# APPENDIX E

# *DATA SHEETS*

# *RADIATED EMISSIONS*

# *DATA SHEETS*

**FCC Subpart E**

Intel Corporation — Date: 07/01/04

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter — Lab: B

Model: WM3B2915ABG — Tested By: Kyle Fujimoto

Configuration: Hewlett Packard Series PP3006 Tablet Computer

**Channel 36 - UNII Mode** **Transmit Mode**

Gain : 7.5 Peak Power: 16.72 dBm Avg. Power: 10.25 dBm

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 10360 | 44.51 | V | 88.3 | -43.79 | Peak | 2.67 | 90 | |
| 10360 | 32.14 | V | 68.3 | -36.16 | Avg | 2.67 | 90 | |
| | | | | | | | | |
| 15540 | 53.45 | V | 74 | -20.55 | Peak | 2.67 | 315 | |
| 15540 | 41.86 | V | 54 | -12.14 | Avg | 2.67 | 315 | |
| | | | | | | | | |
| 20720 | | V | 74 | -74 | Peak | | | No Emissions |
| 20720 | | V | 54 | -54 | Avg | | | Detected |
| | | | | | | | | |
| 25900 | | V | 88.3 | -88.3 | Peak | | | No Emissions |
| 25900 | | V | 68.3 | -68.3 | Avg | | | Detected |
| | | | | | | | | |
| 31080 | | V | 74 | -74 | Peak | | | No Emissions |
| 31080 | | V | 54 | -54 | Avg | | | Detected |
| | | | | | | | | |
| 36260 | | V | 88.3 | -88.3 | Peak | | | No Emissions |
| 36260 | | V | 68.3 | -68.3 | Avg | | | Detected |
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**FCC Subpart E**
Intel Corporation Date: 07/01/04
Intel Mini PCI Type 802.11ABG Wireless LAN Adapter Lab: B
Model: WM3B2915ABG Tested By: Kyle Fujimoto
Configuration: Hewlett Packard Series PP3006 Tablet Computer

**Channel 36 - UNII Mode** **Transmit Mode**
Gain : 7.5 Peak Power: 16.72 dBm Avg. Power: 10.25 dBm

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 10360 | 46.61 | H | 88.3 | -41.69 | Peak | 347.8 | 270 | |
| 10360 | 32.7 | H | 68.3 | -35.6 | Avg | 347.8 | 270 | |
| | | | | | | | | |
| 15540 | 55.18 | H | 74 | -18.82 | Peak | 239.4 | 225 | |
| 15540 | 42.49 | H | 54 | -11.51 | Avg | 239.4 | 225 | |
| | | | | | | | | |
| 20720 | | H | 74 | -74 | Peak | | | No Emissions |
| 20720 | | H | 54 | -54 | Avg | | | Detected |
| | | | | | | | | |
| 25900 | | H | 88.3 | -88.3 | Peak | | | No Emissions |
| 25900 | | H | 68.3 | -68.3 | Avg | | | Detected |
| | | | | | | | | |
| 31080 | | H | 74 | -74 | Peak | | | No Emissions |
| 31080 | | H | 54 | -54 | Avg | | | Detected |
| | | | | | | | | |
| 36260 | | H | 88.3 | -88.3 | Peak | | | No Emissions |
| 36260 | | H | 68.3 | -68.3 | Avg | | | Detected |
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**FCC Subpart E**

Intel Corporation — Date: 07/01/04
Intel Mini PCI Type 802.11ABG Wireless LAN Adapter — Lab: B
Model: WM3B2915ABG — Tested By: Kyle Fujimoto
Configuration: Hewlett Packard Series PP3006 Tablet Computer

**Channel 48 - UNII Mode** **Transmit Mode**
Gain : 10.0 Peak Power: 16.78 dBm Avg. Power: 10.35 dBm

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 10480 | 46.28 | V | 88.3 | -42.02 | Peak | 2.45 | 0 | |
| 10480 | 32.84 | V | 68.3 | -35.46 | Avg | 2.45 | 0 | |
| | | | | | | | | |
| 15720 | 53.19 | V | 74 | -20.81 | Peak | 322.7 | 270 | |
| 15720 | 40.1 | V | 54 | -13.9 | Avg | 322.7 | 270 | |
| | | | | | | | | |
| 20960 | | V | 74 | -74 | Peak | | | No Emissions |
| 20960 | | V | 54 | -54 | Avg | | | Detected |
| | | | | | | | | |
| 26200 | | V | 88.3 | -88.3 | Peak | | | No Emissions |
| 26200 | | V | 68.3 | -68.3 | Avg | | | Detected |
| | | | | | | | | |
| 31440 | | V | 74 | -74 | Peak | | | No Emissions |
| 31440 | | V | 54 | -54 | Avg | | | Detected |
| | | | | | | | | |
| 36680 | | V | 88.3 | -88.3 | Peak | | | No Emissions |
| 36680 | | V | 68.3 | -68.3 | Avg | | | Detected |
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**FCC Subpart E**

Intel Corporation — Date: 07/01/04
Intel Mini PCI Type 802.11ABG Wireless LAN Adapter — Lab: B
Model: WM3B2915ABG — Tested By: Kyle Fujimoto
Configuration: Hewlett Packard Series PP3006 Tablet Computer

**Channel 48 - UNII Mode** **Transmit Mode**
Gain : 10.0 Peak Power: 16.78 dBm Avg. Power: 10.35 dBm

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 10480 | 46.48 | H | 88.3 | -41.82 | Peak | 2.97 | 270 | |
| 10480 | 33.48 | H | 68.3 | -34.82 | Avg | 2.97 | 270 | |
| | | | | | | | | |
| 15720 | 55.43 | H | 74 | -18.57 | Peak | 179.9 | 270 | |
| 15720 | 40.6 | H | 54 | -13.4 | Avg | 179.9 | 270 | |
| | | | | | | | | |
| 20960 | | H | 74 | -74 | Peak | | | No Emissions |
| 20960 | | H | 54 | -54 | Avg | | | Detected |
| | | | | | | | | |
| 26200 | | H | 88.3 | -88.3 | Peak | | | No Emissions |
| 26200 | | H | 68.3 | -68.3 | Avg | | | Detected |
| | | | | | | | | |
| 31440 | | H | 74 | -74 | Peak | | | No Emissions |
| 31440 | | H | 54 | -54 | Avg | | | Detected |
| | | | | | | | | |
| 36680 | | H | 88.3 | -88.3 | Peak | | | No Emissions |
| 36680 | | H | 68.3 | -68.3 | Avg | | | Detected |
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**FCC Subpart E**

Intel Corporation — Date: 07/01/04
Intel Mini PCI Type 802.11ABG Wireless LAN Adapter — Lab: B
Model: WM3B2915ABG — Tested By: Kyle Fujimoto
Configuration: Hewlett Packard Series PP3006 Tablet Computer

**Channel 52 - UNII Mode** **Transmit Mode**
Gain : 14.5 Peak Power: 21.14 dBm Avg. Power: 15.25 dBm

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 10520 | 46.76 | V | 88.3 | -41.54 | Peak | 1.98 | 90 | |
| 10520 | 34.91 | V | 68.3 | -33.39 | Avg | 1.98 | 90 | |
| | | | | | | | | |
| 15780 | 51.87 | V | 74 | -22.13 | Peak | 3.05 | 225 | |
| 15780 | 39.54 | V | 54 | -14.46 | Avg | 3.05 | 225 | |
| | | | | | | | | |
| 21040 | | V | 74 | -74 | Peak | | | No Emissoins |
| 21040 | | V | 54 | -54 | Avg | | | Detected |
| | | | | | | | | |
| 26300 | | V | 88.3 | -88.3 | Peak | | | No Emissoins |
| 26300 | | V | 68.3 | -68.3 | Avg | | | Detected |
| | | | | | | | | |
| 31560 | | V | 74 | -74 | Peak | | | No Emissions |
| 31560 | | V | 54 | -54 | Avg | | | Detected |
| | | | | | | | | |
| 36820 | | V | 88.3 | -88.3 | Peak | | | No Emissions |
| 36820 | | V | 68.3 | -68.3 | Avg | | | Detected |
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**FCC Subpart E**
Intel Corporation Date: 07/01/04
Intel Mini PCI Type 802.11ABG Wireless LAN Adapter Lab: B
Model: WM3B2915ABG Tested By: Kyle Fujimoto
Configuration: Hewlett Packard Series PP3006 Tablet Computer

**Channel 52 - UNII Mode** **Transmit Mode**
Gain : 14.5 Peak Power: 21.14 dBm Avg. Power: 15.25 dBm

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 10520 | 45.95 | H | 88.3 | -42.35 | Peak | 1.99 | 0 | |
| 10520 | 34.64 | H | 68.3 | -33.66 | Avg | 1.99 | 0 | |
| | | | | | | | | |
| 15780 | 52.91 | H | 74 | -21.09 | Peak | 1.99 | 180 | |
| 15780 | 39.97 | H | 54 | -14.03 | Avg | 1.99 | 180 | |
| | | | | | | | | |
| 21040 | | H | 74 | -74 | Peak | | | No Emissions |
| 21040 | | H | 54 | -54 | Avg | | | Detected |
| | | | | | | | | |
| 26300 | | H | 88.3 | -88.3 | Peak | | | No Emissions |
| 26300 | | H | 68.3 | -68.3 | Avg | | | Detected |
| | | | | | | | | |
| 31560 | | H | 74 | -74 | Peak | | | No Emissions |
| 31560 | | H | 54 | -54 | Avg | | | Detected |
| | | | | | | | | |
| 36820 | | H | 88.3 | -88.3 | Peak | | | No Emissions |
| 36820 | | H | 68.3 | -68.3 | Avg | | | Detected |
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**FCC Subpart E**

Intel Corporation — Date: 07/01/04
Intel Mini PCI Type 802.11ABG Wireless LAN Adapter — Lab: B
Model: WM3B2915ABG — Tested By: Kyle Fujimoto
Configuration: Hewlett Packard Series PP3006 Tablet Computer

**Channel 64 - UNII Mode** **Transmit Mode**
Gain : 14.0 Peak Power: 21.15 dBm Avg. Power: 15.50 dBm

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 10640 | 45.12 | V | 74 | -28.88 | Peak | 3.04 | 90 | |
| 10640 | 32.52 | V | 54 | -21.48 | Avg | 3.04 | 90 | |
| | | | | | | | | |
| 15960 | 51.24 | V | 74 | -22.76 | Peak | 3.04 | 0 | |
| 15960 | 38.08 | V | 54 | -15.92 | Avg | 3.04 | 0 | |
| | | | | | | | | |
| 21280 | | V | 88.3 | -88.3 | Peak | | | No Emissions |
| 21280 | | V | 68.3 | -68.3 | Avg | | | Detected |
| | | | | | | | | |
| 26600 | | V | 88.3 | -88.3 | Peak | | | No Emissions |
| 26600 | | V | 68.3 | -68.3 | Avg | | | Detected |
| | | | | | | | | |
| 31920 | | V | 88.3 | -88.3 | Peak | | | No Emissions |
| 31920 | | V | 68.3 | -68.3 | Avg | | | Detected |
| | | | | | | | | |
| 37240 | | V | 88.3 | -88.3 | Peak | | | No Emissions |
| 37240 | | V | 68.3 | -68.3 | Avg | | | Detected |
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**FCC Subpart E**

Intel Corporation — Date: 07/01/04
Intel Mini PCI Type 802.11ABG Wireless LAN Adapter — Lab: B
Model: WM3B2915ABG — Tested By: Kyle Fujimoto
Configuration: Hewlett Packard Series PP3006 Tablet Computer

**Channel 64 - UNII Mode** **Transmit Mode**
Gain : 14.0 Peak Power: 21.15 dBm Avg. Power: 15.50 dBm

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 10640 | 46.31 | H | 74 | -27.69 | Peak | 304.6 | 270 | |
| 10640 | 33.32 | H | 54 | -20.68 | Avg | 304.6 | 270 | |
| | | | | | | | | |
| 15960 | 51.6 | H | 74 | -22.4 | Peak | 224.8 | 0 | |
| 15960 | 38.79 | H | 54 | -15.21 | Avg | 224.8 | 0 | |
| | | | | | | | | |
| 21280 | | H | 88.3 | -88.3 | Peak | | | No Emissions |
| 21280 | | H | 68.3 | -68.3 | Avg | | | Detected |
| | | | | | | | | |
| 26600 | | H | 88.3 | -88.3 | Peak | | | No Emissions |
| 26600 | | H | 68.3 | -68.3 | Avg | | | Detected |
| | | | | | | | | |
| 31920 | | H | 88.3 | -88.3 | Peak | | | No Emissions |
| 31920 | | H | 68.3 | -68.3 | Avg | | | Detected |
| | | | | | | | | |
| 37240 | | H | 88.3 | -88.3 | Peak | | | No Emissions |
| 37240 | | H | 68.3 | -68.3 | Avg | | | Detected |
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**FCC Subpart E**
Intel Corporation Date: 07/01/04
Intel Mini PCI Type 802.11ABG Wireless LAN Adapter Lab: B
Model: WM3B2915ABG Tested By: Kyle Fujimoto
Configuration: Hewlett Packard Series PP3006 Tablet Computer

**Channel 36 - UNII Mode** **Transmit Mode**
Gain : 7.5 Peak Power: 16.72 dBm Avg. Power: 10.25 dBm

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 6906.67 | 52.09 | V | 88.3 | -36.21 | Peak | 2.59 | 0 | Fundamental of LO for |
| 6906.7 | 44.95 | V | 68.3 | -23.35 | Avg | 2.59 | 0 | Channel 36 |
| | | | | | | | | |
| 13813.3 | 46.45 | V | 88.3 | -41.85 | Peak | 2.59 | 270 | 2nd Harmonic of LO for |
| 13813 | 33.68 | V | 68.3 | -34.62 | Avg | 2.59 | 270 | Channel 36 |
| | | | | | | | | |
| 20720 | | V | 74 | -74 | Peak | | | 3rd Harmonic of LO for |
| 20720 | | V | 54 | -54 | Avg | | | Channel 36 - No Emissions Detected |
| | | | | | | | | |
| 27626.7 | | V | 88.3 | -88.3 | Peak | | | 4th Harmonic of LO for |
| 27626.7 | | V | 68.3 | -68.3 | Avg | | | Channel 36 - No Emissons Detected |
| | | | | | | | | |
| 34533.3 | | V | 88.3 | -88.3 | Peak | | | 5th Harmonic of LO for |
| 34533.3 | | V | 68.3 | -68.3 | Avg | | | Channel 36 - No Emissons Detected |
| | | | | | | | | |
| 6906.67 | 58.42 | H | 88.3 | -29.88 | Peak | 1.8 | 0 | Fundamental of LO for |
| 6906.7 | 56.77 | H | 68.3 | -11.53 | Avg | 1.8 | 0 | Channel 36 |
| | | | | | | | | |
| 13813.3 | 60.4 | H | 88.3 | -27.9 | Peak | 1.8 | 270 | 2nd Harmonic of LO for |
| 13813 | 48.3 | H | 68.3 | -20 | Avg | 1.8 | 270 | Channel 36 |
| | | | | | | | | |
| 20720 | | H | 74 | -74 | Peak | | | 3rd Harmonic of LO for |
| 20720 | | H | 54 | -54 | Avg | | | Channel 36 - No Emissions Detected |
| | | | | | | | | |
| 27626.7 | | H | 88.3 | -88.3 | Peak | | | 4th Harmonic of LO for |
| 27626.7 | | H | 68.3 | -68.3 | Avg | | | Channel 36 - No Emissons Detected |
| | | | | | | | | |
| 34533.3 | | H | 88.3 | -88.3 | Peak | | | 5th Harmonic of LO for |
| 34533.3 | | H | 68.3 | -68.3 | Avg | | | Channel 36 - No Emissons Detected |
| | | | | | | | | |
| | | | | | | | | Only the 3rd Harmonic of the LO |
| | | | | | | | | is in the Restricted Band |
| | | | | | | | | |
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**FCC Subpart E**

Intel Corporation — Date: 07/01/04
Intel Mini PCI Type 802.11ABG Wireless LAN Adapter — Lab: B
Model: WM3B2915ABG — Tested By: Kyle Fujimoto
Configuration: Hewlett Packard Series PP3006 Tablet Computer

**Channel 48 - UNII Mode** **Transmit Mode**
Gain : 10.0 Peak Power: 16.78 dBm Avg. Power: 10.35 dBm

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 6986.67 | 46.62 | V | 88.3 | -41.68 | Peak | 2.75 | 315 | Fundamental of LO for |
| 6986.7 | 35.13 | V | 68.3 | -33.17 | Avg | 2.75 | 315 | Channel 48 |
| | | | | | | | | |
| 13973.3 | 45.53 | V | 88.3 | -42.77 | Peak | 2.5 | 225 | 2nd Harmonic of LO for |
| 13973 | 32.35 | V | 68.3 | -35.95 | Avg | 2.5 | 225 | Channel 48 |
| | | | | | | | | |
| 20960 | | V | 74 | -74 | Peak | | | 3rd Harmonic of LO for |
| 20960 | | V | 54 | -54 | Avg | | | Channel 48 - No Emissions Detected |
| | | | | | | | | |
| 27946.7 | | V | 88.3 | -88.3 | Peak | | | 4th Harmonic of LO for |
| 27946.7 | | V | 68.3 | -68.3 | Avg | | | Channel 48 - No Emissons Detected |
| | | | | | | | | |
| 34933 | | V | 88.3 | -88.3 | Peak | | | 5th Harmonic of LO for |
| 34933 | | V | 68.3 | -68.3 | Avg | | | Channel 48 - No Emissons Detected |
| | | | | | | | | |
| 6986.67 | 46.63 | H | 88.3 | -41.67 | Peak | 2.35 | 0 | Fundamental of LO for |
| 6986.7 | 35.12 | H | 68.3 | -33.18 | Avg | 2.35 | 0 | Channel 48 |
| | | | | | | | | |
| 13973.3 | 47.89 | H | 88.3 | -40.41 | Peak | 2.35 | 270 | 2nd Harmonic of LO for |
| 13973 | 32.69 | H | 68.3 | -35.61 | Avg | 235 | 270 | Channel 48 |
| | | | | | | | | |
| 20960 | | H | 74 | -74 | Peak | | | 3rd Harmonic of LO for |
| 20960 | | H | 54 | -54 | Avg | | | Channel 48 - No Emissions Detected |
| | | | | | | | | |
| 27946.7 | | H | 88.3 | -88.3 | Peak | | | 4th Harmonic of LO for |
| 27946.7 | | H | 68.3 | -68.3 | Avg | | | Channel 48 - No Emissons Detected |
| | | | | | | | | |
| 34933 | | H | 88.3 | -88.3 | Peak | | | 5th Harmonic of LO for |
| 34933 | | H | 68.3 | -68.3 | Avg | | | Channel 48 - No Emissons Detected |
| | | | | | | | | |
| | | | | | | | | Only the 3rd Harmonic of the LO |
| | | | | | | | | is in the Restricted Band |
| | | | | | | | | |

**FCC Subpart E**
Intel Corporation
Intel Mini PCI Type 802.11ABG Wireless LAN Adapter
Model: WM3B2915ABG
Configuration: Hewlett Packard Series PP3006 Tablet Computer

Date: 07/01/04
Lab: B
Tested By: Kyle Fujimoto

**Channel 52 - UNII Mode** **Transmit Mode**
Gain : 14.5 Peak Power: 21.14 dBm Avg. Power: 15.25 dBm

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 7013.33 | 49.41 | V | 88.3 | -38.89 | Peak | 3.78 | 315 | Fundamental of LO for |
| 7013.3 | 43.99 | V | 68.3 | -24.31 | Avg | 3.78 | 315 | Channel 52 |
| | | | | | | | | |
| 14026.7 | 46.84 | V | 88.3 | -41.46 | Peak | 1.9 | 45 | 2nd Harmonic of LO for |
| 14026.7 | 32.43 | V | 68.3 | -35.87 | Avg | 1.9 | 45 | Channel 52 |
| | | | | | | | | |
| 21040 | | V | 74 | -74 | Peak | | | 3rd Harmonic of LO for |
| 21040 | | V | 54 | -54 | Avg | | | Channel 52 - No Emissions Detected |
| | | | | | | | | |
| 28053 | | V | 88.3 | -88.3 | Peak | | | 4th Harmonic of LO for |
| 28053 | | V | 68.3 | -68.3 | Avg | | | Channel 52 - No Emissions Detected |
| | | | | | | | | |
| 35066 | | V | 88.3 | -88.3 | Peak | | | 5th Harmonic of LO for |
| 35066 | | V | 68.3 | -68.3 | Avg | | | Channel 52 - No Emissions Detected |
| | | | | | | | | |
| 7013.33 | 52.07 | H | 88.3 | -36.23 | Peak | 2.32 | 0 | Fundamental of LO for |
| 7013.3 | 47.64 | H | 68.3 | -20.66 | Avg | 2.32 | 0 | Channel 52 |
| | | | | | | | | |
| 14026.7 | 45.03 | H | 88.3 | -43.27 | Peak | 2.32 | 270 | 2nd Harmonic of LO for |
| 14026.7 | 32.47 | H | 68.3 | -35.83 | Avg | 2.32 | 270 | Channel 52 |
| | | | | | | | | |
| 21040 | | H | 74 | -74 | Peak | | | 3rd Harmonic of LO for |
| 21040 | | H | 54 | -54 | Avg | | | Channel 52 - No Emissions Detected |
| | | | | | | | | |
| 28053 | | H | 88.3 | -88.3 | Peak | | | 4th Harmonic of LO for |
| 28053 | | H | 68.3 | -68.3 | Avg | | | Channel 52 - No Emissions Detected |
| | | | | | | | | |
| 35066 | | H | 88.3 | -88.3 | Peak | | | 5th Harmonic of LO for |
| 35066 | | H | 68.3 | -68.3 | Avg | | | Channel 52 - No Emissions Detected |
| | | | | | | | | |
| | | | | | | | | Only the 3rd Harmonic of the LO |
| | | | | | | | | is in the Restricted Band |
| | | | | | | | | |

**FCC Subpart E**
Intel Corporation
Intel Mini PCI Type 802.11ABG Wireless LAN Adapter
Model: WM3B2915ABG
Configuration: Hewlett Packard Series PP3006 Tablet Computer

Date: 07/01/04
Lab: B
Tested By: Kyle Fujimoto

**Channel 64 - UNII Mode** **Transmit Mode**
Gain : 14.0 Peak Power: 21.15 dBm Avg. Power: 15.50 dBm

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 7093.33 | 49.23 | V | 74 | -24.77 | Peak | 4 | 45 | Fundamental of LO for |
| 7093.3 | 43.74 | V | 54 | -10.26 | Avg | 4 | 45 | Channel 64 |
| | | | | | | | | |
| 14186.7 | 47.34 | V | 88.3 | -40.96 | Peak | 1.79 | 225 | 2nd Harmonic of LO for |
| 14186.7 | 34.42 | V | 68.3 | -33.88 | Avg | 1.79 | 225 | Channel 64 |
| | | | | | | | | |
| 21280 | | V | 74 | -74 | Peak | | | 3rd Harmonic of LO for |
| 21280 | | V | 54 | -54 | Avg | | | Channel 64 - No Emissions Detected |
| | | | | | | | | |
| 28373.3 | | V | 88.3 | -88.3 | Peak | | | 4th Harmonic of LO for |
| 28373.3 | | V | 68.3 | -68.3 | Avg | | | Channel 64 - No Emissions Detected |
| | | | | | | | | |
| 35466.7 | | V | 88.3 | -88.3 | Peak | | | 5th Harmonic of LO for |
| 35467.3 | | V | 68.3 | -68.3 | Avg | | | Channel 64 - No Emissions Detected |
| | | | | | | | | |
| 7093.33 | 53.81 | H | 88.3 | -34.49 | Peak | 1.8 | 45 | Fundamental of LO for |
| 7093.33 | 49.75 | H | 68.3 | -18.55 | Avg | 1.8 | 45 | Channel 64 |
| | | | | | | | | |
| 14186.7 | 47.21 | H | 88.3 | -41.09 | Peak | 2.86 | 0 | 2nd Harmonic of LO for |
| 14186.7 | 34.44 | H | 68.3 | -33.86 | Avg | 2.86 | 0 | Channel 64 |
| | | | | | | | | |
| 21280 | | H | 74 | -74 | Peak | | | 3rd Harmonic of LO for |
| 21280 | | H | 54 | -54 | Avg | | | Channel 64 - No Emissions Detected |
| | | | | | | | | |
| 28373.3 | | H | 88.3 | -88.3 | Peak | | | 4th Harmonic of LO for |
| 28373.3 | | H | 68.3 | -68.3 | Avg | | | Channel 64 - No Emissions Detected |
| | | | | | | | | |
| 35466.7 | | H | 88.3 | -88.3 | Peak | | | 5th Harmonic of LO for |
| 35467.3 | | H | 68.3 | -68.3 | Avg | | | Channel 64 - No Emissions Detected |
| | | | | | | | | |
| | | | | | | | | Only the 3rd Harmonic of the LO |
| | | | | | | | | is in the Restricted Band |
| | | | | | | | | |

**FCC Subpart E**
Intel Corporation
Intel Mini PCI Type 802.11ABG Wireless LAN Adapter
Model: WM3B2915ABG
Configuration: Hewlett Packard Series PP3006 Tablet Computer

Date: 07/01/04
Lab: B
Tested By: Kyle Fujimoto

**Channel 48 - UNII**
**Receive Mode**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 6986.67 | 45.64 | V | 80 | -34.36 | Peak | 2.27 | 315 | Fundamental of LO for |
| 6986.7 | 34.93 | V | 60 | -25.07 | Avg | 2.27 | 315 | Channel 48 |
| | | | | | | | | |
| 13973.3 | 45.04 | V | 80 | -34.96 | Peak | 2.27 | 0 | 2nd Harmonic of LO for |
| 13973 | 32.69 | V | 60 | -27.31 | Avg | 2.27 | 0 | Channel 48 |
| | | | | | | | | |
| 20960 | | V | 80 | -80 | Peak | | | 3rd Harmonic of LO for |
| 20960 | | V | 60 | -60 | Avg | | | Channel 48 - No Emission Detected |
| | | | | | | | | |
| 6986.67 | 46.49 | H | 80 | -33.51 | Peak | 2.61 | 225 | Fundamental of LO for |
| 6986.7 | 31.82 | H | 60 | -28.18 | Avg | 2.61 | 225 | Channel 48 |
| | | | | | | | | |
| 13973.3 | 45.66 | H | 80 | -34.34 | Peak | 2.61 | 225 | 2nd Harmonic of LO for |
| 13973 | 32.6 | H | 60 | -27.4 | Avg | 2.61 | 225 | Channel 48 |
| | | | | | | | | |
| 20960 | | H | 80 | -80 | Peak | | | 3rd Harmonic of LO for |
| 20960 | | H | 60 | -60 | Avg | | | Channel 48 - No Emission Detected |
| | | | | | | | | |

**FCC Subpart E**
Intel Corporation
Intel Mini PCI Type 802.11ABG Wireless LAN Adapter
Model: WM3B2915ABG
Configuration: Hewlett Packard Series PP3006 Tablet Computer

Date: 07/01/04
Lab: B
Tested By: Kyle Fujimoto

**Channel 52 - UNII**
**Receive Mode**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 7013.33 | 44.43 | V | 80 | -35.57 | Peak | 3.19 | 270 | Fundamental of LO for |
| 7013.3 | 31.16 | V | 60 | -28.84 | Avg | 3.19 | 270 | Channel 52 |
| | | | | | | | | |
| 14026.7 | 44.72 | V | 80 | -35.28 | Peak | 2.48 | 270 | 2nd Harmonic of LO for |
| 14026.7 | 32.2 | V | 60 | -27.8 | Avg | 2.48 | 270 | Channel 52 |
| | | | | | | | | |
| 21040 | | V | 80 | -80 | Peak | | | 3rd Harmonic of LO for |
| 21040 | | V | 60 | -60 | Avg | | | Channel 52 - No Emission Detected |
| | | | | | | | | |
| 7013.33 | 44.07 | H | 80 | -35.93 | Peak | 2.88 | 225 | Fundamental of LO for |
| 7013.3 | 31.18 | H | 60 | -28.82 | Avg | 2.88 | 225 | Channel 52 |
| | | | | | | | | |
| 14027 | 45.41 | H | 80 | -34.59 | Peak | 2.33 | 180 | 2nd Harmonic of LO for |
| 14026.7 | 32.26 | H | 60 | -27.74 | Avg | 2.33 | 180 | Channel 52 |
| | | | | | | | | |
| 21040 | | H | 80 | -80 | Peak | | | 3rd Harmonic of LO for |
| 21040 | | H | 60 | -60 | Avg | | | Channel 52 - No Emission Detected |
| | | | | | | | | |

**COMPATIBLE ELECTRONICS**

**Test Location** : Compatible Electronics — **Page** : 1/1
**Customer** : Intel Corporation — **Date** : 7/09/2004
**Manufacturer** : Intel Corporation — **Time** : 9:42:02
**Eut name** : Intel Mini PCI Type 802.11ABG WLAN Adapter — **Lab** : A
**Model** : WM3B2915ABG — **Test Distance** : 3.0 Meters
**Serial #** : N/A
**Specification** : FCC Class B
**Distance correction factor (20 * log(test/spec))** : 0.00
**Test Mode** : Radiated Emissions 10 kHz to 1000 MHz
Vertical Polarization
Transmit Mode Worse Case -- For the PP3006 Platform
Tested By: Kyle Fujimoto

| Pol | Freq | Rdng | Cable loss | Ant factor | Amp gain | Cor'd rdg = R | Limit = L | Delta R-L |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dB | dB | dBuV | dBuV/m | dB |
| 1V | 41.468 | 52.20 | 1.83 | 10.53 | 32.40 | 32.16 | 40.00 | -7.84 |
| 2V | 45.976 | 48.90 | 1.92 | 9.49 | 32.40 | 27.91 | 40.00 | -12.09 |
| 3V | 64.217 | 49.00 | 2.23 | 9.33 | 32.46 | 28.11 | 40.00 | -11.89 |
| 4V | 69.499 | 51.10 | 2.39 | 8.20 | 32.40 | 29.28 | 40.00 | -10.72 |
| 5V | 323.956 | 45.40 | 3.70 | 13.30 | 32.25 | 30.15 | 46.00 | -15.85 |
| 6V | 365.367 | 45.00 | 3.96 | 13.93 | 32.20 | 30.69 | 46.00 | -15.31 |
| 7V | 467.279 | 41.70 | 4.94 | 16.49 | 32.00 | 31.13 | 46.00 | -14.87 |
| 8V | 486.866 | 51.10 | 5.10 | 17.04 | 32.00 | 41.24 | 46.00 | -4.76 |
| 9V | 432.040 | 47.90 | 4.63 | 15.44 | 32.07 | 35.89 | 46.00 | -10.11 |
| 10V | 515.484 | 48.80 | 5.26 | 17.65 | 31.94 | 39.78 | 46.00 | -6.22 |
| 11V | 528.058 | 48.90 | 5.31 | 17.85 | 31.89 | 40.18 | 46.00 | -5.82 |
| 12V | 720.089 | 41.80 | 6.12 | 20.07 | 31.78 | 36.20 | 46.00 | -9.80 |

**COMPATIBLE ELECTRONICS**

**Test Location** : Compatible Electronics — **Page** : 1/1
**Customer** : Intel Corporation — **Date** : 7/09/2004
**Manufacturer** : Intel Corporation — **Time** : 10:11:43
**Eut name** : Intel Mini PCI Type 802.11ABG WLAN Adapter — **Lab** : A
**Model** : WM3B2915ABG — **Test Distance** : 3.0 Meters
**Serial #** : N/A
**Specification** : FCC Class B
**Distance correction factor (20 * log(test/spec))** : 0.00
**Test Mode** : Radiated Emissions 10 kHz to 1000 MHz
Horizontal Polarization
Transmit Mode Worse Case -- For the PP3006 Platform
Test By: Kyle Fujimoto

| Pol | Freq | Rdng | Cable loss | Ant factor | Amp gain | Cor'd rdg = R | Limit = L | Delta R-L |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dB | dB | dBuV | dBuV/m | dB |
| 1H | 300.000 | 40.80 | 3.60 | 12.90 | 32.30 | 25.00 | 46.00 | -21.00 |
| 2H | 346.465 | 40.60 | 3.79 | 13.65 | 32.21 | 25.83 | 46.00 | -20.17 |
| 3H | 352.860 | 40.00 | 3.83 | 13.75 | 32.20 | 25.38 | 46.00 | -20.62 |
| 4H | 406.225 | 37.50 | 4.37 | 14.61 | 32.17 | 24.30 | 46.00 | -21.70 |
| 5H | 472.079 | 38.70 | 4.98 | 16.63 | 32.00 | 28.31 | 46.00 | -17.69 |
| 6H | 507.615 | 35.90 | 5.23 | 17.52 | 31.97 | 26.69 | 46.00 | -19.31 |
| 7H | 752.358 | 41.90 | 6.00 | 20.79 | 31.88 | 36.82 | 46.00 | -9.18 |
| 8H | 550.066 | 36.90 | 5.40 | 18.19 | 31.80 | 28.69 | 46.00 | -17.31 |
| 9H | 40.066 | 36.30 | 1.80 | 11.17 | 32.40 | 16.87 | 40.00 | -23.13 |

**FCC 15.247**

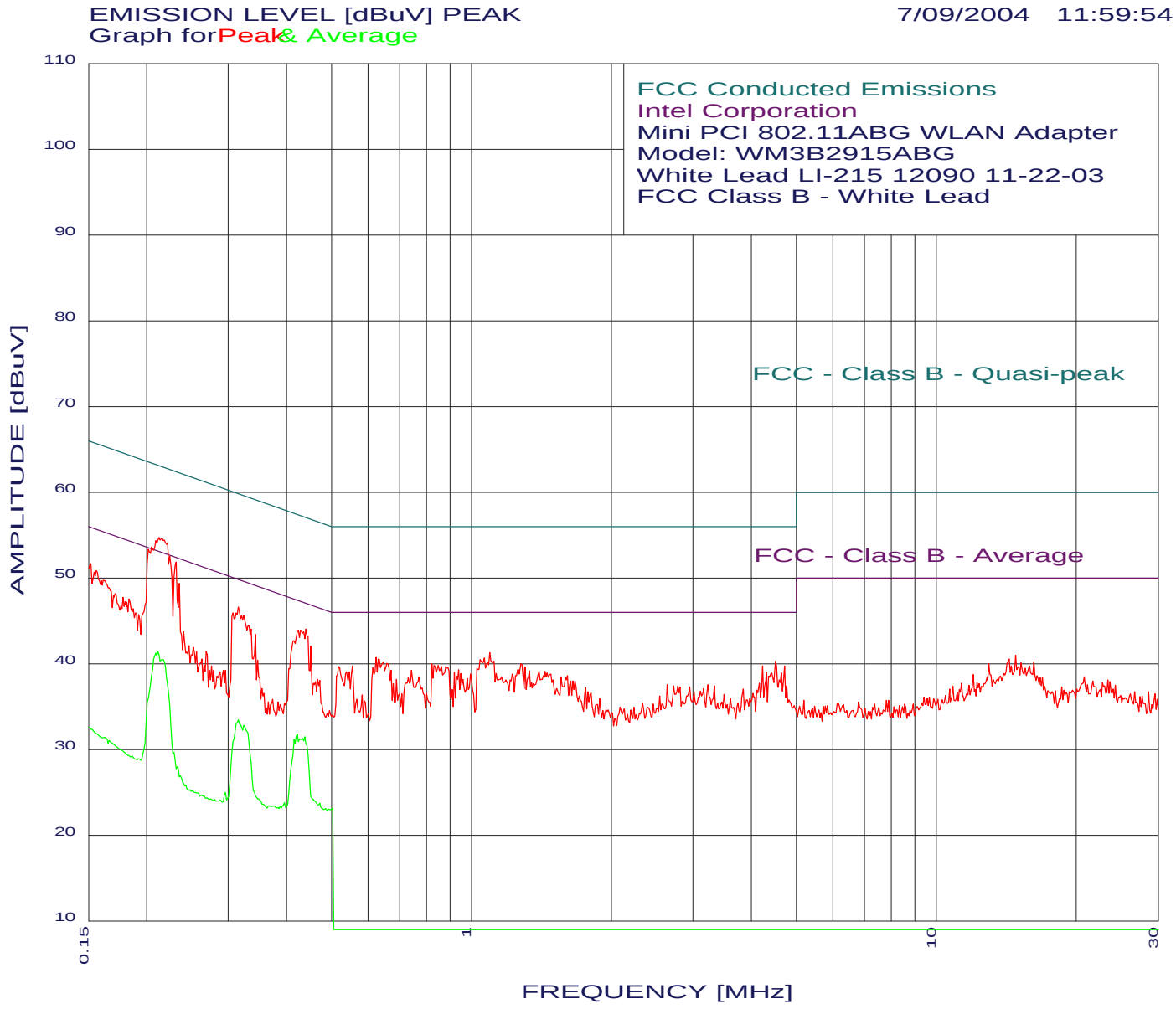
Intel Corporation — Date: 07/08/04
Intel Mini PCI Type 802.11ABG Wireless LAN Adapter — Lab: B
Model: WM3B2915ABG — Tested By: Benigno Chavez
Configuration: Hewlett Packard Series PP3006 Tablet Computer

**Digital Portion - 1 GHz to 40 GHz**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 1202.8 | 37.19 | V | 74 | -36.81 | Peak | 3.25 | 315 | |
| 1202.8 | 30.73 | V | 54 | -23.27 | Avg | 3.25 | 315 | |
| | | | | | | | | |
| 1603.7 | 40.7 | V | 74 | -33.3 | Peak | 3 | 0 | |
| 1603.7 | 36.74 | V | 54 | -17.26 | Avg | 3 | 0 | |
| | | | | | | | | |
| 1603.6 | 36.44 | H | 74 | -37.56 | Peak | 2.5 | 270 | |
| 1603.6 | 30.66 | H | 54 | -23.34 | Avg | 2.5 | 270 | |
| | | | | | | | | |

# *CONDUCTED EMISSIONS*

# *DATA SHEETS*




COMPATIBLE ELECTRONICS

COMPATIBLE ELECTRONICS

7/09/2004 11:59:54

Intel Corporation
Mini PCI 802.11ABG WLAN Adapter
Model: WM3B2915ABG
FCC Class B - White Lead
TEST ENGINEER : Kyle Fujimoto

---

44 highest peaks above -50.00 dB of FCC - Class B - Average limit line
Peak criteria : 0.10 dB, Curve : Peak

| Peak# | Freq(MHz) | Amp(dBuV) | Limit(dB) | Delta(dB) |
|---|---|---|---|---|
| 1 | 0.216 | 54.62 | 52.96 | 1.66* |
| 2 | 0.213 | 54.72 | 53.09 | 1.63* |
| 3 | 0.222 | 54.12 | 52.74 | 1.38* |
| 4 | 0.210 | 54.32 | 53.23 | 1.10* |
| 5 | 0.205 | 53.62 | 53.40 | 0.23* |
| 6 | 0.224 | 52.52 | 52.65 | -0.13* |
| 7 | 0.202 | 53.33 | 53.53 | -0.21* |
| 8 | 0.232 | 51.82 | 52.39 | -0.57* |
| 9 | 0.235 | 49.32 | 52.25 | -2.94* |
| 10 | 0.440 | 44.03 | 47.06 | -3.03* |
| 11 | 0.315 | 46.62 | 49.84 | -3.21* |
| 12 | 0.428 | 43.93 | 47.28 | -3.36* |
| 13 | 0.435 | 43.73 | 47.15 | -3.42* |
| 14 | 0.424 | 43.93 | 47.37 | -3.45* |
| 15 | 0.324 | 45.62 | 49.62 | -4.00* |
| 16 | 0.312 | 45.92 | 49.92 | -4.00* |
| 17 | 0.320 | 45.62 | 49.71 | -4.09* |
| 18 | 0.307 | 45.92 | 50.05 | -4.13* |
| 19 | 0.152 | 51.65 | 55.91 | -4.26* |
| 20 | 1.094 | 41.27 | 46.00 | -4.73 |
| 21 | 0.452 | 42.03 | 46.85 | -4.82* |
| 22 | 0.156 | 50.84 | 55.69 | -4.84* |
| 23 | 0.415 | 42.63 | 47.55 | -4.92* |
| 24 | 0.332 | 44.42 | 49.39 | -4.97* |
| 25 | 0.154 | 50.65 | 55.78 | -5.13* |
| 26 | 0.624 | 40.74 | 46.00 | -5.26 |
| 27 | 0.336 | 44.02 | 49.31 | -5.28* |
| 28 | 1.066 | 40.67 | 46.00 | -5.33 |
| 29 | 0.631 | 40.54 | 46.00 | -5.46 |
| 30 | 1.043 | 40.47 | 46.00 | -5.53 |
| 31 | 0.162 | 49.74 | 55.38 | -5.65* |
| 32 | 4.504 | 40.30 | 46.00 | -5.70 |
| 33 | 0.343 | 43.42 | 49.13 | -5.71* |
| 34 | 1.118 | 40.27 | 46.00 | -5.73 |
| 35 | 0.648 | 40.24 | 46.00 | -5.76 |
| 36 | 1.083 | 40.17 | 46.00 | -5.83 |
| 37 | 0.160 | 49.64 | 55.47 | -5.83 |
| 38 | 0.658 | 40.04 | 46.00 | -5.96 |
| 39 | 1.276 | 39.98 | 46.00 | -6.02 |
| 40 | 0.822 | 39.95 | 46.00 | -6.05 |
| 41 | 0.849 | 39.76 | 46.00 | -6.24 |
| 42 | 0.831 | 39.75 | 46.00 | -6.25 |
| 43 | 0.555 | 39.74 | 46.00 | -6.26 |
| 44 | 4.227 | 39.70 | 46.00 | -6.30 |

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* Please See the Average Readings on the Next Page and on the Plot

COMPATIBLE ELECTRONICS

7/09/2004 11:59:54

Intel Corporation
Mini PCI 802.11ABG WLAN Adapter
Model: WM3B2915ABG
FCC Class B - White Lead
TEST ENGINEER : Kyle Fujimoto

---

25 highest peaks above -50.00 dB of FCC - Class B - Average limit line
Peak criteria : 0.10 dB, Curve : Average

| Peak# | Freq(MHz) | Amp(dBuV) | Limit(dB) | Delta(dB) |
|---|---|---|---|---|
| 1 | 0.212 | 41.41 | 53.14 | -11.73 |
| 2 | 0.210 | 41.22 | 53.23 | -12.00 |
| 3 | 0.217 | 40.46 | 52.91 | -12.45 |
| 4 | 0.438 | 31.46 | 47.11 | -15.65 |
| 5 | 0.421 | 31.77 | 47.42 | -15.65 |
| 6 | 0.433 | 31.31 | 47.19 | -15.89 |
| 7 | 0.315 | 33.48 | 49.84 | -16.35 |
| 8 | 0.415 | 31.19 | 47.55 | -16.36 |
| 9 | 0.324 | 32.78 | 49.62 | -16.84 |
| 10 | 0.471 | 23.69 | 46.49 | -22.80 |
| 11 | 0.229 | 29.68 | 52.48 | -22.80 |
| 12 | 0.502 | 23.17 | 46.00 | -22.83 |
| 13 | 0.486 | 23.09 | 46.23 | -23.14 |
| 14 | 0.162 | 31.44 | 55.34 | -23.90 |
| 15 | 0.166 | 31.01 | 55.16 | -24.15 |
| 16 | 0.396 | 23.76 | 47.95 | -24.19 |
| 17 | 0.233 | 28.00 | 52.34 | -24.35 |
| 18 | 0.387 | 23.32 | 48.12 | -24.80 |
| 19 | 0.375 | 23.38 | 48.38 | -25.00 |
| 20 | 0.186 | 29.19 | 54.19 | -25.00 |
| 21 | 0.237 | 26.88 | 52.21 | -25.33 |
| 22 | 0.296 | 24.94 | 50.36 | -25.43 |
| 23 | 0.243 | 25.83 | 52.00 | -26.17 |
| 24 | 0.288 | 24.09 | 50.58 | -26.49 |
| 25 | 0.280 | 24.16 | 50.81 | -26.65 |

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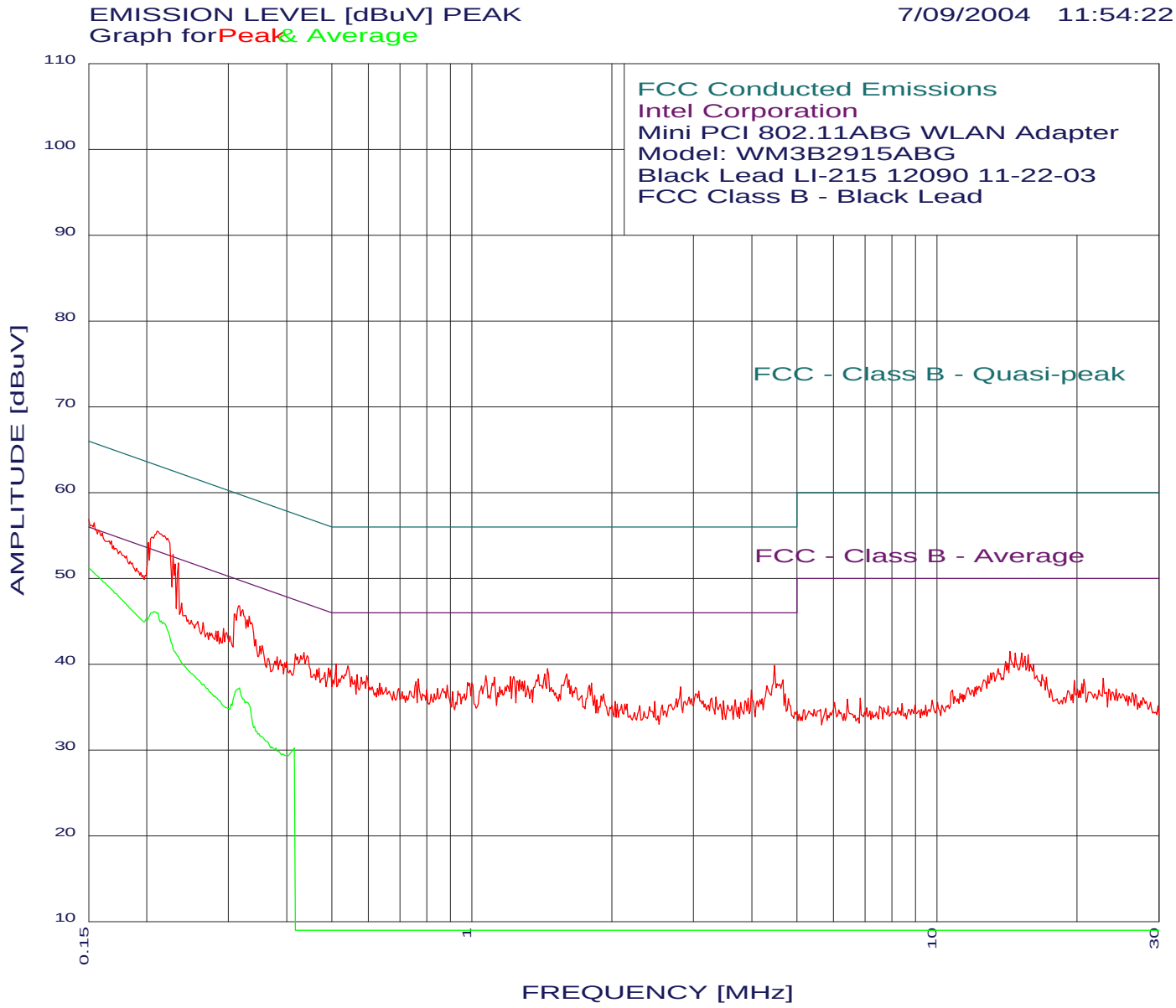


COMPATIBLE ELECTRONICS

COMPATIBLE ELECTRONICS

7/09/2004 11:54:22

Intel Corporation
Mini PCI 802.11ABG WLAN Adapter
Model: WM3B2915ABG
FCC Class B - Black Lead
TEST ENGINEER : Kyle Fujimoto

---

44 highest peaks above -50.00 dB of FCC - Class B - Average limit line
Peak criteria : 1.00 dB, Curve : Peak

| Peak# | Freq(MHz) | Amp(dBuV) | Limit(dB) | Delta(dB) |
|---|---|---|---|---|
| 1 | 0.211 | 55.47 | 53.18 | 2.29* |
| 2 | 0.202 | 54.17 | 53.53 | 0.64* |
| 3 | 0.228 | 52.77 | 52.52 | 0.24* |
| 4 | 0.234 | 51.77 | 52.30 | -0.53* |
| 5 | 0.230 | 51.67 | 52.43 | -0.77* |
| 6 | 0.315 | 46.76 | 49.84 | -3.07* |
| 7 | 0.332 | 45.56 | 49.39 | -3.83* |
| 8 | 0.238 | 47.07 | 52.17 | -5.10* |
| 9 | 0.435 | 41.36 | 47.15 | -5.79 |
| 10 | 0.510 | 40.06 | 46.00 | -5.94 |
| 11 | 4.480 | 39.84 | 46.00 | -6.16 |
| 12 | 0.541 | 39.76 | 46.00 | -6.24 |
| 13 | 0.293 | 44.17 | 50.45 | -6.29* |
| 14 | 0.417 | 41.16 | 47.50 | -6.34 |
| 15 | 0.265 | 44.87 | 51.29 | -6.42* |
| 16 | 1.456 | 39.46 | 46.00 | -6.54 |
| 17 | 0.492 | 39.56 | 46.14 | -6.58 |
| 18 | 0.297 | 43.67 | 50.32 | -6.66* |
| 19 | 0.354 | 42.16 | 48.87 | -6.70* |
| 20 | 0.285 | 43.87 | 50.67 | -6.81* |
| 21 | 0.469 | 39.56 | 46.53 | -6.97 |
| 22 | 1.434 | 38.86 | 46.00 | -7.14 |
| 23 | 1.603 | 38.85 | 46.00 | -7.15 |
| 24 | 0.484 | 39.06 | 46.27 | -7.21 |
| 25 | 0.567 | 38.76 | 46.00 | -7.24 |
| 26 | 1.389 | 38.76 | 46.00 | -7.24 |
| 27 | 0.595 | 38.66 | 46.00 | -7.34 |
| 28 | 1.072 | 38.66 | 46.00 | -7.34 |
| 29 | 0.381 | 40.86 | 48.25 | -7.39* |
| 30 | 0.552 | 38.56 | 46.00 | -7.44 |
| 31 | 1.210 | 38.56 | 46.00 | -7.44 |
| 32 | 1.230 | 38.56 | 46.00 | -7.44 |
| 33 | 0.580 | 38.46 | 46.00 | -7.54 |
| 34 | 1.118 | 38.46 | 46.00 | -7.54 |
| 35 | 0.400 | 40.26 | 47.86 | -7.59* |
| 36 | 0.387 | 40.46 | 48.12 | -7.66* |
| 37 | 0.767 | 38.26 | 46.00 | -7.74 |
| 38 | 1.269 | 38.16 | 46.00 | -7.84 |
| 39 | 0.365 | 40.66 | 48.61 | -7.94* |
| 40 | 1.249 | 38.06 | 46.00 | -7.94 |
| 41 | 1.297 | 38.06 | 46.00 | -7.94 |
| 42 | 0.759 | 37.96 | 46.00 | -8.04 |
| 43 | 0.979 | 37.86 | 46.00 | -8.14 |
| 44 | 0.634 | 37.76 | 46.00 | -8.24 |

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* Please See the Average Readings on the Next Page and on the Plot

COMPATIBLE ELECTRONICS

7/09/2004 11:54:22

Intel Corporation
Mini PCI 802.11ABG WLAN Adapter
Model: WM3B2915ABG
FCC Class B - Black Lead
TEST ENGINEER : Kyle Fujimoto

---

11 highest peaks above -50.00 dB of FCC - Class B - Average limit line
Peak criteria : 0.10 dB, Curve : Average

| Peak# | Freq(MHz) | Amp(dBuV) | Limit(dB) | Delta(dB) |
|---|---|---|---|---|
| 1 | 0.207 | 46.12 | 53.31 | -7.19 |
| 2 | 0.215 | 45.02 | 53.00 | -7.99 |
| 3 | 0.200 | 45.26 | 53.62 | -8.36 |
| 4 | 0.317 | 37.19 | 49.79 | -12.60 |
| 5 | 0.327 | 35.62 | 49.53 | -13.90 |
| 6 | 0.304 | 35.37 | 50.14 | -14.78 |
| 7 | 0.341 | 32.69 | 49.18 | -16.48 |
| 8 | 0.415 | 30.22 | 47.55 | -17.32 |
| 9 | 0.379 | 30.19 | 48.29 | -18.10 |
| 10 | 0.371 | 30.36 | 48.47 | -18.11 |
| 11 | 0.391 | 29.54 | 48.03 | -18.49 |

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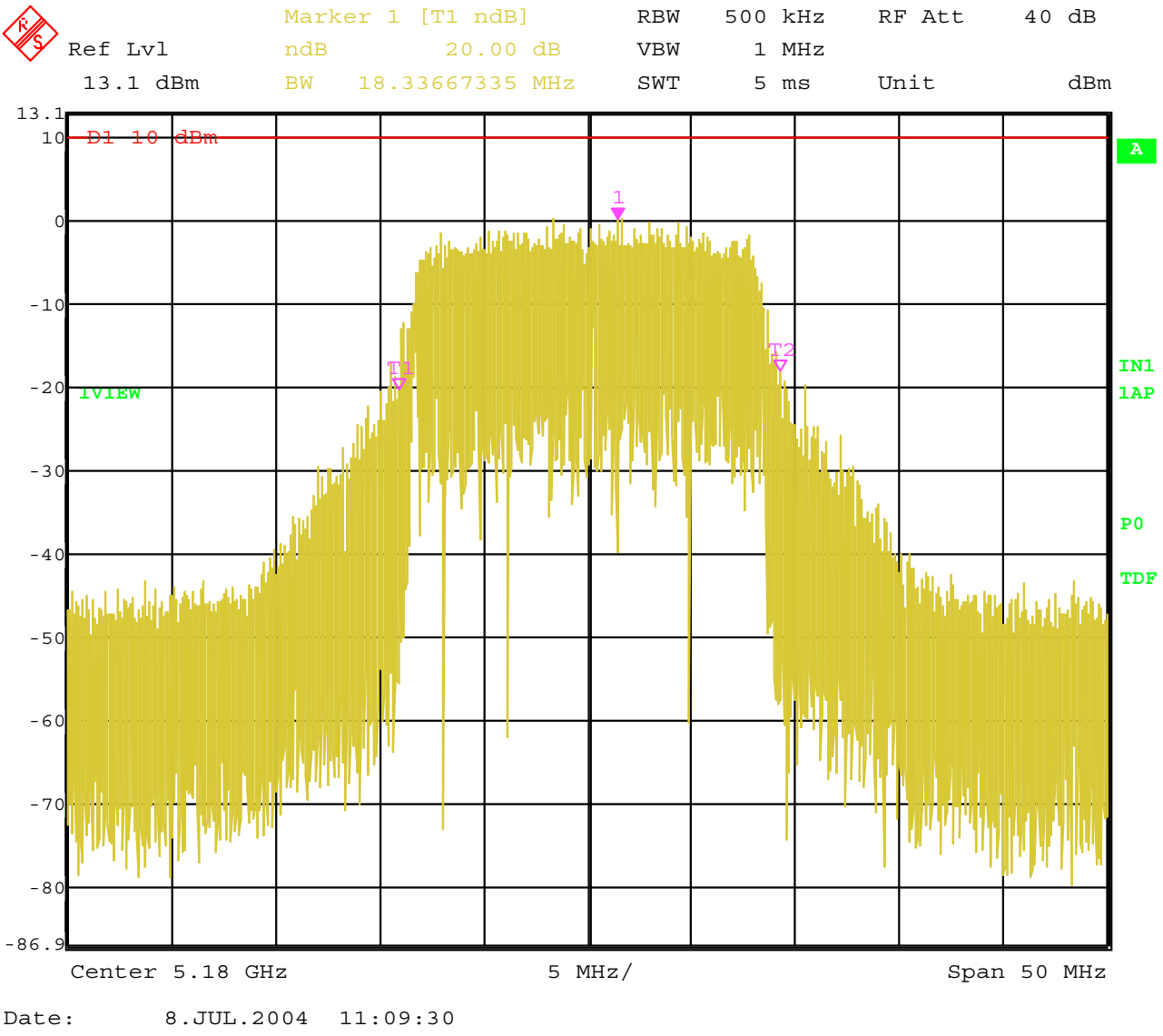
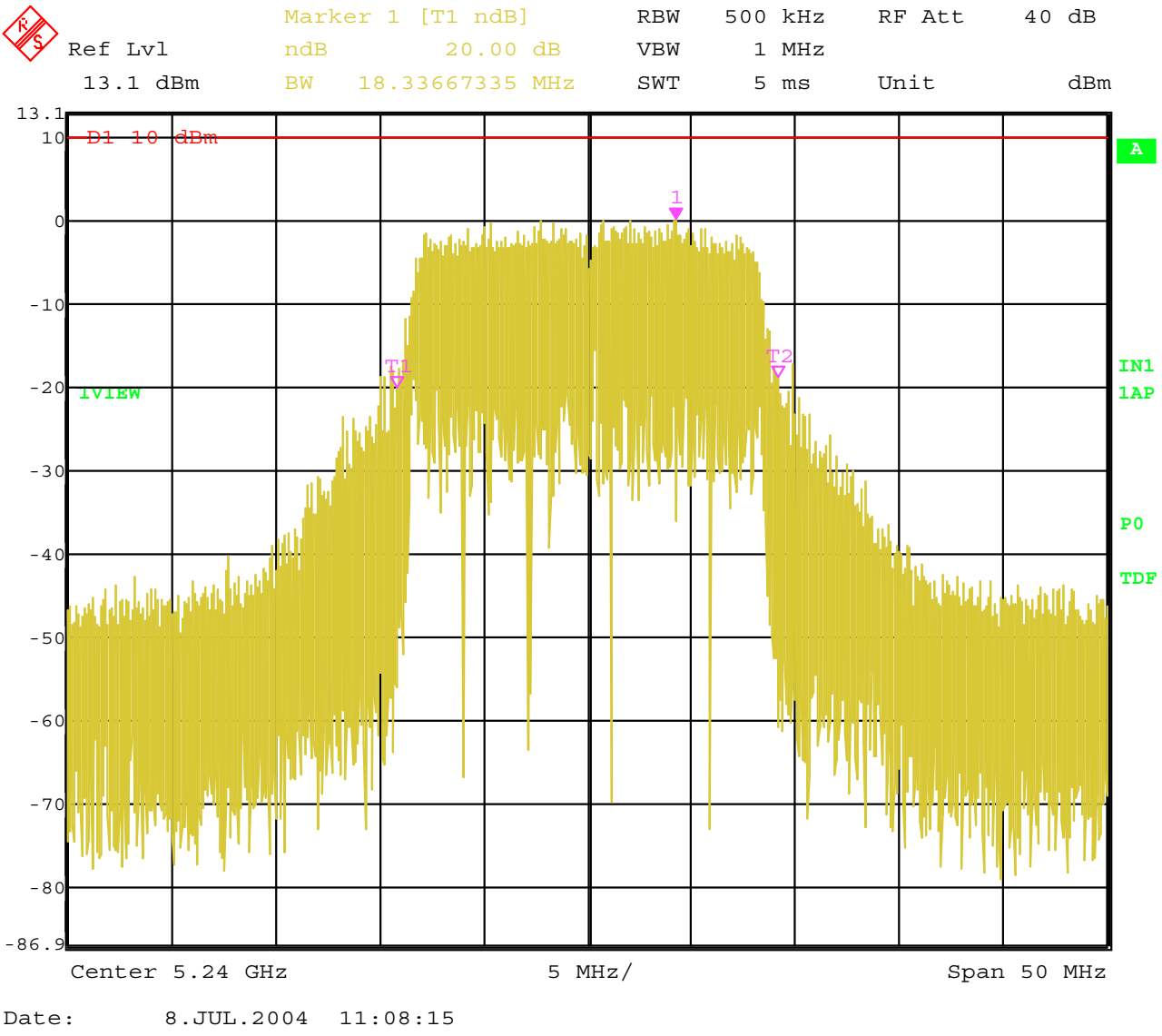
# *-20 dB BANDWIDTH*

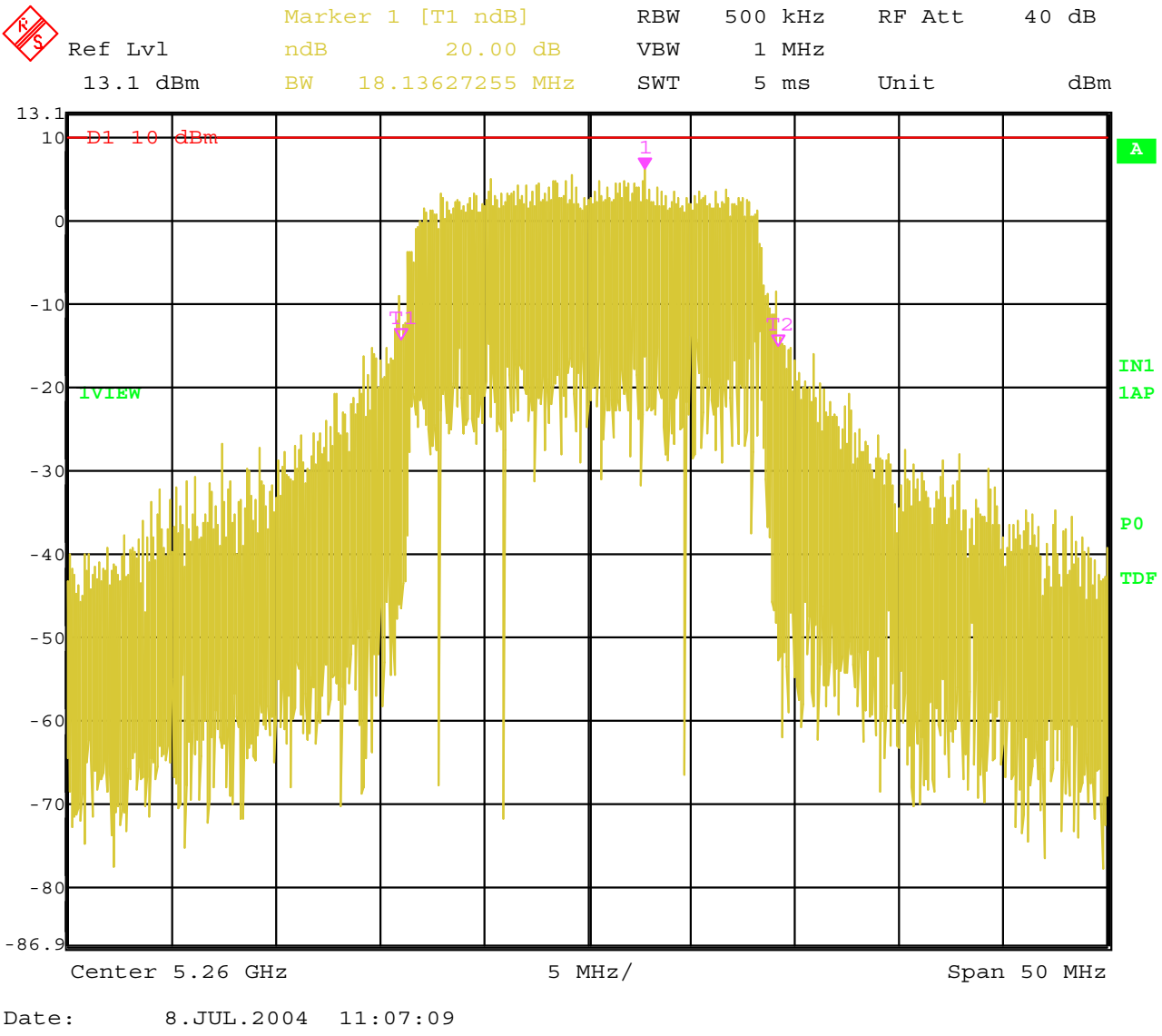
# *DATA SHEETS*



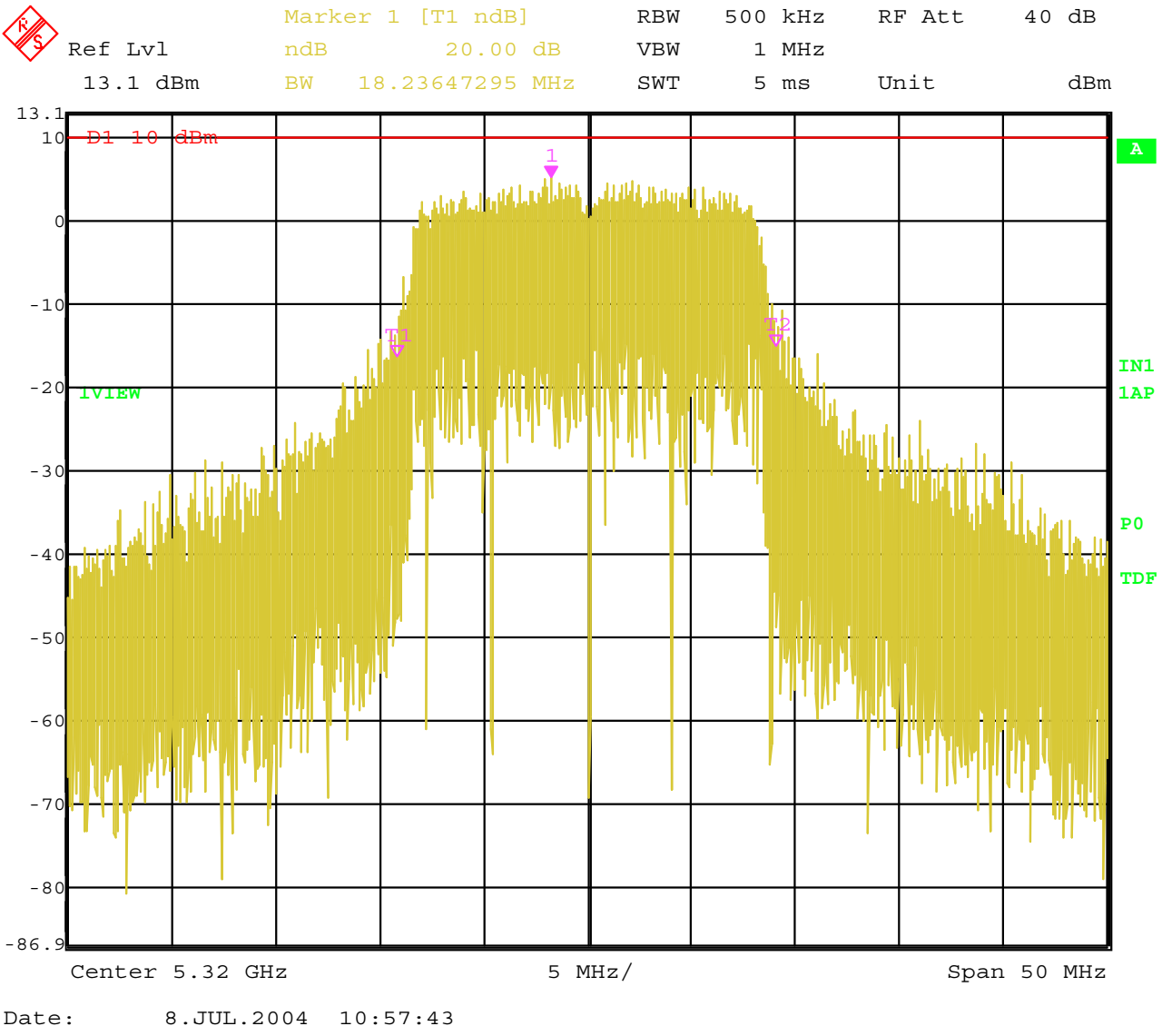

Bandwidth 20 dB – Channel 36 – UNII Mode




Bandwidth 20 dB – Channel 48 – UNII Mode



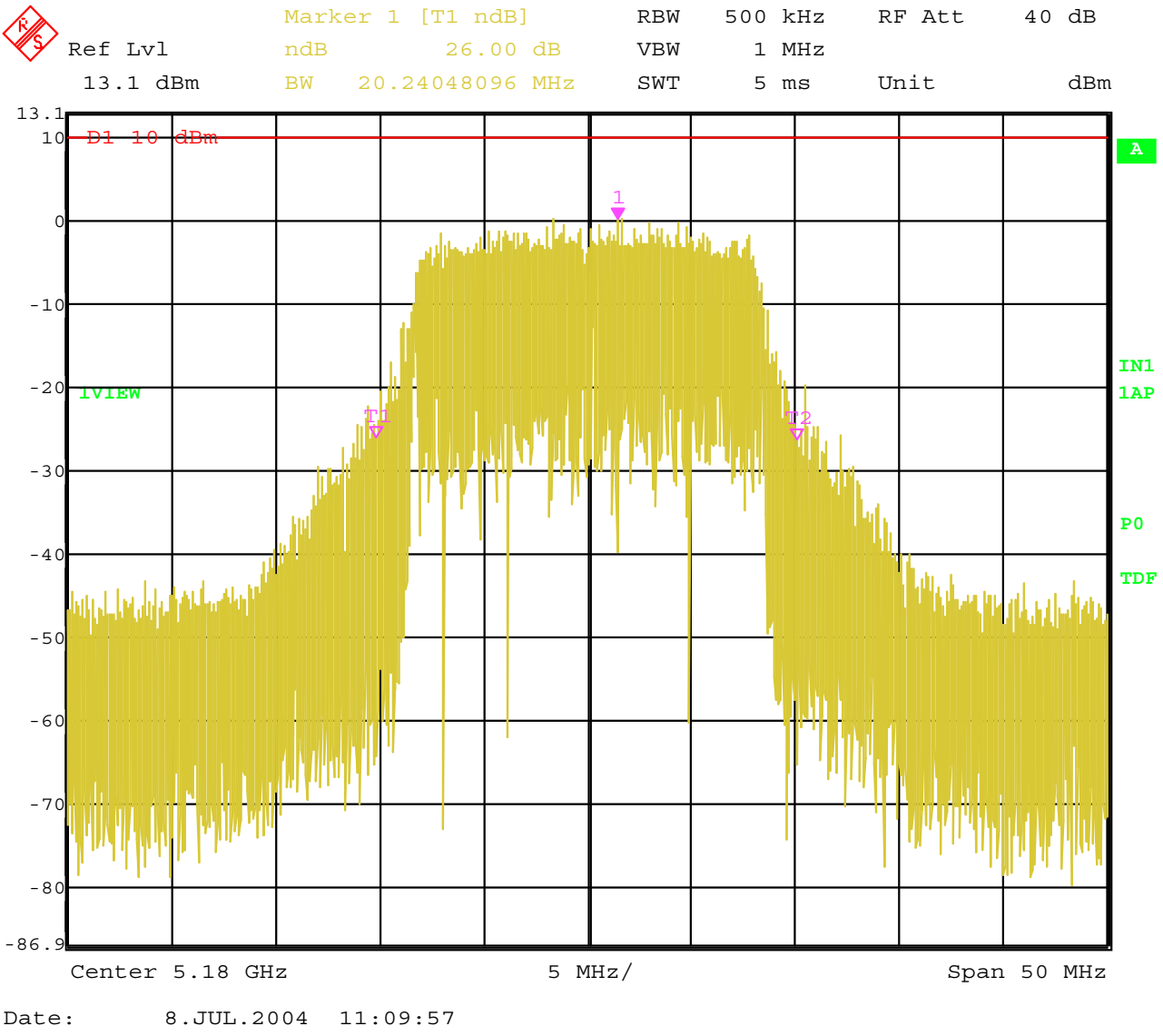

Bandwidth 20 dB – Channel 52 – UNII Mode



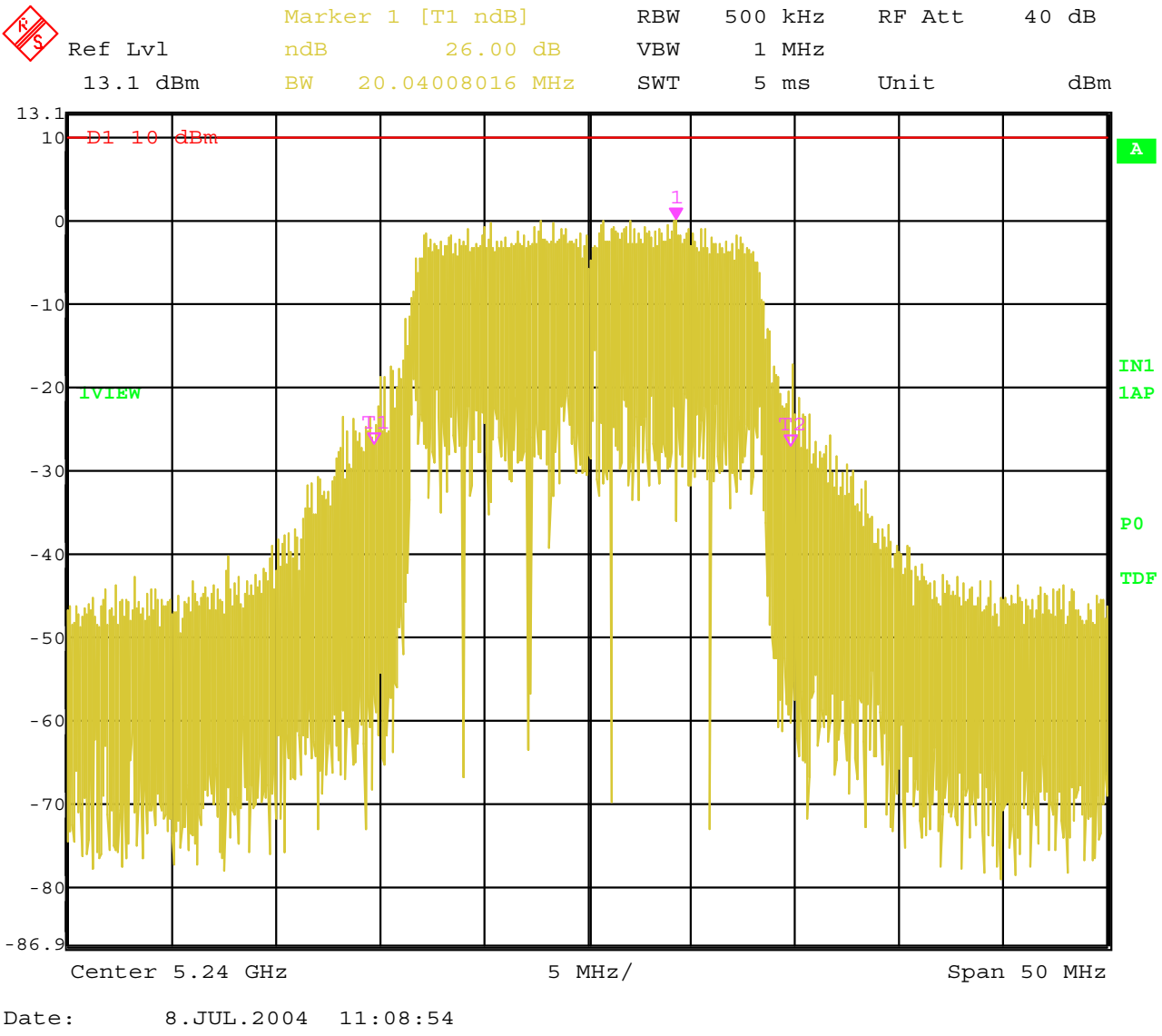

Bandwidth 20 dB – Channel 64 – UNII Mode

# *-26 dB BANDWIDTH*

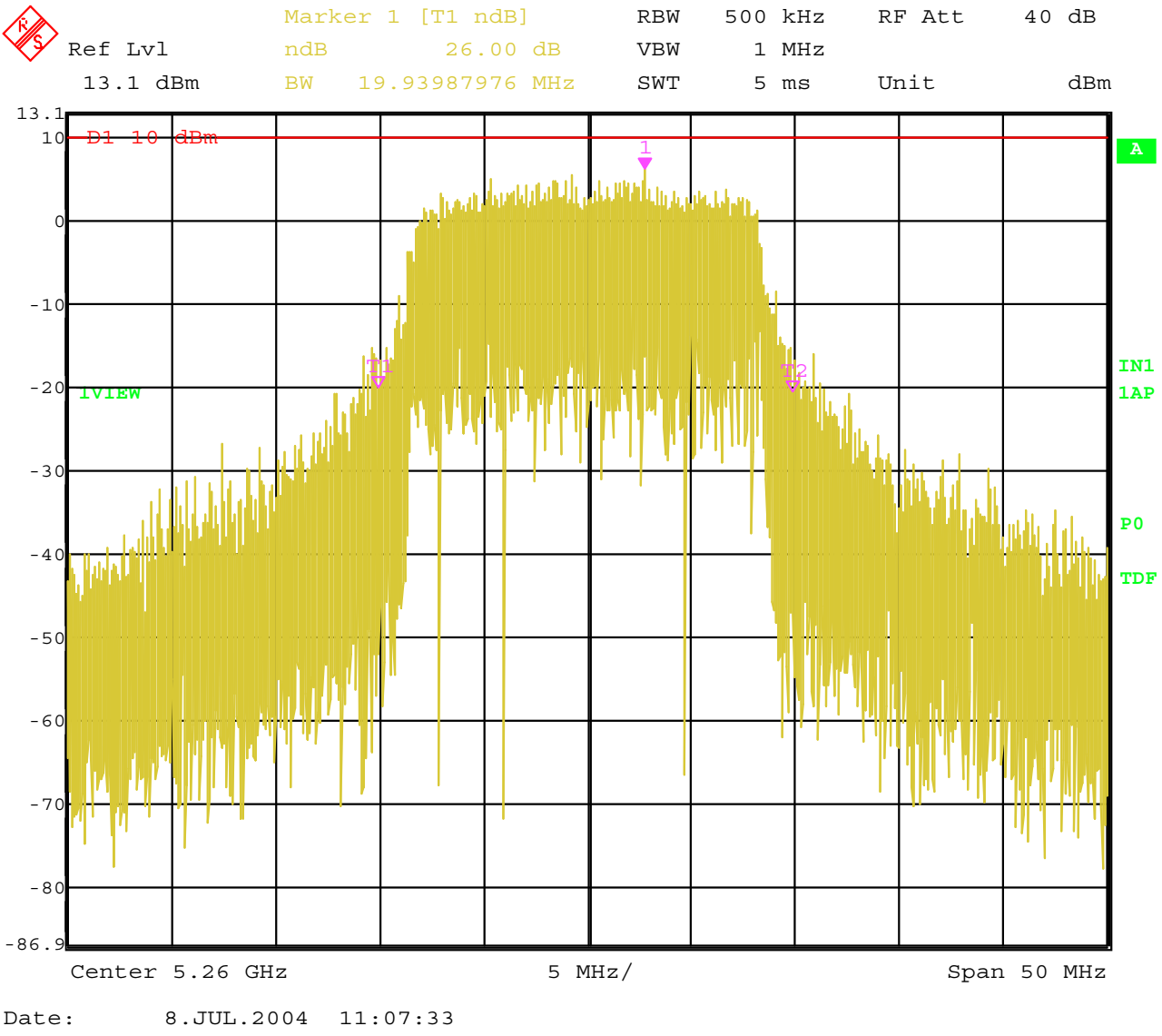
# *DATA SHEETS*



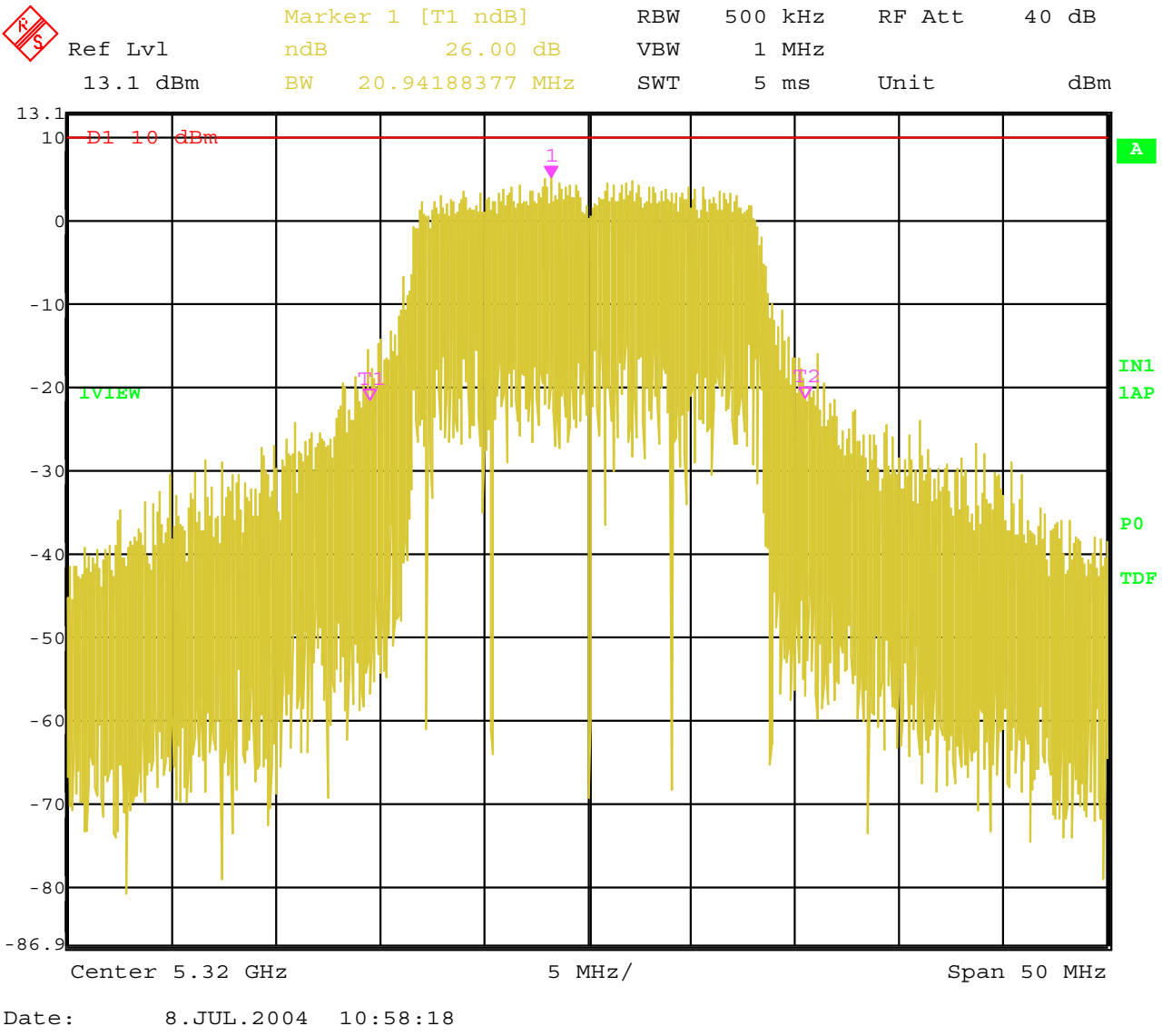

Bandwidth 26 dB – Channel 36 – UNII Mode




Bandwidth 26 dB – Channel 48 – UNII Mode




Bandwidth 26 dB – Channel 52 – UNII Mode




Bandwidth 26 dB – Channel 64 – UNII Mode

# *PEAK TRANSMIT POWER*

# *DATA SHEETS*

# PEAK OUTPUT POWER

## Intel Corporation

## Intel Mini PCI Type 802.11 ABG Wireless LAN Adapter

## MODEL: WM3B2915ABG

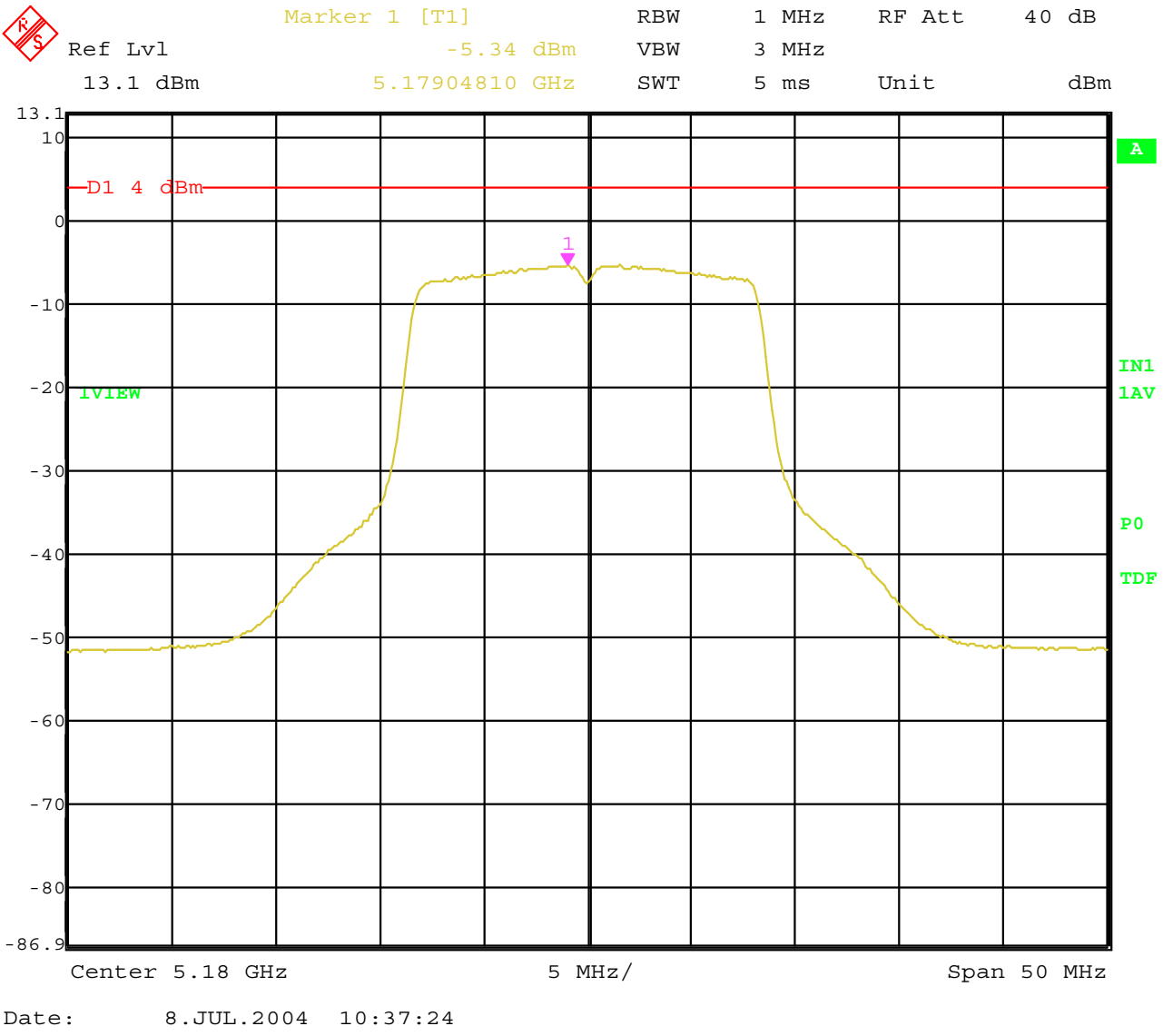
## For use in the HP Agency Series #: PP3006 (Tablet Type)

## UNII Mode (Worst Case Rate is 6 Mbps)

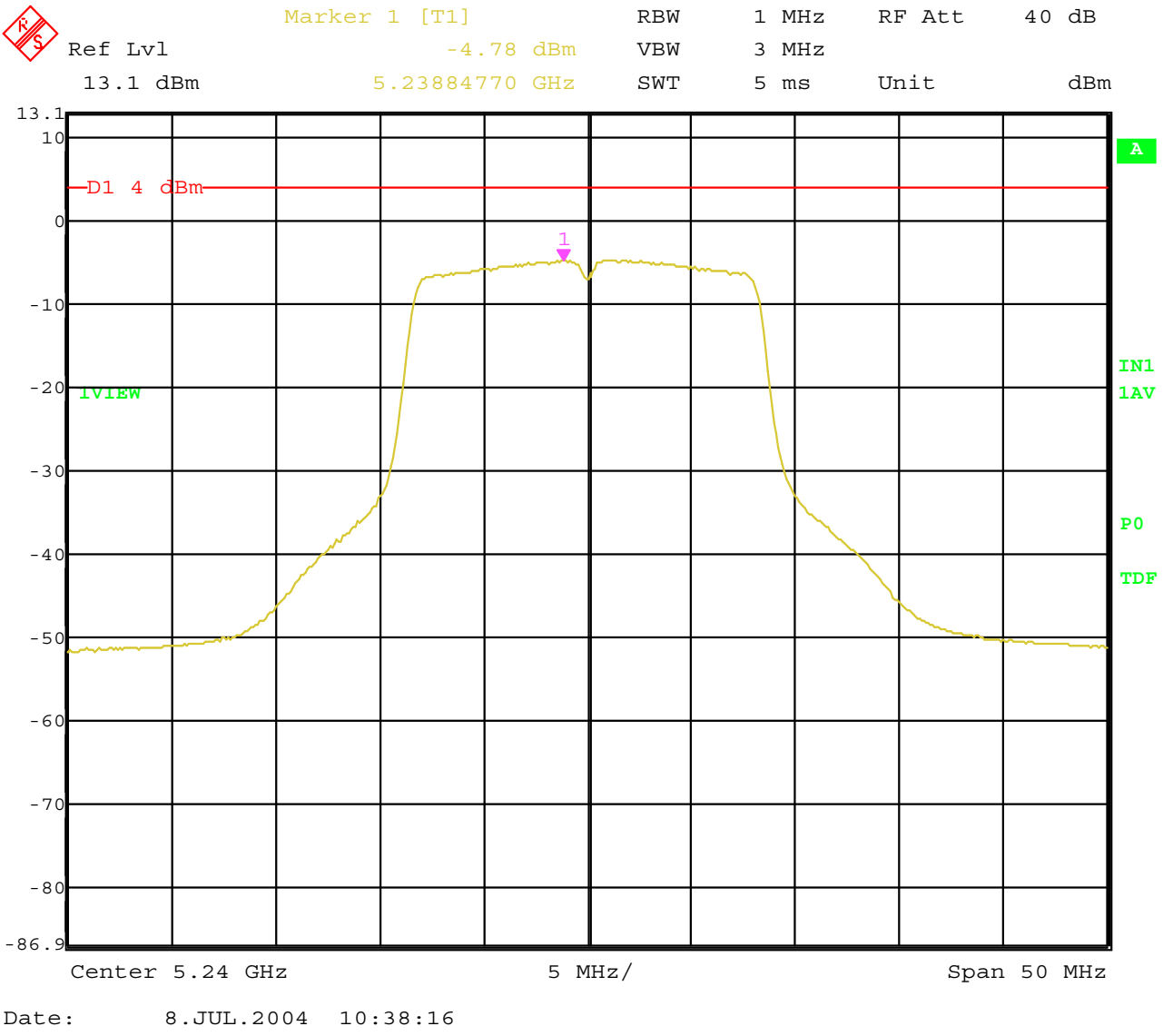
| CHANNEL | GAIN | PEAK POWER OUTPUT (dBm) |
|---|---|---|
| 36 (5180 MHz) | 7.5 | 16.72 |
| 48 (5240 MHz) | 10.0 | 16.78 |
| 52 (5260 MHz) | 14.5 | 21.14 |
| 64 (5320 MHz) | 14.0 | 21.15 |

# *PEAK POWER SPECTRAL DENSITY*

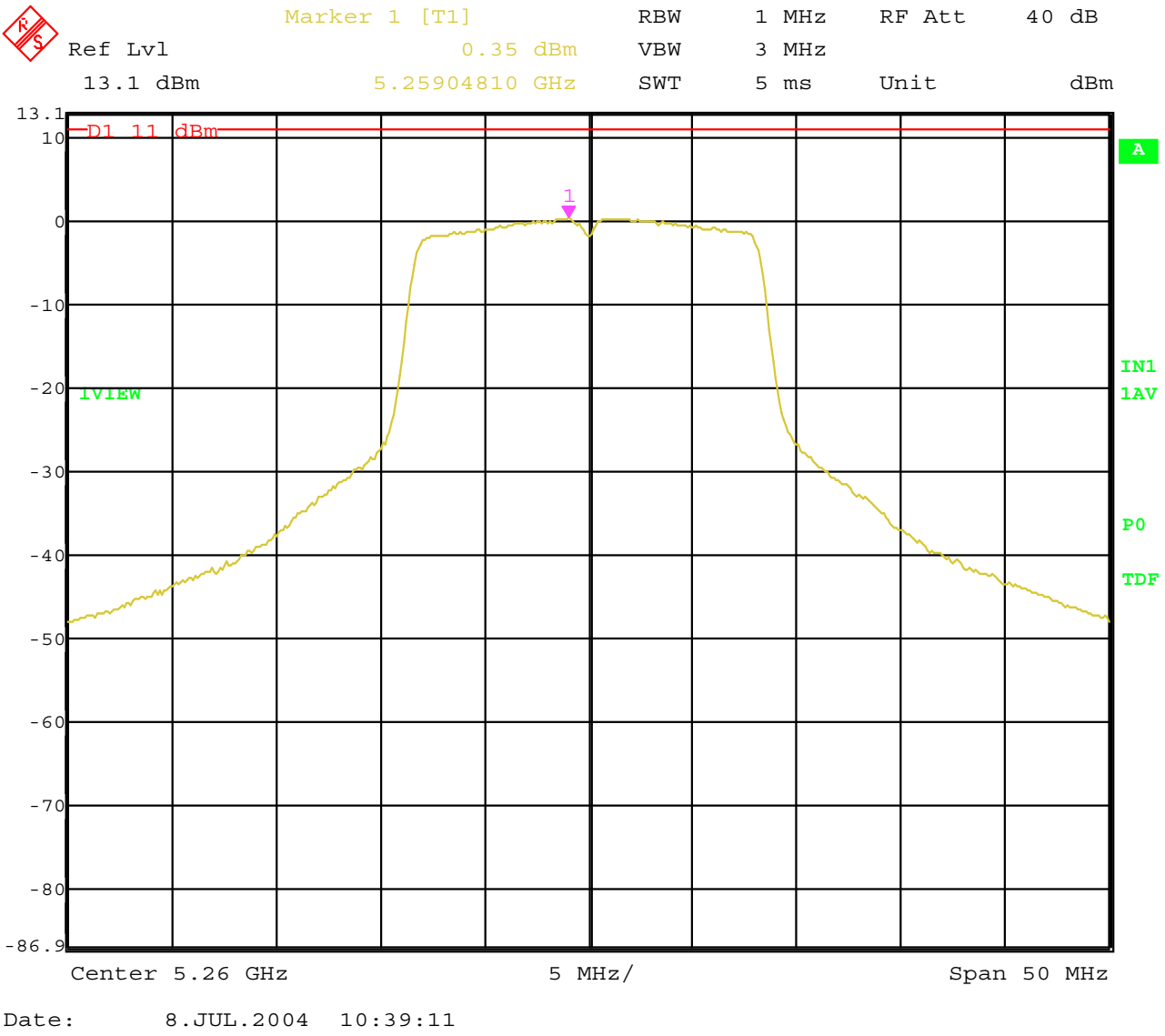
# *DATA SHEETS*



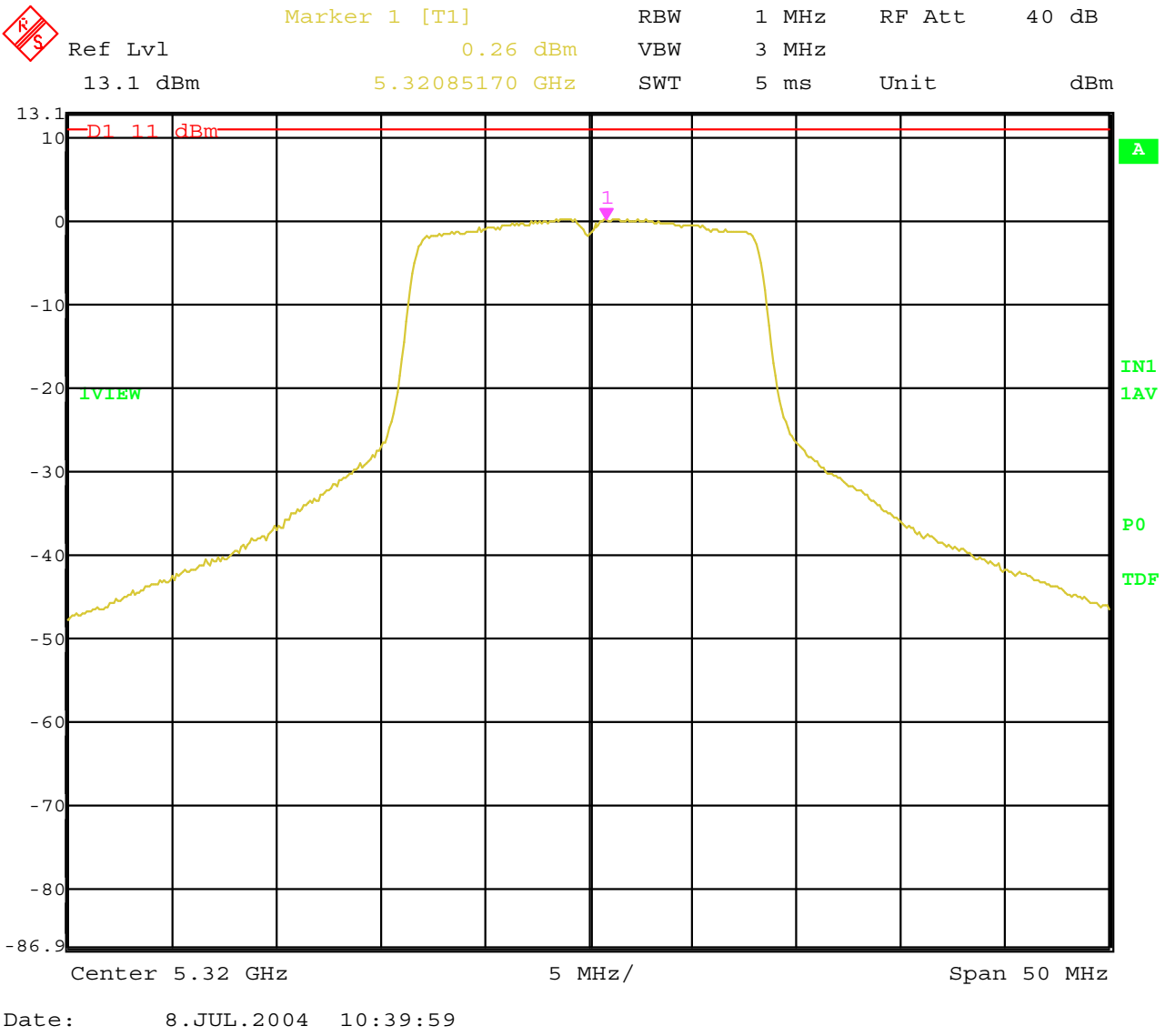

Peak Power Spectral Density – Channel 36 – UNII Mode – FCC



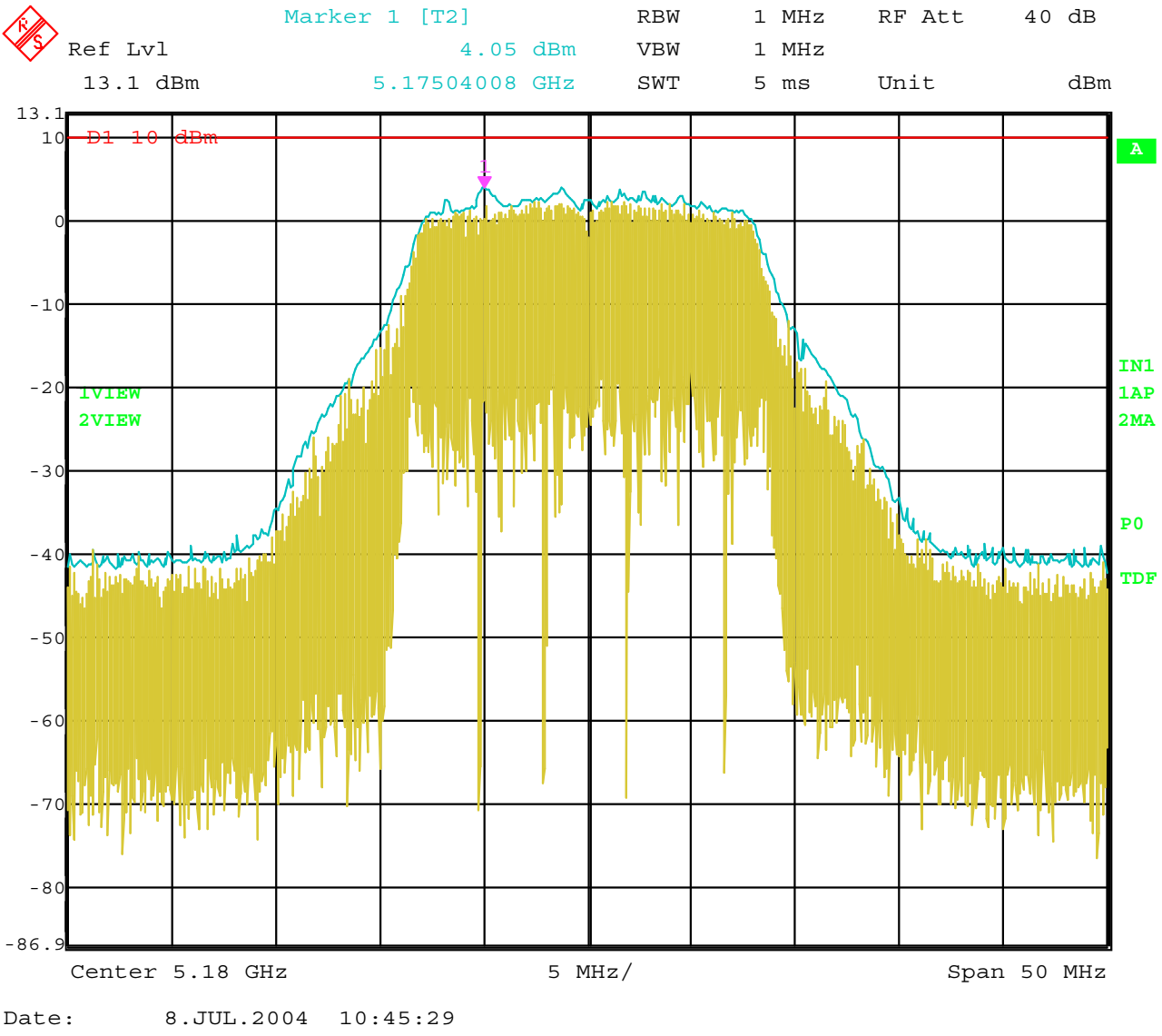

Peak Power Spectral Density – Channel 48 – UNII Mode – FCC



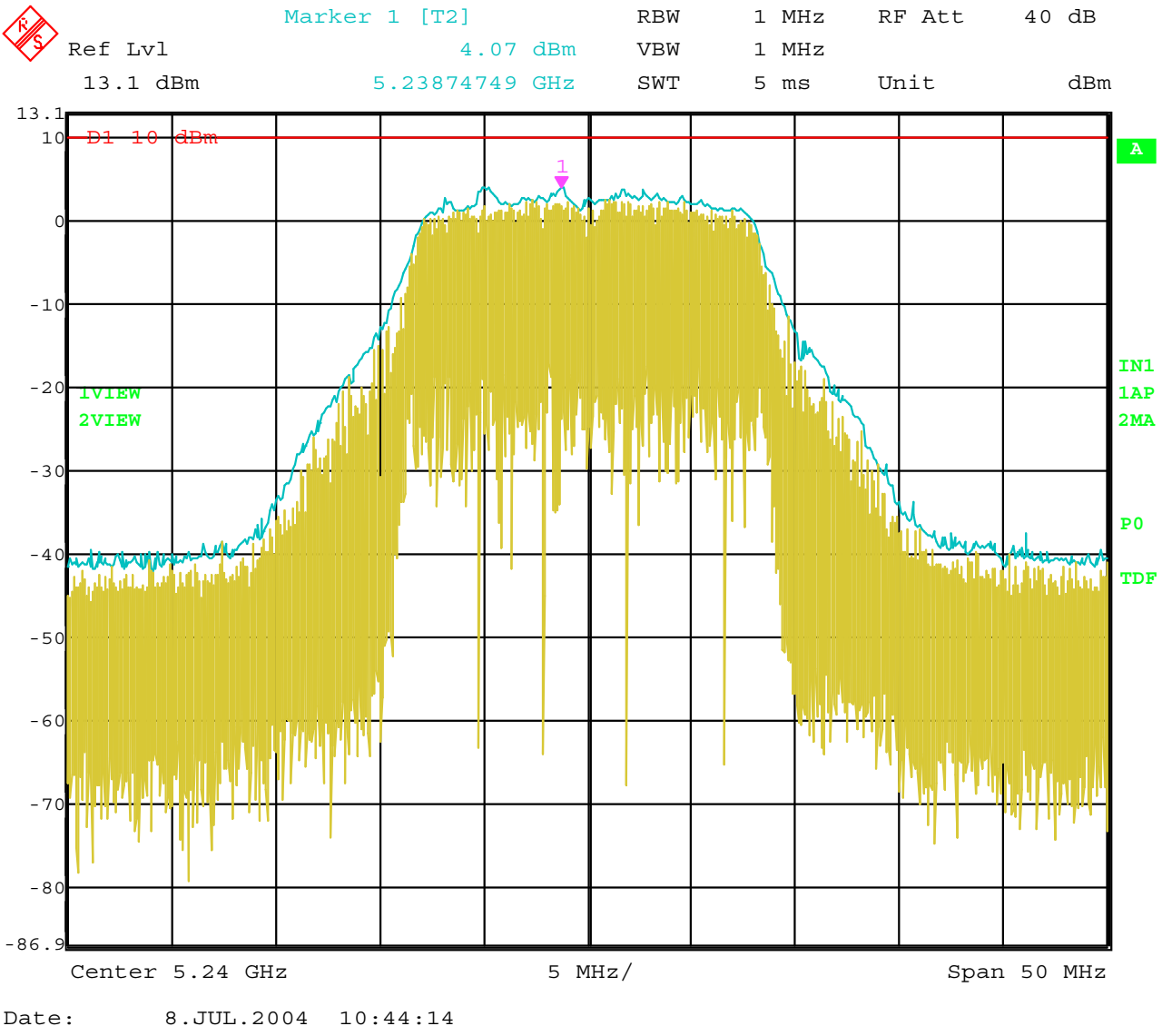

Peak Power Spectral Density – Channel 52 – UNII Mode – FCC



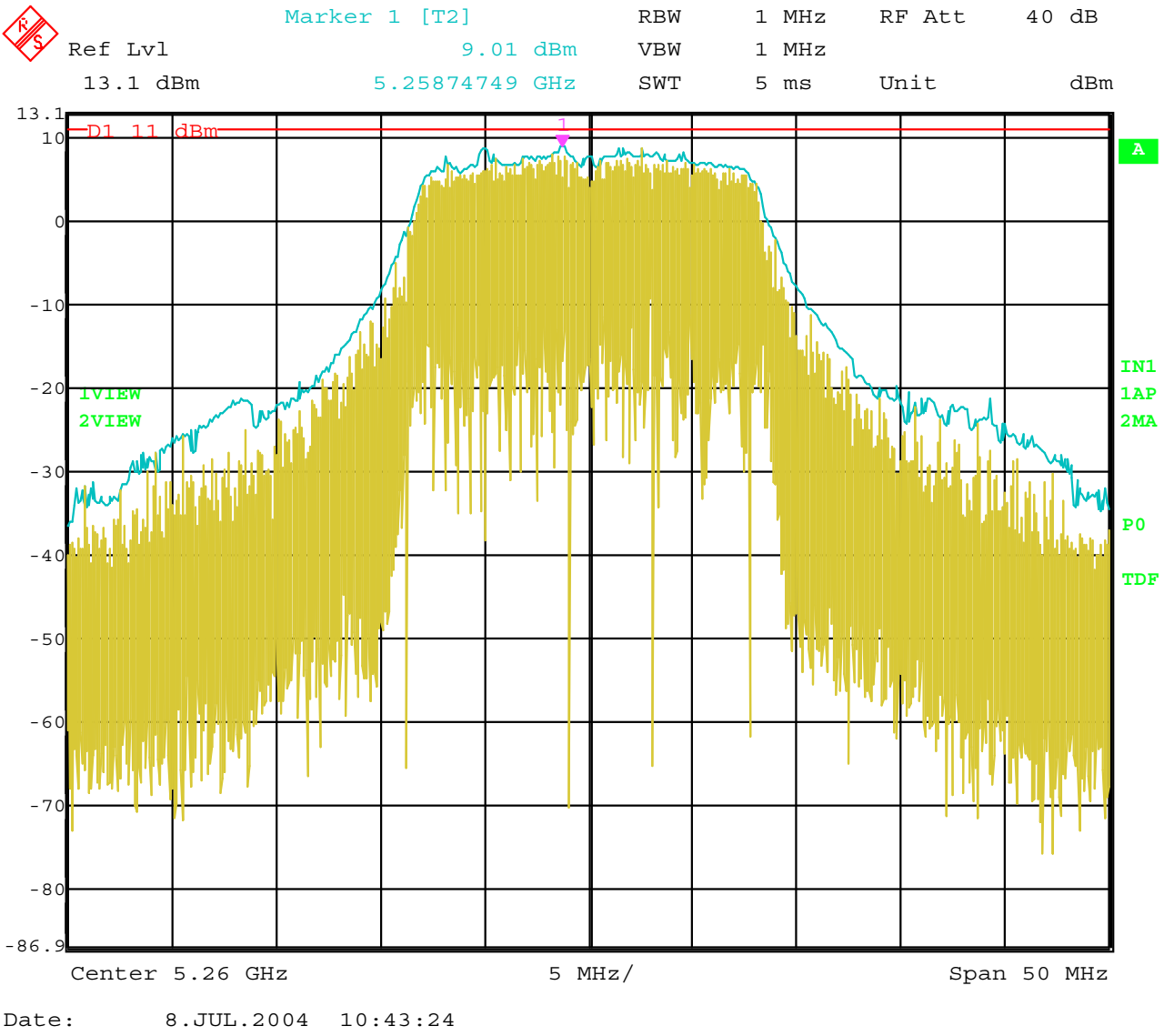

Peak Power Spectral Density – Channel 64 – UNII Mode – FCC



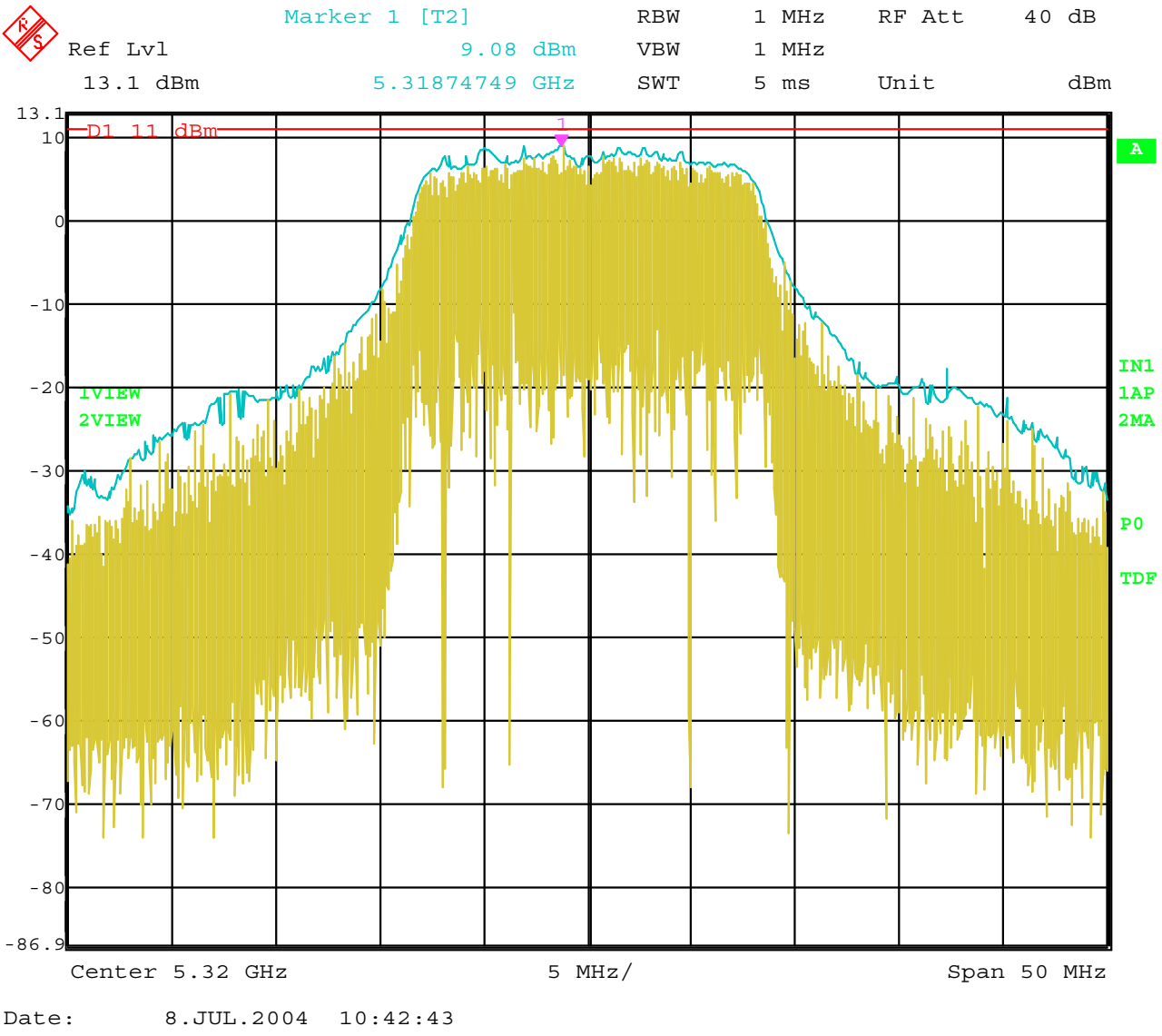

Peak Power Spectral Density – Channel 36 – UNII Mode – RSS-210




Peak Power Spectral Density – Channel 48 – UNII Mode – RSS-210



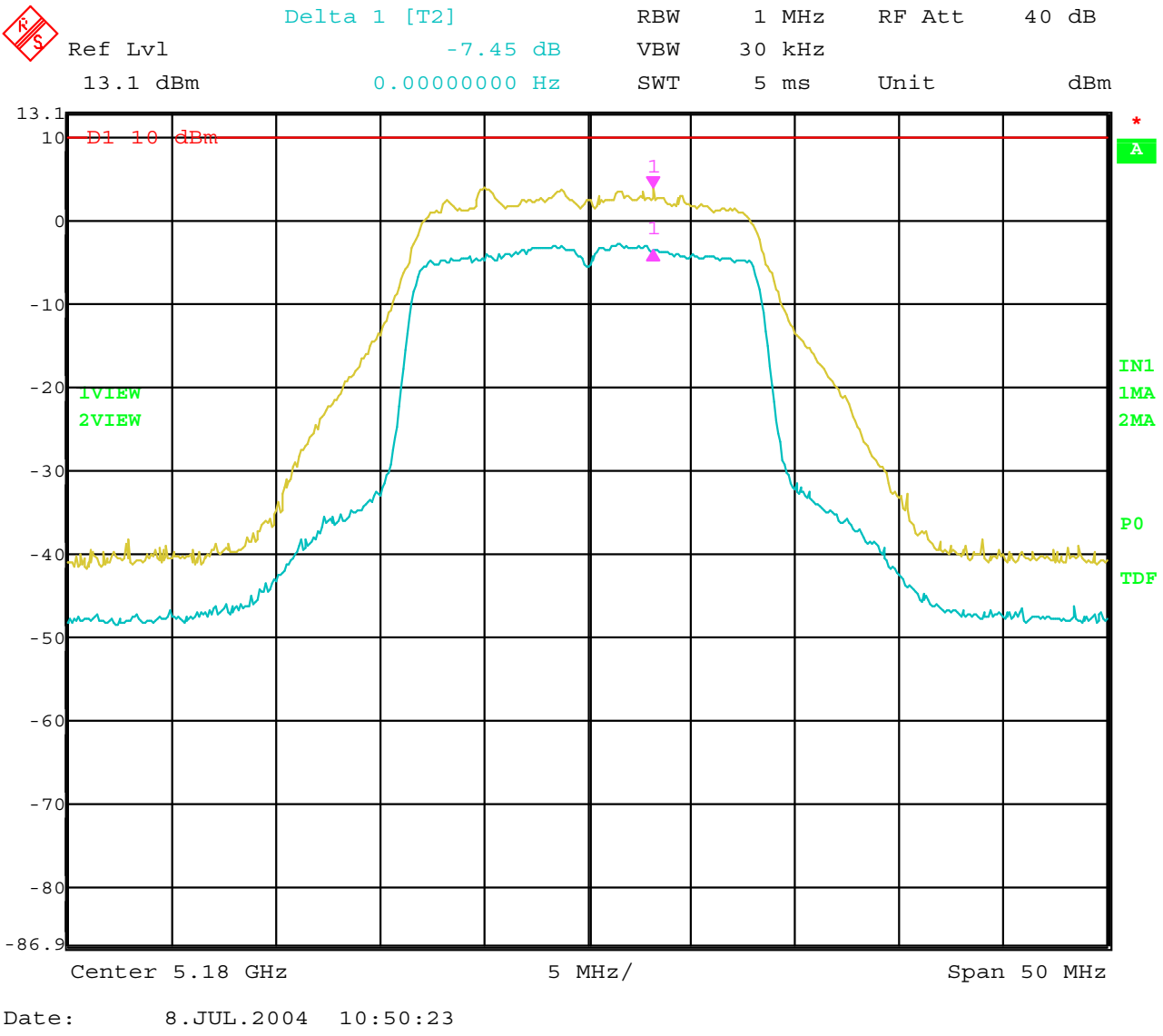

Peak Power Spectral Density – Channel 52 – UNII Mode – RSS-210



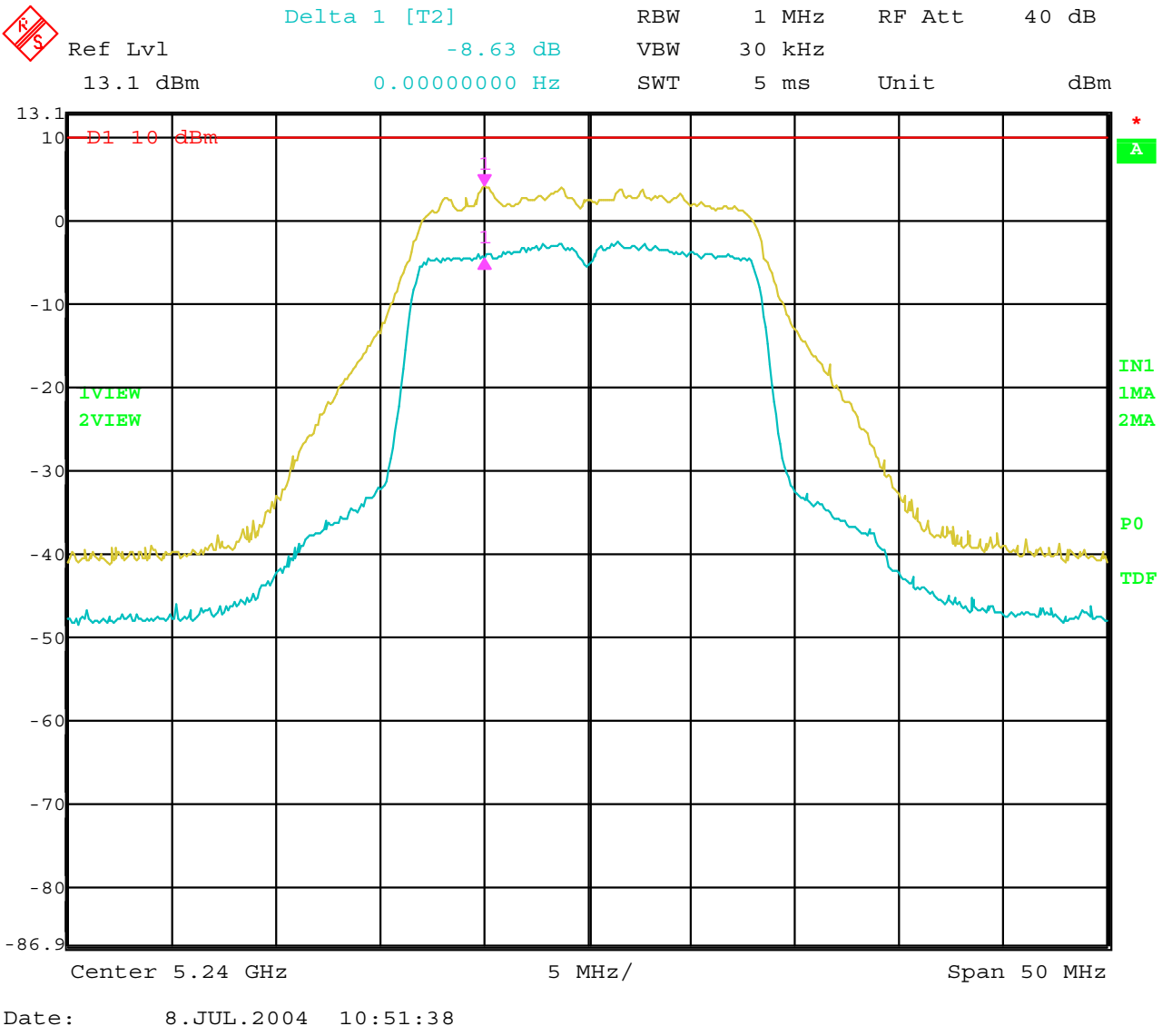

Peak Power Spectral Density – Channel 64 – UNII Mode – RSS-210

# *PEAK EXCURSION*

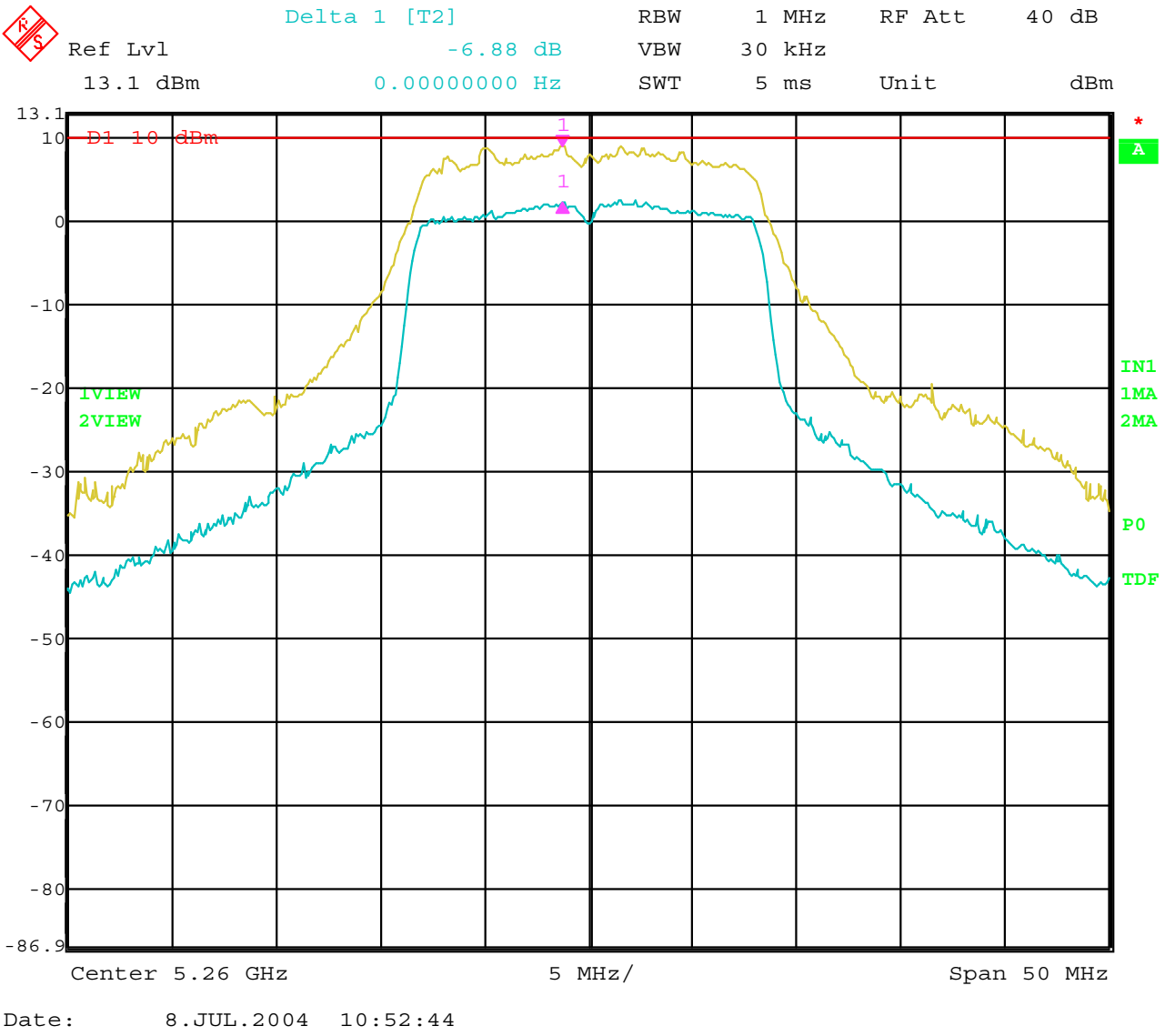
# *DATA SHEETS*



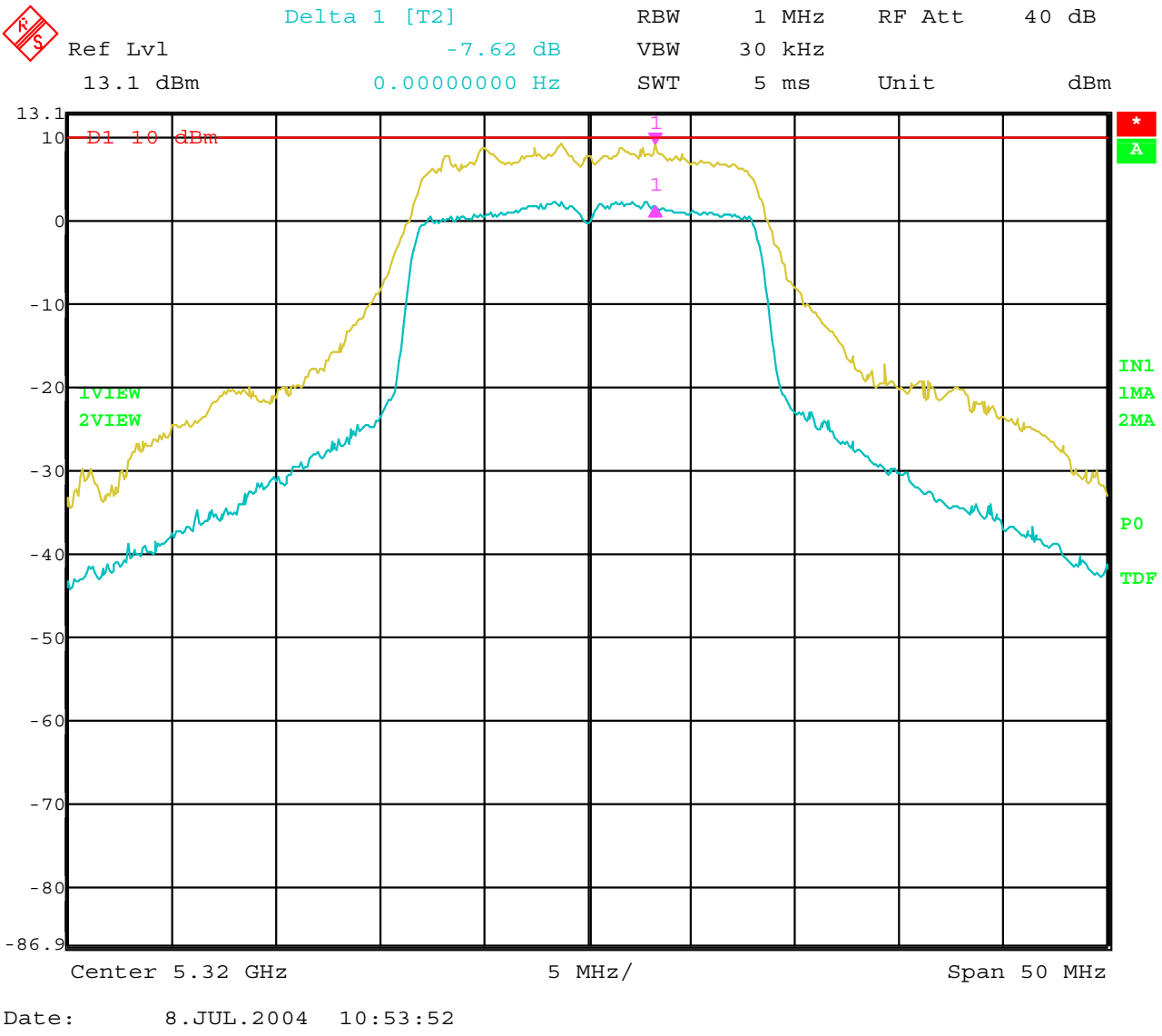

Peak Excursion – Channel 36 – UNII Mode




Peak Excursion – Channel 48 – UNII Mode




Peak Excursion – Channel 52 – UNII Mode




Peak Excursion – Channel 64 – UNII Mode

# *BAND EDGES*

# *DATA SHEETS*

**FCC Subpart E**

Intel Corporation — Date: 07/07/04
Intel Mini PCI Type 802.11ABG Wireless LAN Adapter — Lab: B
Model: WM3B2915ABG — Tested By: Benigno Chavez
Configuration: Hewlett Packard Series PP3006 Tablet Computer

**Channel 36 - UNII Mode** **Transmit Mode**
Gain : 7.5 Peak Power: 16.72 dBm Avg. Power: 10.25 dBm
**Channel 48 - UNII Mode** **Transmit Mode**
Gain : 10.0 Peak Power: 16.78 dBm Avg. Power: 10.35 dBm
**Channel 52 - UNII Mode** **Transmit Mode**
Gain : 14.5 Peak Power: 21.14 dBm Avg. Power: 15.25 dBm
**Channel 64 - UNII Mode** **Transmit Mode**
Gain : 14.0 Peak Power: 21.15 dBm Avg. Power: 15.50 dBm

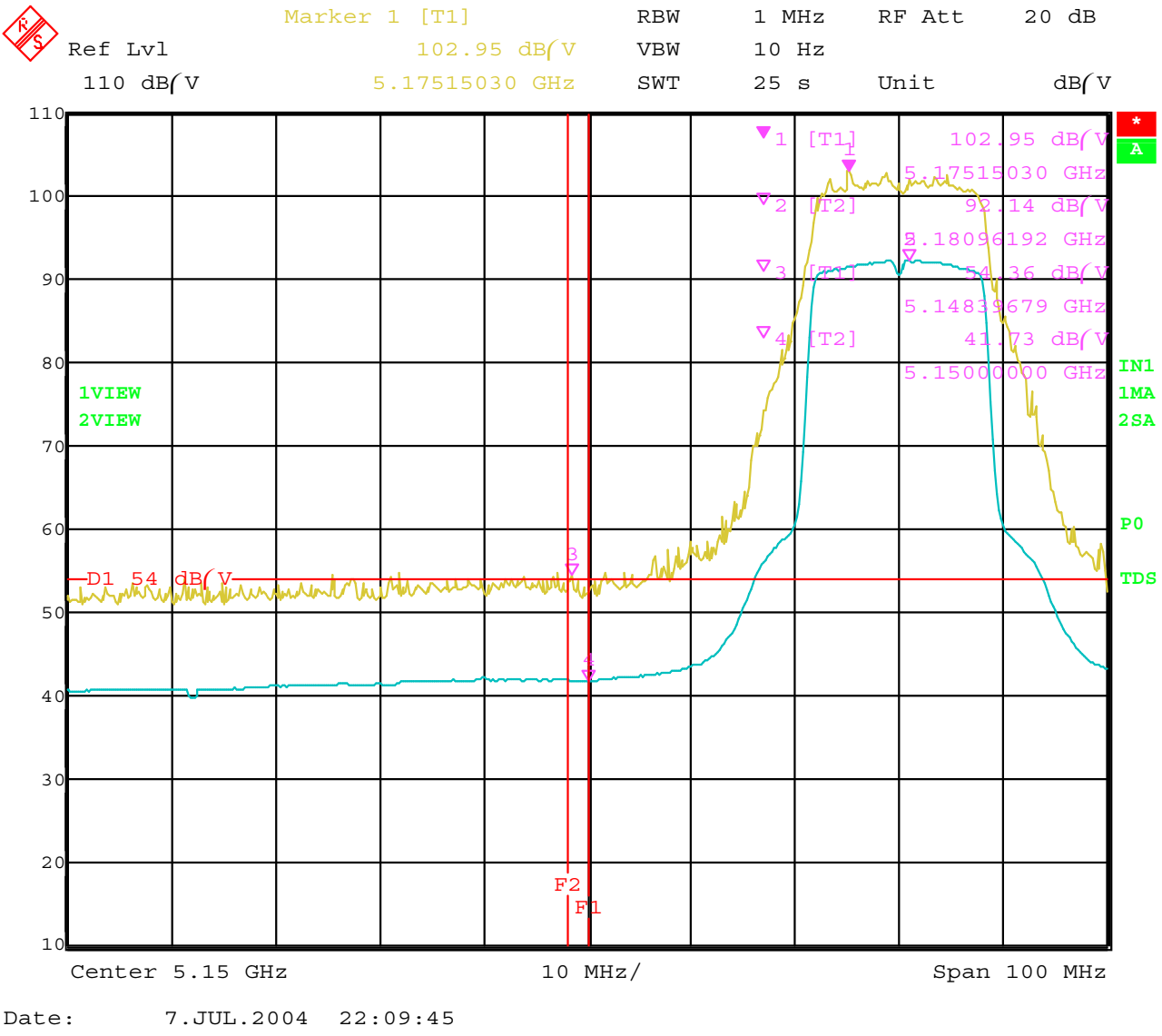
| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 5180 | 102.95 | V | -- | -- | Peak | 2 | 315 | Fundamental - Channel 36 |
| 5180 | 92.14 | V | -- | -- | Avg | 2 | 315 | Fundamental - Channel 36 |
| | | | | | | | | |
| 5150 | 54.36 | V | 74 | -19.64 | Peak | 2 | 315 | Band Edge Channel 36 |
| 5150 | 41.73 | V | 54 | -12.27 | Avg | 2 | 315 | Band Edge Channel 36 |
| | | | | | | | | |
| 5240 | 100.87 | V | -- | -- | Peak | 2 | 315 | Fundamental - Channel 48 |
| 5240 | 89.34 | V | -- | -- | Avg | 2 | 315 | Fundamental - Channel 48 |
| | | | | | | | | |
| 5260 | 102.09 | V | -- | -- | Peak | 2 | 315 | Fundamental - Channel 52 |
| 5260 | 91.36 | V | -- | -- | Avg. | 2 | 315 | Fundamental - Channel 52 |
| | | | | | | | | |
| 5320 | 101.99 | V | -- | -- | Peak | 1.75 | 315 | Fundamental - Channel 64 |
| 5320 | 91.19 | V | -- | -- | Avg | 1.75 | 315 | Fundamental - Channel 64 |
| | | | | | | | | |
| 5350 | 58.01 | V | 74 | -15.99 | Peak | 1.75 | 315 | Band Edge Channel 64 |
| 5350 | 43.34 | V | 54 | -10.66 | Avg | 1.75 | 315 | Band Edge Channel 64 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

**FCC Subpart E**

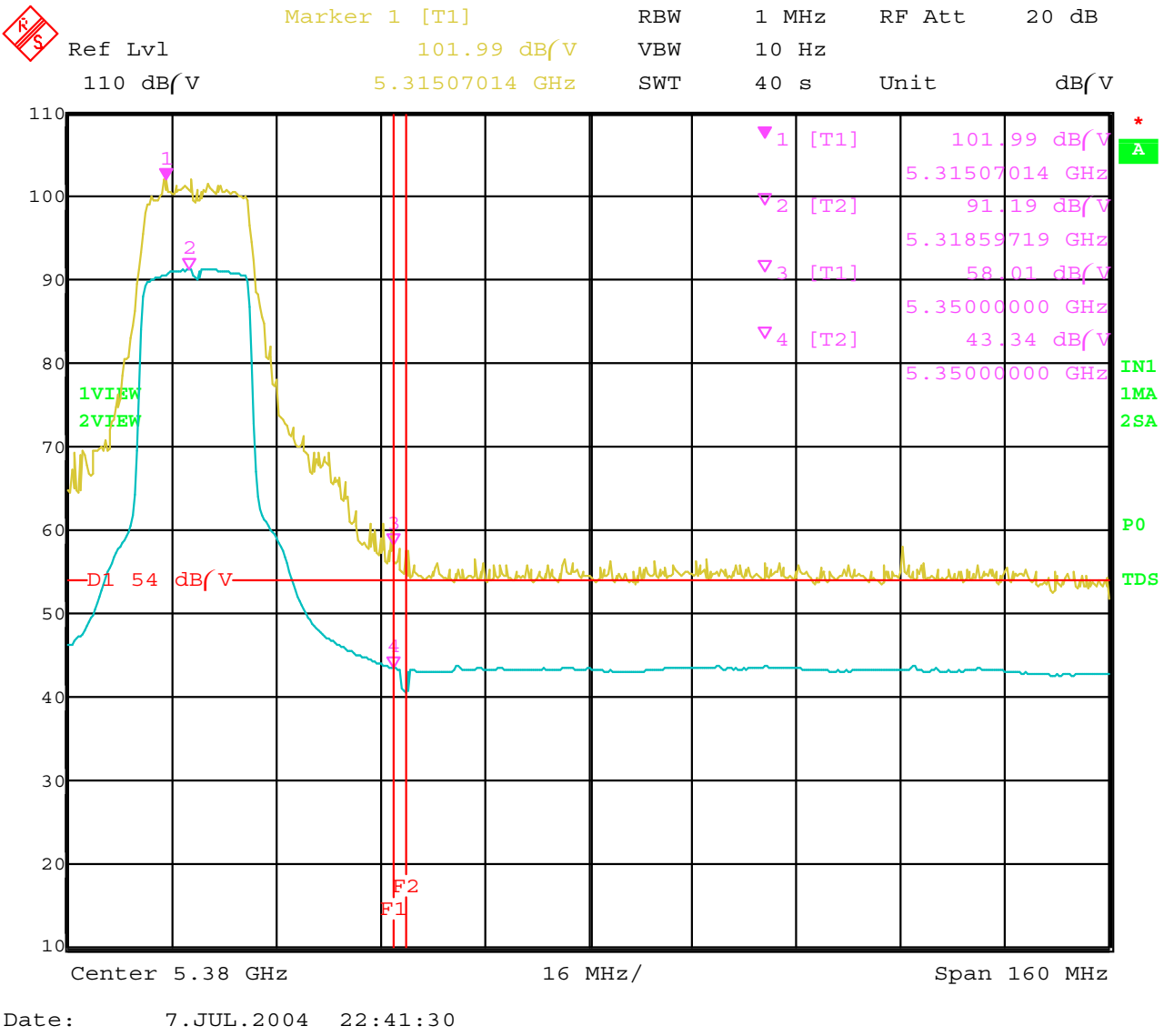
Intel Corporation — Date: 07/07/04
Intel Mini PCI Type 802.11ABG Wireless LAN Adapter — Lab: B
Model: WM3B2915ABG — Tested By: Benigno Chavez
Configuration: Hewlett Packard Series PP3006 Tablet Computer

**Channel 36 - UNII Mode** **Transmit Mode**
Gain : 7.5 Peak Power: 16.72 dBm Avg. Power: 10.25 dBm
**Channel 48 - UNII Mode** **Transmit Mode**
Gain : 10.0 Peak Power: 16.78 dBm Avg. Power: 10.35 dBm
**Channel 52 - UNII Mode** **Transmit Mode**
Gain : 14.5 Peak Power: 21.14 dBm Avg. Power: 15.25 dBm
**Channel 64 - UNII Mode** **Transmit Mode**
Gain : 14.0 Peak Power: 21.15 dBm Avg. Power: 15.50 dBm

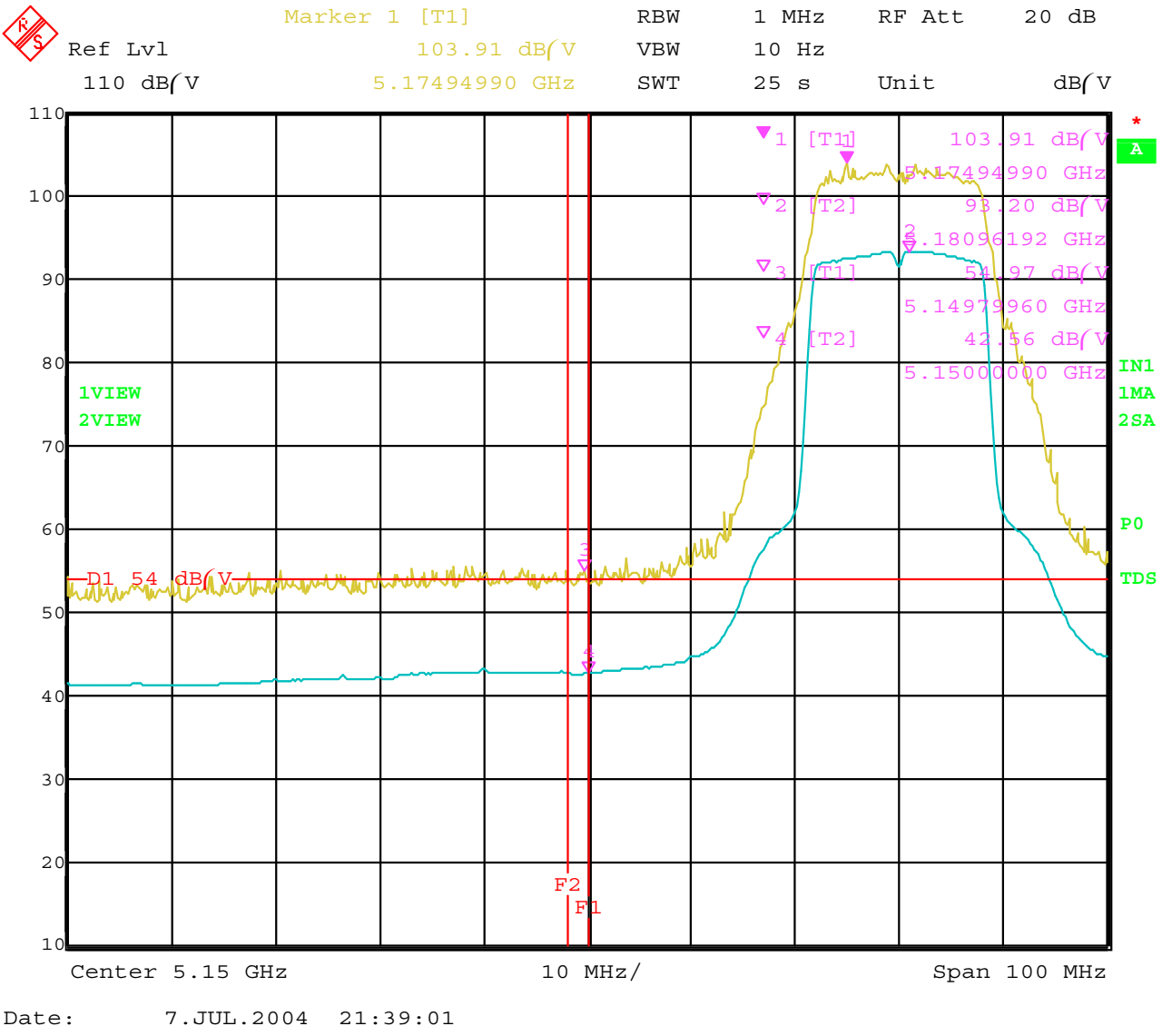
| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 5180 | 103.91 | H | -- | -- | Peak | 2 | 45 | Fundamental - Channel 36 |
| 5180 | 93.2 | H | -- | -- | Avg | 2 | 45 | Fundamental - Channel 36 |
| | | | | | | | | |
| 5150 | 54.97 | H | 74 | -19.03 | Peak | 2 | 45 | Band Edge Channel 36 |
| 5150 | 42.56 | H | 54 | -11.44 | Avg | 2 | 45 | Band Edge Channel 36 |
| | | | | | | | | |
| 5240 | 102.09 | H | -- | -- | Peak | 2 | 45 | Fundamental - Channel 48 |
| 5240 | 90.96 | H | -- | -- | Avg | 2 | 45 | Fundamental - Channel 48 |
| | | | | | | | | |
| 5260 | 106.4 | H | -- | -- | Peak | 2 | 45 | Fundamental - Channel 52 |
| 5260 | 95.9 | H | -- | -- | Avg. | 2 | 45 | Fundamental - Channel 52 |
| | | | | | | | | |
| 5320 | 109.69 | H | -- | -- | Peak | 2 | 45 | Fundamental - Channel 64 |
| 5320 | 98.91 | H | -- | -- | Avg | 2 | 45 | Fundamental - Channel 64 |
| | | | | | | | | |
| 5350 | 65.88 | H | 74 | -8.12 | Peak | 2 | 45 | Band Edge Channel 64 |
| 5429.8 | 50.45 | H | 54 | -3.55 | Avg | 2 | 45 | Band Edge Channel 64 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |



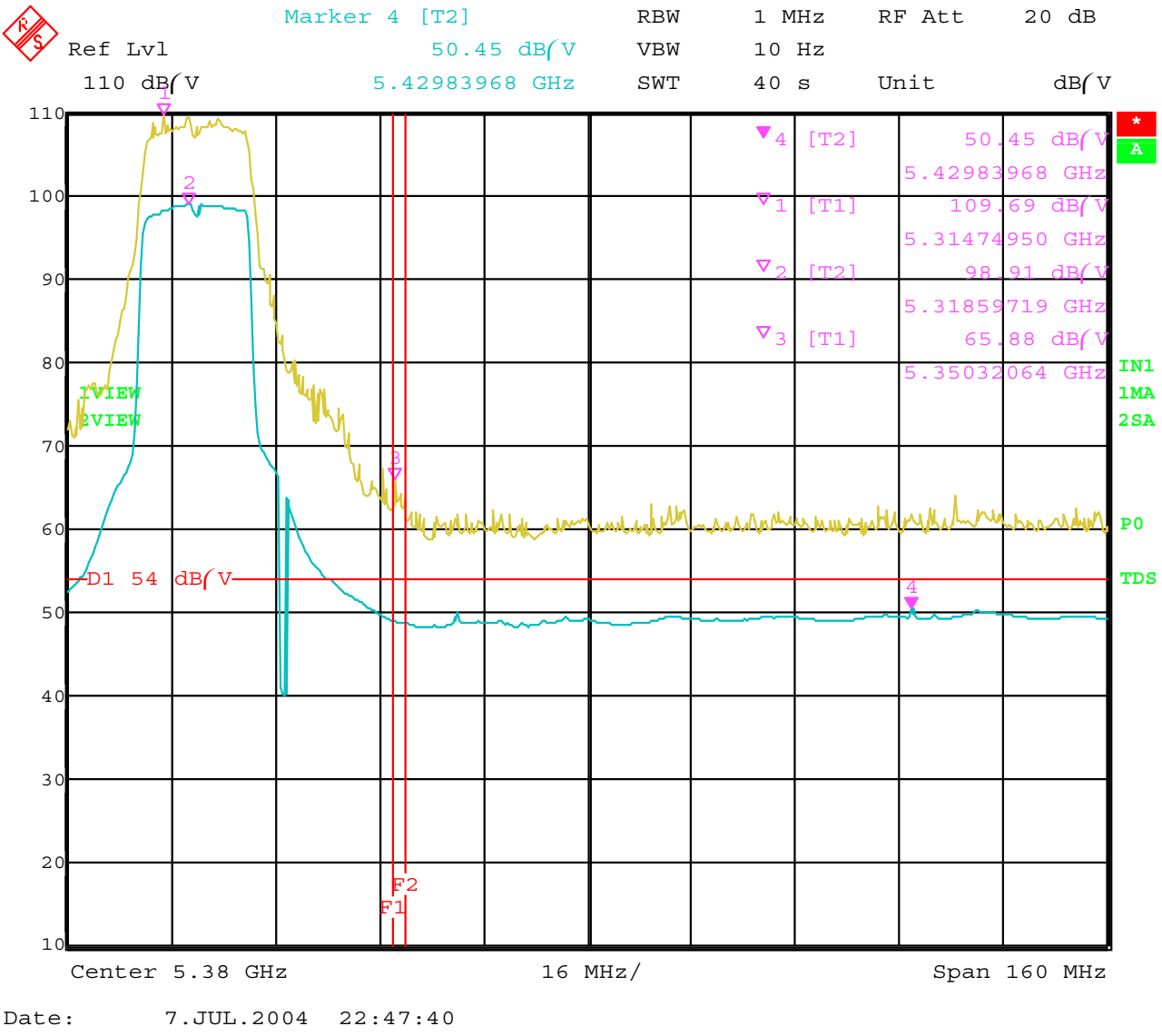

Band Edge – Channel 1 – Vertical Polarization – 802.11 UNII Mode




Band Edge – Channel 11 – Vertical Polarization – 802.11 UNII Mode




Band Edge – Channel 1 – Horizontal Polarization – 802.11 UNII Mode




Band Edge – Channel 11 – Horizontal Polarization – 802.11 UNII Mode