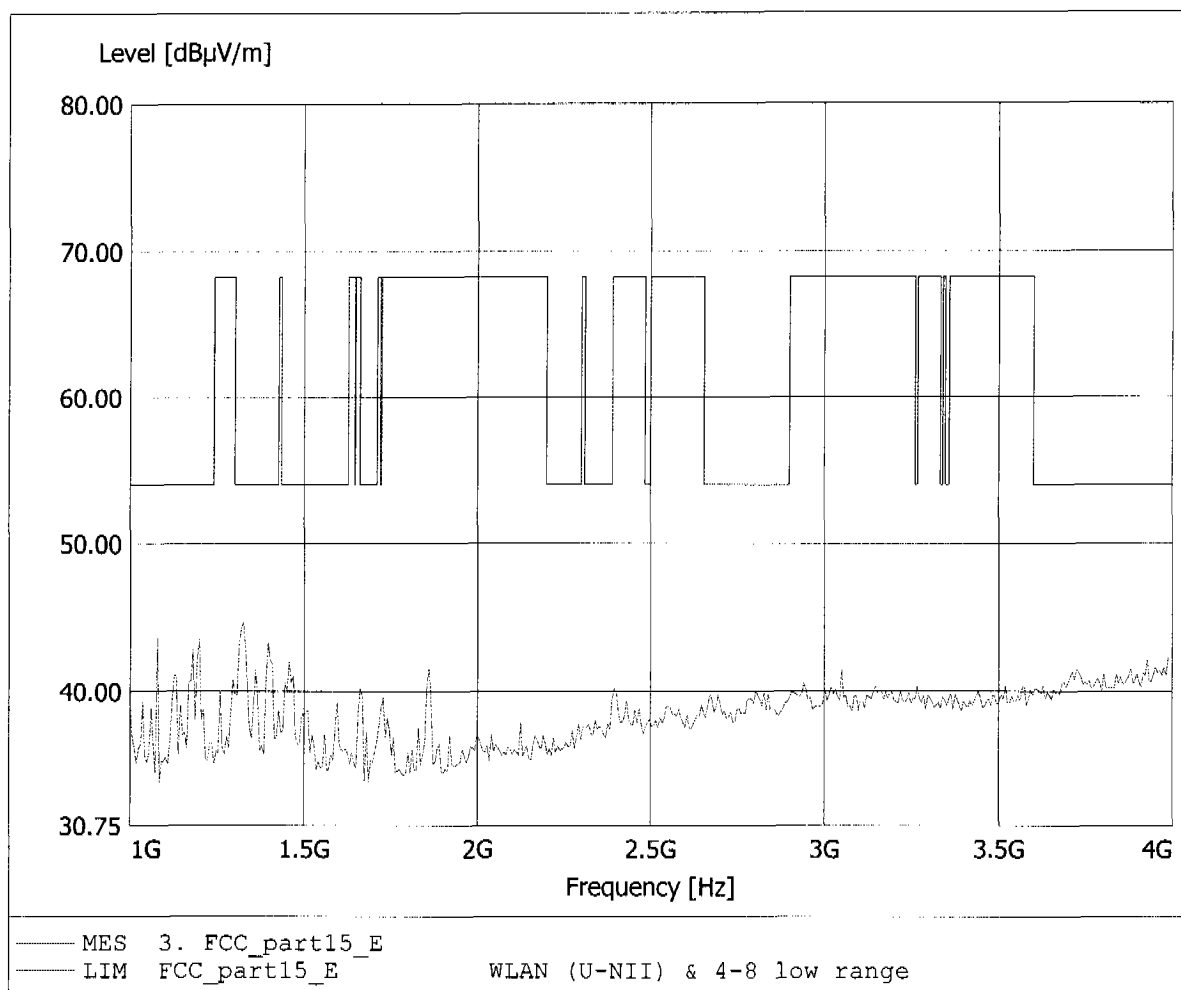
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
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 §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.192GHz, Emax: 43.20dBµV/m, RBW: 1MHz



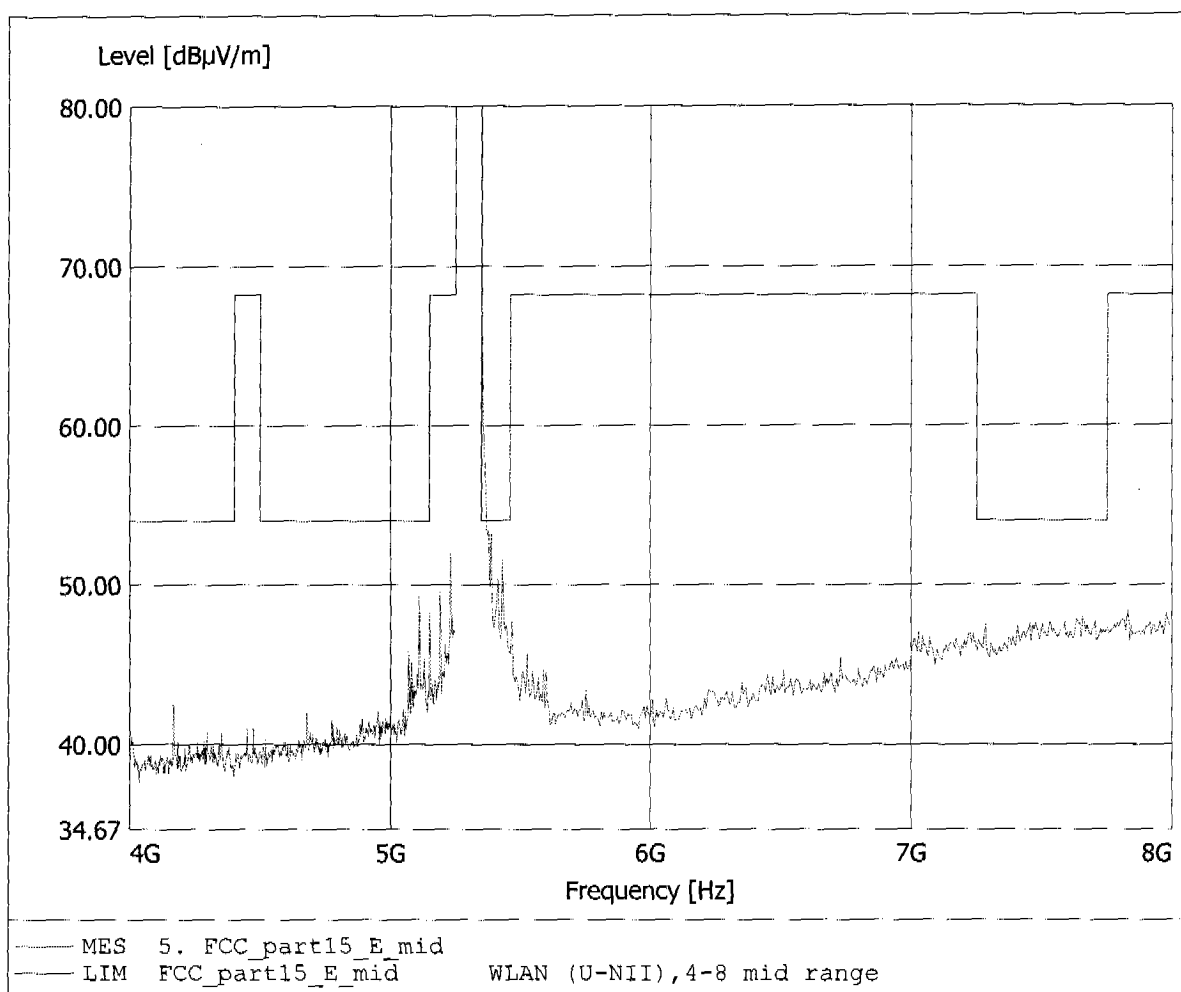
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
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 §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 1.325GHz, Emax: 44.70dBµV/m, RBW: 1MHz



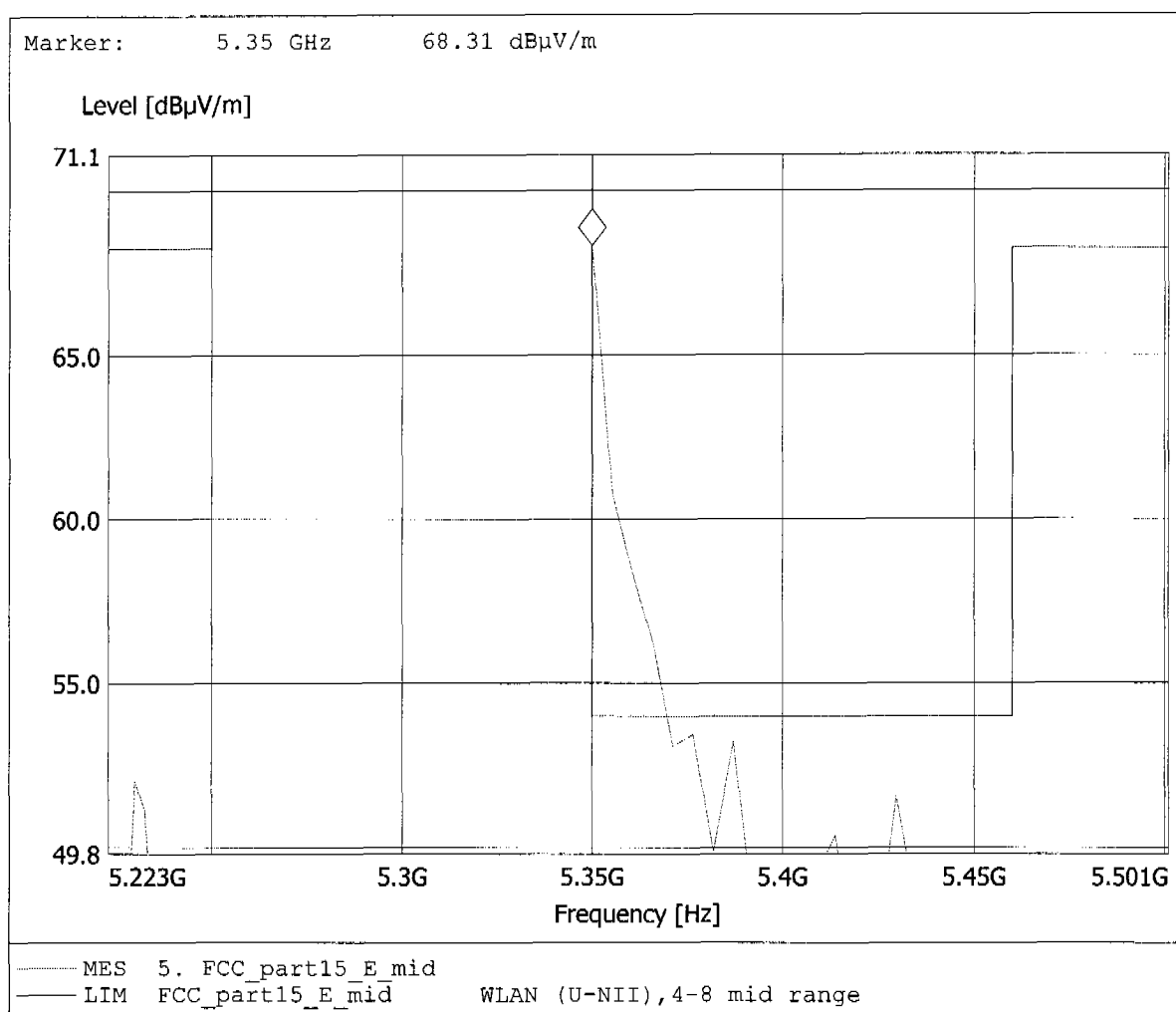
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
 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 §15.407, peak detector
 Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
 Comment 2: Freq: 5.350GHz, Emax: 68.31dBµV/m, RBW: 1MHz



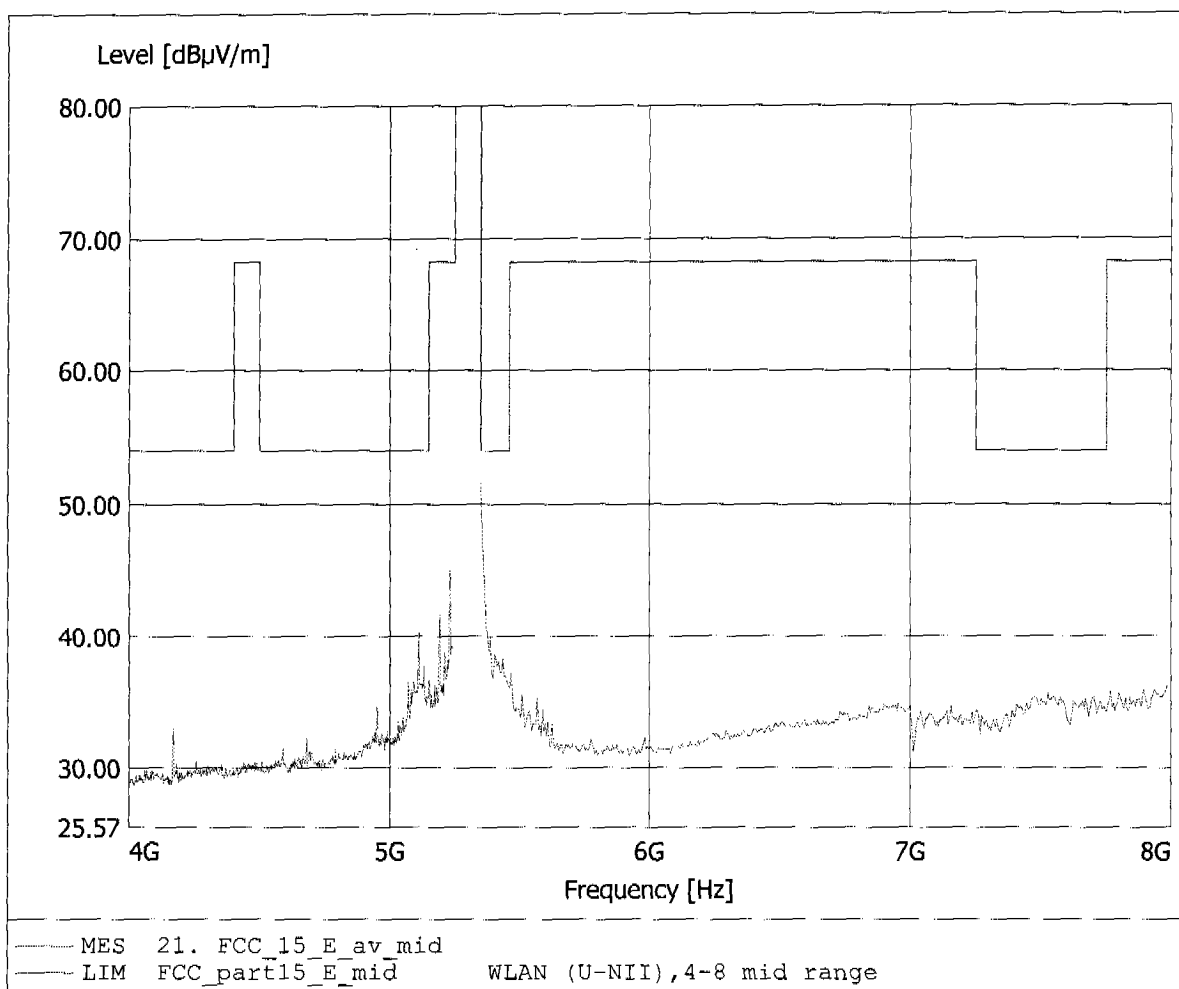
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
 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 §15.407, peak detector
 Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
 Comment 2: Freq: 5.350GHz, Emax: 68.31dBµV/m, RBW: 1MHz



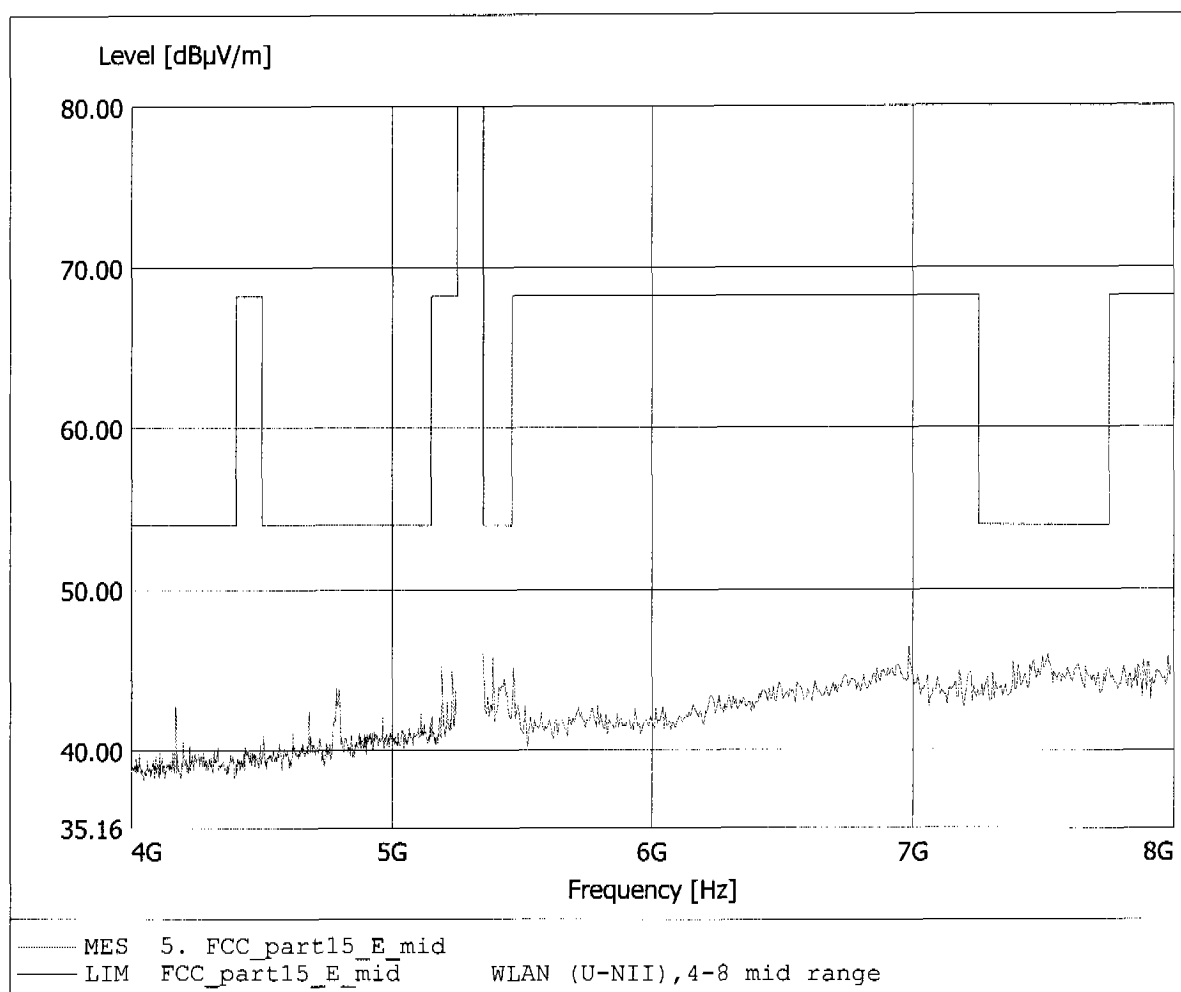
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
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 §15.407, average detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 5.350GHz, Emax: 51.58dBµV/m, RBW: 1MHz



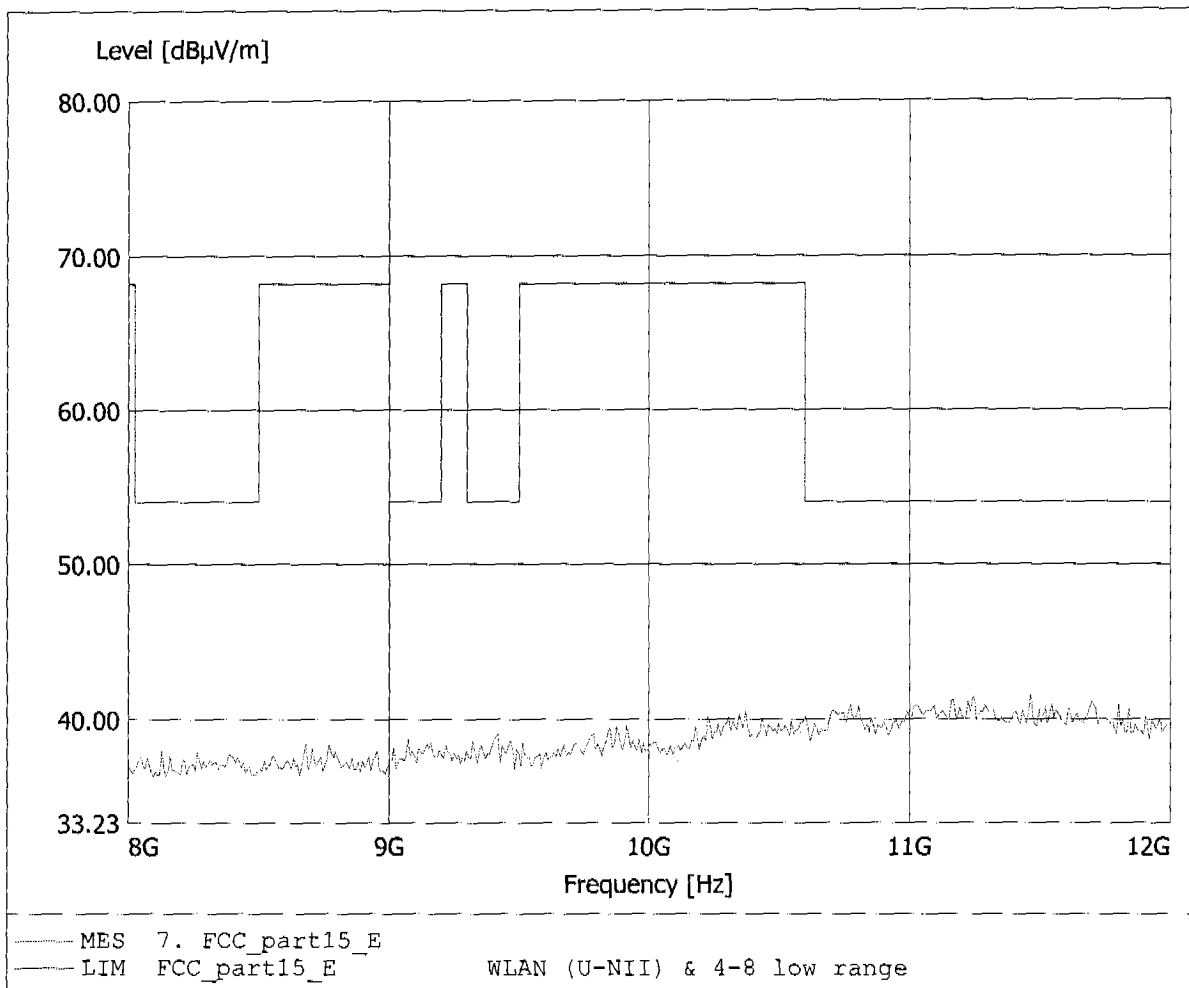
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
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 §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.986GHz, Emax: 46.46dBµV/m, RBW: 1MHz



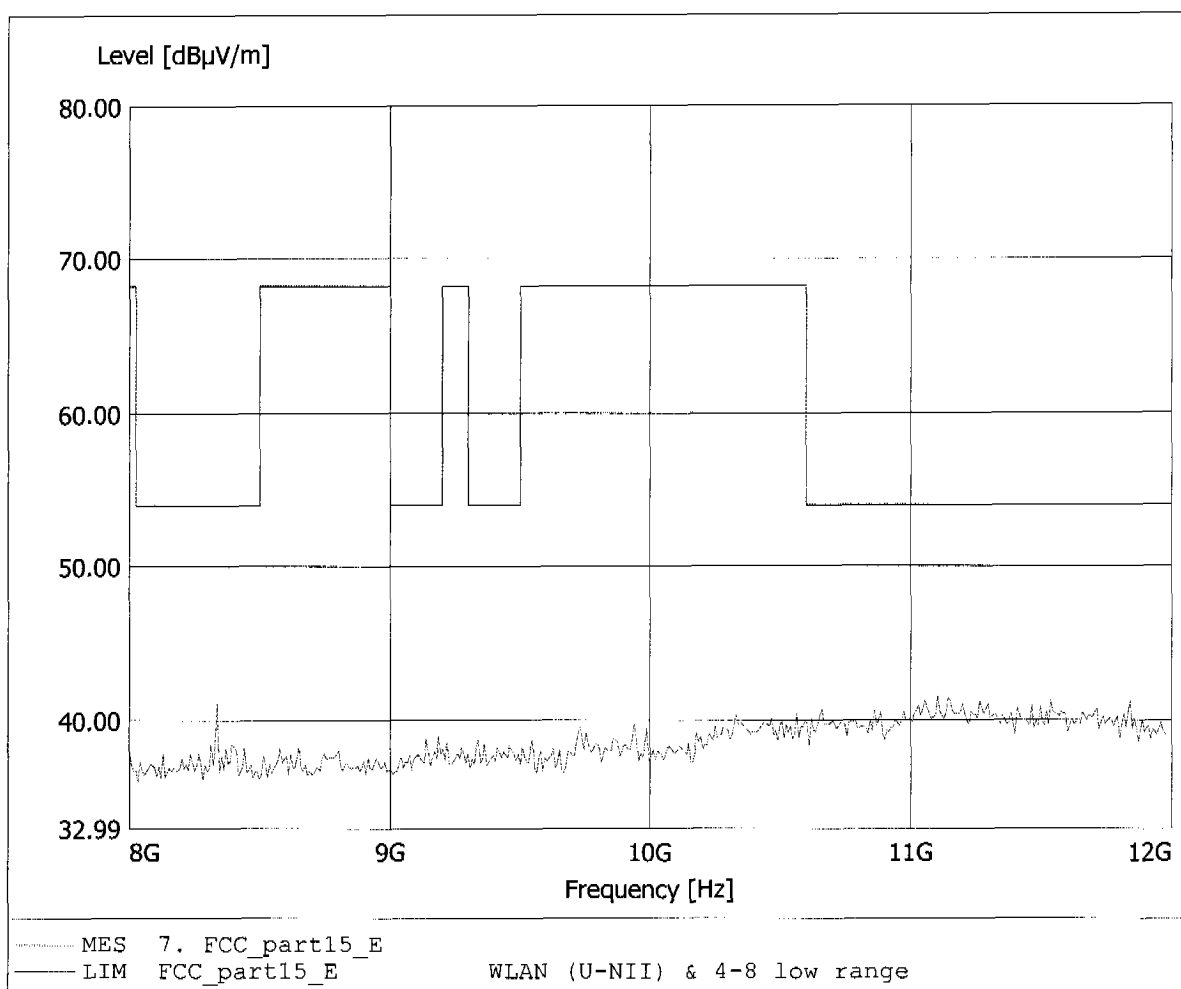
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
 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 §15.407, peak detector
 Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
 Comment 2: Freq: 11.463GHz, Emax: 41.64dBµV/m, RBW: 1MHz



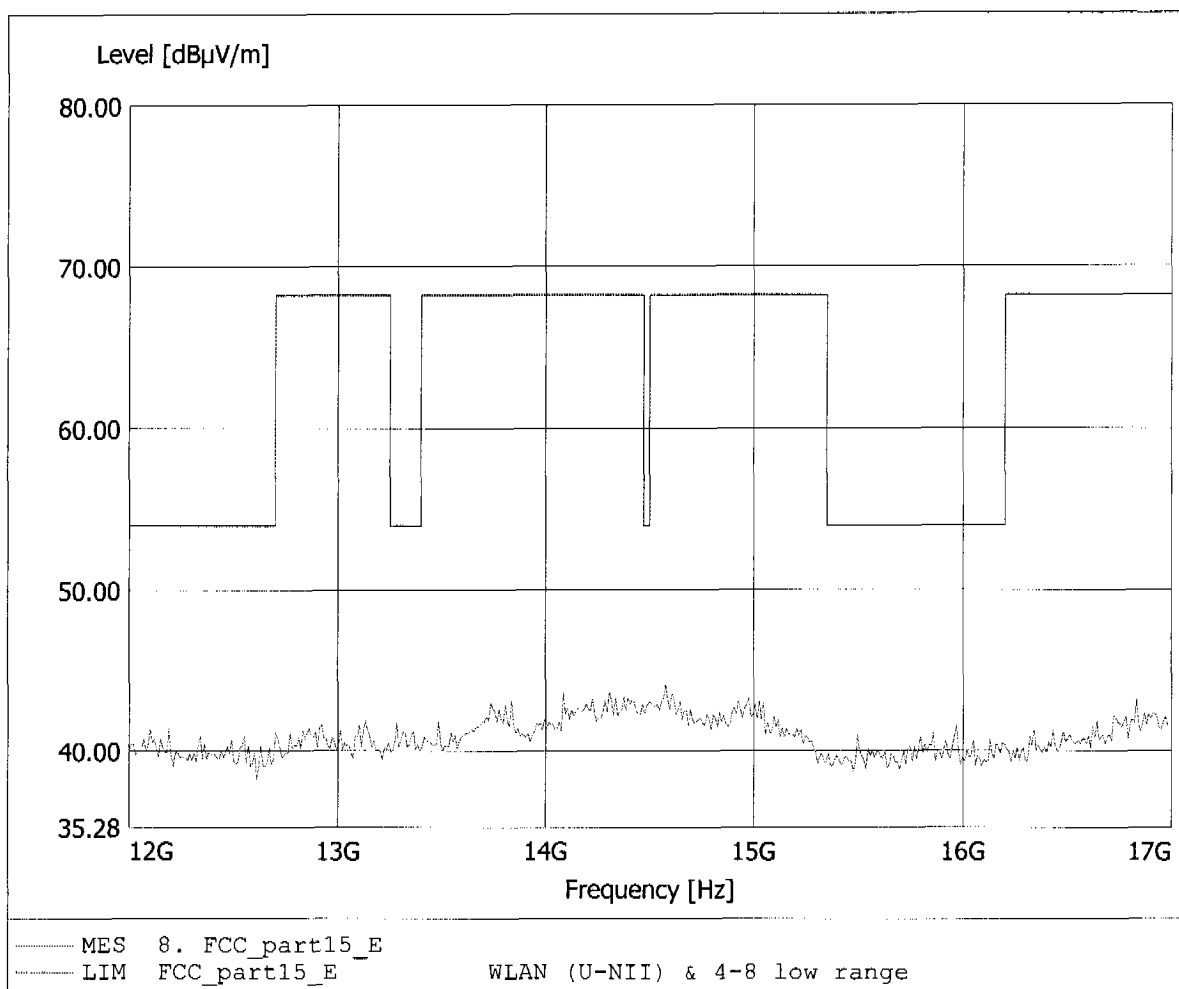
**Spurious emissions Field Strength
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EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
Model: SA5250/1 mPCI
Approval Holder: Philips Semiconductors Dresden AG
Operating Condition: Tnom: 23°C / Unom: 120 V AC (powered by mPCI-slot)
Test Site / Operator: ETS / Mr. Hoppe
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.102GHz, Emax: 41.58dBµV/m, RBW: 1MHz



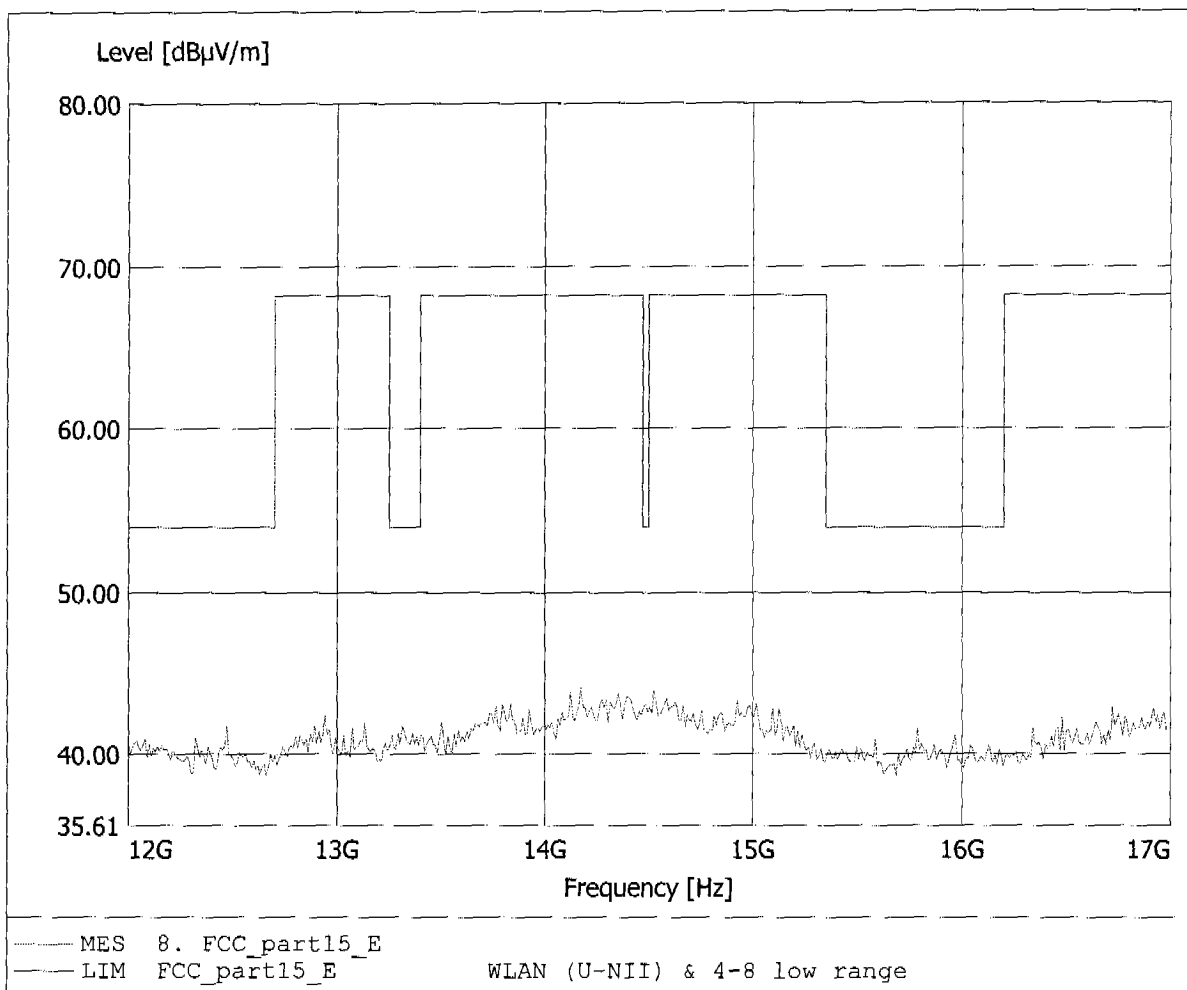
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
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 §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 14.575GHz, Emax: 44.17dBµV/m, RBW: 1MHz



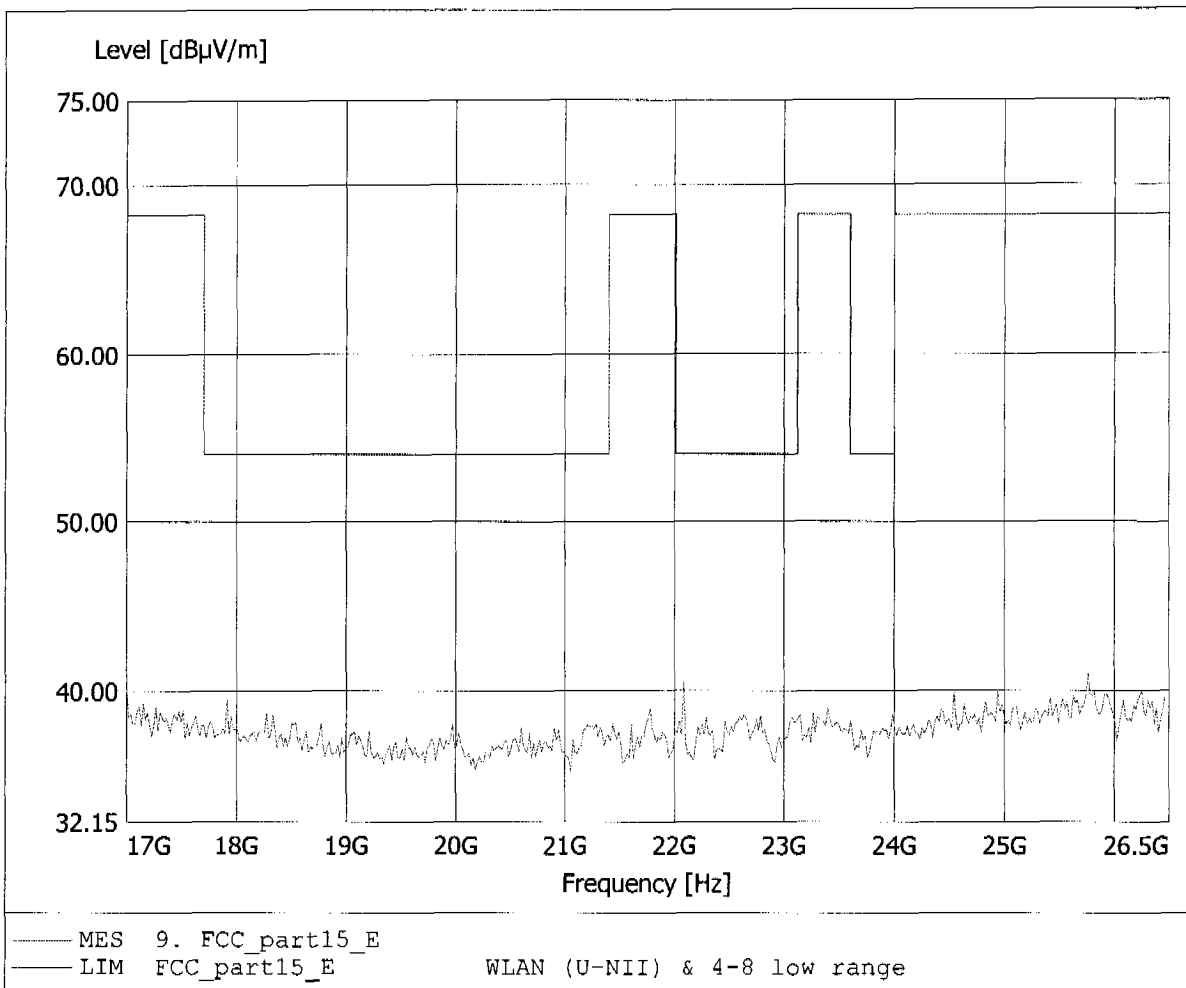
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
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 §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 14.174GHz, Emax: 44.06dBµV/m, RBW: 1MHz



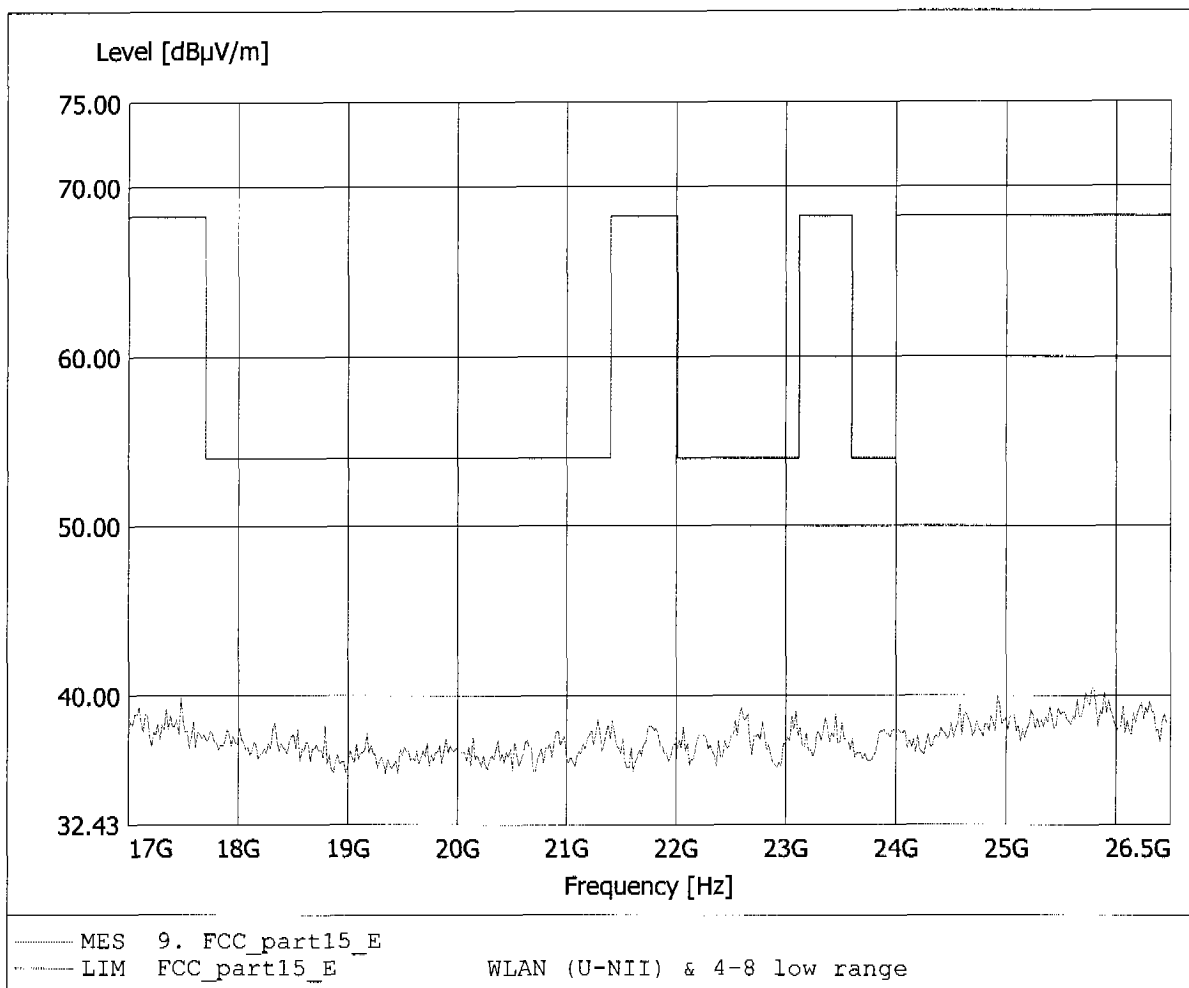
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
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 §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: HL025, amplif.
Comment 2: Freq: 25.758GHz, Emax: 41.03dBµV/m, RBW: 1MHz



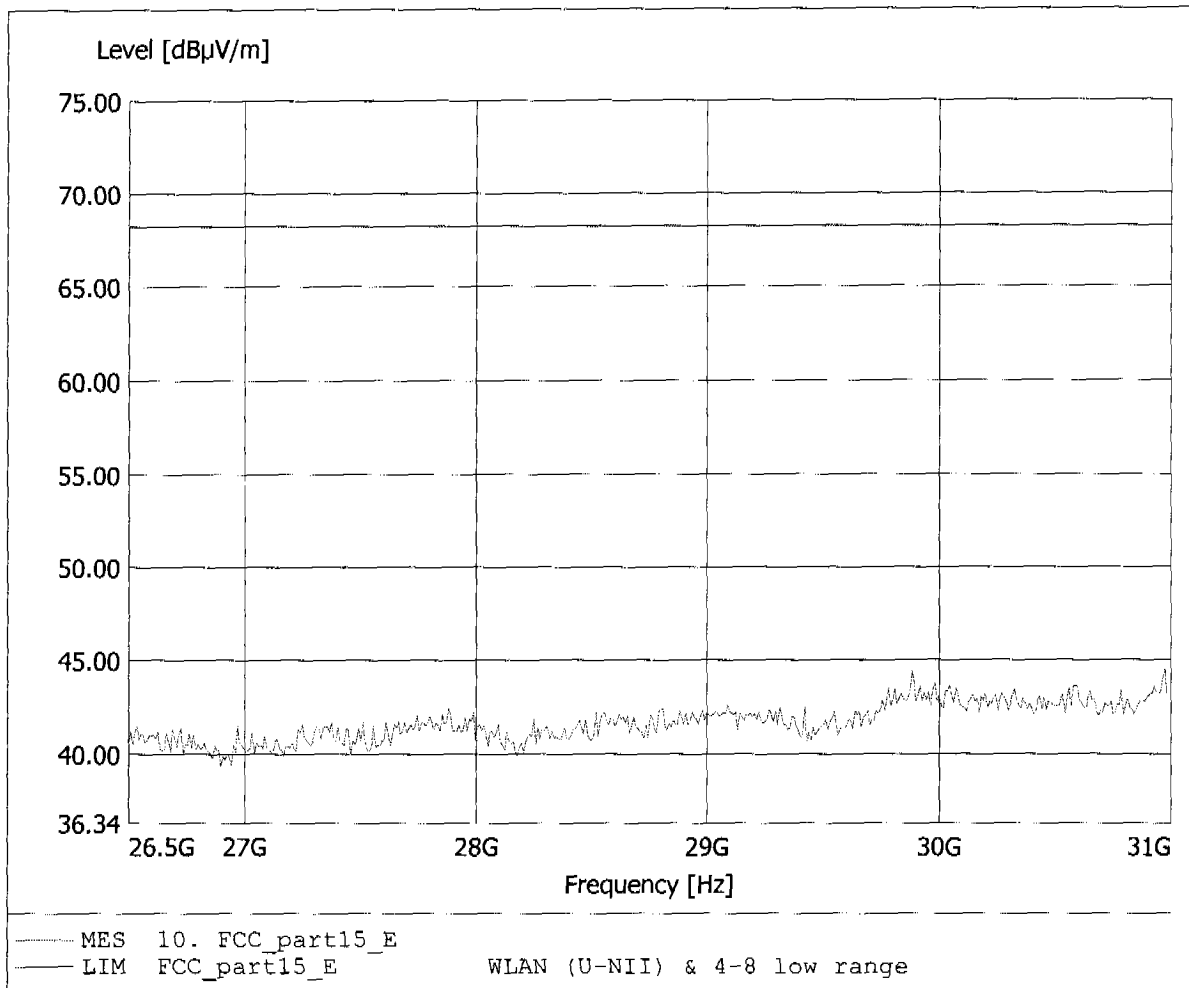
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
 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 §15.407, peak detector
 Comment 1: Dist.: 1m, Ant.: HL025, amplif.
 Comment 2: Freq: 25.777GHz, Emax: 40.45dBµV/m, RBW: 1MHz



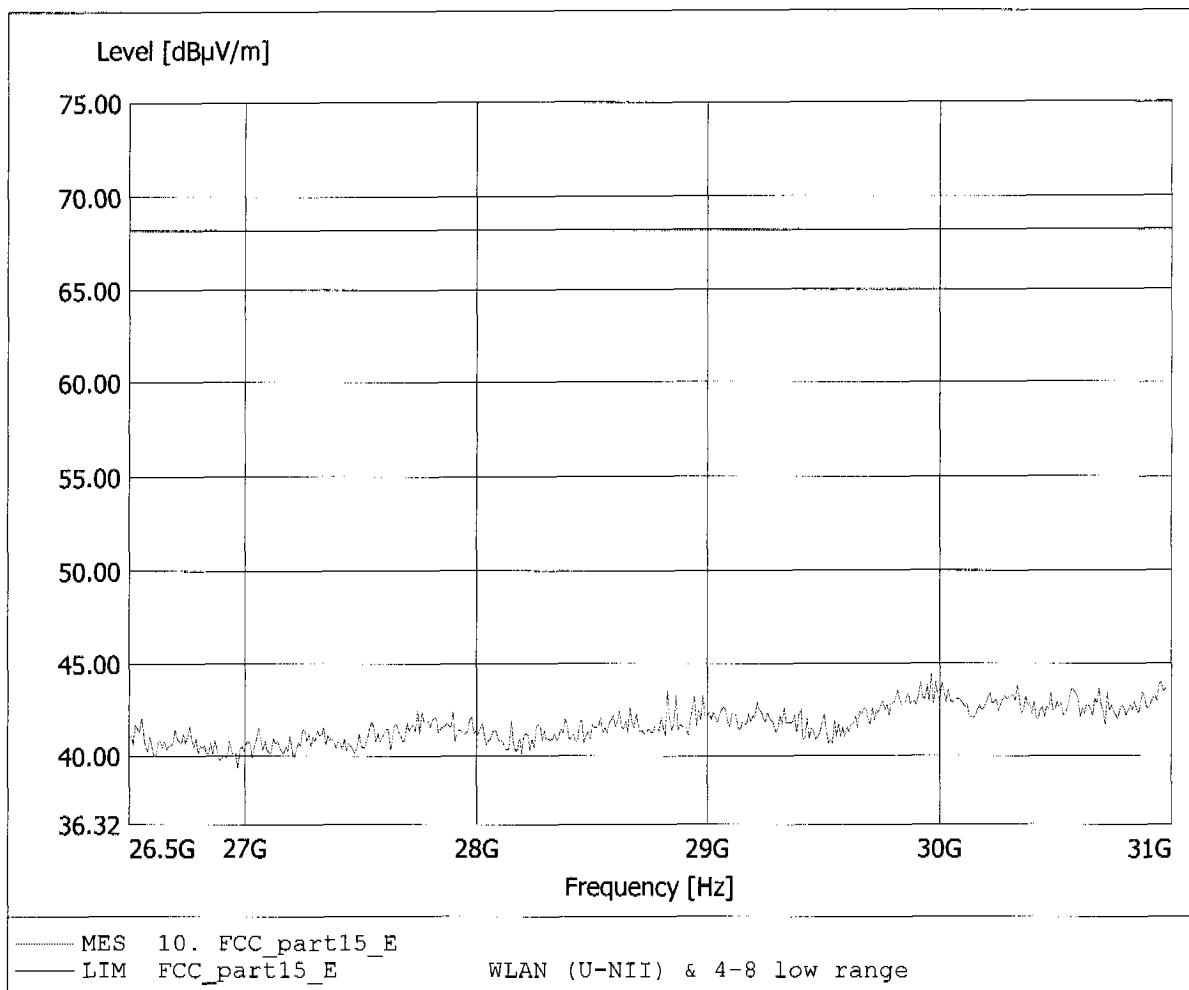
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
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 §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 30.973GHz, Emax: 44.52dBµV/m, RBW: 1MHz



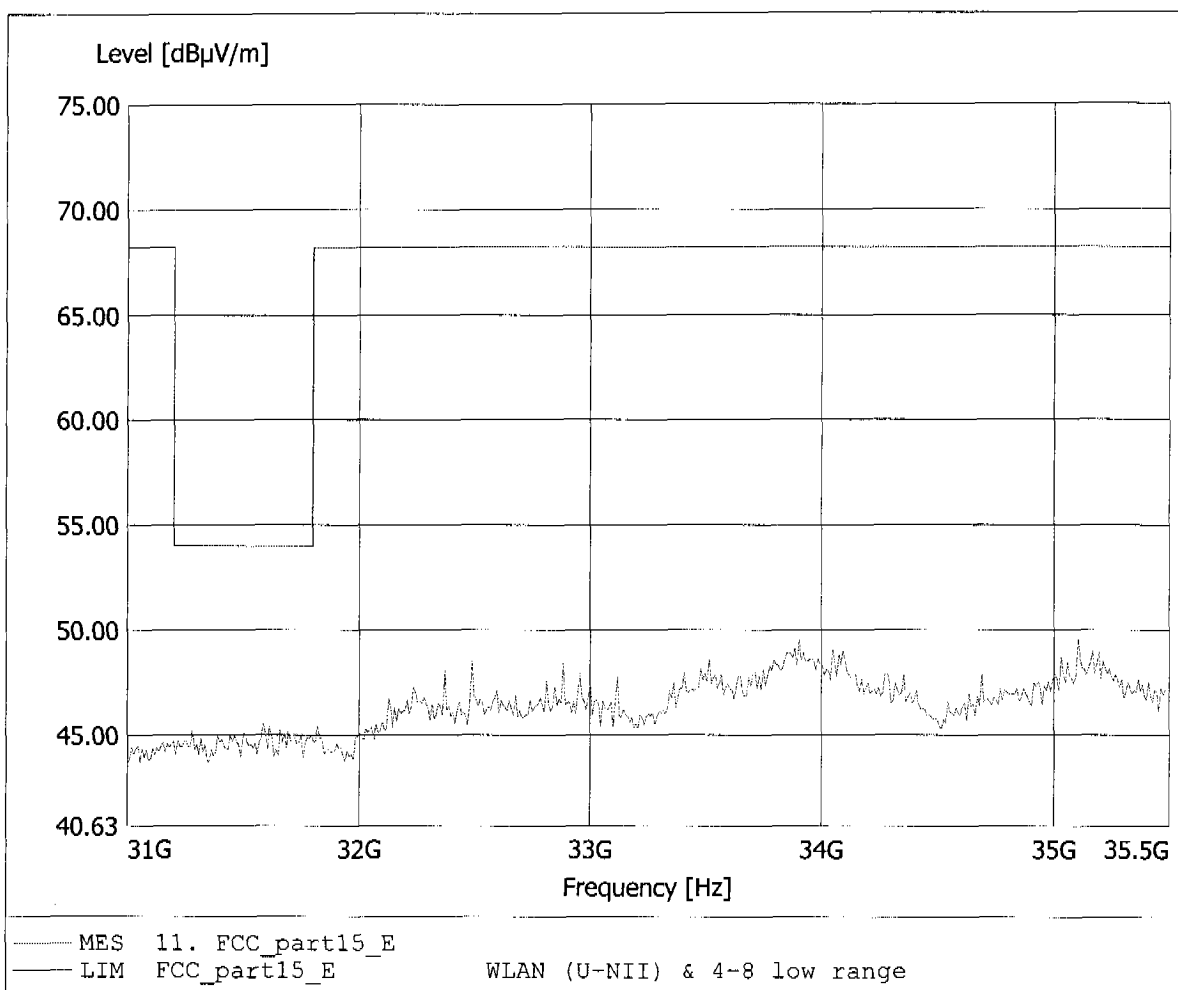
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
 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 §15.407, peak detector
 Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
 Comment 2: Freq: 29.963GHz, Emax: 44.46dBµV/m, RBW: 1MHz



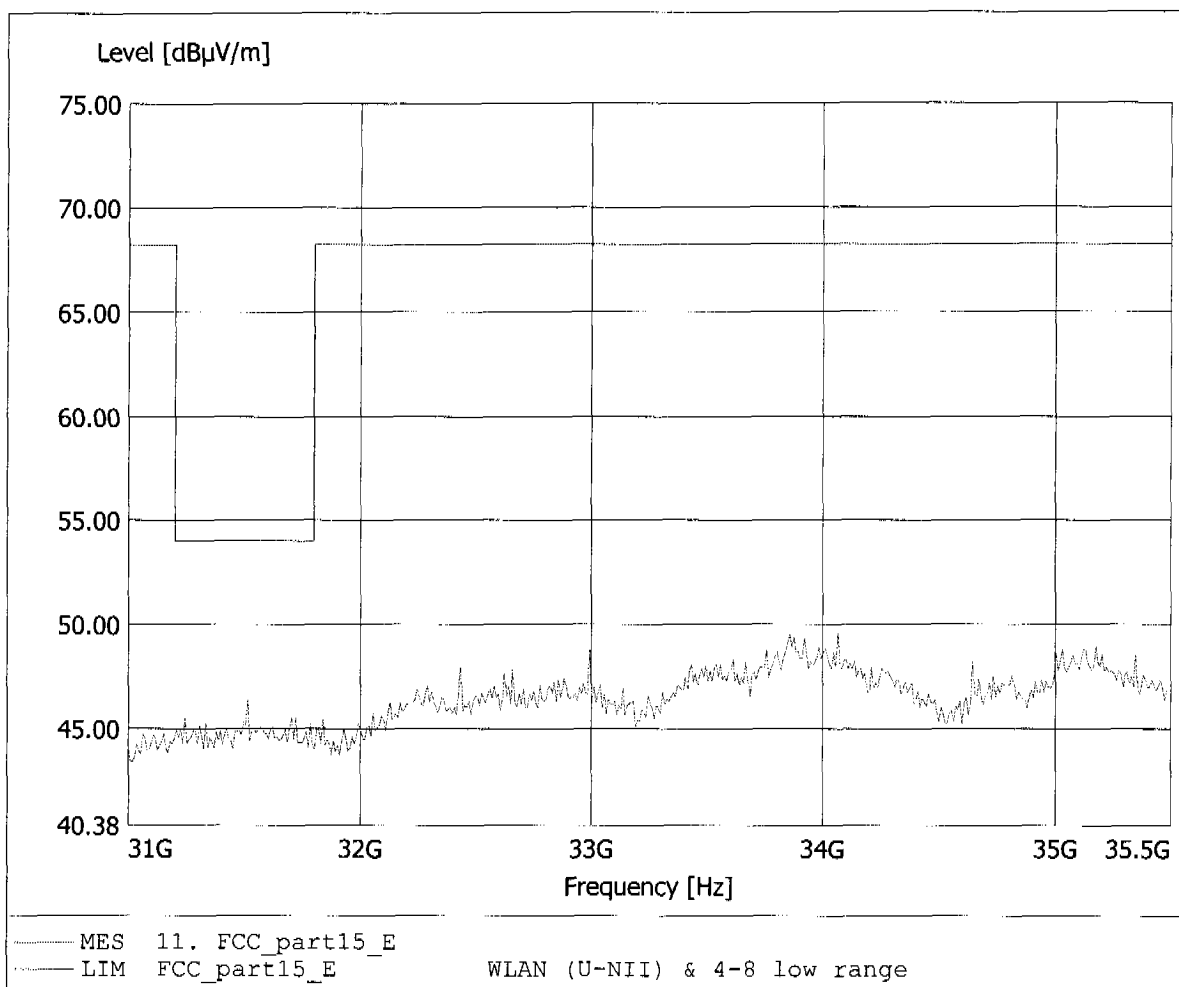
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
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 §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 35.103GHz, Emax: 49.57dBuV/m, RBW: 1MHz



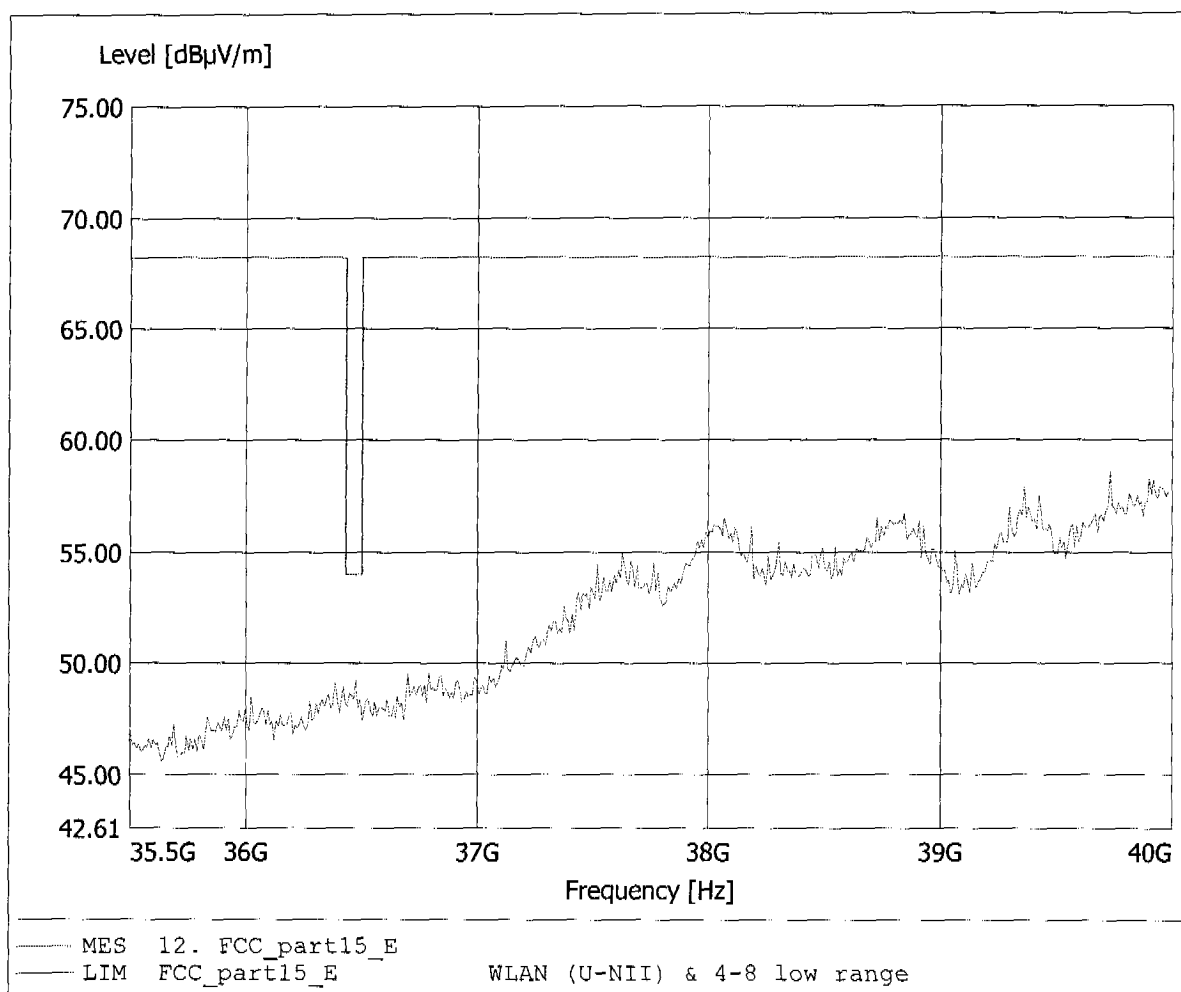
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
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 §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 34.066GHz, Emax: 49.61dBµV/m, RBW: 1MHz



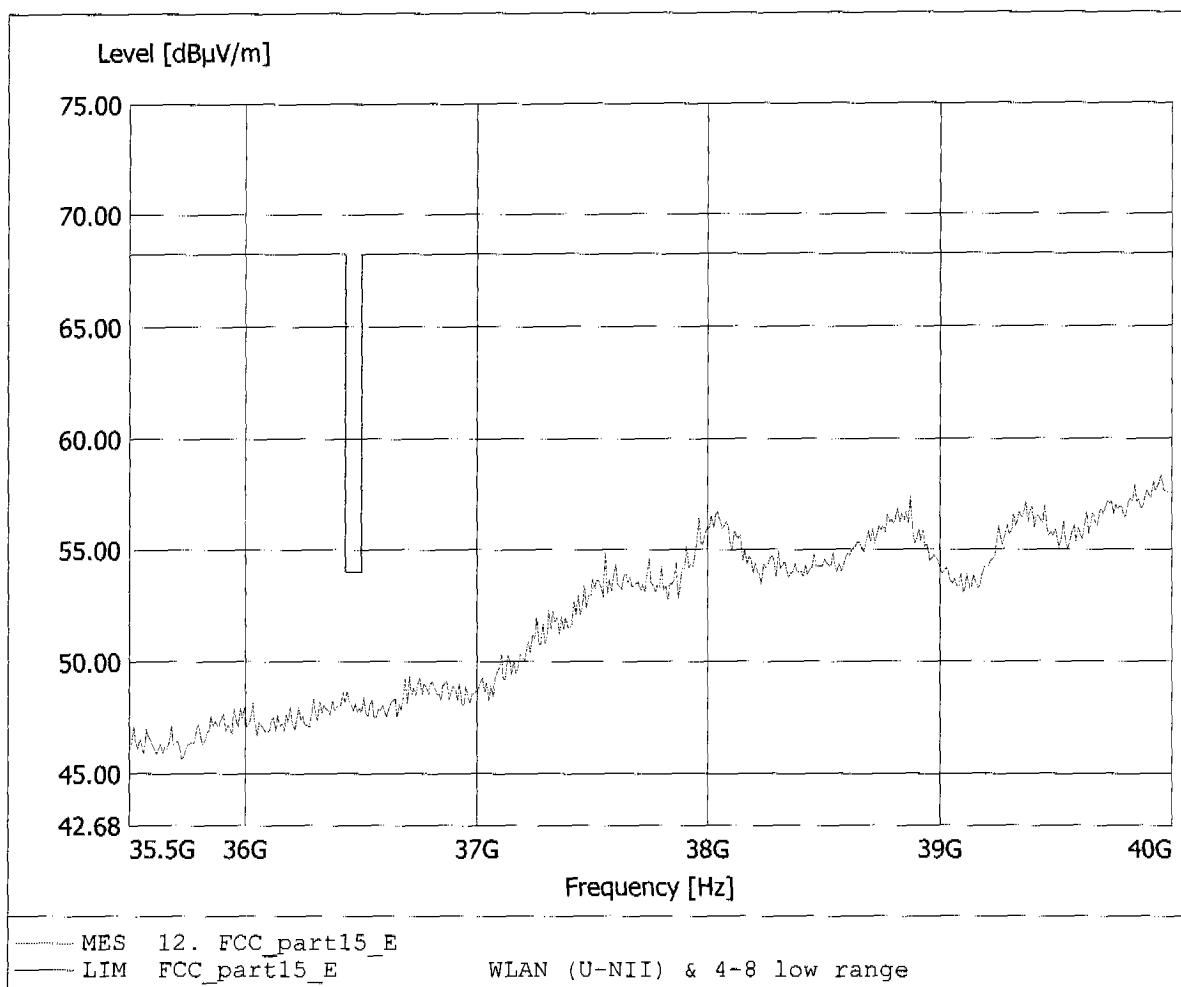
**Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E**

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
 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 §15.407, peak detector
 Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
 Comment 2: Freq: 39.729GHz, Emax: 58.61dBµV/m, RBW: 1MHz



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

EUT: SA5250/1 802.11a/b/g mPCI Reference Design / Ch.:64
 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 §15.407, peak detector
 Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
 Comment 2: Freq: 39.955GHz, Emax: 58.34dBµV/m, RBW: 1MHz





Appendix G

Frequency Stability

No diagrams
Refer to point 3.10

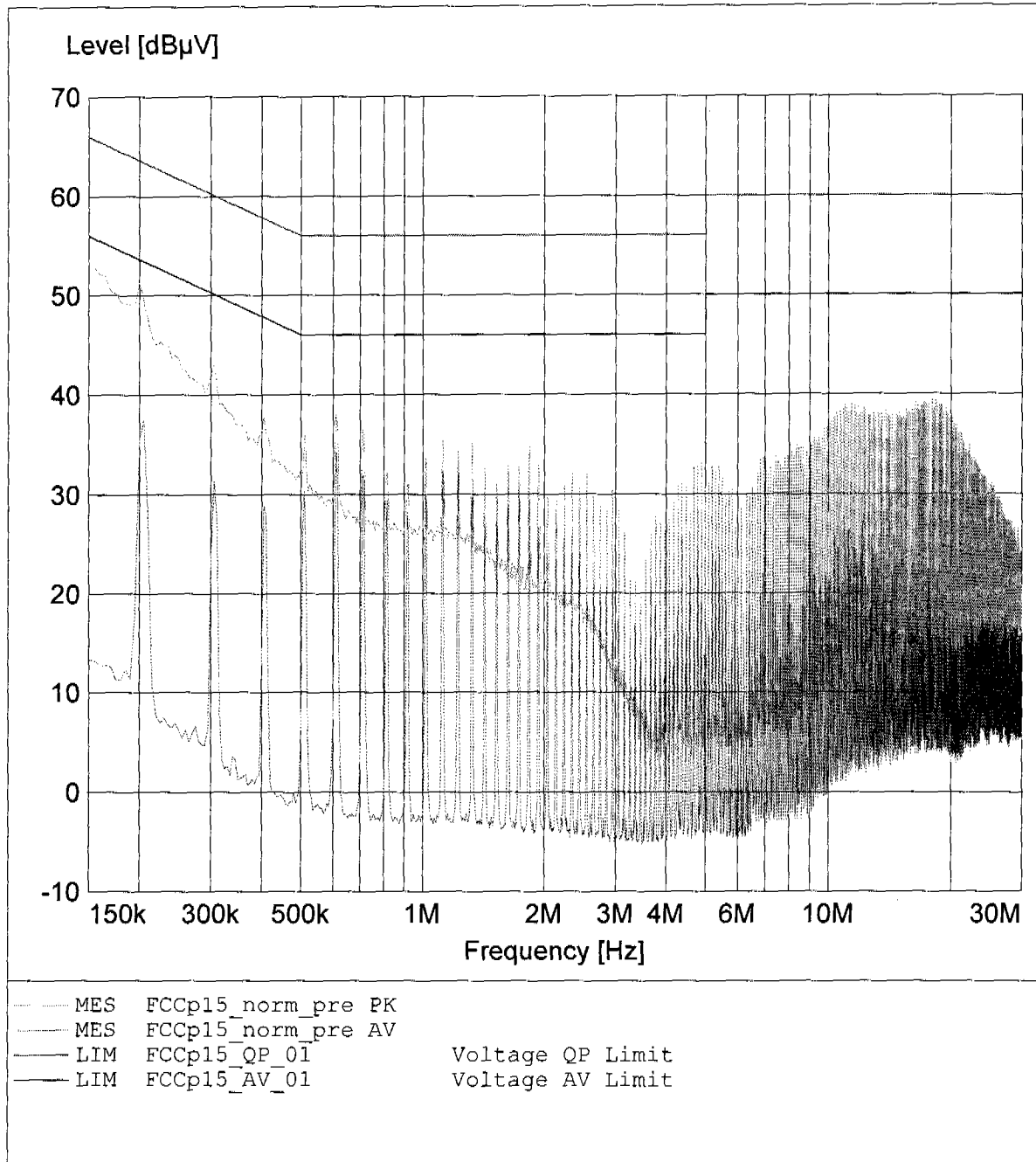


Appendix H

Spurious emissions related to 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: 52 / 54 Mb/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: 52 / 54 Mb/s

