



Appendix D

Spurious Emissions conducted - Transmitter operating

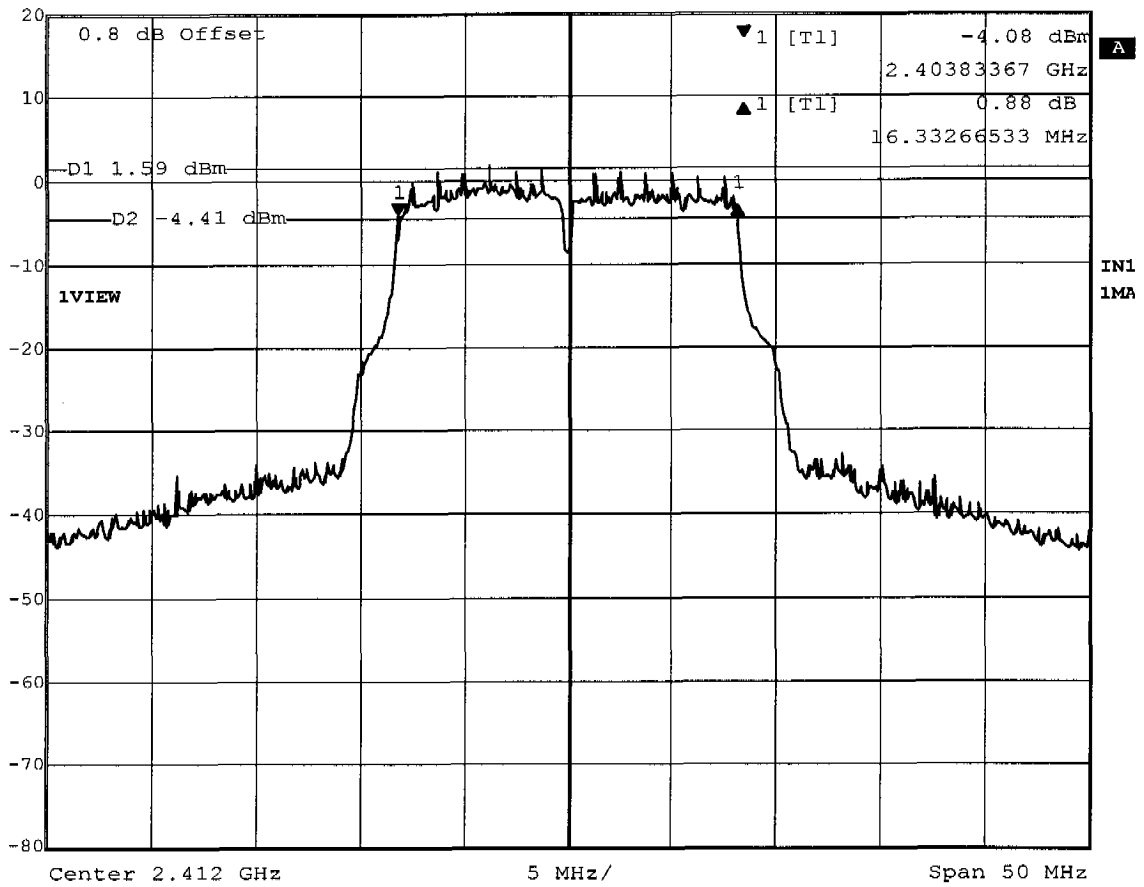


Appendix E

Maximum 6 dB Bandwidth



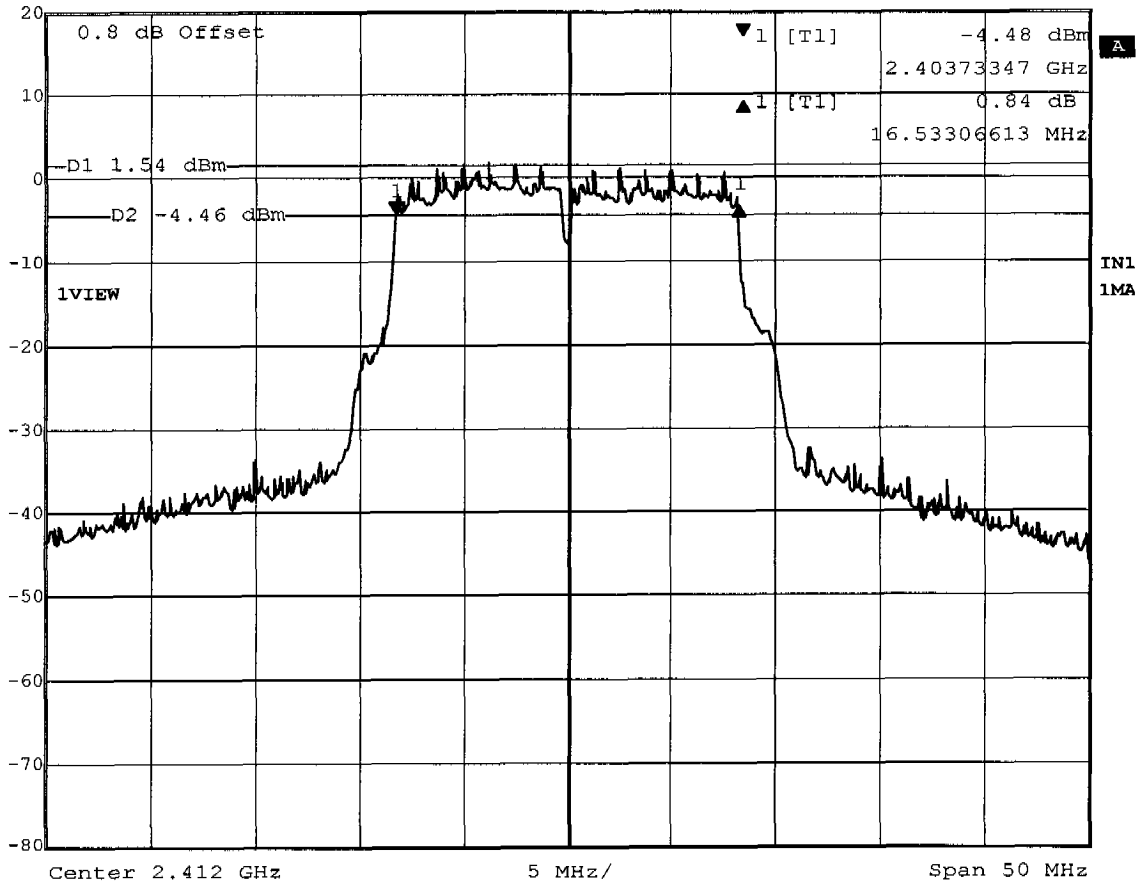
Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl 0.88 dB VBW 1 MHz
20 dBm 16.33266533 MHz SWT 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 6Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 14:04:37



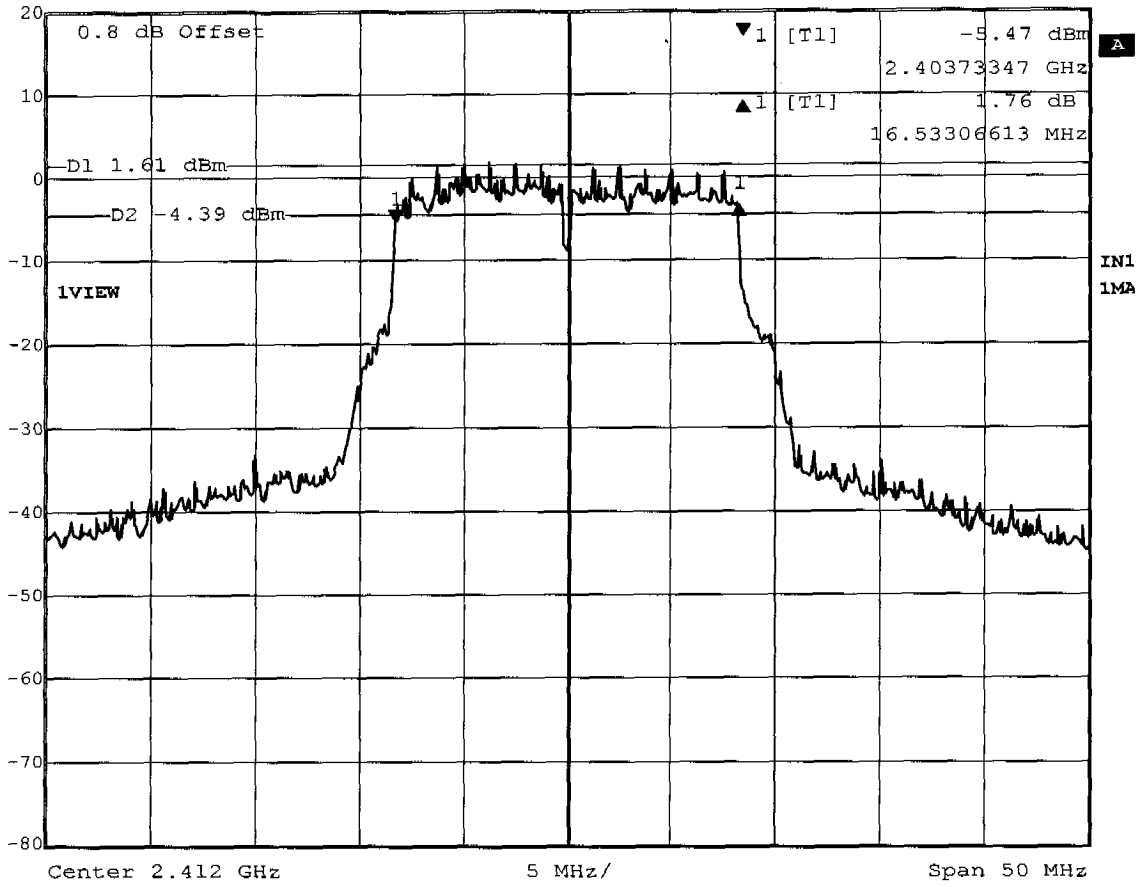
Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl 0.84 dB VBW 1 MHz
20 dBm 16.53306613 MHz SWT 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 24Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 13:55:37



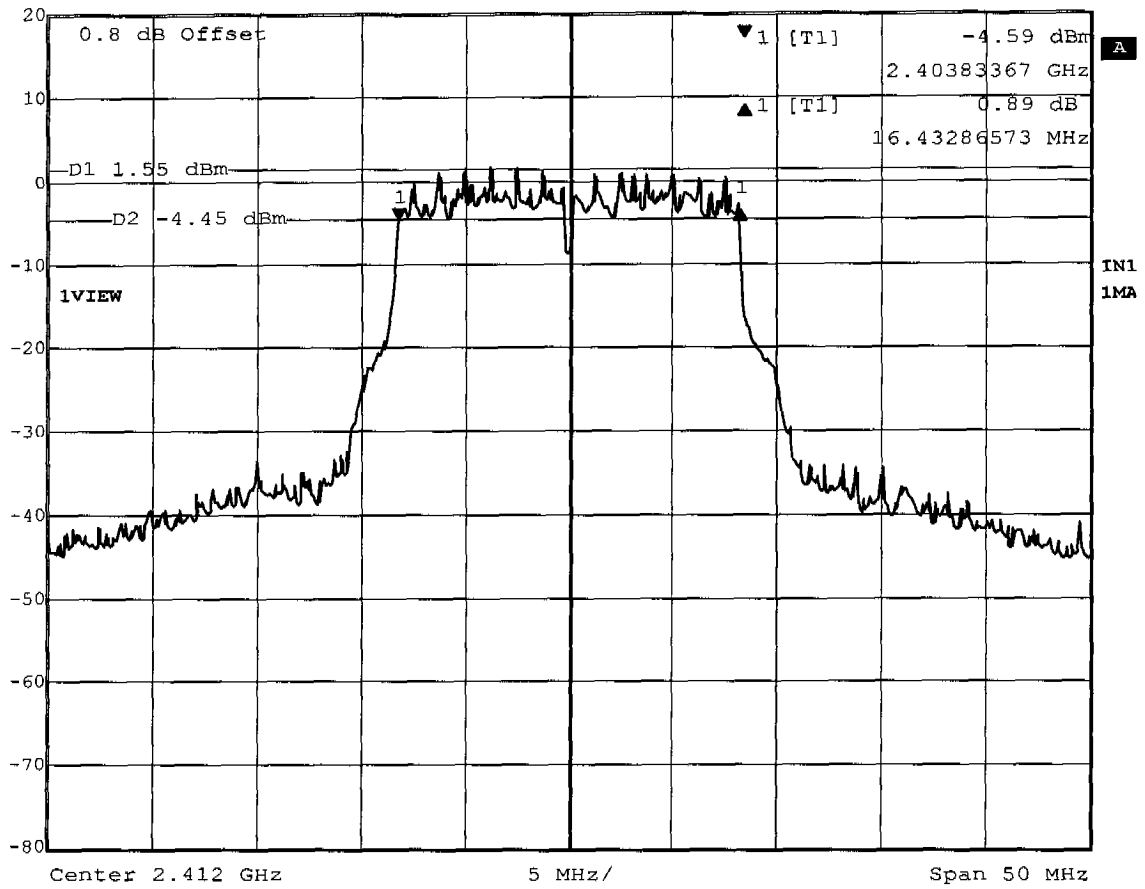
Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl 1.76 dB VBW 1 MHz
20 dBm 16.53306613 MHz SWT 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 54Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 13:32:05



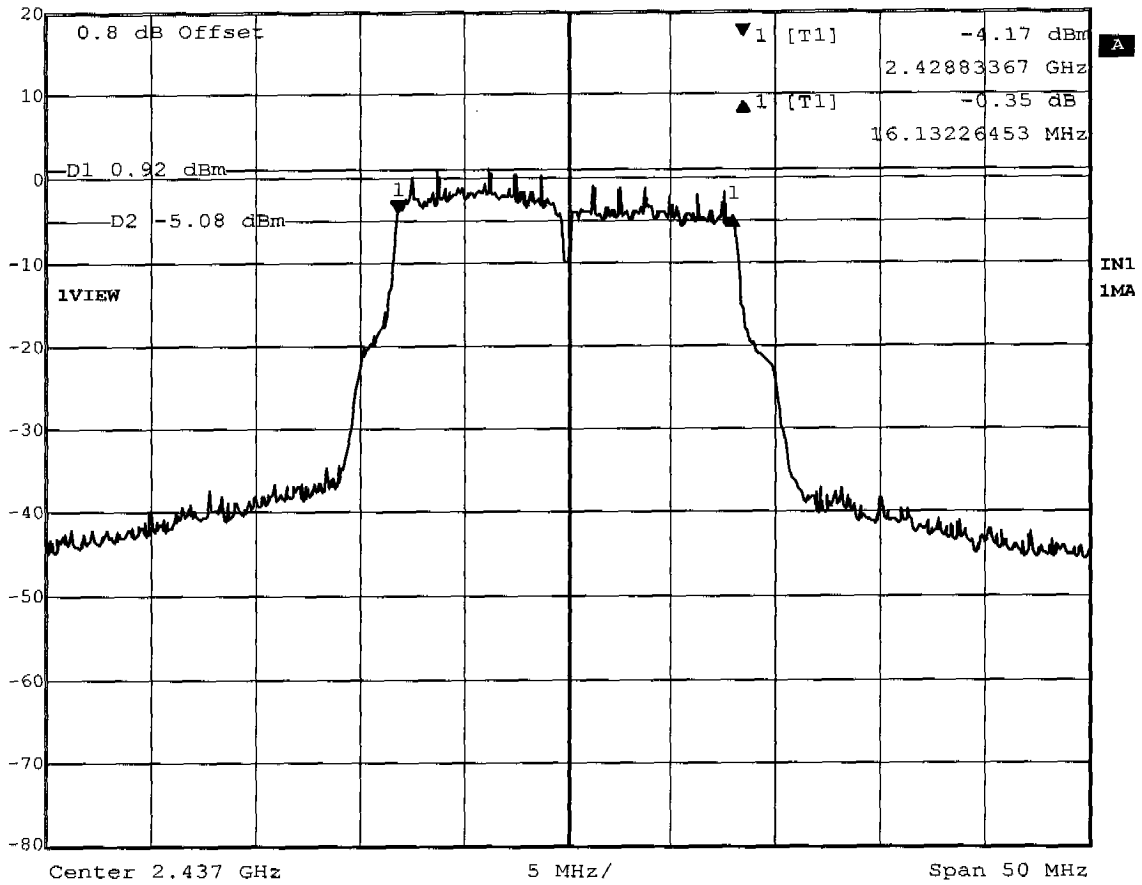
Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl 0.89 dB VEW 1 MHz
20 dBm 16.43286573 MHz SWT 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 72Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 13:47:30



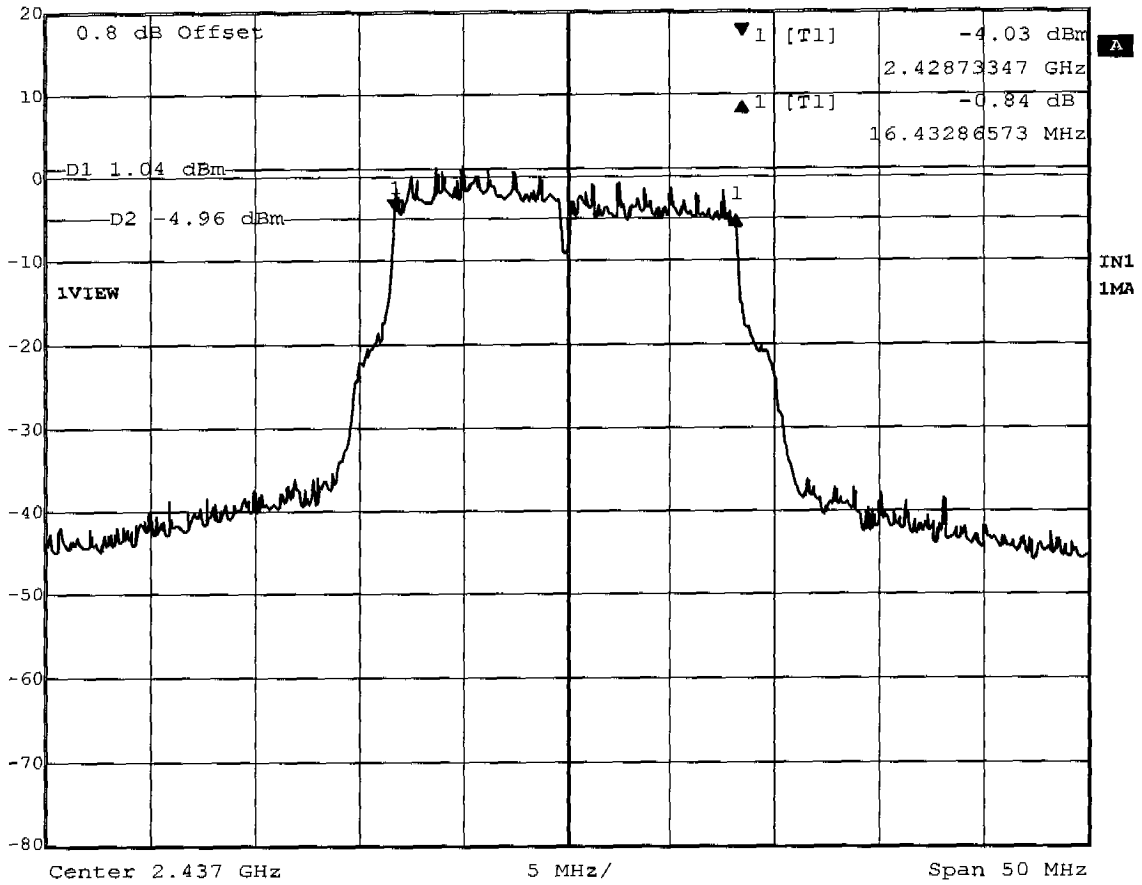
Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl -0.35 dB VBW 1 MHz
20 dBm 16.13226453 MHz SWF 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 6Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 14:03:03



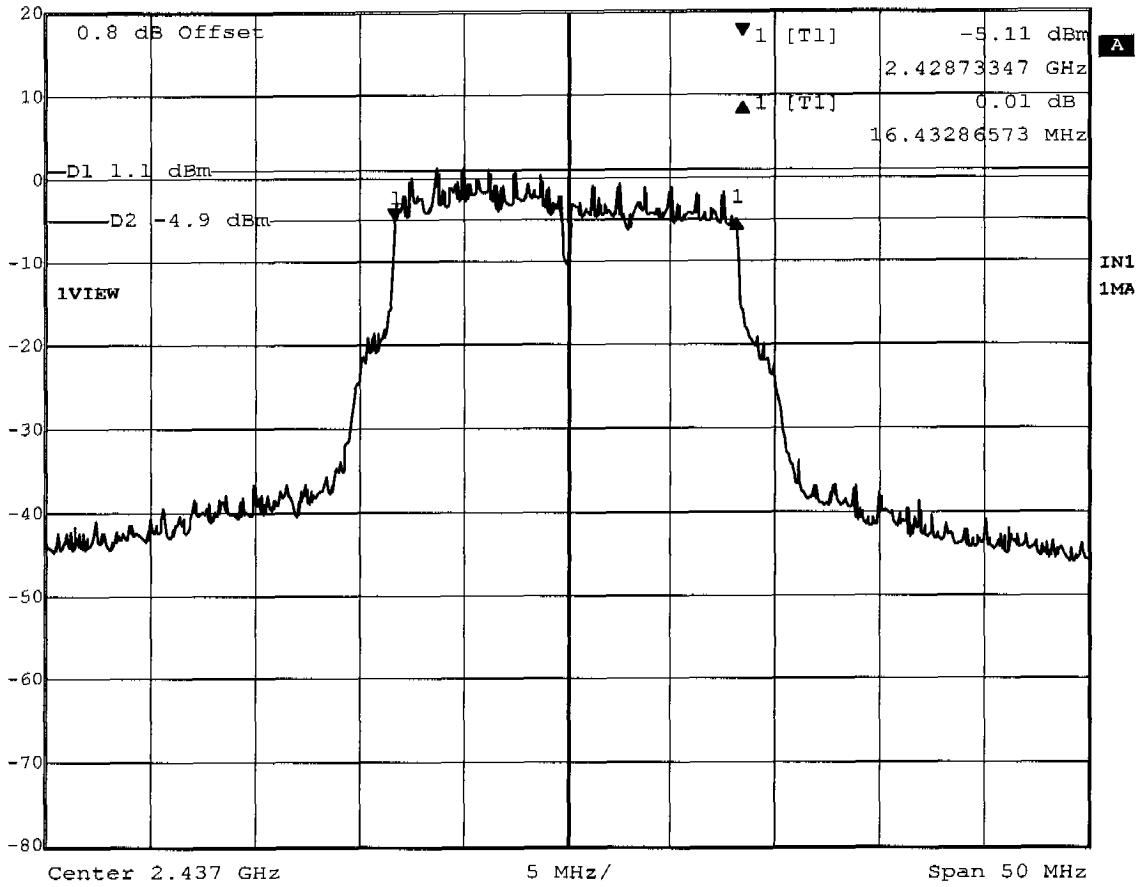
Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl -0.84 dB VBW 1 MHz
20 dBm 16.43286573 MHz SWT 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 24Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 13:56:55



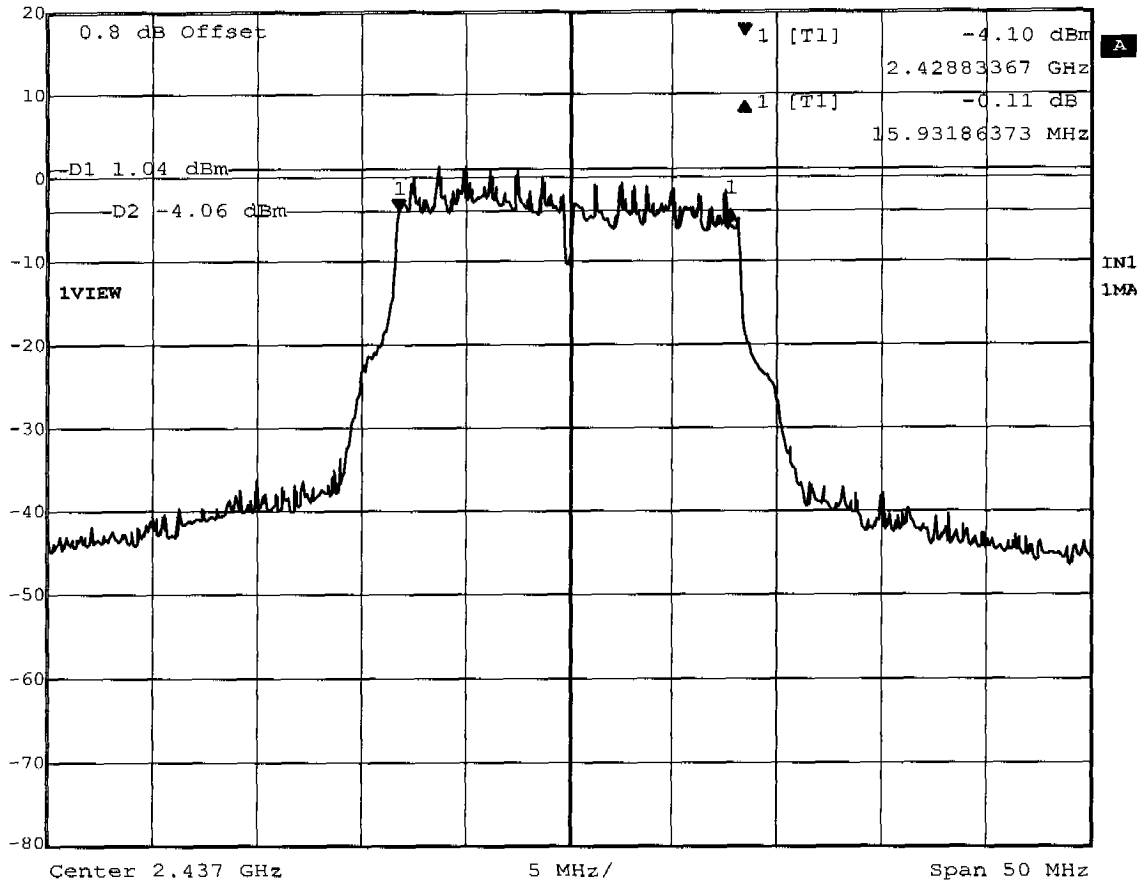
Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl 0.01 dB VBW 1 MHz
20 dBm 16.43286573 MHz SWF 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 54Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 13:33:37



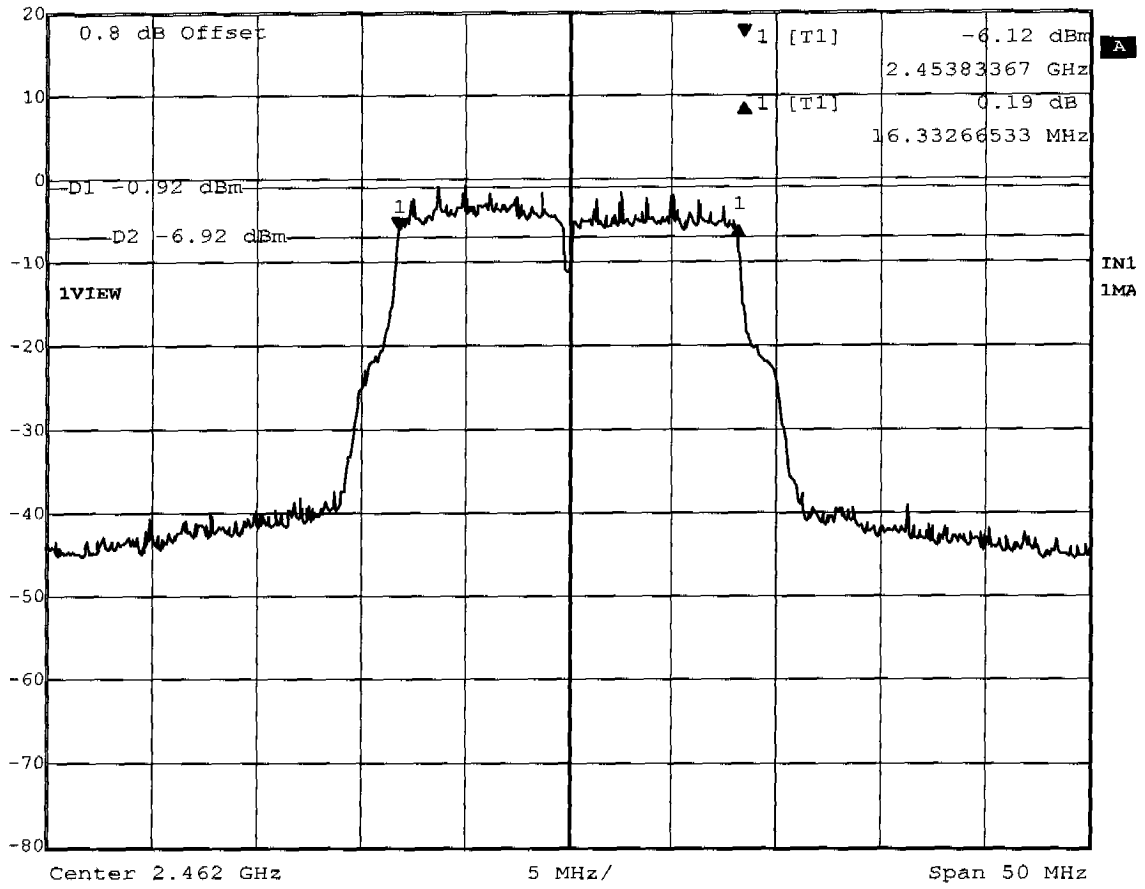
Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl -0.11 dB VBW 1 MHz
20 dBm 15.93186373 MHz SWF 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 72Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 13:46:12



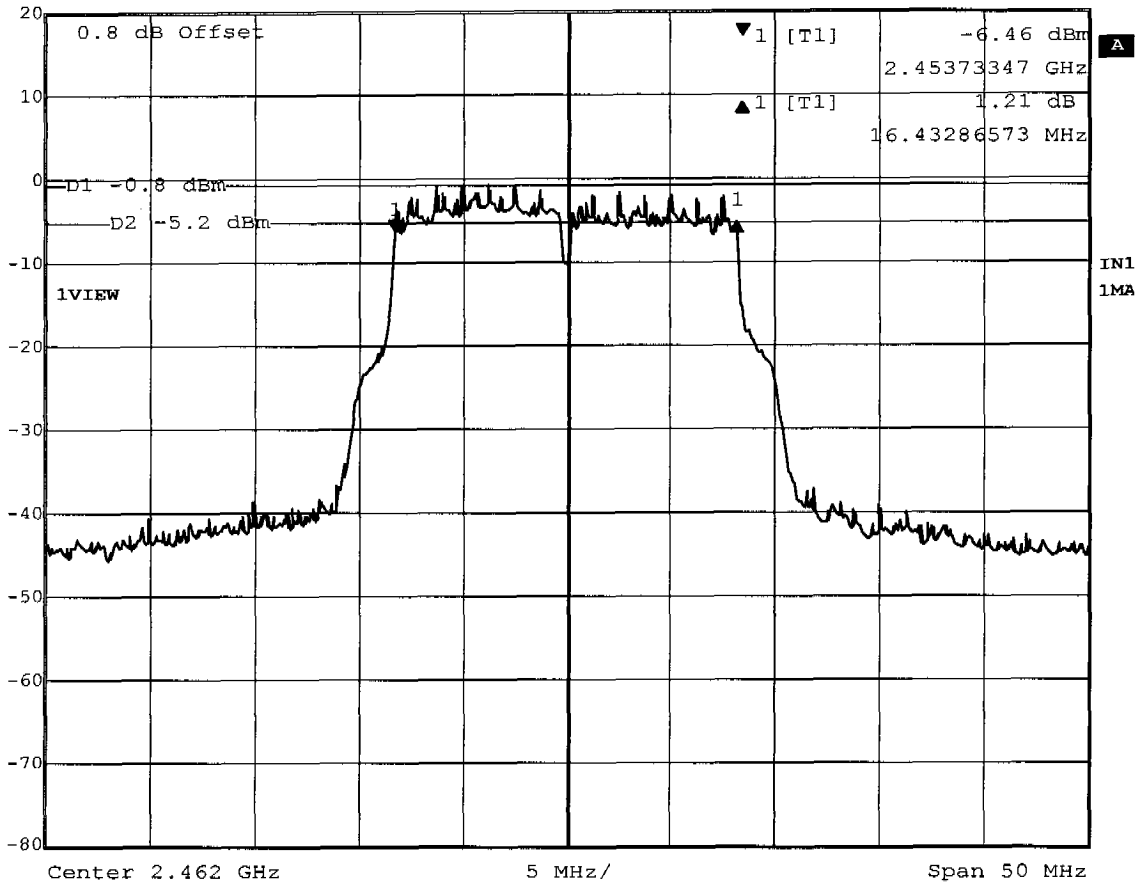
Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl 0.19 dB VBW 1 MHz
20 dBm 16.33266533 MHz SWT 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 6Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 14:00:57



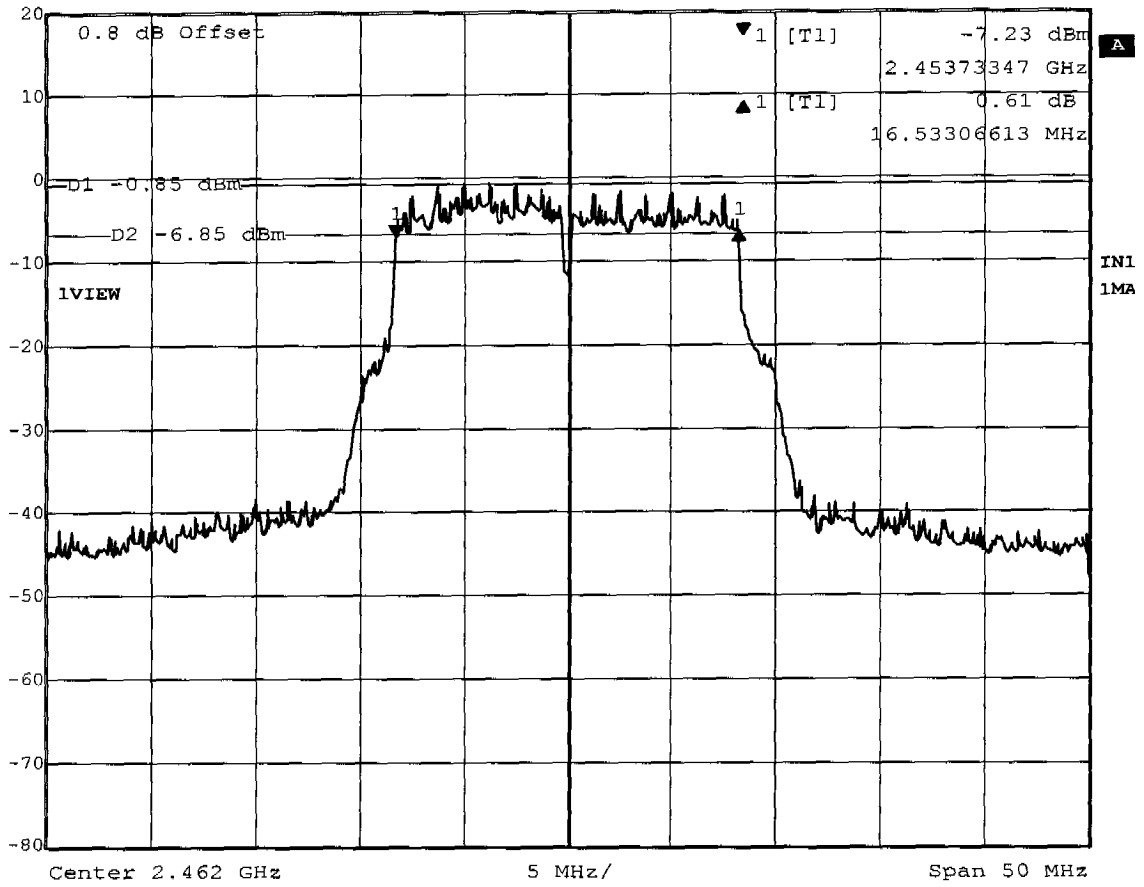
Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl 1.21 dB VBW 1 MHz
20 dBm 16.43286573 MHz SWT 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 24Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 13:58:19



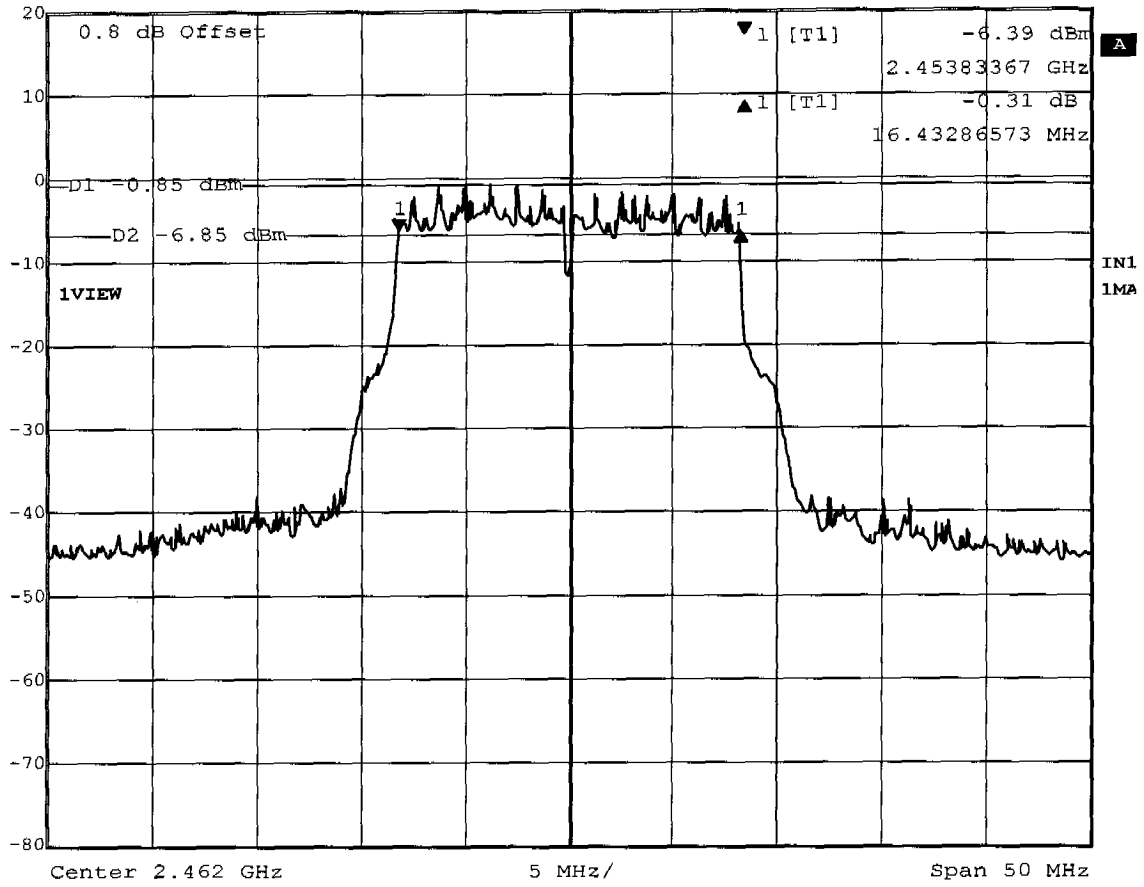
Delta 1 [T1] RBW 100 kHz RF Att 40 dB
Ref Lvl 0.61 dB VBW 1 MHz
20 dBm 16.53306613 MHz SWT 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 54Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 13:35:10



Delta 1 [T1] REW 100 kHz RF Att 40 dB
Ref Lvl -0.31 dB VBW 1 MHz
20 dBm 16.43286573 MHz SWT 12.5 ms Unit dBm



Title: Minimum 6dB Bandwidth 72Mb/s
Comment A: SAS250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 13:44:56

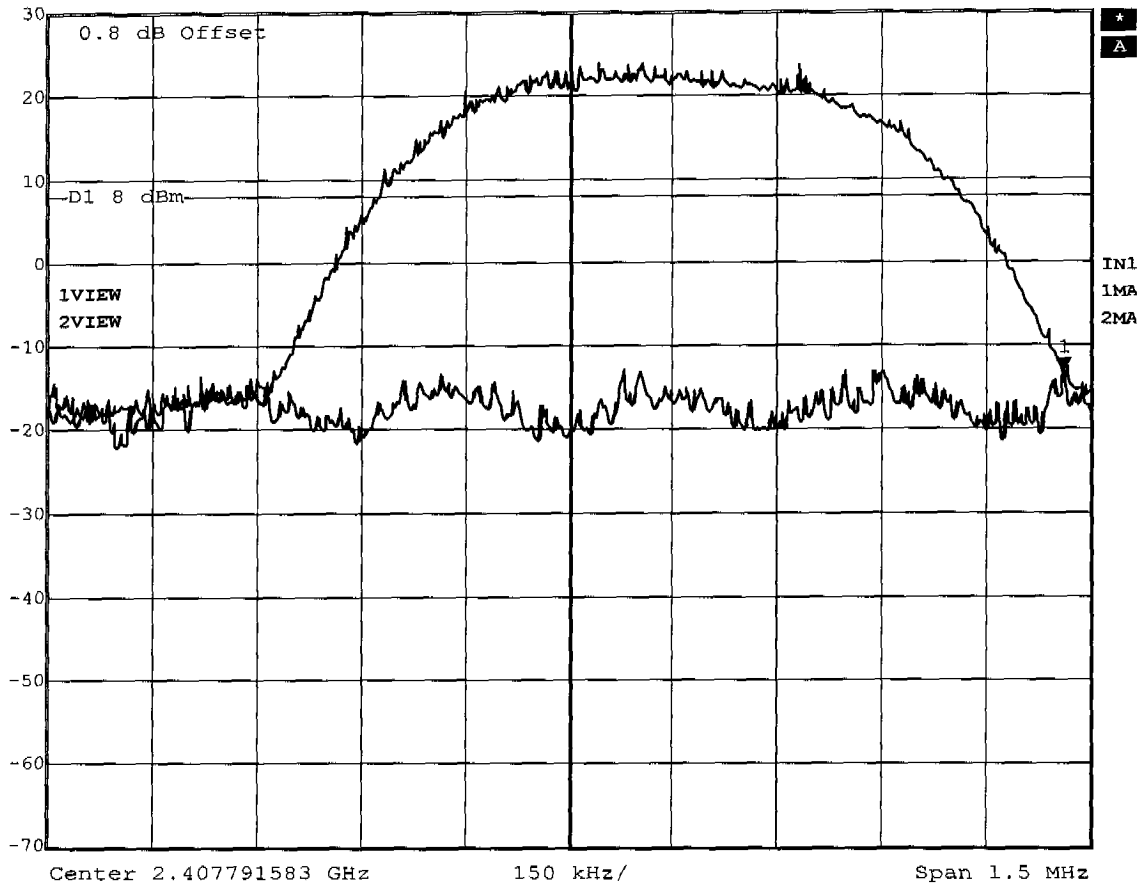


Appendix F

Peak Power Spectral Density



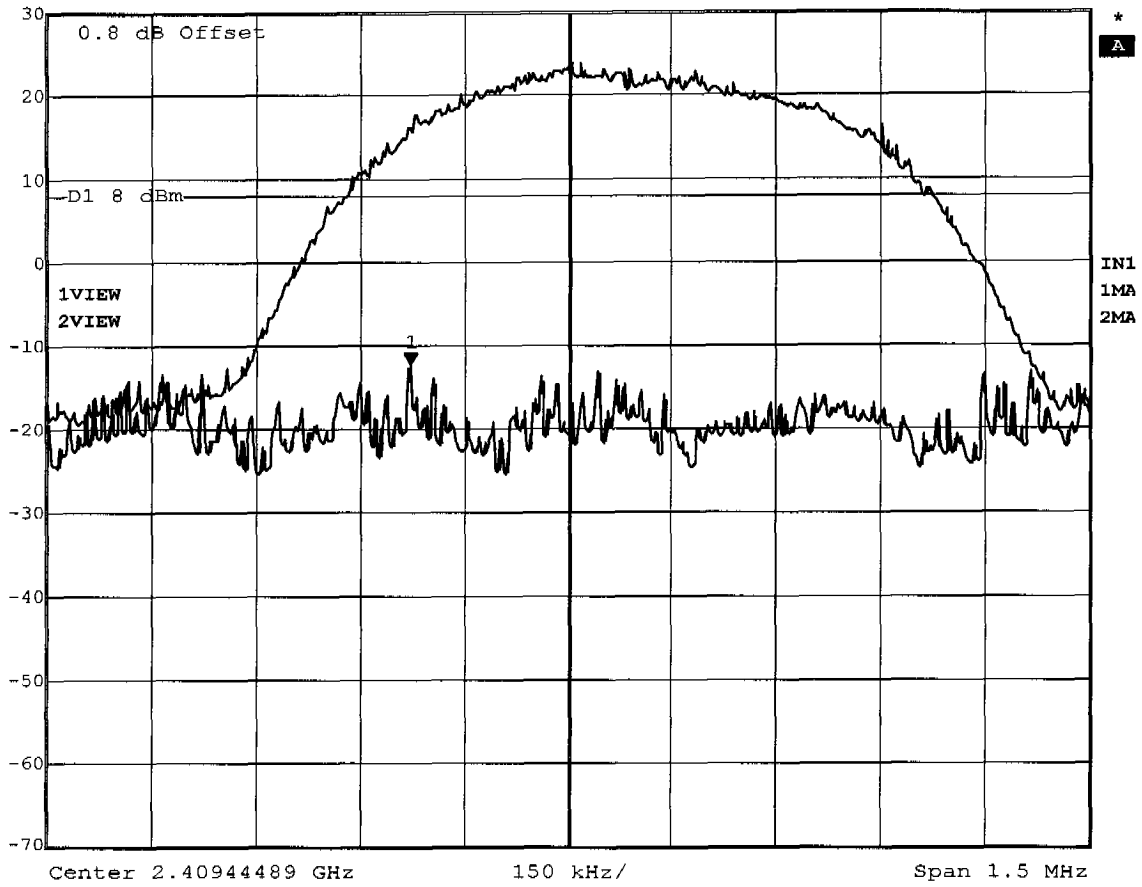
Marker 1 [T2] RBW 3 kHz RF Att 50 dB
Ref Lvl -13.08 dBm VBW 100 kHz
30 dBm 2.40850251 GHz SWF 500 s Unit dBm



Title: Power Spectral Density 6Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 14:12:55



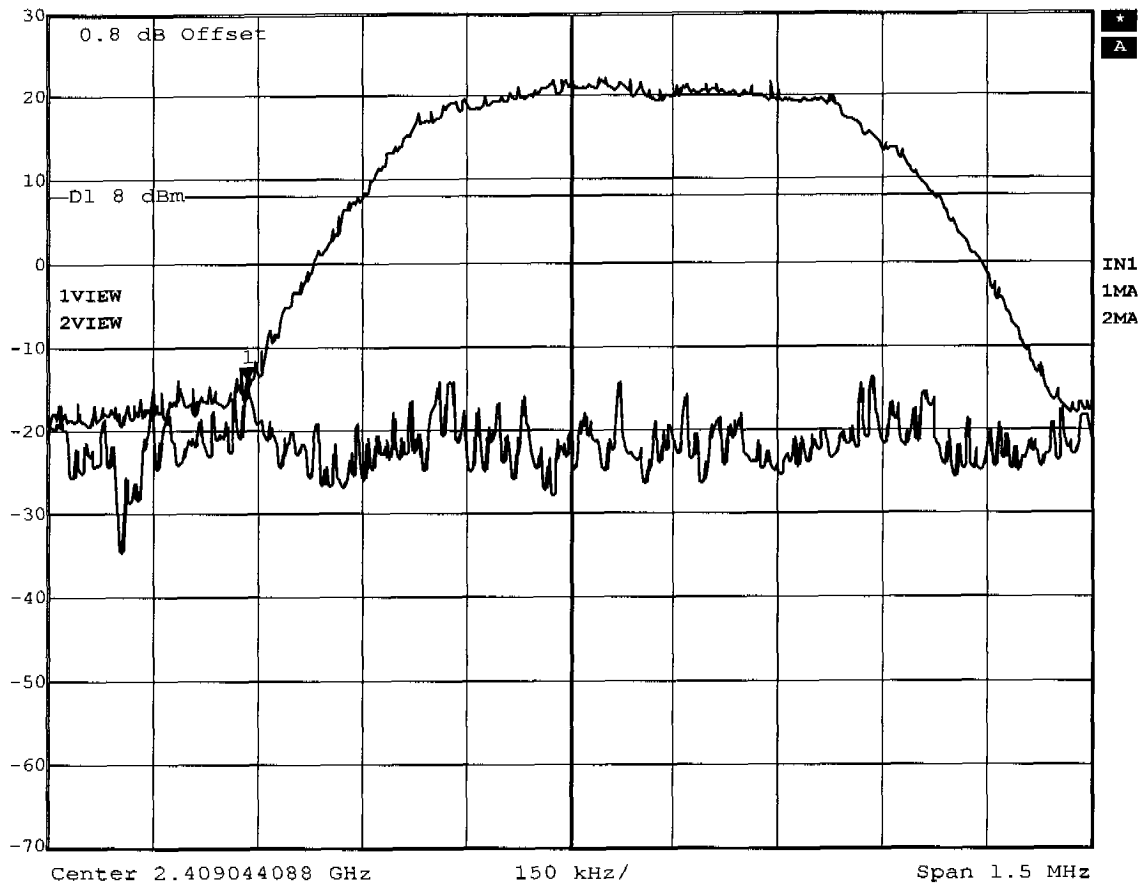
Marker 1 [T2] RBW 3 kHz RF Att 50 dB
Ref Lvl -12.30 dBm VBW 100 kHz
30 dBm 2.40921794 GHz SWT 500 s Unit dBm



Title: Power Spectral Density 24b/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 14:53:24



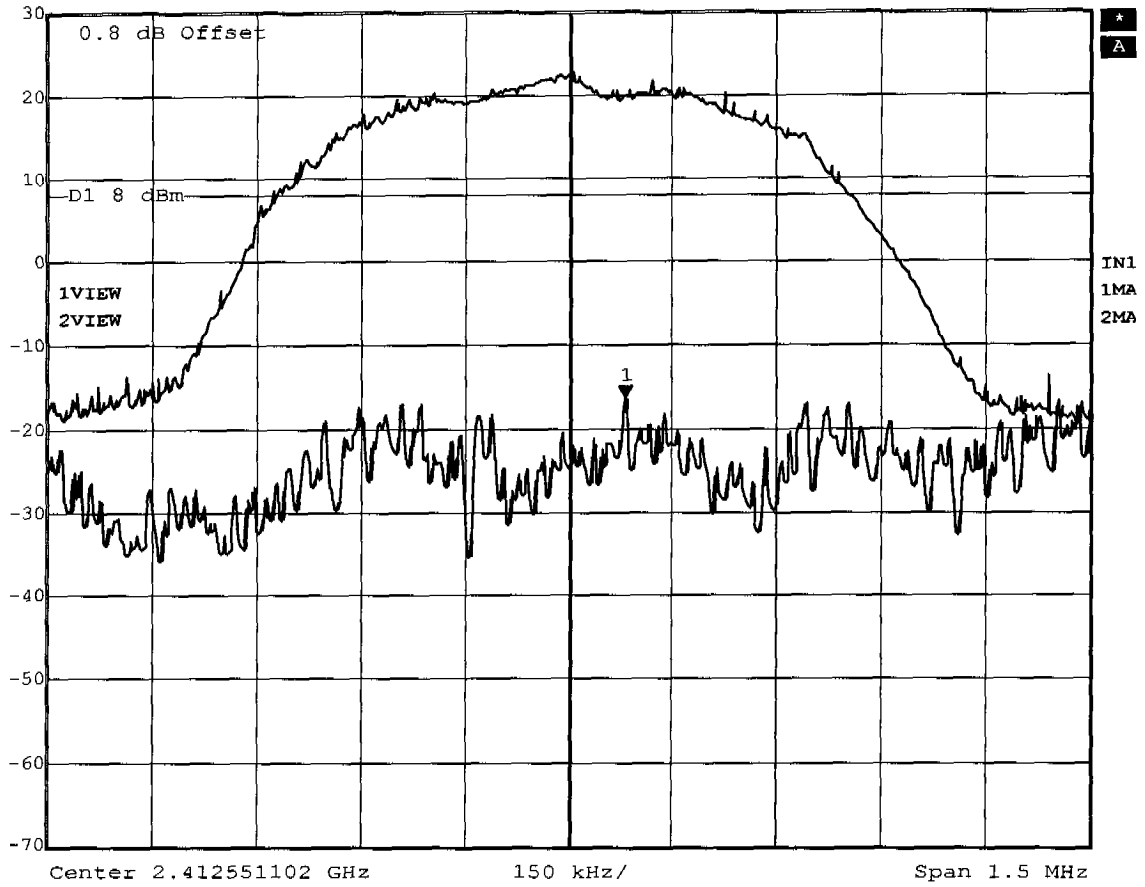
Marker 1 [T2] RBW 3 kHz RF Att 50 dB
Ref Lvl -13.88 dBm VBW 100 kHz
30 dBm 2.40857966 GHz SWT 500 s Unit dBm



Title: Power Spectral Density 54b/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 14:56:46



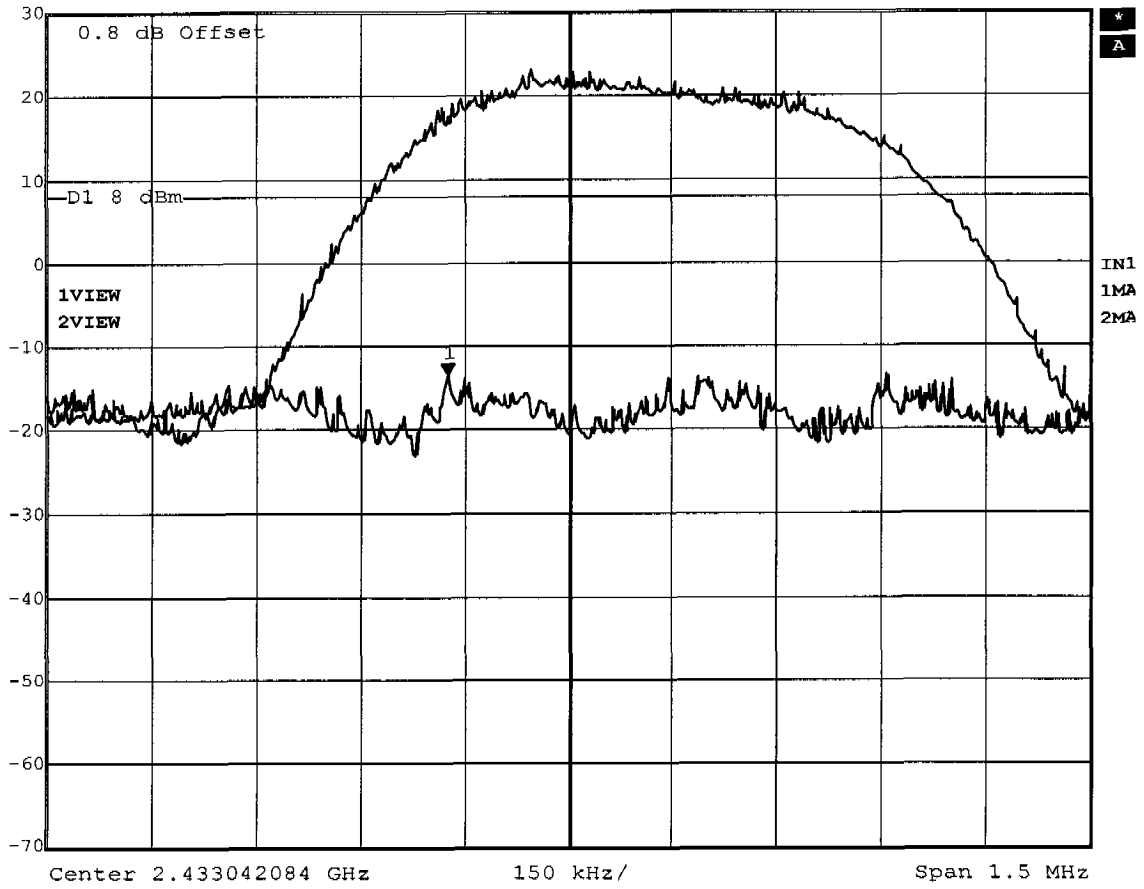
Marker 1 [T2] RBW 3 kHz RF Att 50 dB
Ref Lvl -16.42 dBm VBW 100 kHz
30 dBm 2.41263377 GHz SWT 500 s Unit dBm



Title: Power Spectral Density 72b/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 15:25:57



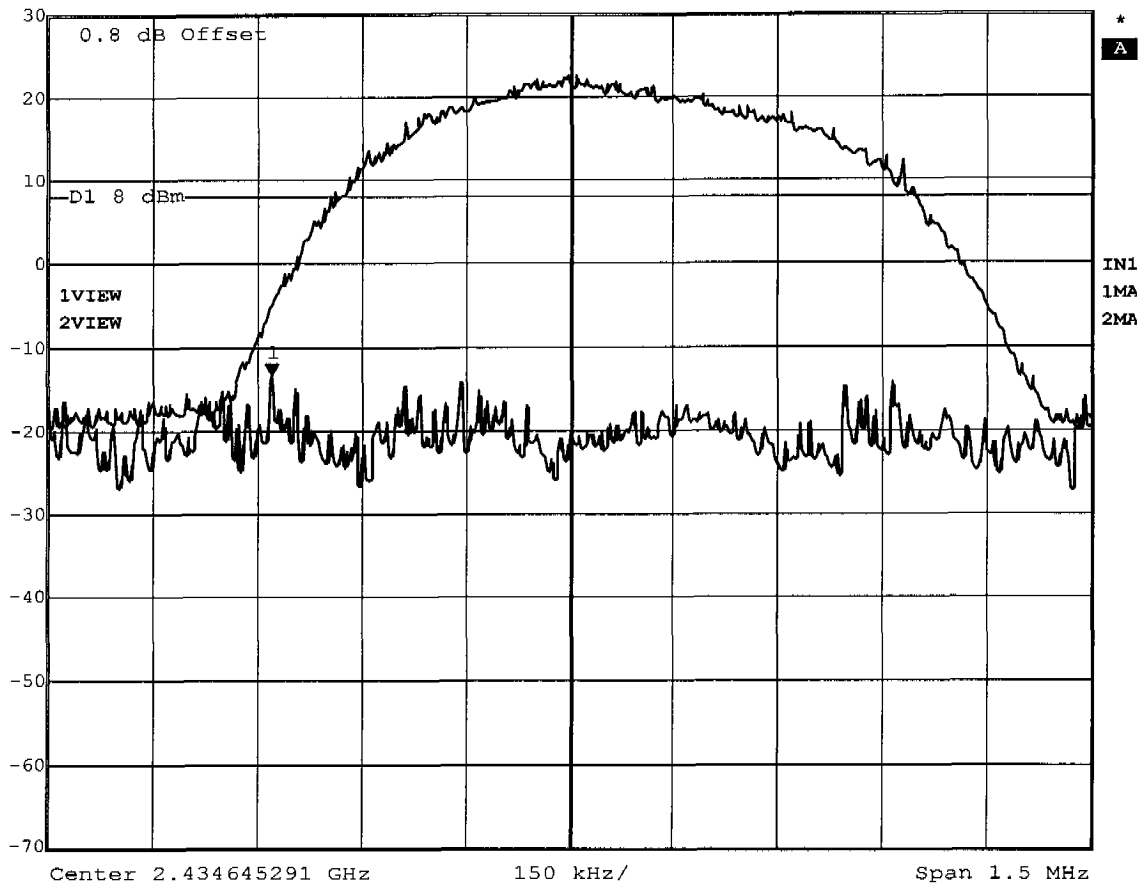
Marker 1 [T2] RBW 3 kHz RF Att 50 dB
Ref Lvl -13.74 dBm VBW 100 kHz
30 dBm 2.43286924 GHz SWT 500 s Unit dBm



Title: Power Spectral Density 6Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 14:16:11



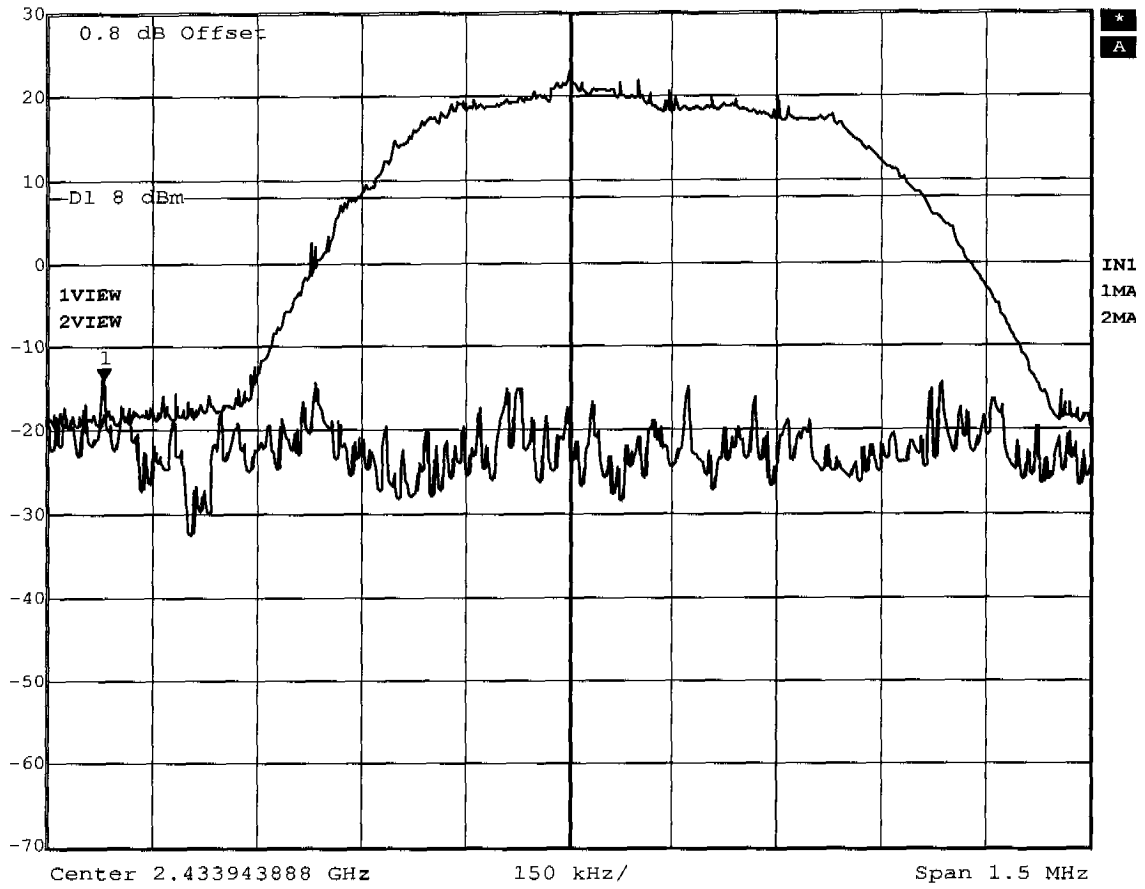
Marker 1 [T2] REW 3 kHz RF Att 50 dB
Ref Lvl -13.28 dBm VBW 100 kHz
30 dBm 2.43421693 GHz SWF 500 s Unit dBm



Title: Power Spectral Density 24b/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 14:46:47



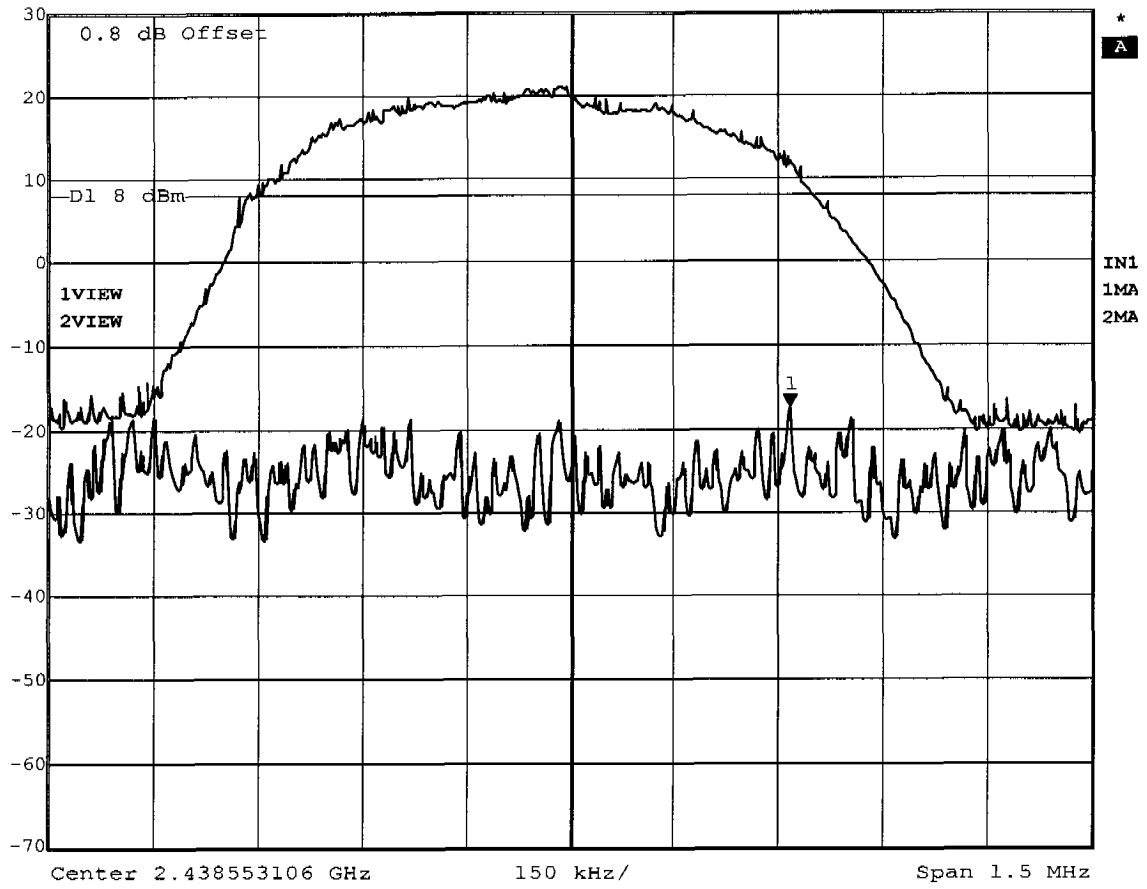
Marker 1 [T2] RBW 3 kHz RF Att 50 dB
Ref Lvl -14.05 dBm VBW 100 kHz
30 dBm 2.43327505 GHz SWT 500 s Unit dBm



Title: Power Spectral Density 54b/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 15:12:25



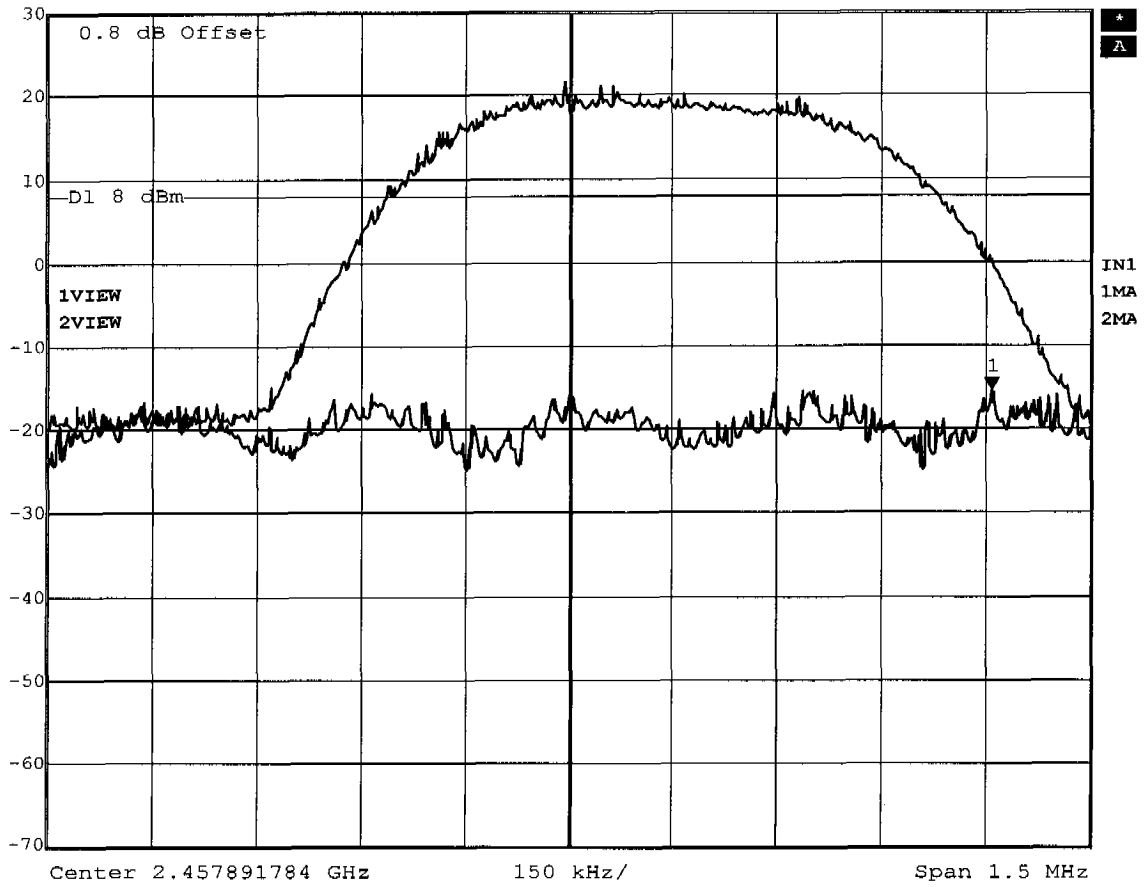
Marker 1 [T2] RBW 3 kHz RF Att 50 dB
Ref Lvl -17.30 dBm VBW 100 kHz
30 dBm 2.43887024 GHz SWT 500 s Unit dBm



Title: Power Spectral Density 72b/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 15:24:16



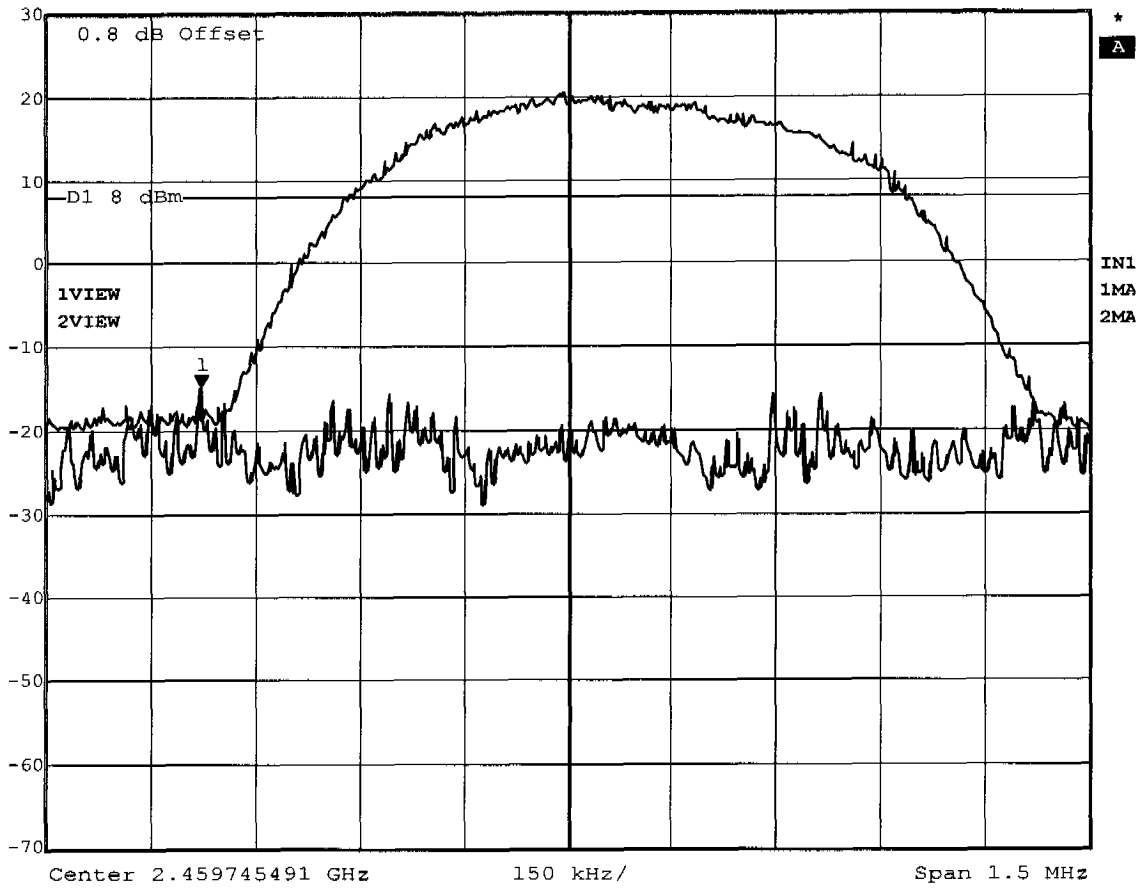
Marker 1 [T2] RBW 3 kHz RF Att 50 dB
Ref Lvl -15.43 dBm VBW 100 kHz
30 dBm 2.45850050 GHz SWT 500 s Unit dBm



Title: Power Spectral Density 6Mb/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 14:42:33



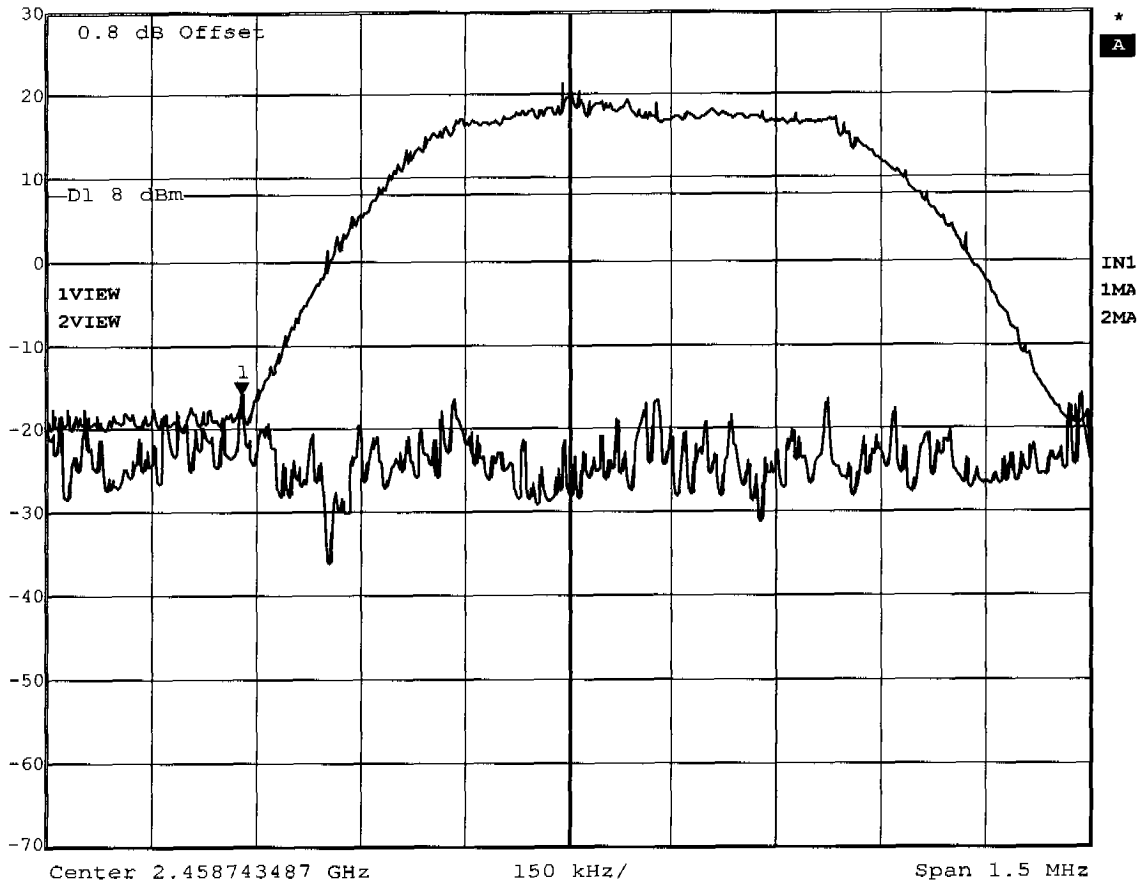
Marker 1 [T2] RBW 3 kHz RF Att 50 dB
Ref Lvl -14.97 dBm VBW 100 kHz
30 dBm 2.45921794 GHz SWT 500 s Unit dBm



Title: Power Spectral Density 24b/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 14:44:48



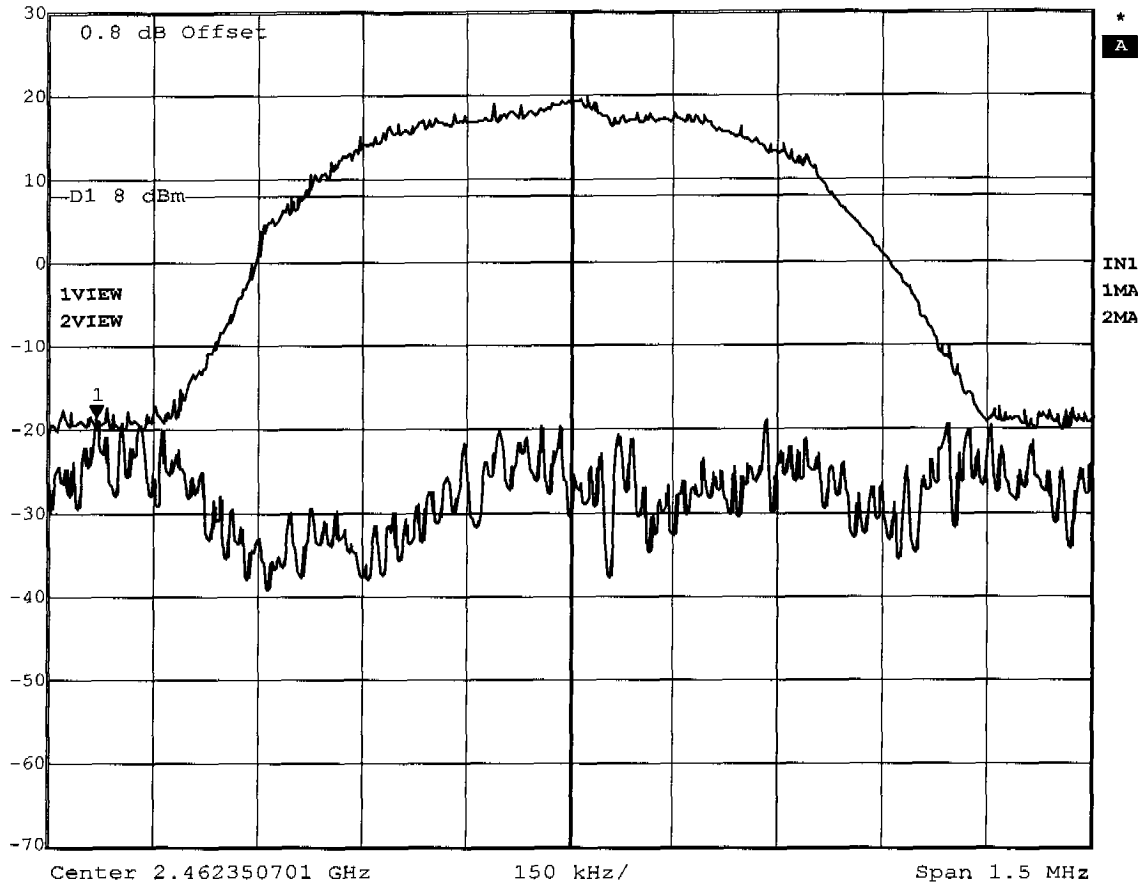
Marker 1 [T2] RBW 3 kHz RF Att 50 dB
Ref Lvl -15.79 dBm VBW 100 kHz
30 dBm 2.45827305 GHz SWT 10 s Unit dBm



Title: Power Spectral Density 54b/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 15:15:33



Marker 1 [T2] RBW 3 kHz RF Att 50 dB
Ref Lvl -18.60 dBm VBW 100 kHz
30 dBm 2.46166984 GHz SWT 500 s Unit dBm



Title: Power Spectral Density 72b/s
Comment A: SA5250/1 802.11a/b/g Mini PCI
Date: 4.DEC.2003 15:22:24

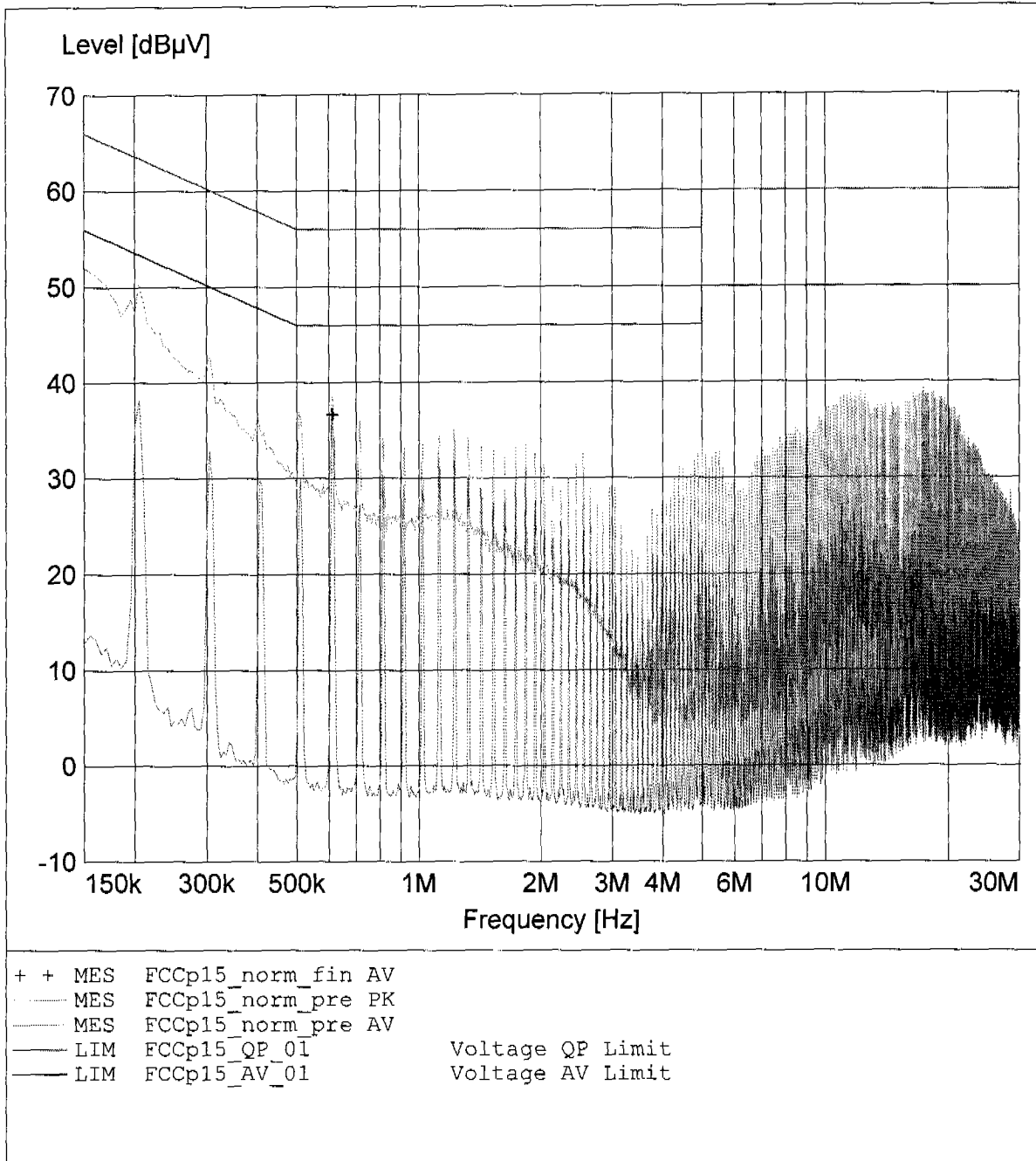


Appendix G

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

