

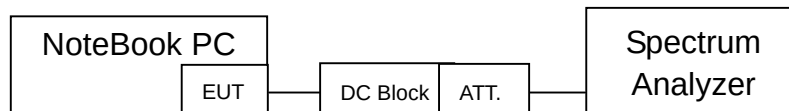
## 6 Power spectral density

### 6.1 Limit

According to FCC Part15.247 (e) requirement :

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

### 6.2 Configuration of Measurement



### 6.3 Test Procedure

The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

The power spectrum density was measured from the antenna port of the EUT using a 50ohm spectrum analyzer with the resolution bandwidth set at 3kHz, video bandwidth set at 10kHz, span of 1.5MHz, and sweep time set at 500 seconds. Power Density was read directly correction was added to the reading to obtain power at the EUT antenna terminals. The test was performed at 3 channels (lowest, middle and highest).

### 6.4 Test Result

**PASS.**

The final test data is shown on as following pages.

## Power spectral density

Single Tx

2.4GHz

| 802.11b Chain A |               |                                    |                |                |
|-----------------|---------------|------------------------------------|----------------|----------------|
| CH              | Temp.<br>(°C) | Power Spectral<br>Density<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
| 1               | 28            | -6.92                              | 8              | -14.92         |
| 6               | 28            | -7.41                              | 8              | -15.41         |
| 11              | 28            | -7.07                              | 8              | -15.07         |

| 802.11b Chain B |               |                                    |                |                |
|-----------------|---------------|------------------------------------|----------------|----------------|
| CH              | Temp.<br>(°C) | Power Spectral<br>Density<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
| 1               | 28            | -8.81                              | 8              | -16.81         |
| 6               | 28            | -7.07                              | 8              | -15.07         |
| 11              | 28            | -7.81                              | 8              | -15.81         |

| 802.11b Chain C |               |                                    |                |                |
|-----------------|---------------|------------------------------------|----------------|----------------|
| CH              | Temp.<br>(°C) | Power Spectral<br>Density<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
| 1               | 28            | -6.67                              | 8              | -14.67         |
| 6               | 28            | -7.50                              | 8              | -15.50         |
| 11              | 28            | -8.15                              | 8              | -16.15         |

| 802.11g Chain A |               |                                    |                |                |
|-----------------|---------------|------------------------------------|----------------|----------------|
| CH              | Temp.<br>(°C) | Power Spectral<br>Density<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
| 1               | 28            | -10.10                             | 8              | -18.10         |
| 6               | 28            | -12.20                             | 8              | -20.20         |
| 11              | 28            | -12.54                             | 8              | -20.54         |

| 802.11g Chain B |               |                                    |                |                |
|-----------------|---------------|------------------------------------|----------------|----------------|
| CH              | Temp.<br>(°C) | Power Spectral<br>Density<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
| 1               | 28            | -10.43                             | 8              | -18.43         |
| 6               | 28            | -11.59                             | 8              | -19.59         |
| 11              | 28            | -10.57                             | 8              | -18.57         |

| 802.11g Chain C |               |                                    |                |                |
|-----------------|---------------|------------------------------------|----------------|----------------|
| CH              | Temp.<br>(°C) | Power Spectral<br>Density<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
| 1               | 28            | -10.88                             | 8              | -18.88         |
| 6               | 28            | -10.08                             | 8              | -18.08         |
| 11              | 28            | -9.26                              | 8              | -17.26         |

| 802.11n (HT20) Chain A |               |                                    |                |                |
|------------------------|---------------|------------------------------------|----------------|----------------|
| CH                     | Temp.<br>(°C) | Power Spectral<br>Density<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
| 1                      | 28            | -12.33                             | 8              | -20.33         |
| 6                      | 28            | -12.41                             | 8              | -20.41         |
| 11                     | 28            | -12.38                             | 8              | -20.38         |

| 802.11n (HT20) Chain B |               |                                    |                |                |
|------------------------|---------------|------------------------------------|----------------|----------------|
| CH                     | Temp.<br>(°C) | Power Spectral<br>Density<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
| 1                      | 28            | -12.68                             | 8              | -20.68         |
| 6                      | 28            | -12.79                             | 8              | -20.79         |
| 11                     | 28            | -13.96                             | 8              | -21.96         |

| 802.11n (HT20) Chain C |               |                                    |                |                |
|------------------------|---------------|------------------------------------|----------------|----------------|
| CH                     | Temp.<br>(°C) | Power Spectral<br>Density<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
| 1                      | 28            | -12.86                             | 8              | -20.86         |
| 6                      | 28            | -13.23                             | 8              | -21.23         |
| 11                     | 28            | -10.59                             | 8              | -18.59         |

| 802.11n (HT40) Chain A |               |                                    |                |                |
|------------------------|---------------|------------------------------------|----------------|----------------|
| CH                     | Temp.<br>(°C) | Power Spectral<br>Density<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
| 3                      | 28            | -16.67                             | 8              | -24.67         |
| 6                      | 28            | -16.51                             | 8              | -24.51         |
| 9                      | 28            | -17.03                             | 8              | -25.03         |

| 802.11n (HT40) Chain B |               |                                    |                |                |
|------------------------|---------------|------------------------------------|----------------|----------------|
| CH                     | Temp.<br>(°C) | Power Spectral<br>Density<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
| 3                      | 28            | -16.72                             | 8              | -24.72         |
| 6                      | 28            | -15.83                             | 8              | -23.83         |
| 9                      | 28            | -15.80                             | 8              | -23.80         |

| 802.11n (HT40) Chain C |               |                                    |                |                |
|------------------------|---------------|------------------------------------|----------------|----------------|
| CH                     | Temp.<br>(°C) | Power Spectral<br>Density<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
| 3                      | 28            | -15.92                             | 8              | -23.92         |
| 6                      | 28            | -15.76                             | 8              | -23.76         |
| 9                      | 28            | -15.59                             | 8              | -23.59         |

## Single Tx

### 5GHz

| 802.11a Chain A |            |                              |             |             |
|-----------------|------------|------------------------------|-------------|-------------|
| CH              | Temp. (°C) | Power Spectral Density (dBm) | Limit (dBm) | Margin (dB) |
| 149             | 28         | -7.74                        | 8           | -15.74      |
| 157             | 28         | -9.52                        | 8           | -17.52      |
| 165             | 28         | -10.38                       | 8           | -18.38      |

| 802.11a Chain B |            |                              |             |             |
|-----------------|------------|------------------------------|-------------|-------------|
| CH              | Temp. (°C) | Power Spectral Density (dBm) | Limit (dBm) | Margin (dB) |
| 149             | 28         | -9.17                        | 8           | -17.17      |
| 157             | 28         | -8.24                        | 8           | -16.24      |
| 165             | 28         | -8.71                        | 8           | -16.71      |

| 802.11a Chain C |            |                              |             |             |
|-----------------|------------|------------------------------|-------------|-------------|
| CH              | Temp. (°C) | Power Spectral Density (dBm) | Limit (dBm) | Margin (dB) |
| 149             | 28         | -12.91                       | 8           | -20.91      |
| 157             | 28         | -8.70                        | 8           | -16.70      |
| 165             | 28         | -12.73                       | 8           | -20.73      |

| 802.11n (HT20) Chain A |            |                              |             |             |
|------------------------|------------|------------------------------|-------------|-------------|
| CH                     | Temp. (°C) | Power Spectral Density (dBm) | Limit (dBm) | Margin (dB) |
| 149                    | 28         | -8.81                        | 8           | -16.81      |
| 157                    | 28         | -9.78                        | 8           | -17.78      |
| 165                    | 28         | -9.81                        | 8           | -17.81      |

| 802.11n (HT20) Chain B |            |                              |             |             |
|------------------------|------------|------------------------------|-------------|-------------|
| CH                     | Temp. (°C) | Power Spectral Density (dBm) | Limit (dBm) | Margin (dB) |
| 149                    | 28         | -8.64                        | 8           | -16.64      |
| 157                    | 28         | -8.32                        | 8           | -16.32      |
| 165                    | 28         | -9.39                        | 8           | -17.39      |

| 802.11n (HT20) Chain C |               |                                    |                |                |
|------------------------|---------------|------------------------------------|----------------|----------------|
| CH                     | Temp.<br>(°C) | Power Spectral<br>Density<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
| 149                    | 28            | -13.74                             | 8              | -21.74         |
| 157                    | 28            | -9.63                              | 8              | -17.63         |
| 165                    | 28            | -13.89                             | 8              | -21.89         |

| 802.11n (HT40) Chain A |               |                                    |                |                |
|------------------------|---------------|------------------------------------|----------------|----------------|
| CH                     | Temp.<br>(°C) | Power Spectral<br>Density<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
| 151                    | 28            | -12.38                             | 8              | -20.38         |
| 159                    | 28            | -11.71                             | 8              | -19.71         |

| 802.11n (HT40) Chain B |               |                                    |                |                |
|------------------------|---------------|------------------------------------|----------------|----------------|
| CH                     | Temp.<br>(°C) | Power Spectral<br>Density<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
| 151                    | 28            | -9.89                              | 8              | -17.89         |
| 159                    | 28            | -10.71                             | 8              | -18.71         |

| 802.11n (HT40) Chain C |               |                                    |                |                |
|------------------------|---------------|------------------------------------|----------------|----------------|
| CH                     | Temp.<br>(°C) | Power Spectral<br>Density<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
| 151                    | 28            | -12.15                             | 8              | -20.15         |
| 159                    | 28            | -12.26                             | 8              | -20.26         |

## Dual Tx

### 2.4GHz

| 802.11n (HT20) Chain A+B |               |                                 |         |                                 |                |                |
|--------------------------|---------------|---------------------------------|---------|---------------------------------|----------------|----------------|
| CH                       | Temp.<br>(°C) | Power Spectral Density<br>(dBm) |         | Total Spectral<br>Density (dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|                          |               | Chain A                         | Chain B |                                 |                |                |
| 1                        | 27            | -12.54                          | -11.47  | -8.96                           | 8              | -16.96         |
| 6                        | 27            | -12.58                          | -13.21  | -9.87                           | 8              | -17.87         |
| 11                       | 27            | -13.20                          | -12.31  | -9.72                           | 8              | -17.72         |

| 802.11n (HT20) Chain B+C |               |                                 |         |                                 |                |                |
|--------------------------|---------------|---------------------------------|---------|---------------------------------|----------------|----------------|
| CH                       | Temp.<br>(°C) | Power Spectral Density<br>(dBm) |         | Total Spectral<br>Density (dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|                          |               | Chain B                         | Chain C |                                 |                |                |
| 1                        | 27            | -10.77                          | -13.14  | -8.78                           | 8              | -16.78         |
| 6                        | 27            | -11.93                          | -13.97  | -9.82                           | 8              | -17.82         |
| 11                       | 27            | -12.17                          | -11.17  | -8.63                           | 8              | -16.63         |

| 802.11n (HT20) Chain A+C |               |                                 |         |                                 |                |                |
|--------------------------|---------------|---------------------------------|---------|---------------------------------|----------------|----------------|
| CH                       | Temp.<br>(°C) | Power Spectral Density<br>(dBm) |         | Total Spectral<br>Density (dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|                          |               | Chain A                         | Chain C |                                 |                |                |
| 1                        | 27            | -11.39                          | -13.29  | -9.23                           | 8              | -17.23         |
| 6                        | 27            | -13.49                          | -12.77  | -10.10                          | 8              | -18.10         |
| 11                       | 27            | -12.24                          | -10.50  | -8.27                           | 8              | -16.27         |

| 802.11n (HT40) Chain A+B |               |                                 |         |                                 |                |                |
|--------------------------|---------------|---------------------------------|---------|---------------------------------|----------------|----------------|
| CH                       | Temp.<br>(°C) | Power Spectral Density<br>(dBm) |         | Total Spectral<br>Density (dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|                          |               | Chain A                         | Chain B |                                 |                |                |
| 3                        | 27            | -17.31                          | -17.85  | -14.56                          | 8              | -22.56         |
| 6                        | 27            | -17.12                          | -17.25  | -14.17                          | 8              | -22.17         |
| 9                        | 27            | -17.43                          | -17.02  | -14.21                          | 8              | -22.21         |

| <b>802.11n (HT40) Chain B+C</b> |                       |                                         |                |                                         |                        |                        |
|---------------------------------|-----------------------|-----------------------------------------|----------------|-----------------------------------------|------------------------|------------------------|
| <b>CH</b>                       | <b>Temp.<br/>(°C)</b> | <b>Power Spectral Density<br/>(dBm)</b> |                | <b>Total Spectral<br/>Density (dBm)</b> | <b>Limit<br/>(dBm)</b> | <b>Margin<br/>(dB)</b> |
|                                 |                       | <b>Chain B</b>                          | <b>Chain C</b> |                                         |                        |                        |
| 3                               | 27                    | -16.51                                  | -15.11         | -12.74                                  | 8                      | -20.74                 |
| 6                               | 27                    | -16.57                                  | -15.89         | -13.21                                  | 8                      | -21.21                 |
| 9                               | 27                    | -15.31                                  | -17.50         | -13.26                                  | 8                      | -21.26                 |

| <b>802.11n (HT40) Chain A+C</b> |                       |                                         |                |                                         |                        |                        |
|---------------------------------|-----------------------|-----------------------------------------|----------------|-----------------------------------------|------------------------|------------------------|
| <b>CH</b>                       | <b>Temp.<br/>(°C)</b> | <b>Power Spectral Density<br/>(dBm)</b> |                | <b>Total Spectral<br/>Density (dBm)</b> | <b>Limit<br/>(dBm)</b> | <b>Margin<br/>(dB)</b> |
|                                 |                       | <b>Chain A</b>                          | <b>Chain C</b> |                                         |                        |                        |
| 3                               | 27                    | -16.02                                  | -15.78         | -12.89                                  | 8                      | -20.89                 |
| 6                               | 27                    | -15.64                                  | -15.53         | -12.57                                  | 8                      | -20.57                 |
| 9                               | 27                    | -16.21                                  | -17.42         | -13.76                                  | 8                      | -21.76                 |



## Dual Tx

### 5GHz

| 802.11n (HT20) Chain A+B |               |                                 |         |                                 |                |                |
|--------------------------|---------------|---------------------------------|---------|---------------------------------|----------------|----------------|
| CH                       | Temp.<br>(°C) | Power Spectral Density<br>(dBm) |         | Total Spectral<br>Density (dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|                          |               | Chain A                         | Chain B |                                 |                |                |
| 149                      | 27            | -10.32                          | -9.25   | -6.74                           | 8              | -14.74         |
| 157                      | 27            | -10.72                          | -8.07   | -6.19                           | 8              | -14.19         |
| 165                      | 27            | -10.86                          | -8.70   | -6.64                           | 8              | -14.64         |

| 802.11n (HT20) Chain B+C |               |                                 |         |                                 |                |                |
|--------------------------|---------------|---------------------------------|---------|---------------------------------|----------------|----------------|
| CH                       | Temp.<br>(°C) | Power Spectral Density<br>(dBm) |         | Total Spectral<br>Density (dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|                          |               | Chain B                         | Chain C |                                 |                |                |
| 149                      | 27            | -8.12                           | -13.35  | -6.98                           | 8              | -14.98         |
| 157                      | 27            | -7.80                           | -10.93  | -6.08                           | 8              | -14.08         |
| 165                      | 27            | -8.39                           | -14.43  | -7.42                           | 8              | -15.42         |

| 802.11n (HT20) Chain A+C |               |                                 |         |                                 |                |                |
|--------------------------|---------------|---------------------------------|---------|---------------------------------|----------------|----------------|
| CH                       | Temp.<br>(°C) | Power Spectral Density<br>(dBm) |         | Total Spectral<br>Density (dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|                          |               | Chain A                         | Chain C |                                 |                |                |
| 149                      | 27            | -10.91                          | -12.46  | -8.61                           | 8              | -16.61         |
| 157                      | 27            | -11.47                          | -10.70  | -8.06                           | 8              | -16.06         |
| 165                      | 27            | -10.53                          | -14.53  | -9.07                           | 8              | -17.07         |

| 802.11n (HT40) Chain A+B |               |                                 |         |                                 |                |                |
|--------------------------|---------------|---------------------------------|---------|---------------------------------|----------------|----------------|
| CH                       | Temp.<br>(°C) | Power Spectral Density<br>(dBm) |         | Total Spectral<br>Density (dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|                          |               | Chain A                         | Chain B |                                 |                |                |
| 151                      | 27            | -13.50                          | -11.21  | -9.20                           | 8              | -17.20         |
| 159                      | 27            | -12.44                          | -10.73  | -8.49                           | 8              | -16.49         |

| 802.11n (HT40) Chain B+C |               |                                 |         |                                 |                |                |
|--------------------------|---------------|---------------------------------|---------|---------------------------------|----------------|----------------|
| CH                       | Temp.<br>(°C) | Power Spectral Density<br>(dBm) |         | Total Spectral<br>Density (dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|                          |               | Chain B                         | Chain C |                                 |                |                |
| 151                      | 27            | -10.55                          | -14.14  | -8.97                           | 8              | -16.97         |
| 159                      | 27            | -9.93                           | -12.19  | -7.90                           | 8              | -15.90         |

| 802.11n (HT40) Chain A+C |               |                                 |         |                                 |                |                |
|--------------------------|---------------|---------------------------------|---------|---------------------------------|----------------|----------------|
| CH                       | Temp.<br>(°C) | Power Spectral Density<br>(dBm) |         | Total Spectral<br>Density (dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|                          |               | Chain A                         | Chain C |                                 |                |                |
| 151                      | 27            | -14.09                          | -14.00  | -11.03                          | 8              | -19.03         |
| 159                      | 27            | -13.61                          | -11.80  | -9.60                           | 8              | -17.60         |

## Triple Tx

### 2.4GHz

| 802.11n (HT20) Chain A+B+C |               |                                 |         |         |                                    |                |                |
|----------------------------|---------------|---------------------------------|---------|---------|------------------------------------|----------------|----------------|
| CH                         | Temp.<br>(°C) | Power Spectral Density<br>(dBm) |         |         | Total Spectral<br>Density<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|                            |               | Chain A                         | Chain B | Chain C |                                    |                |                |
| 1                          | 27            | -14.96                          | -14.73  | -16.00  | -10.42                             | 8              | -18.42         |
| 6                          | 27            | -14.95                          | -14.92  | -14.19  | -9.90                              | 8              | -17.90         |
| 11                         | 27            | -14.59                          | -14.49  | -13.32  | -9.32                              | 8              | -17.32         |

| 802.11n (HT40) Chain A+B+C |               |                                 |         |         |                                    |                |                |
|----------------------------|---------------|---------------------------------|---------|---------|------------------------------------|----------------|----------------|
| CH                         | Temp.<br>(°C) | Power Spectral Density<br>(dBm) |         |         | Total Spectral<br>Density<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|                            |               | Chain A                         | Chain B | Chain C |                                    |                |                |
| 3                          | 27            | -18.52                          | -16.72  | -18.95  | -13.18                             | 8              | -21.18         |
| 6                          | 27            | -19.00                          | -17.09  | -18.16  | -13.24                             | 8              | -21.24         |
| 9                          | 27            | -18.16                          | -17.09  | -16.87  | -12.57                             | 8              | -20.57         |

## Triple Tx

### 5 GHz

| 802.11n (HT20) Chain A+B+C |               |                                 |         |         |                                    |                |                |
|----------------------------|---------------|---------------------------------|---------|---------|------------------------------------|----------------|----------------|
| CH                         | Temp.<br>(°C) | Power Spectral Density<br>(dBm) |         |         | Total Spectral<br>Density<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|                            |               | Chain A                         | Chain B | Chain C |                                    |                |                |
| 149                        | 27            | -10.73                          | -8.20   | -12.99  | -5.43                              | 8              | -13.43         |
| 157                        | 27            | -11.36                          | -7.01   | -11.51  | -4.65                              | 8              | -12.65         |
| 165                        | 27            | -11.61                          | -9.38   | -14.30  | -6.55                              | 8              | -14.55         |

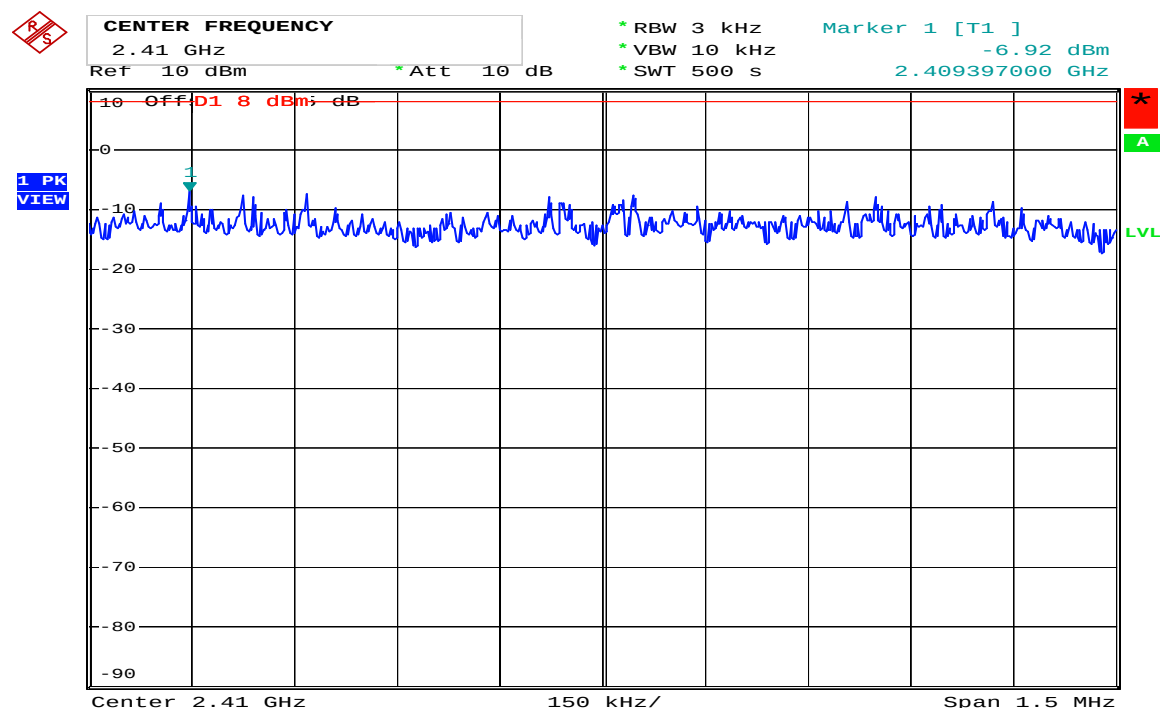
| 802.11n (HT40) Chain A+B+C |               |                                 |         |         |                                    |                |                |
|----------------------------|---------------|---------------------------------|---------|---------|------------------------------------|----------------|----------------|
| CH                         | Temp.<br>(°C) | Power Spectral Density<br>(dBm) |         |         | Total Spectral<br>Density<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|                            |               | Chain A                         | Chain B | Chain C |                                    |                |                |
| 151                        | 27            | -14.65                          | -12.78  | -16.12  | -9.53                              | 8              | -17.53         |
| 159                        | 27            | -14.41                          | -11.86  | -13.46  | -8.34                              | 8              | -16.34         |

## Power spectral density

Single Tx

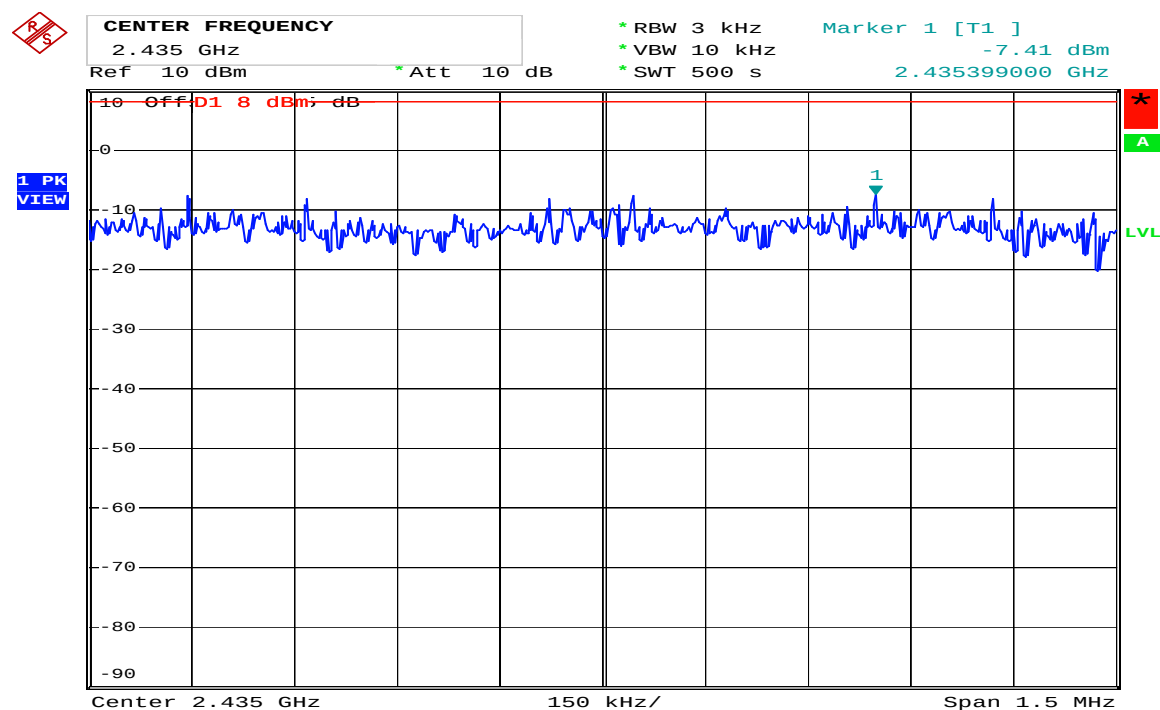
2.4GHz

802.11b CH1 2412MHz Chain A



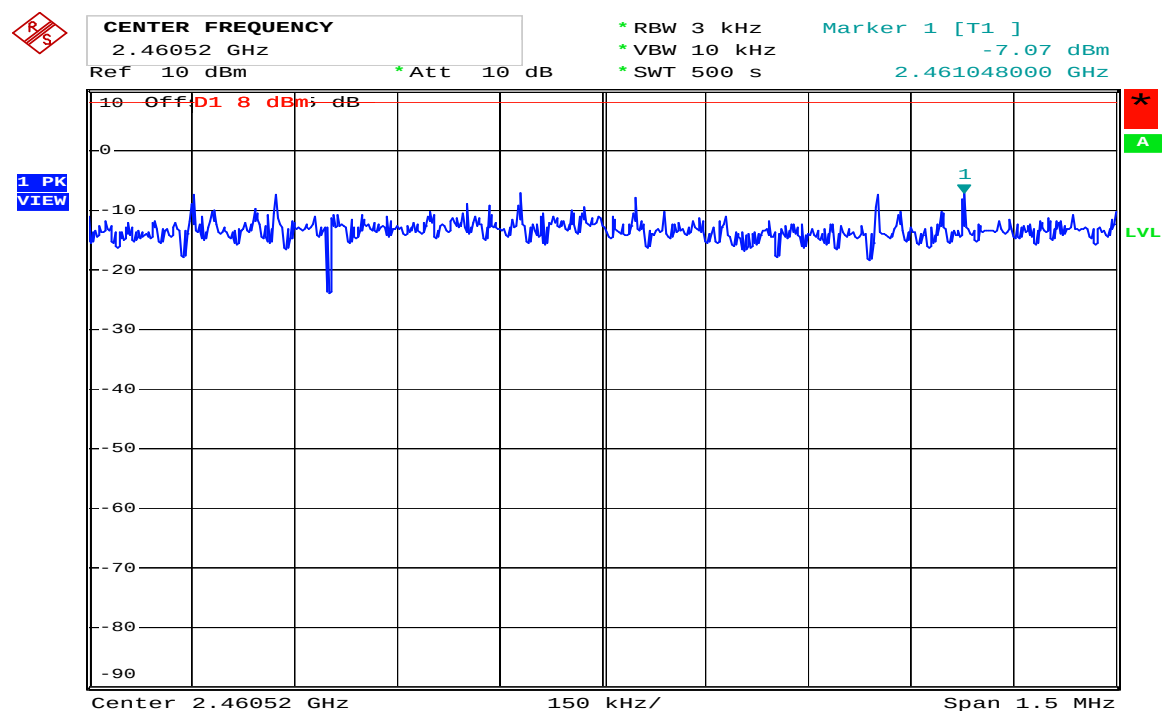
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Date: 3.SEP.2008 13:11:49

802.11b CH6 2437MHz Chain A



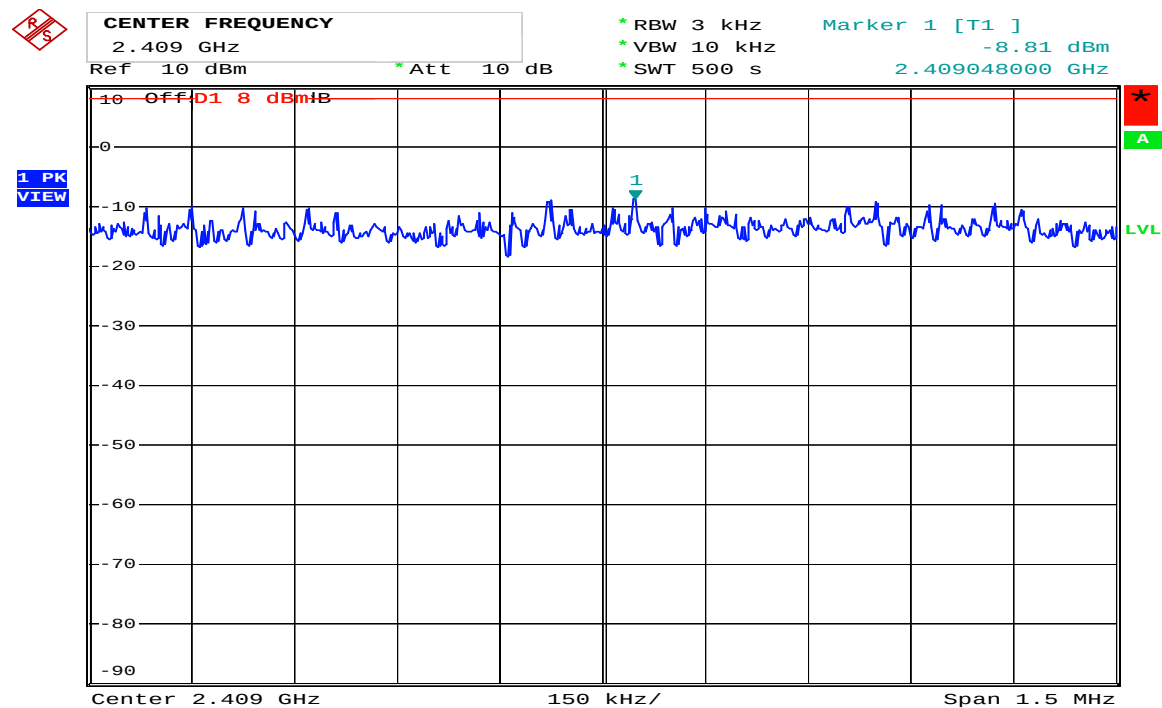
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## 802.11b CH11 2462MHz Chain A



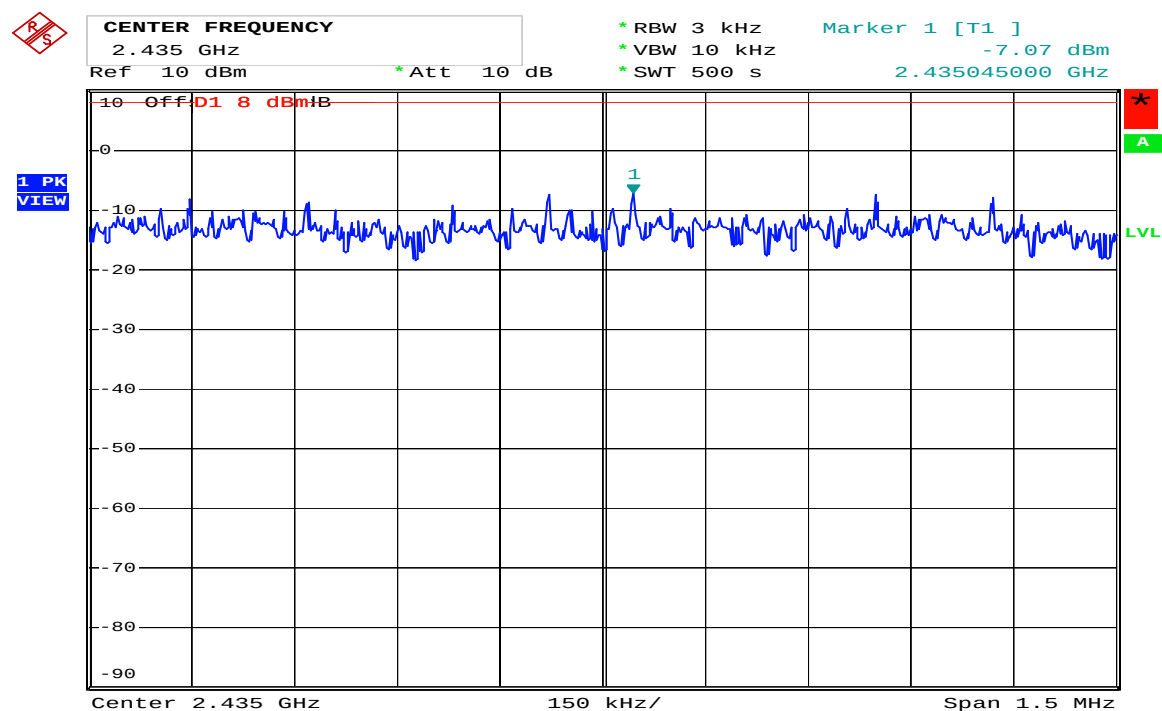
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Date: 3.SEP.2008 13:16:14

## 802.11b CH1 2412MHz Chain B



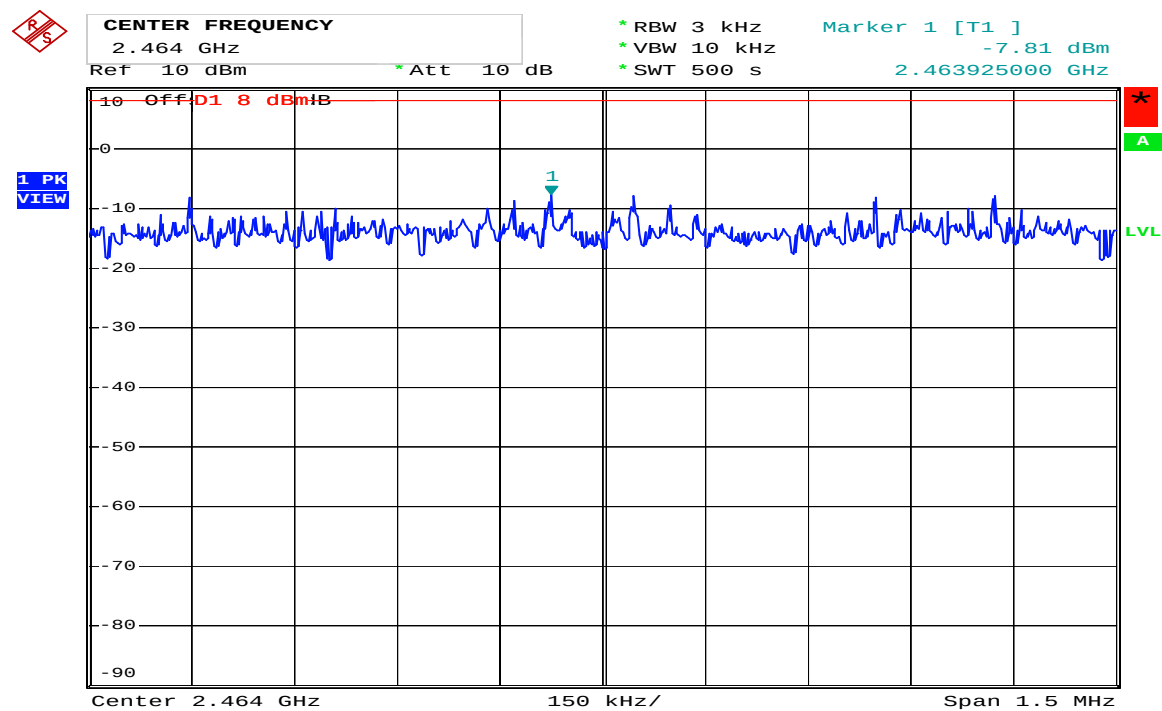
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Date: 3.SEP.2008 13:17:36

## 802.11b CH6 2437MHz Chain B



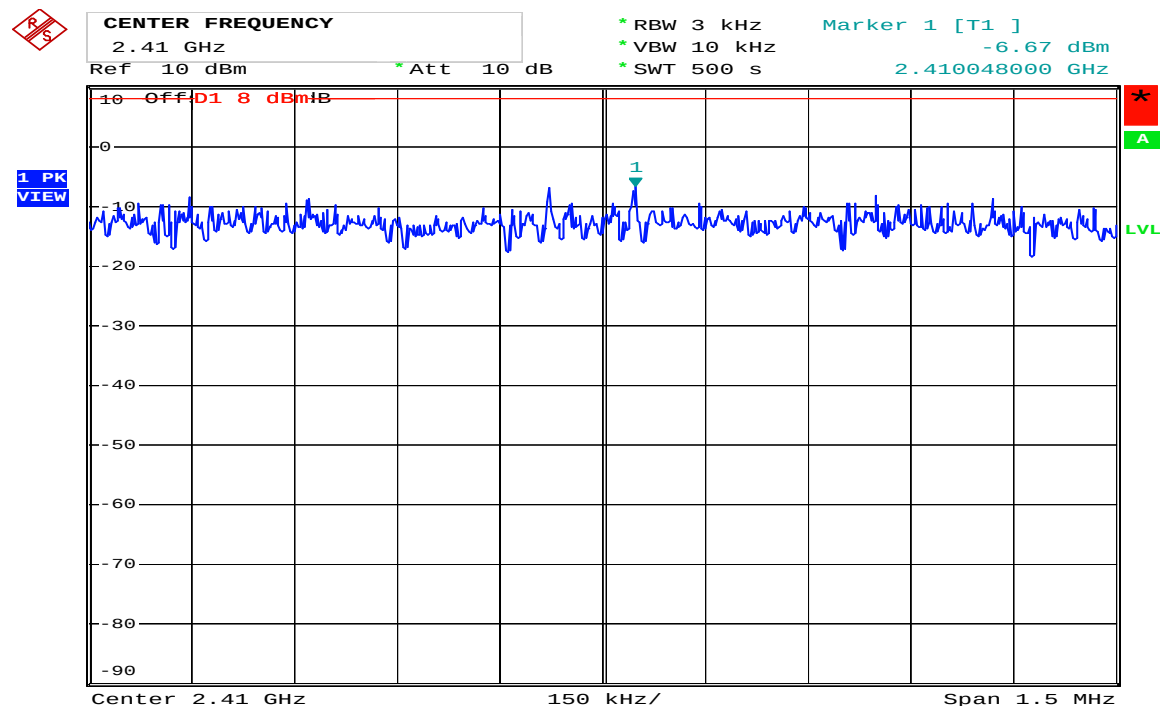
Comment: 802.11b 2437MHz  
Date: 3.SEP.2008 13:21:31

## 802.11b CH11 2462MHz Chain B



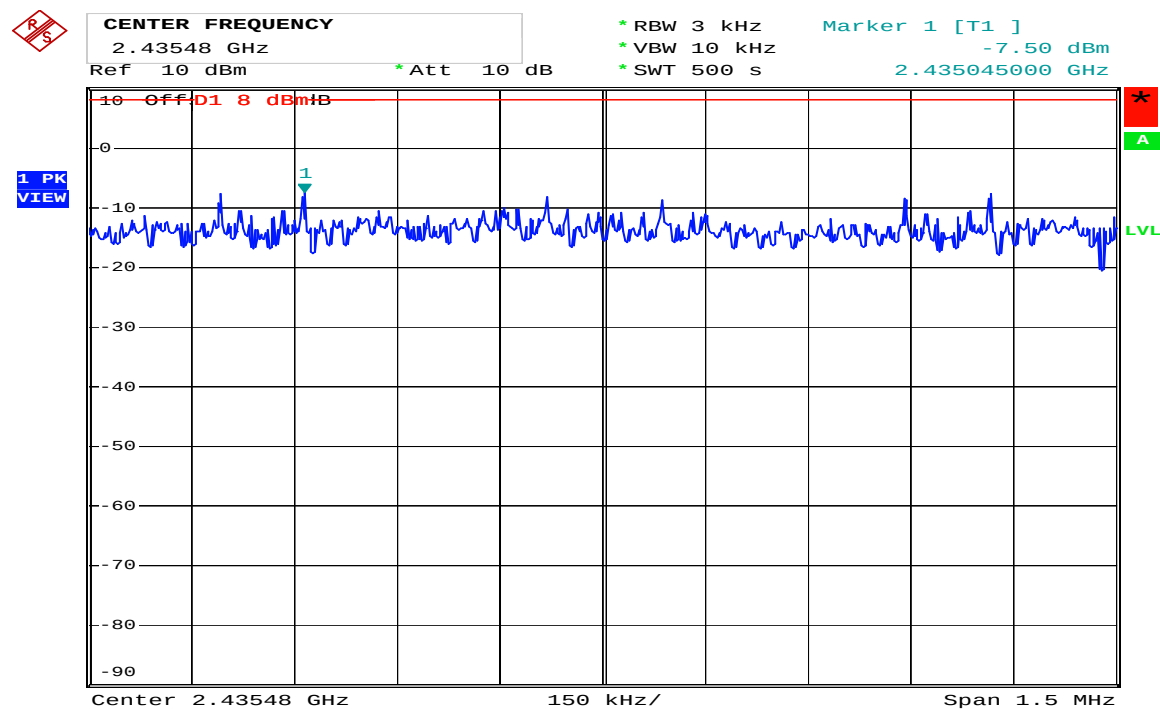
Comment: 802.11b 2462MHz  
Date: 3.SEP.2008 13:22:46

## 802.11b CH1 2412MHz Chain C



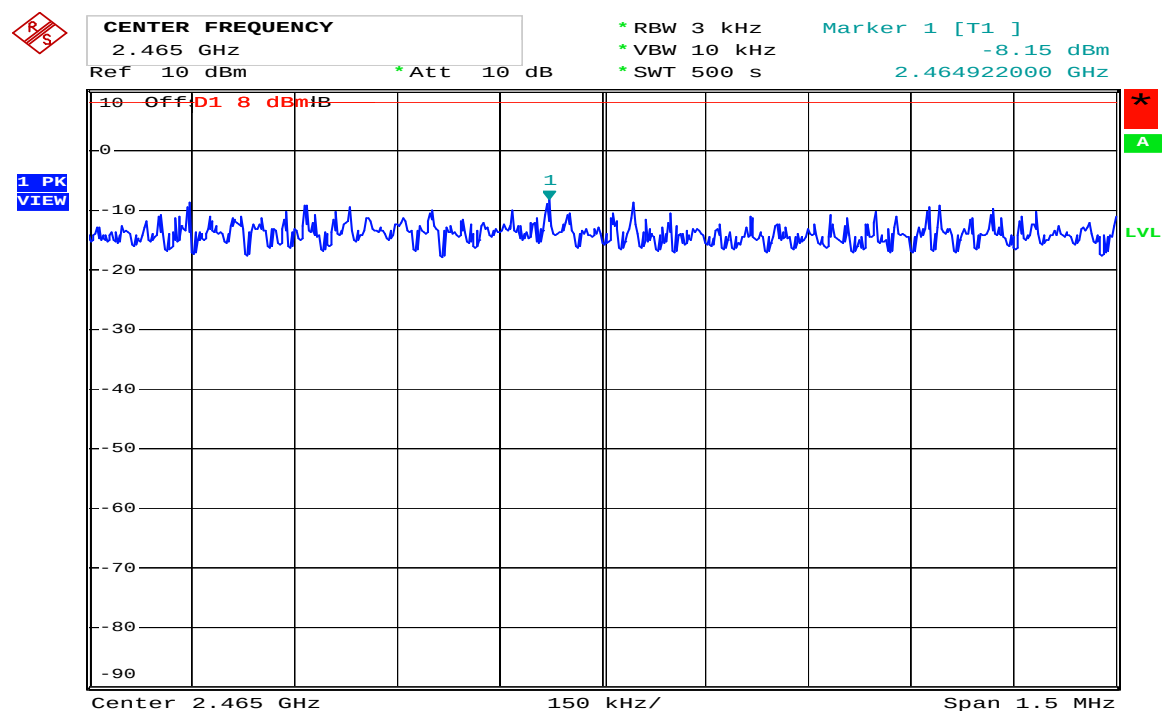
Comment: 802.11b 2412MHz  
Date: 3.SEP.2008 13:23:56

## 802.11b CH6 2437MHz Chain C



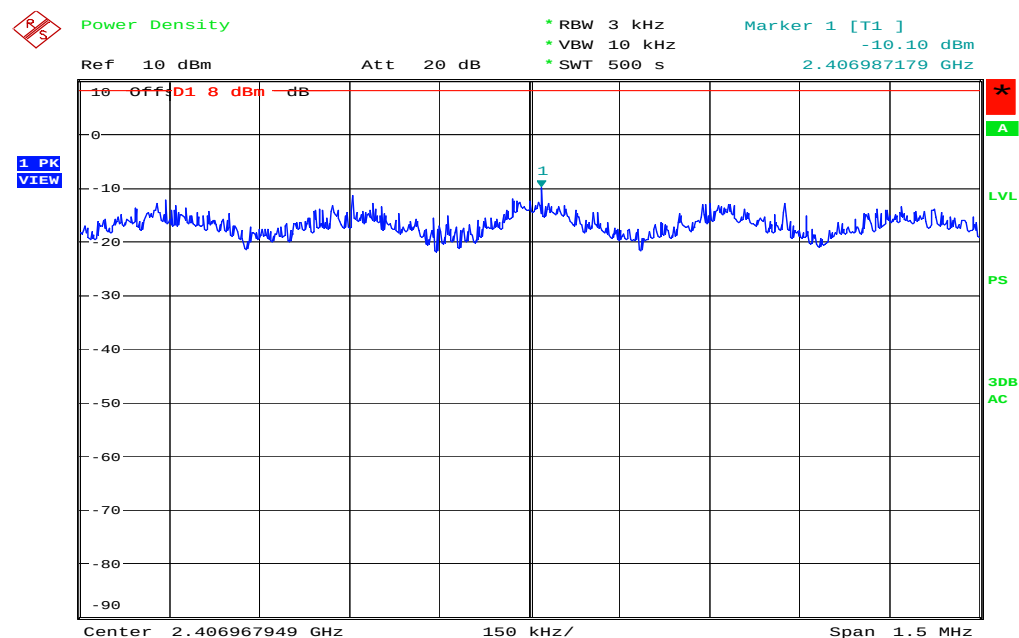
Comment: 802.11b 2437MHz  
Date: 3.SEP.2008 13:25:01

## 802.11b CH11 2462MHz Chain C



Comment: 802.11b 2462MHz  
Date: 3.SEP.2008 13:26:09

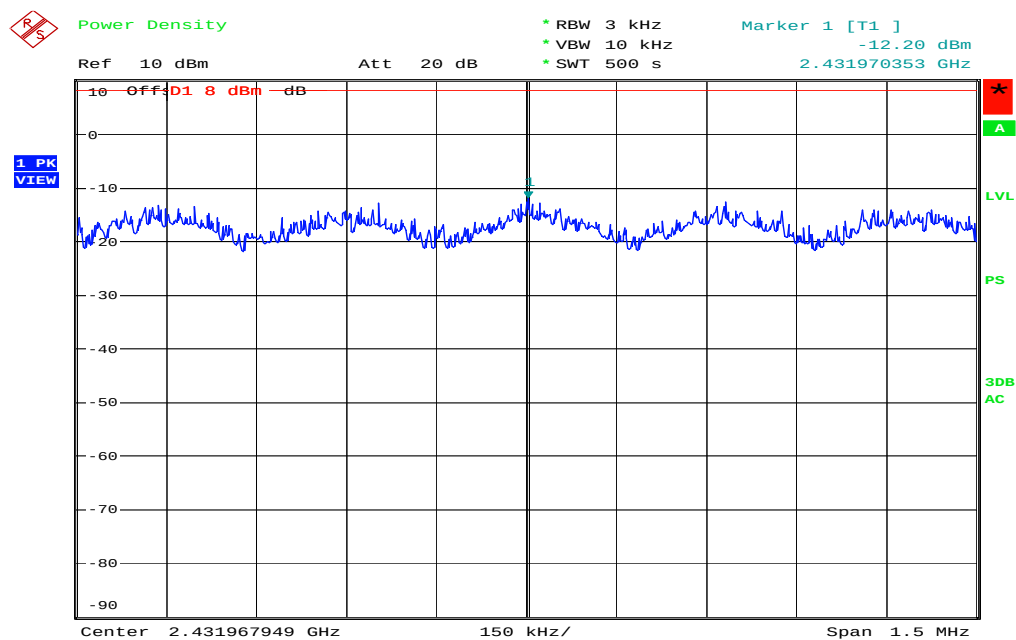
## 802.11g CH1 2412MHz Chain A



802.11g 2412MHz  
Date: 17.SEP.2008 14:21:32

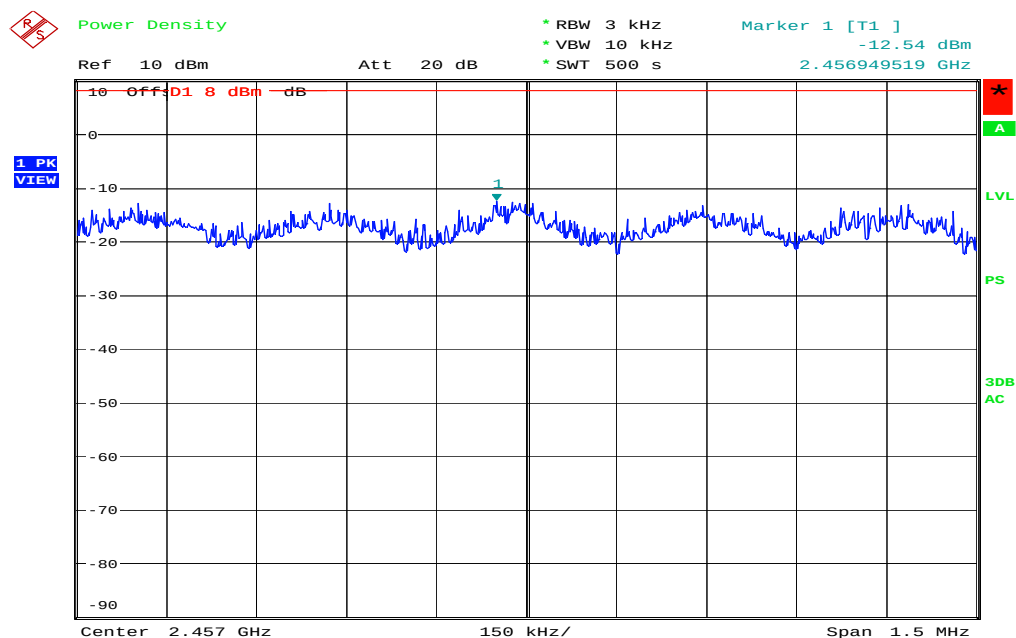


## 802.11g CH6 2437MHz Chain A



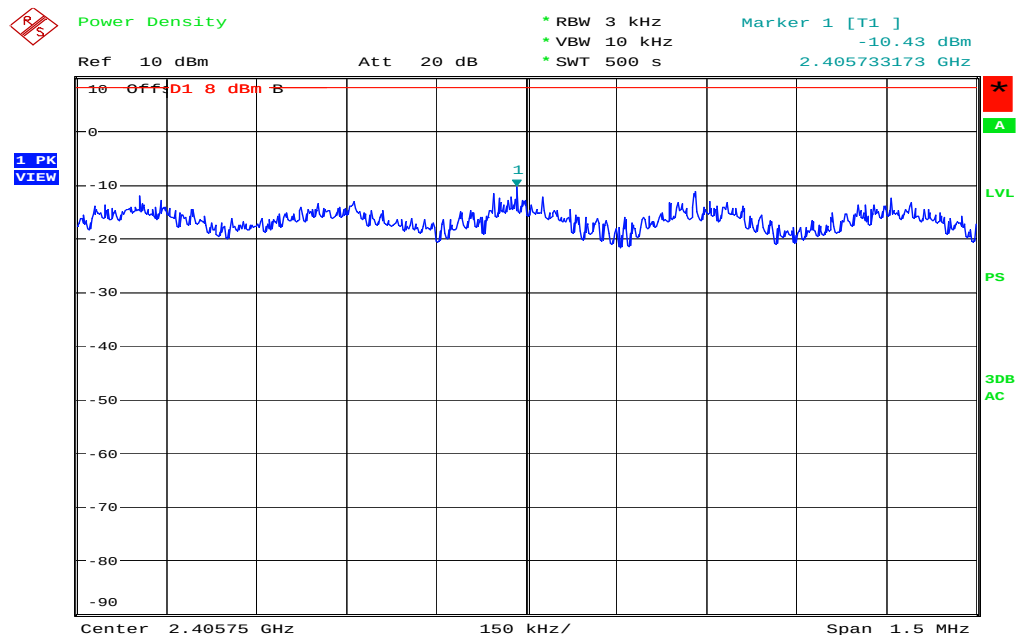
802.11g 2437MHz  
Date: 17.SEP.2008 14:23:50

## 802.11g CH11 2462MHz Chain A



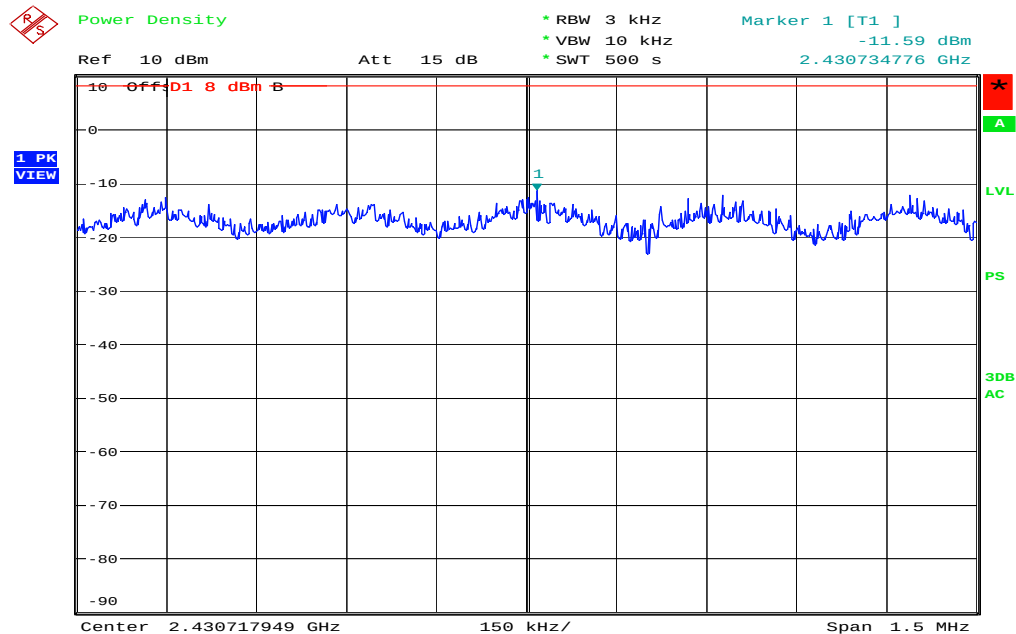
802.11g 2462MHz  
Date: 17.SEP.2008 14:25:20

## 802.11g CH1 2412MHz Chain B



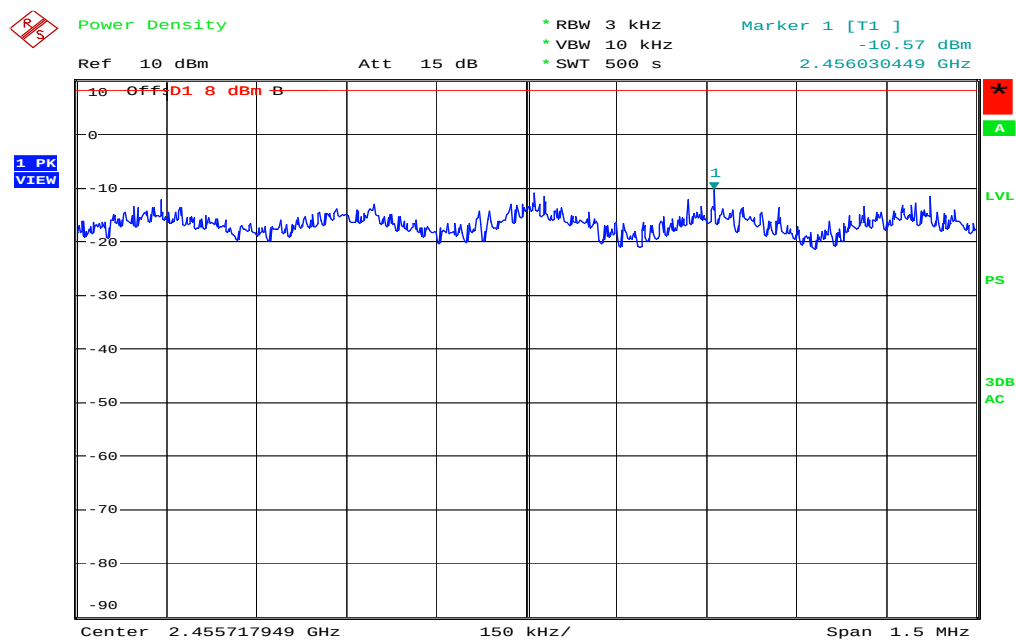
802.11g 2412MHz  
Date: 17.SEP.2008 14:29:55

## 802.11g CH6 2437MHz Chain B



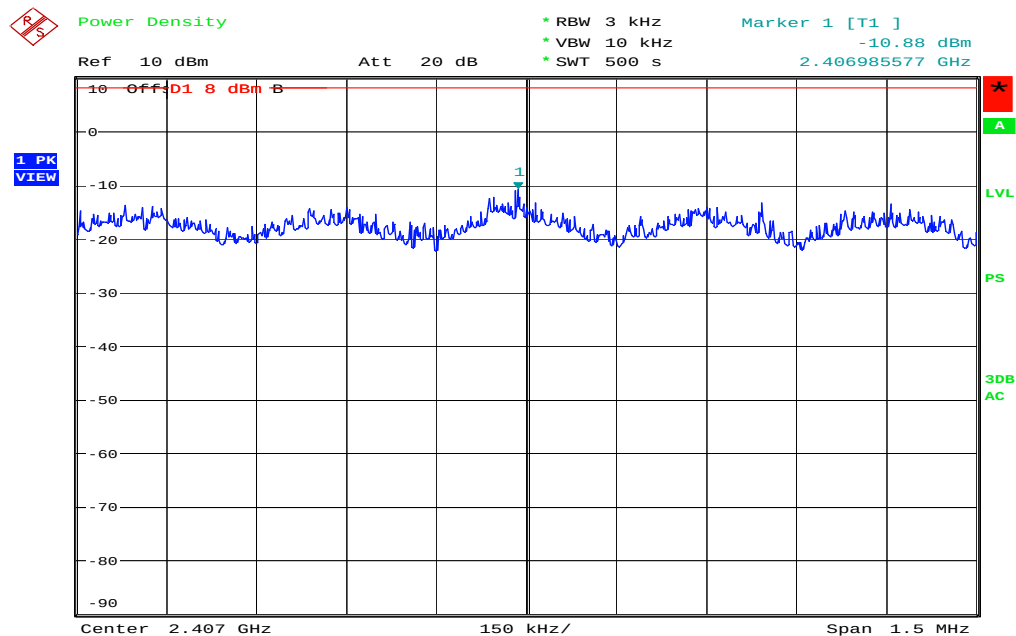
802.11g 2437MHz  
Date: 17.SEP.2008 14:28:31

## 802.11g CH11 2462MHz Chain B



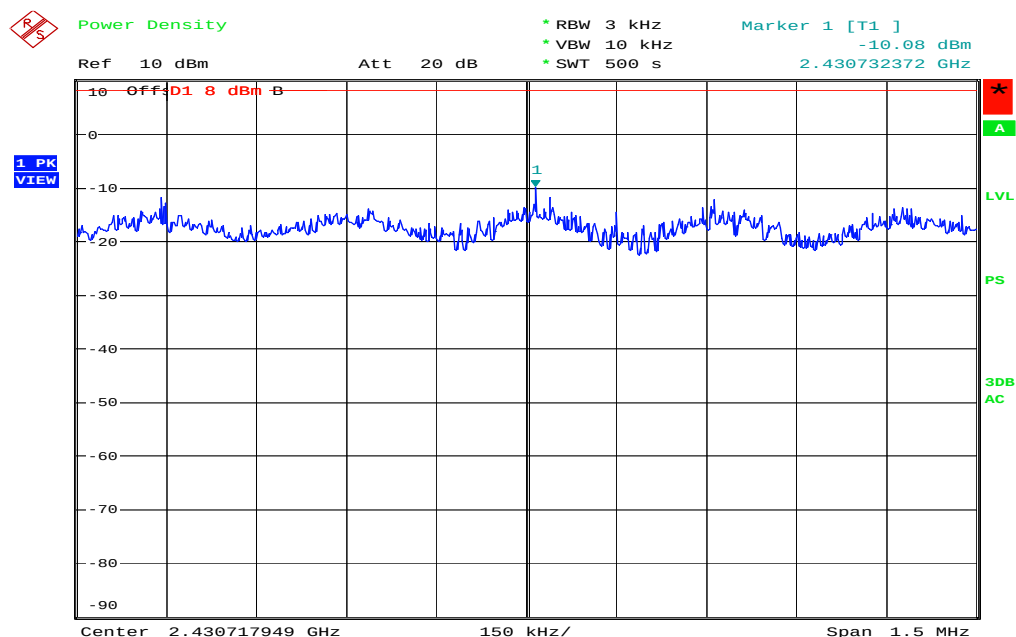
802.11g 2462MHz  
Date: 17.SEP.2008 14:27:01

## 802.11g CH1 2412MHz Chain C



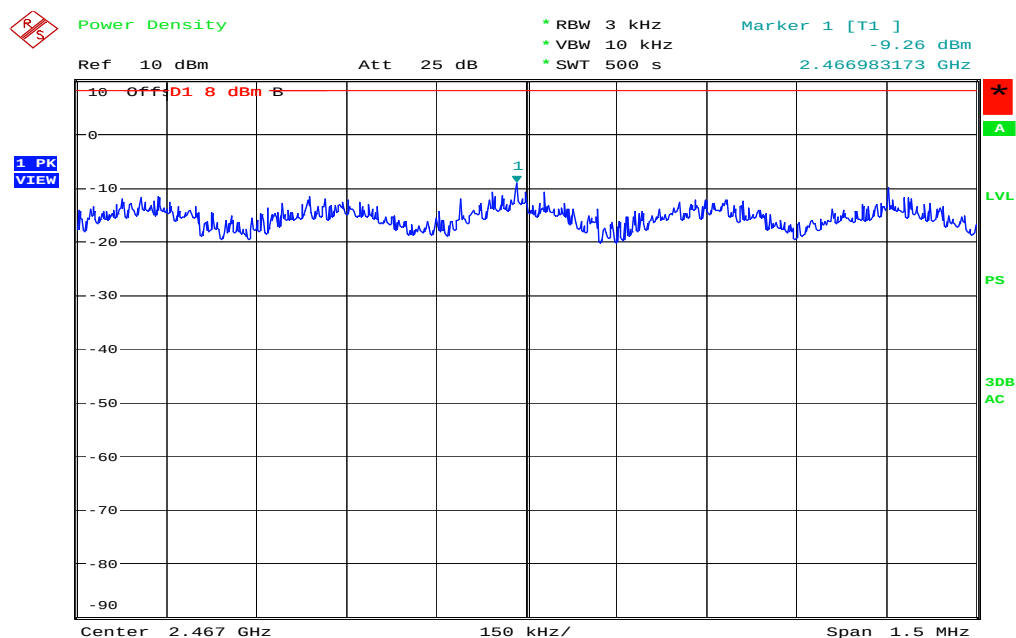
802.11g 2412MHz  
Date: 17.SEP.2008 14:31:50

## 802.11g CH6 2437MHz Chain C



802.11g 2437MHz  
Date: 17.SEP.2008 14:33:05

## 802.11g CH11 2462MHz Chain C

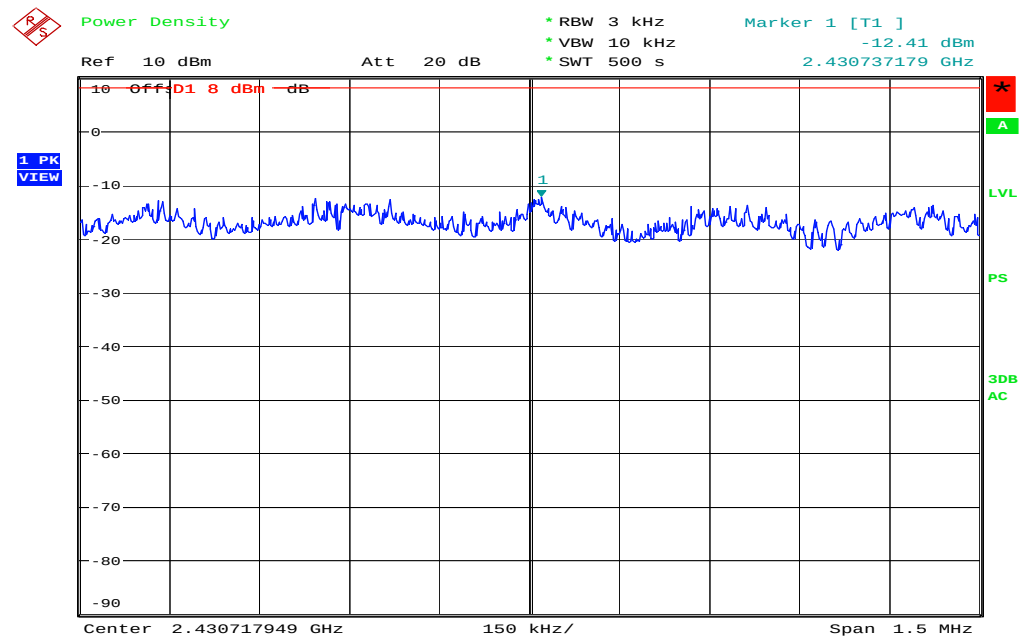


802.11g 2462MHz  
Date: 17.SEP.2008 14:34:57

The screenshot displays a Spectrum Analyzer interface with the following details:

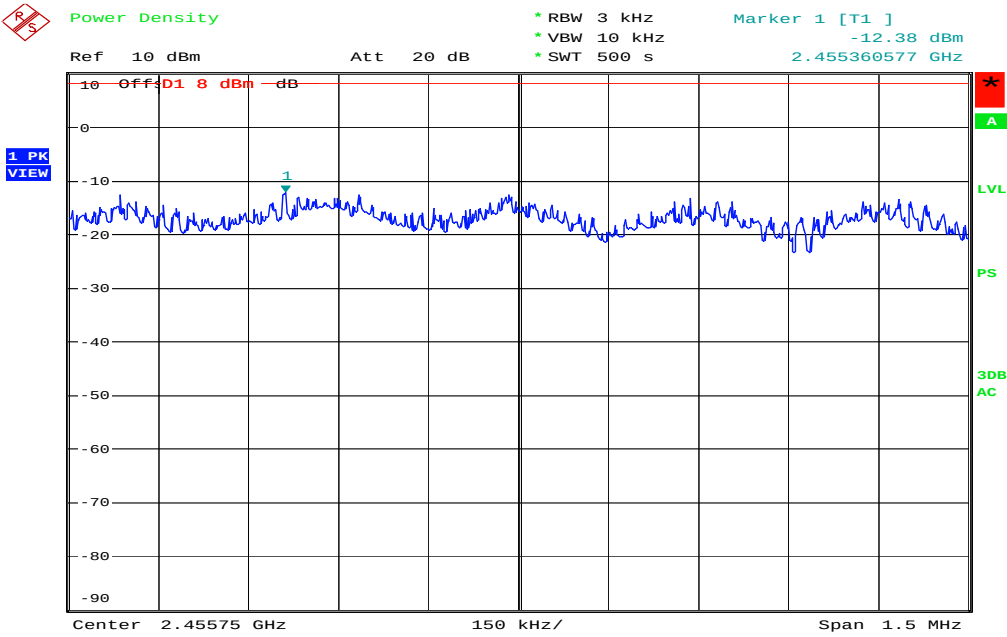
- Top Bar:**
  - Left: A red diamond icon with 'R' and 'S' inside.
  - Center: 'Power Density' in green text.
  - Right: Measurement data for 'Marker 1 [T1]':
    - \* RBW 3 kHz
    - \* VBW 10 kHz
    - \* SWT 500 s
    - 12.33 dBm
    - 2.407585737 GHz
- Control Area:**
  - Ref: 10 dBm
  - Att: 20 dB
  - Buttons: '1 PK VIEW' (blue), 'Off' (red), 'D1 8 dBm -dB' (red).
- Plot Area:**
  - Y-axis: Power density in dBm, ranging from -90 to -10.
  - X-axis: Frequency in GHz, ranging from 2.406967949 to 2.407585737.
  - Trace: A blue line representing the signal, showing significant noise. A green arrow points to a peak at -12.33 dBm.
  - Grid: A 10x10 grid for frequency and power.
- Bottom Bar:**
  - Center: 2.406967949 GHz
  - Span: 1.5 MHz
  - Resolution: 150 kHz/
- Right Panel:**
  - Buttons: A red star icon, a green 'A' button, and a green 'LVL' button.
  - Labels: 'PS' and '3DB AC' in green text.

## 802.11n (HT20) CH6 2437MHz Chain A



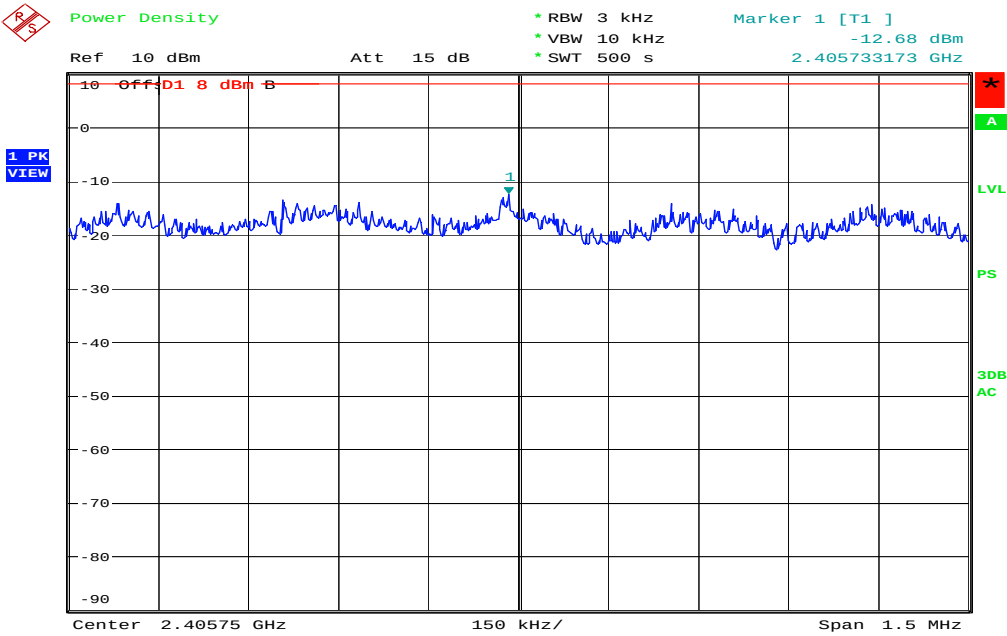
Test Report

802.11n (HT20) CH11 2462MHz Chain A



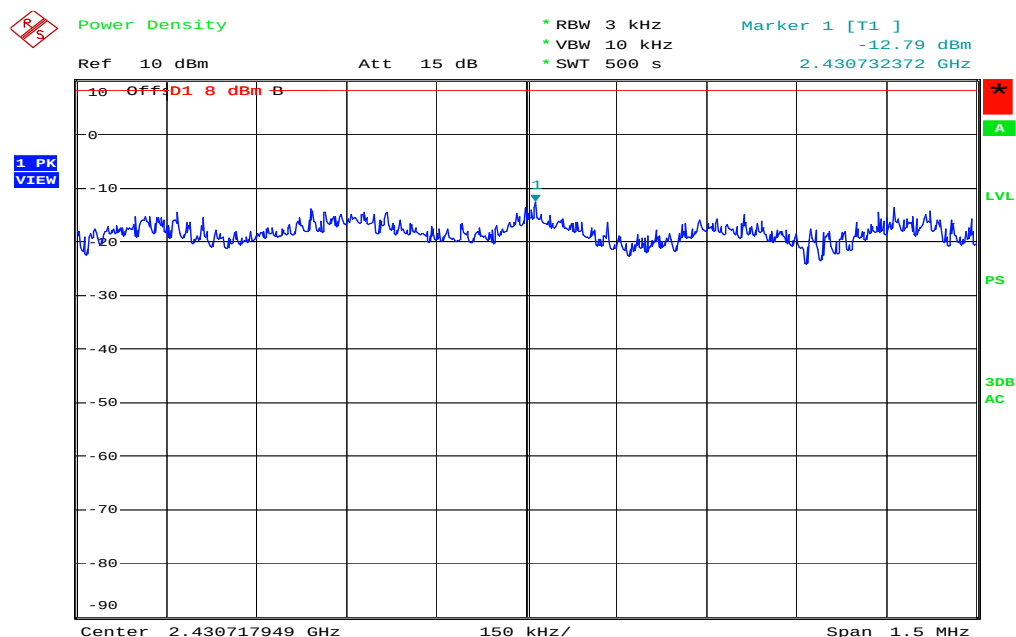
802.11n(20) 2462MHz  
Date: 17.SEP.2008 14:58:43

802.11n (HT20) CH1 2412MHz Chain B



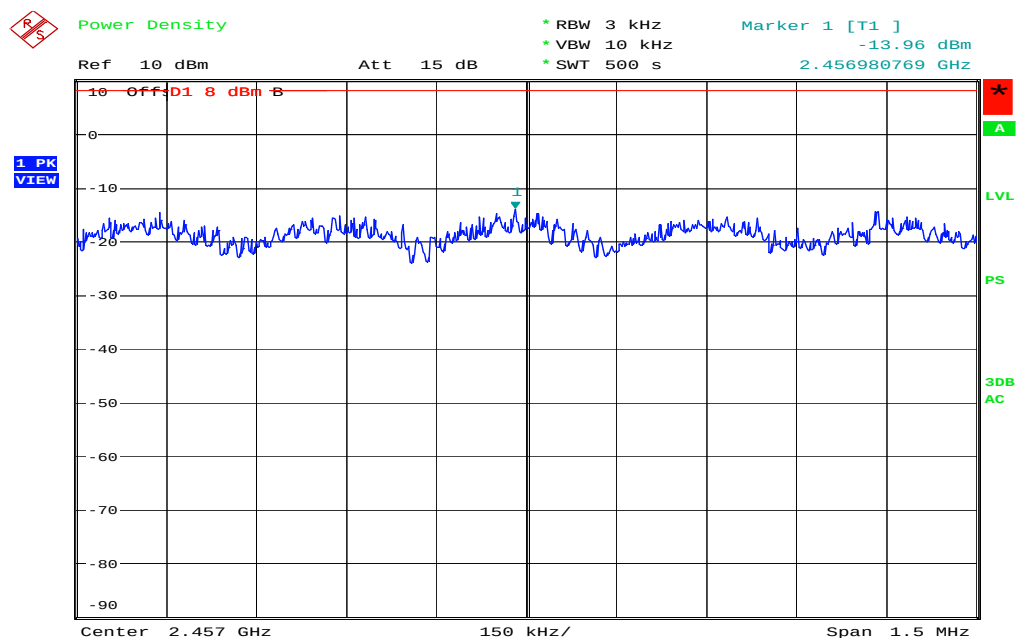
802.11n(20) 2412MHz  
Date: 17.SEP.2008 15:03:07

## 802.11n (HT20) CH6 2437MHz Chain B



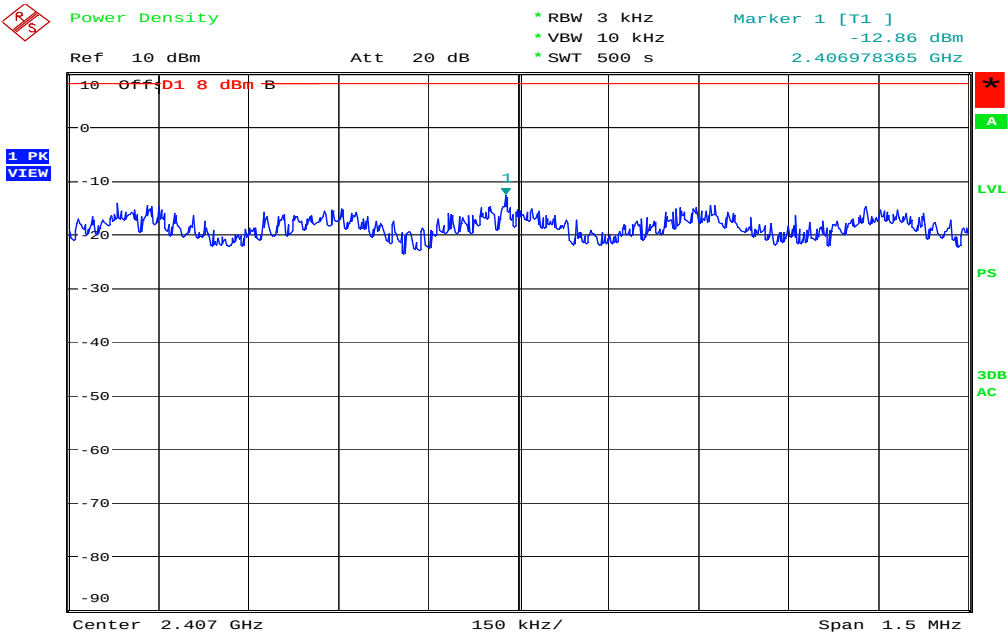
802.11n(20) 2437MHz  
Date: 17.SEP.2008 15:01:48

## 802.11n (HT20) CH11 2462MHz Chain B



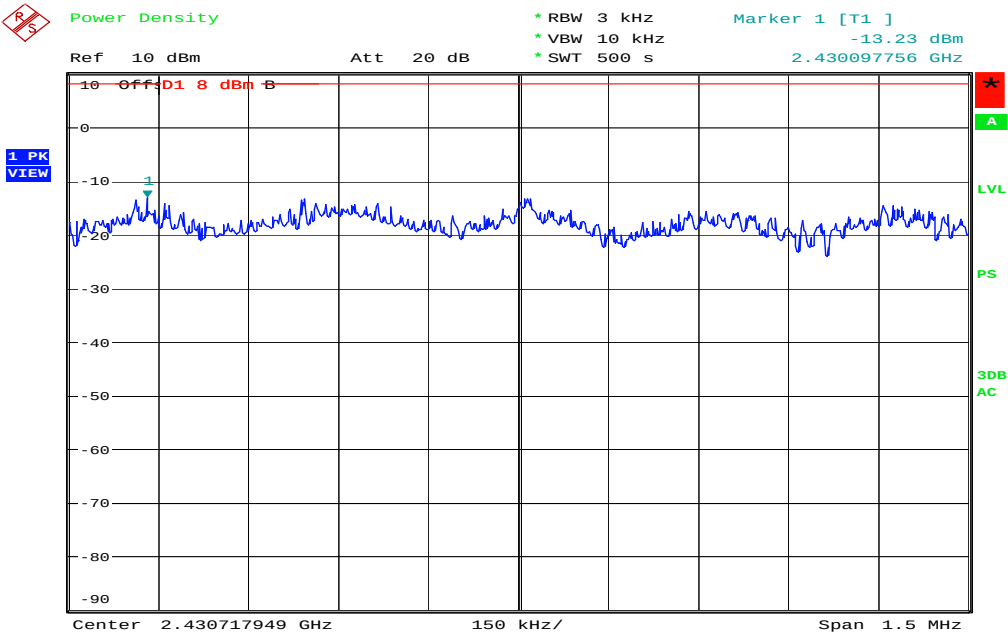
802.11n(20) 2462MHz  
Date: 17.SEP.2008 15:00:19

802.11n (HT20) CH1 2412MHz Chain C



802.11n(20) 2412MHz  
Date: 17.SEP.2008 15:04:32

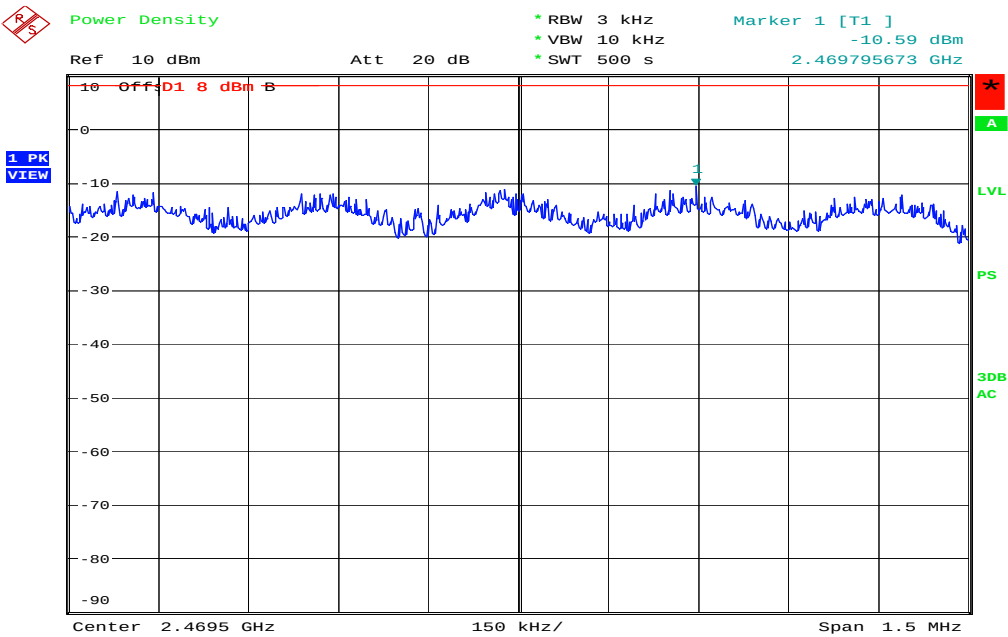
802.11n (HT20) CH6 2437MHz Chain C



802.11n(20) 2437MHz  
Date: 17.SEP.2008 15:06:02

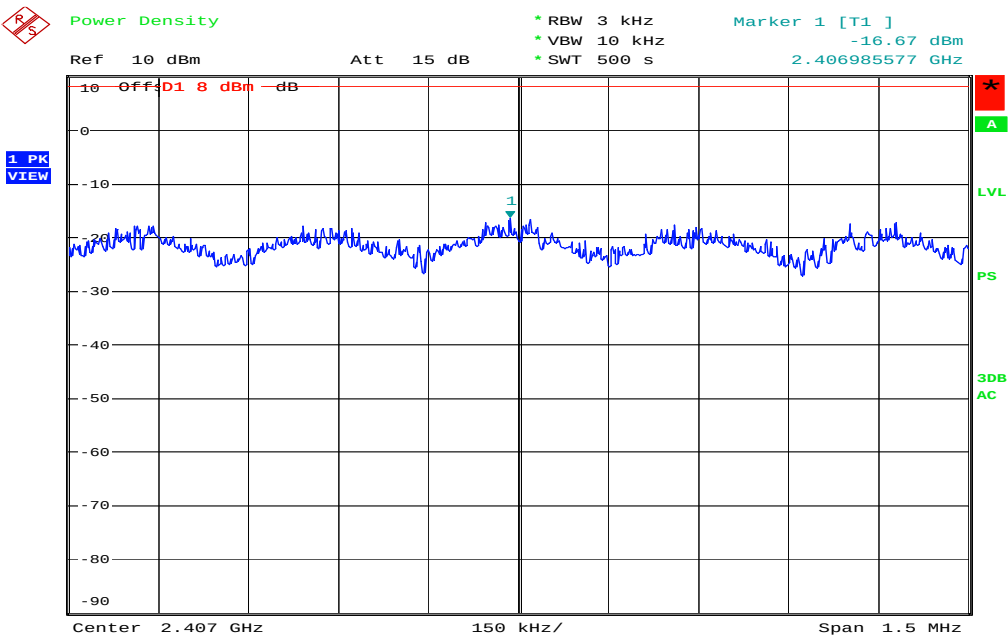


802.11n (HT20) CH11 2462MHz Chain C



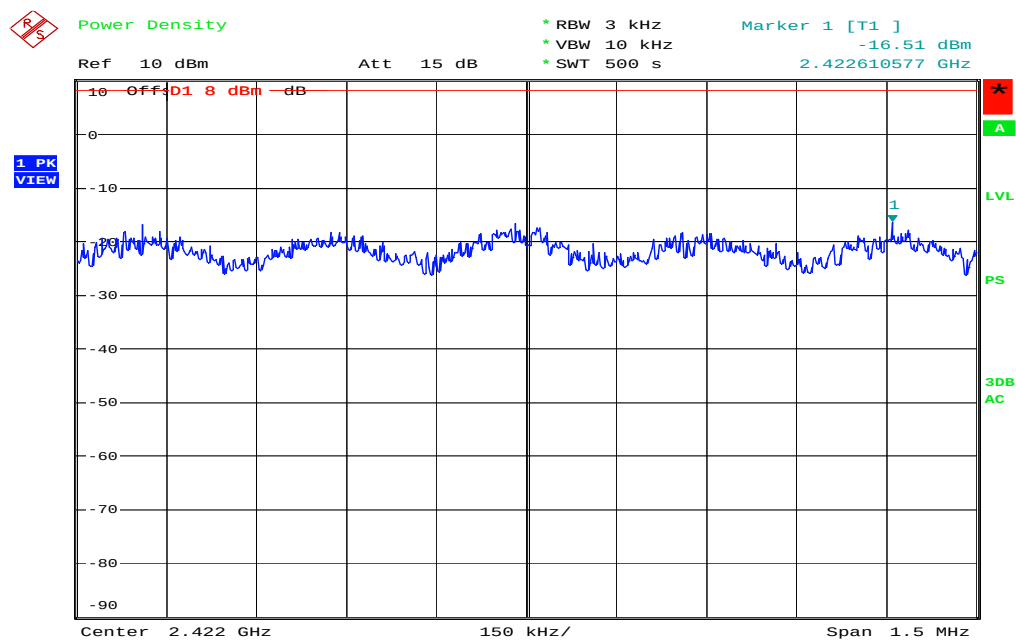
802.11n(20) 2462MHz  
Date: 17.SEP.2008 15:09:22

802.11n (HT40) CH3 2422MHz Chain A



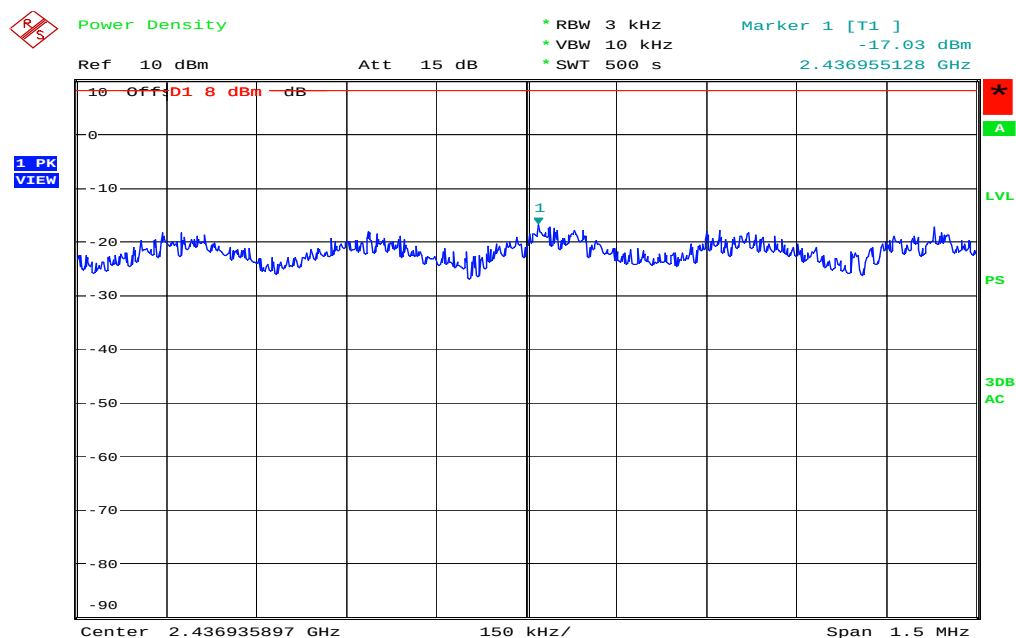
802.11n(40) 2422MHz  
Date: 17.SEP.2008 15:19:17

## 802.11n (HT40) CH6 2437MHz Chain A



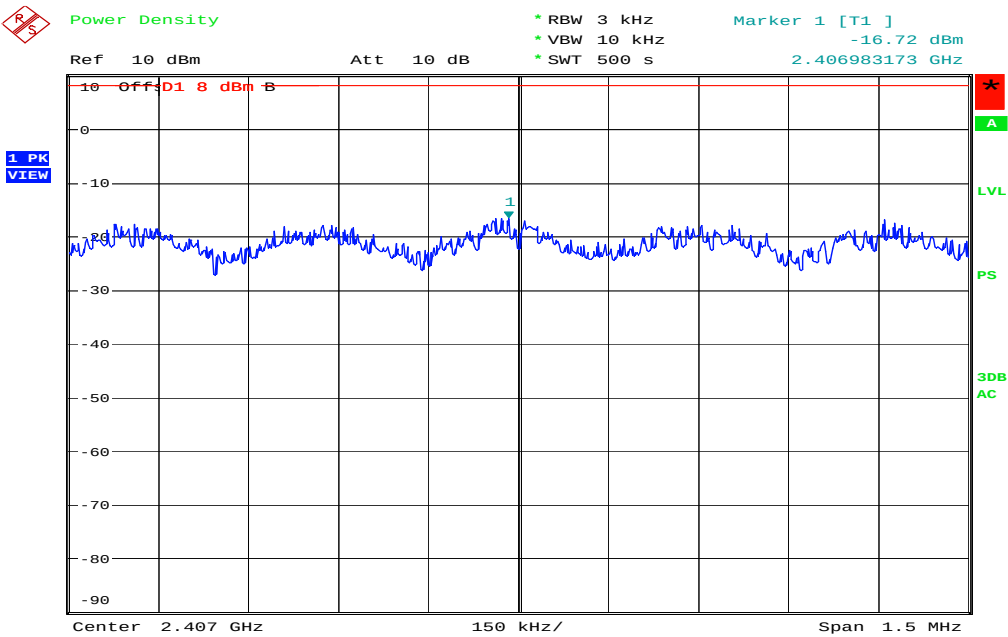
802.11n(40) 2437MHz  
Date: 17.SEP.2008 15:20:40

## 802.11n (HT40) CH9 2452MHz Chain A



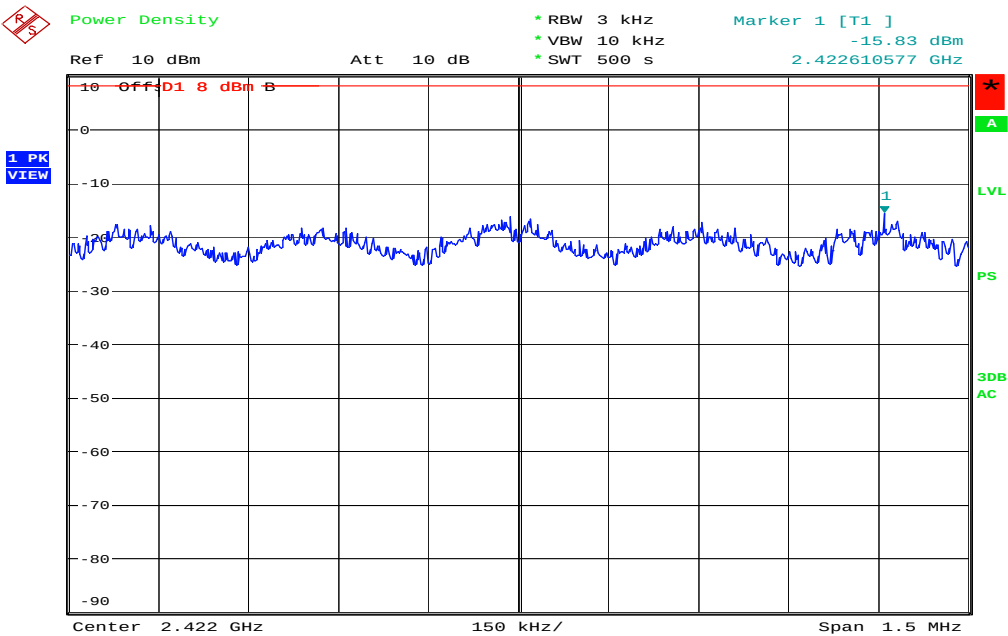
802.11n(40) 2452MHz  
Date: 17.SEP.2008 15:22:07

802.11n (HT40) CH3 2422MHz Chain B



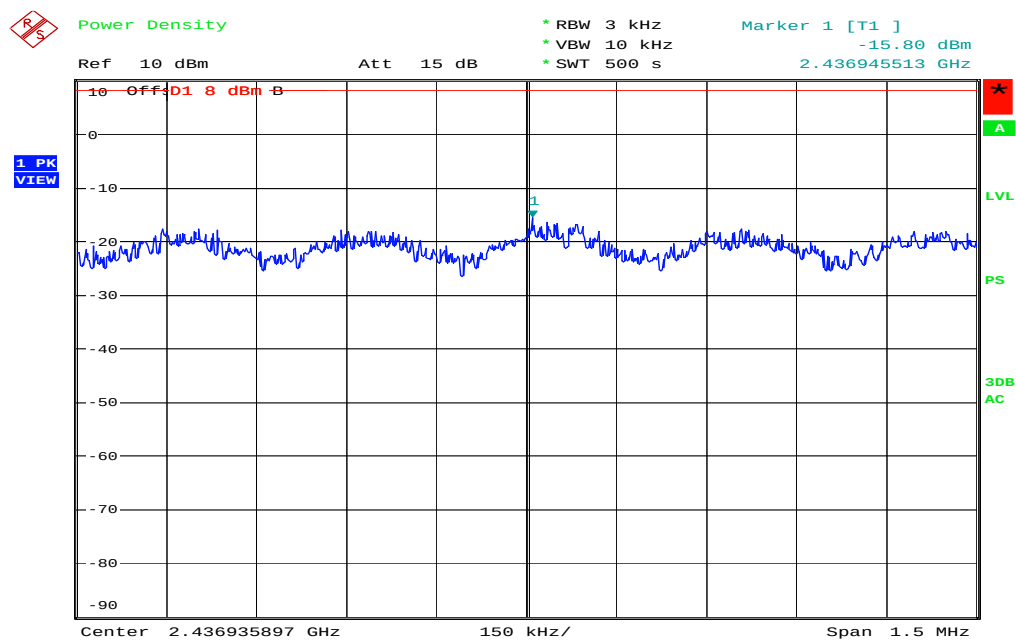
802.11n(40) 2422MHz  
Date: 17.SEP.2008 15:25:57

802.11n (HT40) CH6 2437MHz Chain B



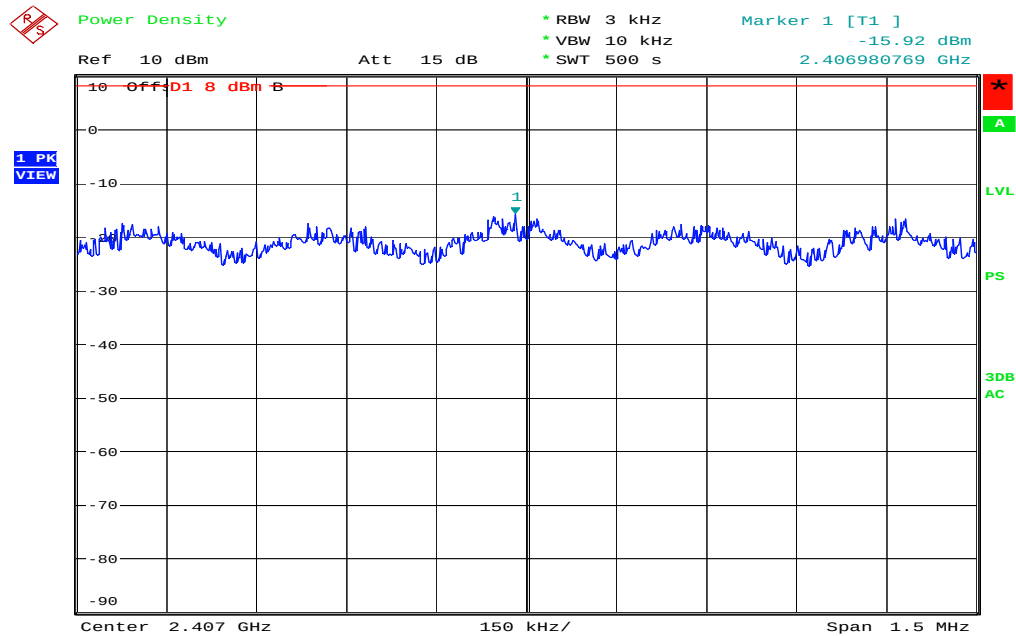
802.11n(40) 2437MHz  
Date: 17.SEP.2008 15:24:49

## 802.11n (HT40) CH9 2452MHz Chain B



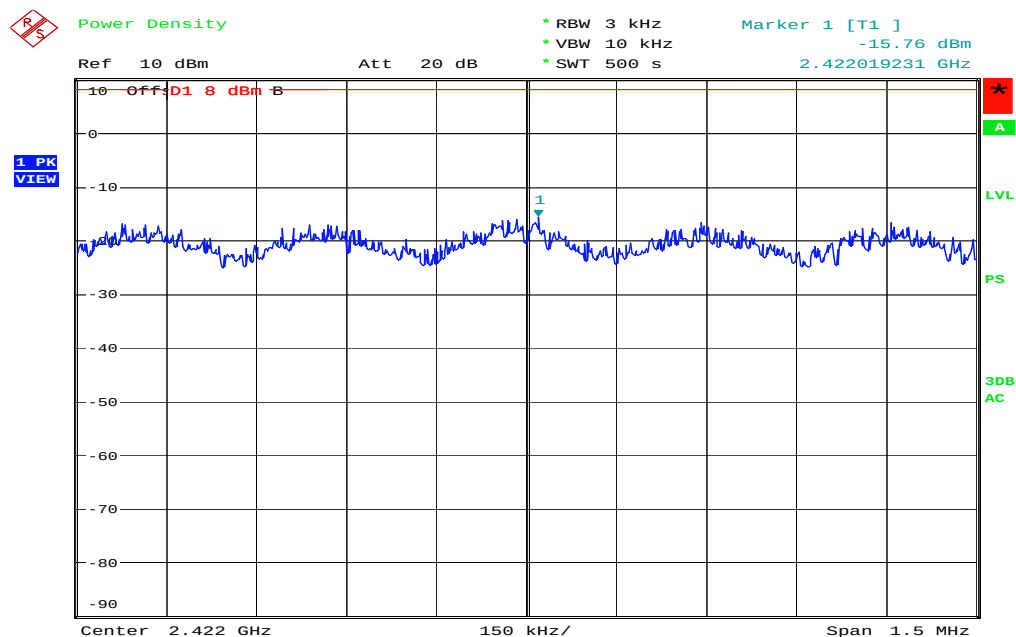
802.11n(40) 2452MHz  
Date: 17.SEP.2008 15:23:16

## 802.11n (HT40) CH3 2422MHz Chain C



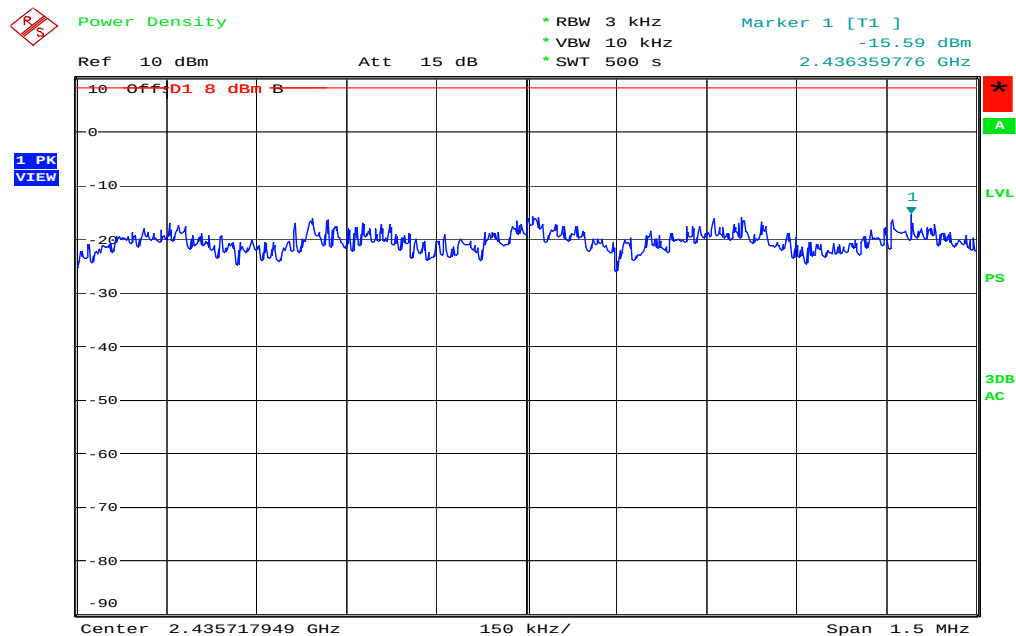
802.11n(40) 2422MHz  
Date: 17.SEP.2008 15:27:10

## 802.11n (HT40) CH6 2437MHz Chain C



802.11n(40) 2437MHz  
Date: 17.SEP.2008 15:28:28

## 802.11n (HT40) CH9 2452MHz Chain C

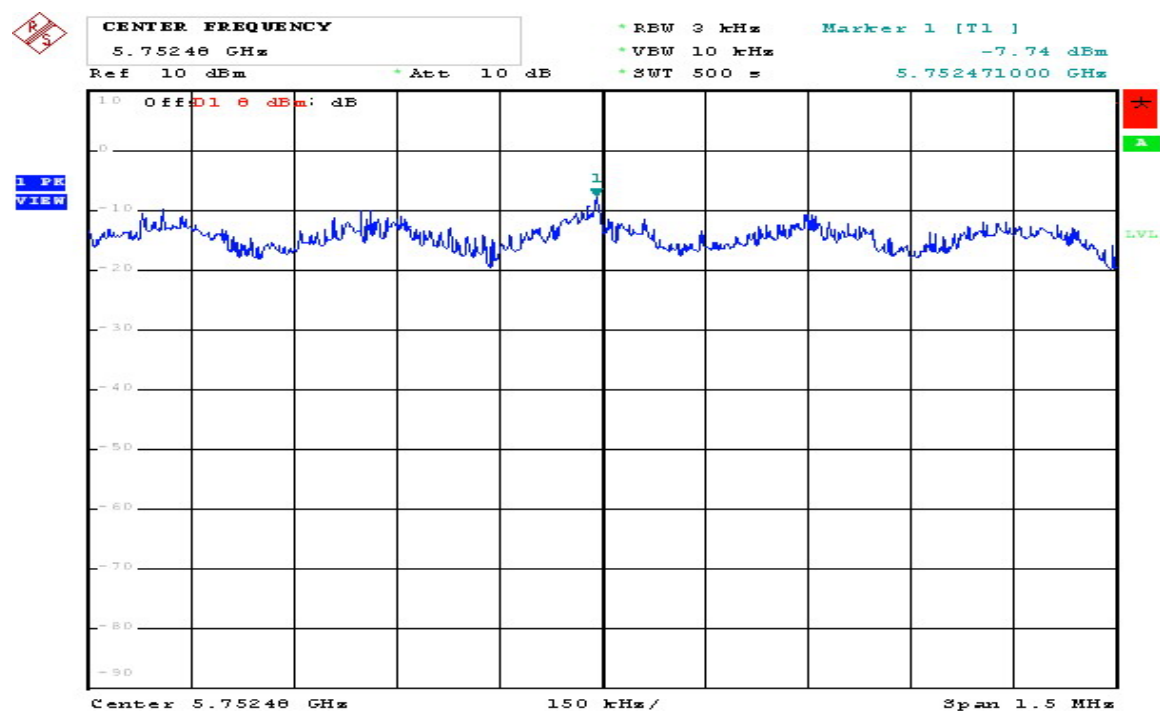


802.11n(40) 2452MHz  
Date: 17.SEP.2008 15:30:02

## Single Tx

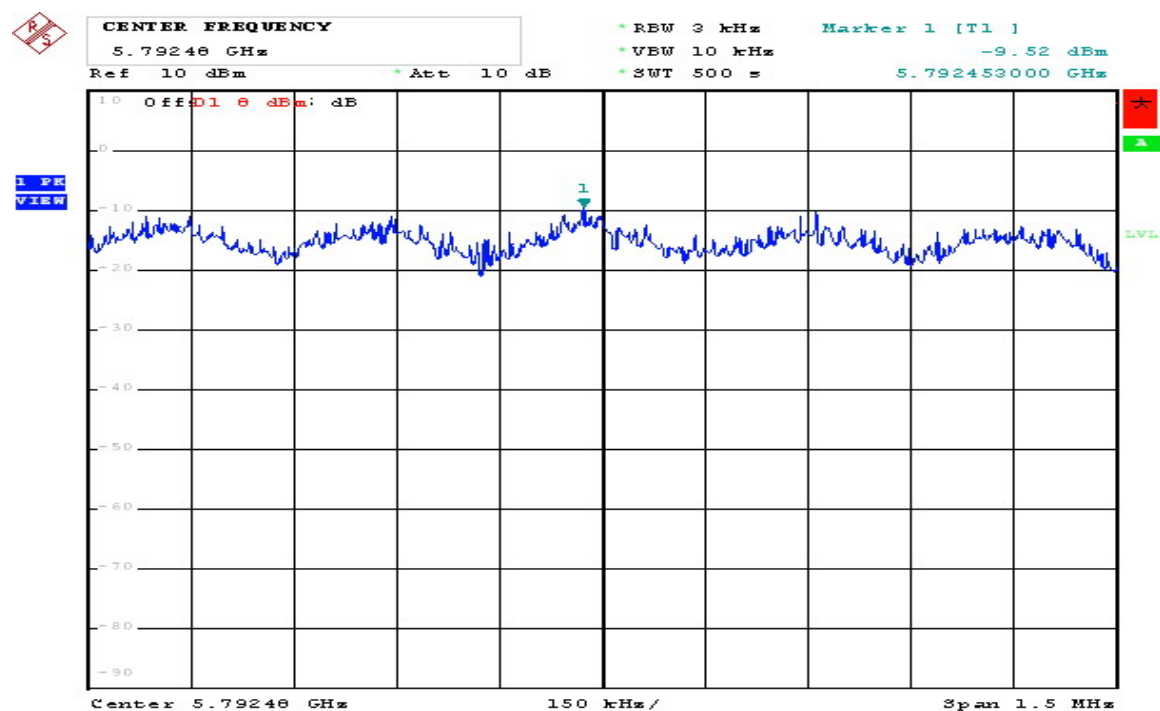
### 5GHz

#### 802.11a CH149 5745MHz Chain A



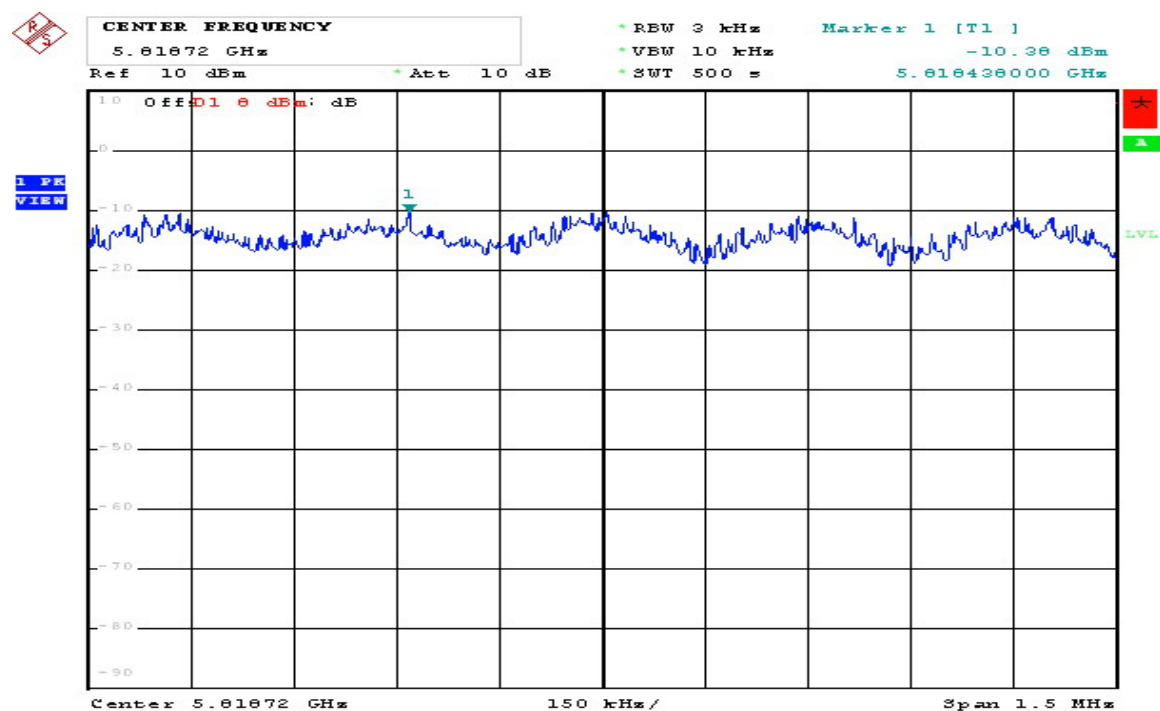
Comment: 802.11a 5745MHz  
Date: 3.SEP.2008 16:11:53

#### 802.11a CH157 5785MHz Chain A



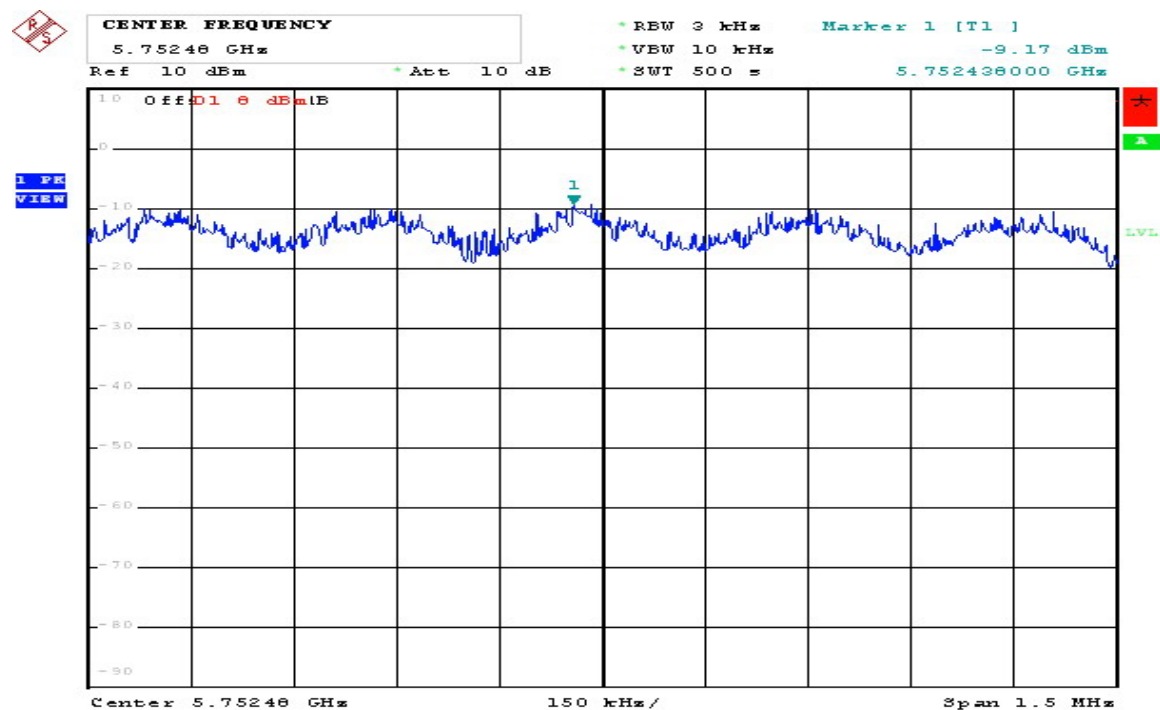
Comment: 802.11a 5785MHz  
Date: 3.SEP.2008 16:13:02

## 802.11a CH165 5825MHz Chain A



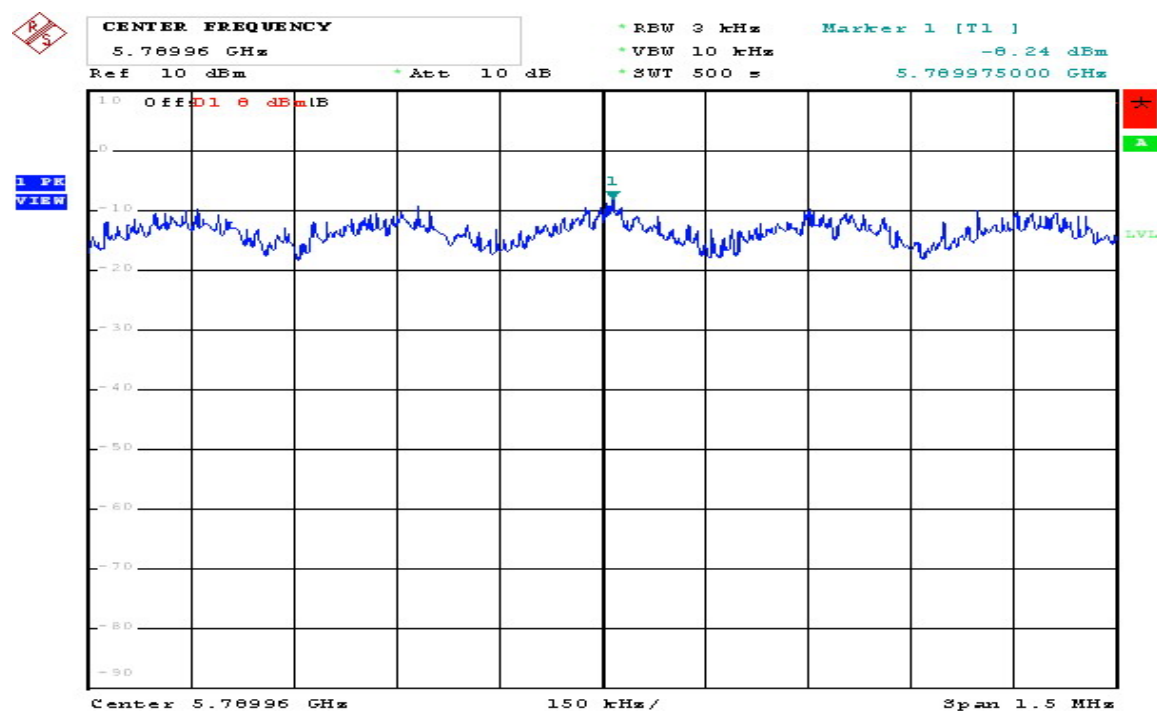
Comment: 802.11a 5825MHz  
Date: 3.SEP.2008 18:14:11

## 802.11a CH149 5745MHz Chain B



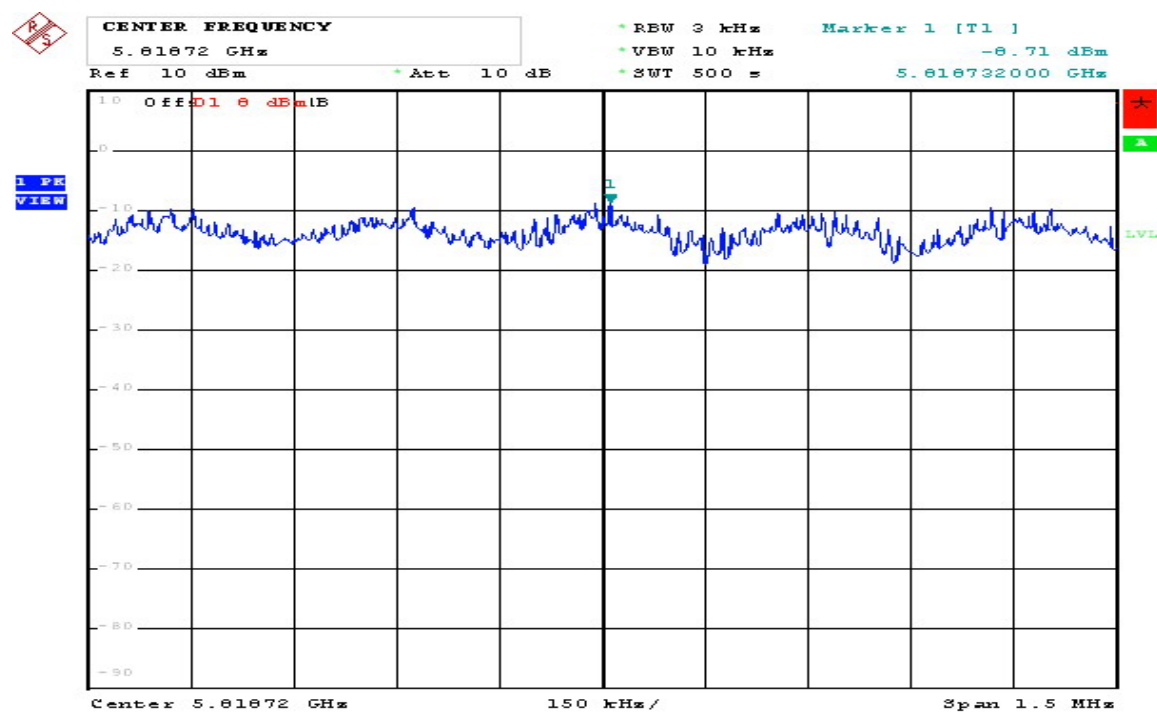
Comment: 802.11a 5745MHz  
Date: 3.SEP.2008 18:16:14

## 802.11a CH157 5785MHz Chain B



Comment: 802.11a 5785MHz  
Date: 3.SEP.2008 18:17:27

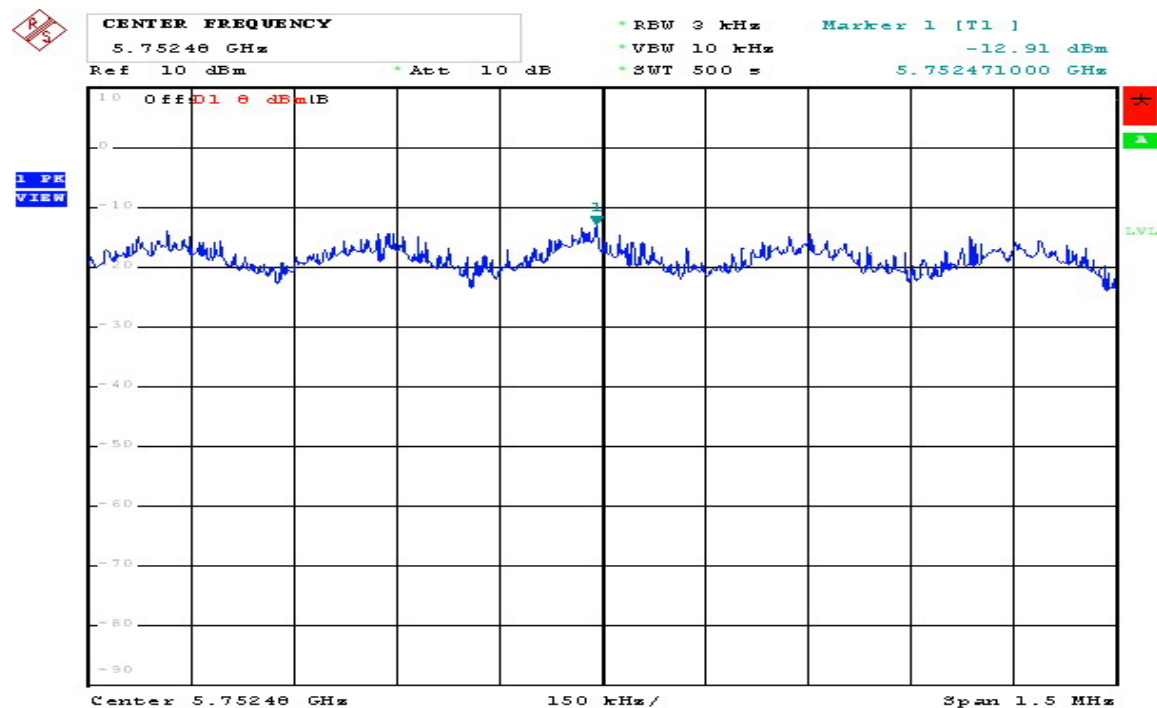
## 802.11a CH165 5825MHz Chain B



Comment: 802.11a 5825MHz  
Date: 3.SEP.2008 18:18:36

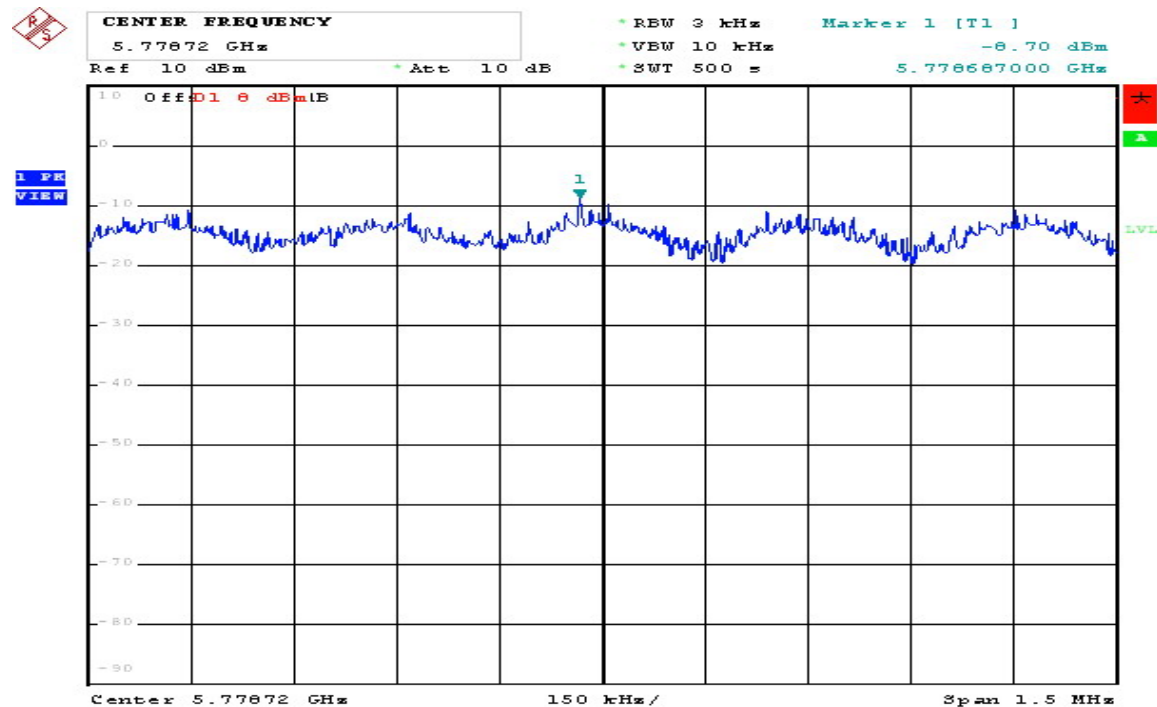


## 802.11a CH149 5745MHz Chain C



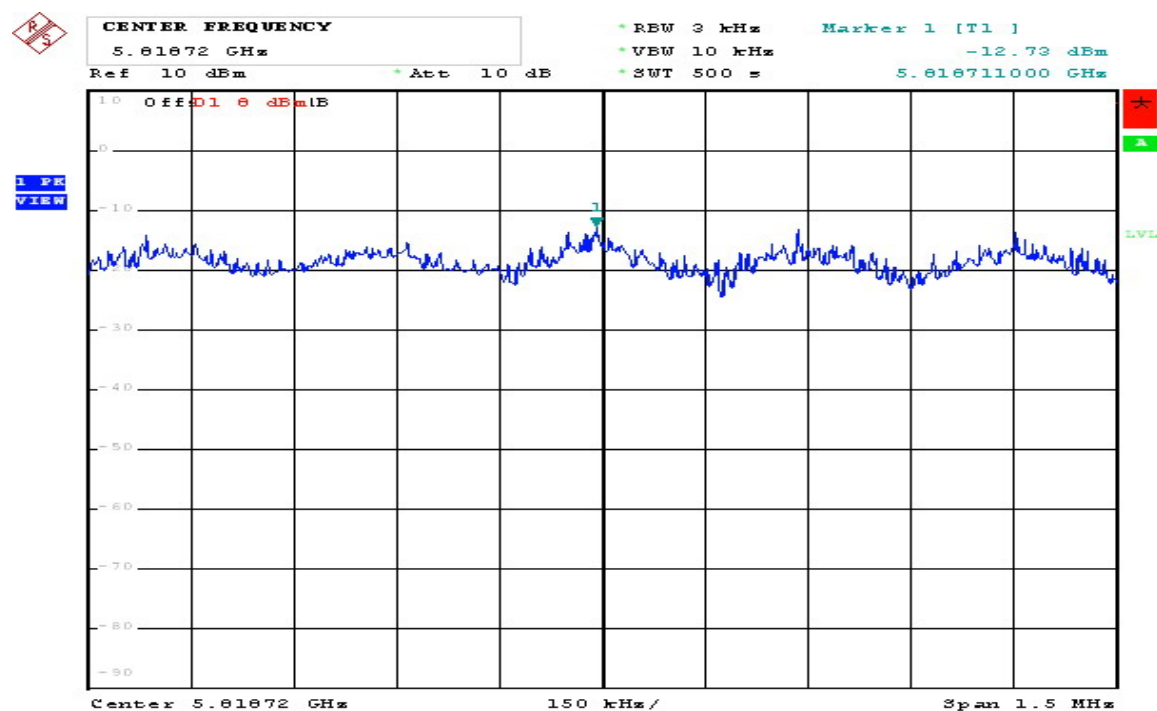
Comment: 802.11a 5745MHz  
Date: 3.SEP.2008 18:20:33

## 802.11a CH157 5785MHz Chain C



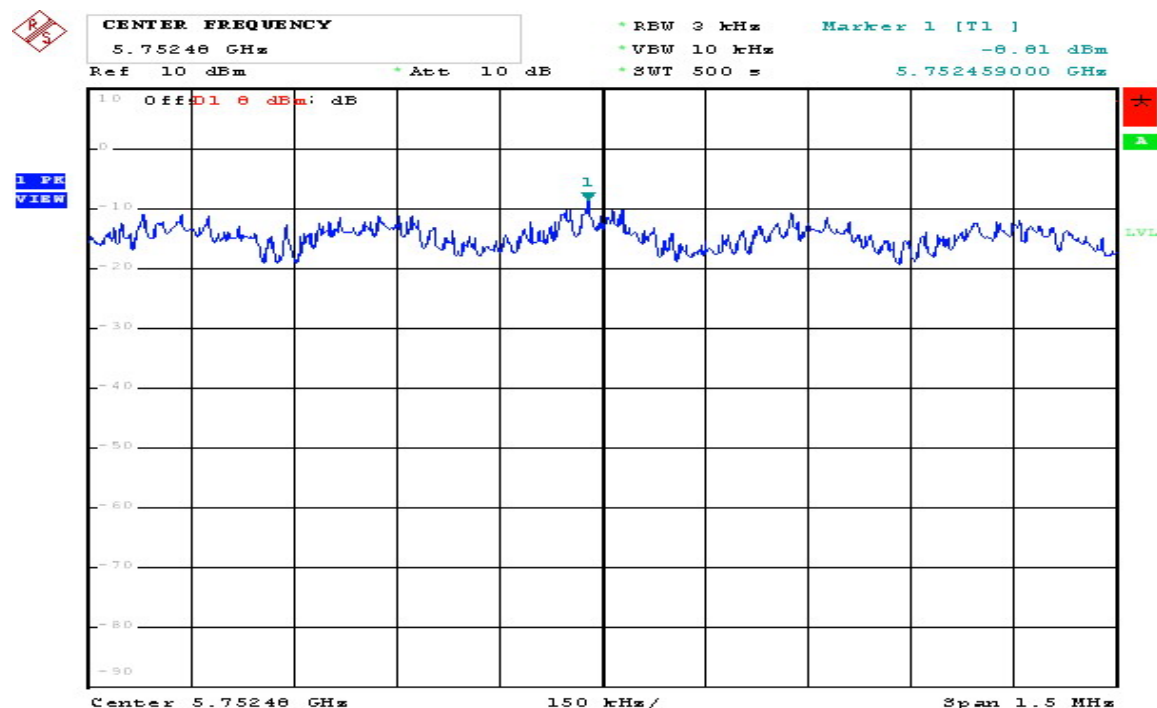
Comment: 802.11a 5785MHz  
Date: 3.SEP.2008 18:21:46

## 802.11a CH165 5825MHz Chain C



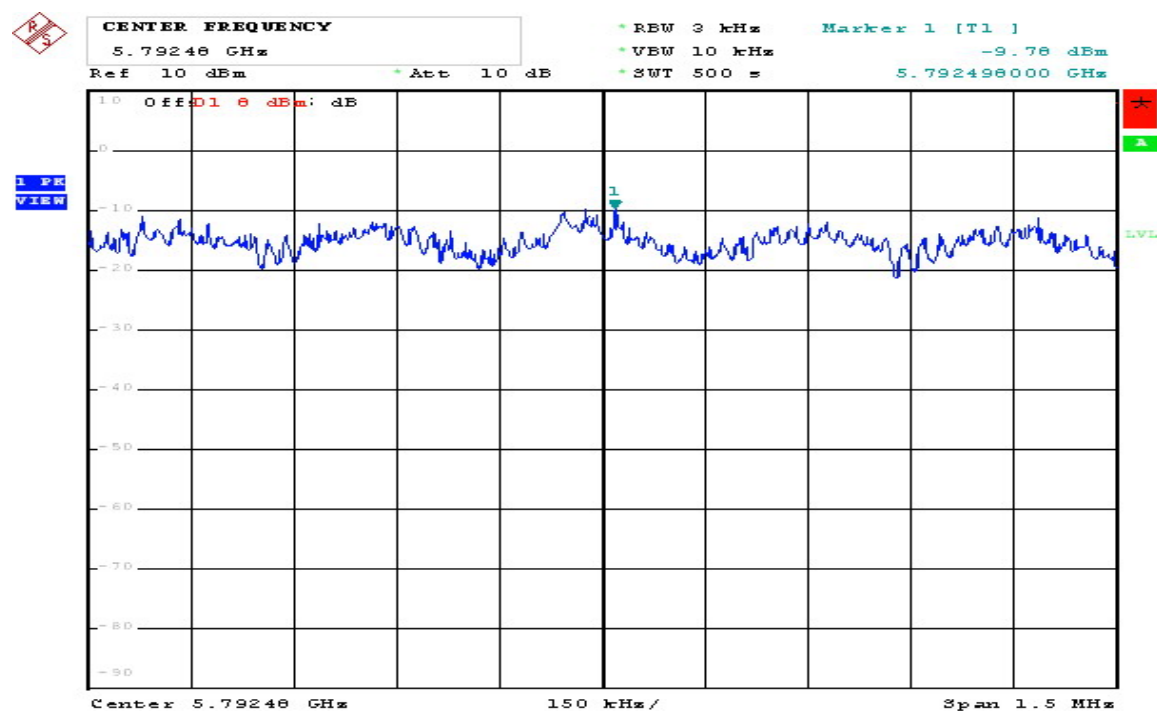
Comment: 802.11a 5825MHz  
Date: 3.SEP.2008 18:23:00

## 802.11n (HT20) CH149 5745MHz Chain A



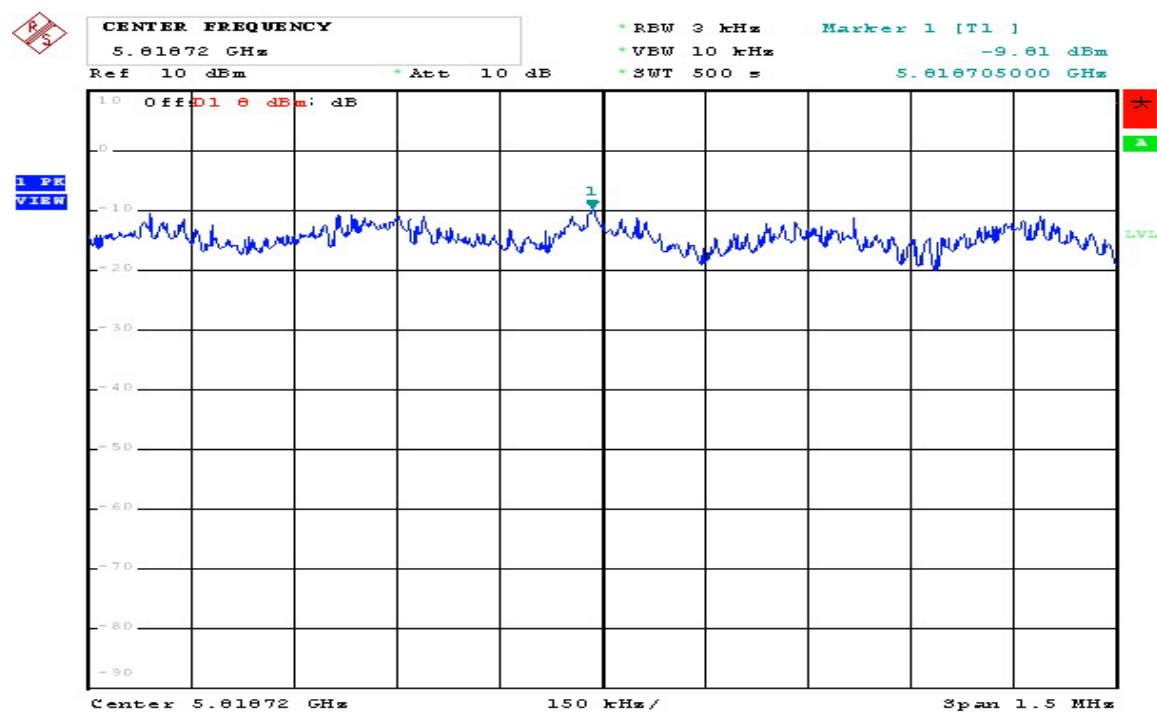
Comment: 802.11n(20) 5745MHz  
Date: 3.SEP.2008 18:25:18

## 802.11n (HT20) CH157 5785MHz Chain A



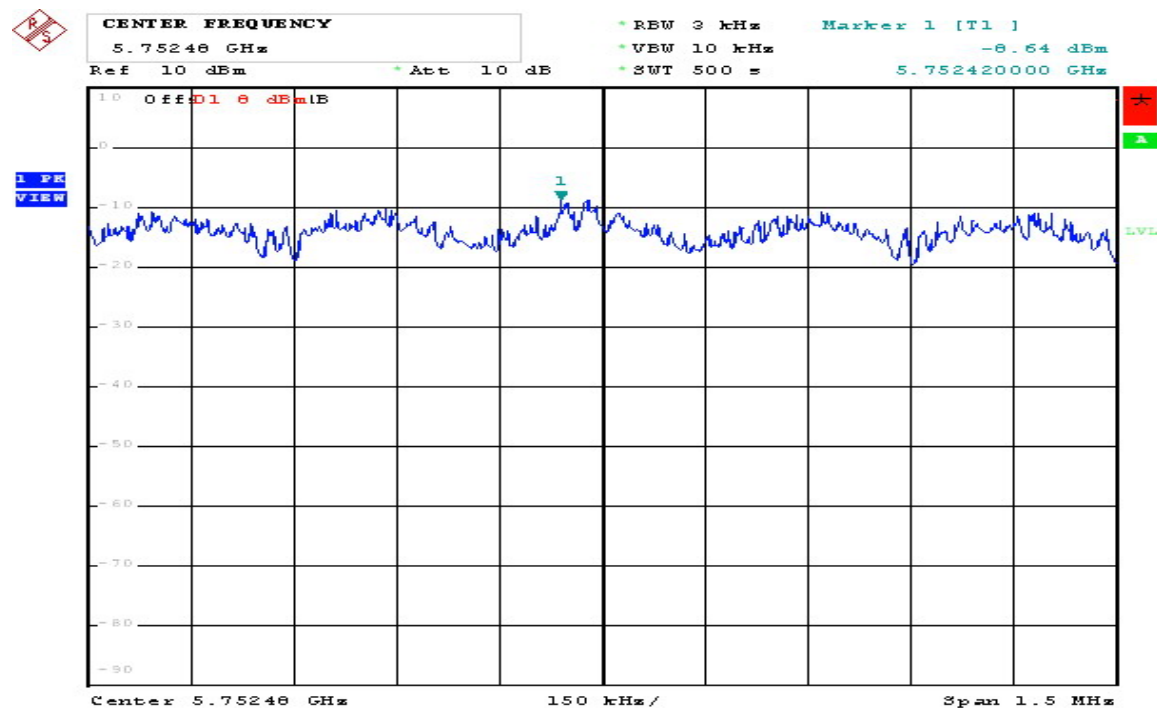
Comment: 802.11n(20) 5785MHz  
Date: 3.SEP.2008 18:26:23

## 802.11n (HT20) CH165 5825MHz Chain A



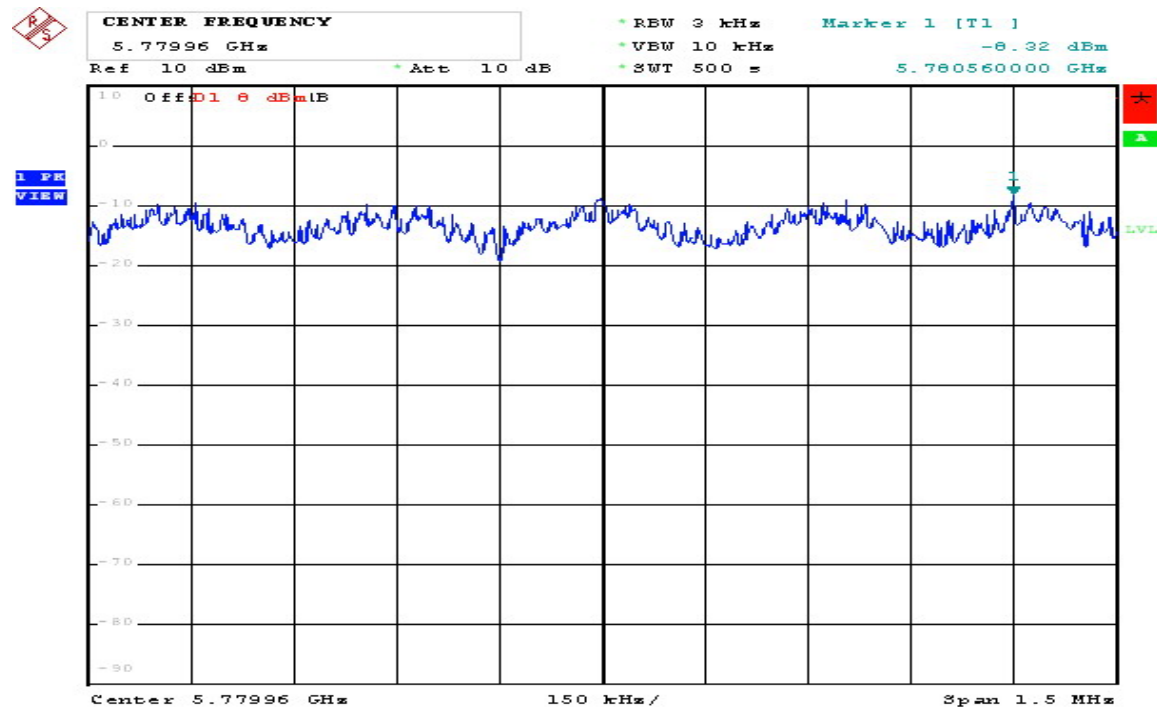
Comment: 802.11n(20) 5825MHz  
Date: 3.SEP.2008 18:28:04

## 802.11n (HT20) CH149 5745MHz Chain B



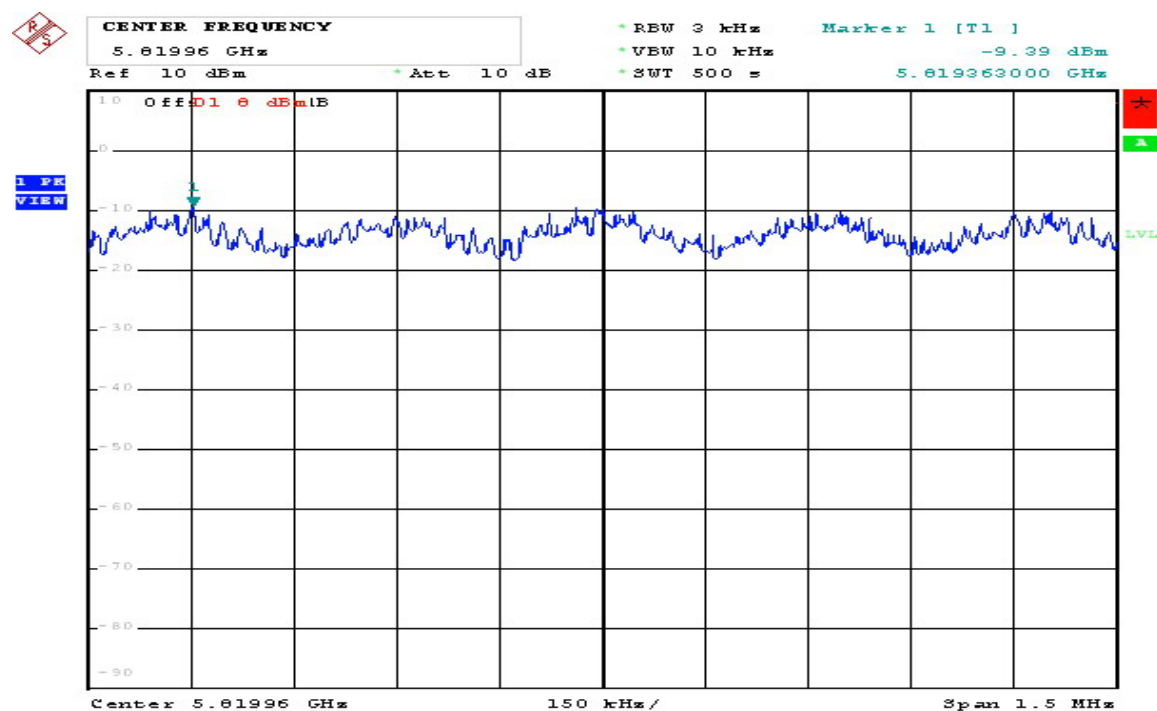
Comment: 802.11n(20) 5745MHz  
Date: 3.SEP.2008 18:39:36

## 802.11n (HT20) CH157 5785MHz Chain B



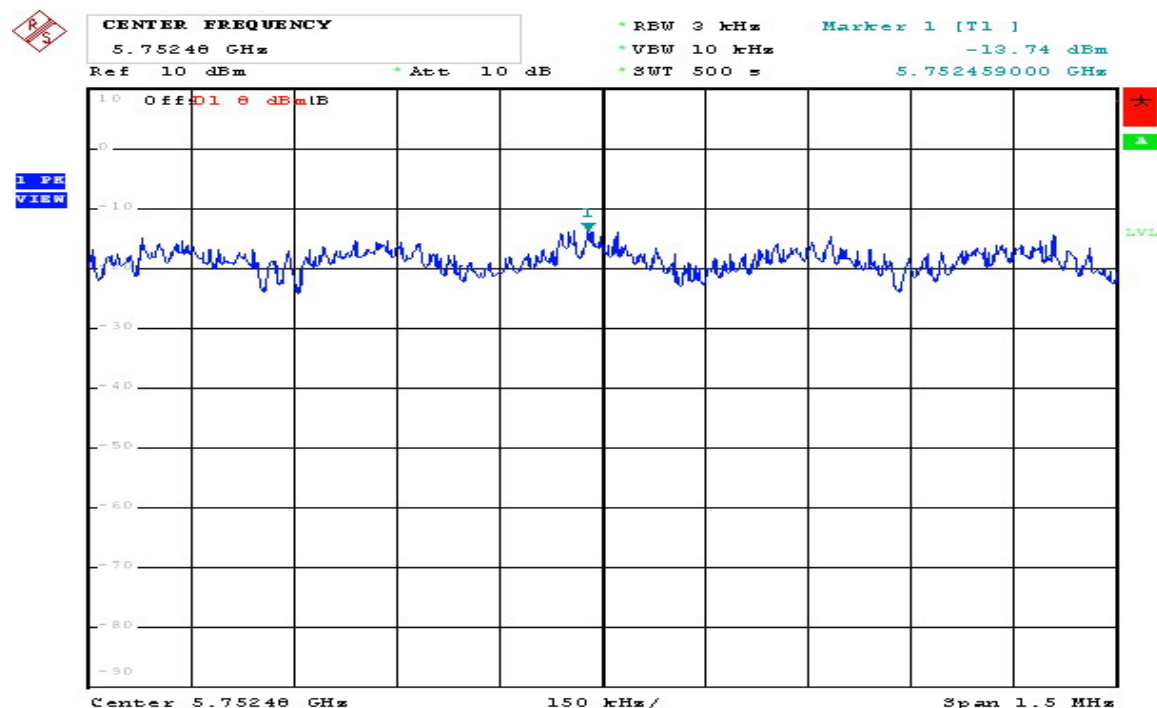
Comment: 802.11n(20) 5785MHz  
Date: 3.SEP.2008 18:40:46

## 802.11n (HT20) CH165 5825MHz Chain B



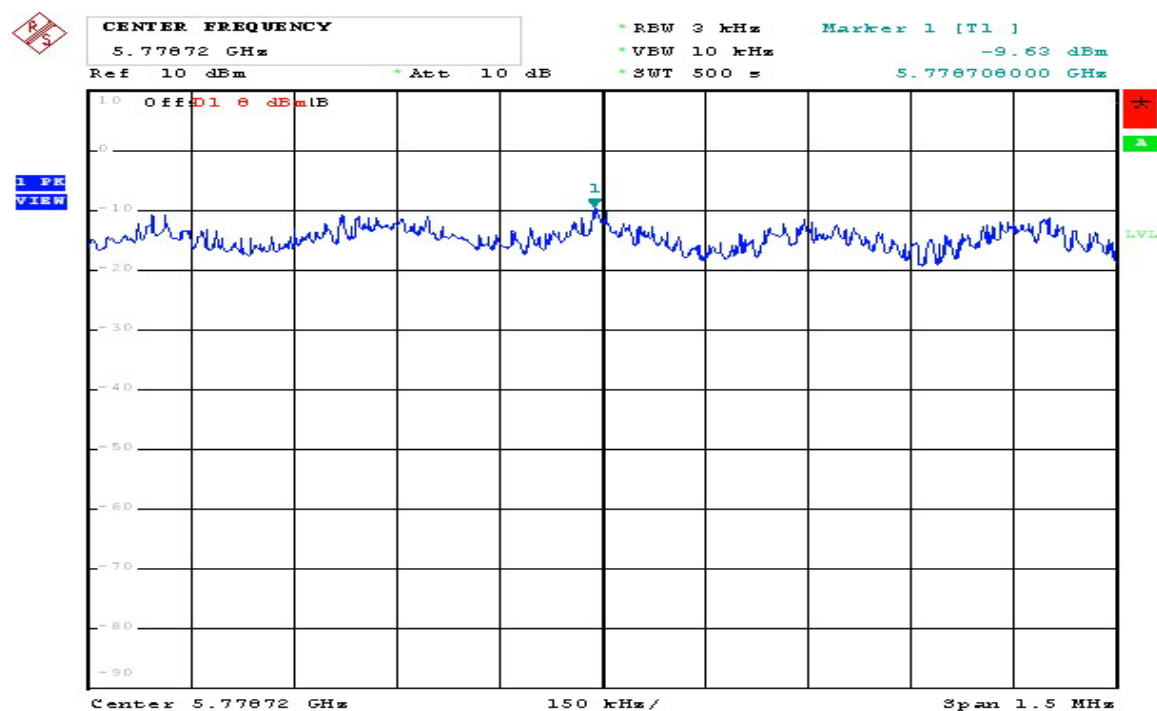
Comment: 802.11n(20) 5825MHz  
Date: 3.SEP.2008 18:42:24

## 802.11n (HT20) CH149 5745MHz Chain C



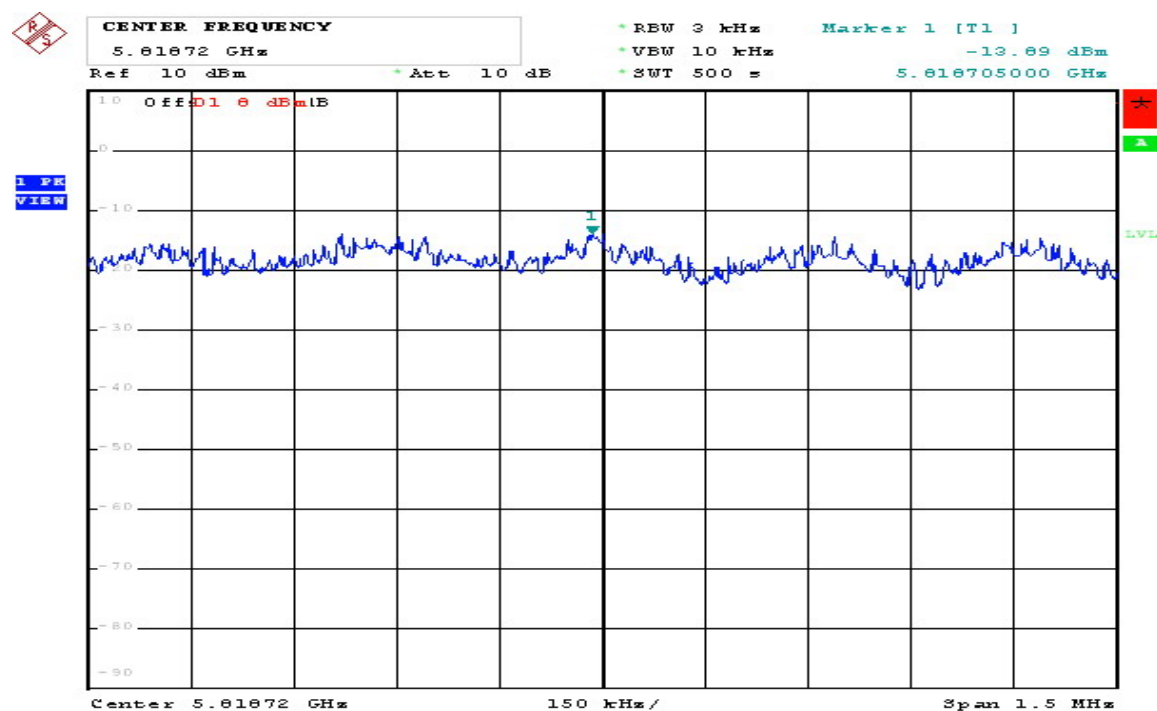
Comment: 802.11n(20) 5745MHz  
Date: 3.SEP.2008 18:43:55

## 802.11n (HT20) CH157 5785MHz Chain C



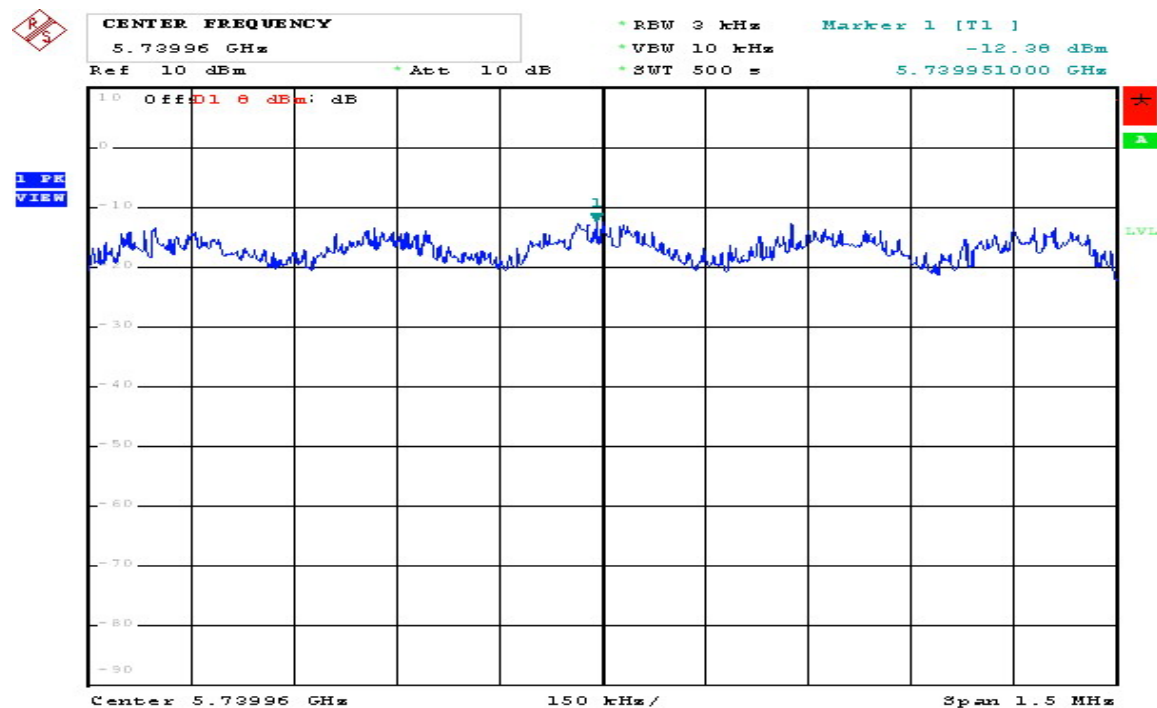
Comment: 802.11n(20) 5785MHz  
Date: 3.SEP.2008 18:44:59

## 802.11n (HT20) CH165 5825MHz Chain C



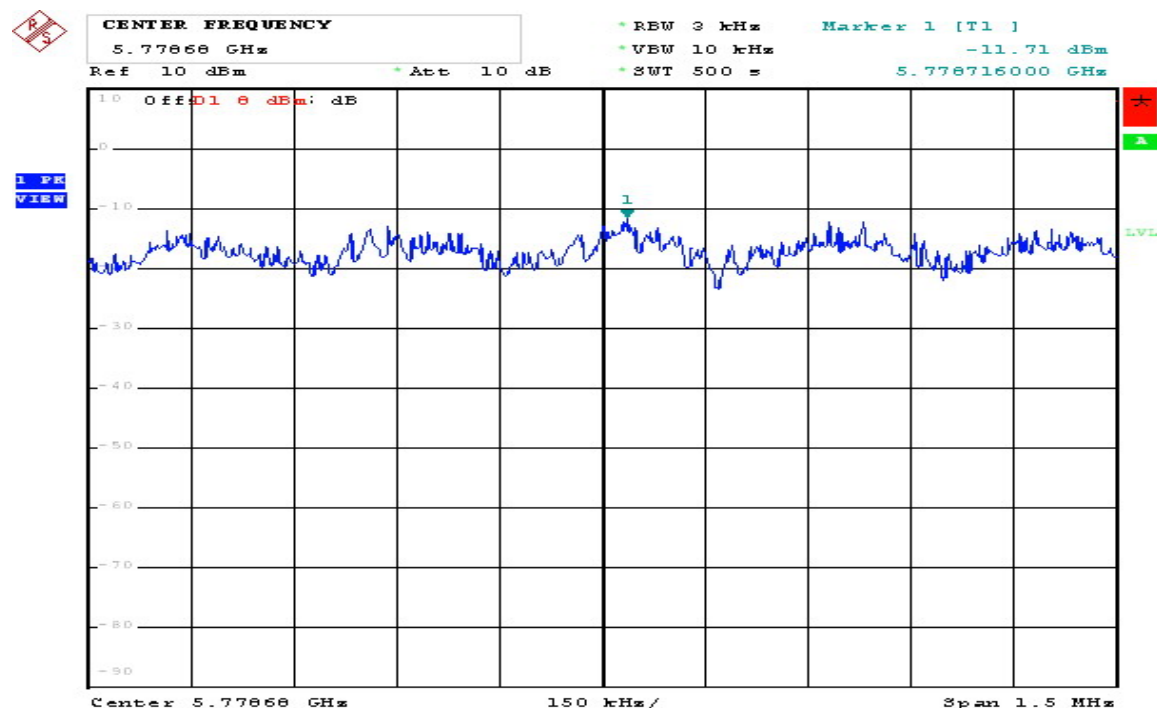
Comment: 802.11n(20) 5825MHz  
Date: 3.SEP.2008 18:46:05

## 802.11n (HT40) CH151 5755MHz Chain A



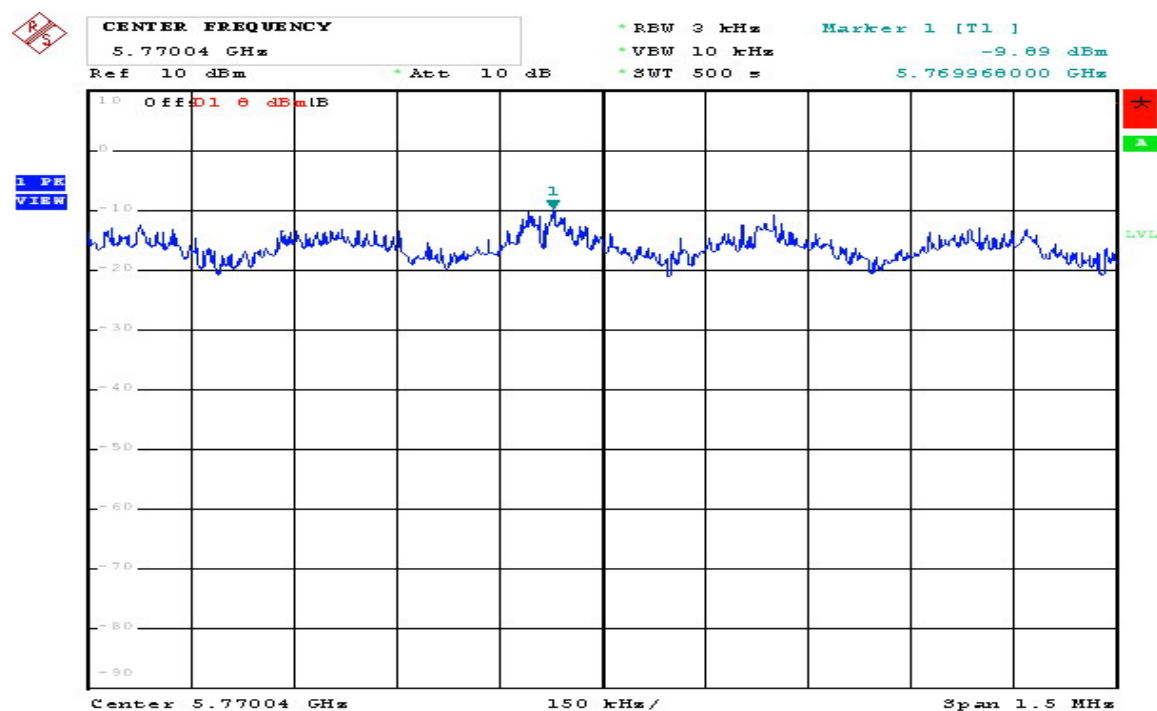
Comment: 802.11n(40) 5755MHz  
Date: 3.SEP.2008 18:48:10

## 802.11n (HT40) CH159 5795MHz Chain A



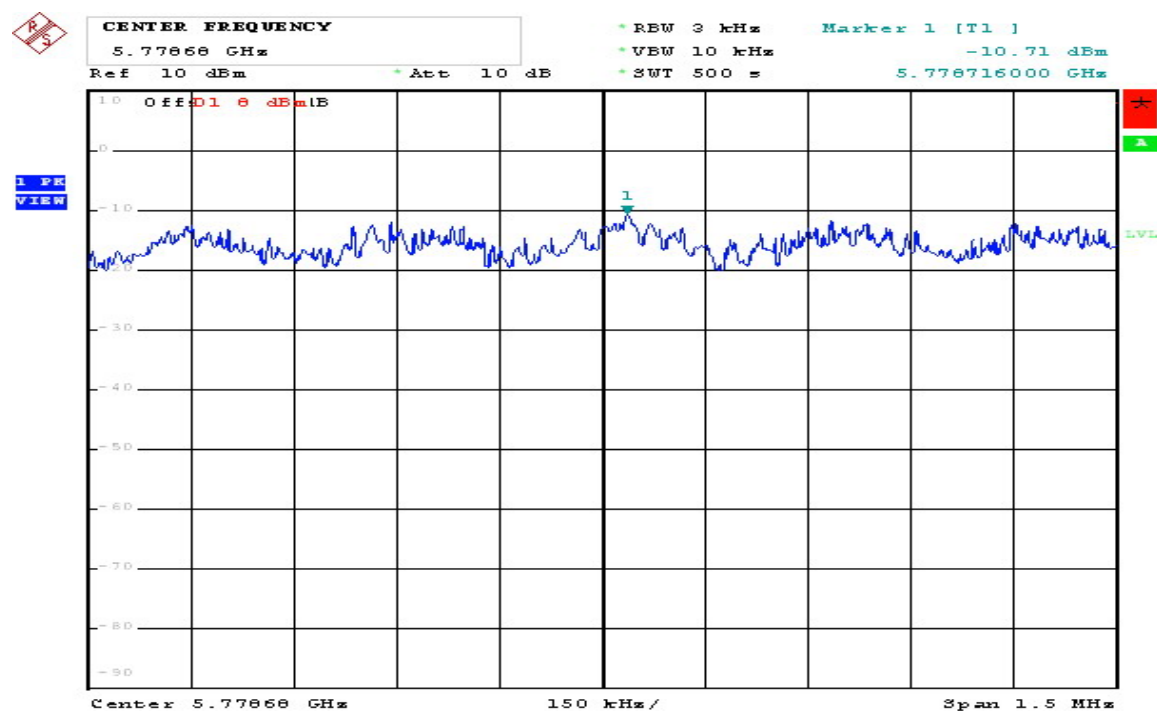
Comment: 802.11n(40) 5795MHz  
Date: 3.SEP.2008 18:49:18

## 802.11n (HT40) CH151 5755MHz Chain B



Comment: 802.11n(40) 5755MHz  
Date: 3.SEP.2008 18:50:39

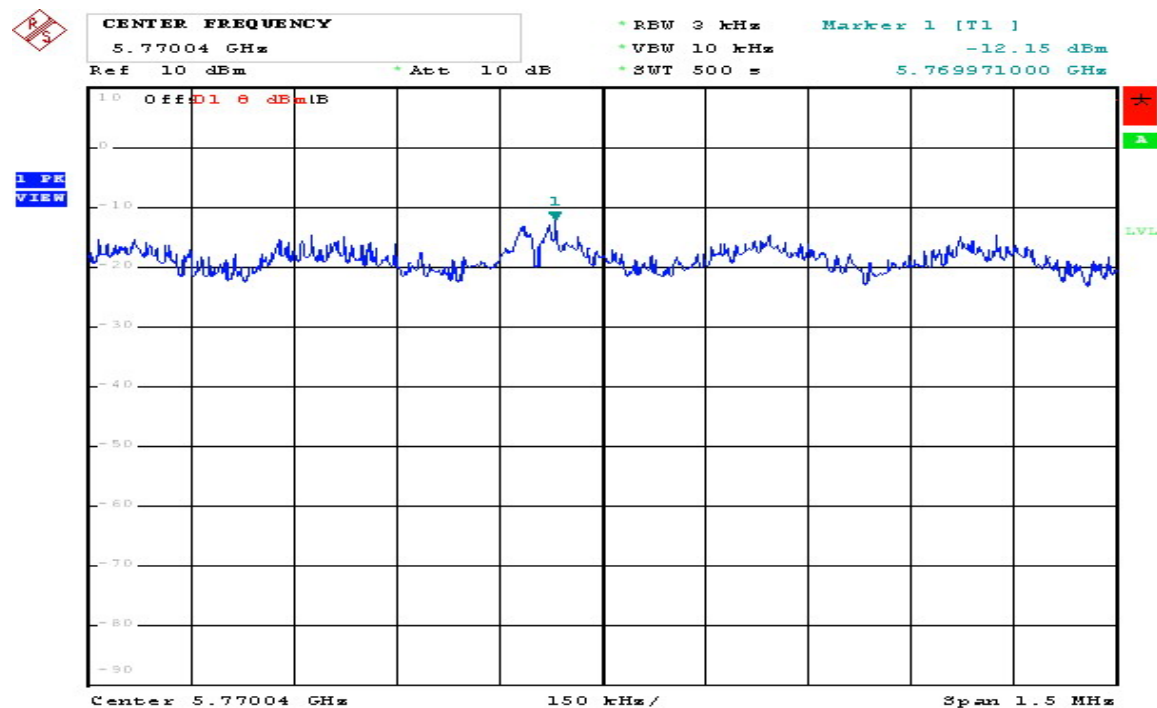
## 802.11n (HT40) CH159 5795MHz Chain B



Comment: 802.11n(40) 5795MHz  
Date: 3.SEP.2008 18:51:46

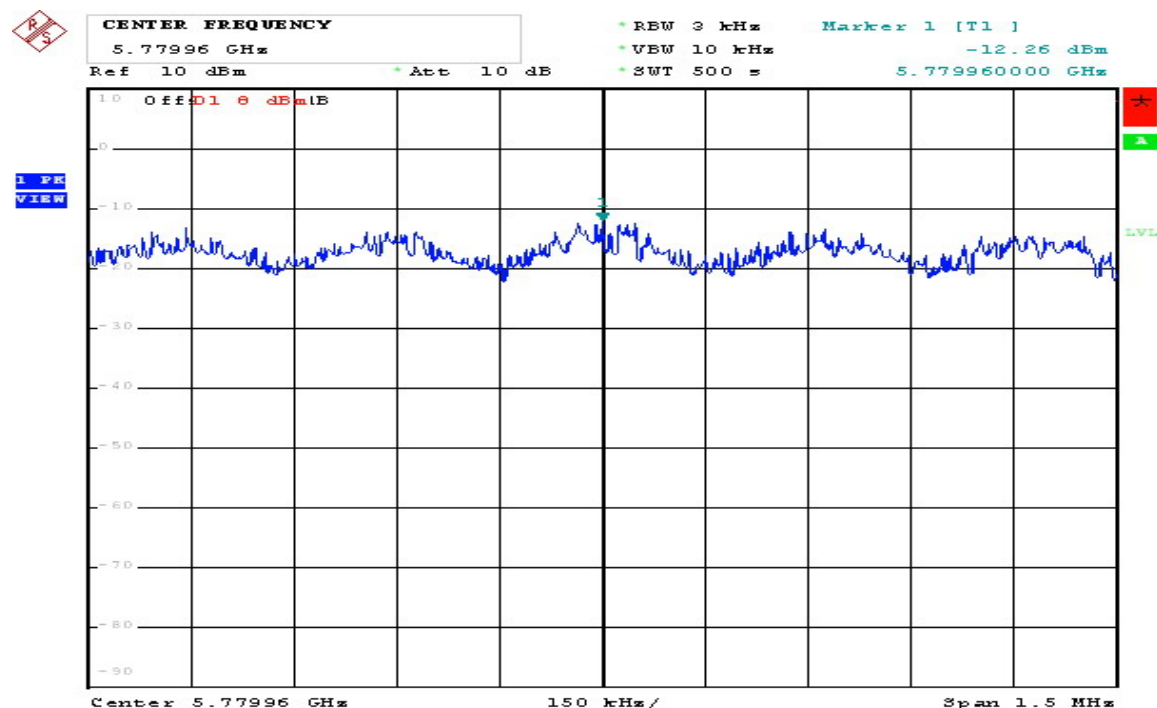


## 802.11n (HT40) CH151 5755MHz Chain C



Comment: 802.11n(40) 5755MHz  
Date: 3.SEP.2008 18:52:58

## 802.11n (HT40) CH159 5795MHz Chain C

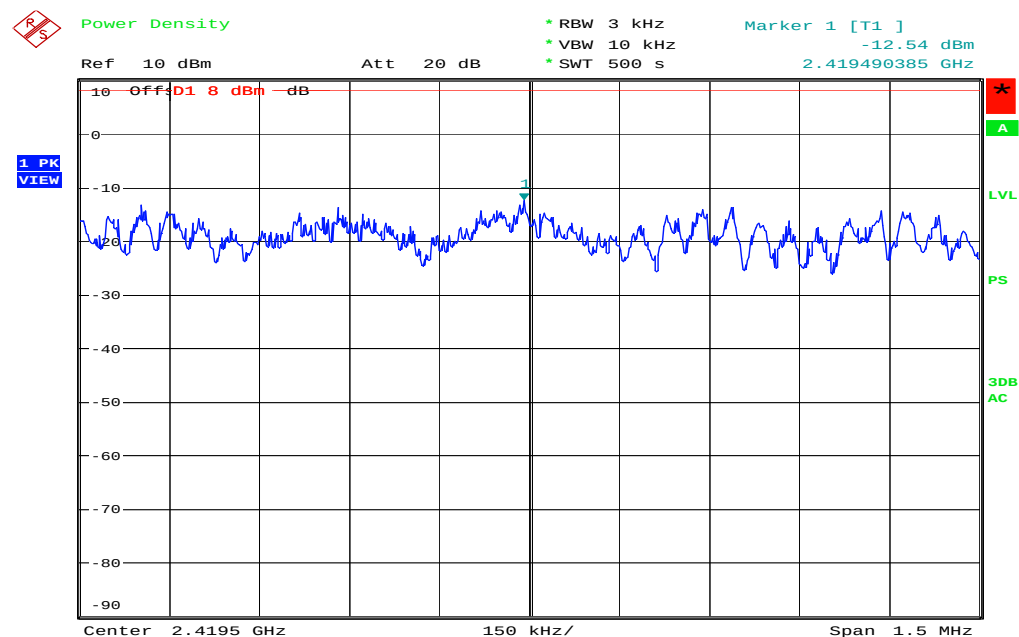


Comment: 802.11n(40) 5795MHz  
Date: 3.SEP.2008 18:54:07

## Dual Tx

### 2.4GHz

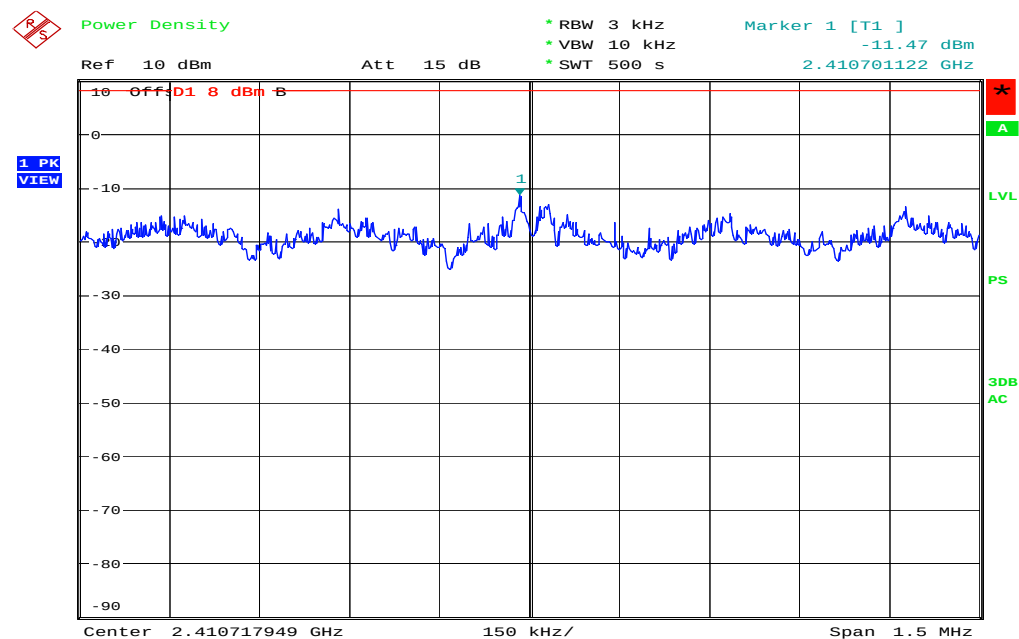
#### 802.11n (HT20) CH1 2412MHz Chain A+B (A)



802.11n(20) 2412MHz

Date: 17.SEP.2008 15:36:49

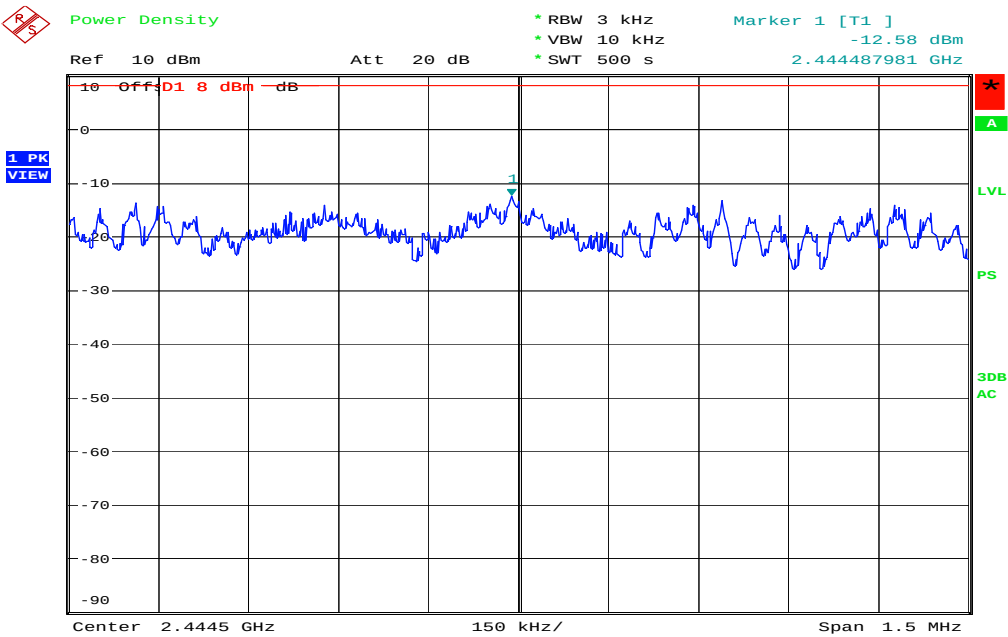
#### 802.11n (HT20) CH1 2412MHz Chain A+B (B)



802.11n(20) 2412MHz

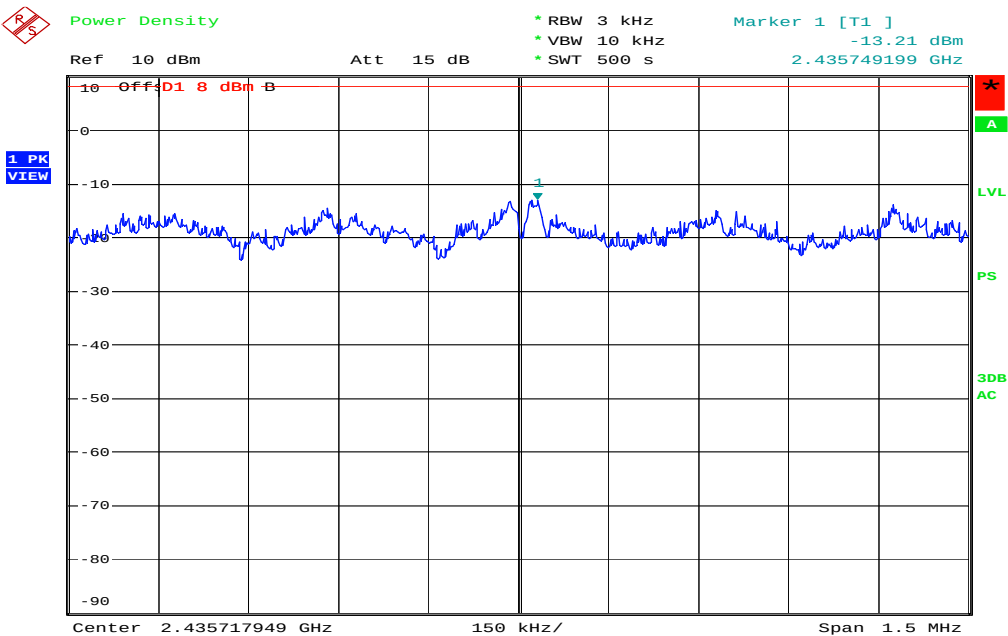
Date: 17.SEP.2008 15:38:53

802.11n (HT20) CH6 2437MHz Chain A+B (A)



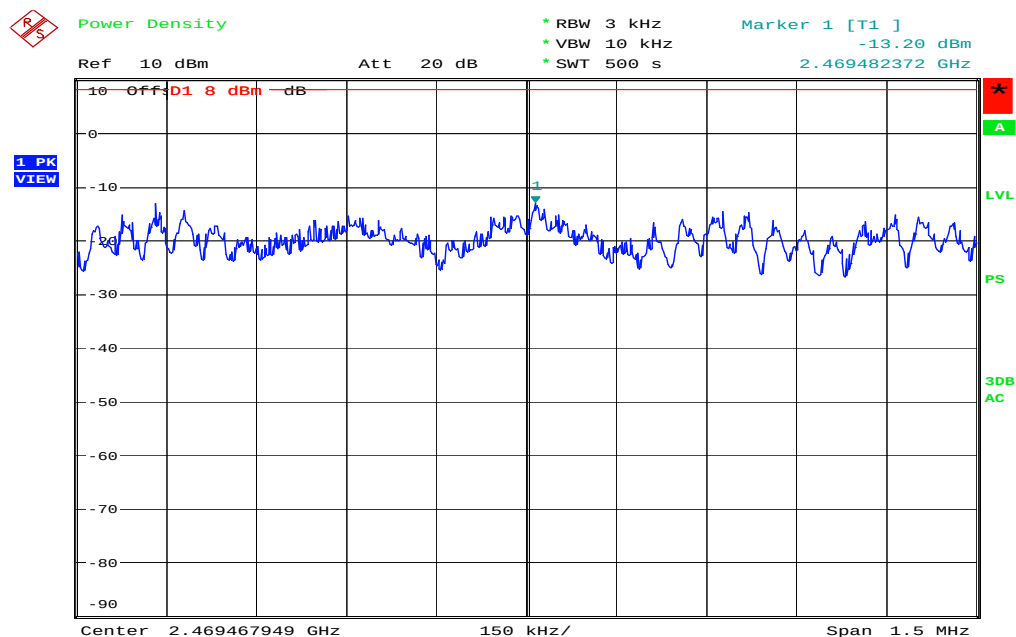
802.11n(20) 2437MHz  
Date: 17.SEP.2008 16:05:19

802.11n (HT20) CH6 2437MHz Chain A+B (B)



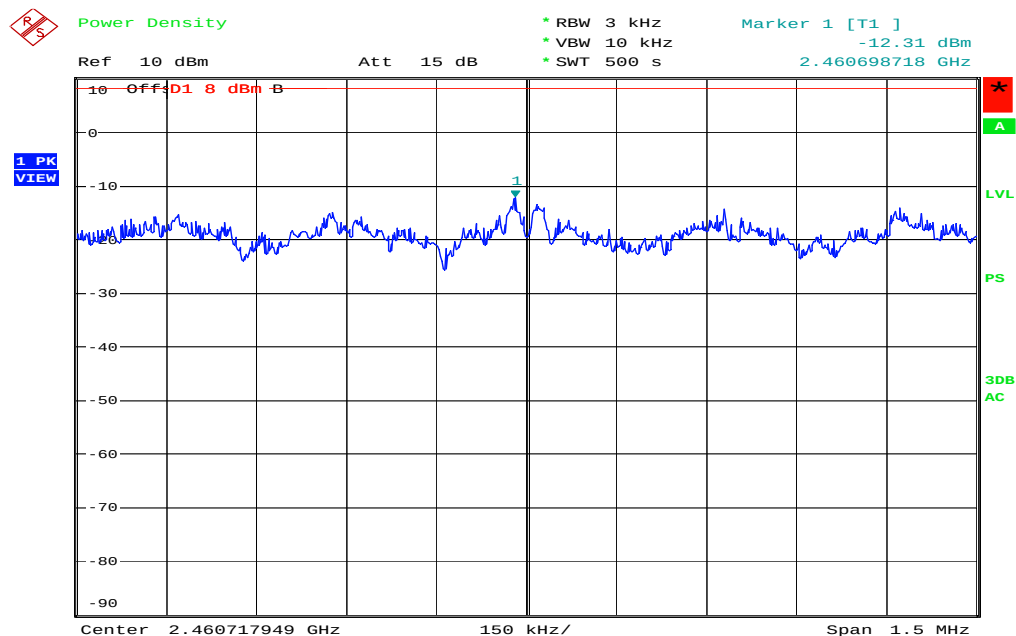
802.11n(20) 2437MHz  
Date: 17.SEP.2008 15:40:56

## 802.11n (HT20) CH11 2462MHz Chain A+B (A)



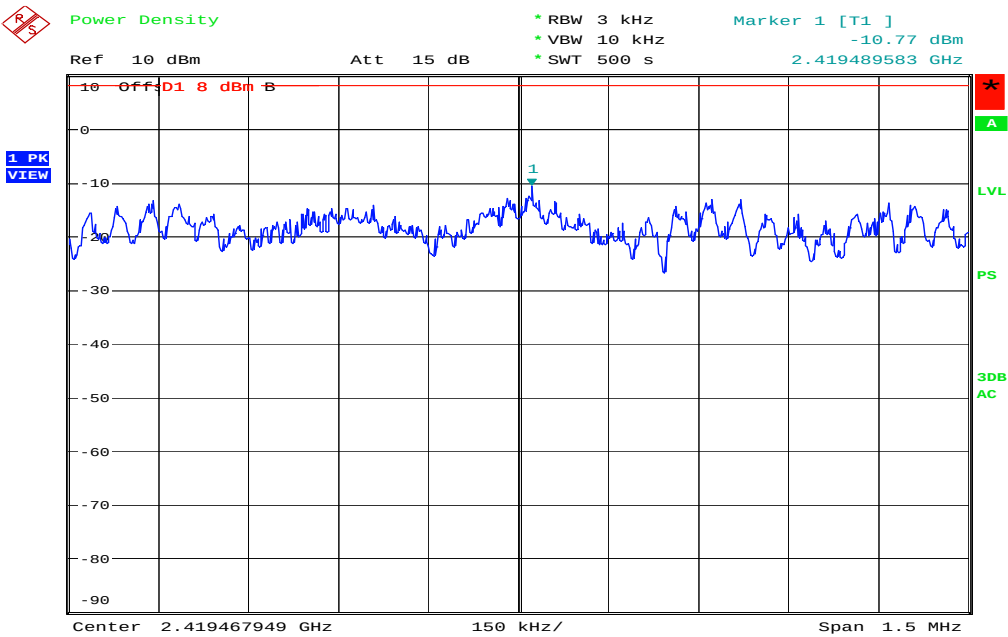
802.11n(20) 2462MHz  
Date: 17.SEP.2008 15:43:50

## 802.11n (HT20) CH11 2462MHz Chain A+B (B)



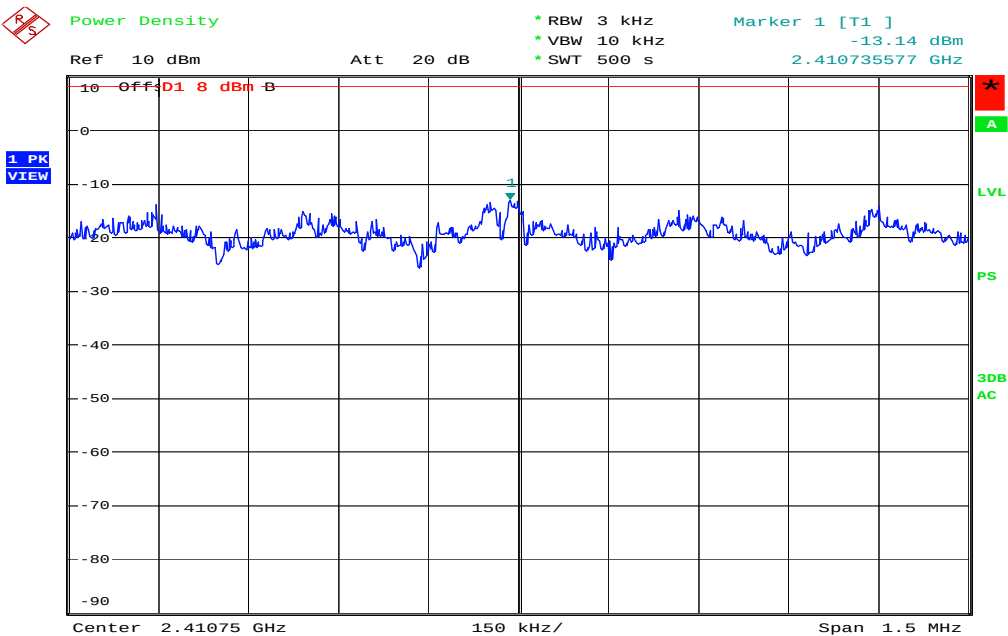
802.11n(20) 2462MHz  
Date: 17.SEP.2008 15:44:54

802.11n (HT20) CH1 2412MHz Chain B+C (B)



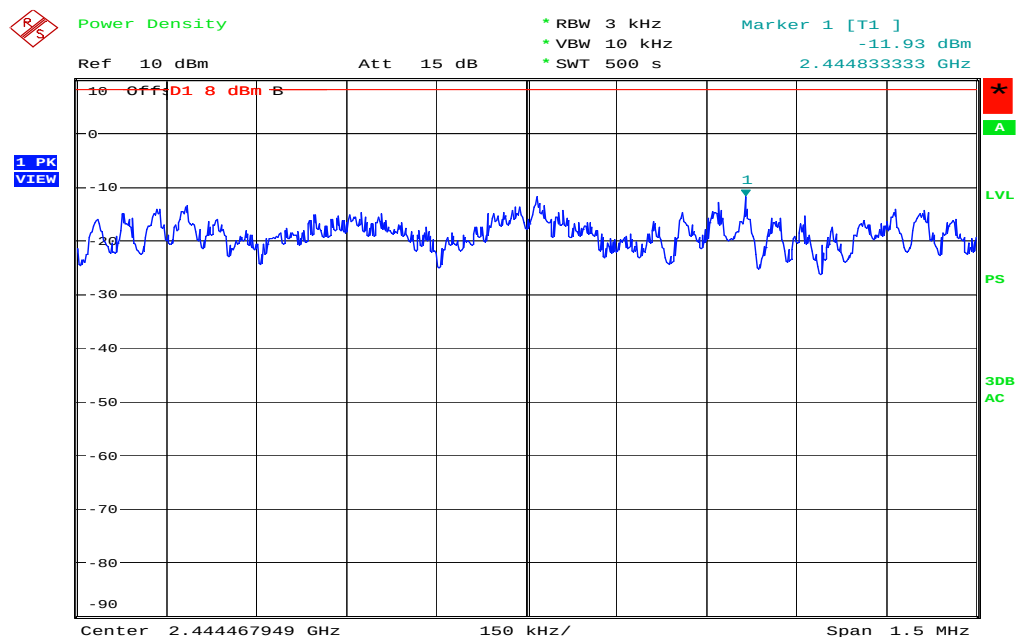
802.11n(20) 2412MHz  
Date: 17.SEP.2008 15:53:27

802.11n (HT20) CH1 2412MHz Chain B+C (C)



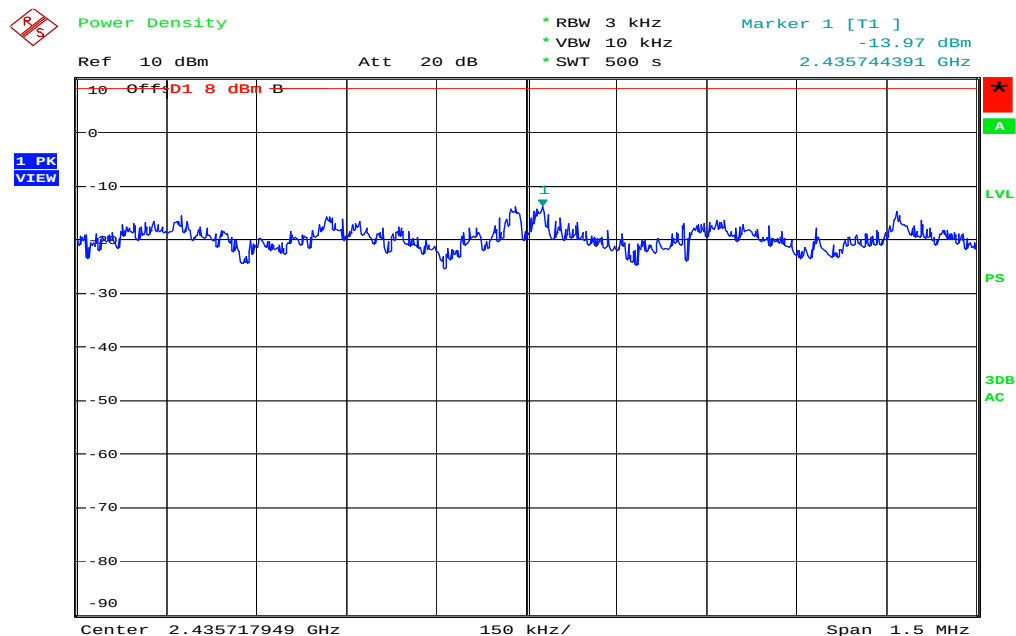
802.11n(20) 2412MHz  
Date: 17.SEP.2008 15:54:29

## 802.11n (HT20) CH6 2437MHz Chain B+C (B)



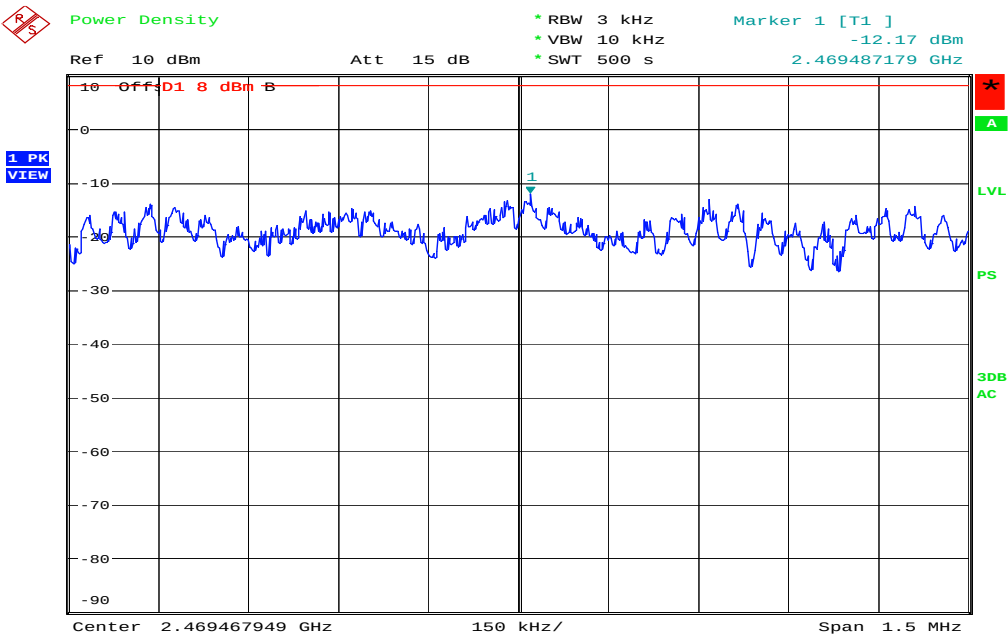
802.11n(20) 2437MHz  
Date: 17.SEP.2008 15:51:43

## 802.11n (HT20) CH6 2437MHz Chain B+C (C)



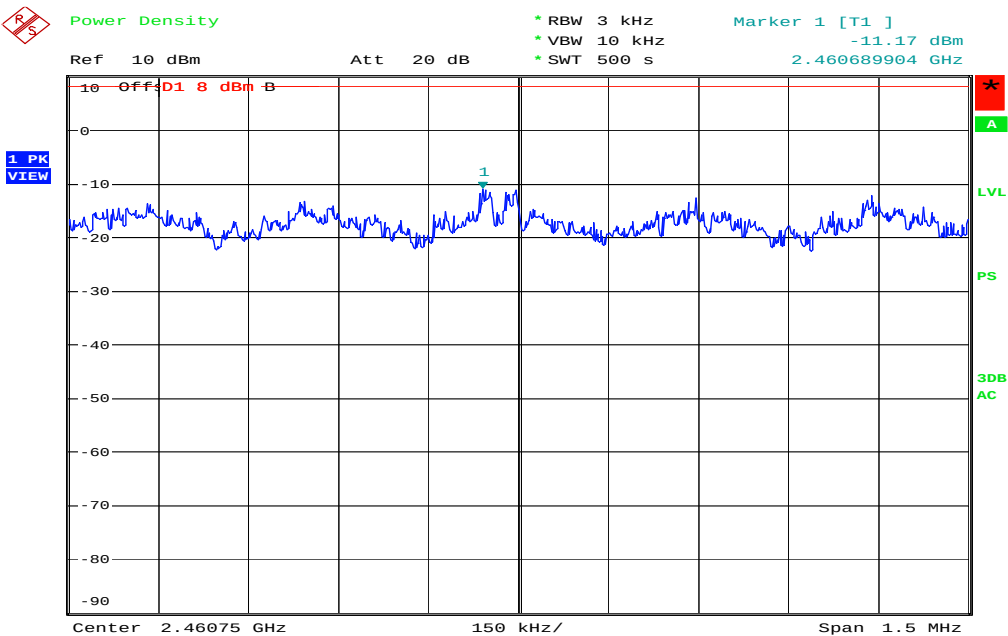
802.11n(20) 2437MHz  
Date: 17.SEP.2008 15:50:39

802.11n (HT20) CH11 2462MHz Chain B+C (B)



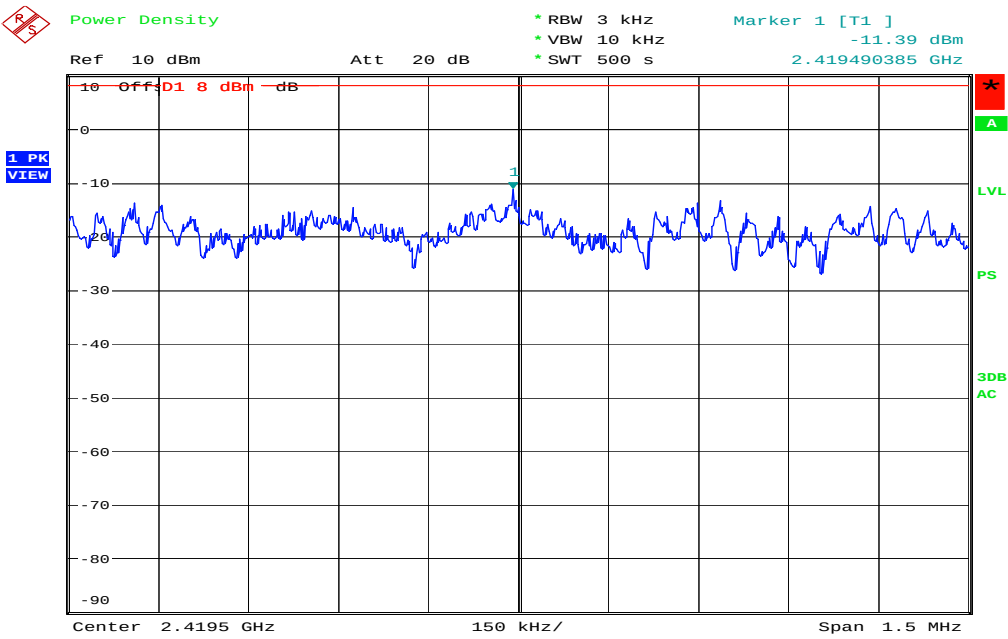
802.11n(20) 2462MHz  
Date: 17.SEP.2008 15:46:33

802.11n (HT20) CH11 2462MHz Chain B+C (C)



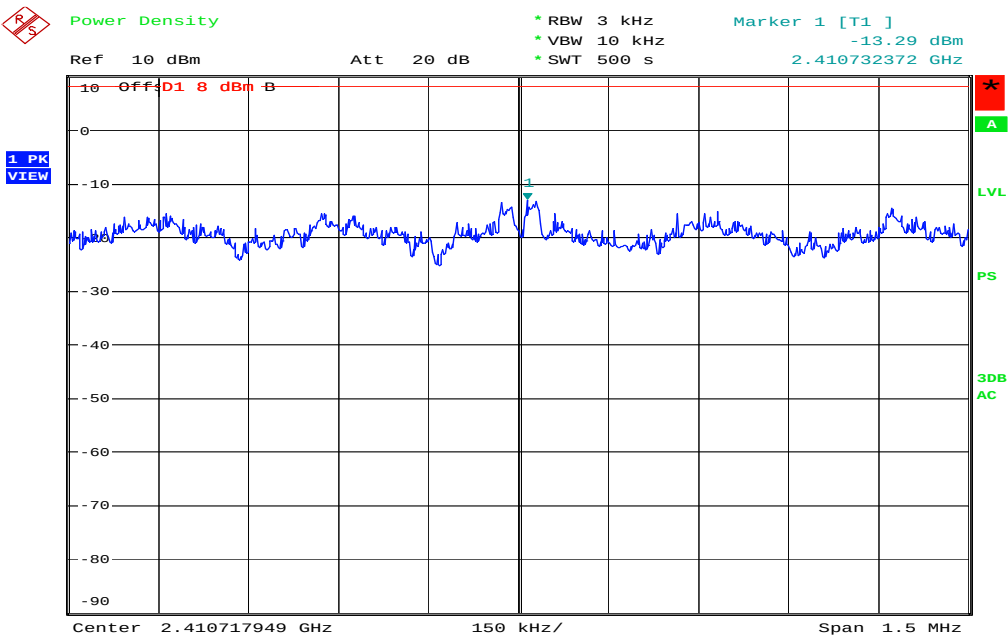
802.11n(20) 2462MHz  
Date: 17.SEP.2008 15:48:18

802.11n (HT20) CH1 2412MHz Chain A+C (A)



802.11n(20) 2412MHz  
Date: 17.SEP.2008 15:57:31

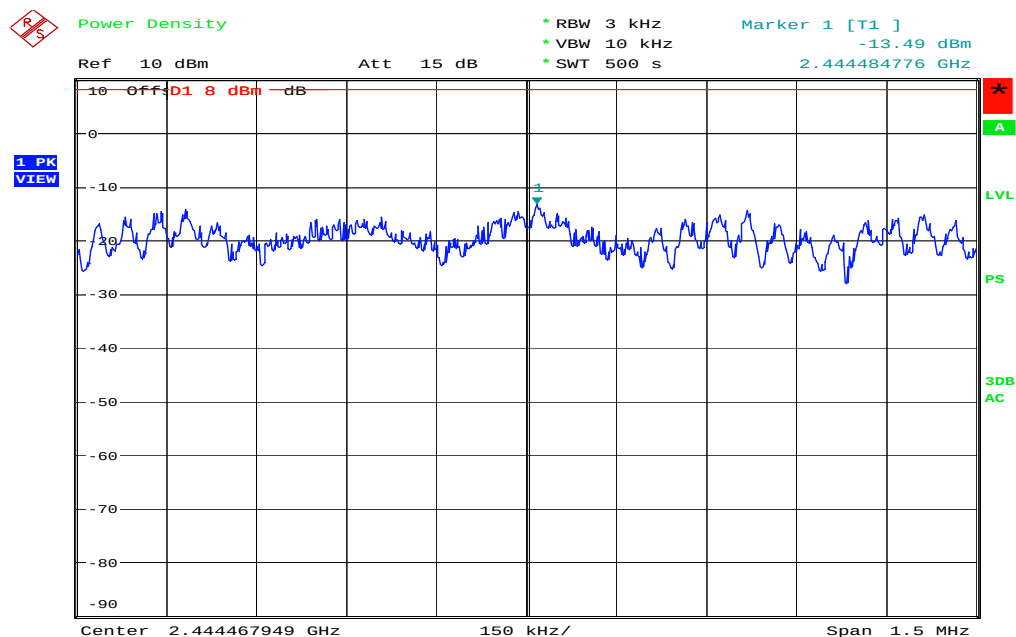
802.11n (HT20) CH1 2412MHz Chain A+C (C)



802.11n(20) 2412MHz  
Date: 17.SEP.2008 15:55:54

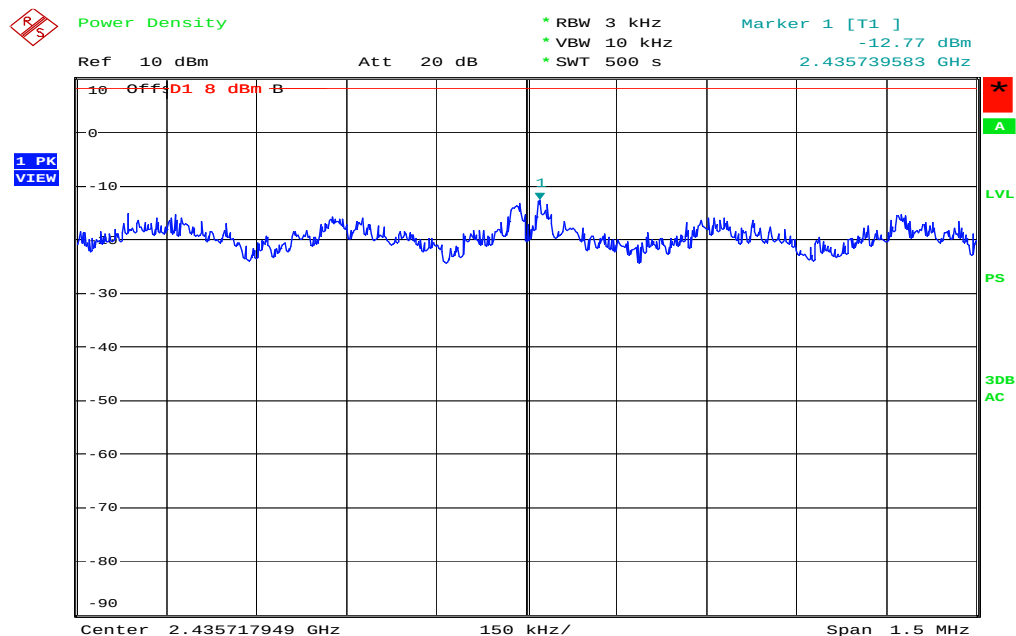


## 802.11n (HT20) CH6 2437MHz Chain A+C (A)



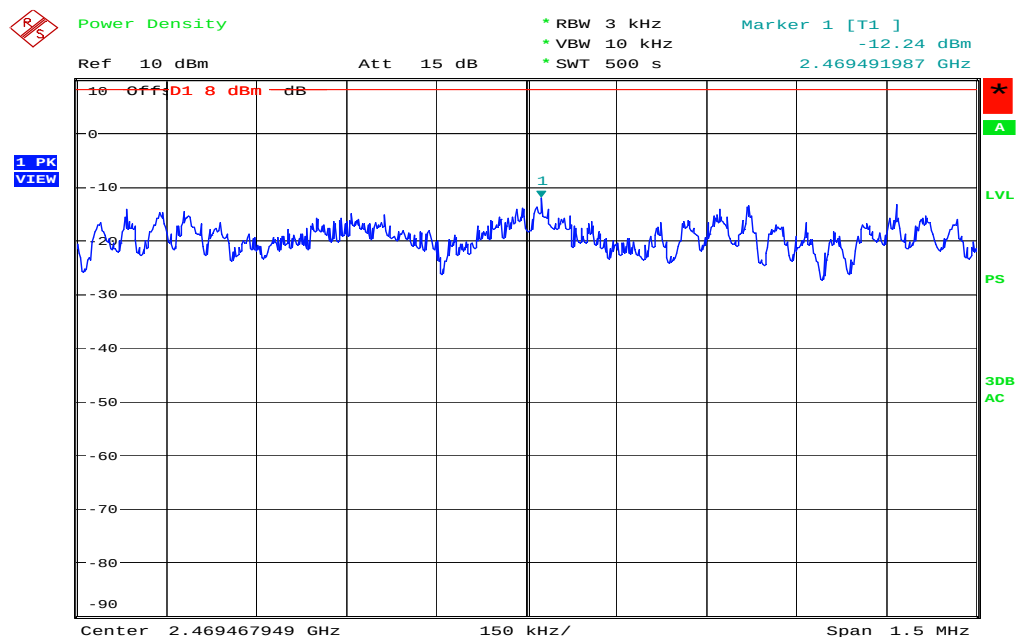
802.11n(20) 2437MHz  
Date: 17.SEP.2008 15:59:10

## 802.11n (HT20) CH6 2437MHz Chain A+C (C)



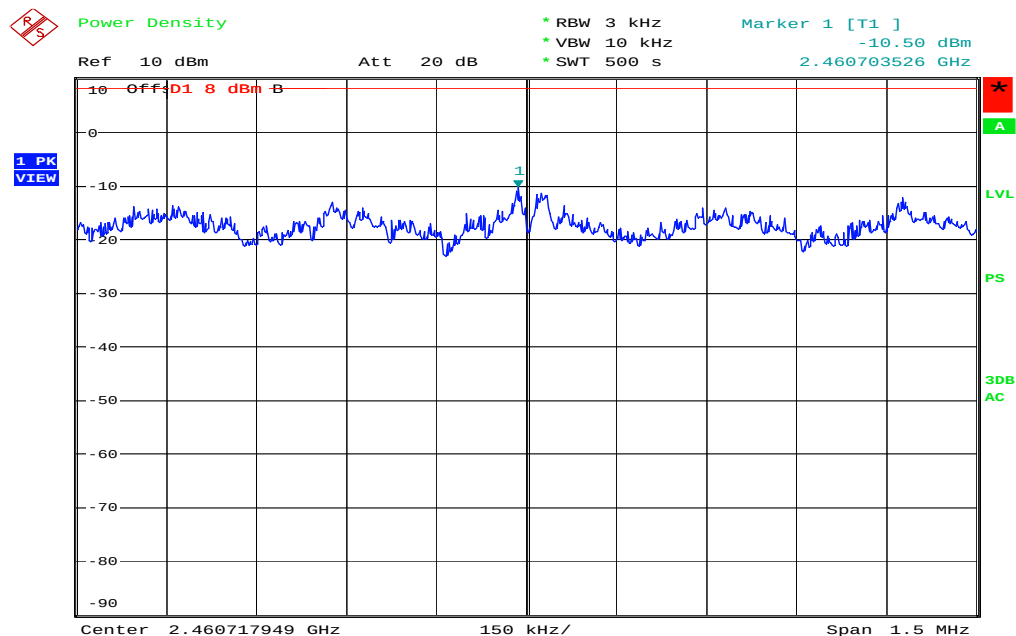
802.11n(20) 2437MHz  
Date: 17.SEP.2008 16:01:14

## 802.11n (HT20) CH11 2462MHz Chain A+C (A)



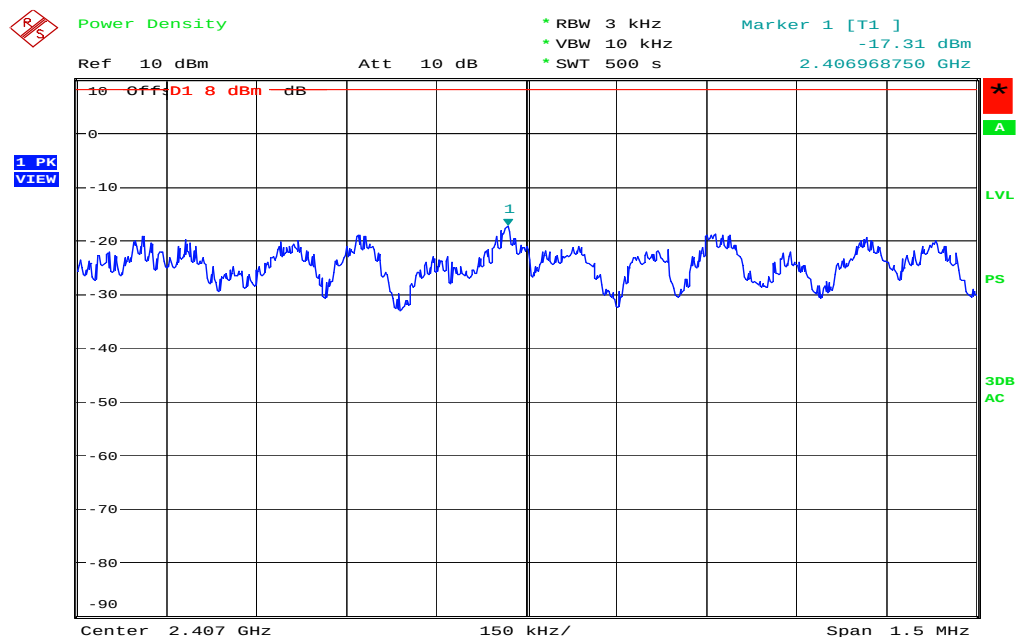
802.11n(20) 2462MHz  
Date: 17.SEP.2008 16:03:46

## 802.11n (HT20) CH11 2462MHz Chain A+C (C)



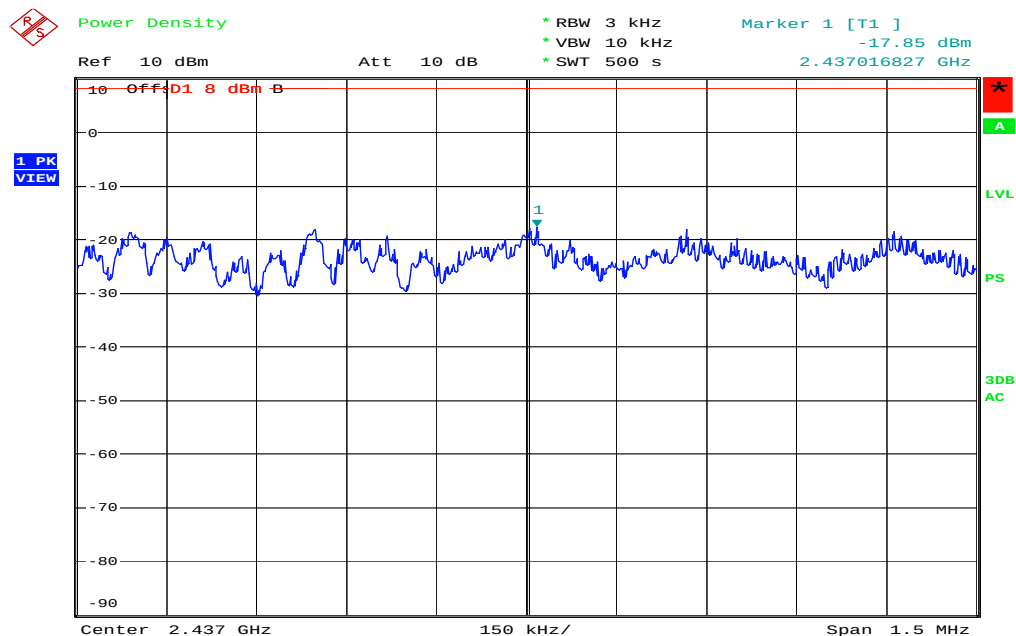
802.11n(20) 2462MHz  
Date: 17.SEP.2008 16:02:43

## 802.11n (HT40) CH3 2422MHz Chain A+B (A)



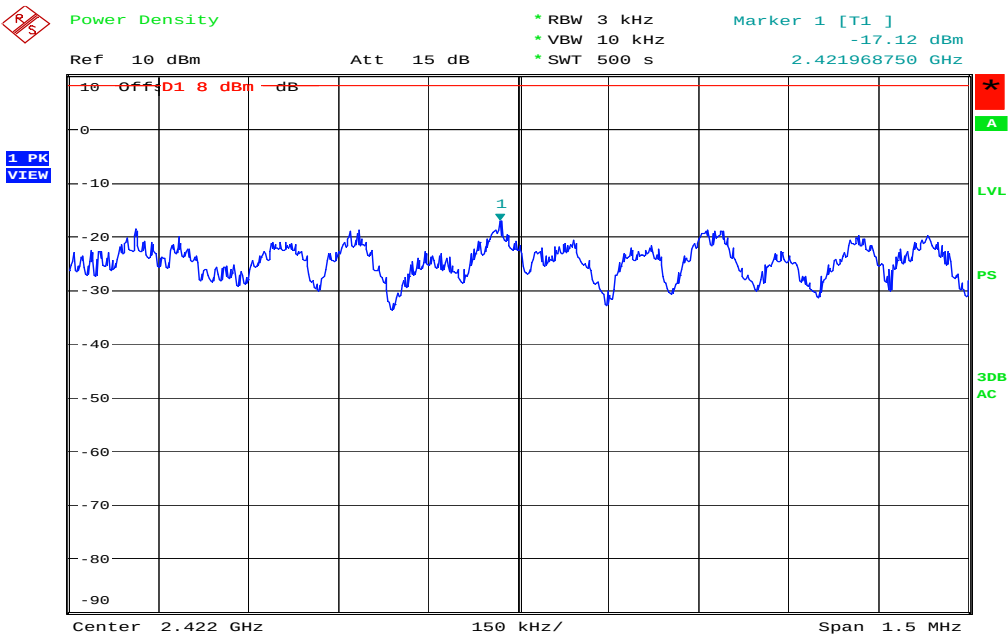
802.11n(40) 2422MHz  
Date: 17.SEP.2008 16:07:32

## 802.11n (HT40) CH3 2422MHz Chain A+B (B)



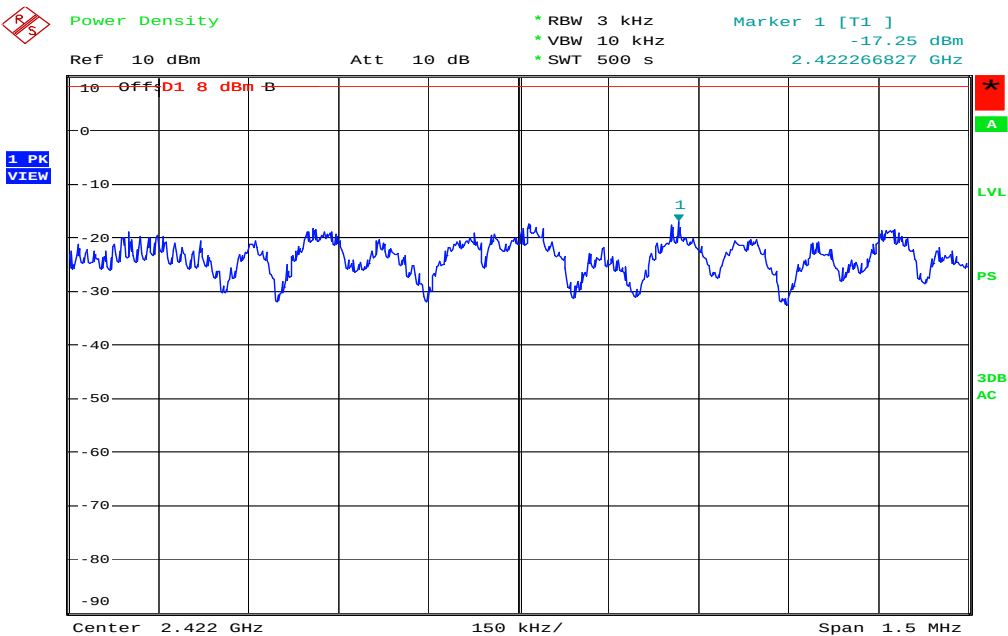
802.11n(40) 2422MHz  
Date: 17.SEP.2008 16:08:39

802.11n (HT40) CH6 2437MHz Chain A+B (A)



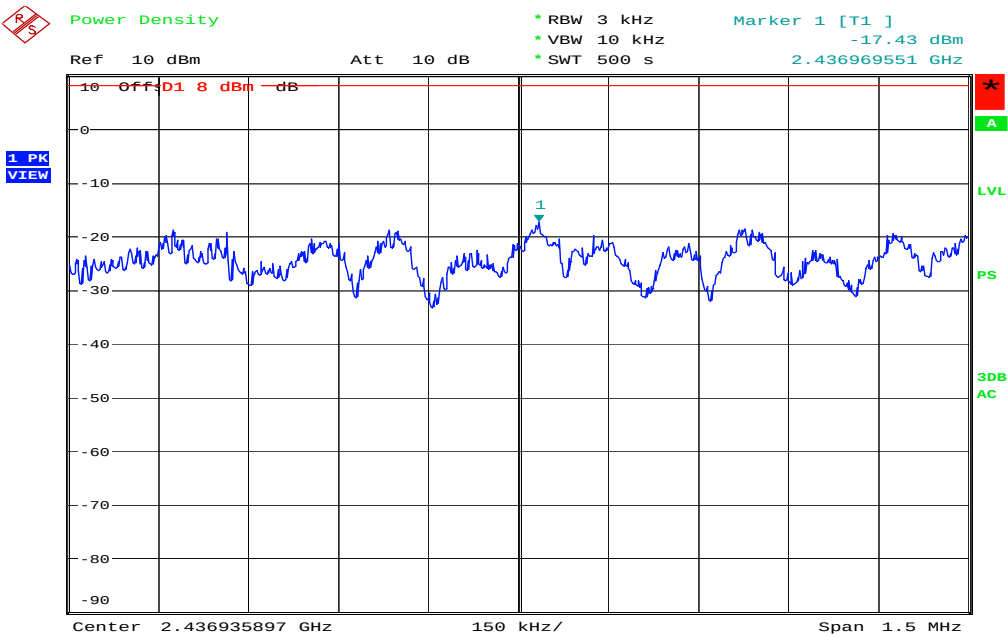
802.11n(40) 2437MHz  
Date: 17.SEP.2008 16:11:10

802.11n (HT40) CH6 2437MHz Chain A+B (B)



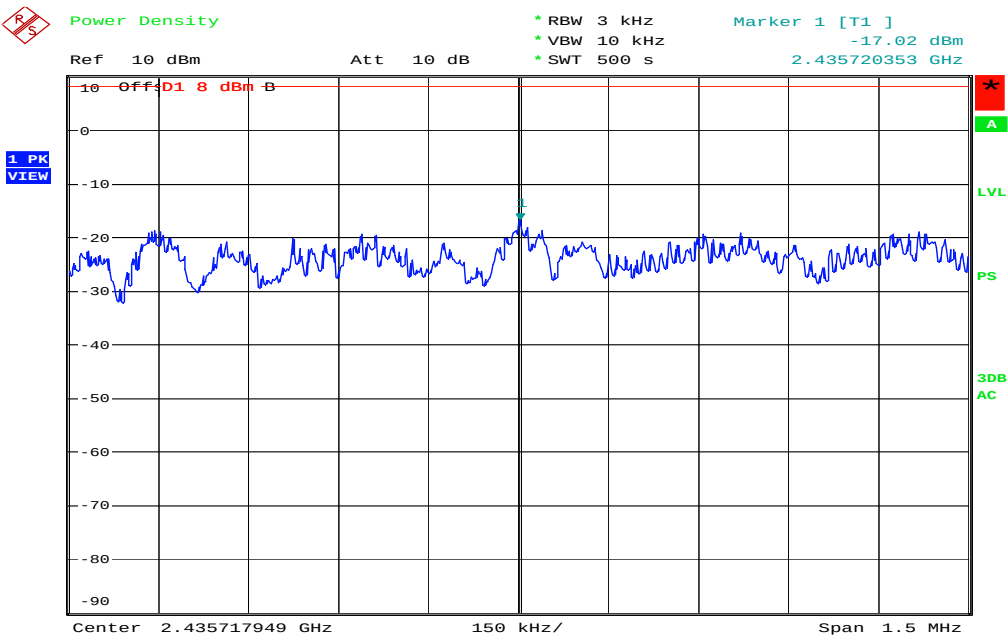
802.11n(40) 2437MHz  
Date: 17.SEP.2008 16:10:04

802.11n (HT40) CH9 2452MHz Chain A+B (A)



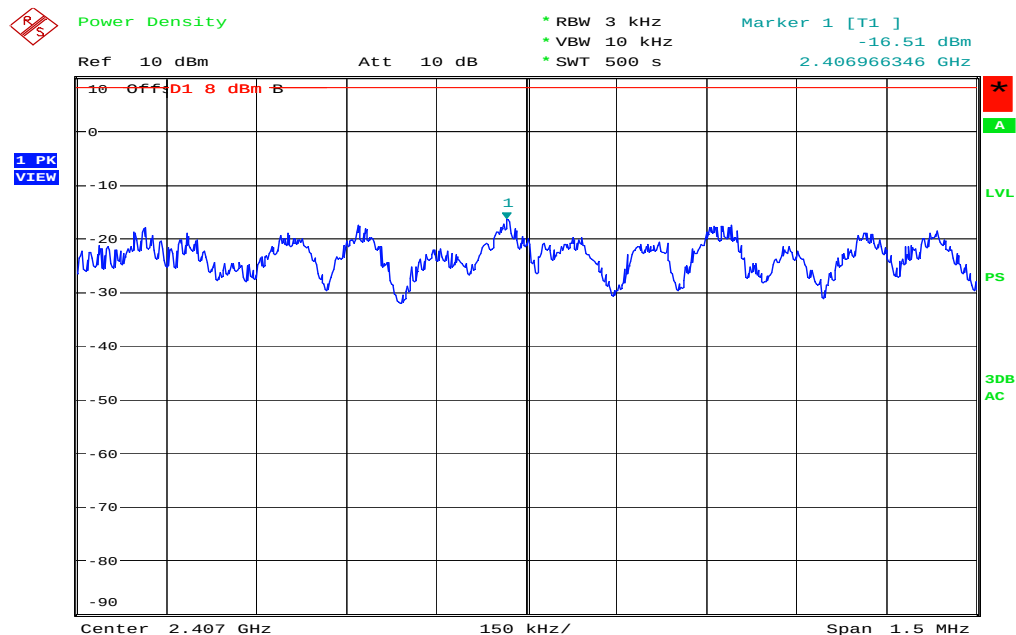
802.11n(40) 2452MHz  
Date: 17.SEP.2008 16:12:27

802.11n (HT40) CH9 2452MHz Chain A+B (B)



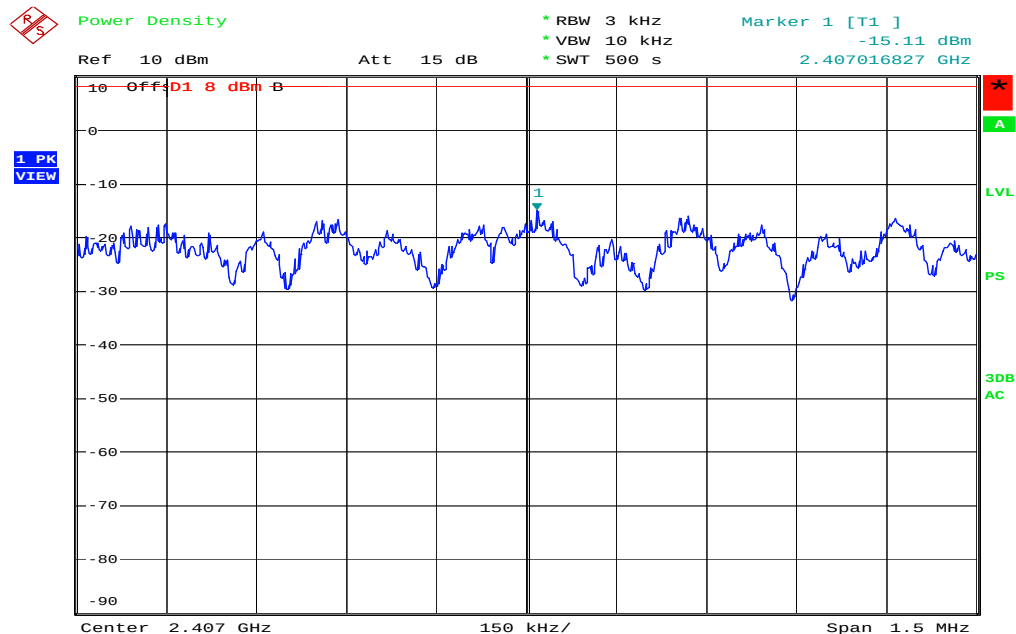
802.11n(40) 2452MHz  
Date: 17.SEP.2008 16:13:27

## 802.11n (HT40) CH3 2422MHz Chain B+C (B)



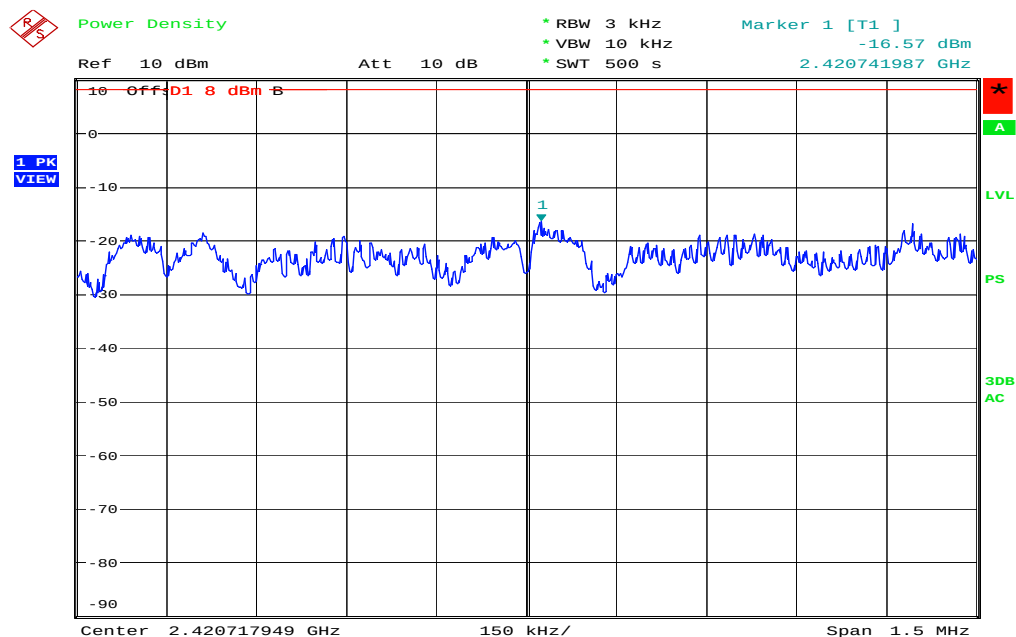
802.11n(40) 2422MHz  
Date: 17.SEP.2008 16:20:18

## 802.11n (HT40) CH3 2422MHz Chain B+C (C)



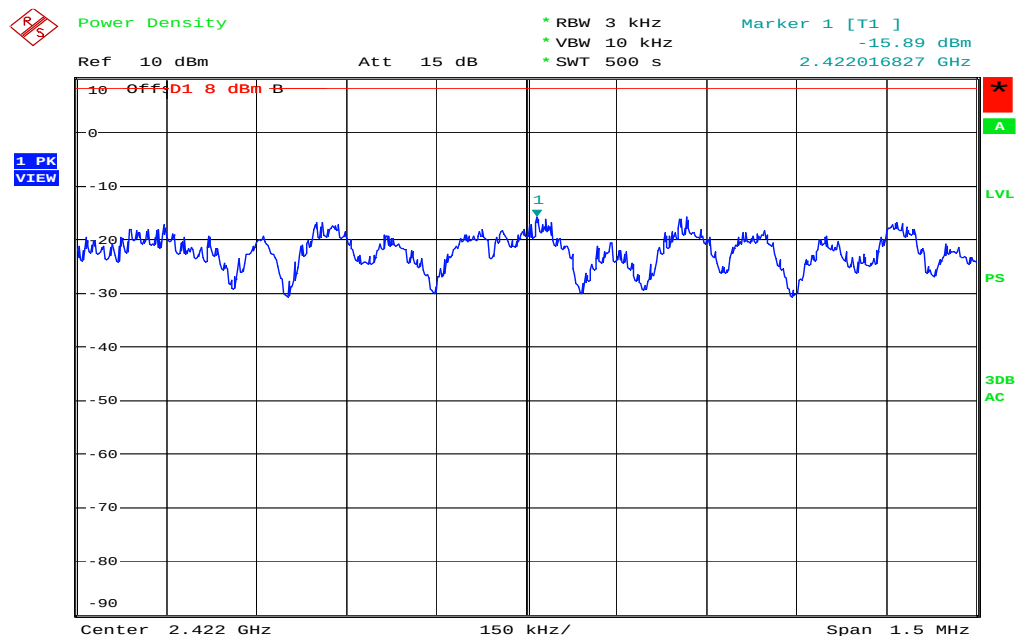
802.11n(40) 2422MHz  
Date: 17.SEP.2008 16:21:16

## 802.11n (HT40) CH6 2437MHz Chain B+C (B)



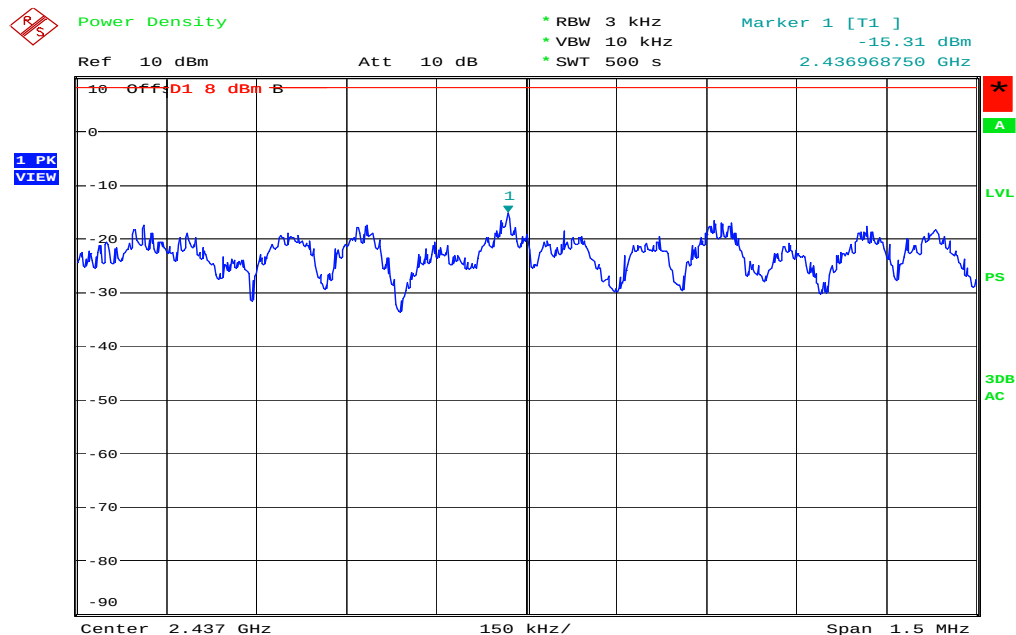
802.11n(40) 2437MHz  
Date: 17.SEP.2008 16:19:10

## 802.11n (HT40) CH6 2437MHz Chain B+C (C)



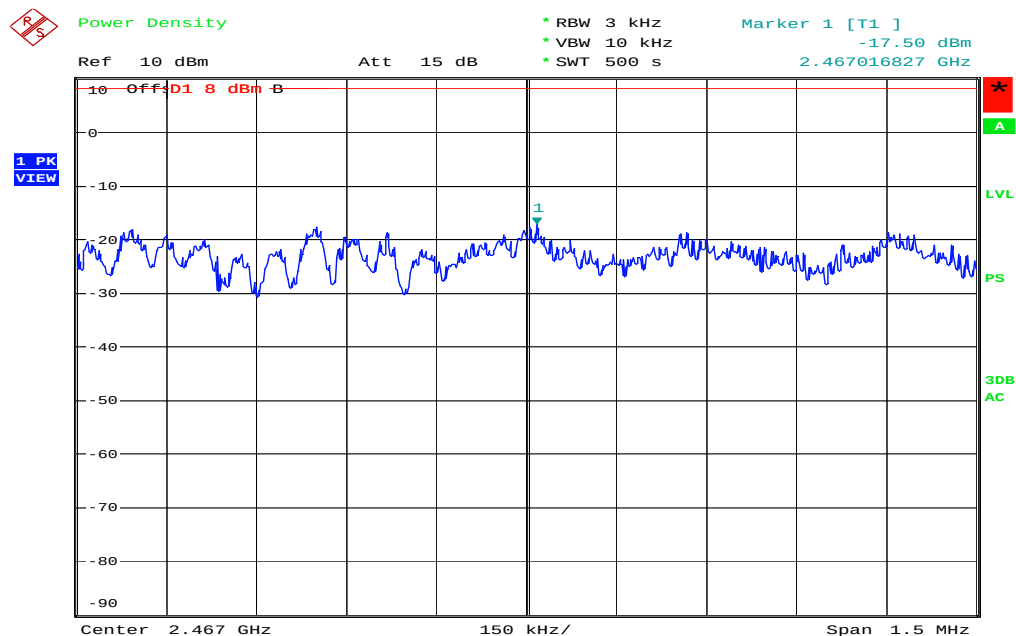
802.11n(40) 2437MHz  
Date: 17.SEP.2008 16:18:03

## 802.11n (HT40) CH9 2452MHz Chain B+C (B)



802.11n(40) 2452MHz  
Date: 17.SEP.2008 16:15:47

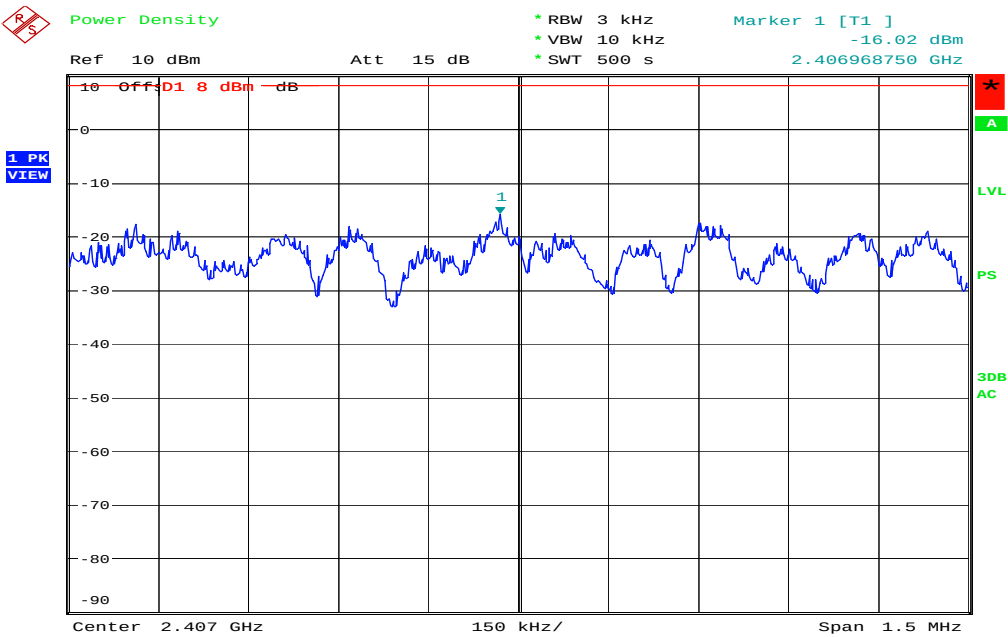
## 802.11n (HT40) CH9 2452MHz Chain B+C (C)



802.11n(40) 2452MHz  
Date: 17.SEP.2008 16:16:50

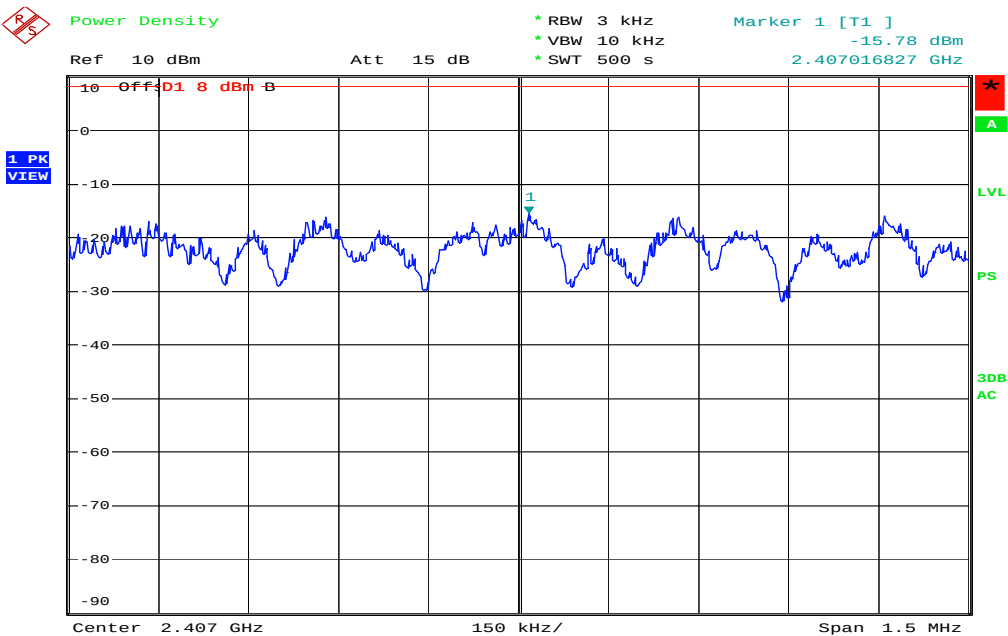


802.11n (HT40) CH3 2422MHz Chain A+C (A)



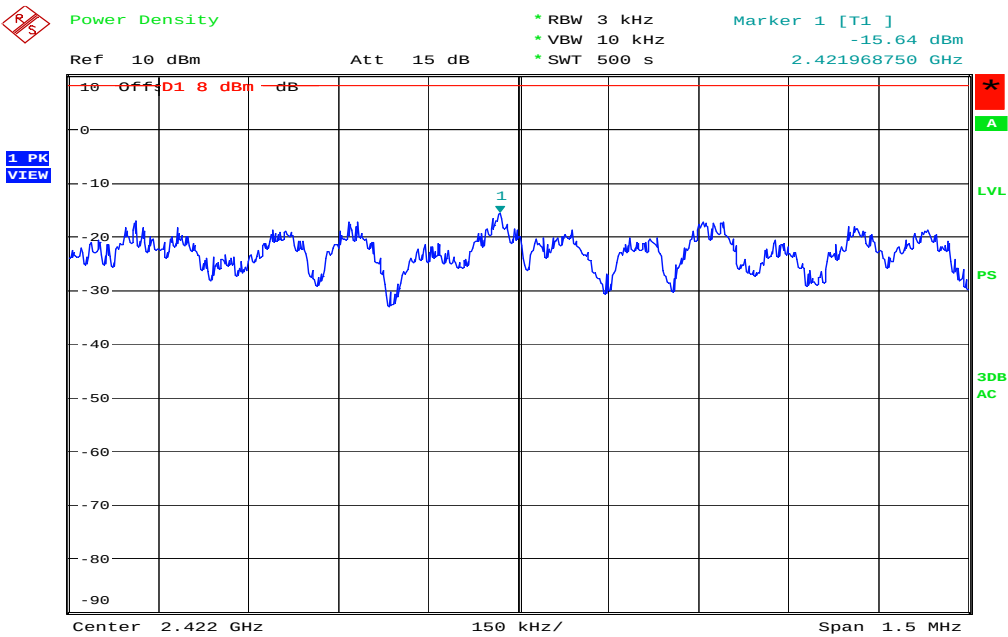
802.11n(40) 2422MHz  
Date: 17.SEP.2008 16:25:09

802.11n (HT40) CH3 2422MHz Chain A+C (C)



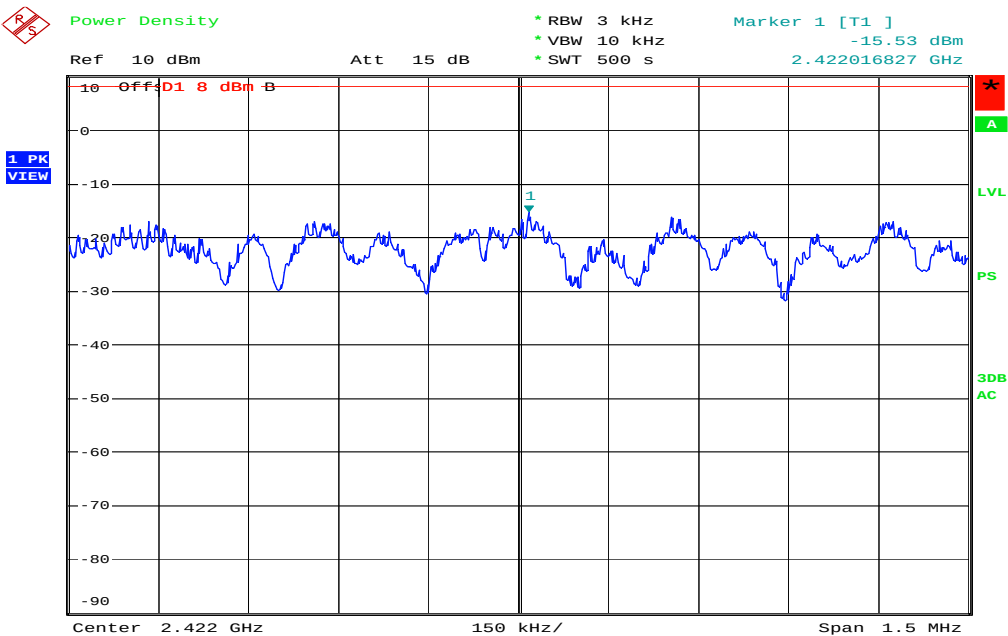
802.11n(40) 2422MHz  
Date: 17.SEP.2008 16:24:07

802.11n (HT40) CH6 2437MHz Chain A+C (A)



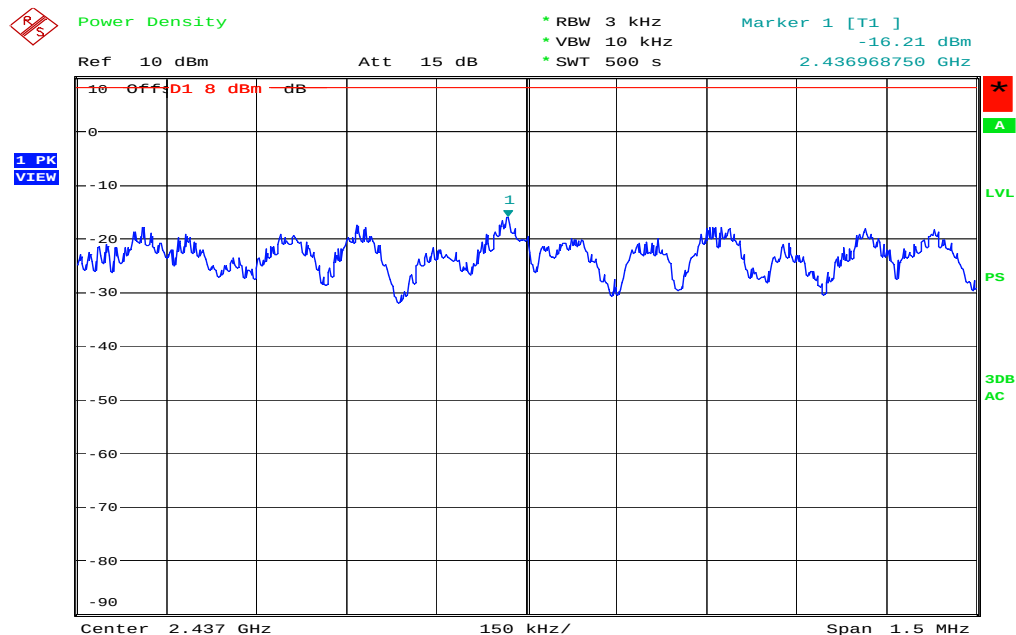
802.11n(40) 2437MHz  
Date: 17.SEP.2008 16:26:22

802.11n (HT40) CH6 2437MHz Chain A+C (C)



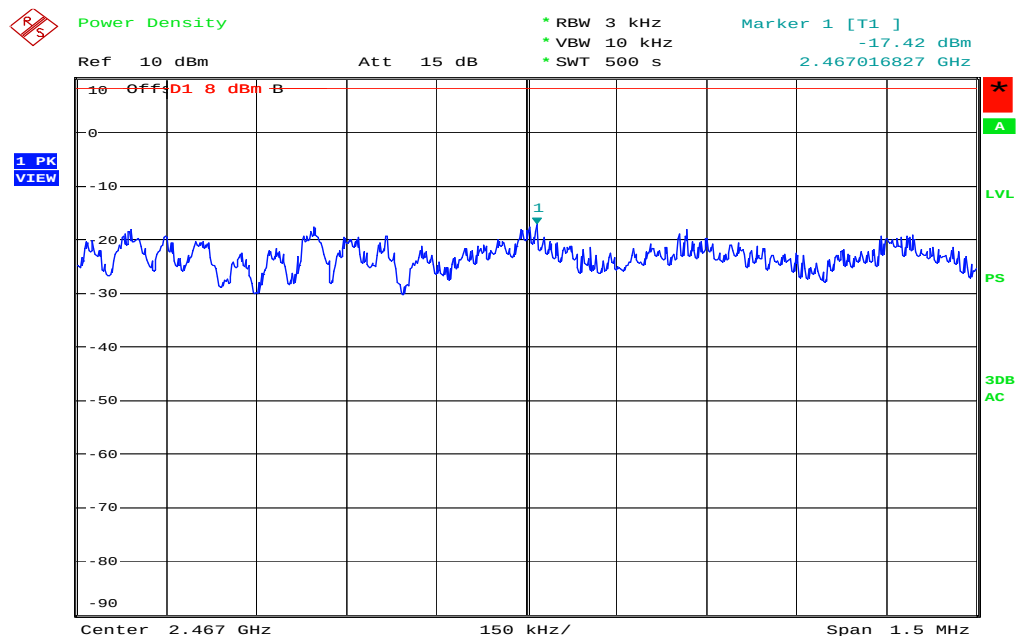
802.11n(40) 2437MHz  
Date: 17.SEP.2008 16:27:24

## 802.11n (HT40) CH9 2452MHz Chain A+C (A)



802.11n(40) 2452MHz  
Date: 17.SEP.2008 16:30:30

## 802.11n (HT40) CH9 2452MHz Chain A+C (C)



802.11n(40) 2452MHz  
Date: 17.SEP.2008 16:28:34