



## Appendix D

Spurious Emissions conducted - Transmitter operating

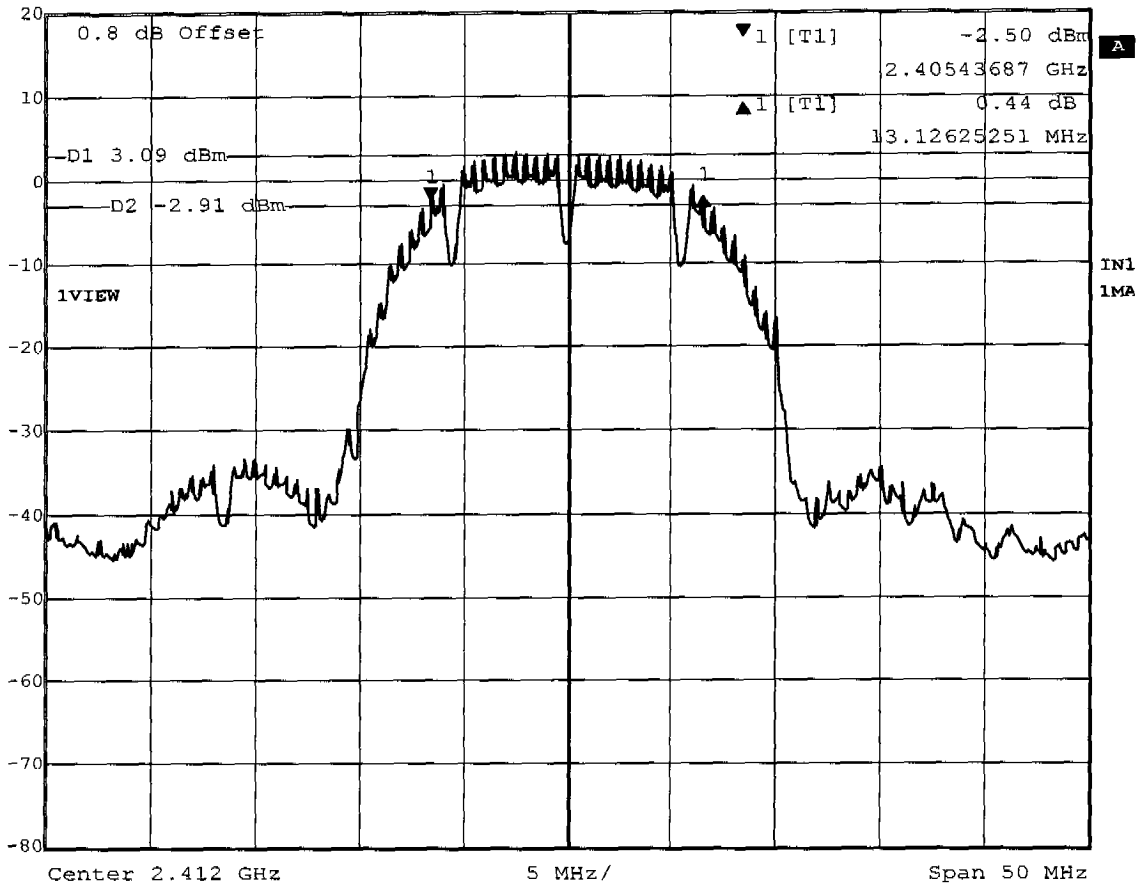


## Appendix E

Maximum 6 dB Bandwidth



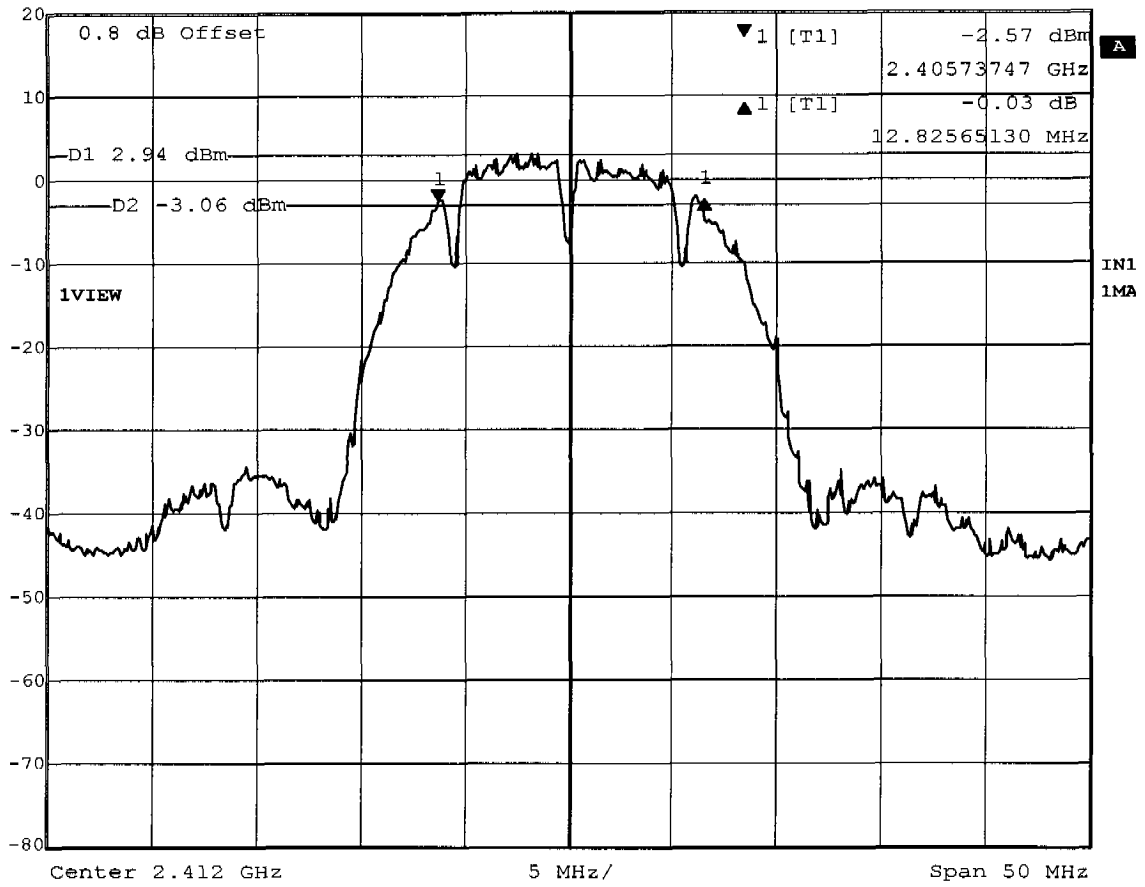
Delta 1 [T1] REW 100 kHz RF Att 40 dB  
Ref Lvl 0.44 dB VBW 1 MHz  
20 dBm 13.12625251 MHz SWT 12.5 ms Unit dBm



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



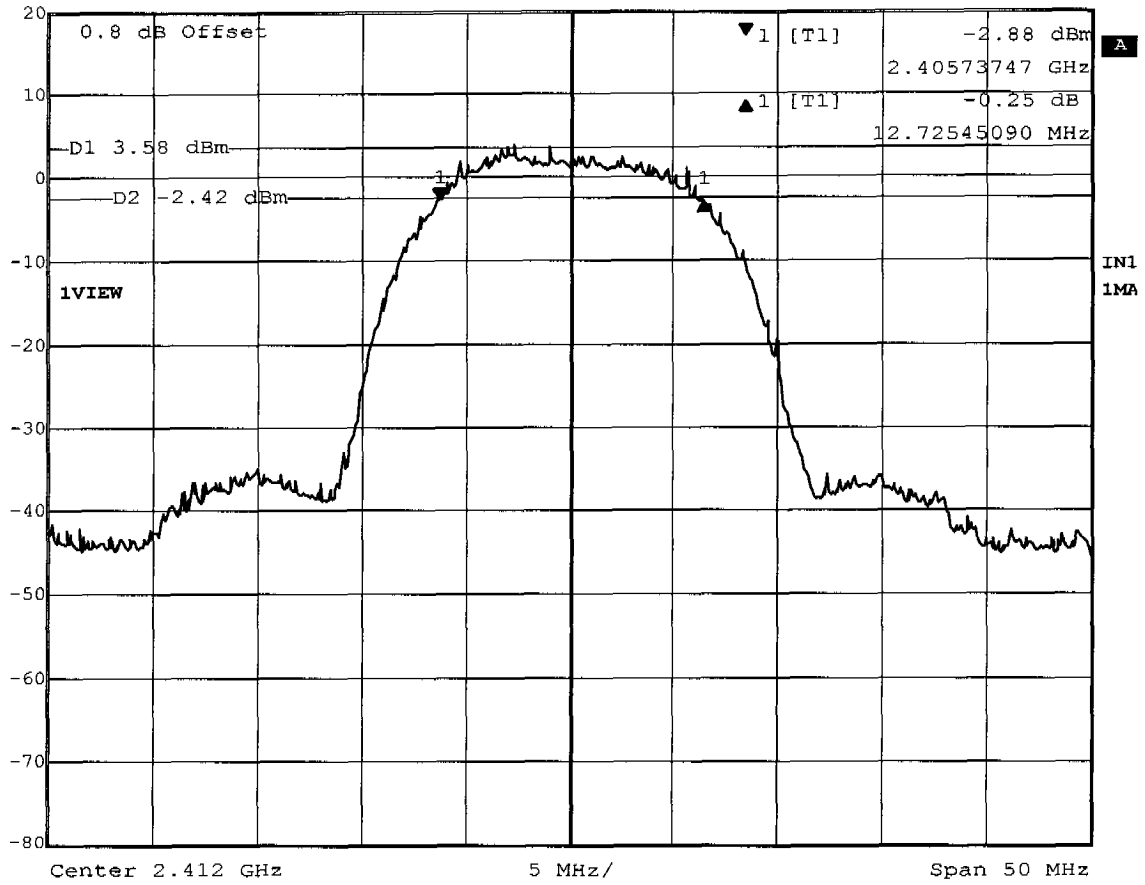
Delta 1 [T1] RBW 100 kHz RF Att 40 dB  
Ref Lvl -0.03 dB VBW 1 MHz  
20 dBm 12.82565130 MHz SWT 12.5 ms Unit dBm



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



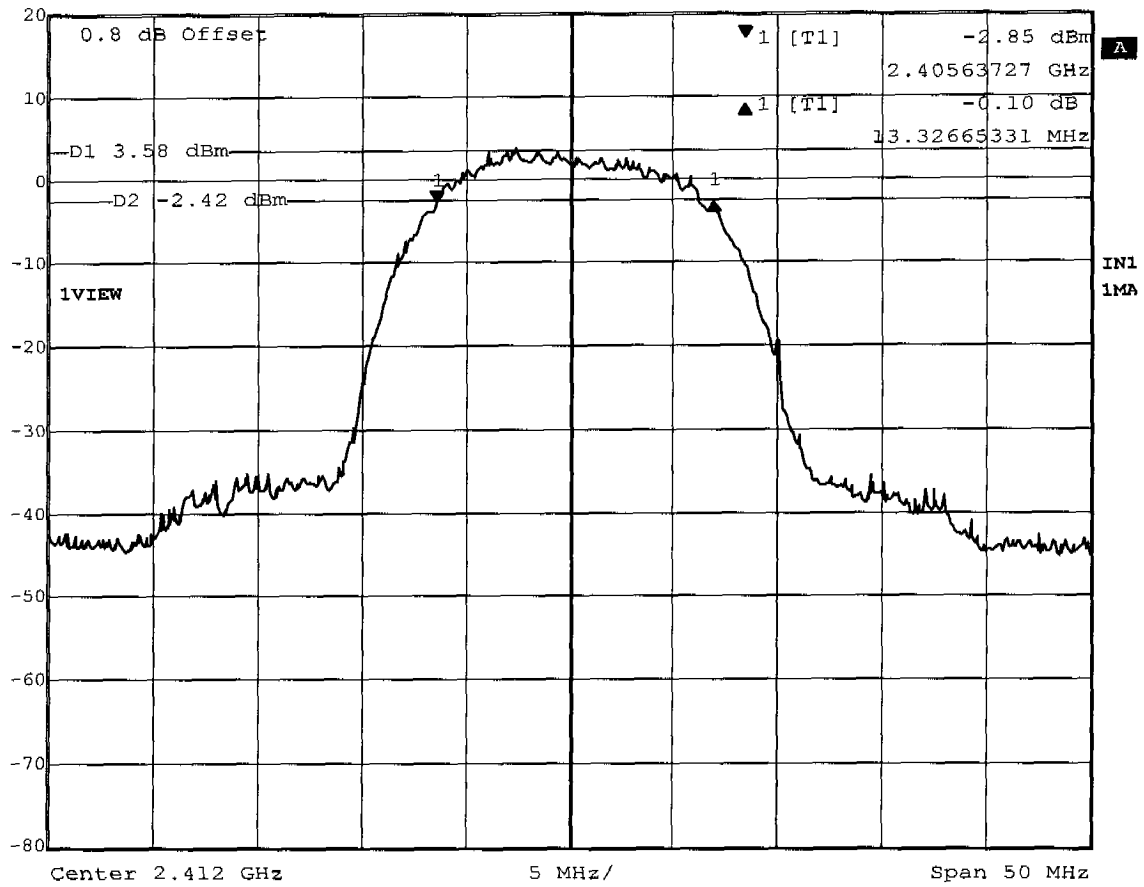
Delta 1 [T1]      RBW    100 kHz    RF Att    40 dB  
Ref Lvl            -0.25 dB    VBW      1 MHz  
20 dBm            12.72545090 MHz    SWT    12.5 ms    Unit        dBm



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



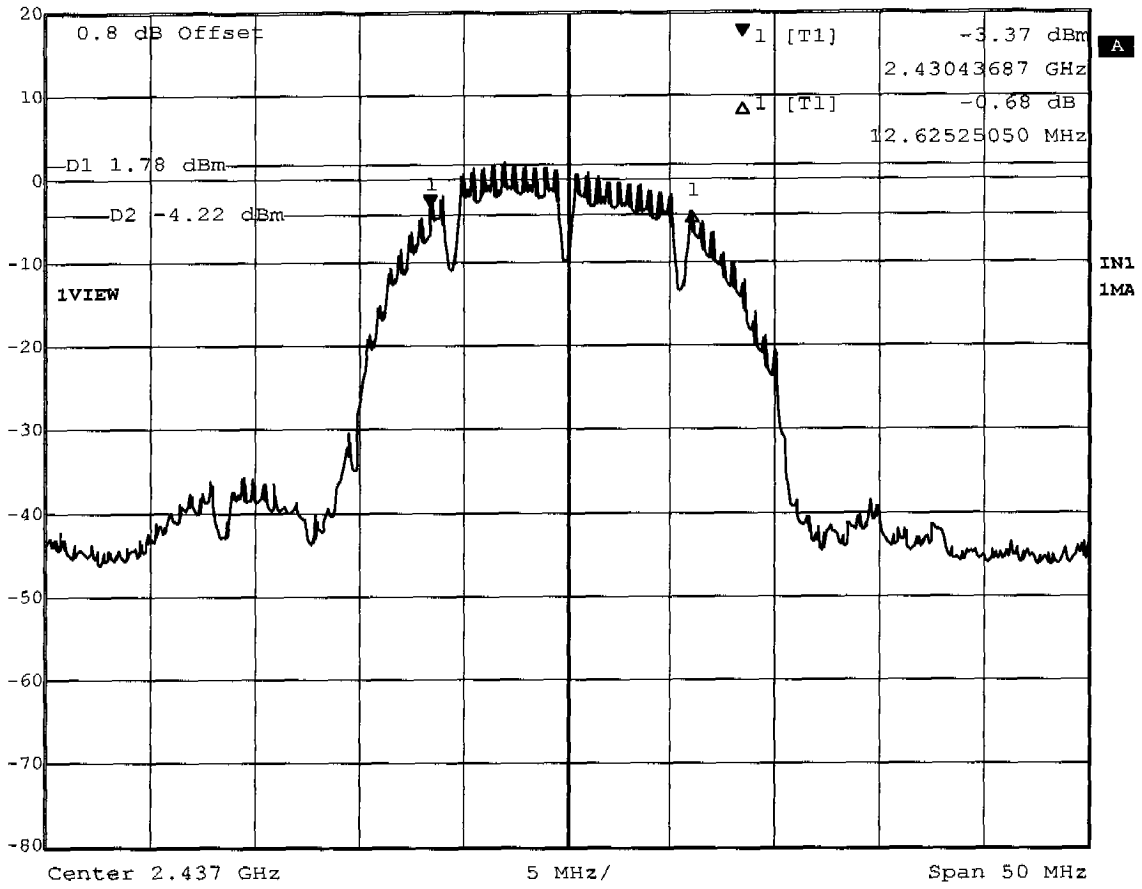
Delta 1 [T1] RBW 100 kHz RF Att 40 dB  
Ref Lvl -0.10 dB VBW 1 MHz  
20 dBm 13.32665331 MHz SWT 12.5 ms Unit dBm



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



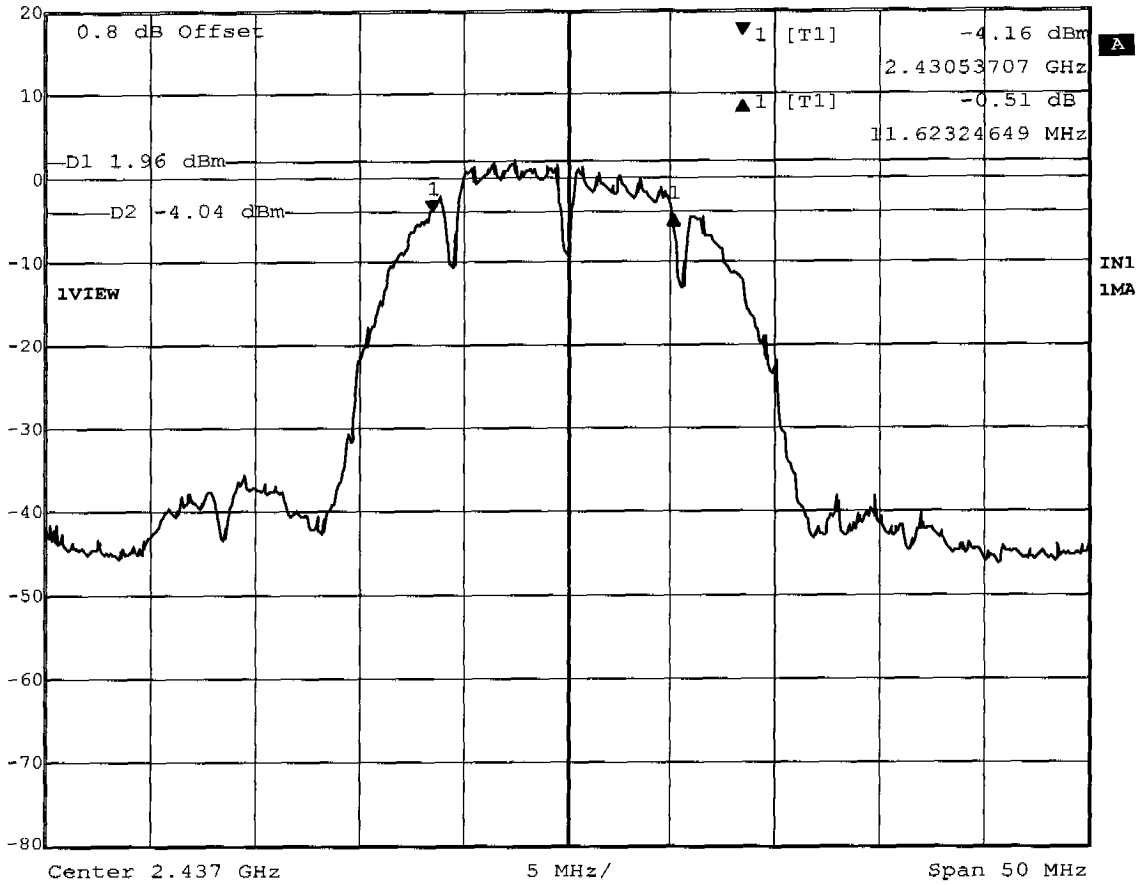
Marker 1 [T1] REW 100 kHz RF Att 40 dB  
Ref Lvl -3.37 dBm VBW 1 MHz  
20 dBm 2.43043687 GHz SWT 12.5 ms Unit dBm



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

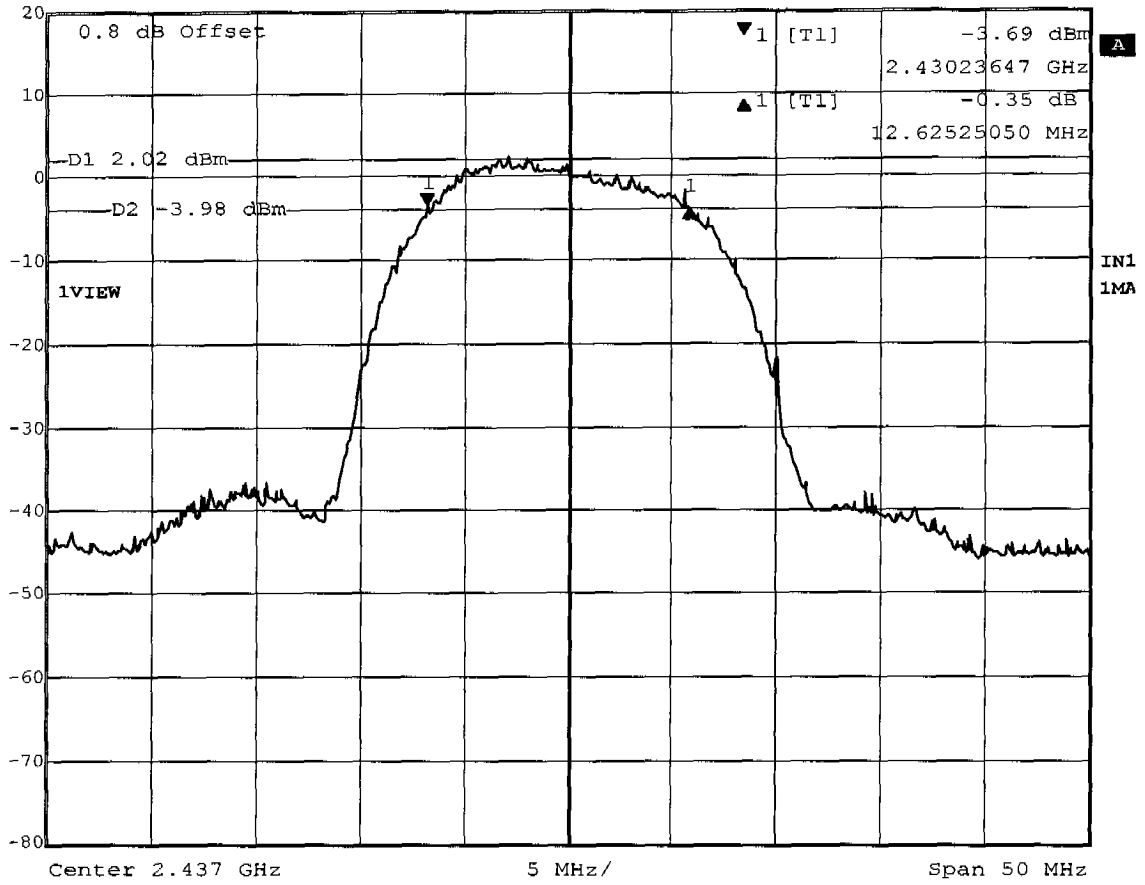


Title: Minimum 6dB Bandwidth 2Mb/s  
Comment A: SA5250/1 802.11a/b/g Mini PCI  
Date: 4.DEC.2003 09:01:55





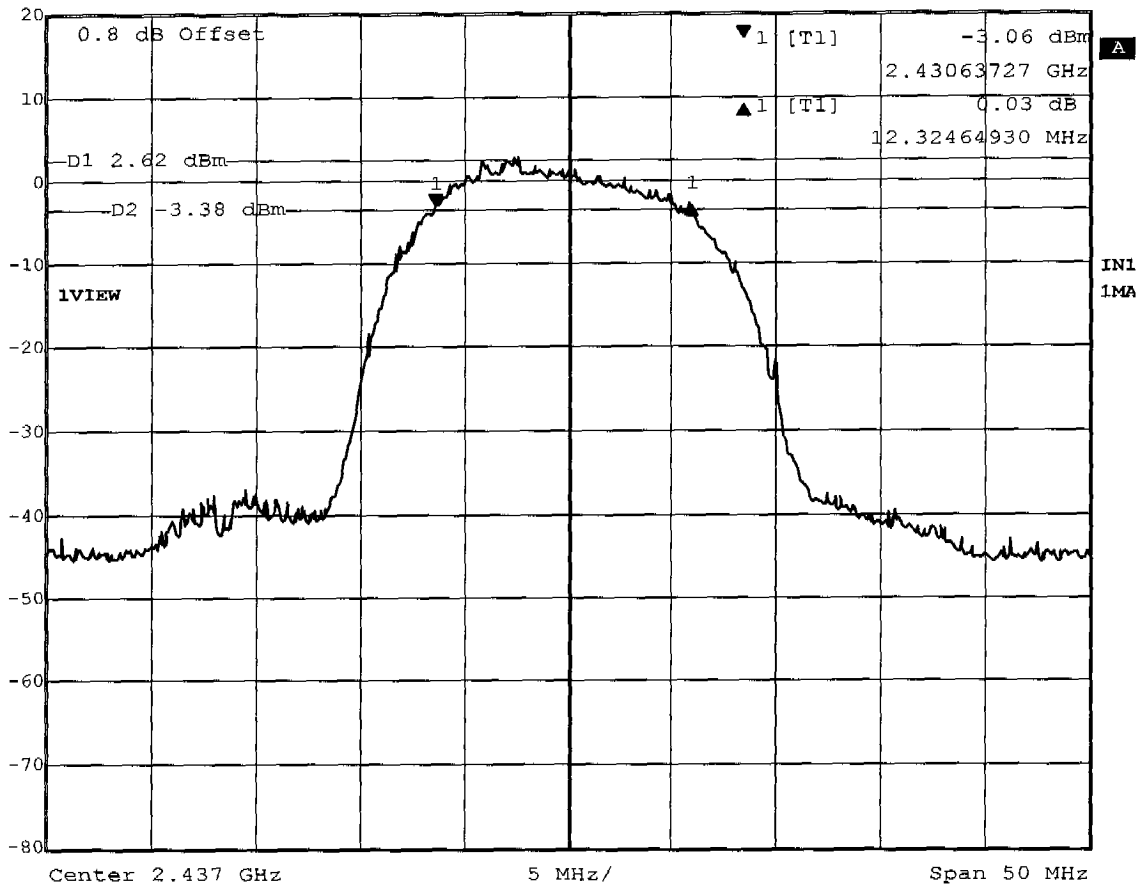
Delta 1 [T1] RBW 100 kHz RF Att 40 dB  
Ref Lvl -0.35 dB VBW 1 MHz  
20 dBm 12.62525050 MHz SWT 12.5 ms Unit dBm



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



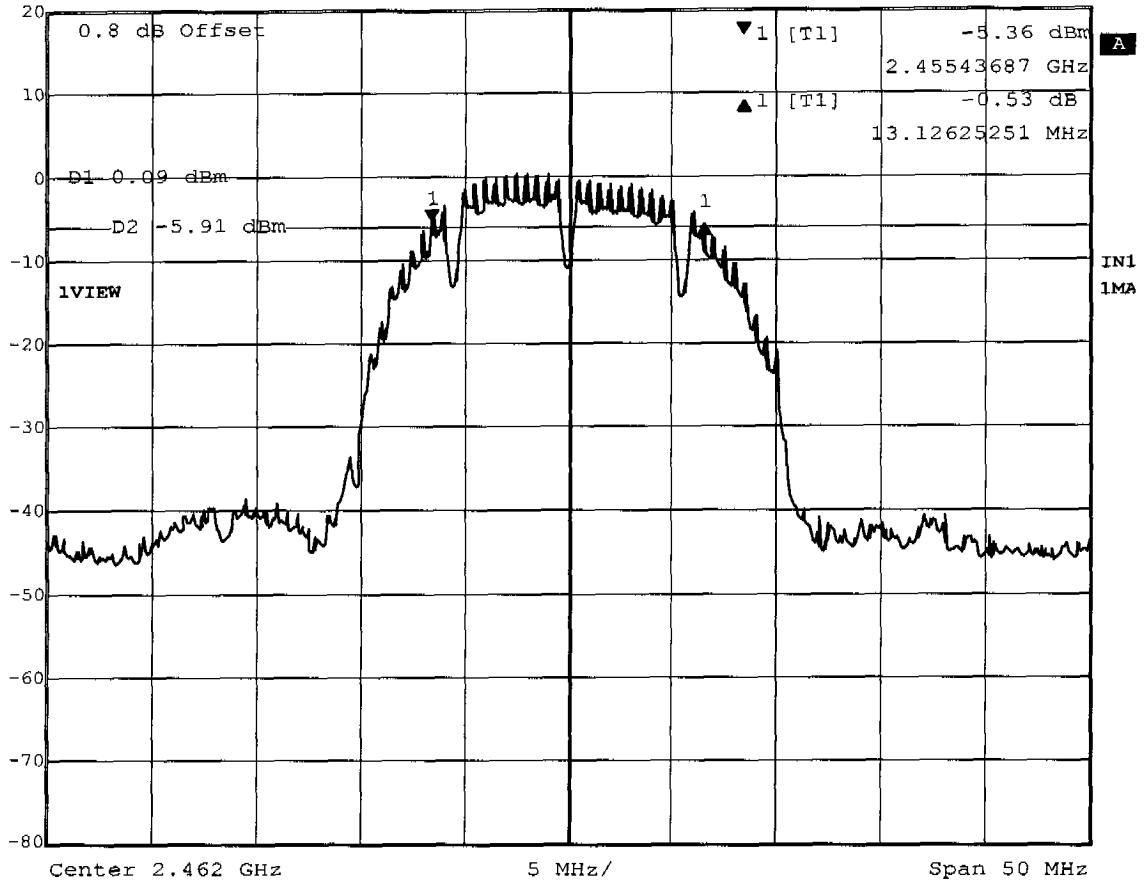
Delta 1 [T1] RBW 100 kHz RF Att 40 dB  
Ref Lvl 0.03 dB VBW 1 MHz  
20 dBm 12.32464930 MHz SWT 12.5 ms Unit dBm



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



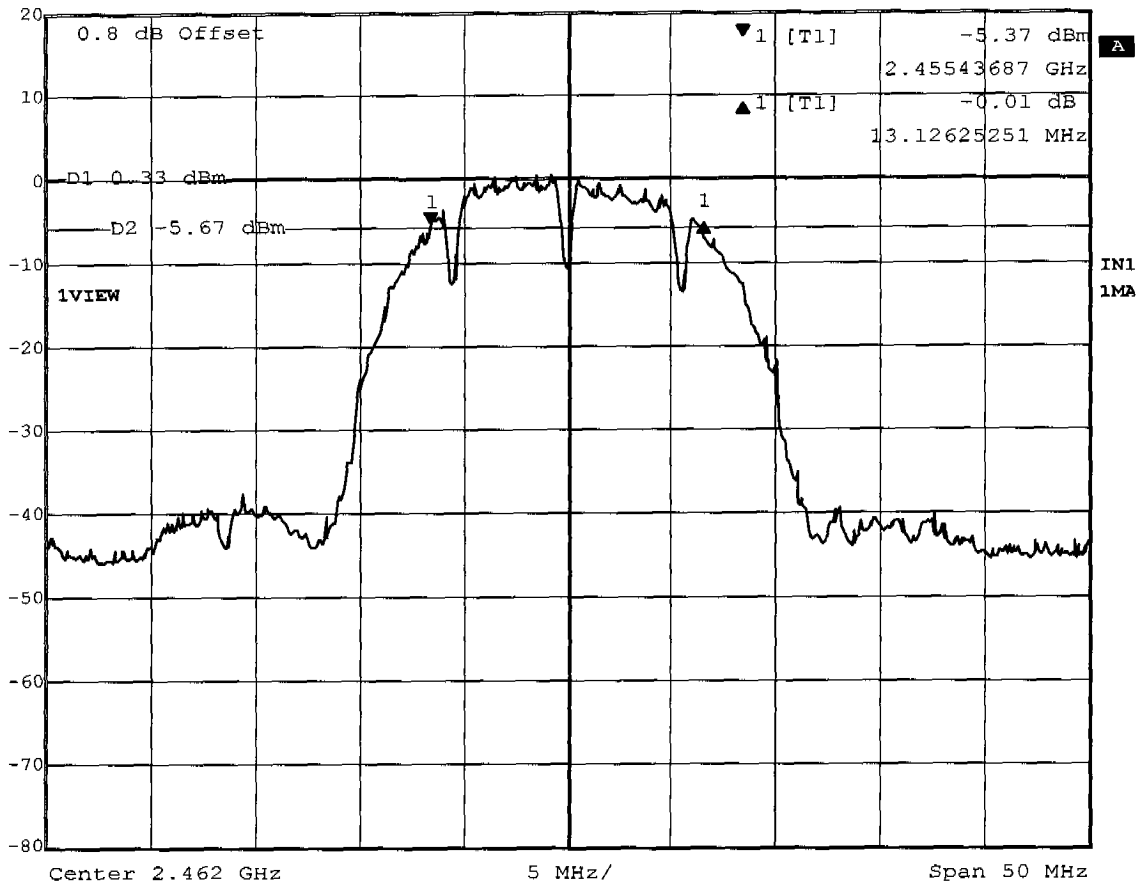
Delta 1 [T1] REW 100 kHz RF Att 40 dB  
Ref Lvl -0.53 dB VBW 1 MHz  
20 dBm 13.12625251 MHz SWT 12.5 ms Unit dBm



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



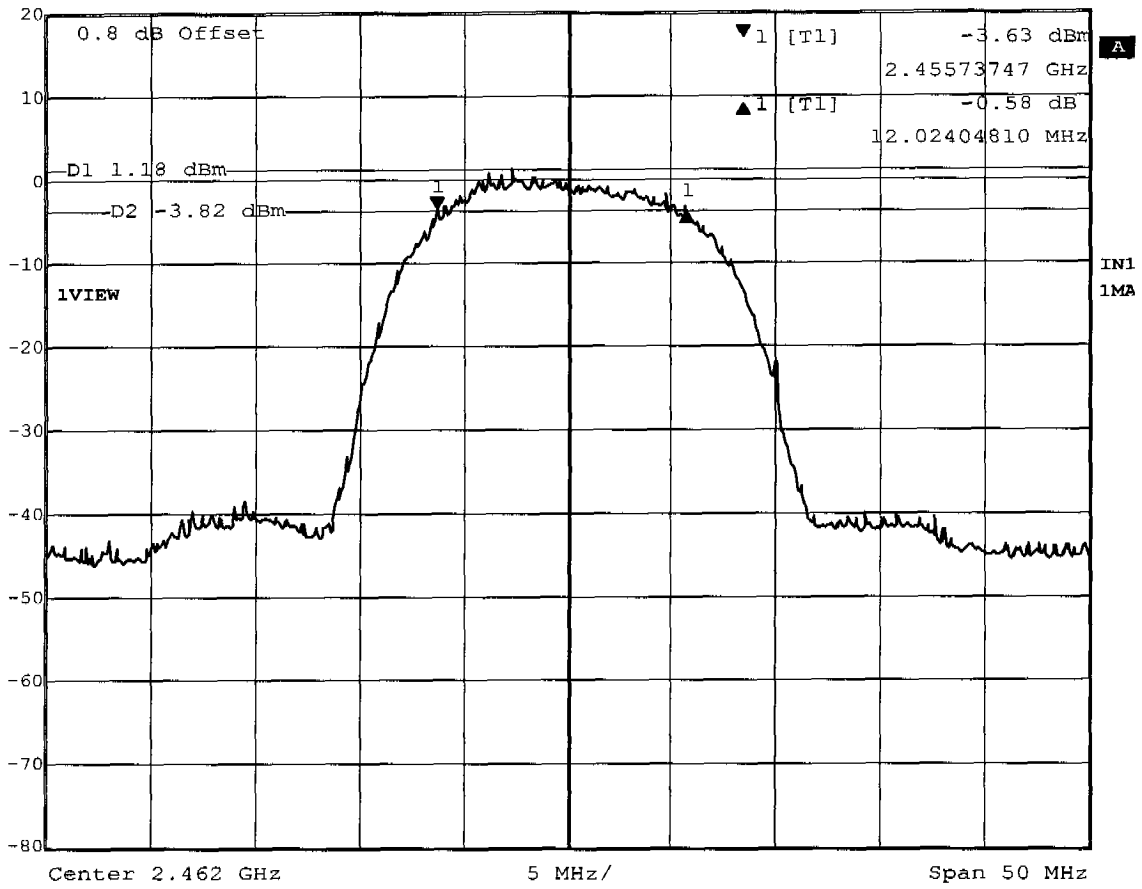
Delta 1 [T1] RBW 100 kHz RF Att 40 dB  
Ref Lvl -0.01 dB VBW 1 MHz  
20 dBm 13.12625251 MHz SWT 12.5 ms Unit dBm



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



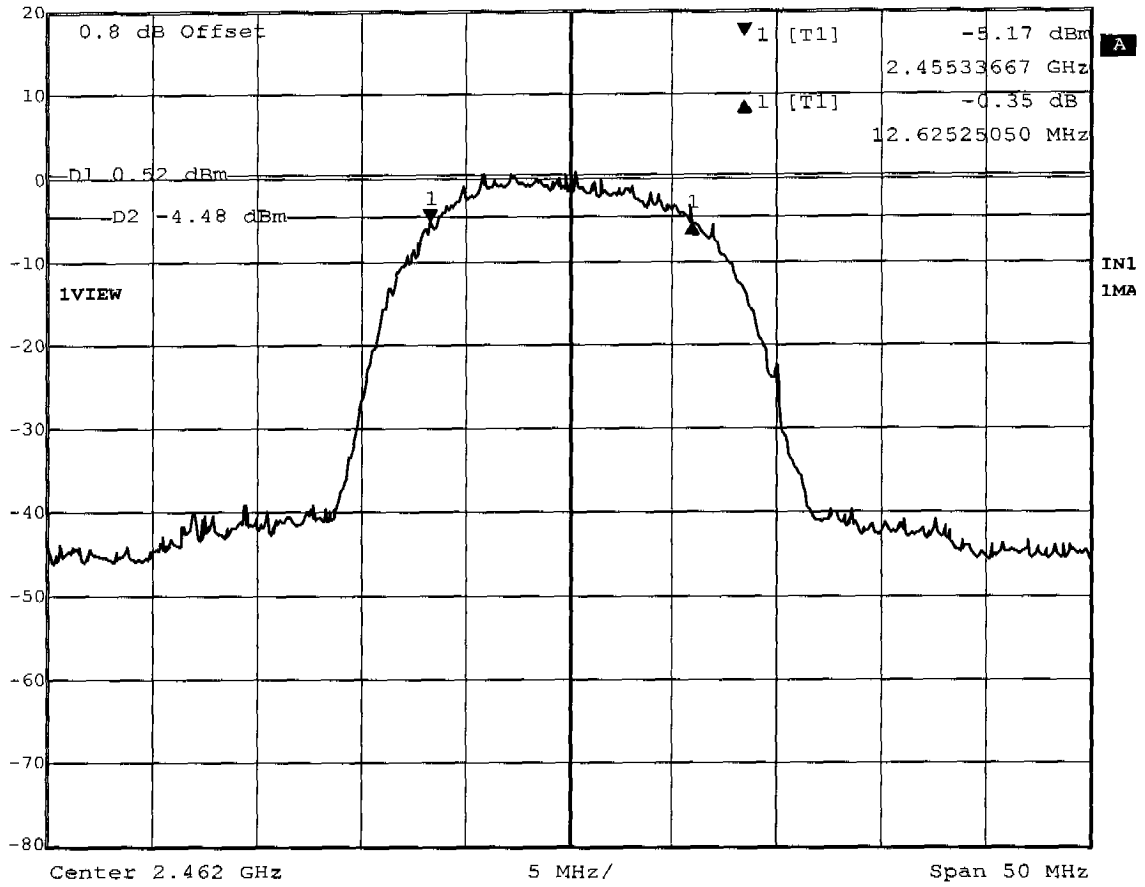
Delta 1 [T1] RBW 100 kHz RF Att 40 dB  
Ref Lvl -0.58 dB VBW 1 MHz  
20 dBm 12.02404810 MHz SWT 12.5 ms Unit dBm



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

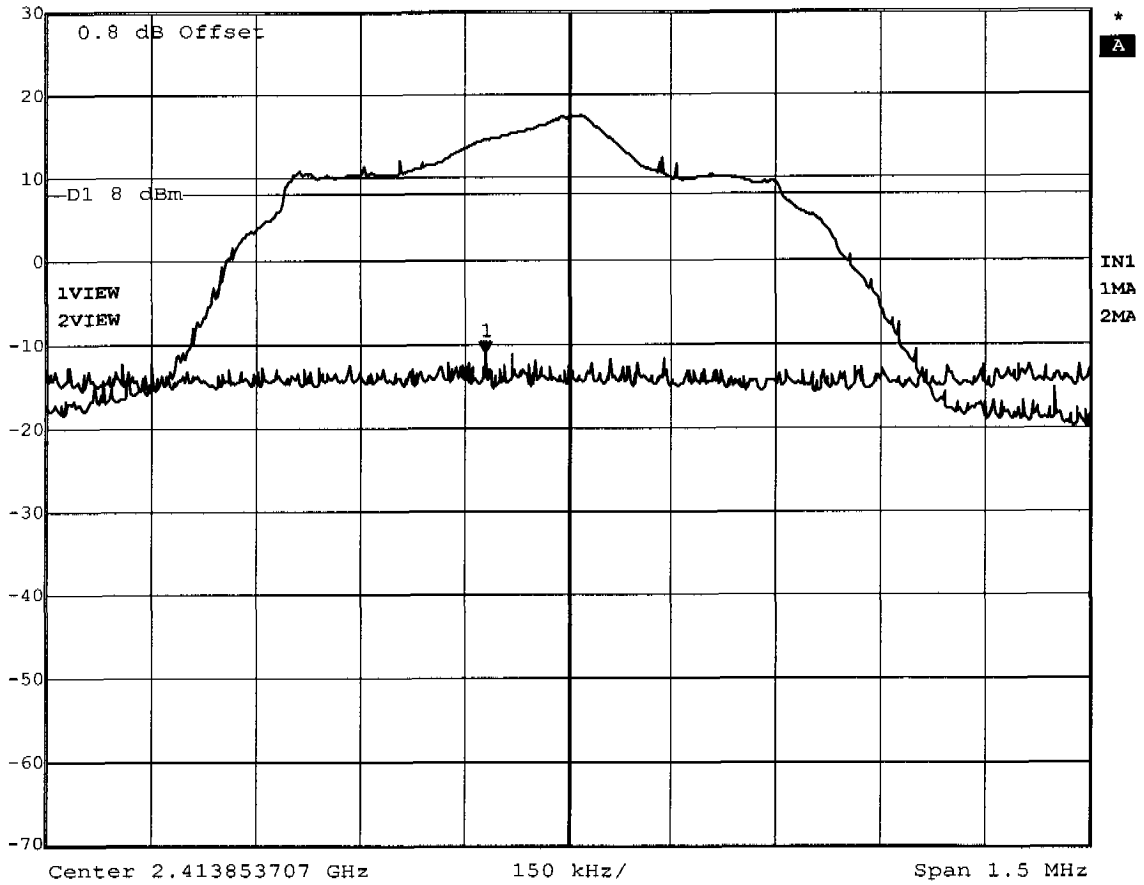


## Appendix F

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

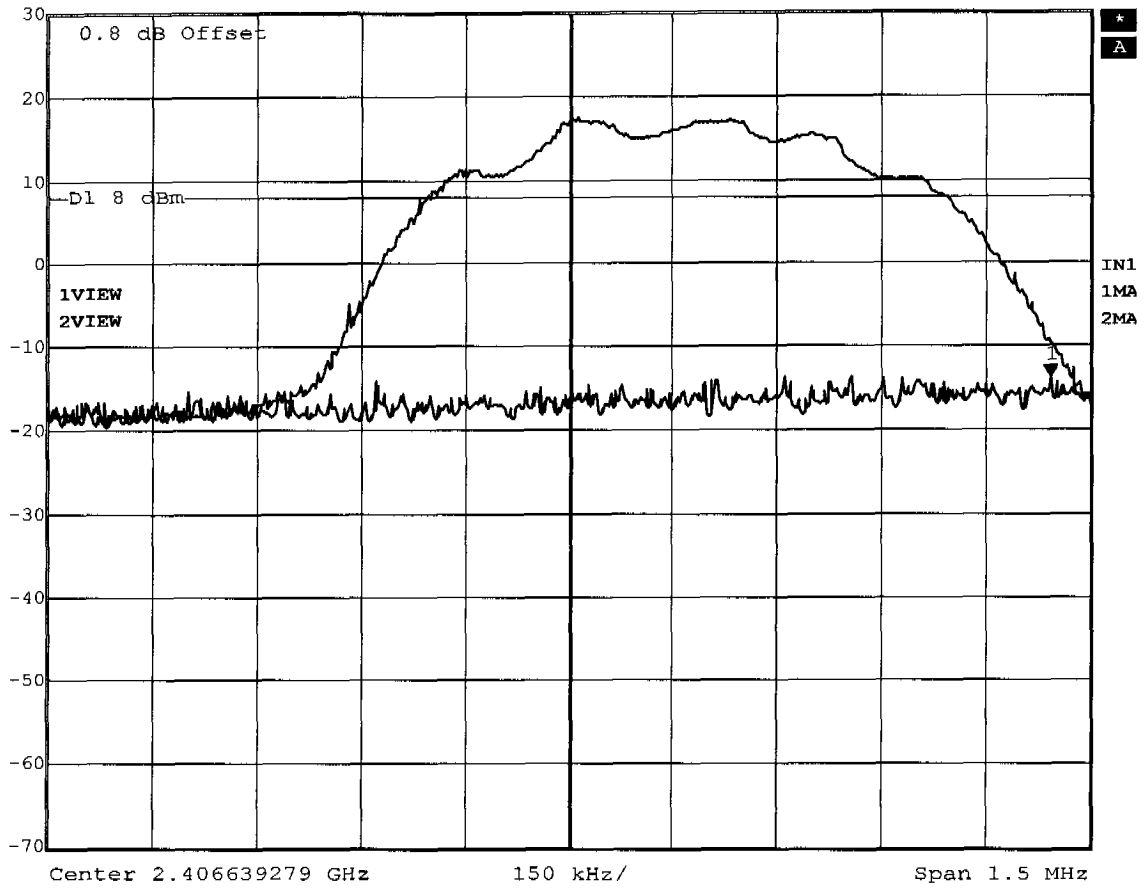


Title: Power Spectral Density 1Mb/s  
Comment A: SA5250/1 802.11a/b/g Mini PCI  
Date: 4.DEC.2003 10:53:20





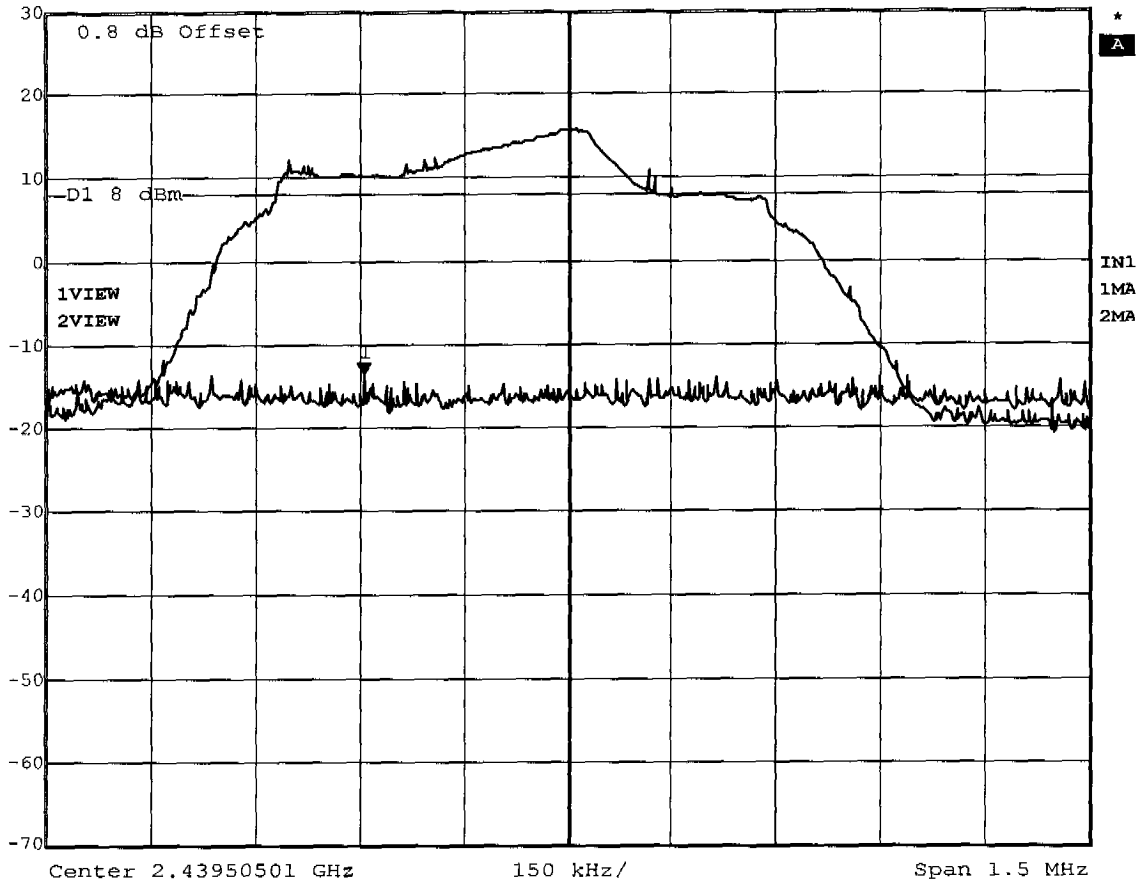
Marker 1 [T2]      RBW    3 kHz    RF Att    50 dB  
Ref Lvl            -13.80 dBm    VBW    100 kHz  
30 dBm            2.40733216 GHz    SWT    500 s    Unit            dBm



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



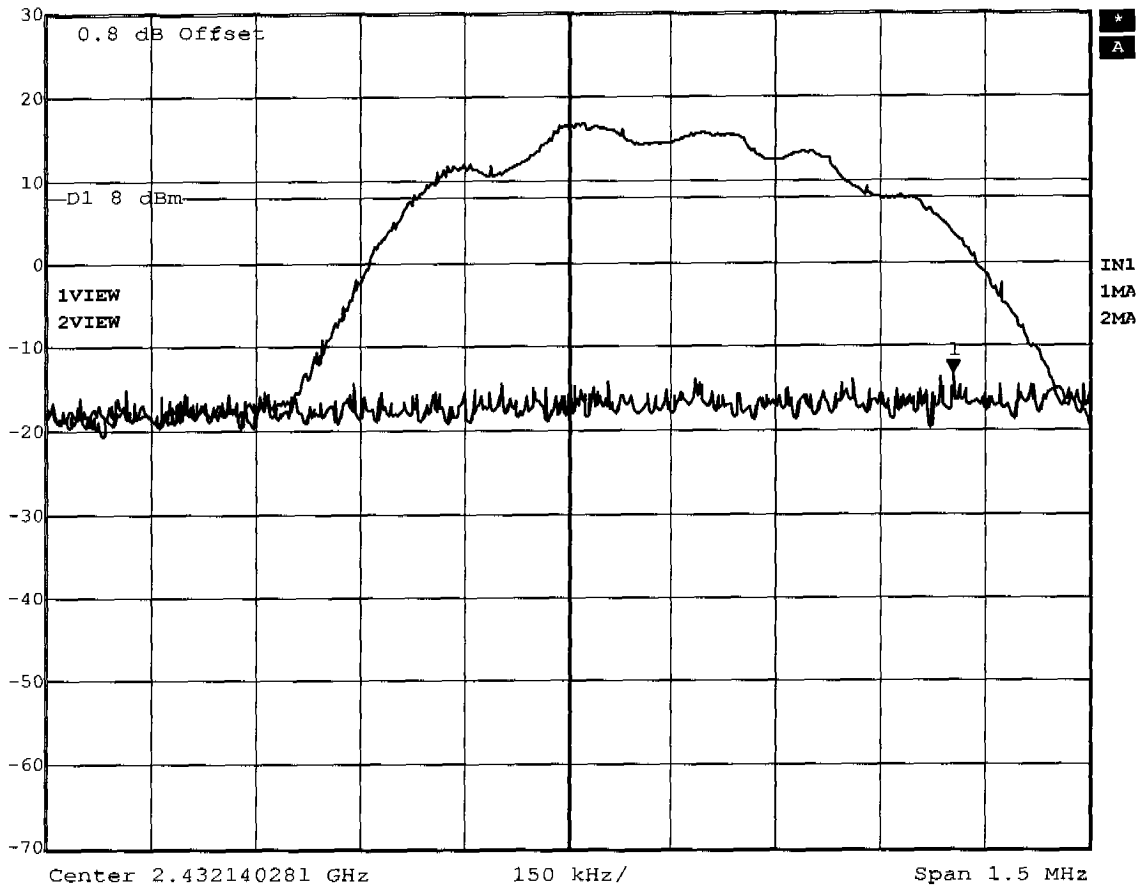
Marker 1 [T2] RBW 3 kHz RF Att 50 dB  
Ref Lvl -13.73 dBm VBW 100 kHz  
30 dBm 2.43921192 GHz SWT 500 s Unit dBm



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



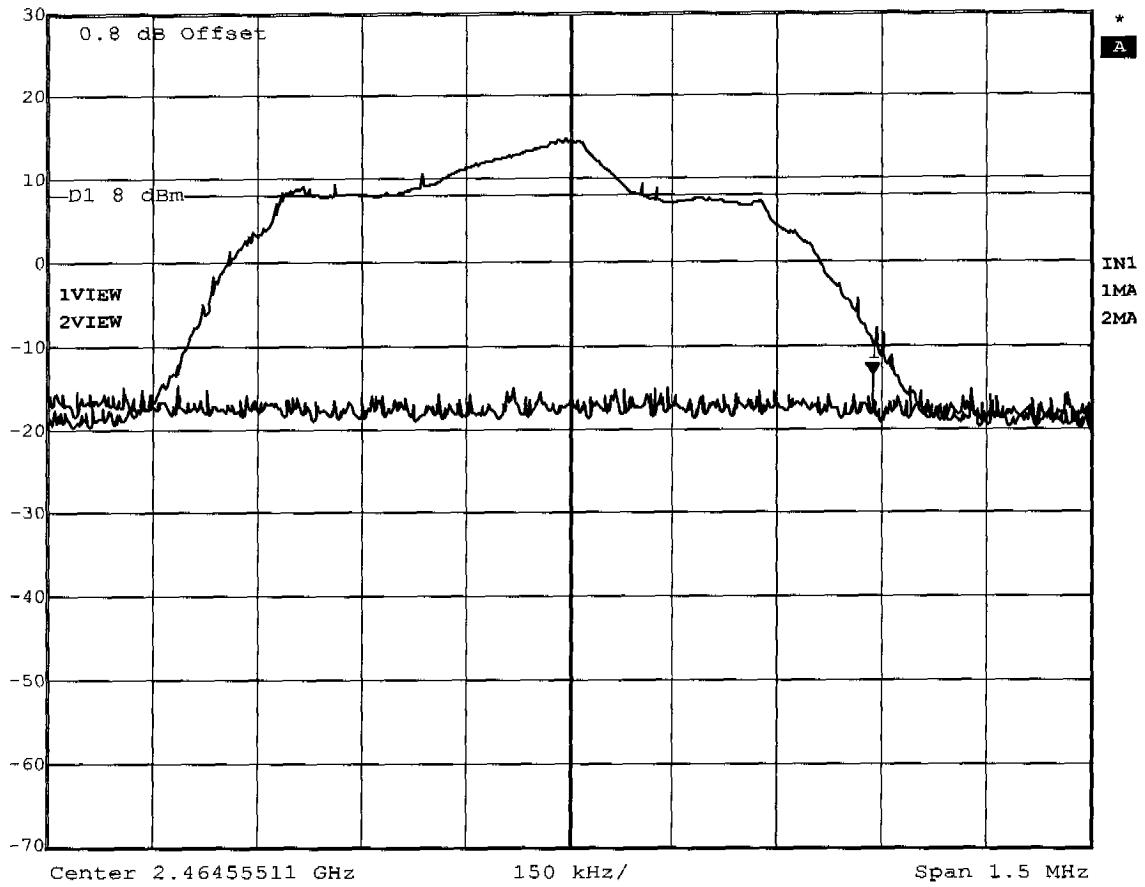
Marker 1 [T2] RBW 3 kHz RF Att 50 dB  
Ref Lvl -13.27 dBm VEW 100 kHz  
30 dBm 2.43269489 GHz SWF 500 s Unit dBm



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



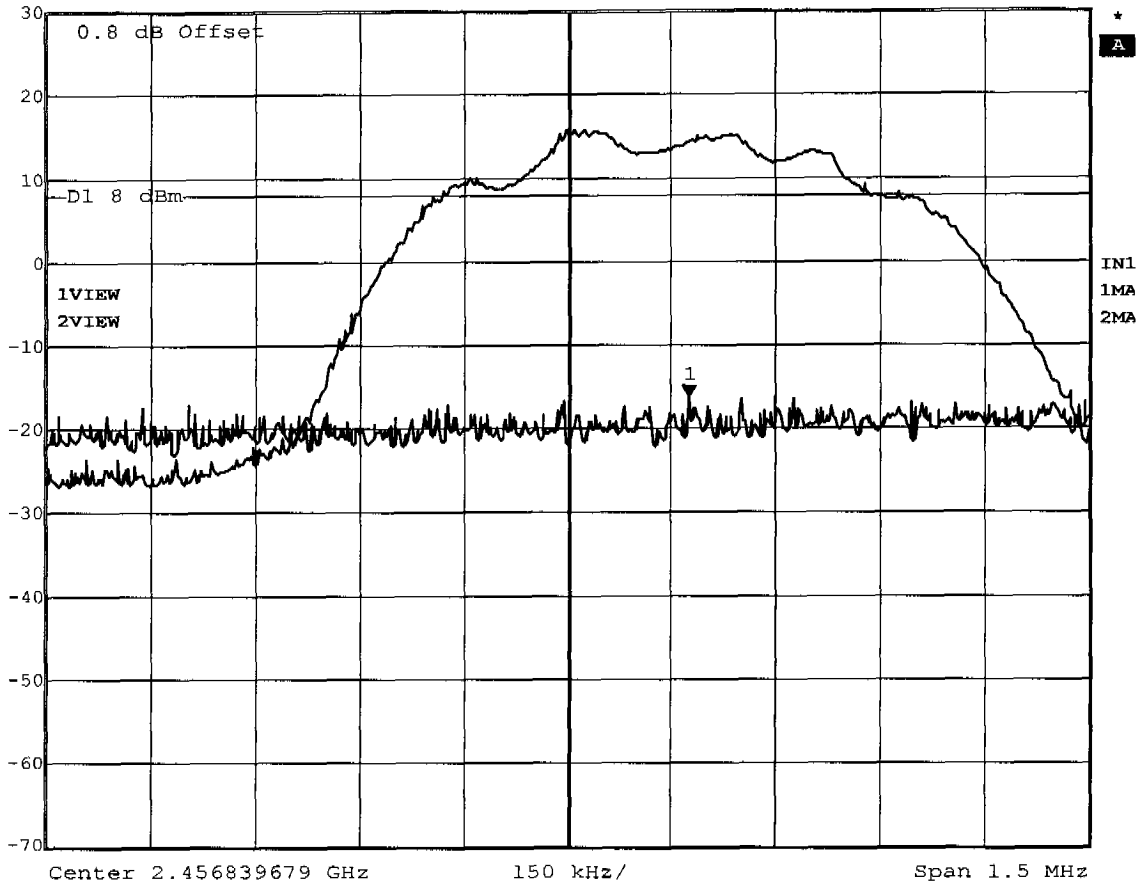
Marker 1 [T2] RBW 3 kHz RF Att 50 dB  
Ref Lvl -13.71 dBm VBW 100 kHz  
30 dBm 2.46499248 GHz SWT 500 s Unit dBm



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

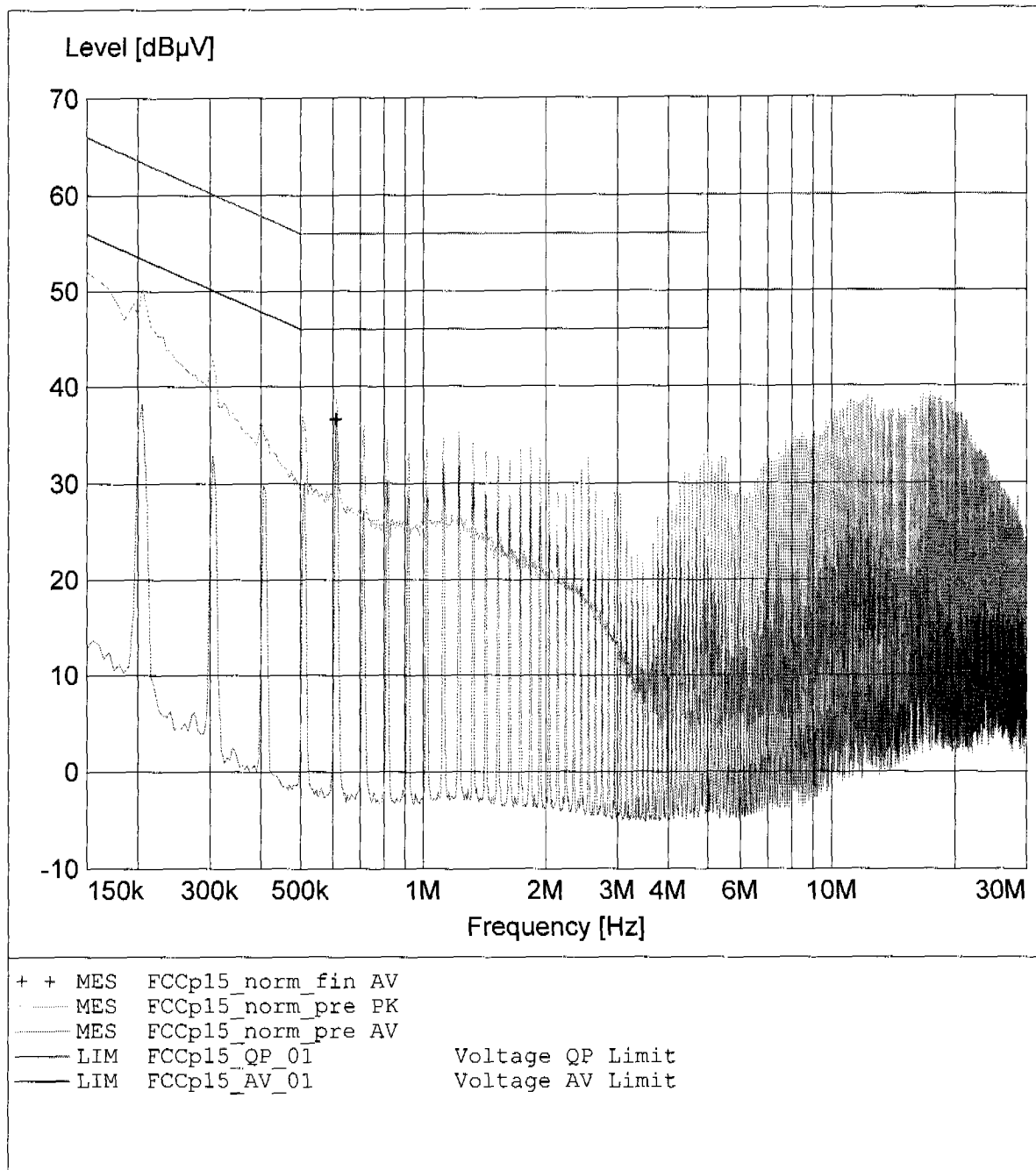


## Appendix G

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

