



**APPENDIX E**

***DATA SHEETS***



***RADIATED EMISSIONS***

***DATA SHEETS***

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 36 - UNII Mode

## Transmit Mode

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

[illegible]

## Intel Corporation

Model: WM3B2915ABG

Date: 07/01/04

Lab: B

Tested By: Kyle Fujimoto

## Transmit Mode

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

[illegible]

Tested By: Kyle Fujimoto

## Transmit Mode

Gain : 10.0 Peak Power: 16.78 dBm Avg. Power: 10.35 dBm

[illegible]

**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 |                          |

Lab: B

Tested By: Kyle Fujimoto

Configuration: Hewlett Packard Series PP3006 Tablet Computer

## Transmit Mode

Gain : 10.0 Peak Power: 16.78 dBm Avg. Power: 10.35 dBm

[illegible]

Tested By: Kyle Fujimoto

Gain : 14.5 Peak Power: 21.14 dBm Avg. Power: 15.25 dBm

[illegible]

**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

Date: 07/01/04

Lab: B

Tested By: Kyle Fujimoto

computer

## Transmit Mode

Avg. Power: 15.25 dBm

[illegible]

Date: 07/01/04

Lab: B

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

[illegible]

Date: 07/01/04

Lab: B

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

[illegible]

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

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

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol (v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(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 Emissions 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 Emissions 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 Emissions 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 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 Mode****Transmit Mode**

Gain : 10.0 Peak Power: 16.78 dBm Avg. Power: 10.35 dBm

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol (v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(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 Emissions Detected |
|                |                 |           |       |        |                       |                       |                         |                                    |
| 34933          |                 | V         | 88.3  | -88.3  | Peak                  |                       |                         | 5th Harmonic of LO for             |
| 34933          |                 | V         | 68.3  | -68.3  | Avg                   |                       |                         | Channel 48 - No Emissions 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 Emissions Detected |
|                |                 |           |       |        |                       |                       |                         |                                    |
| 34933          |                 | H         | 88.3  | -88.3  | Peak                  |                       |                         | 5th Harmonic of LO for             |
| 34933          |                 | H         | 68.3  | -68.3  | Avg                   |                       |                         | Channel 48 - 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 52 - UNII Mode****Transmit Mode**

Gain : 14.5 Peak Power: 21.14 dBm Avg. Power: 15.25 dBm

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol (v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(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.<br>(MHz) | Level<br>(dBuV) | Pol (v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(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.<br>(MHz) | Level<br>(dBuV) | Pol (v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(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.<br>(MHz) | Level<br>(dBuV) | Pol (v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(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 |
|                |                 |           |       |        |                       |                       |                         |                                   |



**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<br>MHz | Rdng<br>dBuV | Cable<br>loss<br>dB | Ant<br>factor<br>dB | Amp<br>gain<br>dB | Cor'd<br>rdg = R<br>dBuV | Limit<br>= L<br>dBuV/m | Delta<br>R-L<br>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              |



**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<br>MHz | Rdng<br>dBuV | Cable<br>loss<br>dB | Ant<br>factor<br>dB | Amp<br>gain<br>dB | Cor'd<br>rdg = R<br>dBuV | Limit<br>= L<br>dBuV/m | Delta<br>R-L<br>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.<br>(MHz) | Level<br>(dBuV) | Pol (v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(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                     |          |
|                |                 |           |       |        |                       |                       |                         |          |

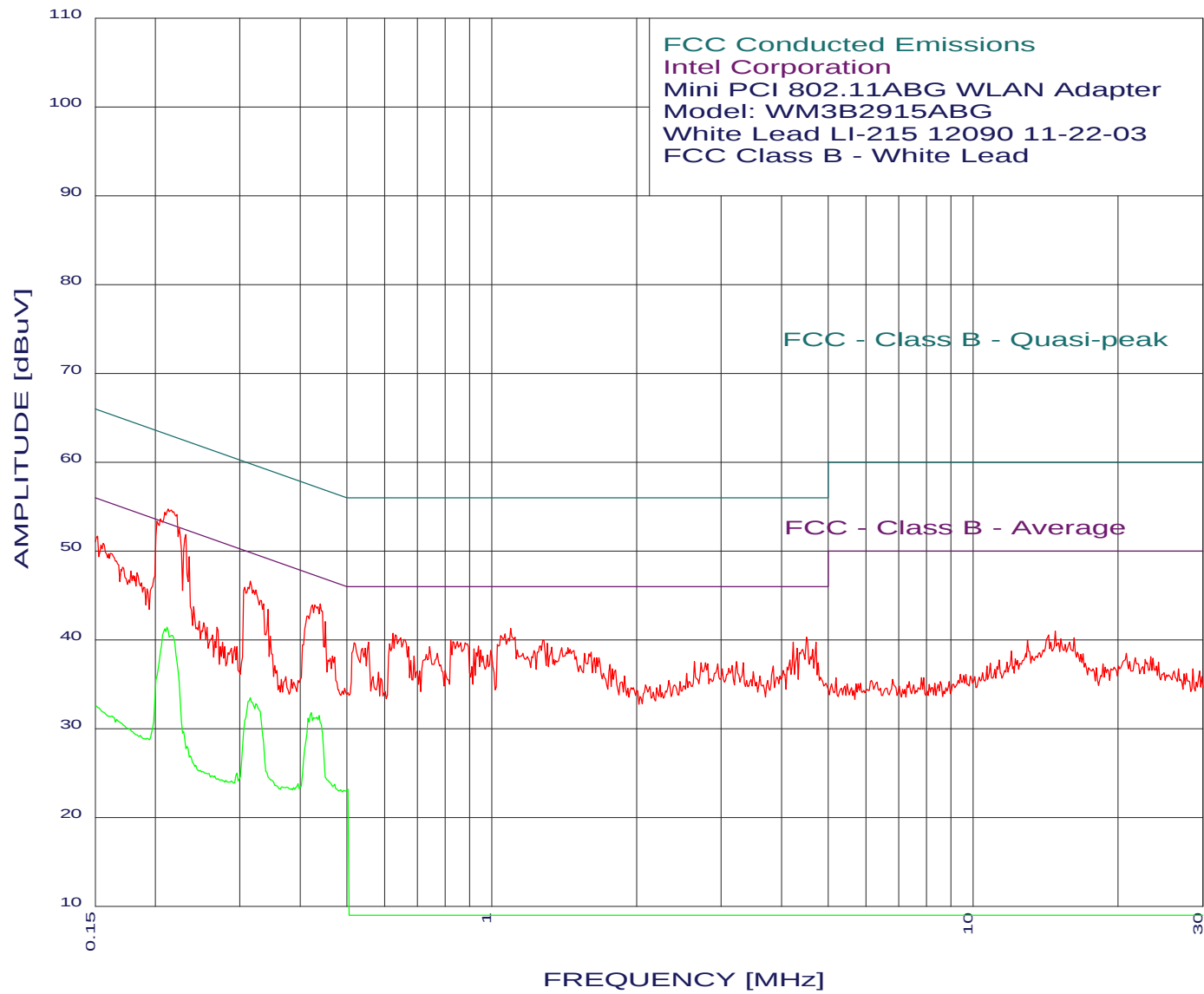


**CONDUCTED EMISSIONS**

**DATA SHEETS**

EMISSION LEVEL [dBuV] PEAK  
Graph for Peak & Average

7/09/2004 11:59:54



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

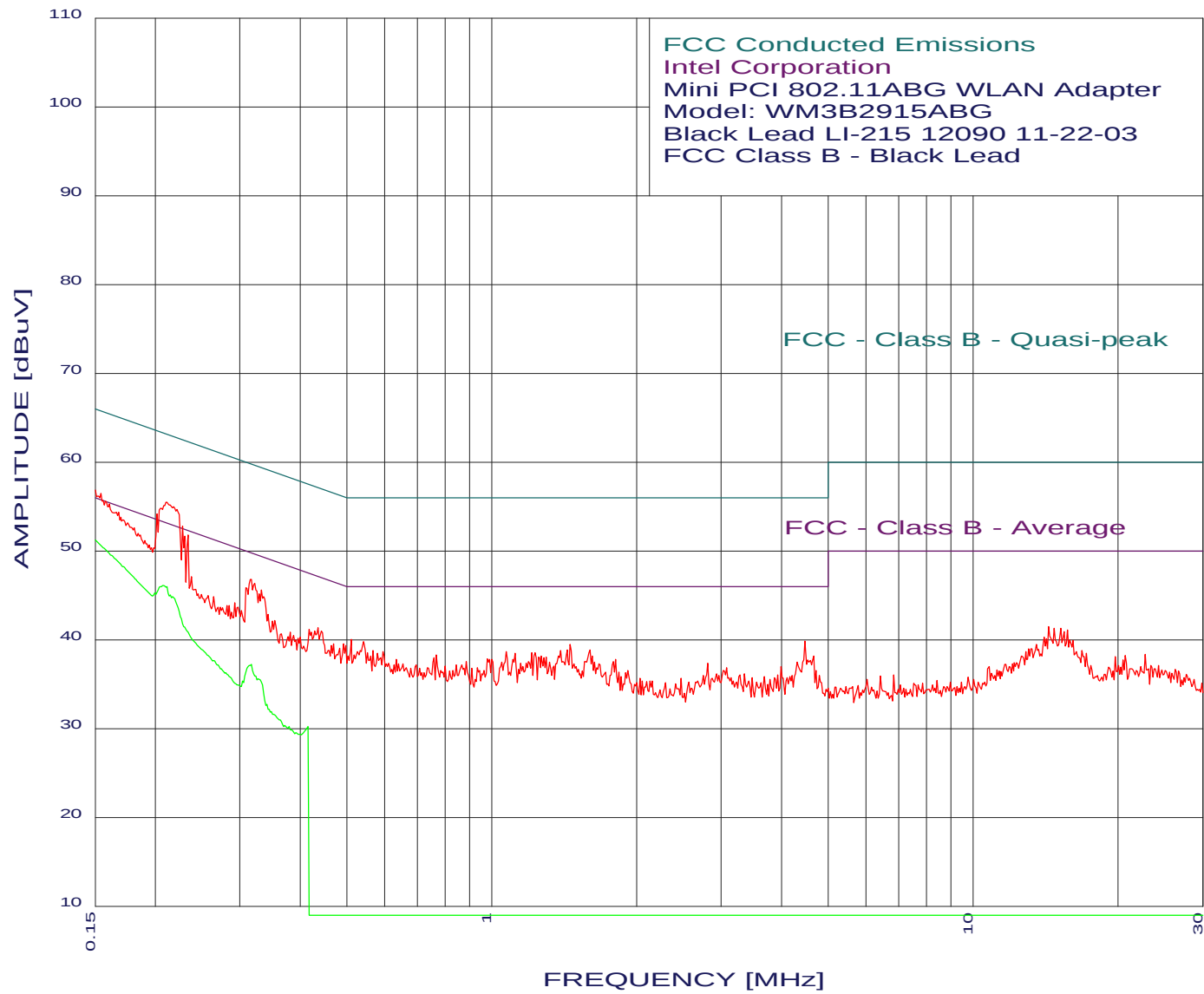
Peak criteria : 0.10 dB, Curve : Average

| 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    |

-----

EMISSION LEVEL [dBuV] PEAK  
Graph for Peak & Average

7/09/2004 11:54:22



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    |

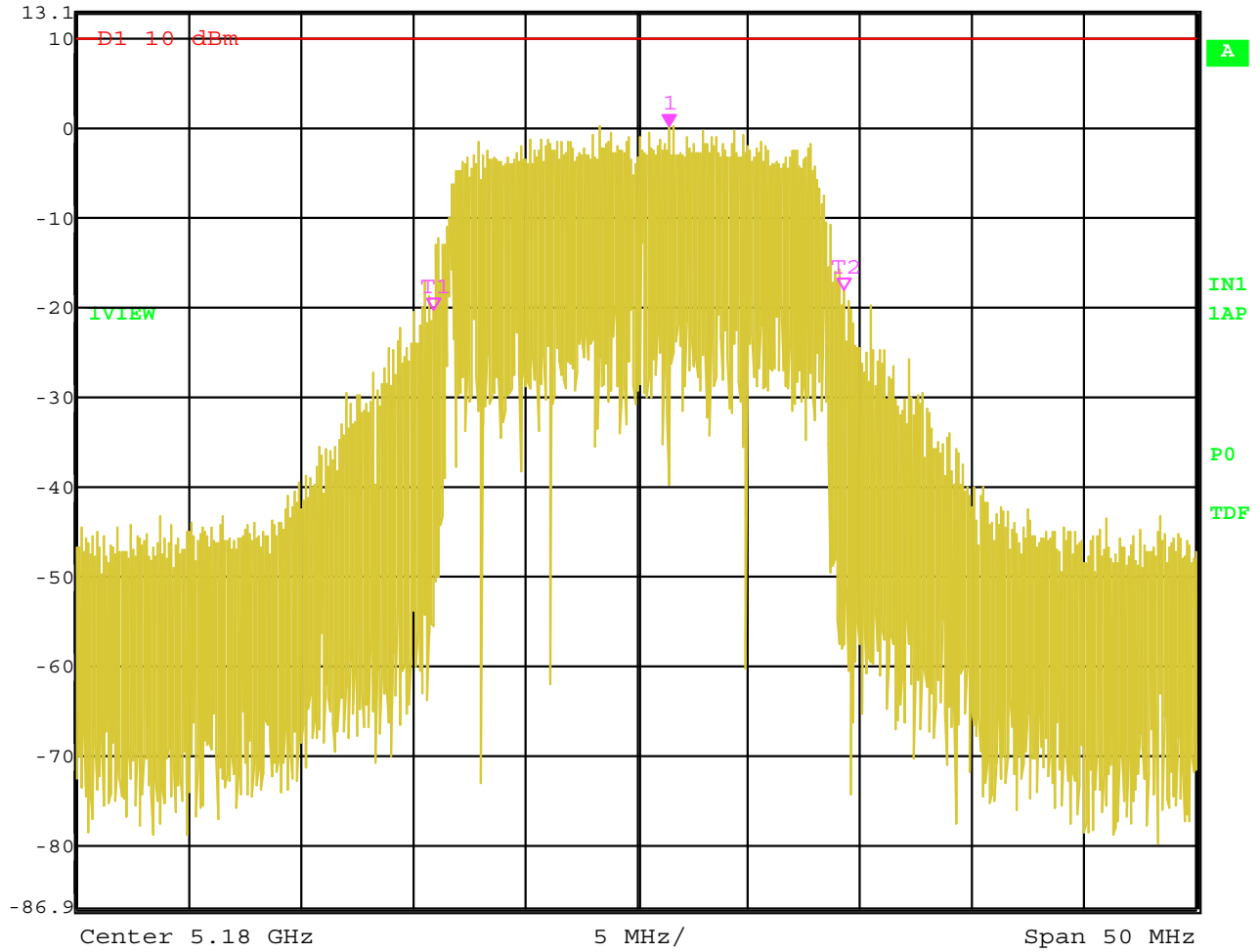
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***-20 dB BANDWIDTH***

***DATA SHEETS***



|          |                    |     |         |        |       |
|----------|--------------------|-----|---------|--------|-------|
| Ref Lvl  | Marker 1 [T1 ndB]  | RBW | 500 kHz | RF Att | 40 dB |
| 13.1 dBm | ndB 20.00 dB       | VBW | 1 MHz   |        |       |
|          | BW 18.33667335 MHz | SWT | 5 ms    | Unit   | dBm   |

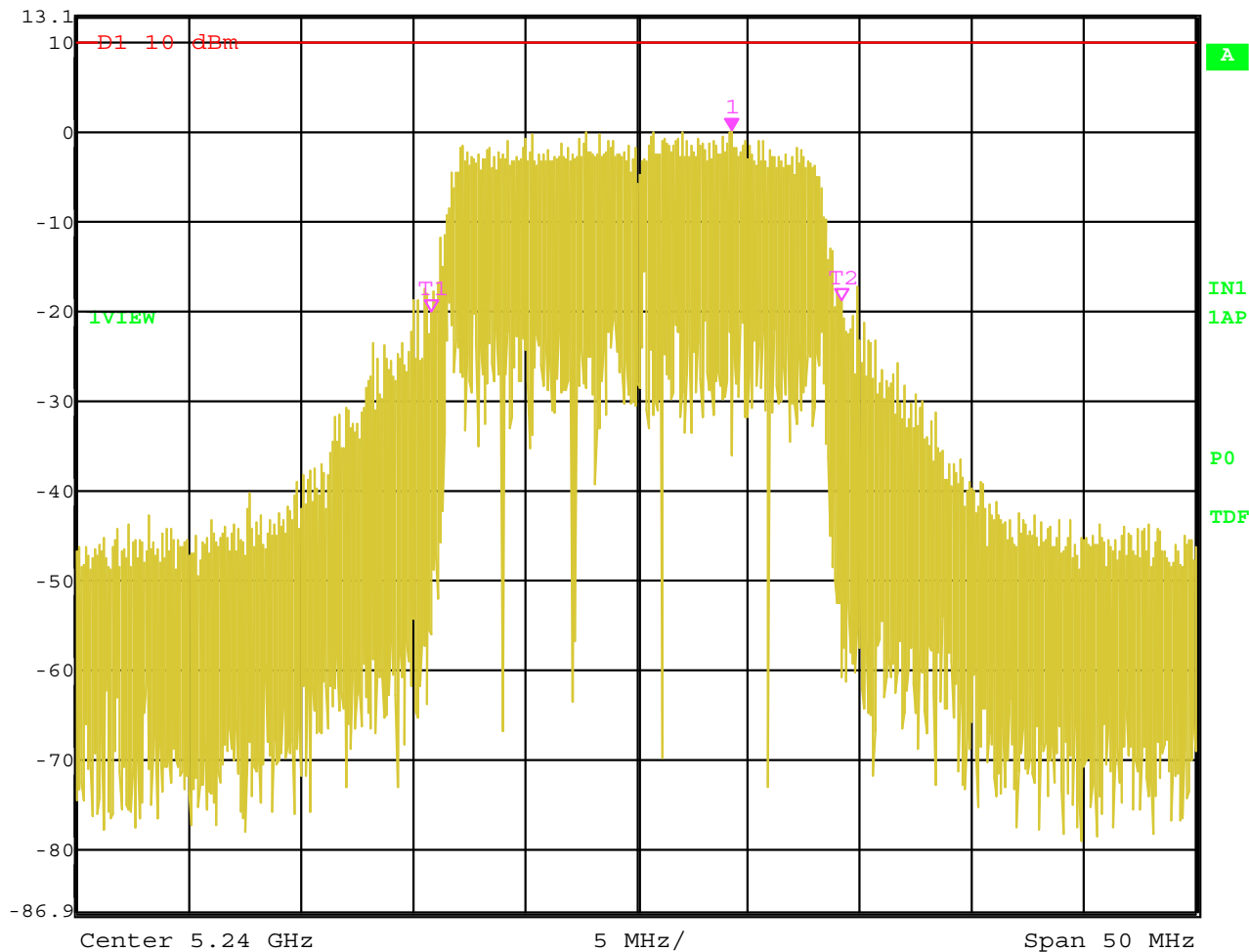


Date: 8.JUL.2004 11:09:30

Bandwidth 20 dB – Channel 36 – UNII Mode



|          |                    |     |         |        |       |
|----------|--------------------|-----|---------|--------|-------|
| Ref Lvl  | Marker 1 [T1 ndB]  | RBW | 500 kHz | RF Att | 40 dB |
| 13.1 dBm | ndB 20.00 dB       | VBW | 1 MHz   |        |       |
|          | BW 18.33667335 MHz | SWT | 5 ms    | Unit   | dBm   |

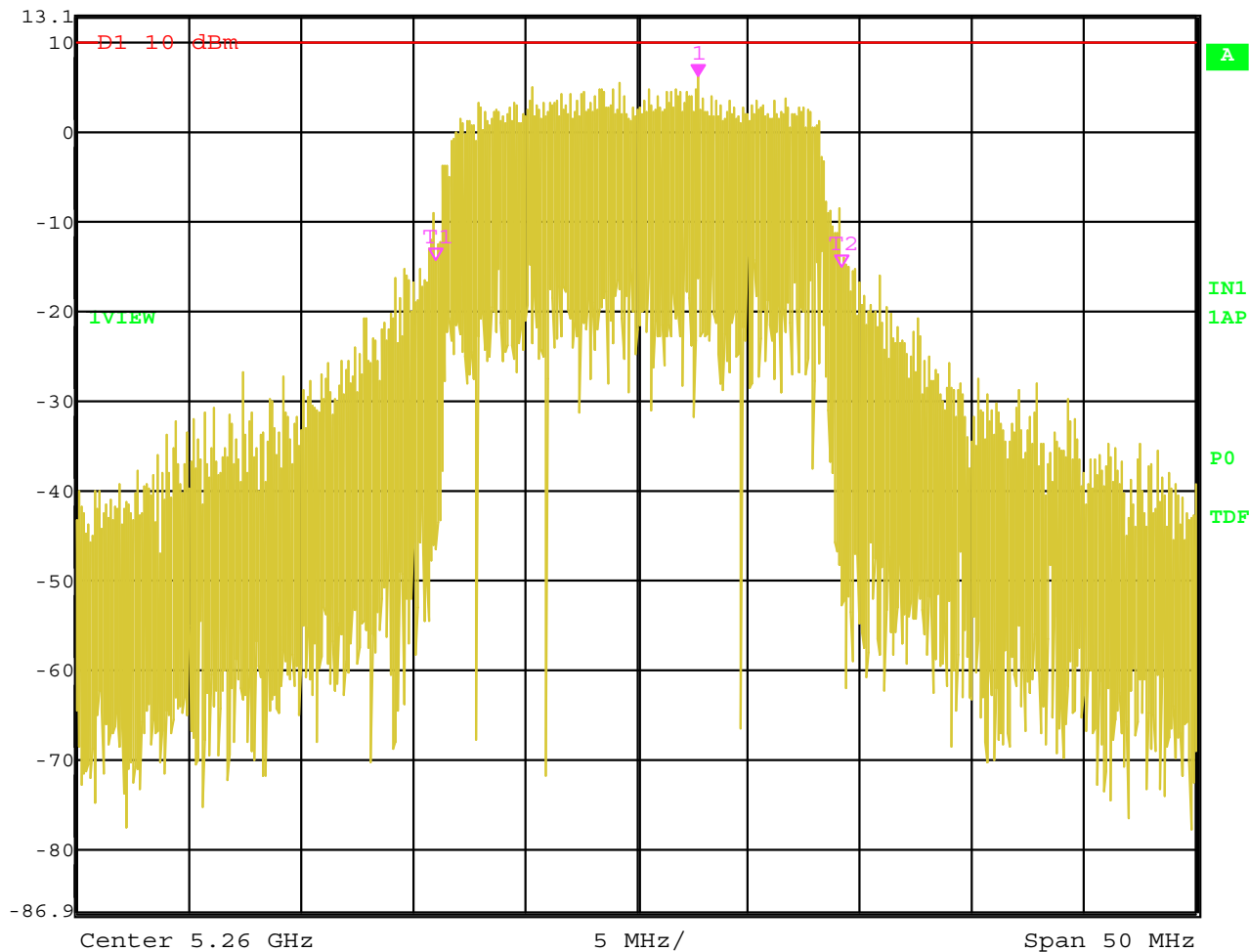


Date: 8.JUL.2004 11:08:15

Bandwidth 20 dB – Channel 48 – UNII Mode



|          |                    |     |         |        |       |
|----------|--------------------|-----|---------|--------|-------|
| Ref Lvl  | Marker 1 [T1 ndB]  | RBW | 500 kHz | RF Att | 40 dB |
| 13.1 dBm | ndB 20.00 dB       | VBW | 1 MHz   |        |       |
|          | BW 18.13627255 MHz | SWT | 5 ms    | Unit   | dBm   |

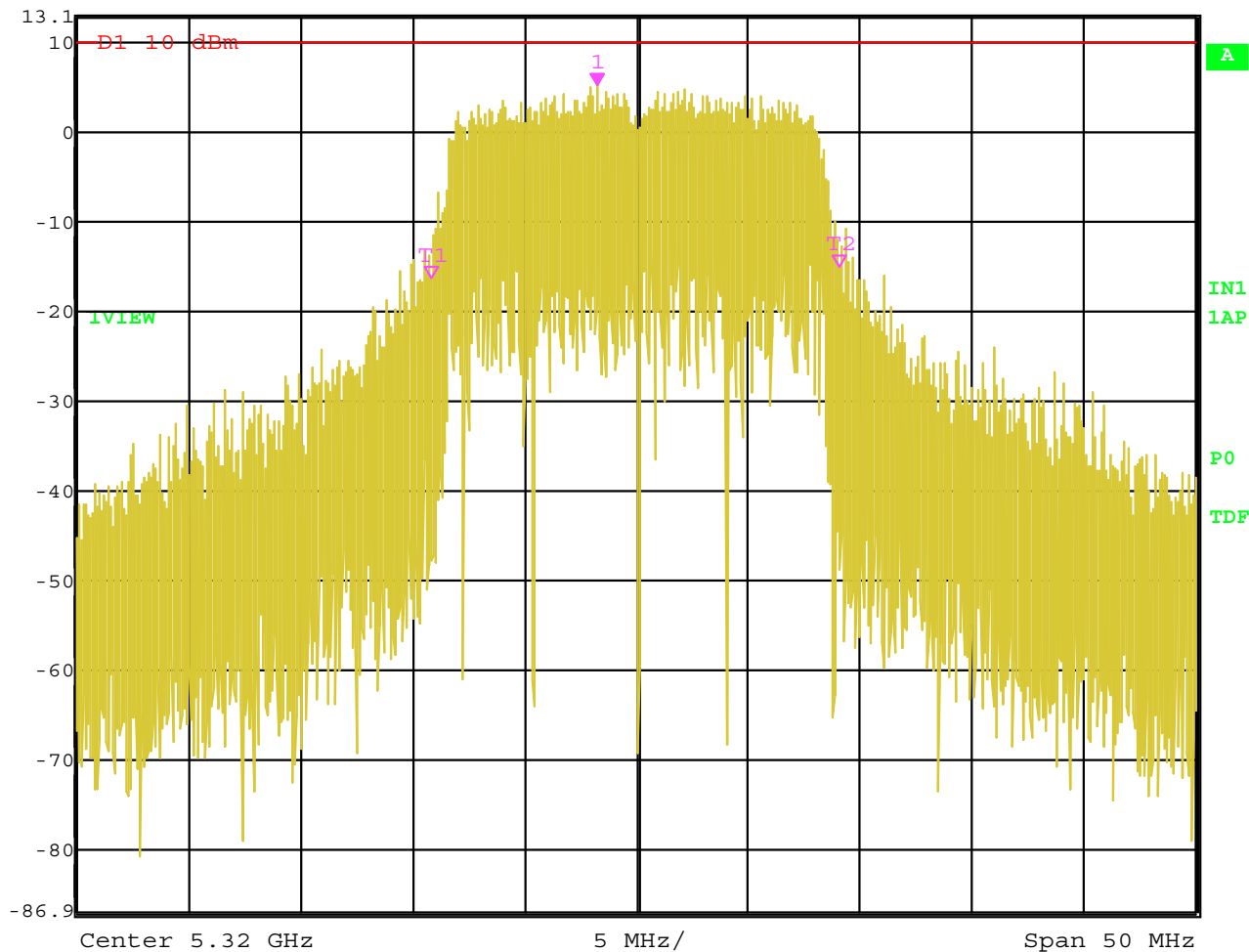


Date: 8.JUL.2004 11:07:09

Bandwidth 20 dB – Channel 52 – UNII Mode



|          |                    |     |         |        |       |
|----------|--------------------|-----|---------|--------|-------|
| Ref Lvl  | Marker 1 [T1 ndB]  | RBW | 500 kHz | RF Att | 40 dB |
| 13.1 dBm | ndB 20.00 dB       | VBW | 1 MHz   |        |       |
|          | BW 18.23647295 MHz | SWT | 5 ms    | Unit   | dBm   |



Date: 8.JUL.2004 10:57:43

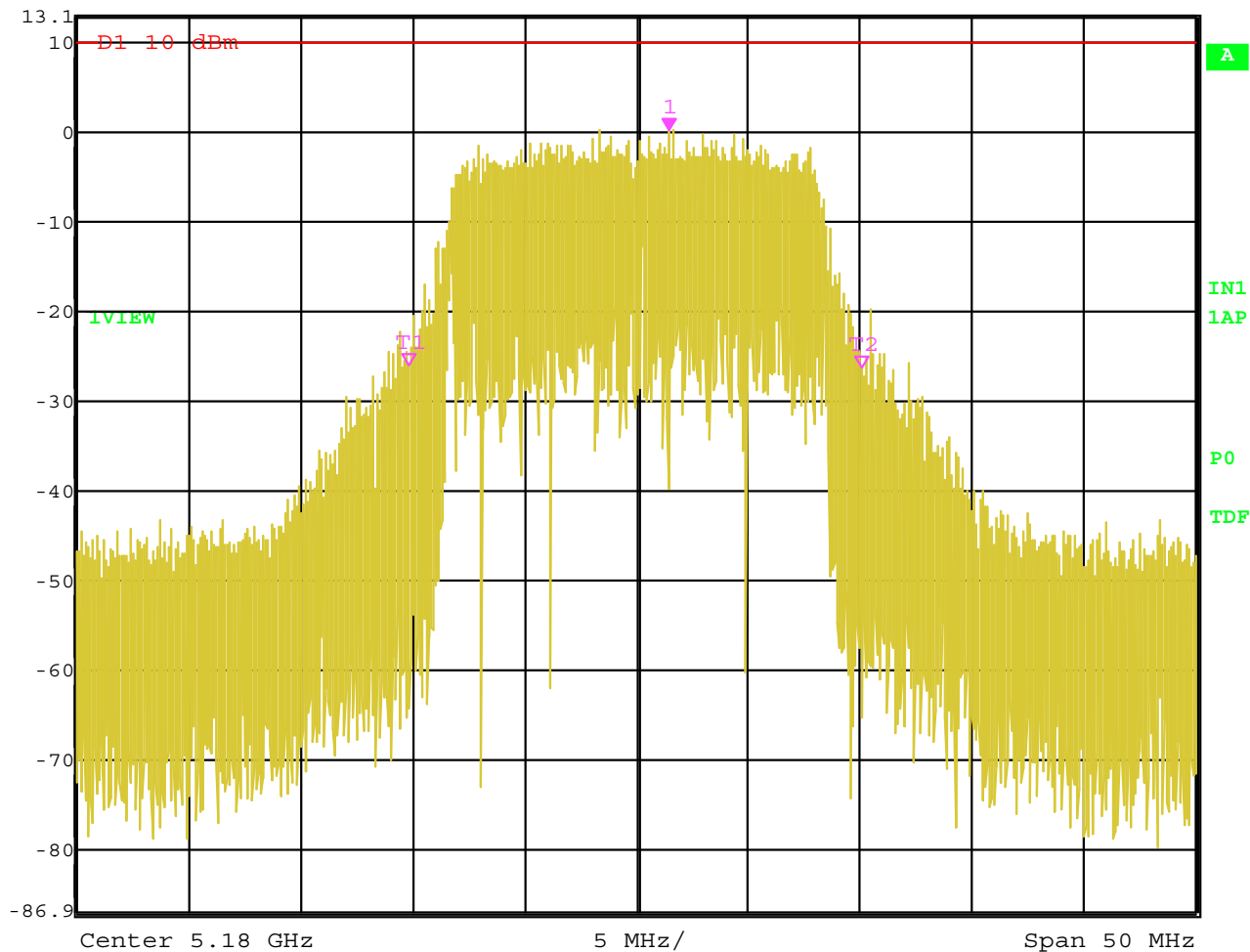
Bandwidth 20 dB – Channel 64 – UNII Mode

***-26 dB BANDWIDTH***

***DATA SHEETS***



|          |                    |     |         |        |       |
|----------|--------------------|-----|---------|--------|-------|
| Ref Lvl  | Marker 1 [T1 ndB]  | RBW | 500 kHz | RF Att | 40 dB |
| 13.1 dBm | ndB 26.00 dB       | VBW | 1 MHz   |        |       |
|          | BW 20.24048096 MHz | SWT | 5 ms    | Unit   | dBm   |

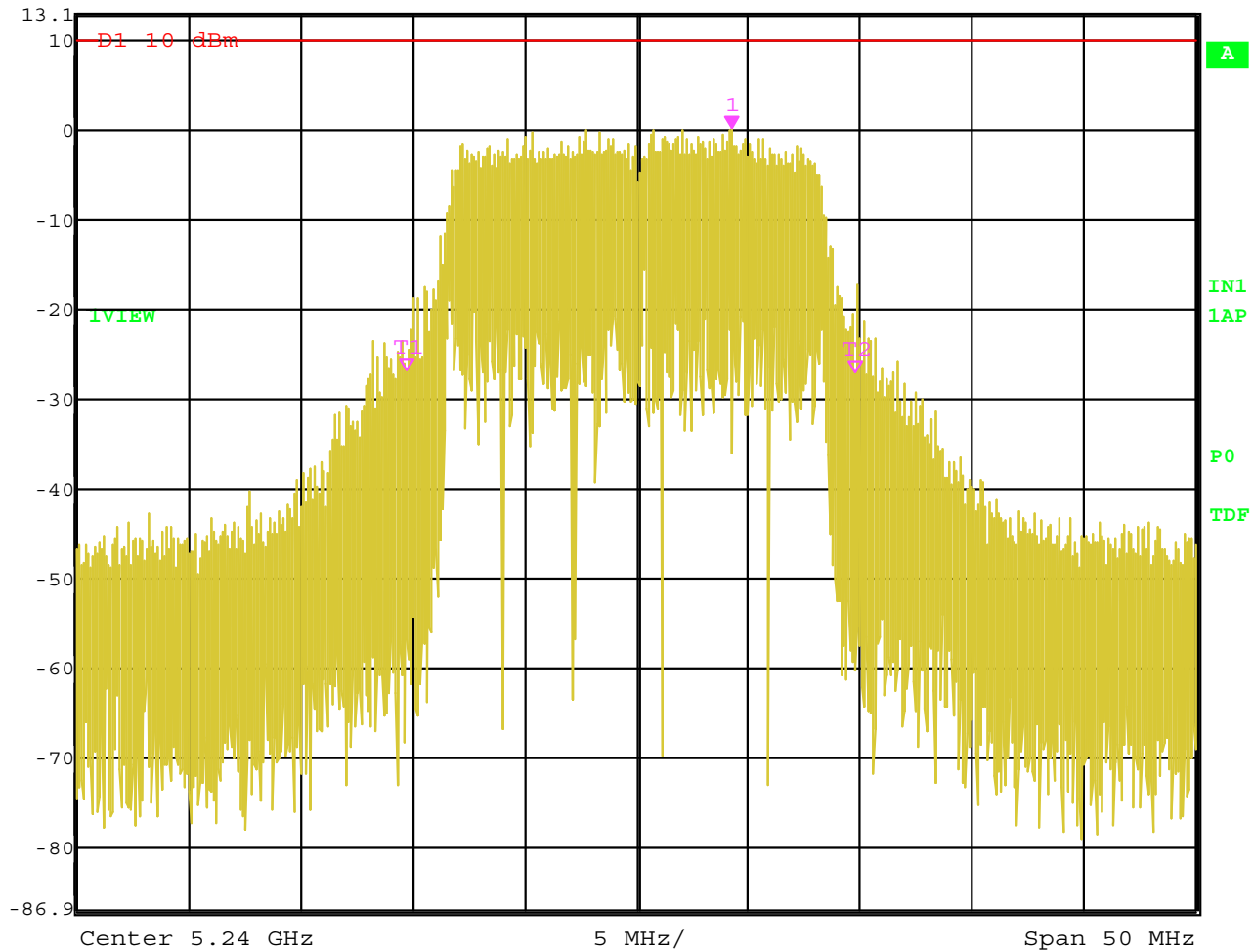


Date: 8.JUL.2004 11:09:57

Bandwidth 26 dB – Channel 36 – UNII Mode



|          |                    |     |         |        |       |
|----------|--------------------|-----|---------|--------|-------|
| Ref Lvl  | Marker 1 [T1 ndB]  | RBW | 500 kHz | RF Att | 40 dB |
| 13.1 dBm | ndB 26.00 dB       | VBW | 1 MHz   |        |       |
|          | BW 20.04008016 MHz | SWT | 5 ms    | Unit   | dBm   |

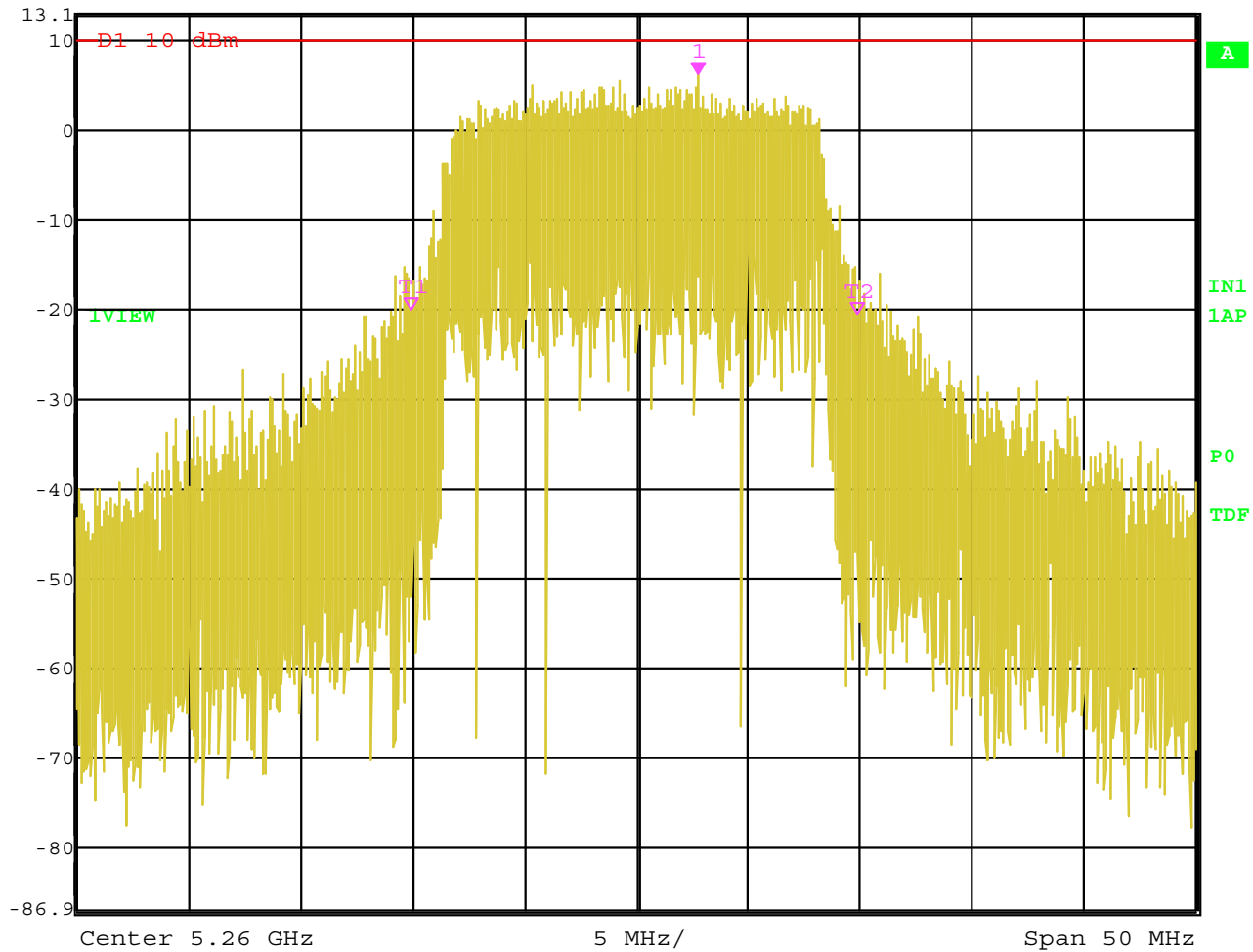


Date: 8.JUL.2004 11:08:54

Bandwidth 26 dB - Channel 48 - UNII Mode



|          |                    |     |         |        |       |
|----------|--------------------|-----|---------|--------|-------|
| Ref Lvl  | Marker 1 [T1 ndB]  | RBW | 500 kHz | RF Att | 40 dB |
| 13.1 dBm | ndB 26.00 dB       | VBW | 1 MHz   |        |       |
|          | BW 19.93987976 MHz | SWT | 5 ms    | Unit   | dBm   |

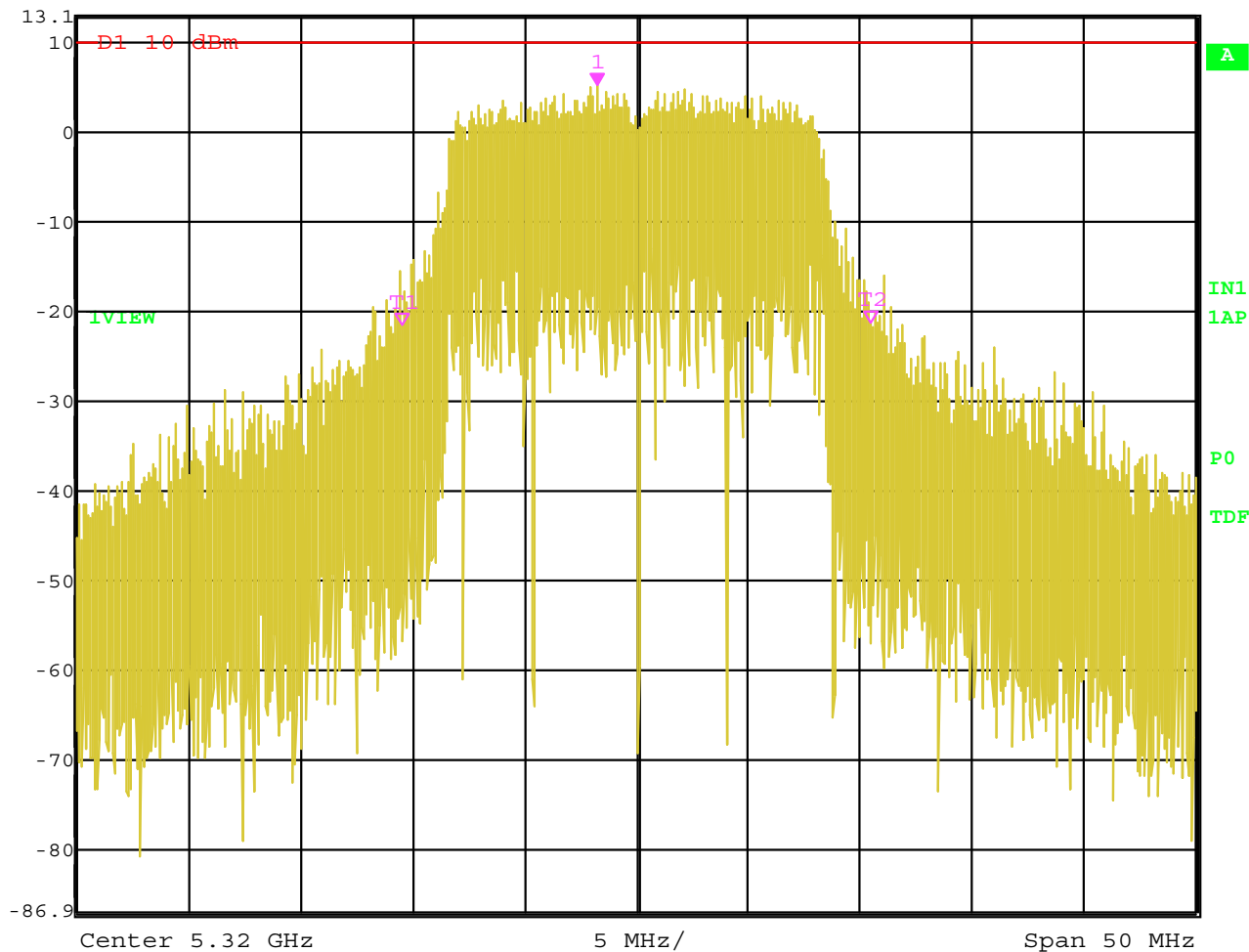


Date: 8.JUL.2004 11:07:33

Bandwidth 26 dB – Channel 52 – UNII Mode



|          |                    |     |         |        |       |
|----------|--------------------|-----|---------|--------|-------|
| Ref Lvl  | Marker 1 [T1 ndB]  | RBW | 500 kHz | RF Att | 40 dB |
| 13.1 dBm | ndB 26.00 dB       | VBW | 1 MHz   |        |       |
|          | BW 20.94188377 MHz | SWT | 5 ms    | Unit   | dBm   |



Date: 8.JUL.2004 10:58:18

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)

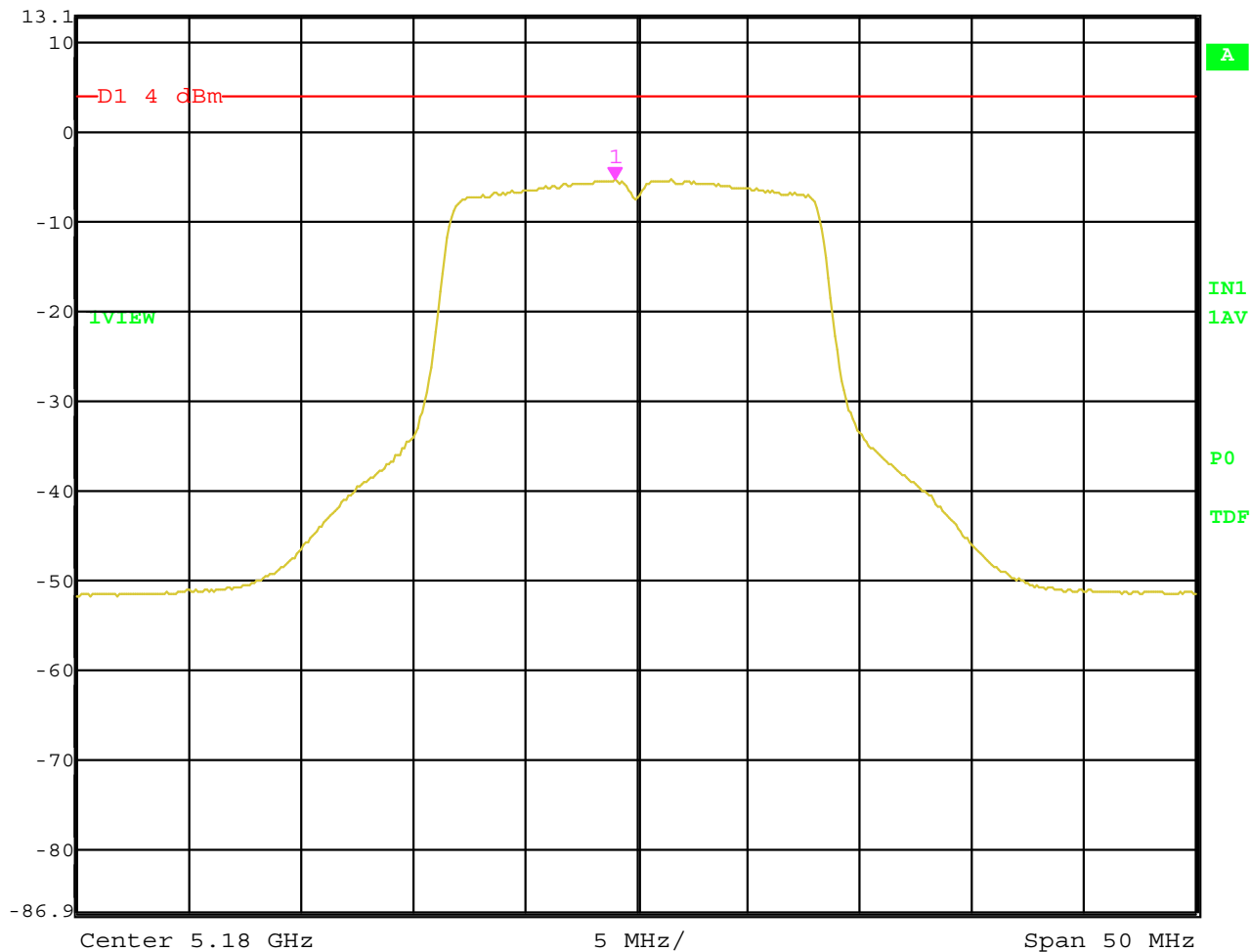
| CHANNEL       | GAIN | PEAK POWER<br>OUTPUT (dBm) |
|---------------|------|----------------------------|
| 36 (5180 MHz) | 7.5  | 16.72                      |
| 48 (5240 MHz) | 10.0 | 16.78                      |
| 52 (5260 MHz) | 14.5 | 21.14                      |
| 64 (5320 MHz) | 14.0 | 21.15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



***PEAK POWER SPECTRAL DENSITY***  
***DATA SHEETS***



|          |                |     |       |        |       |
|----------|----------------|-----|-------|--------|-------|
| Ref Lvl  | Marker 1 [T1]  | RBW | 1 MHz | RF Att | 40 dB |
| 13.1 dBm | -5.34 dBm      | VBW | 3 MHz |        |       |
|          | 5.17904810 GHz | SWT | 5 ms  | Unit   | dBm   |

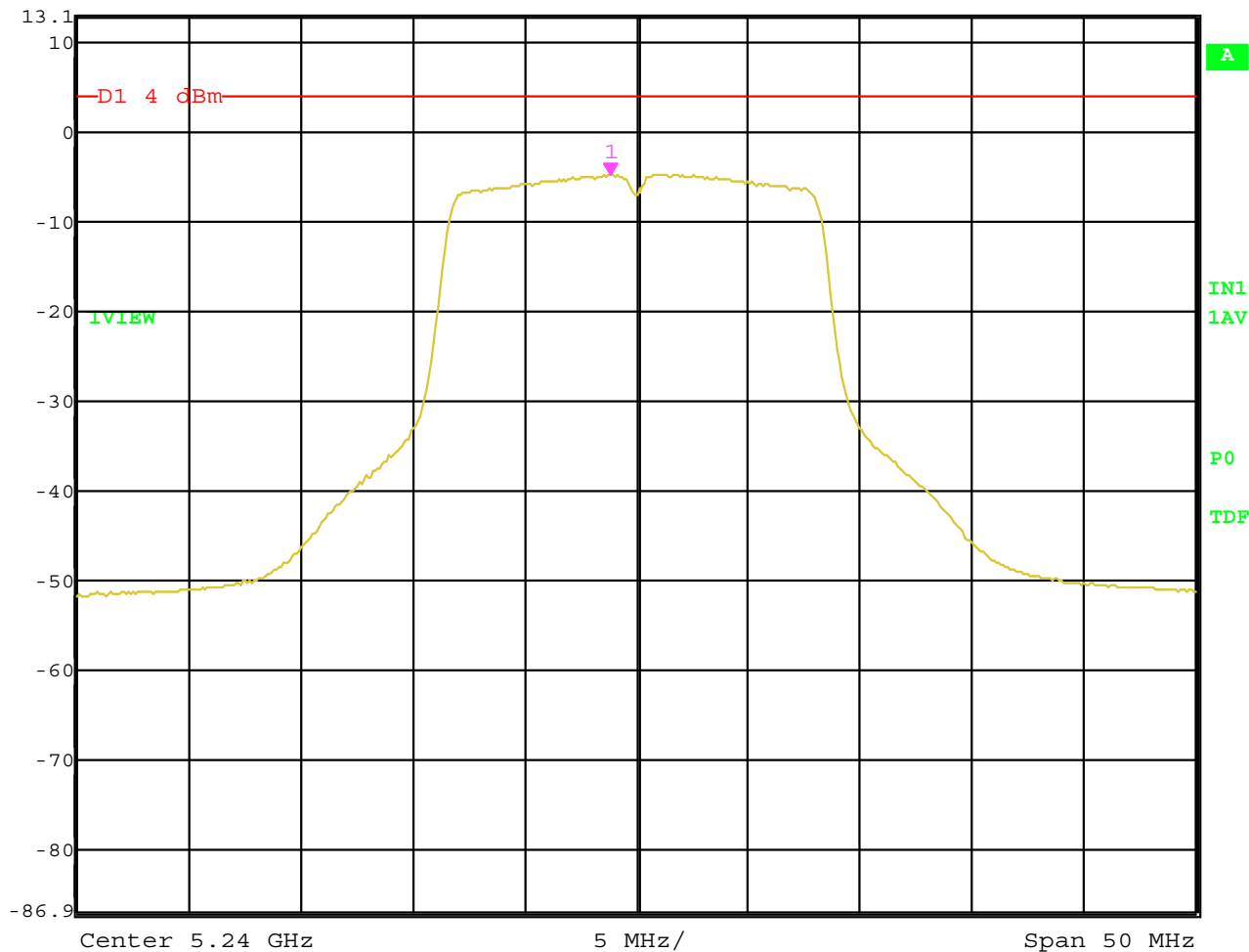


Date: 8.JUL.2004 10:37:24

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



Ref Lvl 13.1 dBm  
Marker 1 [T1] -4.78 dBm  
5.23884770 GHz  
RBW 1 MHz  
RF Att 40 dB  
VBW 3 MHz  
SWT 5 ms  
Unit dBm

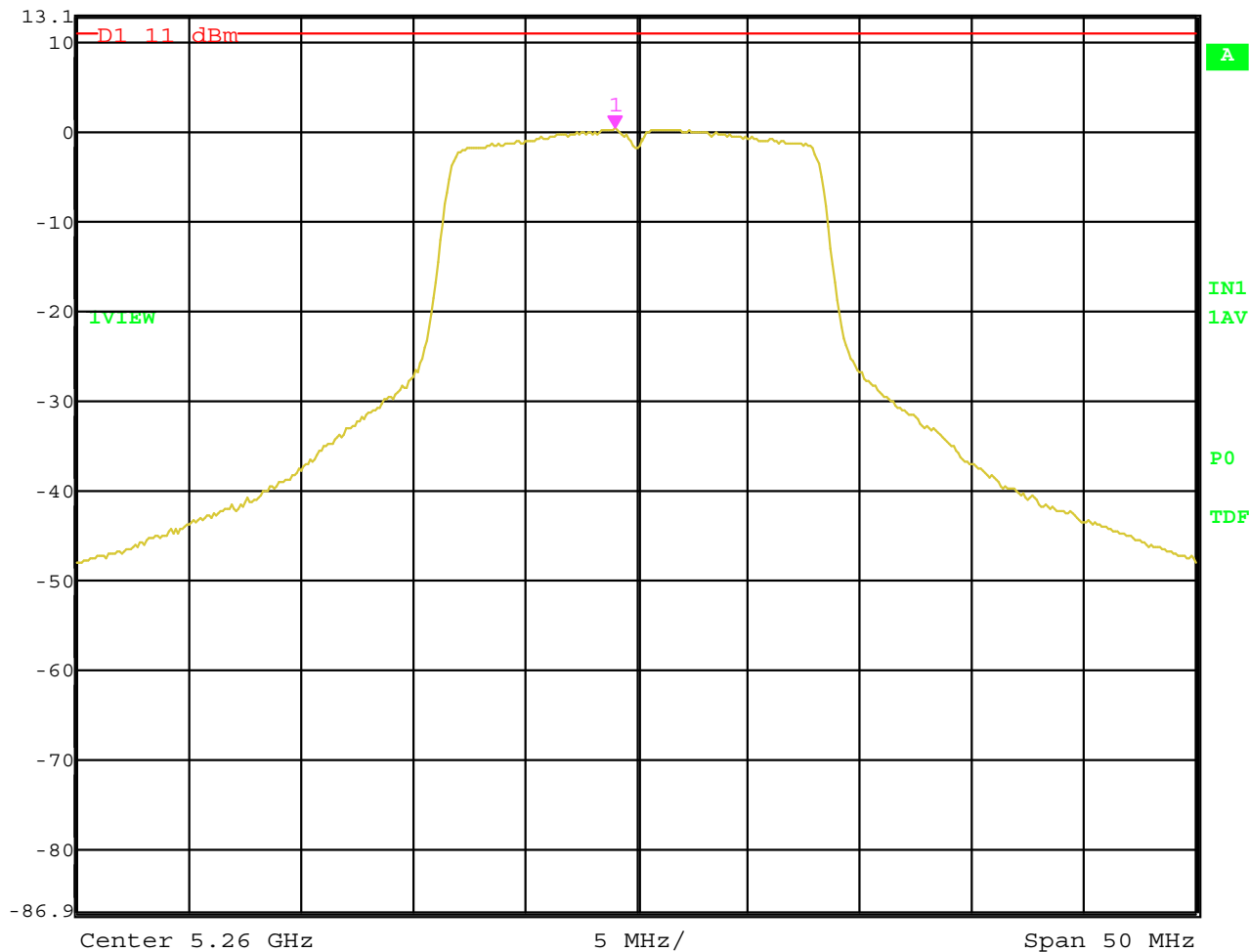


Date: 8.JUL.2004 10:38:16

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



Ref Lvl 13.1 dBm  
Marker 1 [T1] 0.35 dBm  
RBW 1 MHz  
VBW 3 MHz  
SWT 5 ms  
RF Att 40 dB  
Unit dBm

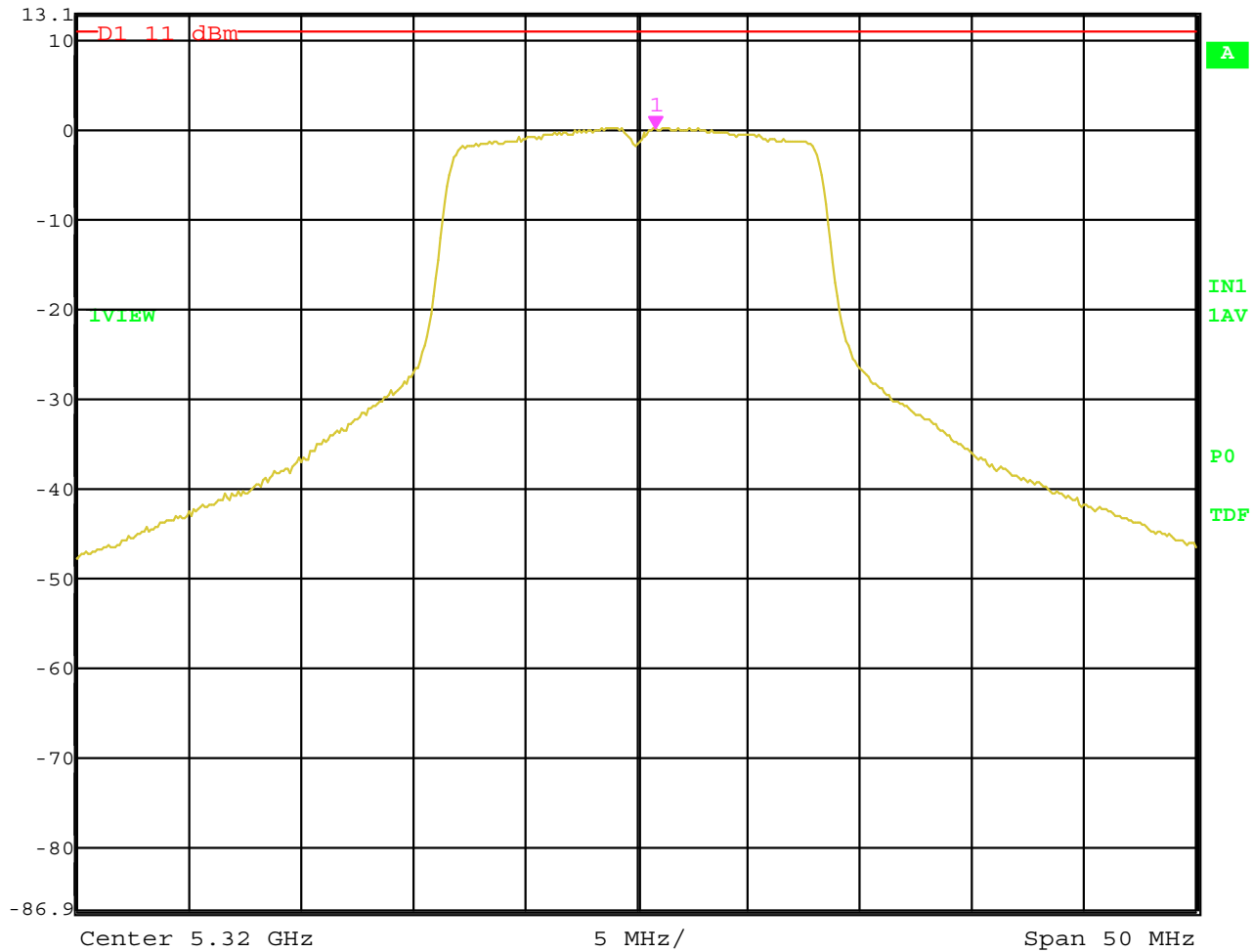


Date: 8.JUL.2004 10:39:11

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



|          |                |     |       |        |       |
|----------|----------------|-----|-------|--------|-------|
| Ref Lvl  | Marker 1 [T1]  | RBW | 1 MHz | RF Att | 40 dB |
| 13.1 dBm | 0.26 dBm       | VBW | 3 MHz |        |       |
|          | 5.32085170 GHz | SWT | 5 ms  | Unit   | dBm   |

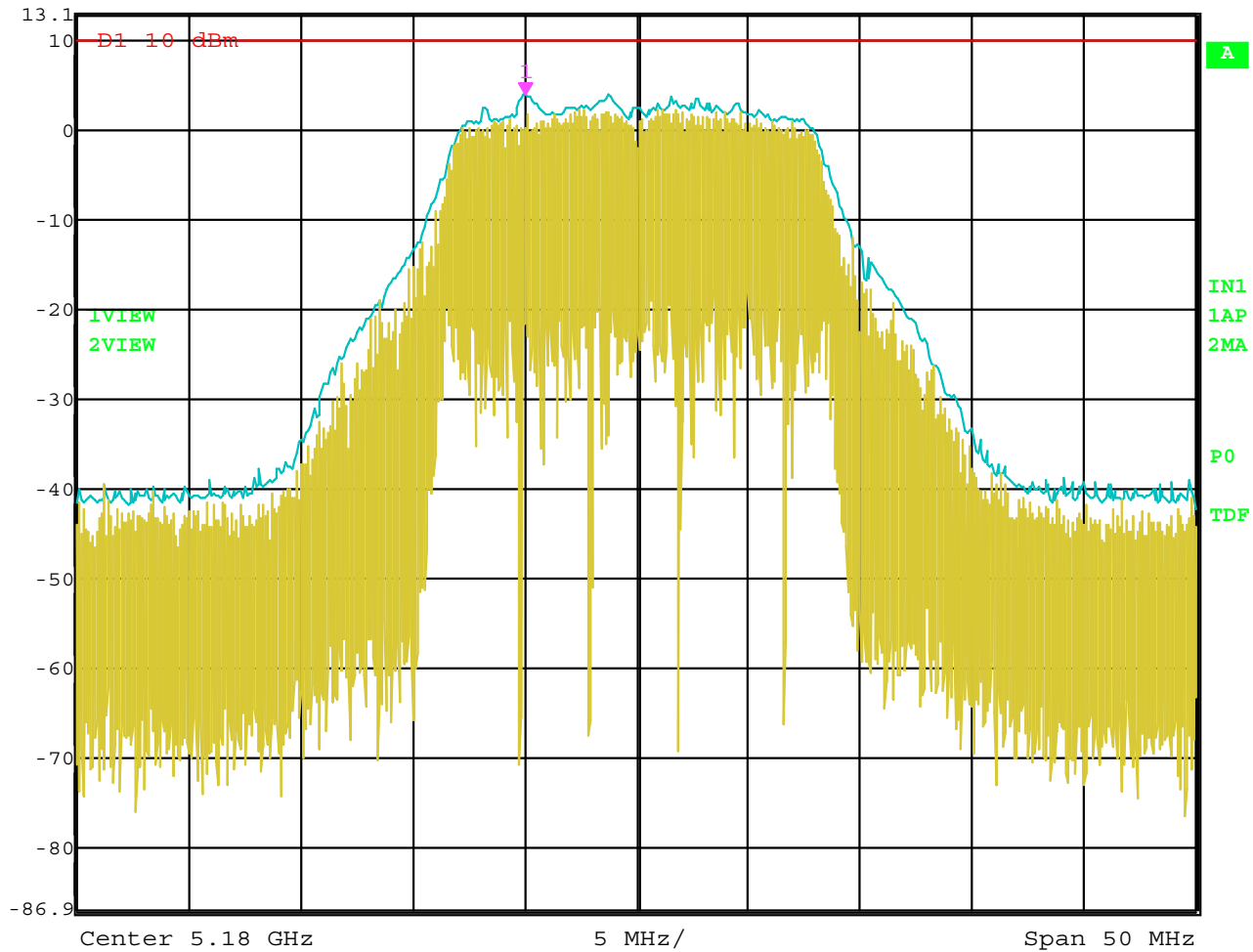


Date: 8.JUL.2004 10:39:59

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



|          |                |     |       |        |       |
|----------|----------------|-----|-------|--------|-------|
| Ref Lvl  | Marker 1 [T2]  | RBW | 1 MHz | RF Att | 40 dB |
| 13.1 dBm | 4.05 dBm       | VBW | 1 MHz |        |       |
|          | 5.17504008 GHz | SWT | 5 ms  | Unit   | dBm   |

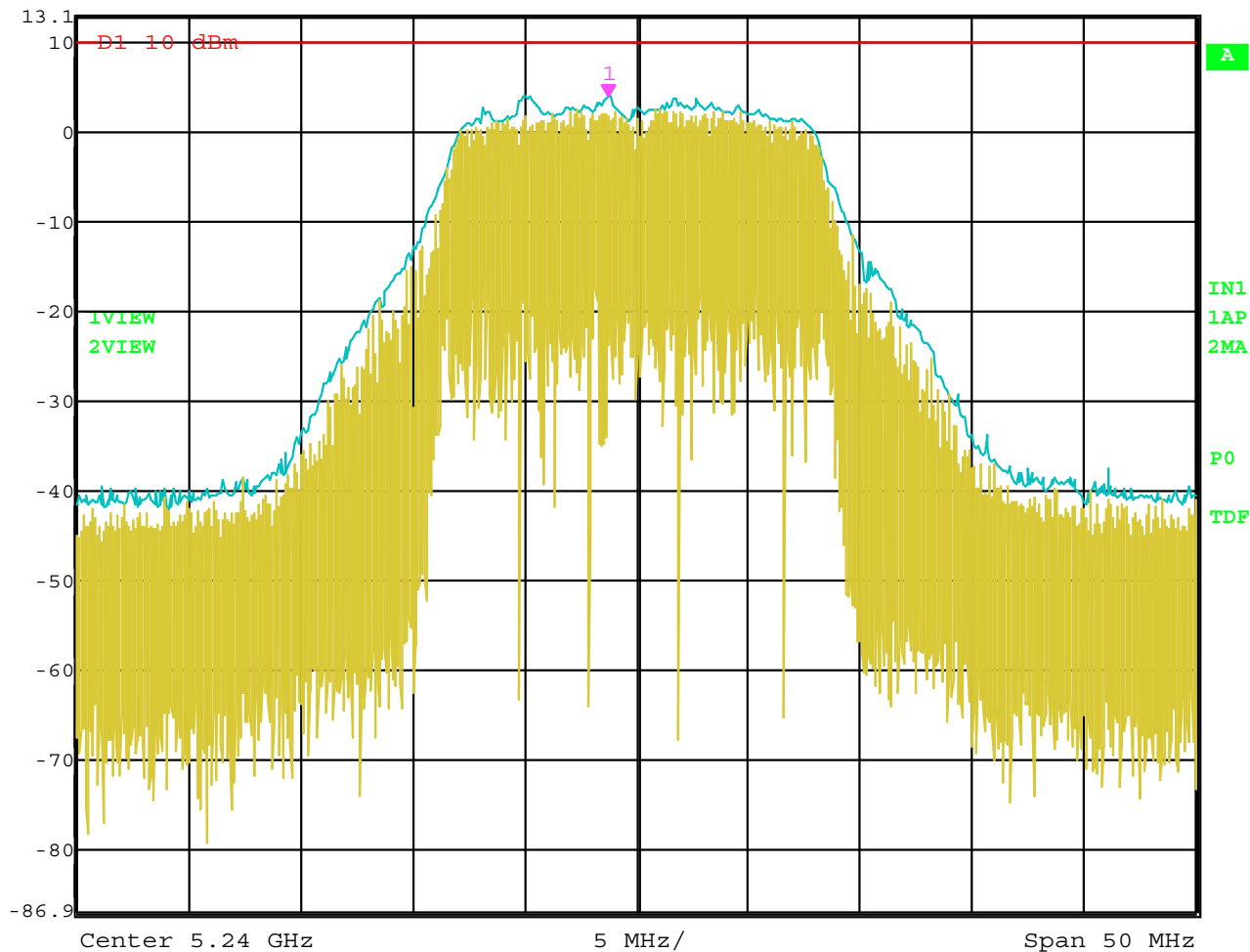


Date: 8.JUL.2004 10:45:29

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



Ref Lvl 13.1 dBm  
Marker 1 [T2] 4.07 dBm  
5.23874749 GHz  
RBW 1 MHz  
VBW 1 MHz  
SWT 5 ms  
RF Att 40 dB  
Unit dBm



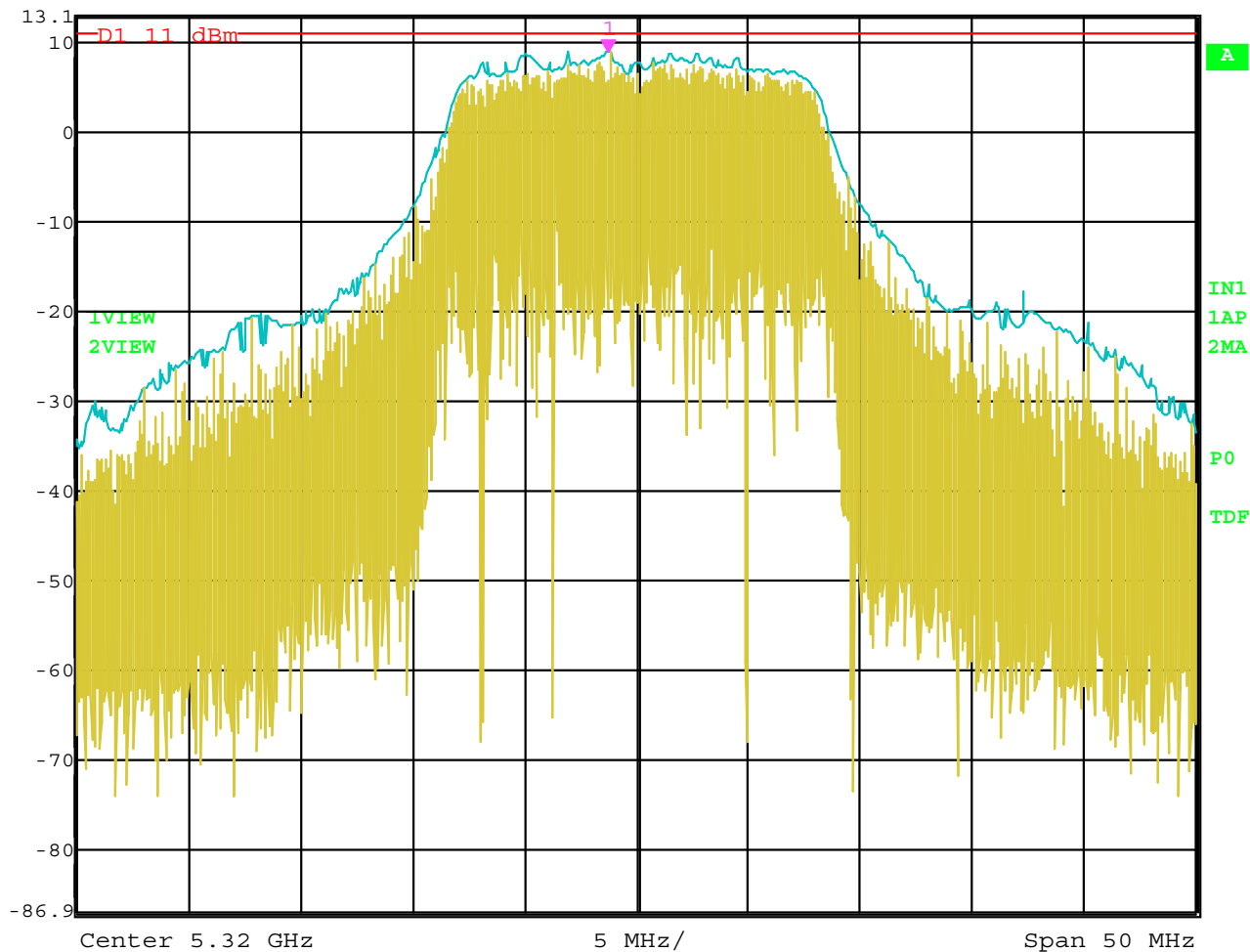
Date: 8.JUL.2004 10:44:14

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





Marker 1 [T2] RBW 1 MHz RF Att 40 dB  
Ref Lvl 9.08 dBm VBW 1 MHz  
13.1 dBm 5.31874749 GHz SWT 5 ms Unit dBm



Date: 8.JUL.2004 10:42:43

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

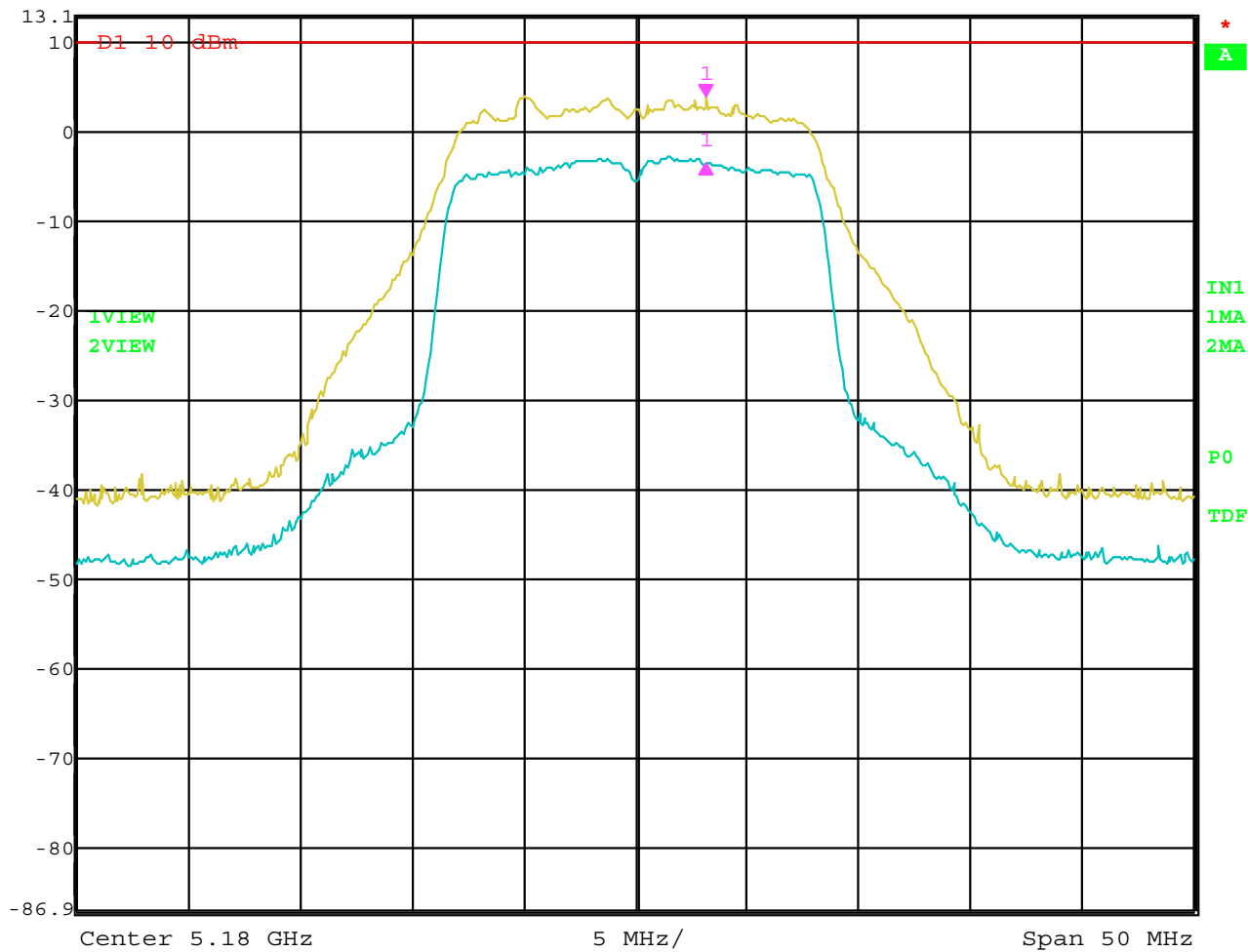


***PEAK EXCURSION***

***DATA SHEETS***



Ref Lvl 13.1 dBm Delta 1 [T2] -7.45 dB RBW 1 MHz RF Att 40 dB  
0.00000000 Hz VBW 30 kHz Unit dBm  
SWT 5 ms

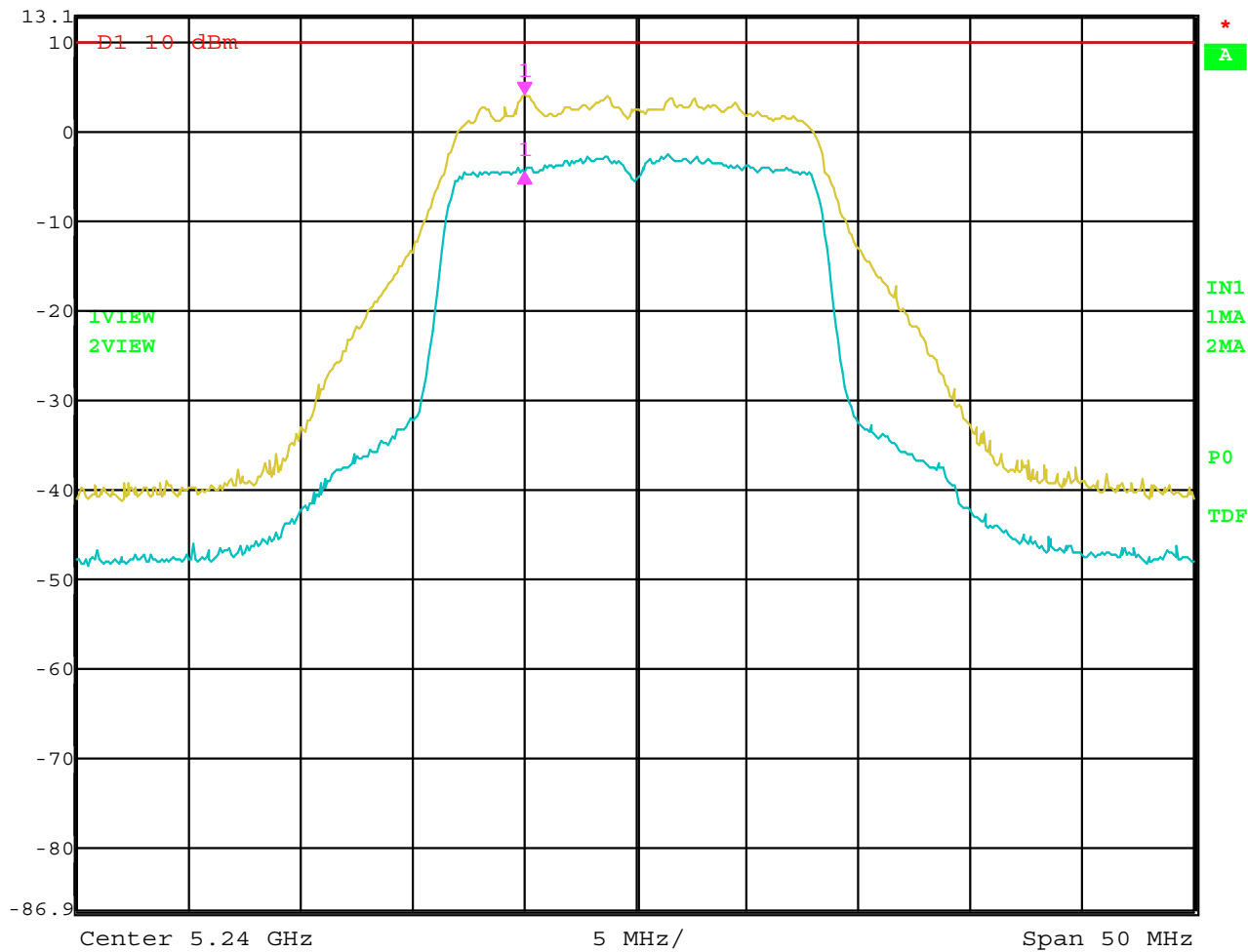


Date: 8.JUL.2004 10:50:23

Peak Excursion – Channel 36 – UNII Mode



Ref Lvl 13.1 dBm Delta 1 [T2] -8.63 dB RBW 1 MHz RF Att 40 dB  
0.00000000 Hz VBW 30 kHz Unit dBm  
SWT 5 ms

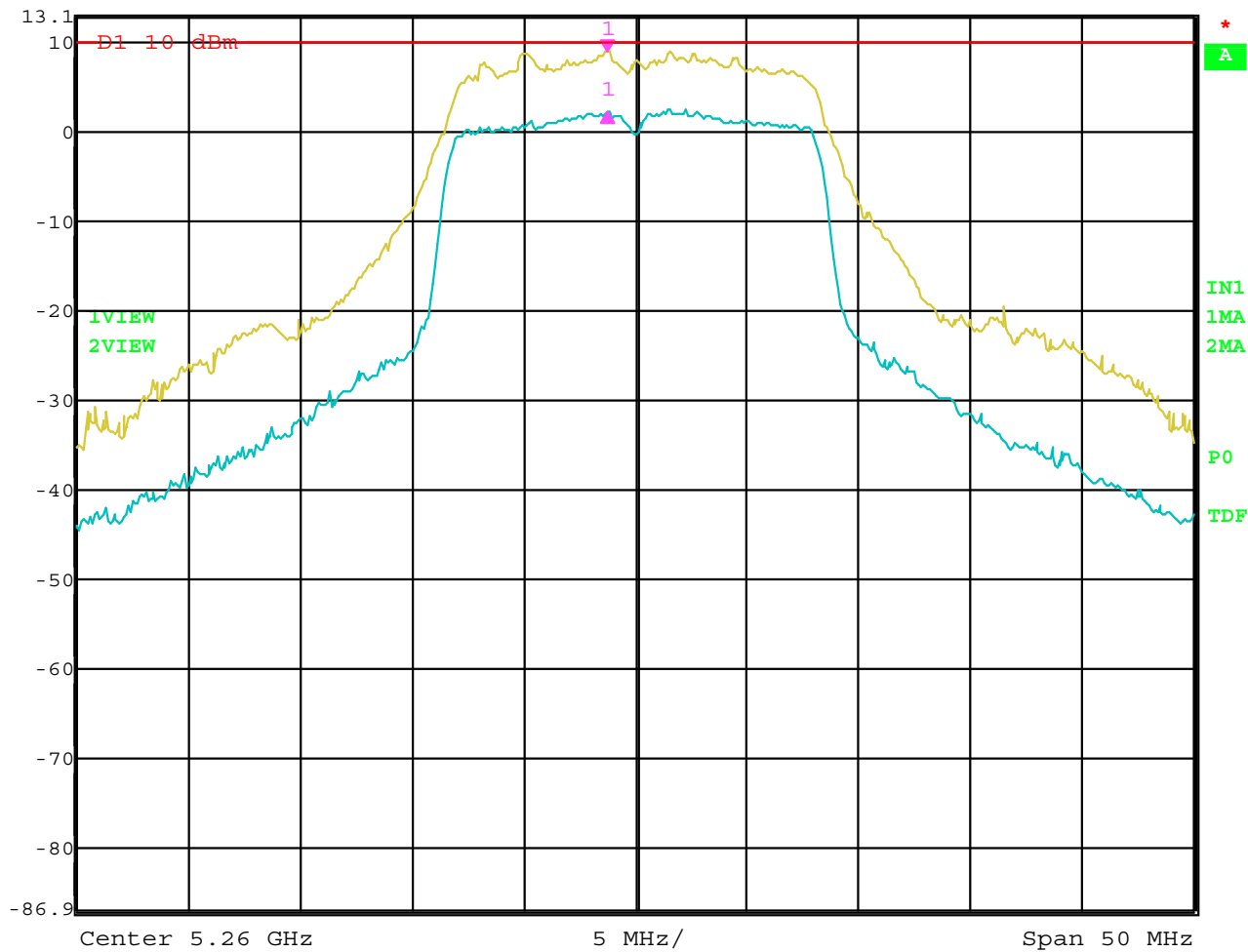


Date: 8.JUL.2004 10:51:38

Peak Excursion – Channel 48 – UNII Mode



Delta 1 [T2] RBW 1 MHz RF Att 40 dB  
Ref Lvl -6.88 dB VBW 30 kHz  
13.1 dBm 0.00000000 Hz SWT 5 ms Unit dBm

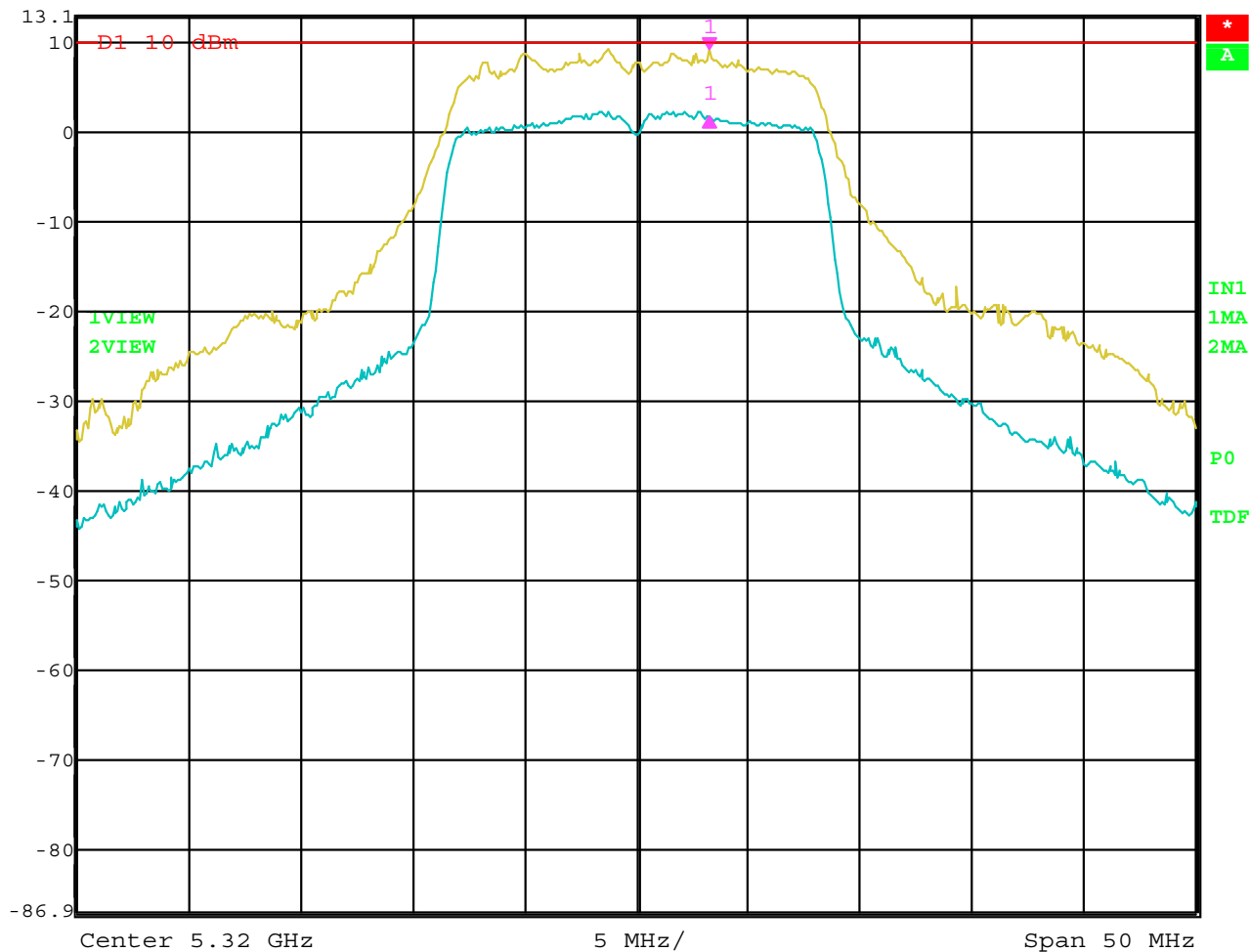


Date: 8.JUL.2004 10:52:44

Peak Excursion – Channel 52 – UNII Mode

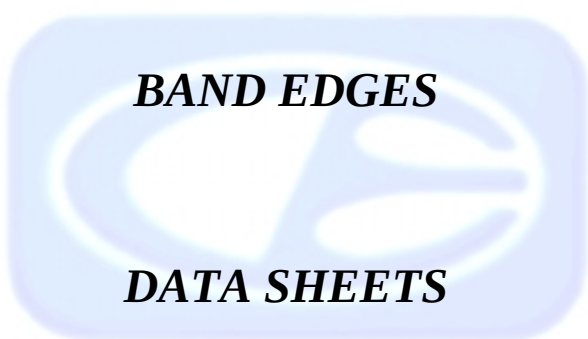


Delta 1 [T2] RBW 1 MHz RF Att 40 dB  
Ref Lvl -7.62 dB VBW 30 kHz  
13.1 dBm 0.00000000 Hz SWT 5 ms Unit dBm



Date: 8.JUL.2004 10:53:52

Peak Excursion – Channel 64 – UNII Mode



***BAND EDGES***

***DATA SHEETS***

**FCC Subpart E**

Intel Corporation

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Model: WM3B2915ABG

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Date: 07/07/04

Lab: B

Tested By: Benigno Chavez

**Channel 36 - UNII Mode**

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

**Channel 48 - UNII Mode**

Gain : 10.0 Peak Power: 16.78 dBm Avg. Power: 10.35 dBm

**Channel 52 - UNII Mode**

Gain : 14.5 Peak Power: 21.14 dBm Avg. Power: 15.25 dBm

**Channel 64 - UNII Mode**

Gain : 14.0 Peak Power: 21.15 dBm Avg. Power: 15.50 dBm

**Transmit Mode****Transmit Mode****Transmit Mode****Transmit Mode**

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol (v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(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

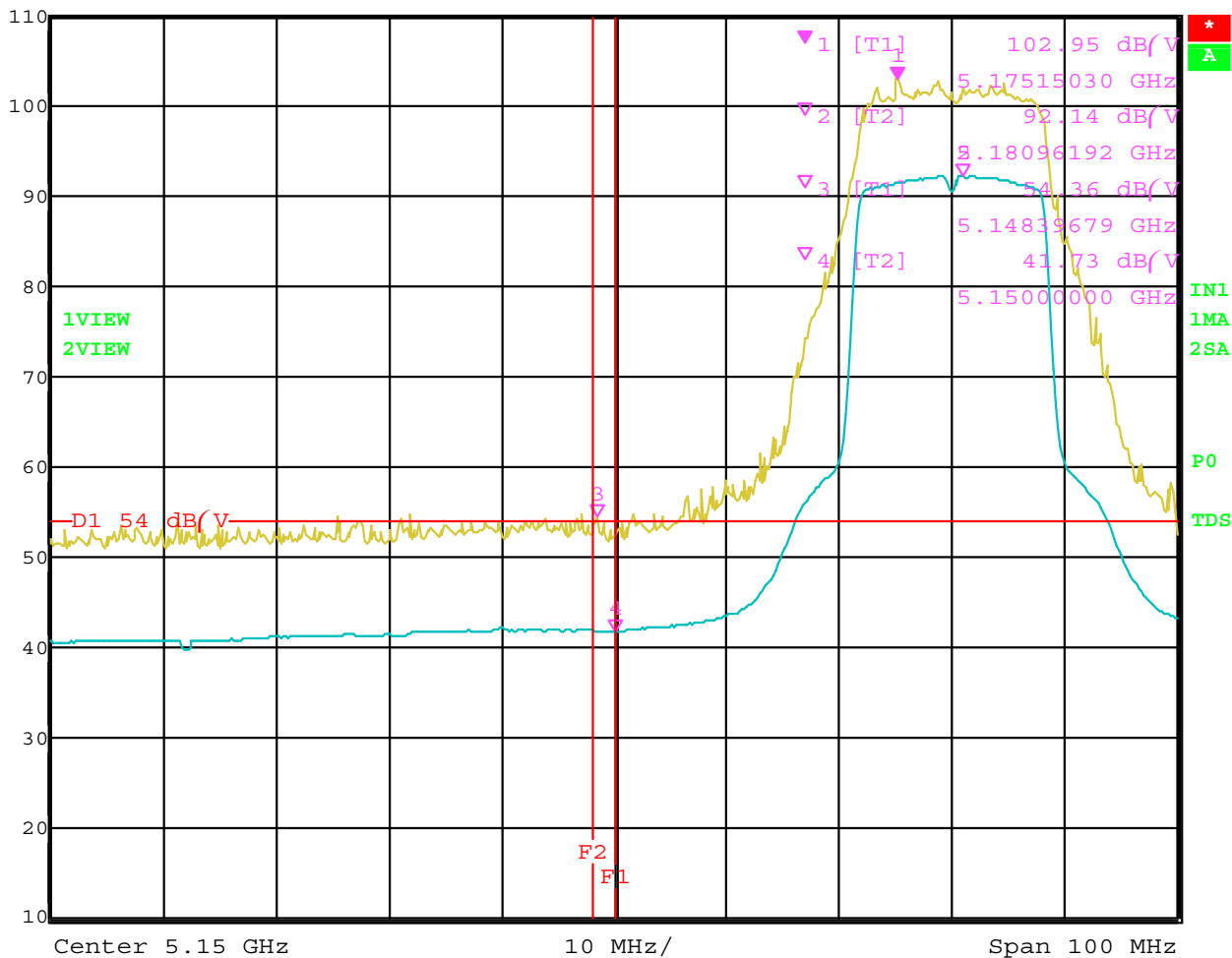
**Channel 64 - UNII Mode****Transmit Mode**

Gain : 14.0 Peak Power: 21.15 dBm Avg. Power: 15.50 dBm

| Freq.<br>(MHz) | Level<br>(dBuV) | Pol (v/h) | Limit | Margin | Peak /<br>QP /<br>Avg | Ant.<br>Height<br>(m) | Table<br>Angle<br>(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     |
|                |                 |           |       |        |                       |                       |                         |                          |
|                |                 |           |       |        |                       |                       |                         |                          |
|                |                 |           |       |        |                       |                       |                         |                          |
|                |                 |           |       |        |                       |                       |                         |                          |



Ref Lvl 110 dB/V  
Marker 1 [T1] 102.95 dB/V  
5.17515030 GHz  
RBW 1 MHz  
VBW 10 Hz  
SWT 25 s  
RF Att 20 dB  
Unit dB/V

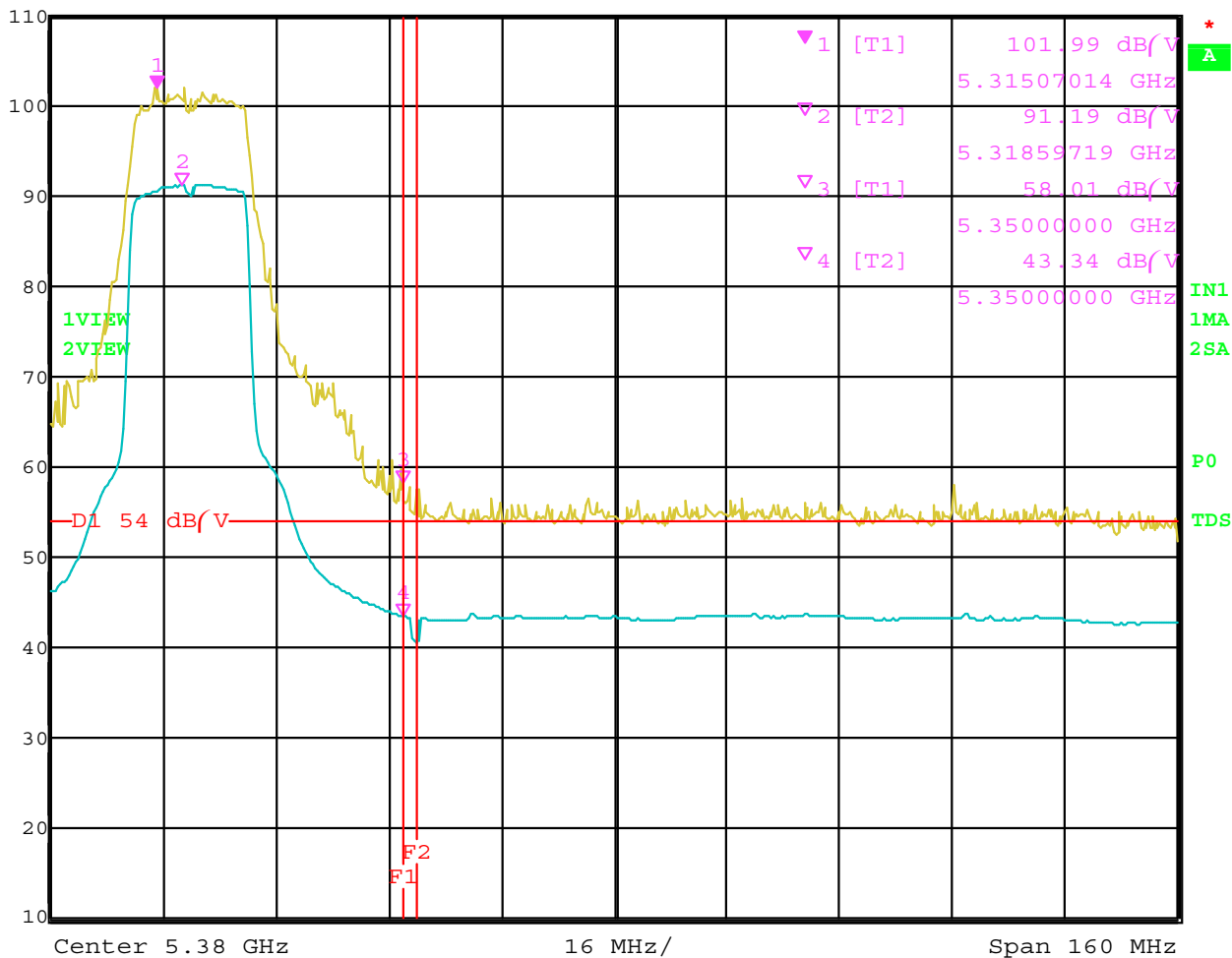


Date: 7.JUL.2004 22:09:45

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



Ref Lvl 110 dB/V  
Marker 1 [T1] 101.99 dB/V  
5.31507014 GHz  
RBW 1 MHz  
RF Att 20 dB  
VBW 10 Hz  
SWT 40 s  
Unit dB/V

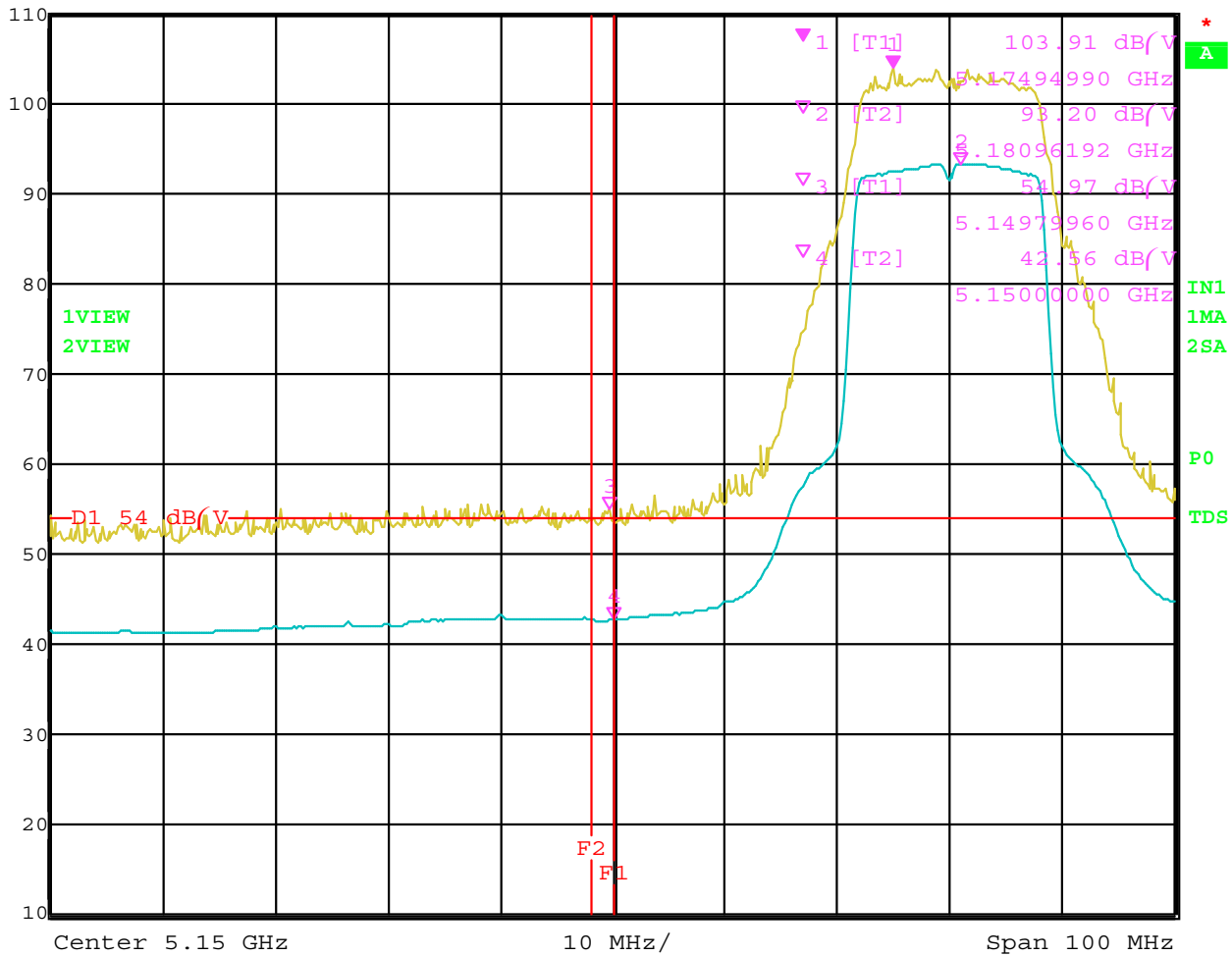


Date: 7.JUL.2004 22:41:30

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



Ref Lvl 110 dB/V  
Marker 1 [T1] 103.91 dB/V  
5.17494990 GHz  
RBW 1 MHz  
VBW 10 Hz  
SWT 25 s  
RF Att 20 dB  
Unit dB/V

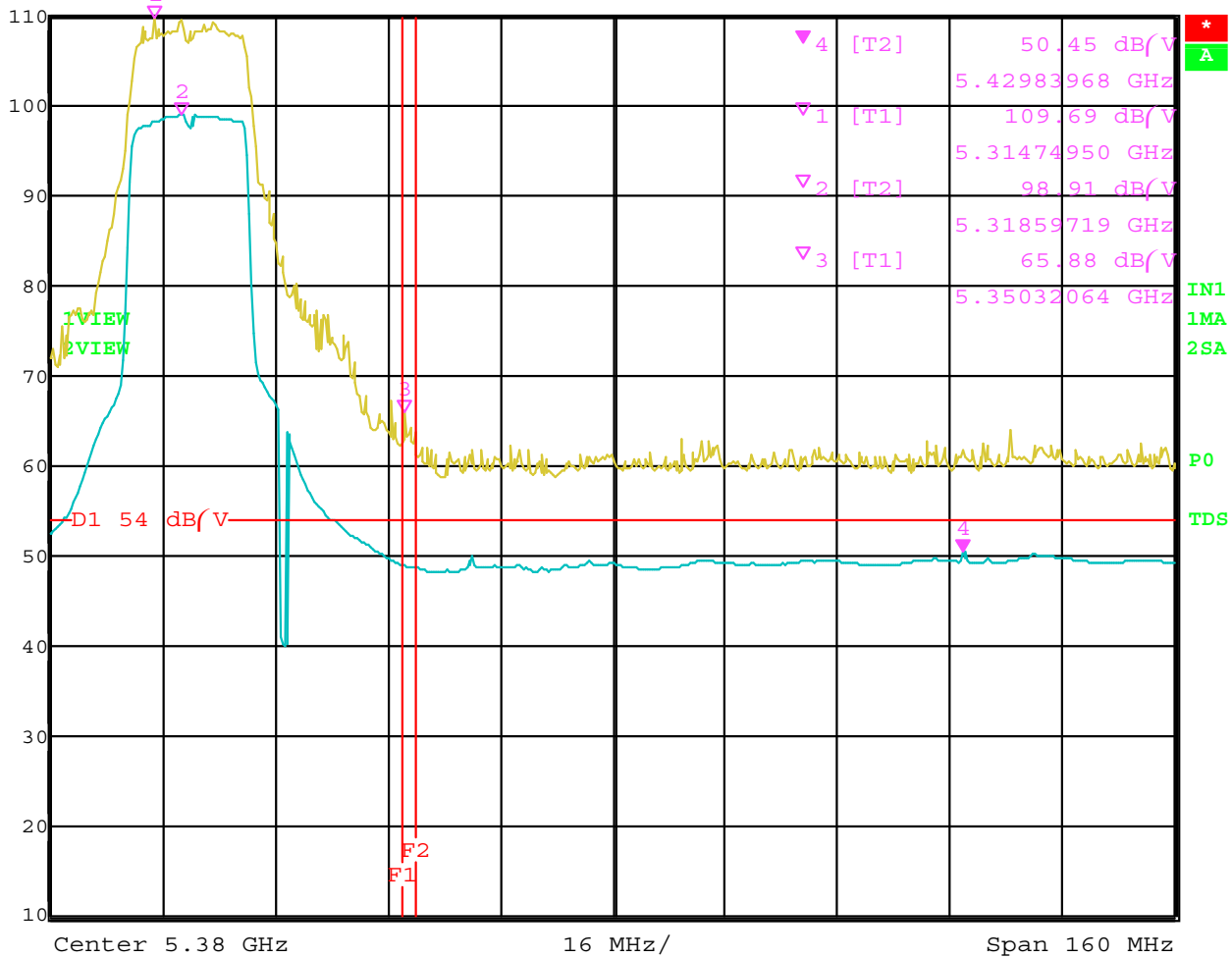


Date: 7.JUL.2004 21:39:01

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



Ref Lvl 110 dB/V  
Marker 4 [T2] 50.45 dB/V  
5.42983968 GHz  
RBW 1 MHz  
RF Att 20 dB  
VBW 10 Hz  
SWT 40 s  
Unit dB/V



Date: 7.JUL.2004 22:47:40

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