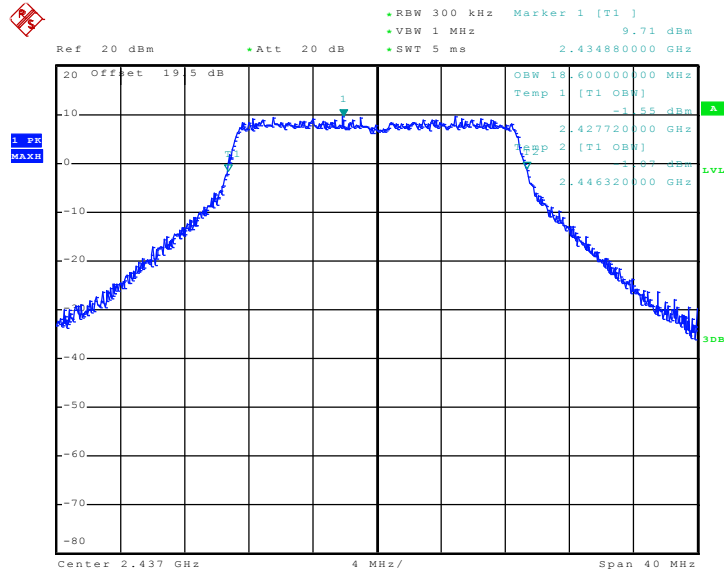


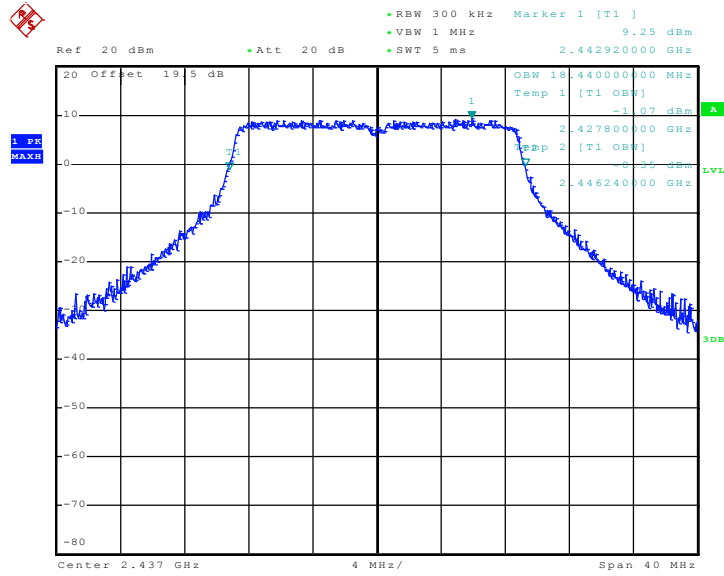
Date: 1.NOV.2010 04:21:19

**99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel 06 - Chain A+B(A)**



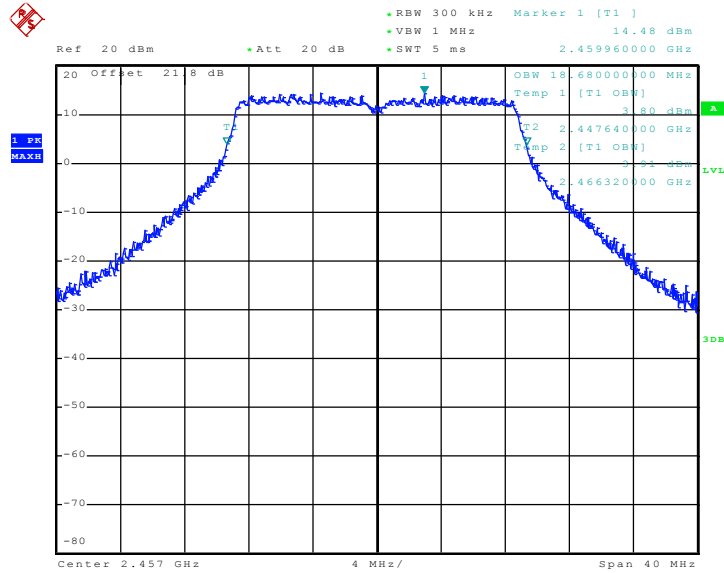
Date: 8.NOV.2010 14:51:24

**99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel 06 - Chain A+B(B)**



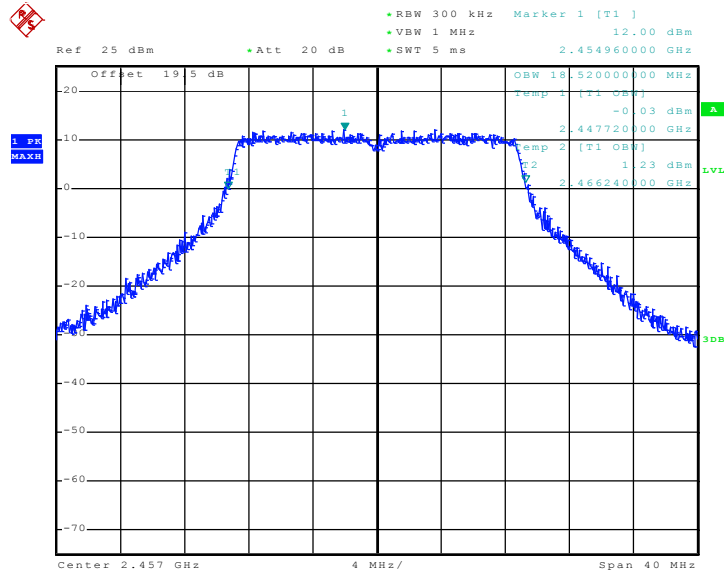
Date: 8.NOV.2010 14:33:49

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel 10 - Chain A



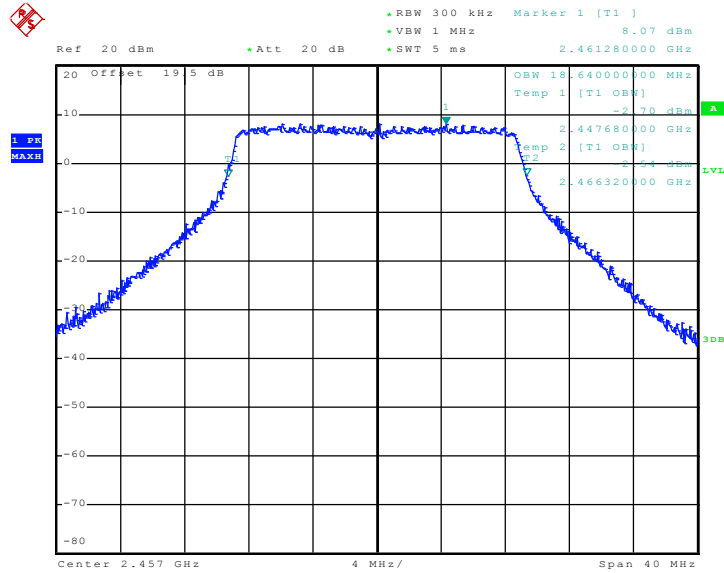
Date: 17.NOV.2010 17:08:31

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel 10 - Chain B



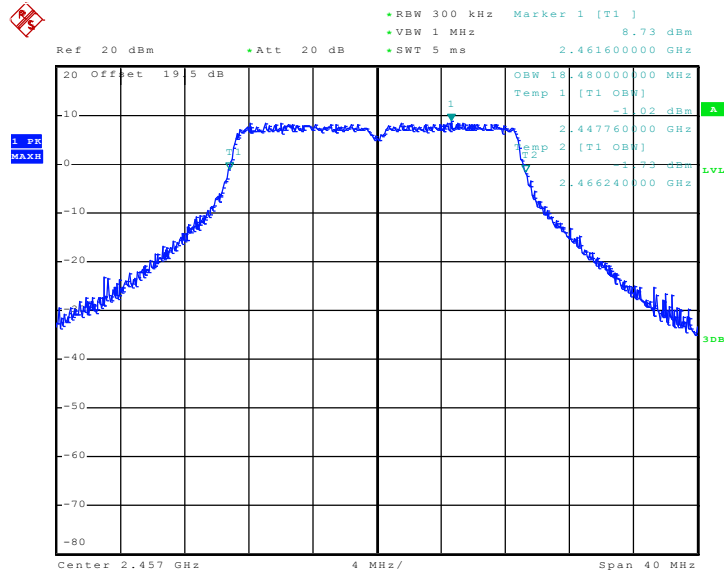
Date: 1.NOV.2010 04:35:16

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel 10 - Chain A+B(A)



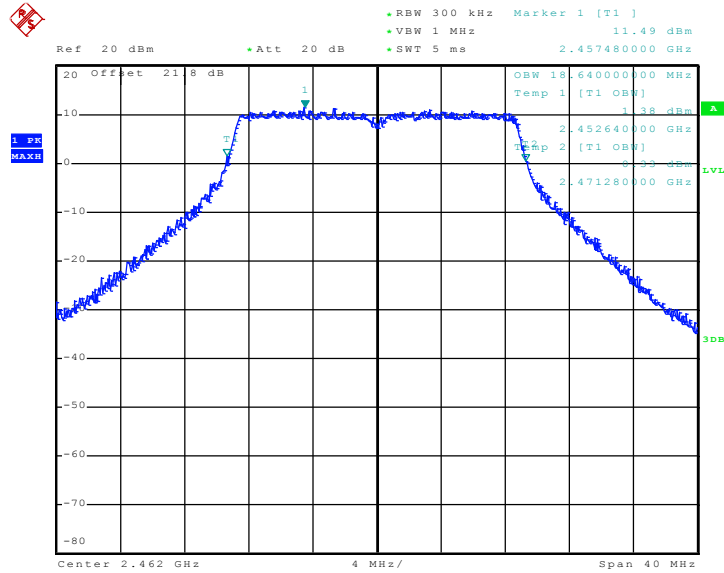
Date: 8.NOV.2010 15:04:28

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel 10 - Chain A+B(B)



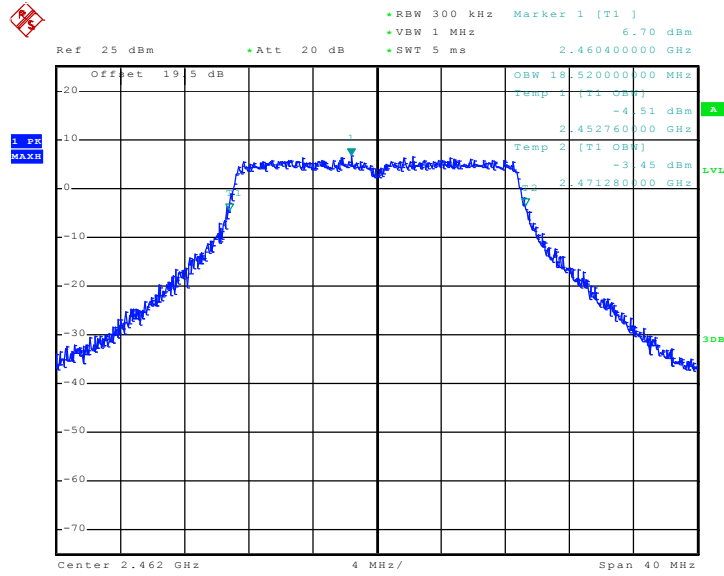
Date: 8.NOV.2010 15:19:35

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel 11 - Chain A



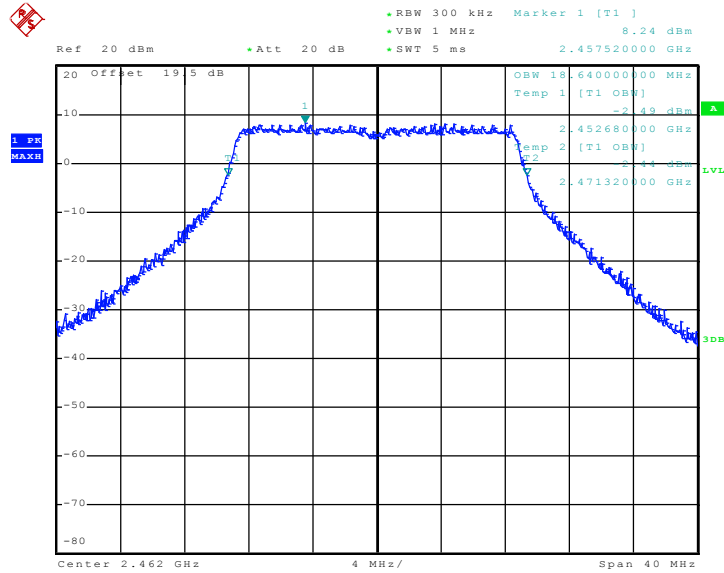
Date: 17.NOV.2010 17:24:37

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel 11 - Chain B



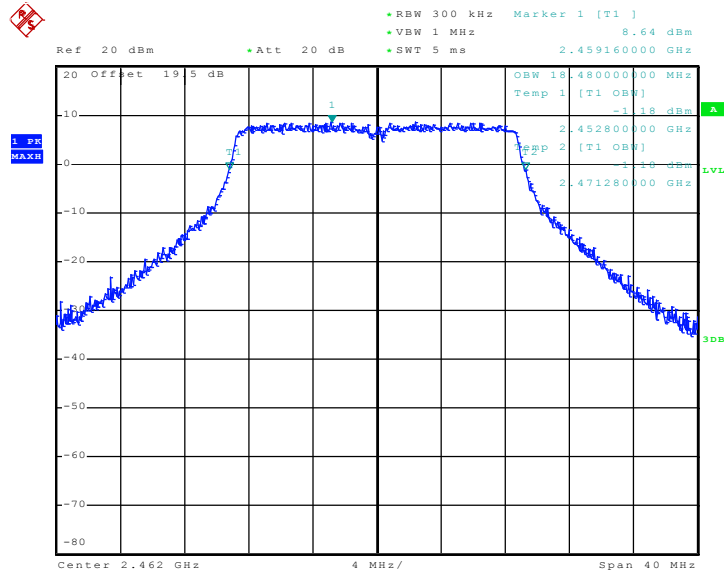
Date: 1.NOV.2010 04:49:46

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel 11 - Chain A+B(A)



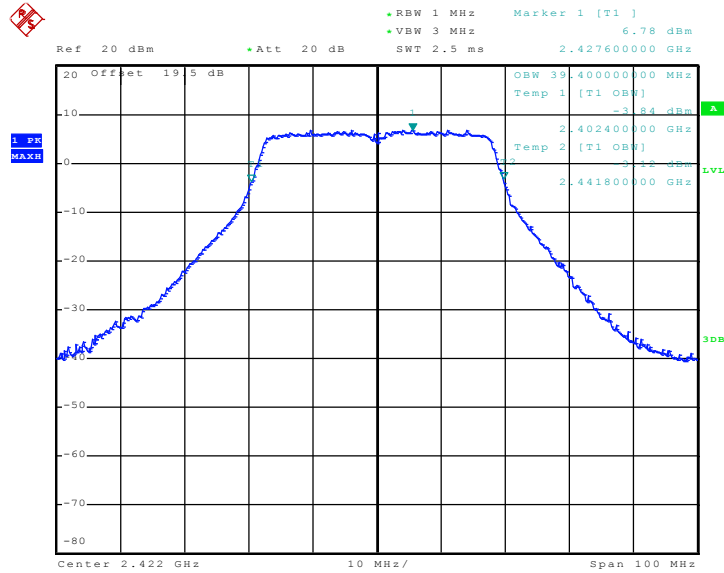
Date: 8.NOV.2010 15:54:24

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel 11 - Chain A+B(B)



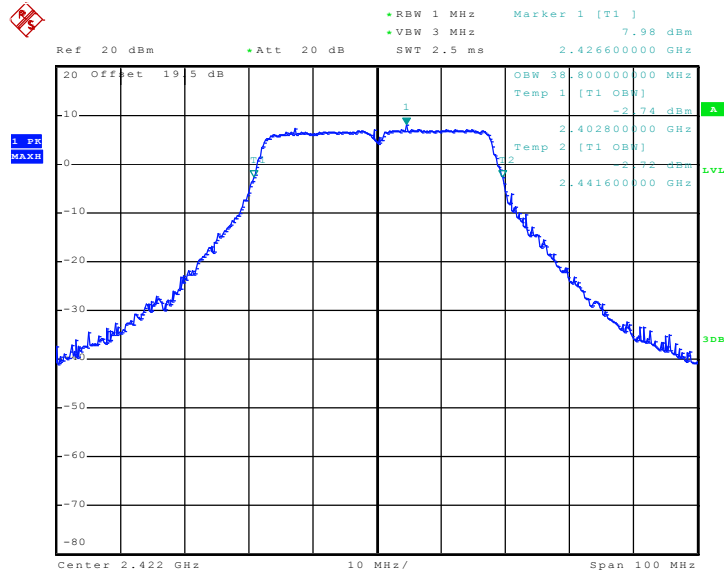
Date: 8.NOV.2010 15:40:59

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 03 - Chain A



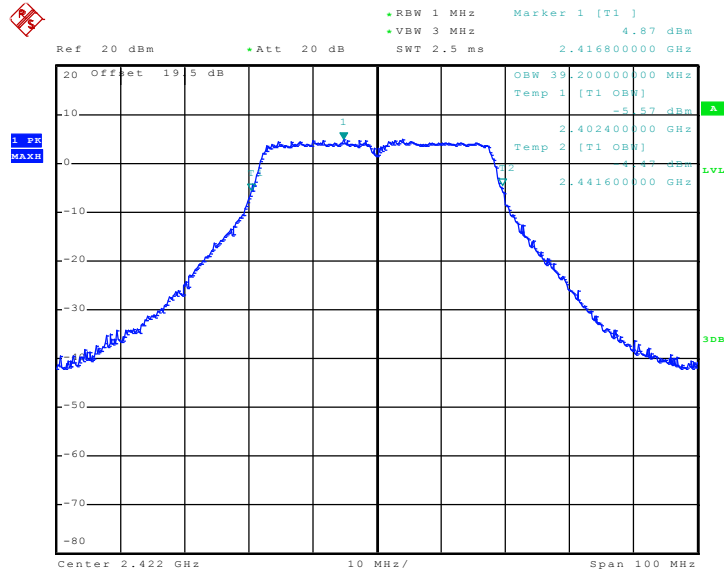
Date: 12.JAN.2011 21:04:02

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 03 - Chain B



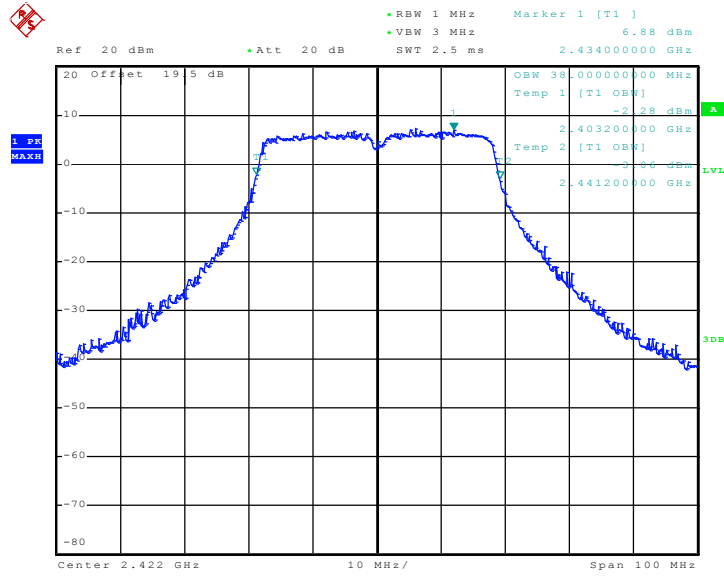
Date: 12.JAN.2011 21:22:25

**99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 03 - Chain A+B(A)**



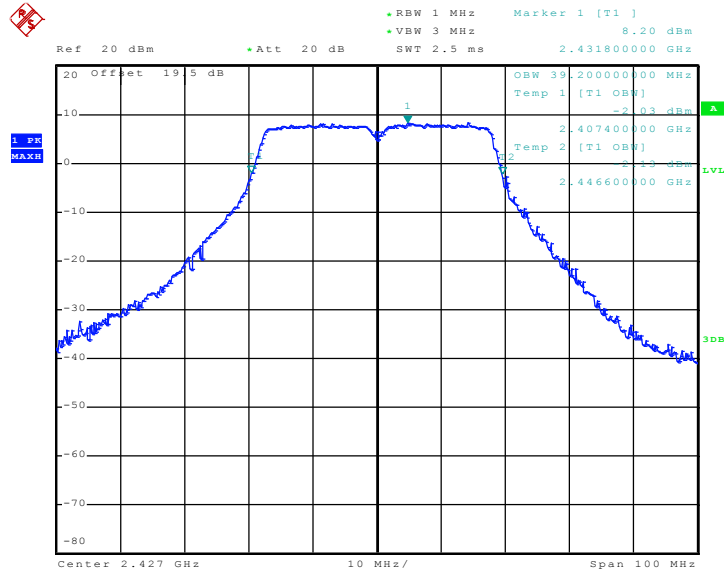
Date: 12.JAN.2011 22:04:17

**99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 03 - Chain A+B(B)**



Date: 12.JAN.2011 21:47:00

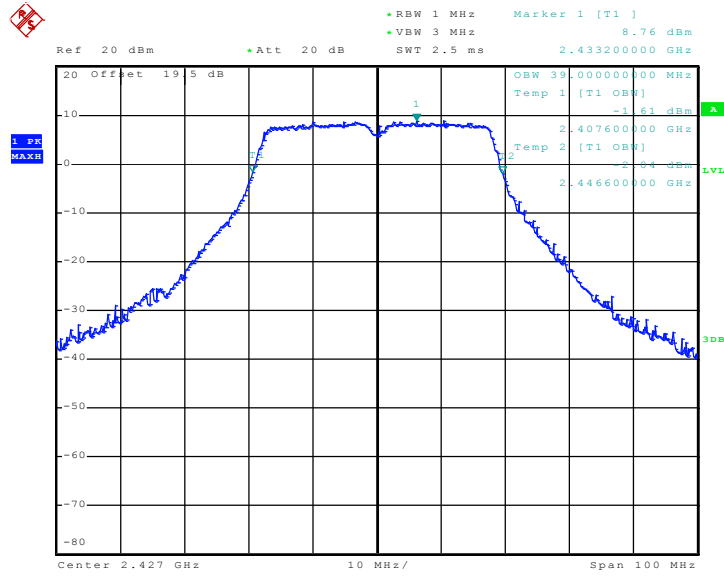
99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel  
04 - Chain A



Date: 12.JAN.2011 21:04:55

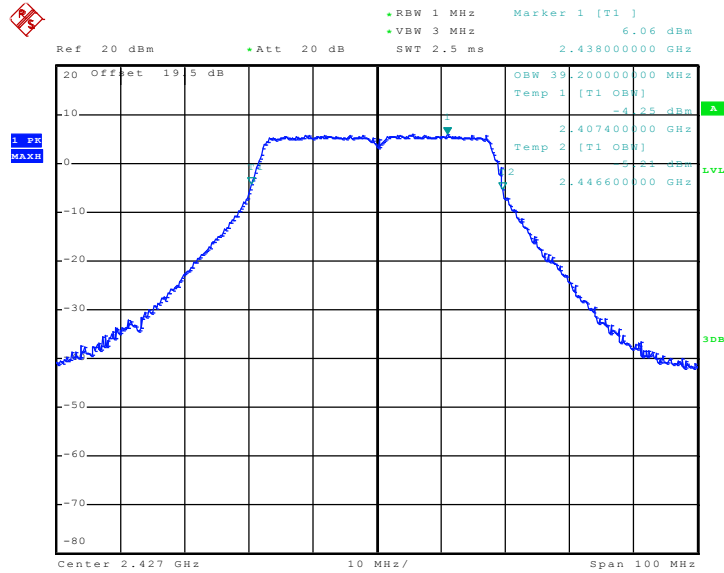
99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel  
04 - Chain B





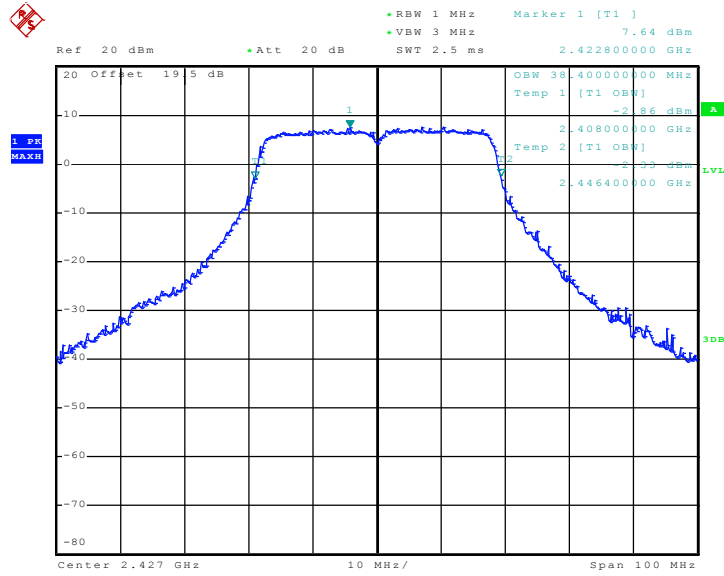
Date: 12.JAN.2011 21:21:48

**99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel  
04 - Chain A+B(A)**



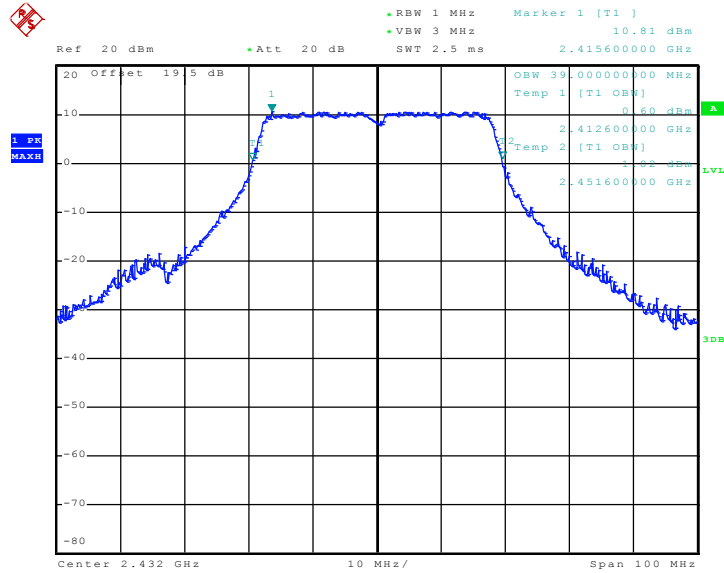
Date: 12.JAN.2011 22:02:37

**99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel  
04 - Chain A+B(B)**



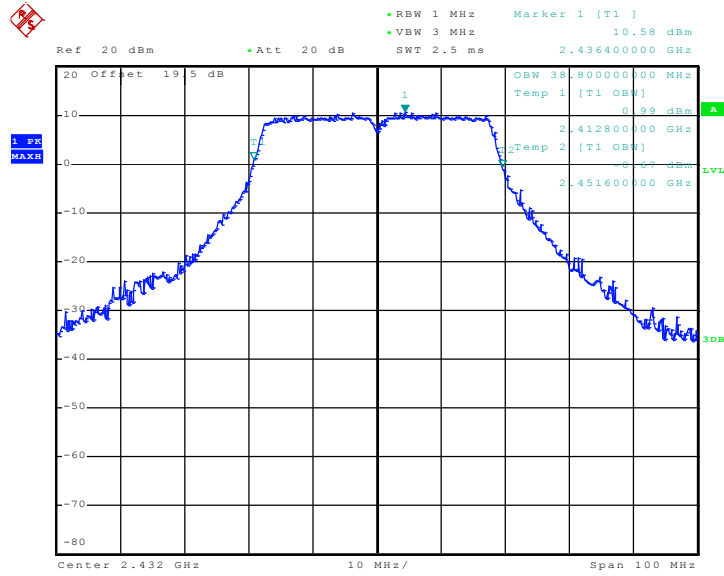
Date: 12.JAN.2011 21:47:46

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 05 - Chain A



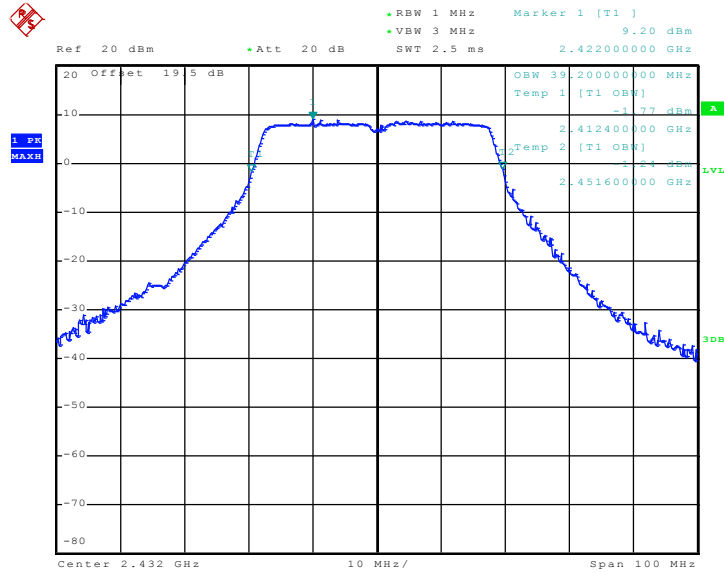
Date: 12.JAN.2011 21:06:34

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 05 - Chain B



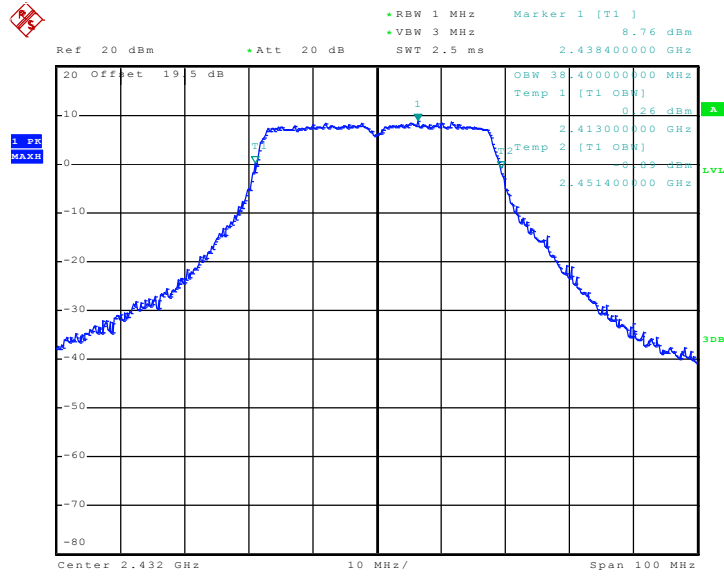
Date: 12.JAN.2011 21:20:49

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 05 - Chain A+B(A)



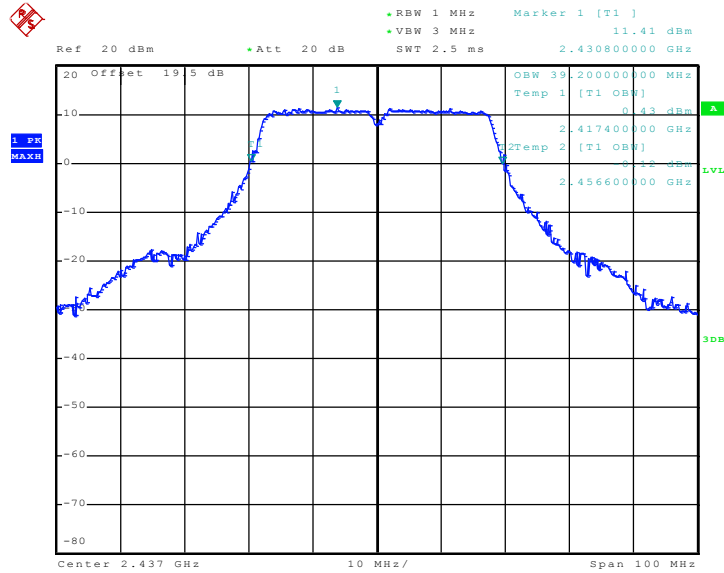
Date: 12.JAN.2011 22:01:39

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 05 - Chain A+B(B)



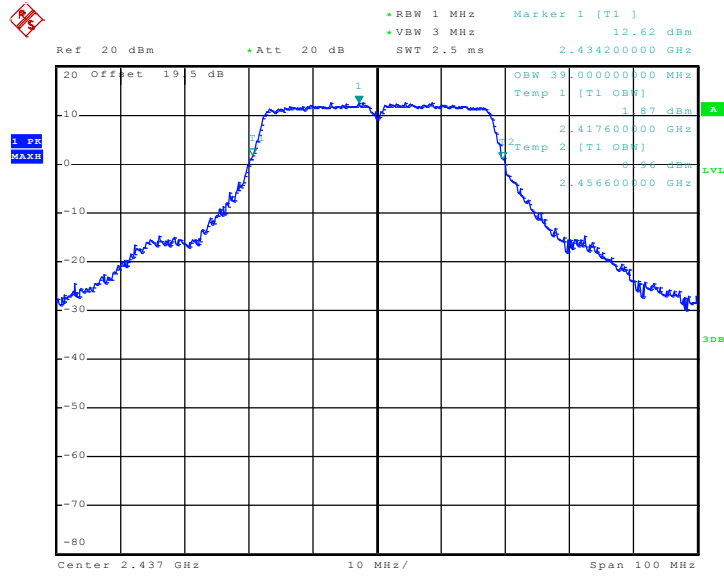
Date: 12.JAN.2011 21:48:45

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 06 - Chain A



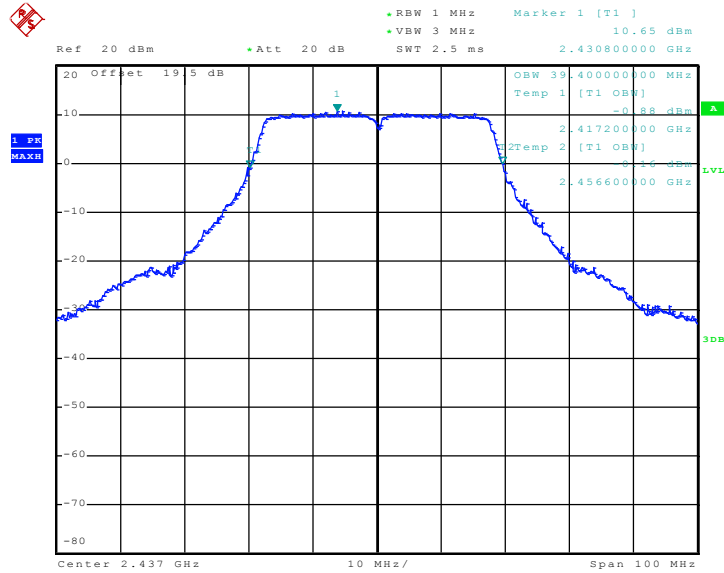
Date: 12.JAN.2011 21:07:51

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 06 - Chain B



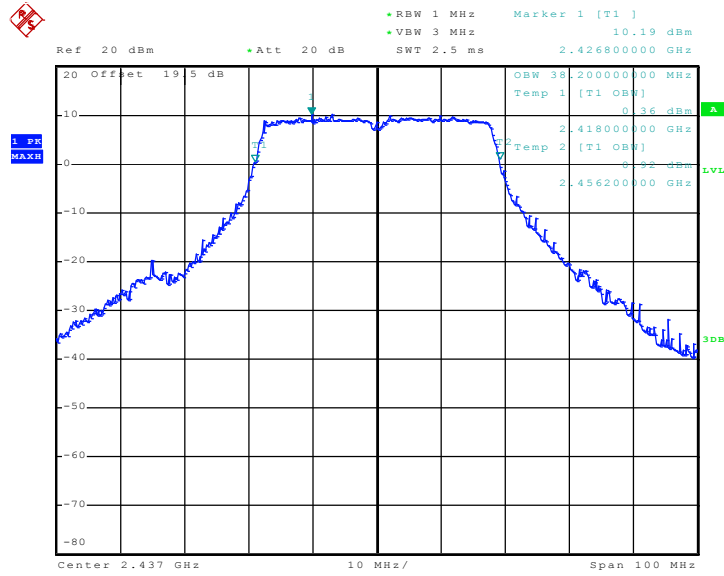
Date: 12.JAN.2011 21:18:54

**99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 06 - Chain A+B(A)**



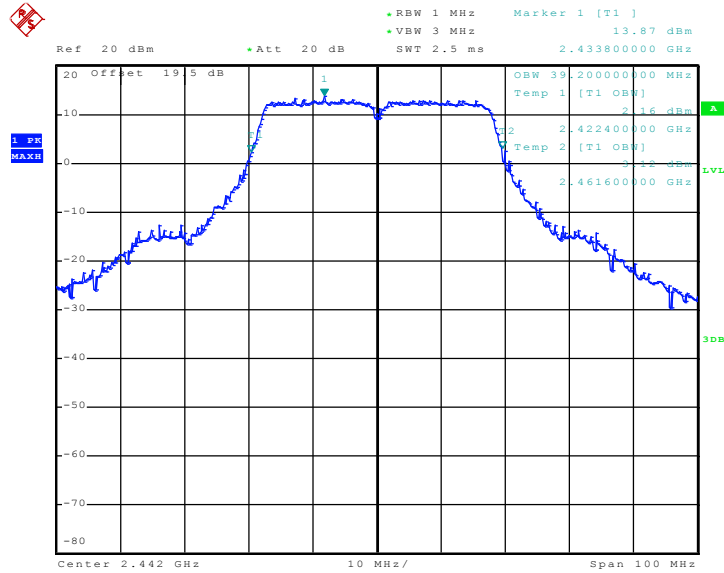
Date: 12.JAN.2011 21:59:28

**99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 06 - Chain A+B(B)**



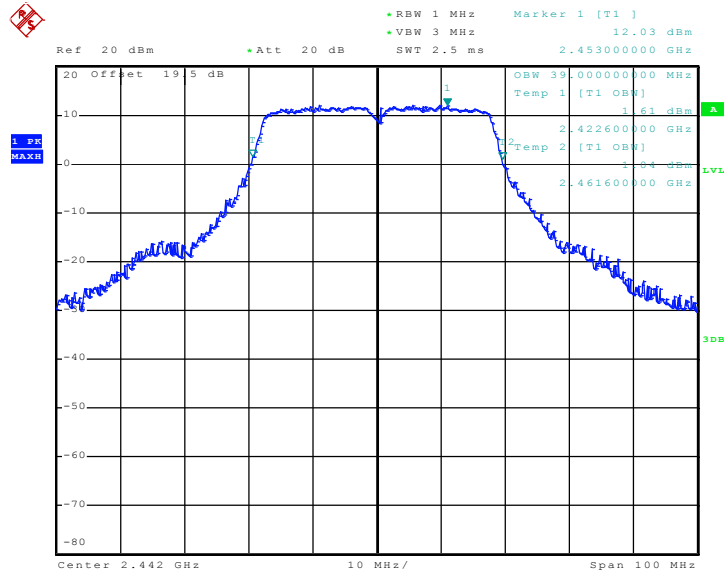
Date: 12.JAN.2011 21:49:45

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 07 - Chain A



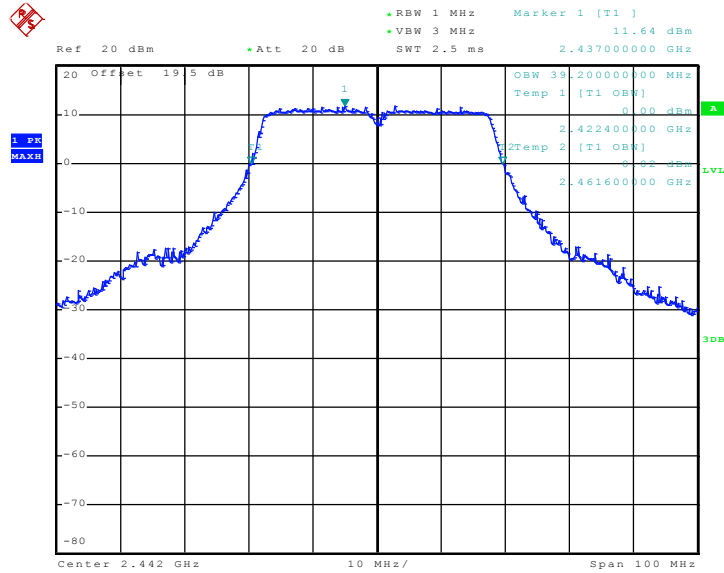
Date: 12.JAN.2011 21:09:08

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 07 - Chain B



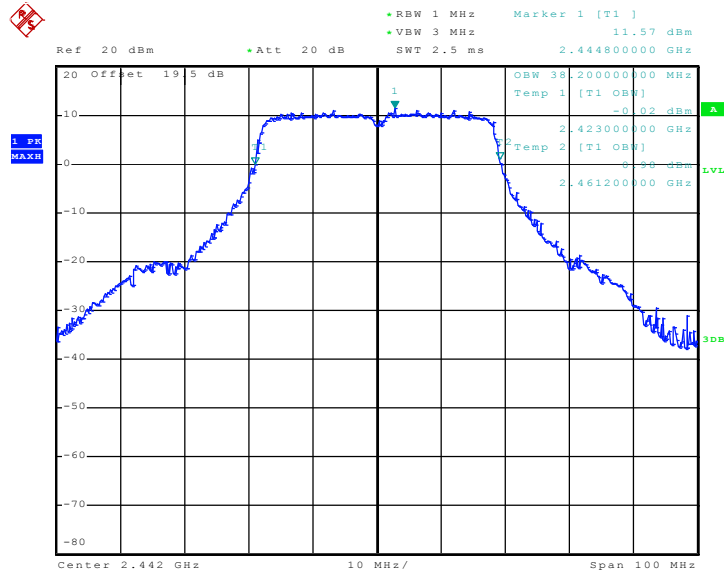
Date: 12.JAN.2011 21:17:50

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 07 - Chain A+B(A)



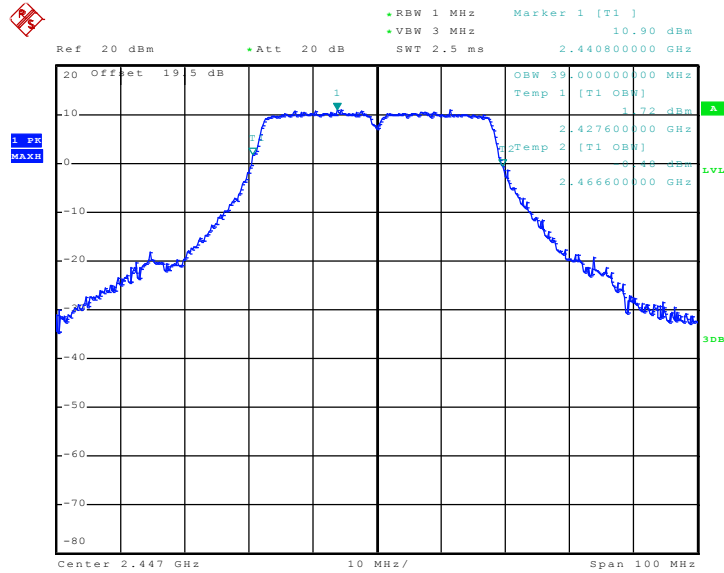
Date: 12.JAN.2011 21:58:03

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 07 - Chain A+B(B)



Date: 12.JAN.2011 21:50:44

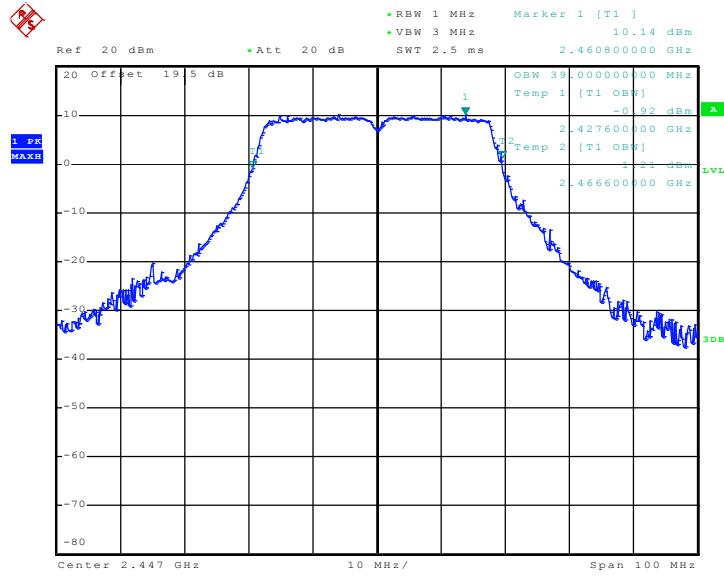
99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 08 - Chain A



Date: 12.JAN.2011 21:10:29

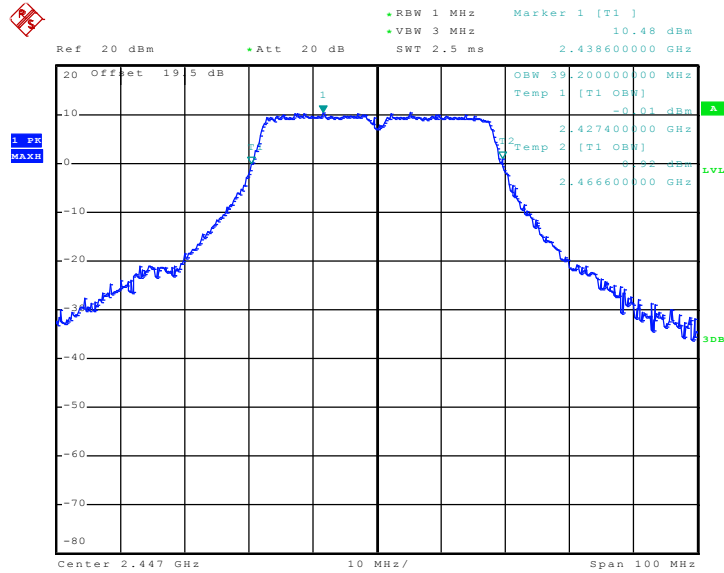
99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 08 - Chain B





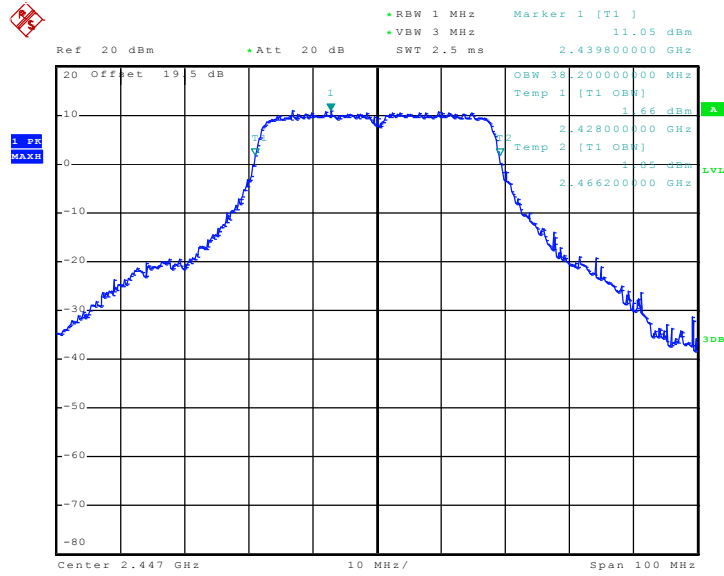
Date: 12.JAN.2011 21:16:47

**99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 08 - Chain A+B(A)**



Date: 12.JAN.2011 21:56:50

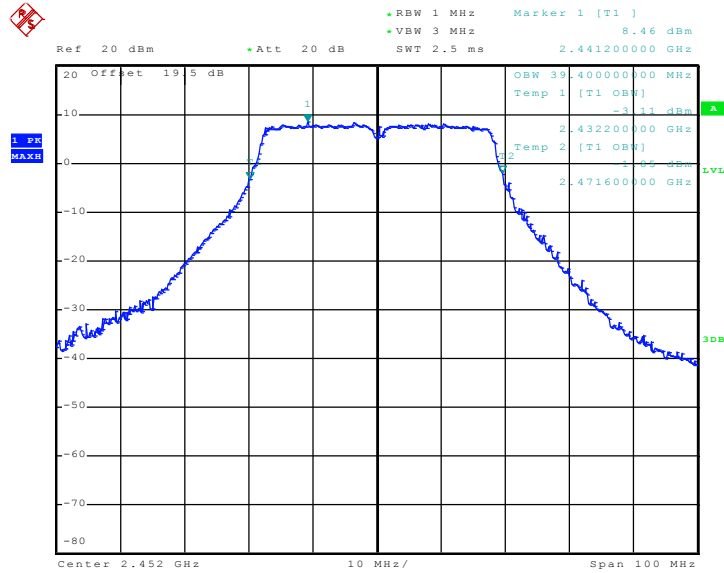
**99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 08 - Chain A+B(B)**



Date: 12.JAN.2011 21:52:21

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

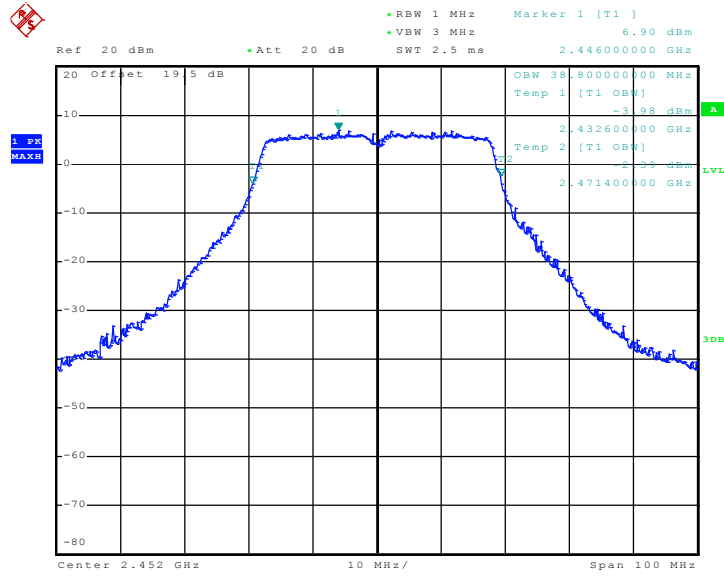
09 - Chain A



Date: 12.JAN.2011 21:11:13

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

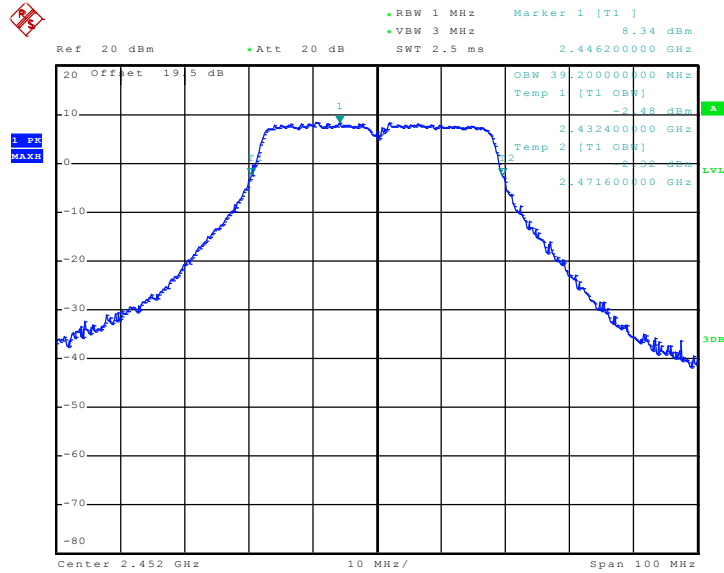
09 - Chain B



Date: 12.JAN.2011 21:15:55

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

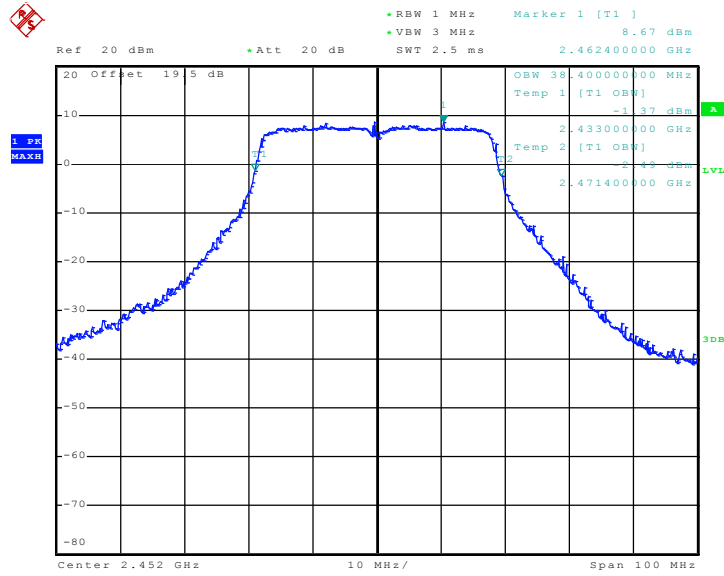
09 - Chain A+B(A)



Date: 12.JAN.2011 21:55:42

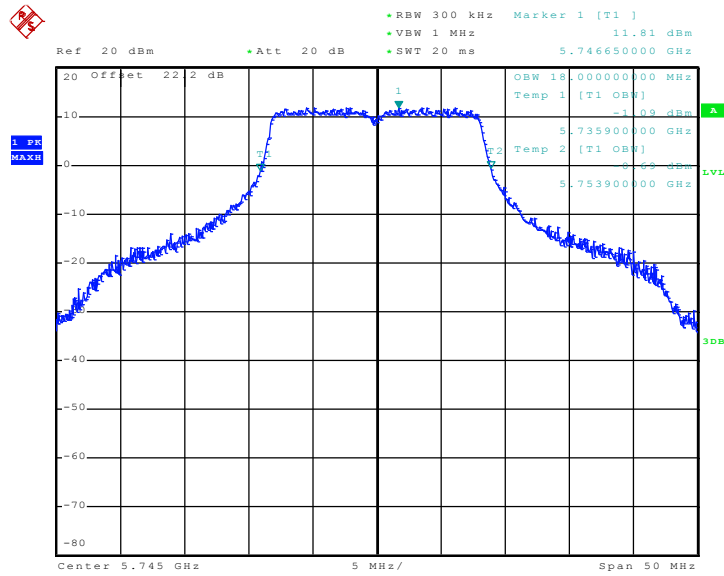
99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel

09 - Chain A+B(B)



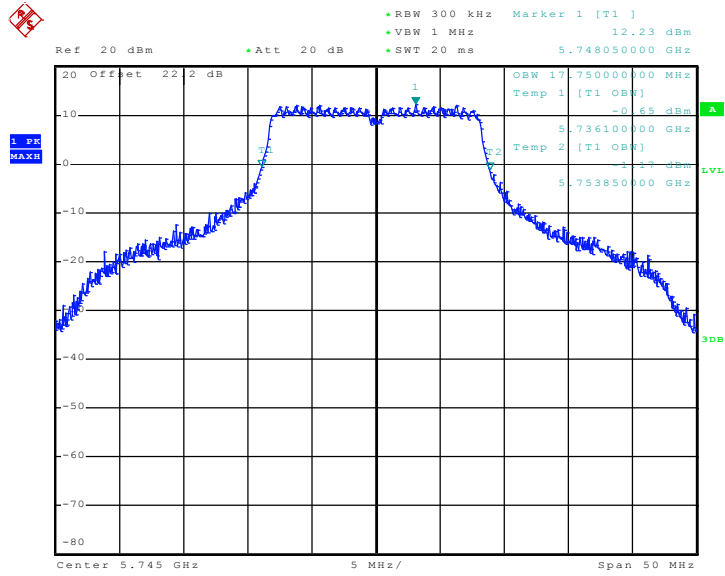
Date: 12.JAN.2011 21:53:36

99% Occupied Bandwidth Plot on 802.11a Channel 149 - Chain A



Date: 10.NOV.2010 02:02:10

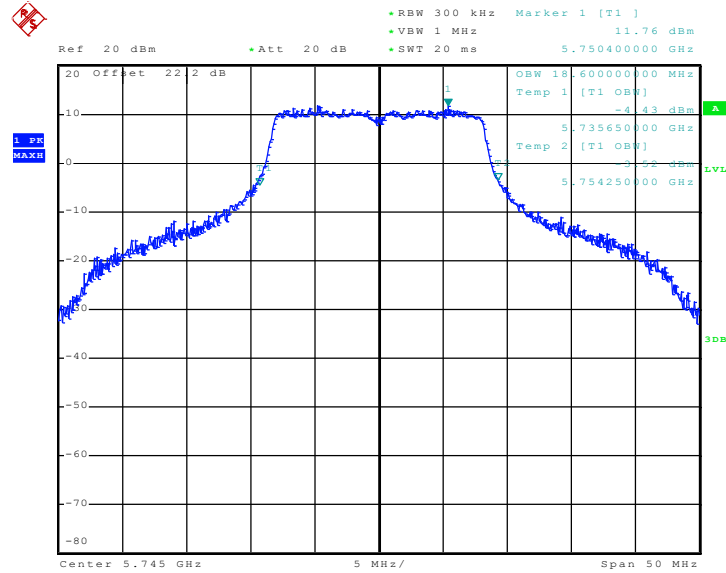
99% Occupied Bandwidth Plot on 802.11a Channel 149 - Chain B



Date: 10.NOV.2010 02:33:18

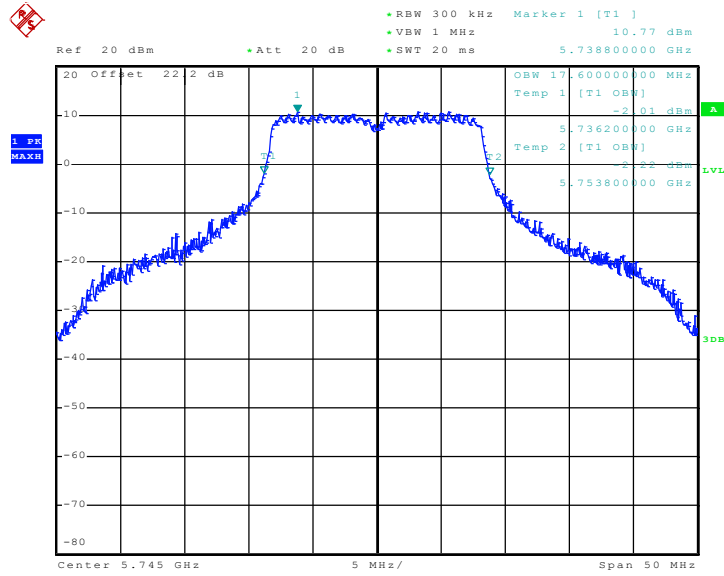


99% Occupied Bandwidth Plot on 802.11a Channel 149 - Chain A+B(A)



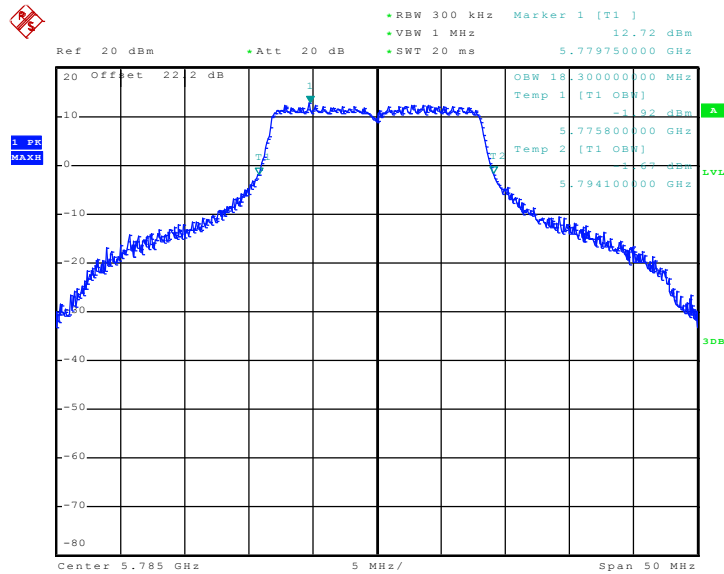
Date: 10.NOV.2010 10:22:10

99% Occupied Bandwidth Plot on 802.11a Channel 149 - Chain A+B(B)



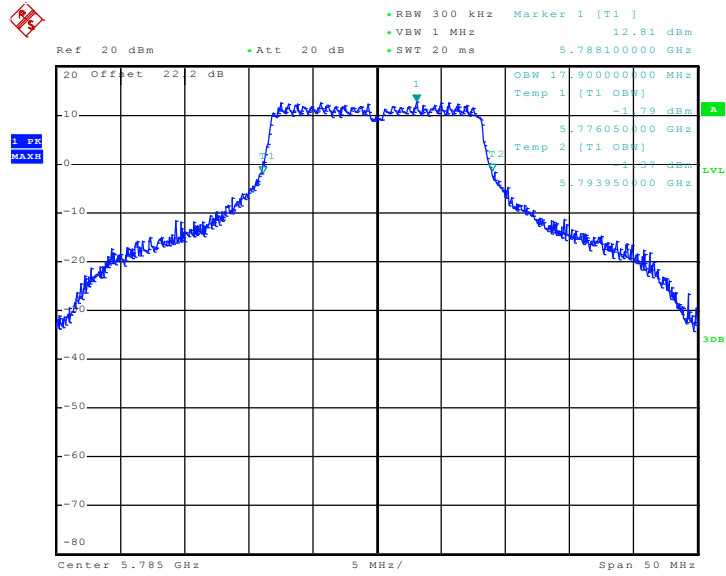
Date: 10.NOV.2010 10:14:10

99% Occupied Bandwidth Plot on 802.11a Channel 157 - Chain A



Date: 10.NOV.2010 02:05:26

99% Occupied Bandwidth Plot on 802.11a Channel 157 - Chain B

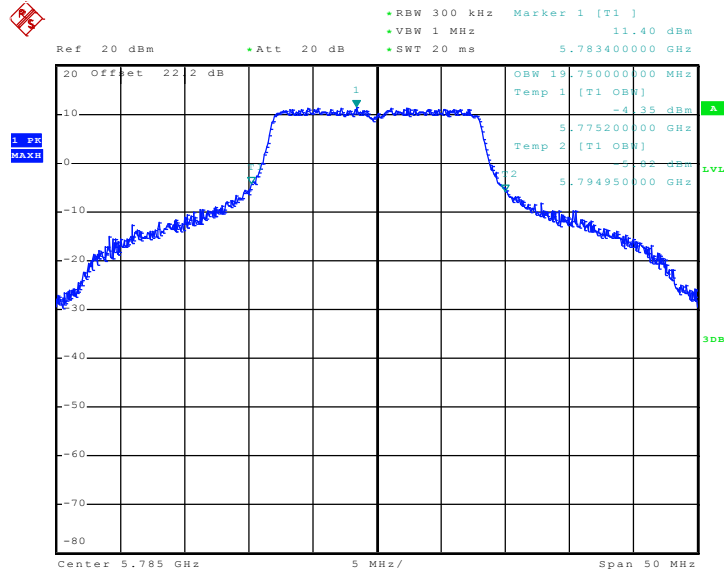


Date: 10.NOV.2010 02:31:03



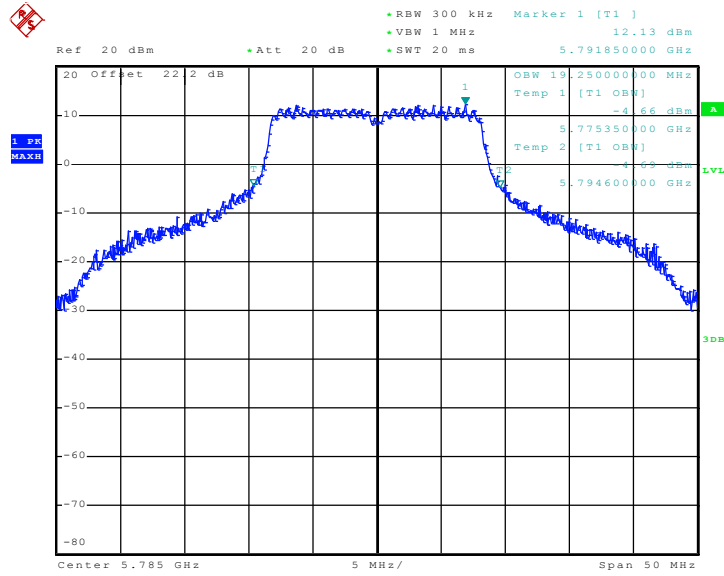


99% Occupied Bandwidth Plot on 802.11a Channel 157 - Chain A+B(A)



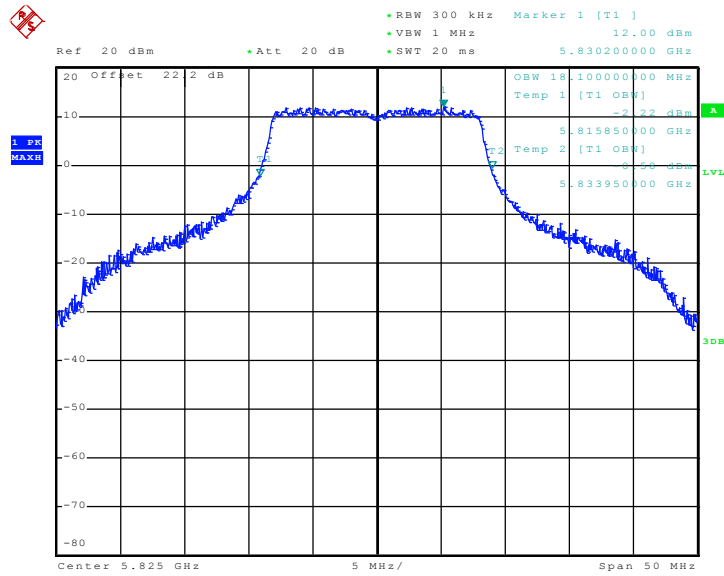
Date: 17.NOV.2010 07:32:09

99% Occupied Bandwidth Plot on 802.11a Channel 157 - Chain A+B(B)



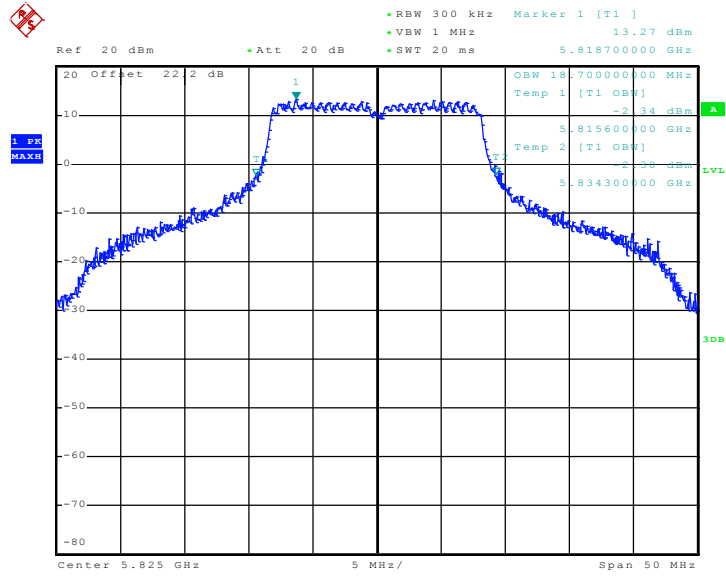
Date: 17.NOV.2010 08:16:45

99% Occupied Bandwidth Plot on 802.11a Channel 165 - Chain A



Date: 10.NOV.2010 02:08:26

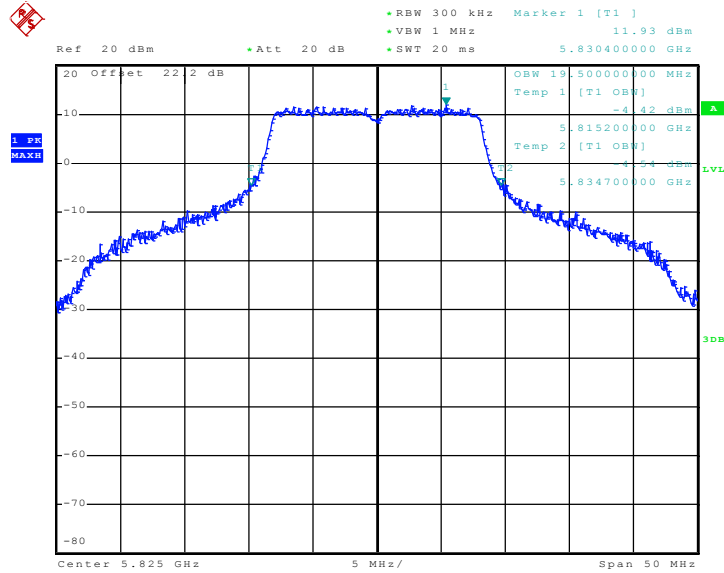
99% Occupied Bandwidth Plot on 802.11a Channel 165 - Chain B



Date: 10.NOV.2010 02:28:37

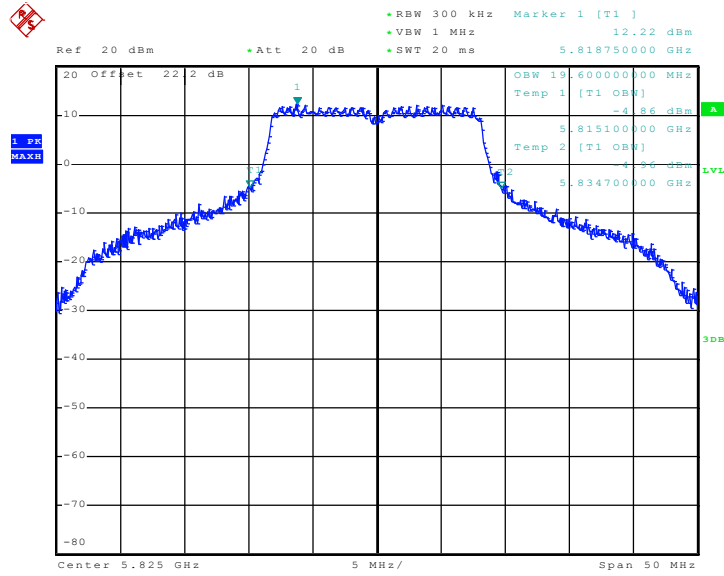


99% Occupied Bandwidth Plot on 802.11a Channel 165 - Chain A+B(A)



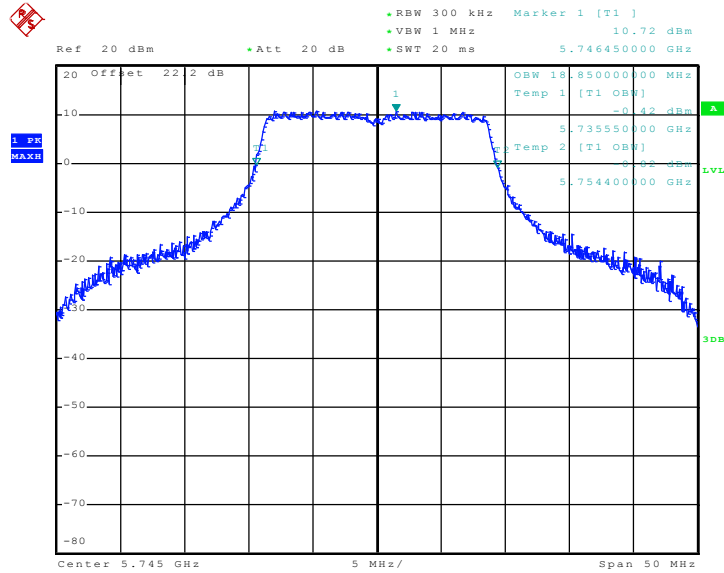
Date: 17.NOV.2010 07:49:43

99% Occupied Bandwidth Plot on 802.11a Channel 165 - Chain A+B(B)



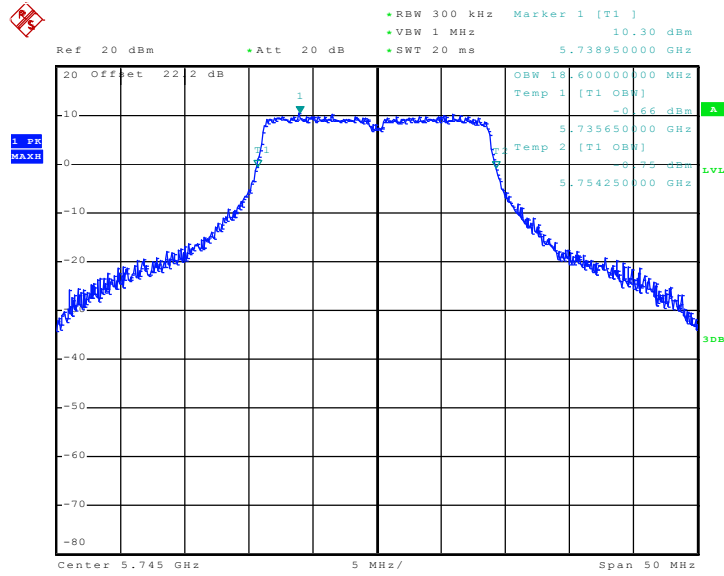
Date: 17.NOV.2010 08:02:53

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel 149 - Chain A



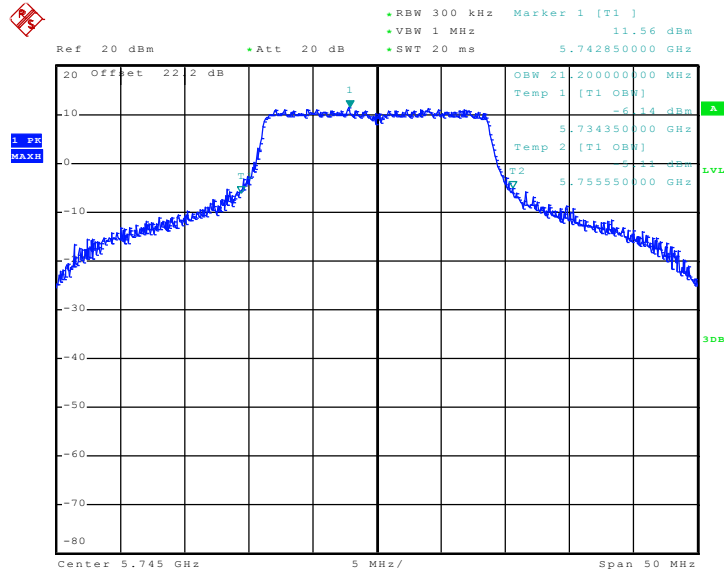
Date: 10.NOV.2010 03:14:07

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel 149 - Chain B



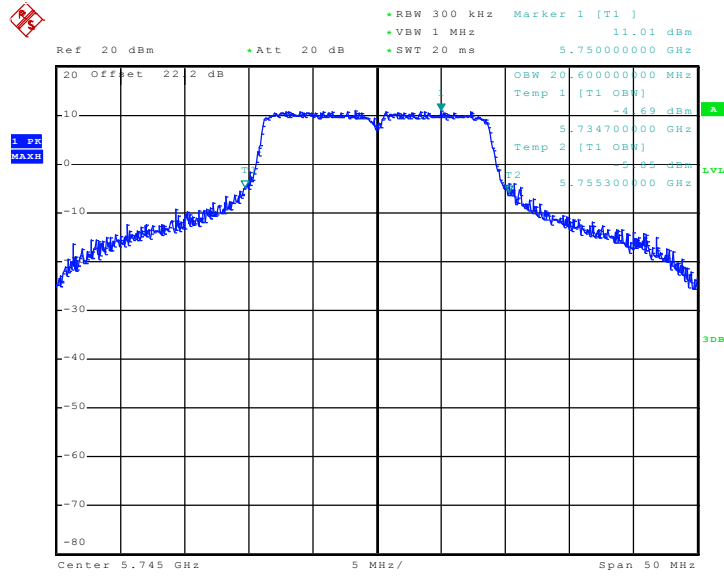
Date: 10.NOV.2010 02:50:02

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel 149 - Chain A+B(A)



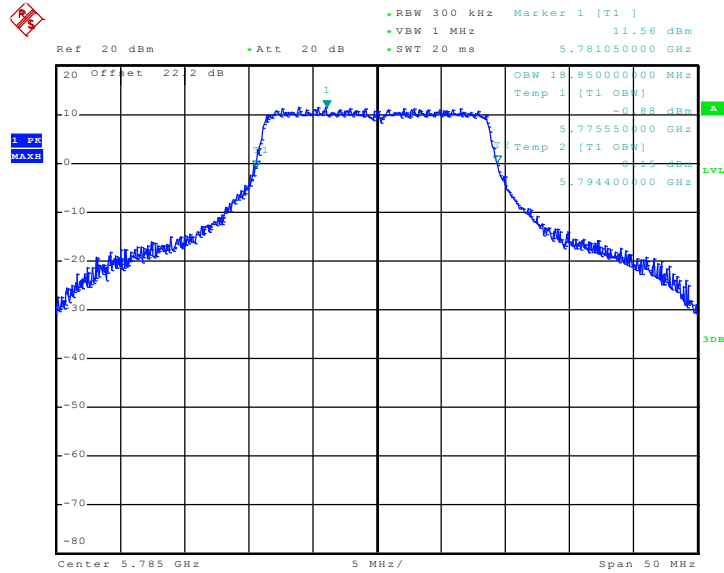
Date: 17.NOV.2010 09:45:24

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel 149 - Chain A+B(B)



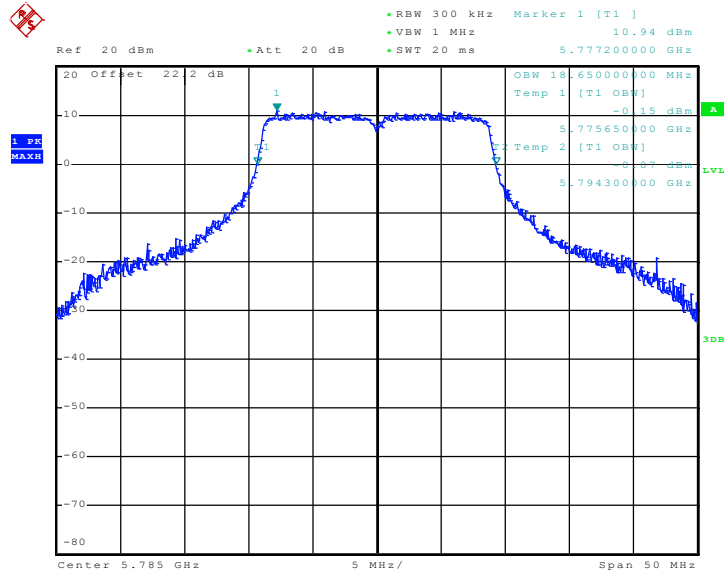
Date: 17.NOV.2010 09:09:49

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel 157 - Chain A



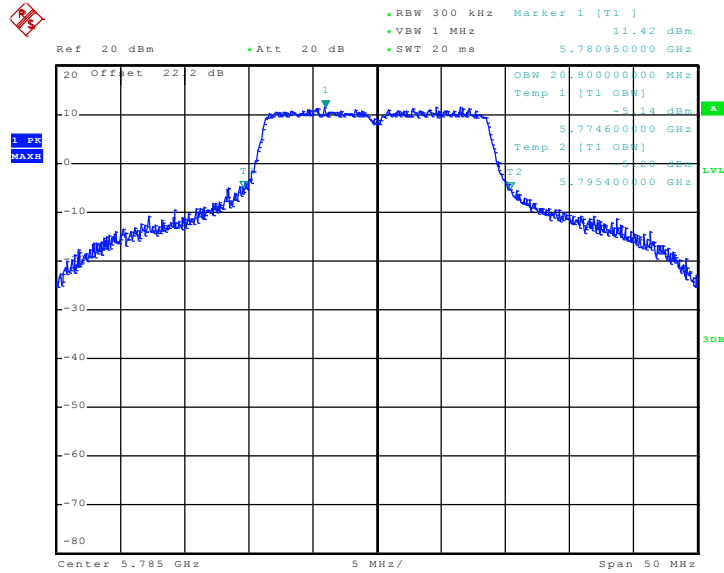
Date: 10.NOV.2010 03:10:51

99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel 157 - Chain B



Date: 10.NOV.2010 02:51:49

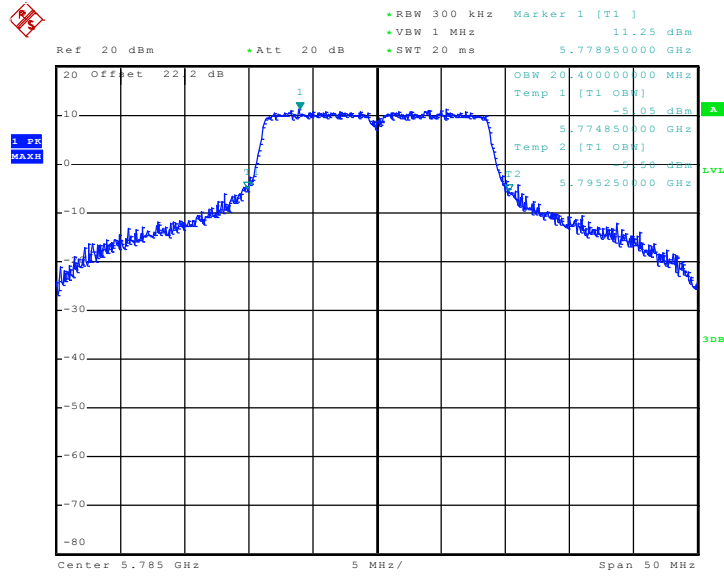
**99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel 157 - Chain A+B(A)**



Date: 17.NOV.2010 09:49:25

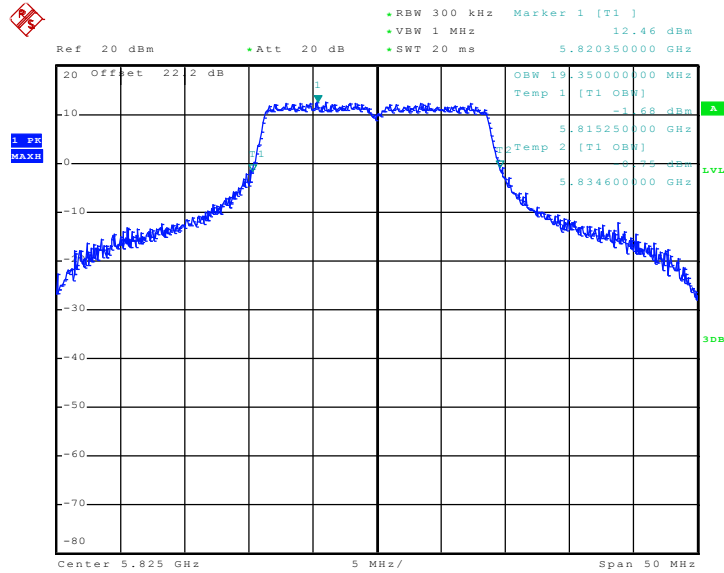
**99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel 157 - Chain A+B(B)**





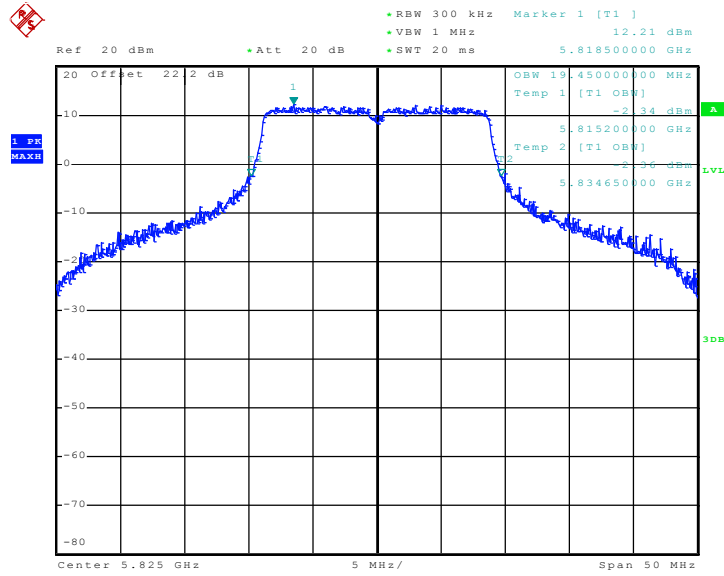
Date: 17.NOV.2010 08:34:58

**99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel 165 - Chain A**



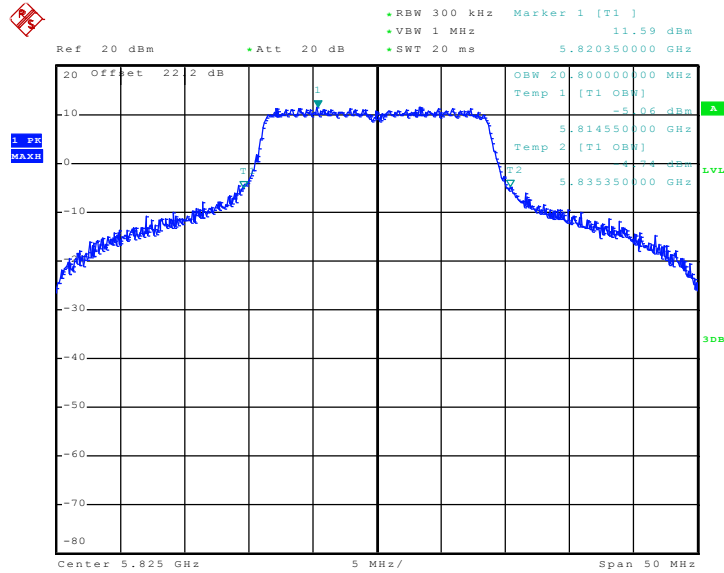
Date: 10.NOV.2010 03:08:58

**99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel 165 - Chain B**



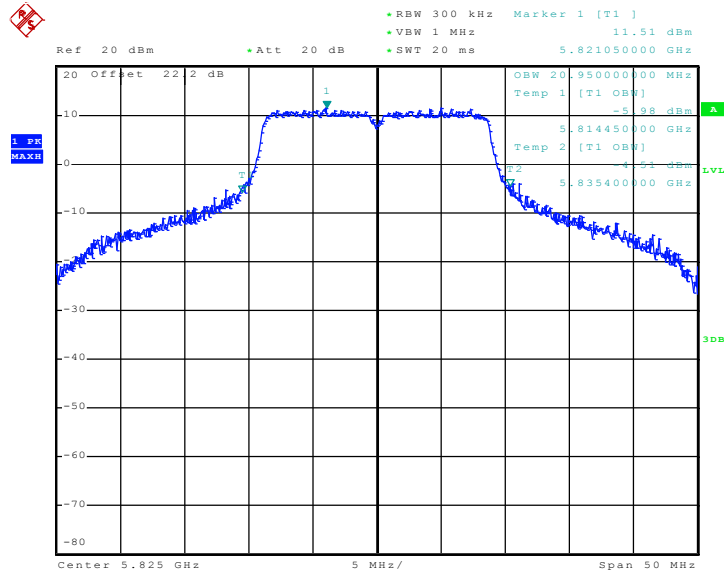
Date: 10.NOV.2010 02:54:48

**99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel 165 - Chain A+B(A)**



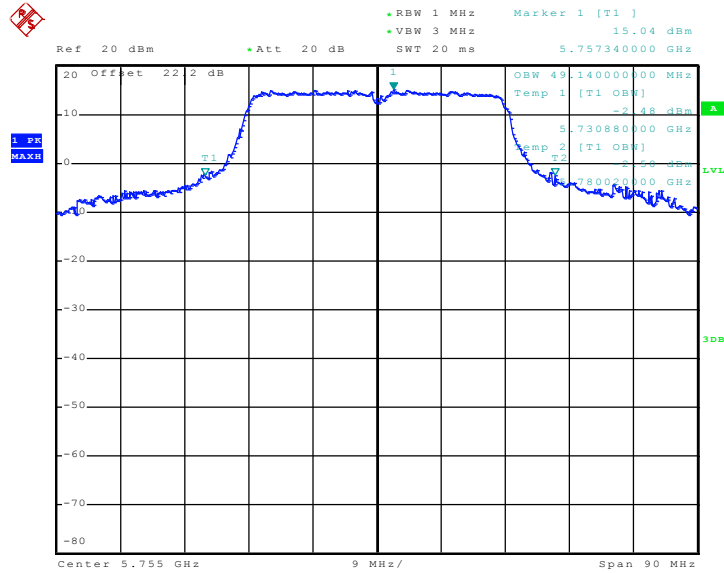
Date: 17.NOV.2010 10:02:56

**99% Occupied Bandwidth Plot on 802.11n (BW 20MHz) Channel 165 - Chain A+B(B)**



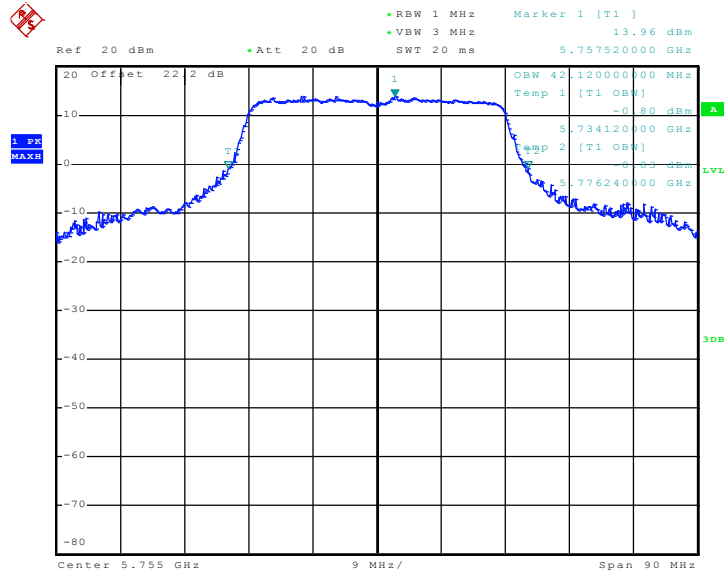
Date: 17.NOV.2010 09:04:45

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 151 - Chain A



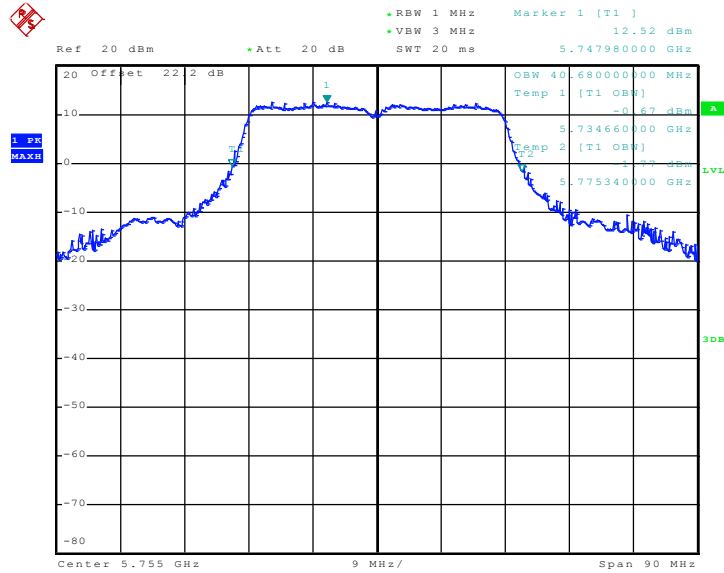
Date: 12.JAN.2011 21:34:08

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 151 - Chain B



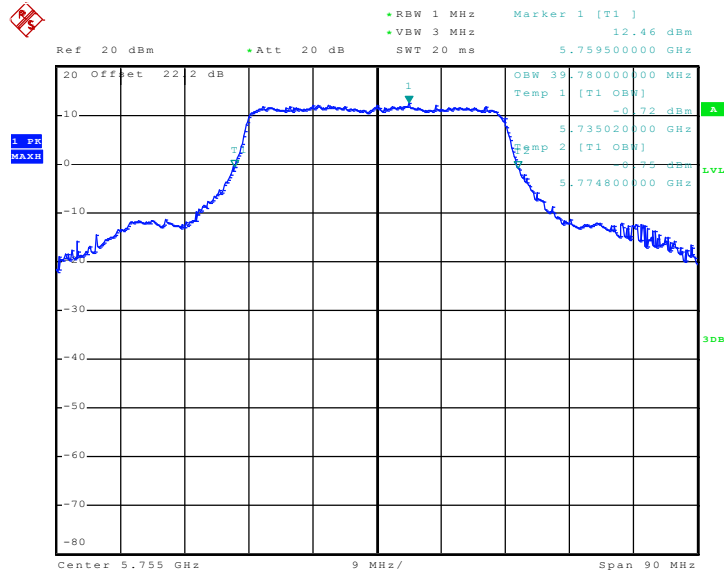
Date: 12.JAN.2011 21:27:59

**99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 151 - Chain A+B(A)**



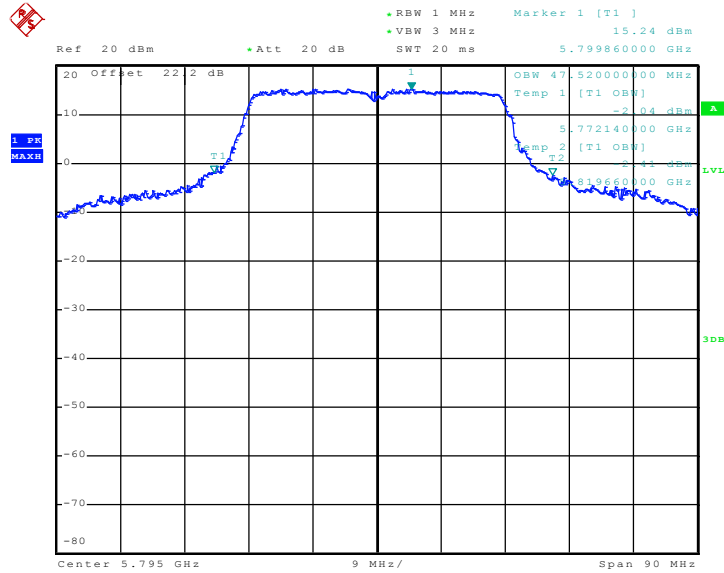
Date: 12.JAN.2011 21:38:37

**99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 151 - Chain A+B(B)**



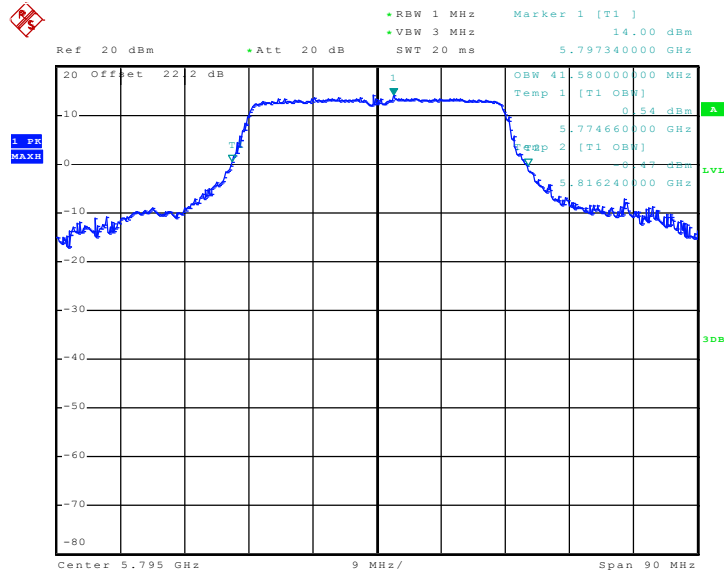
Date: 12.JAN.2011 21:41:59

**99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel  
159 - Chain A**



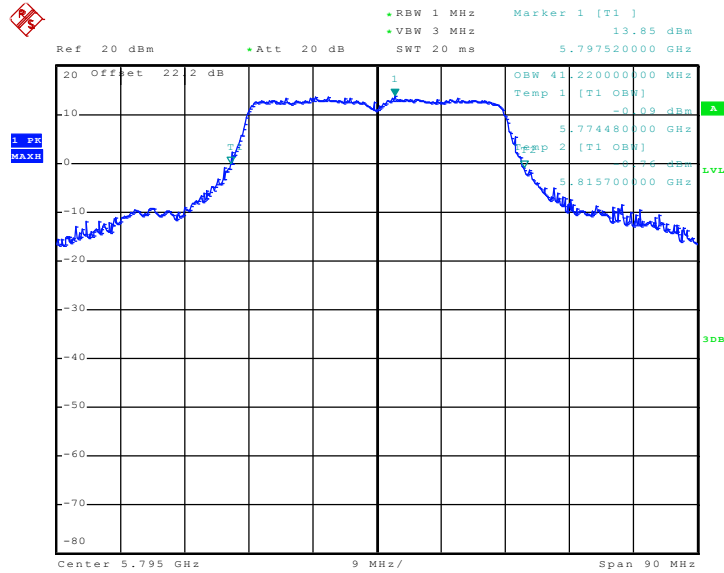
Date: 12.JAN.2011 21:32:29

**99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel  
159 - Chain B**



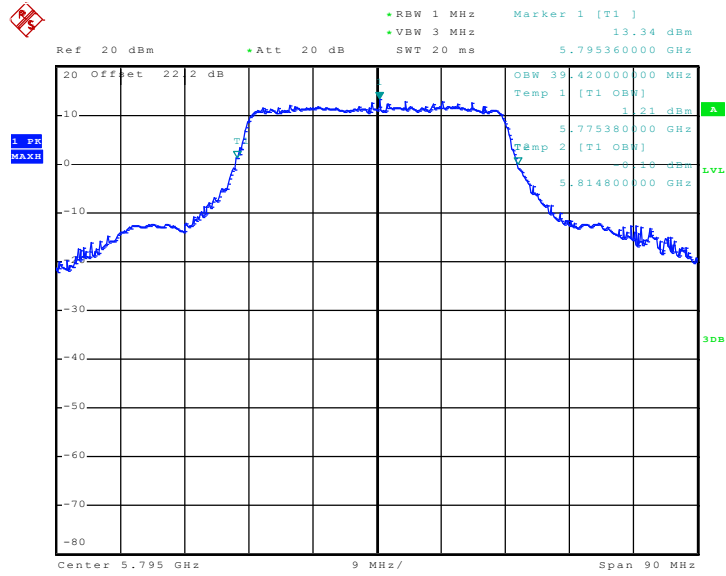
Date: 12.JAN.2011 21:28:58

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 159 - Chain A+B(A)



Date: 12.JAN.2011 21:39:28

99% Occupied Bandwidth Plot on 802.11n (BW 40MHz) Channel 159 - Chain A+B(B)



Date: 12.JAN.2011 21:41:00



## 3.2 Output Power Measurement

### 3.2.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5MHz and 5725-5850MHz, the limit for peak output power is 30dBm. If transmitting antenna of directional gain greater than 6dBi are used the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

### 3.2.2 Measuring Instruments

See list of measuring instruments of this test report.

### 3.2.3 Test Procedures

1. The testing follows FCC KDB Publication No. 558074 (Measurement Guidelines of DTS).
2. The RF output of EUT was connected to the power meter by a low loss cable.
3. Power sensor will link with the power meter before we start the testing. We will check the zero and calibration of power sensor and make sure the correction factor of power meter and power sensor. The path Loss in 2400~2483.5MHz is 19.5dB and in 5725~5850MHz is 22.2dB.
4. Measure the power by power meter and power sensor (Peak and Average).
5. The cable loss (0.5 dB) and attenuator loss (19 dB) are normalized / entered in to the power meter as an offset as below examples,
  - (1) For SISO mode,  
<Antenna 1 for 4.5V>: For 802.11b Channel 01 Chain A, the final power in test report is 26.29 dBm which is the reading of Power Meter with offsetted cable loss (0.5 dB), and attenuator loss (19 dB).



(2) For MIMO mode, each chain was measured individually and calculated with the formula of  $10 \cdot \text{LOG} (10^{\text{chain A}/10} + 10^{\text{chain B}/10})$ .

<Antenna 1 for 4.5V>: For 802.11b Channel 01 Chain A+B: the total final power is 26.61 dBm from the formula of  $10 \cdot \text{LOG} (10^{(23.60 \text{ dBm}/10)} + 10^{(23.59 \text{ dBm}/10)})$ .

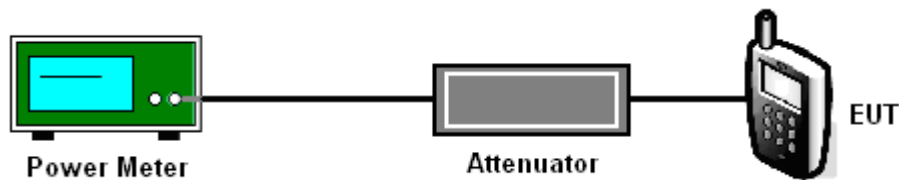
(a) Conducted Output Power on 802.11b Channel 01 - Chain A+B (A): 23.60 dBm

(b) Conducted Output Power on 802.11b Channel 01 - Chain A+B (B): 23.59 dBm.

All results has already offseted with cable loss (0.5 dB), and attenuator loss (19 dB).

6. When the radio transmitter enables both transmit chains, the power on each chain is reduced below when only chain A or chain B is enabled.

### 3.2.4 Test Setup





3.2.5 Test Result of Output Power

<Antenna 1 for 4.5V>

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 1         | 24            | 23.46  | 26.29 | 30                | Pass      |
| 02      | 2417            | 1         | 24            | 24.00  | 26.05 | 30                | Pass      |
| 06      | 2437            | 1         | 25.5          | 25.57  | 27.81 | 30                | Pass      |
| 10      | 2457            | 1         | 25            | 24.67  | 27.11 | 30                | Pass      |
| 11      | 2462            | 1         | 24            | 24.86  | 27.62 | 30                | Pass      |

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 1         | 22            | 21.63  | 24.02 | 30                | Pass      |
| 02      | 2417            | 1         | 22.5          | 21.77  | 24.22 | 30                | Pass      |
| 06      | 2437            | 1         | 25.5          | 25.27  | 27.80 | 30                | Pass      |
| 10      | 2457            | 1         | 24            | 23.61  | 25.98 | 30                | Pass      |
| 11      | 2462            | 1         | 23.5          | 22.91  | 25.41 | 30                | Pass      |

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | 1         | 21.5          | 21.00  | 21.22   | 24.12       | 23.60   | 23.59   | 26.61       | 30                | Pass      |
| 02      | 2417            | 1         | 21.5          | 21.01  | 21.03   | 24.03       | 23.45   | 23.48   | 26.48       | 30                | Pass      |
| 06      | 2437            | 1         | 25            | 24.56  | 24.11   | 27.35       | 27.10   | 26.56   | 29.85       | 30                | Pass      |
| 10      | 2457            | 1         | 23            | 22.61  | 22.45   | 25.54       | 25.15   | 25.04   | 28.11       | 30                | Pass      |
| 11      | 2462            | 1         | 22            | 21.70  | 21.50   | 24.61       | 24.10   | 24.05   | 27.09       | 30                | Pass      |



|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11g (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 6         | 18            | 17.79  | 28.37 | 30                | Pass      |
| 02      | 2417            | 6         | 20            | 19.68  | 29.77 | 30                | Pass      |
| 06      | 2437            | 6         | 21            | 20.62  | 29.97 | 30                | Pass      |
| 10      | 2457            | 6         | 20.5          | 20.13  | 29.90 | 30                | Pass      |
| 11      | 2462            | 6         | 18.5          | 18.24  | 28.85 | 30                | Pass      |

|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11g (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 6         | 18            | 18.19  | 28.26 | 30                | Pass      |
| 02      | 2417            | 6         | 20.5          | 20.16  | 29.89 | 30                | Pass      |
| 06      | 2437            | 6         | 21            | 20.58  | 29.95 | 30                | Pass      |
| 10      | 2457            | 6         | 20.5          | 20.71  | 29.82 | 30                | Pass      |
| 11      | 2462            | 6         | 17            | 17.58  | 27.81 | 30                | Pass      |

|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11g (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | 6         | 17            | 16.75  | 17.24   | 20.10       | 26.47   | 27.26   | 29.89       | 30                | Pass      |
| 02      | 2417            | 6         | 17            | 16.87  | 16.51   | 19.70       | 26.85   | 26.71   | 29.79       | 30                | Pass      |
| 06      | 2437            | 6         | 17            | 16.73  | 16.21   | 19.49       | 26.92   | 26.68   | 29.81       | 30                | Pass      |
| 10      | 2457            | 6         | 17            | 16.93  | 17.08   | 20.02       | 26.79   | 26.75   | 29.78       | 30                | Pass      |
| 11      | 2462            | 6         | 15.5          | 16.16  | 15.67   | 18.93       | 26.43   | 25.33   | 28.93       | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | MCS0      | 18            | 17.68  | 28.70 | 30                | Pass      |
| 02      | 2417            | MCS0      | 19.5          | 18.88  | 29.32 | 30                | Pass      |
| 06      | 2437            | MCS0      | 20.5          | 19.81  | 29.77 | 30                | Pass      |
| 10      | 2457            | MCS0      | 20.5          | 20.10  | 29.94 | 30                | Pass      |
| 11      | 2462            | MCS0      | 17.5          | 17.47  | 28.16 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | MCS0      | 18            | 18.22  | 28.82 | 30                | Pass      |
| 02      | 2417            | MCS0      | 20.5          | 20.19  | 29.90 | 30                | Pass      |
| 06      | 2437            | MCS0      | 20.5          | 20.15  | 29.93 | 30                | Pass      |
| 10      | 2457            | MCS0      | 20            | 20.33  | 29.97 | 30                | Pass      |
| 11      | 2462            | MCS0      | 15.5          | 15.41  | 26.08 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | MCS8      | 13            | 13.70  | 14.90   | 17.35       | 24.39   | 25.27   | 27.86       | 30                | Pass      |
| 02      | 2417            | MCS8      | 16.5          | 16.68  | 16.25   | 19.48       | 27.00   | 26.44   | 29.74       | 30                | Pass      |
| 06      | 2437            | MCS8      | 16.5          | 16.77  | 16.26   | 19.53       | 27.10   | 26.47   | 29.81       | 30                | Pass      |
| 10      | 2457            | MCS8      | 16.5          | 16.20  | 16.49   | 19.36       | 27.00   | 26.73   | 29.88       | 30                | Pass      |
| 11      | 2462            | MCS8      | 16.5          | 16.11  | 16.28   | 19.21       | 26.96   | 26.90   | 29.94       | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 16-22 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 40MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 03      | 2422            | MCS0      | 12.5          | 12.68  | 24.46 | 30                | Pass      |
| 04      | 2427            | MCS0      | 14            | 14.52  | 26.41 | 30                | Pass      |
| 05      | 2432            | MCS0      | 16.5          | 16.74  | 28.52 | 30                | Pass      |
| 06      | 2437            | MCS0      | 17.5          | 17.50  | 29.27 | 30                | Pass      |
| 07      | 2442            | MCS0      | 19            | 19.08  | 29.85 | 30                | Pass      |
| 08      | 2447            | MCS0      | 16.5          | 16.22  | 27.79 | 30                | Pass      |
| 09      | 2452            | MCS0      | 14            | 14.74  | 26.94 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 16-22 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 40MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 03      | 2422            | MCS0      | 12            | 13.30  | 23.54 | 30                | Pass      |
| 04      | 2427            | MCS0      | 13.5          | 14.33  | 24.69 | 30                | Pass      |
| 05      | 2432            | MCS0      | 16.5          | 15.93  | 26.30 | 30                | Pass      |
| 06      | 2437            | MCS0      | 18.5          | 18.14  | 28.29 | 30                | Pass      |
| 07      | 2442            | MCS0      | 18            | 17.56  | 28.02 | 30                | Pass      |
| 08      | 2447            | MCS0      | 16.5          | 15.77  | 26.22 | 30                | Pass      |
| 09      | 2452            | MCS0      | 12.5          | 12.83  | 22.41 | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 16~22 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 03      | 2422            | MCS8      | 10.5          | 10.49  | 12.36   | 14.54       | 21.11   | 22.39   | 24.81       | 30                | Pass      |
| 04      | 2427            | MCS8      | 12            | 12.35  | 13.47   | 15.96       | 22.63   | 23.03   | 25.84       | 30                | Pass      |
| 05      | 2432            | MCS8      | 13.5          | 14.37  | 14.43   | 17.41       | 24.64   | 24.71   | 27.69       | 30                | Pass      |
| 06      | 2437            | MCS8      | 16            | 16.23  | 15.98   | 19.12       | 26.88   | 27.01   | 29.96       | 30                | Pass      |
| 07      | 2442            | MCS8      | 17            | 17.60  | 16.81   | 20.23       | 27.19   | 26.61   | 29.92       | 30                | Pass      |
| 08      | 2447            | MCS8      | 16.5          | 16.30  | 16.09   | 19.21       | 27.03   | 26.46   | 29.76       | 30                | Pass      |
| 09      | 2452            | MCS8      | 13.5          | 14.41  | 14.15   | 17.29       | 24.58   | 24.73   | 27.67       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | 6         | 22            | 22.95  | 27.50 | 30                | Pass      |
| 157     | 5785            | 6         | 22            | 22.72  | 27.46 | 30                | Pass      |
| 165     | 5825            | 6         | 22            | 22.28  | 27.34 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | 6         | 22            | 22.56  | 27.38 | 30                | Pass      |
| 157     | 5785            | 6         | 22            | 22.64  | 27.34 | 30                | Pass      |
| 165     | 5825            | 6         | 22            | 22.63  | 27.27 | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 149     | 5745            | 6         | 19            | 20.10  | 19.74   | 22.93       | 27.04   | 26.63   | 29.85       | 30                | Pass      |
| 157     | 5785            | 6         | 19.5          | 20.51  | 20.10   | 23.32       | 26.93   | 26.52   | 29.74       | 30                | Pass      |
| 165     | 5825            | 6         | 20            | 20.58  | 20.52   | 23.56       | 27.00   | 26.64   | 29.83       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | MCS0      | 22.5          | 23.41  | 27.66 | 30                | Pass      |
| 157     | 5785            | MCS0      | 22.5          | 23.23  | 27.66 | 30                | Pass      |
| 165     | 5825            | MCS0      | 22.5          | 22.21  | 27.37 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | MCS0      | 22.5          | 23.36  | 27.59 | 30                | Pass      |
| 157     | 5785            | MCS0      | 22.5          | 23.04  | 27.48 | 30                | Pass      |
| 165     | 5825            | MCS0      | 22.5          | 23.37  | 27.37 | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 149     | 5745            | MCS8      | 20.5          | 19.07  | 18.63   | 21.87       | 26.93   | 26.57   | 29.76       | 30                | Pass      |
| 157     | 5785            | MCS8      | 22.0          | 19.61  | 19.27   | 22.45       | 26.85   | 26.47   | 29.67       | 30                | Pass      |
| 165     | 5825            | MCS8      | 22.0          | 20.63  | 20.21   | 23.44       | 26.91   | 26.50   | 29.72       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 151     | 5755            | MCS0      | 22.5          | 23.25  | 27.52 | 30                | Pass      |
| 159     | 5795            | MCS0      | 22.5          | 22.98  | 27.61 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 151     | 5755            | MCS0      | 22.5          | 23.19  | 27.38 | 30                | Pass      |
| 159     | 5795            | MCS0      | 22.5          | 23.08  | 27.22 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 151     | 5755            | MCS8      | 18.5          | 19.15  | 19.21   | 22.19       | 26.80   | 26.74   | 29.78       | 30                | Pass      |
| 159     | 5795            | MCS8      | 19.5          | 20.55  | 20.06   | 23.32       | 27.12   | 26.78   | 29.96       | 30                | Pass      |





<Antenna 1 for 3.3V>

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 1         | 24.5          | 23.22  | 25.57 | 30                | Pass      |
| 02      | 2417            | 1         | 25            | 23.92  | 26.25 | 30                | Pass      |
| 06      | 2437            | 1         | 25.5          | 24.69  | 26.74 | 30                | Pass      |
| 10      | 2457            | 1         | 26            | 24.62  | 26.68 | 30                | Pass      |
| 11      | 2462            | 1         | 26            | 24.75  | 26.87 | 30                | Pass      |

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 1         | 22.5          | 21.62  | 23.84 | 30                | Pass      |
| 02      | 2417            | 1         | 23            | 21.67  | 24.32 | 30                | Pass      |
| 06      | 2437            | 1         | 25.5          | 24.70  | 26.75 | 30                | Pass      |
| 10      | 2457            | 1         | 24.5          | 23.36  | 25.70 | 30                | Pass      |
| 11      | 2462            | 1         | 24            | 23.00  | 25.29 | 30                | Pass      |

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | 1         | 22            | 21.00  | 21.18   | 24.10       | 23.50   | 23.38   | 26.45       | 30                | Pass      |
| 02      | 2417            | 1         | 22            | 21.00  | 20.95   | 23.99       | 23.40   | 23.42   | 26.42       | 30                | Pass      |
| 06      | 2437            | 1         | 25.5          | 24.58  | 24.04   | 27.33       | 26.57   | 26.42   | 29.51       | 30                | Pass      |
| 10      | 2457            | 1         | 23.5          | 22.47  | 22.24   | 25.37       | 24.12   | 24.65   | 27.40       | 30                | Pass      |
| 11      | 2462            | 1         | 22.5          | 21.51  | 21.64   | 24.59       | 24.06   | 23.90   | 26.99       | 30                | Pass      |



|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11g (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 6         | 18.5          | 17.63  | 27.78 | 30                | Pass      |
| 02      | 2417            | 6         | 20.5          | 19.64  | 28.36 | 30                | Pass      |
| 06      | 2437            | 6         | 21.5          | 20.50  | 28.77 | 30                | Pass      |
| 10      | 2457            | 6         | 21            | 20.08  | 28.57 | 30                | Pass      |
| 11      | 2462            | 6         | 18.5          | 18.22  | 27.79 | 30                | Pass      |

|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11g (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 6         | 18.5          | 18.16  | 27.63 | 30                | Pass      |
| 02      | 2417            | 6         | 21.5          | 20.12  | 28.40 | 30                | Pass      |
| 06      | 2437            | 6         | 21.5          | 20.52  | 28.65 | 30                | Pass      |
| 10      | 2457            | 6         | 21            | 20.54  | 28.43 | 30                | Pass      |
| 11      | 2462            | 6         | 18            | 17.54  | 27.27 | 30                | Pass      |

|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11g (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | 6         | 17.5          | 16.65  | 17.15   | 19.92       | 26.68   | 27.13   | 29.92       | 30                | Pass      |
| 02      | 2417            | 6         | 17.5          | 16.72  | 16.21   | 19.48       | 26.70   | 26.66   | 29.69       | 30                | Pass      |
| 06      | 2437            | 6         | 17            | 16.68  | 16.13   | 19.42       | 26.67   | 26.63   | 29.66       | 30                | Pass      |
| 10      | 2457            | 6         | 17.5          | 16.84  | 17.02   | 19.94       | 26.51   | 27.13   | 29.84       | 30                | Pass      |
| 11      | 2462            | 6         | 16            | 15.52  | 15.22   | 18.38       | 25.36   | 25.13   | 28.26       | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | MCS0      | 19            | 17.57  | 27.20 | 30                | Pass      |
| 02      | 2417            | MCS0      | 20            | 18.81  | 28.02 | 30                | Pass      |
| 06      | 2437            | MCS0      | 21            | 19.71  | 28.51 | 30                | Pass      |
| 10      | 2457            | MCS0      | 21            | 19.90  | 28.65 | 30                | Pass      |
| 11      | 2462            | MCS0      | 18            | 17.19  | 27.08 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | MCS0      | 19            | 18.11  | 27.44 | 30                | Pass      |
| 02      | 2417            | MCS0      | 20.5          | 20.10  | 28.34 | 30                | Pass      |
| 06      | 2437            | MCS0      | 21            | 20.00  | 28.45 | 30                | Pass      |
| 10      | 2457            | MCS0      | 21            | 20.26  | 28.77 | 30                | Pass      |
| 11      | 2462            | MCS0      | 15.5          | 15.12  | 25.72 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | MCS8      | 13.5          | 13.51  | 14.40   | 16.99       | 24.29   | 25.03   | 27.69       | 30                | Pass      |
| 02      | 2417            | MCS8      | 17            | 16.42  | 16.03   | 19.24       | 26.41   | 26.23   | 29.33       | 30                | Pass      |
| 06      | 2437            | MCS8      | 17.5          | 16.61  | 16.17   | 19.41       | 27.02   | 26.17   | 29.63       | 30                | Pass      |
| 10      | 2457            | MCS8      | 17            | 16.15  | 16.30   | 19.24       | 26.39   | 26.45   | 29.43       | 30                | Pass      |
| 11      | 2462            | MCS8      | 16.5          | 15.93  | 16.26   | 19.11       | 26.48   | 26.47   | 29.49       | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 16-22 | Temperature :       | 25-27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51-54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 40MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 03      | 2422            | MCS0      | 13            | 12.67  | 24.34 | 30                | Pass      |
| 04      | 2427            | MCS0      | 14.5          | 14.41  | 26.10 | 30                | Pass      |
| 05      | 2432            | MCS0      | 17            | 16.57  | 27.08 | 30                | Pass      |
| 06      | 2437            | MCS0      | 18            | 17.32  | 27.96 | 30                | Pass      |
| 07      | 2442            | MCS0      | 19.5          | 18.77  | 28.32 | 30                | Pass      |
| 08      | 2447            | MCS0      | 17            | 16.04  | 26.79 | 30                | Pass      |
| 09      | 2452            | MCS0      | 14.5          | 14.64  | 25.86 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 16-22 | Temperature :       | 25-27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51-54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 40MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 03      | 2422            | MCS0      | 12.5          | 13.18  | 24.35 | 30                | Pass      |
| 04      | 2427            | MCS0      | 14            | 14.17  | 24.46 | 30                | Pass      |
| 05      | 2432            | MCS0      | 17            | 15.86  | 26.69 | 30                | Pass      |
| 06      | 2437            | MCS0      | 19            | 18.11  | 28.18 | 30                | Pass      |
| 07      | 2442            | MCS0      | 18.5          | 17.47  | 27.86 | 30                | Pass      |
| 08      | 2447            | MCS0      | 16.5          | 15.71  | 26.43 | 30                | Pass      |
| 09      | 2452            | MCS0      | 13            | 12.79  | 24.27 | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 16~22 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 03      | 2422            | MCS8      | 11            | 10.15  | 12.03   | 14.20       | 21.37   | 23.97   | 25.87       | 30                | Pass      |
| 04      | 2427            | MCS8      | 12.5          | 12.17  | 13.36   | 15.82       | 24.05   | 25.17   | 27.66       | 30                | Pass      |
| 05      | 2432            | MCS8      | 14            | 14.34  | 14.13   | 17.25       | 25.73   | 25.24   | 28.50       | 30                | Pass      |
| 06      | 2437            | MCS8      | 16.5          | 16.14  | 15.56   | 18.87       | 27.03   | 26.82   | 29.94       | 30                | Pass      |
| 07      | 2442            | MCS8      | 17            | 17.03  | 16.51   | 19.79       | 27.03   | 26.73   | 29.89       | 30                | Pass      |
| 08      | 2447            | MCS8      | 17            | 16.17  | 16.02   | 19.11       | 26.73   | 26.66   | 29.71       | 30                | Pass      |
| 09      | 2452            | MCS8      | 14            | 14.26  | 14.02   | 17.15       | 25.62   | 25.45   | 28.55       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | 6         | 20.5          | 20.47  | 25.68 | 30                | Pass      |
| 157     | 5785            | 6         | 20.5          | 20.57  | 25.81 | 30                | Pass      |
| 165     | 5825            | 6         | 20.5          | 20.48  | 25.77 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | 6         | 20.5          | 20.03  | 25.50 | 30                | Pass      |
| 157     | 5785            | 6         | 21            | 20.21  | 25.75 | 30                | Pass      |
| 165     | 5825            | 6         | 21            | 20.37  | 25.73 | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 149     | 5745            | 6         | 20.5          | 20.13  | 19.64   | 22.90       | 25.40   | 25.29   | 28.36       | 30                | Pass      |
| 157     | 5785            | 6         | 20.5          | 20.31  | 19.80   | 23.07       | 25.42   | 25.26   | 28.35       | 30                | Pass      |
| 165     | 5825            | 6         | 20.5          | 20.61  | 20.44   | 23.54       | 25.45   | 25.30   | 28.39       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | MCS0      | 20.5          | 20.33  | 25.76 | 30                | Pass      |
| 157     | 5785            | MCS0      | 20.5          | 20.48  | 25.83 | 30                | Pass      |
| 165     | 5825            | MCS0      | 20            | 20.14  | 25.73 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | MCS0      | 21            | 20.68  | 25.96 | 30                | Pass      |
| 157     | 5785            | MCS0      | 21            | 20.36  | 25.88 | 30                | Pass      |
| 165     | 5825            | MCS0      | 21            | 20.71  | 25.93 | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 149     | 5745            | MSC8      | 19            | 19.08  | 18.60   | 21.86       | 25.32   | 25.04   | 28.19       | 30                | Pass      |
| 157     | 5785            | MSC8      | 19.5          | 19.44  | 19.12   | 22.29       | 25.49   | 25.14   | 28.33       | 30                | Pass      |
| 165     | 5825            | MSC8      | 20.5          | 20.23  | 19.93   | 23.09       | 25.35   | 25.25   | 28.31       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 151     | 5755            | MSC0      | 20.5          | 20.21  | 25.67 | 30                | Pass      |
| 159     | 5795            | MSC0      | 20.5          | 20.28  | 25.85 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 151     | 5755            | MSC0      | 21            | 20.59  | 25.83 | 30                | Pass      |
| 159     | 5795            | MSC0      | 21            | 20.55  | 25.85 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 151     | 5755            | MSC8      | 19            | 19.14  | 18.86   | 22.01       | 25.31   | 25.30   | 28.32       | 30                | Pass      |
| 159     | 5795            | MSC8      | 20.5          | 20.36  | 19.84   | 23.12       | 25.53   | 25.37   | 28.46       | 30                | Pass      |



<Antenna 2 for 4.5V>

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 1         | 20            | 20.22  | 21.96 | 30                | Pass      |
| 02      | 2417            | 1         | 22            | 21.78  | 24.02 | 30                | Pass      |
| 06      | 2437            | 1         | 25.5          | 25.10  | 27.43 | 30                | Pass      |
| 10      | 2457            | 1         | 23            | 22.35  | 24.30 | 30                | Pass      |
| 11      | 2462            | 1         | 23.5          | 23.15  | 25.38 | 30                | Pass      |

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 1         | 20            | 20.07  | 22.49 | 30                | Pass      |
| 02      | 2417            | 1         | 21.5          | 21.37  | 24.04 | 30                | Pass      |
| 06      | 2437            | 1         | 26.5          | 26.62  | 28.70 | 30                | Pass      |
| 10      | 2457            | 1         | 24            | 22.56  | 24.73 | 30                | Pass      |
| 11      | 2462            | 1         | 23            | 22.86  | 25.05 | 30                | Pass      |

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | 1         | 18.5          | 17.58  | 17.65   | 20.63       | 19.77   | 20.06   | 22.93       | 30                | Pass      |
| 02      | 2417            | 1         | 19            | 18.12  | 17.88   | 21.01       | 20.45   | 20.37   | 23.42       | 30                | Pass      |
| 06      | 2437            | 1         | 24            | 23.10  | 22.46   | 25.80       | 25.23   | 24.75   | 28.01       | 30                | Pass      |
| 10      | 2457            | 1         | 22.5          | 21.65  | 21.39   | 24.53       | 23.87   | 23.79   | 26.84       | 30                | Pass      |
| 11      | 2462            | 1         | 22            | 21.43  | 20.92   | 24.19       | 23.64   | 23.27   | 26.47       | 30                | Pass      |





|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11g (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 6         | 15            | 14.62  | 24.76 | 30                | Pass      |
| 02      | 2417            | 6         | 19            | 18.06  | 27.59 | 30                | Pass      |
| 06      | 2437            | 6         | 20.5          | 19.39  | 28.36 | 30                | Pass      |
| 10      | 2457            | 6         | 20.5          | 19.35  | 28.07 | 30                | Pass      |
| 11      | 2462            | 6         | 14.5          | 14.41  | 24.57 | 30                | Pass      |

|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11g (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 6         | 14.5          | 15.14  | 25.17 | 30                | Pass      |
| 02      | 2417            | 6         | 19            | 17.98  | 27.22 | 30                | Pass      |
| 06      | 2437            | 6         | 21.5          | 20.35  | 28.27 | 30                | Pass      |
| 10      | 2457            | 6         | 20            | 19.30  | 28.02 | 30                | Pass      |
| 11      | 2462            | 6         | 14.5          | 14.07  | 24.70 | 30                | Pass      |

|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11g (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | 6         | 11.5          | 11.40  | 13.20   | 15.40       | 21.76   | 23.48   | 25.71       | 30                | Pass      |
| 02      | 2417            | 6         | 17.5          | 17.14  | 16.58   | 19.88       | 27.01   | 26.44   | 29.74       | 30                | Pass      |
| 06      | 2437            | 6         | 18            | 17.68  | 17.29   | 20.50       | 26.73   | 26.86   | 29.81       | 30                | Pass      |
| 10      | 2457            | 6         | 17.5          | 17.15  | 17.22   | 20.20       | 26.36   | 26.85   | 29.62       | 30                | Pass      |
| 11      | 2462            | 6         | 13.5          | 13.65  | 13.54   | 16.61       | 23.91   | 24.32   | 27.13       | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | MCS0      | 14            | 14.31  | 24.81 | 30                | Pass      |
| 02      | 2417            | MCS0      | 19.5          | 18.58  | 28.02 | 30                | Pass      |
| 06      | 2437            | MCS0      | 20.5          | 19.14  | 28.30 | 30                | Pass      |
| 10      | 2457            | MCS0      | 20.5          | 19.31  | 28.29 | 30                | Pass      |
| 11      | 2462            | MCS0      | 14            | 14.02  | 24.82 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | MCS0      | 14            | 15.04  | 25.16 | 30                | Pass      |
| 02      | 2417            | MCS0      | 19            | 17.94  | 27.16 | 30                | Pass      |
| 06      | 2437            | MCS0      | 21.5          | 20.46  | 28.56 | 30                | Pass      |
| 10      | 2457            | MCS0      | 20            | 19.41  | 28.26 | 30                | Pass      |
| 11      | 2462            | MCS0      | 14            | 13.82  | 24.27 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | MCS8      | 13.5          | 14.54  | 14.57   | 17.57       | 24.83   | 25.07   | 27.96       | 30                | Pass      |
| 02      | 2417            | MCS8      | 17            | 16.18  | 16.35   | 19.28       | 26.92   | 26.07   | 29.53       | 30                | Pass      |
| 06      | 2437            | MCS8      | 17.5          | 17.24  | 16.27   | 19.79       | 27.11   | 26.65   | 29.90       | 30                | Pass      |
| 10      | 2457            | MCS8      | 17.5          | 16.77  | 16.93   | 19.86       | 27.03   | 26.80   | 29.93       | 30                | Pass      |
| 11      | 2462            | MCS8      | 13            | 13.28  | 12.71   | 16.01       | 23.88   | 23.65   | 26.78       | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 16-22 | Temperature :       | 25-27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51-54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 40MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 03      | 2422            | MCS0      | 9             | 9.20   | 19.23 | 30                | Pass      |
| 04      | 2427            | MCS0      | 12.5          | 12.11  | 24.12 | 30                | Pass      |
| 05      | 2432            | MCS0      | 14            | 14.47  | 25.94 | 30                | Pass      |
| 06      | 2437            | MCS0      | 15.5          | 15.51  | 26.73 | 30                | Pass      |
| 07      | 2442            | MCS0      | 13.5          | 13.72  | 25.48 | 30                | Pass      |
| 08      | 2447            | MCS0      | 13.5          | 13.51  | 24.16 | 30                | Pass      |
| 09      | 2452            | MCS0      | 10.5          | 9.88   | 20.32 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 16-22 | Temperature :       | 25-27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51-54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 40MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 03      | 2422            | MCS0      | 9             | 9.31   | 23.20 | 30                | Pass      |
| 04      | 2427            | MCS0      | 12            | 13.58  | 24.78 | 30                | Pass      |
| 05      | 2432            | MCS0      | 14            | 14.76  | 26.64 | 30                | Pass      |
| 06      | 2437            | MCS0      | 16.5          | 16.38  | 27.63 | 30                | Pass      |
| 07      | 2442            | MCS0      | 14.5          | 15.08  | 26.79 | 30                | Pass      |
| 08      | 2447            | MCS0      | 13            | 13.67  | 25.00 | 30                | Pass      |
| 09      | 2452            | MCS0      | 10.5          | 10.23  | 20.71 | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 16~22 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 03      | 2422            | MCS8      | 6             | 9.37   | 7.03    | 11.37       | 21.86   | 19.13   | 23.72       | 30                | Pass      |
| 04      | 2427            | MCS8      | 10            | 10.12  | 11.85   | 14.08       | 21.79   | 23.07   | 25.49       | 30                | Pass      |
| 05      | 2432            | MCS8      | 13            | 13.65  | 14.03   | 16.85       | 25.33   | 26.06   | 28.72       | 30                | Pass      |
| 06      | 2437            | MCS8      | 14            | 14.88  | 14.66   | 17.78       | 26.71   | 26.51   | 29.62       | 30                | Pass      |
| 07      | 2442            | MCS8      | 12            | 12.65  | 12.49   | 15.58       | 24.51   | 24.57   | 27.55       | 30                | Pass      |
| 08      | 2447            | MCS8      | 11            | 11.31  | 11.32   | 14.33       | 24.08   | 23.01   | 26.59       | 30                | Pass      |
| 09      | 2452            | MCS8      | 5.5           | 6.07   | 8.14    | 10.24       | 18.02   | 19.56   | 21.87       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | 6         | 22            | 22.95  | 27.50 | 30                | Pass      |
| 157     | 5785            | 6         | 22            | 22.72  | 27.46 | 30                | Pass      |
| 165     | 5825            | 6         | 22            | 22.28  | 27.34 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | 6         | 22            | 22.56  | 27.38 | 30                | Pass      |
| 157     | 5785            | 6         | 22            | 22.64  | 27.34 | 30                | Pass      |
| 165     | 5825            | 6         | 22            | 22.63  | 27.27 | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 149     | 5745            | 6         | 19            | 20.10  | 19.74   | 22.93       | 27.04   | 26.63   | 29.85       | 30                | Pass      |
| 157     | 5785            | 6         | 19.5          | 20.51  | 20.10   | 23.32       | 26.93   | 26.52   | 29.74       | 30                | Pass      |
| 165     | 5825            | 6         | 20            | 20.58  | 20.52   | 23.56       | 27.00   | 26.64   | 29.83       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | MCS0      | 22.5          | 23.41  | 27.66 | 30                | Pass      |
| 157     | 5785            | MCS0      | 22.5          | 23.23  | 27.66 | 30                | Pass      |
| 165     | 5825            | MCS0      | 22.5          | 22.21  | 27.37 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | MCS0      | 22.5          | 23.36  | 27.59 | 30                | Pass      |
| 157     | 5785            | MCS0      | 22.5          | 23.04  | 27.48 | 30                | Pass      |
| 165     | 5825            | MCS0      | 22.5          | 23.37  | 27.37 | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 149     | 5745            | MSC8      | 18            | 19.07  | 18.63   | 21.87       | 26.93   | 26.57   | 29.76       | 30                | Pass      |
| 157     | 5785            | MSC8      | 18.5          | 19.61  | 19.27   | 22.45       | 26.85   | 26.47   | 29.67       | 30                | Pass      |
| 165     | 5825            | MSC8      | 19.5          | 20.63  | 20.21   | 23.44       | 26.91   | 26.50   | 29.72       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 151     | 5755            | MCS0      | 22.5          | 23.25  | 27.52 | 30                | Pass      |
| 159     | 5795            | MCS0      | 22.5          | 22.98  | 27.61 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 151     | 5755            | MCS0      | 21.5          | 22.00  | 27.28 | 30                | Pass      |
| 159     | 5795            | MCS0      | 22.5          | 23.08  | 27.22 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 151     | 5755            | MSC8      | 18.5          | 19.15  | 19.21   | 22.19       | 26.80   | 26.74   | 29.78       | 30                | Pass      |
| 159     | 5795            | MSC8      | 19.5          | 20.55  | 20.06   | 23.32       | 27.12   | 26.78   | 29.96       | 30                | Pass      |



<Antenna 2 for 3.3V>

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 1         | 21.5          | 20.25  | 22.81 | 30                | Pass      |
| 02      | 2417            | 1         | 22.5          | 21.38  | 24.02 | 30                | Pass      |
| 06      | 2437            | 1         | 25.5          | 24.78  | 26.82 | 30                | Pass      |
| 10      | 2457            | 1         | 23.5          | 22.28  | 24.13 | 30                | Pass      |
| 11      | 2462            | 1         | 24            | 23.04  | 25.36 | 30                | Pass      |

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 1         | 20.5          | 20.10  | 22.24 | 30                | Pass      |
| 02      | 2417            | 1         | 22.5          | 21.13  | 23.56 | 30                | Pass      |
| 06      | 2437            | 1         | 25.5          | 24.56  | 26.64 | 30                | Pass      |
| 10      | 2457            | 1         | 24            | 22.55  | 24.78 | 30                | Pass      |
| 11      | 2462            | 1         | 24            | 22.77  | 24.96 | 30                | Pass      |

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | 1         | 18.5          | 17.36  | 17.61   | 20.50       | 19.58   | 19.91   | 22.76       | 30                | Pass      |
| 02      | 2417            | 1         | 19            | 18.00  | 17.82   | 20.92       | 20.11   | 20.02   | 23.08       | 30                | Pass      |
| 06      | 2437            | 1         | 24            | 23.01  | 22.36   | 25.71       | 25.15   | 24.81   | 27.99       | 30                | Pass      |
| 10      | 2457            | 1         | 22.5          | 21.33  | 21.37   | 24.36       | 23.60   | 23.67   | 26.65       | 30                | Pass      |
| 11      | 2462            | 1         | 22            | 21.02  | 20.86   | 23.95       | 23.26   | 23.11   | 26.20       | 30                | Pass      |



|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11g (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 6         | 15.5          | 14.55  | 24.52 | 30                | Pass      |
| 02      | 2417            | 6         | 19            | 18.04  | 27.43 | 30                | Pass      |
| 06      | 2437            | 6         | 21            | 19.32  | 28.25 | 30                | Pass      |
| 10      | 2457            | 6         | 20.5          | 19.13  | 28.03 | 30                | Pass      |
| 11      | 2462            | 6         | 14.5          | 14.33  | 24.47 | 30                | Pass      |

|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11g (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 6         | 14.5          | 15.15  | 25.02 | 30                | Pass      |
| 02      | 2417            | 6         | 19            | 17.86  | 27.20 | 30                | Pass      |
| 06      | 2437            | 6         | 21.5          | 20.33  | 28.18 | 30                | Pass      |
| 10      | 2457            | 6         | 19.5          | 19.03  | 27.92 | 30                | Pass      |
| 11      | 2462            | 6         | 14.5          | 14.03  | 24.42 | 30                | Pass      |

|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11g (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | 6         | 11.5          | 11.36  | 13.07   | 15.31       | 21.43   | 23.26   | 25.45       | 30                | Pass      |
| 02      | 2417            | 6         | 17.5          | 16.77  | 16.44   | 19.62       | 27.02   | 26.32   | 29.69       | 30                | Pass      |
| 06      | 2437            | 6         | 18            | 17.47  | 17.15   | 20.32       | 26.63   | 26.68   | 29.67       | 30                | Pass      |
| 10      | 2457            | 6         | 17.5          | 17.02  | 17.11   | 20.08       | 26.34   | 26.62   | 29.49       | 30                | Pass      |
| 11      | 2462            | 6         | 13.5          | 13.57  | 13.32   | 16.46       | 23.41   | 23.95   | 26.70       | 30                | Pass      |





|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | MCS0      | 14            | 14.25  | 24.48 | 30                | Pass      |
| 02      | 2417            | MCS0      | 19.5          | 18.27  | 27.84 | 30                | Pass      |
| 06      | 2437            | MCS0      | 20.5          | 19.13  | 28.15 | 30                | Pass      |
| 10      | 2457            | MCS0      | 20.5          | 19.26  | 28.21 | 30                | Pass      |
| 11      | 2462            | MCS0      | 14            | 13.76  | 24.38 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | MCS0      | 14.5          | 15.03  | 25.12 | 30                | Pass      |
| 02      | 2417            | MCS0      | 19            | 17.77  | 27.14 | 30                | Pass      |
| 06      | 2437            | MCS0      | 21.5          | 20.33  | 28.46 | 30                | Pass      |
| 10      | 2457            | MCS0      | 20            | 19.30  | 28.19 | 30                | Pass      |
| 11      | 2462            | MCS0      | 14            | 13.74  | 24.02 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | MCS8      | 14            | 14.08  | 14.47   | 17.29       | 24.37   | 25.02   | 27.72       | 30                | Pass      |
| 02      | 2417            | MCS8      | 17            | 16.11  | 16.02   | 19.08       | 26.89   | 25.90   | 29.43       | 30                | Pass      |
| 06      | 2437            | MCS8      | 17.5          | 17.02  | 16.22   | 19.65       | 27.03   | 26.58   | 29.82       | 30                | Pass      |
| 10      | 2457            | MCS8      | 17.5          | 16.65  | 16.84   | 19.76       | 27.08   | 26.64   | 29.88       | 30                | Pass      |
| 11      | 2462            | MCS8      | 13            | 12.92  | 13.03   | 15.99       | 23.56   | 23.64   | 26.61       | 30                | Pass      |



|                        |            |                            |         |
|------------------------|------------|----------------------------|---------|
| <b>Test Mode :</b>     | Mode 16~22 | <b>Temperature :</b>       | 25~27°C |
| <b>Test Engineer :</b> | Ken Hsu    | <b>Relative Humidity :</b> | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 40MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 03      | 2422            | MCS0      | 9             | 8.73   | 19.34 | 30                | Pass      |
| 04      | 2427            | MCS0      | 12.5          | 12.02  | 24.03 | 30                | Pass      |
| 05      | 2432            | MCS0      | 14.5          | 14.32  | 25.83 | 30                | Pass      |
| 06      | 2437            | MCS0      | 15.5          | 15.43  | 26.60 | 30                | Pass      |
| 07      | 2442            | MCS0      | 13.5          | 13.62  | 25.32 | 30                | Pass      |
| 08      | 2447            | MCS0      | 13.5          | 13.46  | 24.34 | 30                | Pass      |
| 09      | 2452            | MCS0      | 10.5          | 9.53   | 20.23 | 30                | Pass      |

|                        |            |                            |         |
|------------------------|------------|----------------------------|---------|
| <b>Test Mode :</b>     | Mode 16~22 | <b>Temperature :</b>       | 25~27°C |
| <b>Test Engineer :</b> | Ken Hsu    | <b>Relative Humidity :</b> | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 40MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 03      | 2422            | MCS0      | 9             | 9.21   | 22.36 | 30                | Pass      |
| 04      | 2427            | MCS0      | 12            | 13.48  | 24.69 | 30                | Pass      |
| 05      | 2432            | MCS0      | 14            | 14.43  | 26.18 | 30                | Pass      |
| 06      | 2437            | MCS0      | 17            | 16.17  | 26.98 | 30                | Pass      |
| 07      | 2442            | MCS0      | 15.5          | 14.88  | 26.11 | 30                | Pass      |
| 08      | 2447            | MCS0      | 13            | 13.47  | 24.98 | 30                | Pass      |
| 09      | 2452            | MCS0      | 11            | 10.13  | 21.80 | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 16~22 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 03      | 2422            | MCS8      | 8.5           | 7.73   | 9.03    | 11.44       | 19.74   | 21.52   | 23.73       | 30                | Pass      |
| 04      | 2427            | MCS8      | 11            | 11.11  | 11.82   | 14.49       | 21.36   | 23.37   | 25.49       | 30                | Pass      |
| 05      | 2432            | MCS8      | 13.5          | 13.62  | 14.02   | 16.83       | 25.14   | 25.62   | 28.40       | 30                | Pass      |
| 06      | 2437            | MCS8      | 14.5          | 14.67  | 14.44   | 17.57       | 26.27   | 26.08   | 29.19       | 30                | Pass      |
| 07      | 2442            | MCS8      | 12.5          | 12.29  | 12.37   | 15.34       | 24.08   | 24.33   | 27.22       | 30                | Pass      |
| 08      | 2447            | MCS8      | 11            | 11.00  | 11.16   | 14.09       | 22.75   | 22.77   | 25.77       | 30                | Pass      |
| 09      | 2452            | MCS8      | 7             | 6.03   | 8.03    | 10.15       | 18.00   | 19.35   | 21.74       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | 6         | 20.5          | 20.34  | 25.68 | 30                | Pass      |
| 157     | 5785            | 6         | 20.5          | 20.10  | 25.65 | 30                | Pass      |
| 165     | 5825            | 6         | 20.5          | 20.46  | 25.74 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | 6         | 21            | 20.31  | 25.81 | 30                | Pass      |
| 157     | 5785            | 6         | 21            | 20.31  | 25.82 | 30                | Pass      |
| 165     | 5825            | 6         | 21            | 20.55  | 25.86 | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 149     | 5745            | 6         | 20            | 19.93  | 19.50   | 22.73       | 25.38   | 25.20   | 28.30       | 30                | Pass      |
| 157     | 5785            | 6         | 20.5          | 20.41  | 19.91   | 23.18       | 25.40   | 25.26   | 28.34       | 30                | Pass      |
| 165     | 5825            | 6         | 21            | 20.70  | 20.30   | 23.51       | 25.53   | 25.43   | 28.49       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | MCS0      | 20.5          | 20.45  | 25.77 | 30                | Pass      |
| 157     | 5785            | MCS0      | 20.5          | 20.55  | 25.79 | 30                | Pass      |
| 165     | 5825            | MCS0      | 20.5          | 20.61  | 25.8  | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | MCS0      | 21            | 20.51  | 25.85 | 30                | Pass      |
| 157     | 5785            | MCS0      | 21            | 20.59  | 25.92 | 30                | Pass      |
| 165     | 5825            | MCS0      | 21            | 20.46  | 25.82 | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 149     | 5745            | MCS8      | 20.5          | 19.11  | 18.53   | 21.84       | 25.22   | 25.19   | 28.22       | 30                | Pass      |
| 157     | 5785            | MCS8      | 19.5          | 19.52  | 19.12   | 22.33       | 25.33   | 25.14   | 28.25       | 30                | Pass      |
| 165     | 5825            | MCS8      | 19.5          | 20.32  | 20.02   | 23.18       | 25.36   | 25.24   | 28.31       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 151     | 5755            | MCS0      | 20.5          | 20.45  | 25.72 | 30                | Pass      |
| 159     | 5795            | MCS0      | 20.5          | 20.22  | 25.77 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 151     | 5755            | MCS0      | 21            | 20.30  | 25.91 | 30                | Pass      |
| 159     | 5795            | MCS0      | 21            | 20.31  | 25.90 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 151     | 5755            | MCS8      | 19.5          | 19.36  | 19.13   | 22.26       | 25.42   | 25.28   | 28.36       | 30                | Pass      |
| 159     | 5795            | MCS8      | 20.5          | 20.38  | 19.90   | 23.16       | 25.48   | 25.33   | 28.42       | 30                | Pass      |



<Antenna 3 for 4.5V>

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 1         | 22.5          | 22.62  | 24.88 | 30                | Pass      |
| 02      | 2417            | 1         | 24.5          | 24.11  | 26.89 | 30                | Pass      |
| 06      | 2437            | 1         | 26            | 25.54  | 28.06 | 30                | Pass      |
| 10      | 2457            | 1         | 21            | 20.45  | 23.25 | 30                | Pass      |
| 11      | 2462            | 1         | 21            | 20.64  | 23.28 | 30                | Pass      |

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 1         | 21            | 20.92  | 23.18 | 30                | Pass      |
| 02      | 2417            | 1         | 21.5          | 21.01  | 23.27 | 30                | Pass      |
| 06      | 2437            | 1         | 26            | 26.05  | 28.18 | 30                | Pass      |
| 10      | 2457            | 1         | 20.5          | 20.67  | 22.97 | 30                | Pass      |
| 11      | 2462            | 1         | 21            | 21.22  | 23.46 | 30                | Pass      |

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | 1         | 21            | 20.22  | 20.89   | 23.58       | 22.82   | 23.14   | 25.99       | 30                | Pass      |
| 02      | 2417            | 1         | 21.5          | 21.01  | 21.35   | 24.19       | 23.42   | 24.01   | 26.74       | 30                | Pass      |
| 06      | 2437            | 1         | 24.5          | 24.39  | 23.92   | 27.17       | 26.83   | 26.47   | 29.66       | 30                | Pass      |
| 10      | 2457            | 1         | 19            | 19.04  | 19.57   | 22.32       | 21.35   | 21.99   | 24.69       | 30                | Pass      |
| 11      | 2462            | 1         | 18            | 18.07  | 18.33   | 21.21       | 20.25   | 21.17   | 23.74       | 30                | Pass      |



|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11g (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 6         | 18            | 18.30  | 28.60 | 30                | Pass      |
| 02      | 2417            | 6         | 20            | 19.61  | 29.83 | 30                | Pass      |
| 06      | 2437            | 6         | 20            | 20.03  | 29.78 | 30                | Pass      |
| 10      | 2457            | 6         | 19.5          | 19.45  | 29.54 | 30                | Pass      |
| 11      | 2462            | 6         | 14.5          | 15.53  | 26.23 | 30                | Pass      |

|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11g (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 6         | 18            | 18.15  | 28.46 | 30                | Pass      |
| 02      | 2417            | 6         | 20            | 19.67  | 29.74 | 30                | Pass      |
| 06      | 2437            | 6         | 20            | 19.55  | 29.76 | 30                | Pass      |
| 10      | 2457            | 6         | 19            | 19.19  | 29.33 | 30                | Pass      |
| 11      | 2462            | 6         | 14.5          | 14.89  | 25.04 | 30                | Pass      |

|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11g (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | 6         | 15.5          | 16.15  | 16.22   | 19.20       | 26.85   | 27.02   | 29.95       | 30                | Pass      |
| 02      | 2417            | 6         | 15.5          | 16.10  | 15.66   | 18.90       | 27.16   | 26.00   | 29.63       | 30                | Pass      |
| 06      | 2437            | 6         | 15.5          | 16.16  | 15.45   | 18.83       | 27.37   | 26.03   | 29.76       | 30                | Pass      |
| 10      | 2457            | 6         | 16            | 16.06  | 15.91   | 19.00       | 26.06   | 26.78   | 29.45       | 30                | Pass      |
| 11      | 2462            | 6         | 13            | 13.73  | 13.50   | 16.63       | 24.22   | 24.04   | 27.14       | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | MCS0      | 16.5          | 16.53  | 27.27 | 30                | Pass      |
| 02      | 2417            | MCS0      | 19.5          | 19.50  | 29.58 | 30                | Pass      |
| 06      | 2437            | MCS0      | 20.5          | 20.01  | 29.80 | 30                | Pass      |
| 10      | 2457            | MCS0      | 19.5          | 19.73  | 29.70 | 30                | Pass      |
| 11      | 2462            | MCS0      | 14            | 14.64  | 26.01 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | MCS0      | 16.5          | 17.00  | 27.55 | 30                | Pass      |
| 02      | 2417            | MCS0      | 20            | 19.62  | 29.81 | 30                | Pass      |
| 06      | 2437            | MCS0      | 20            | 19.99  | 29.66 | 30                | Pass      |
| 10      | 2457            | MCS0      | 19            | 19.29  | 29.82 | 30                | Pass      |
| 11      | 2462            | MCS0      | 13.5          | 13.85  | 25.11 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | MCS8      | 14            | 14.67  | 15.65   | 18.20       | 26.19   | 27.00   | 29.62       | 30                | Pass      |
| 02      | 2417            | MCS8      | 15.5          | 15.86  | 15.34   | 18.62       | 26.72   | 26.88   | 29.81       | 30                | Pass      |
| 06      | 2437            | MCS8      | 15            | 15.66  | 15.36   | 18.52       | 27.25   | 26.32   | 29.82       | 30                | Pass      |
| 10      | 2457            | MCS8      | 15.5          | 16.22  | 15.37   | 18.83       | 27.23   | 26.44   | 29.86       | 30                | Pass      |
| 11      | 2462            | MCS8      | 13            | 13.95  | 13.67   | 16.82       | 24.28   | 23.93   | 27.12       | 30                | Pass      |





|                        |            |                            |         |
|------------------------|------------|----------------------------|---------|
| <b>Test Mode :</b>     | Mode 16~22 | <b>Temperature :</b>       | 25~27°C |
| <b>Test Engineer :</b> | Ken Hsu    | <b>Relative Humidity :</b> | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 40MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 03      | 2422            | MCS0      | 10.5          | 10.40  | 22.18 | 30                | Pass      |
| 04      | 2427            | MCS0      | 12.5          | 12.55  | 24.57 | 30                | Pass      |
| 05      | 2432            | MCS0      | 14.5          | 15.21  | 26.81 | 30                | Pass      |
| 06      | 2437            | MCS0      | 18            | 18.23  | 29.90 | 30                | Pass      |
| 07      | 2442            | MCS0      | 17.5          | 17.76  | 29.39 | 30                | Pass      |
| 08      | 2447            | MCS0      | 13.5          | 14.43  | 26.29 | 30                | Pass      |
| 09      | 2452            | MCS0      | 10.5          | 10.40  | 22.12 | 30                | Pass      |

|                        |            |                            |         |
|------------------------|------------|----------------------------|---------|
| <b>Test Mode :</b>     | Mode 16~22 | <b>Temperature :</b>       | 25~27°C |
| <b>Test Engineer :</b> | Ken Hsu    | <b>Relative Humidity :</b> | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 40MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 03      | 2422            | MCS0      | 11.5          | 13.12  | 24.52 | 30                | Pass      |
| 04      | 2427            | MCS0      | 12            | 13.62  | 24.91 | 30                | Pass      |
| 05      | 2432            | MCS0      | 14            | 14.86  | 26.61 | 30                | Pass      |
| 06      | 2437            | MCS0      | 18.5          | 18.57  | 29.68 | 30                | Pass      |
| 07      | 2442            | MCS0      | 15            | 15.48  | 27.11 | 30                | Pass      |
| 08      | 2447            | MCS0      | 12            | 12.64  | 24.12 | 30                | Pass      |
| 09      | 2452            | MCS0      | 9.5           | 10.16  | 23.15 | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 16~22 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 03      | 2422            | MCS8      | 10            | 10.35  | 12.29   | 14.44       | 22.14   | 24.11   | 26.25       | 30                | Pass      |
| 04      | 2427            | MCS8      | 11.5          | 11.71  | 13.24   | 15.55       | 23.72   | 25.17   | 27.52       | 30                | Pass      |
| 05      | 2432            | MCS8      | 14            | 14.99  | 15.09   | 18.05       | 26.96   | 26.87   | 29.93       | 30                | Pass      |
| 06      | 2437            | MCS8      | 14            | 14.99  | 14.73   | 17.87       | 26.95   | 26.47   | 29.73       | 30                | Pass      |
| 07      | 2442            | MCS8      | 14            | 15.06  | 14.52   | 17.81       | 26.60   | 26.32   | 29.47       | 30                | Pass      |
| 08      | 2447            | MCS8      | 11.5          | 11.66  | 12.08   | 14.89       | 23.40   | 23.71   | 26.57       | 30                | Pass      |
| 09      | 2452            | MCS8      | 9             | 8.85   | 10.42   | 12.72       | 20.52   | 23.14   | 25.03       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | 6         | 22            | 22.92  | 27.32 | 30                | Pass      |
| 157     | 5785            | 6         | 22            | 22.90  | 27.28 | 30                | Pass      |
| 165     | 5825            | 6         | 22            | 22.13  | 27.13 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | 6         | 22            | 22.51  | 27.02 | 30                | Pass      |
| 157     | 5785            | 6         | 22            | 22.63  | 27.01 | 30                | Pass      |
| 165     | 5825            | 6         | 22            | 22.61  | 27.00 | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 149     | 5745            | 6         | 18.5          | 19.66  | 19.25   | 22.47       | 26.84   | 26.66   | 29.76       | 30                | Pass      |
| 157     | 5785            | 6         | 18.5          | 19.46  | 19.16   | 22.32       | 26.84   | 26.45   | 29.66       | 30                | Pass      |
| 165     | 5825            | 6         | 18.5          | 19.63  | 19.23   | 22.44       | 26.75   | 26.60   | 29.69       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | MCS0      | 22.5          | 23.38  | 27.50 | 30                | Pass      |
| 157     | 5785            | MCS0      | 22.5          | 23.30  | 27.42 | 30                | Pass      |
| 165     | 5825            | MCS0      | 22.5          | 22.79  | 27.32 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | MCS0      | 22.5          | 23.40  | 27.52 | 30                | Pass      |
| 157     | 5785            | MCS0      | 22.5          | 23.12  | 27.43 | 30                | Pass      |
| 165     | 5825            | MCS0      | 22.5          | 22.20  | 27.36 | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 149     | 5745            | MCS8      | 19            | 20.01  | 19.58   | 22.81       | 27.02   | 26.72   | 29.88       | 30                | Pass      |
| 157     | 5785            | MCS8      | 19            | 20.04  | 19.58   | 22.83       | 27.02   | 26.75   | 29.90       | 30                | Pass      |
| 165     | 5825            | MCS8      | 19            | 20.13  | 19.75   | 22.95       | 26.95   | 26.64   | 29.81       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 151     | 5755            | MCS0      | 22.5          | 22.72  | 27.32 | 30                | Pass      |
| 159     | 5795            | MCS0      | 22.5          | 22.24  | 27.19 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 151     | 5755            | MCS0      | 22.5          | 22.90  | 27.04 | 30                | Pass      |
| 159     | 5795            | MCS0      | 22.5          | 22.93  | 27.22 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 151     | 5755            | MCS8      | 19.5          | 20.40  | 20.10   | 23.26       | 26.96   | 26.82   | 29.90       | 30                | Pass      |
| 159     | 5795            | MCS8      | 19.5          | 20.40  | 20.12   | 23.27       | 26.92   | 26.74   | 29.84       | 30                | Pass      |



<Antenna 3 for 3.3V>

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 1         | 23            | 22.33  | 24.17 | 30                | Pass      |
| 02      | 2417            | 1         | 25            | 24.03  | 26.07 | 30                | Pass      |
| 06      | 2437            | 1         | 25.5          | 24.73  | 26.82 | 30                | Pass      |
| 10      | 2457            | 1         | 21.5          | 20.27  | 22.84 | 30                | Pass      |
| 11      | 2462            | 1         | 21.5          | 20.61  | 23.02 | 30                | Pass      |

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 1         | 21.5          | 20.90  | 23.08 | 30                | Pass      |
| 02      | 2417            | 1         | 22            | 20.92  | 23.08 | 30                | Pass      |
| 06      | 2437            | 1         | 25.5          | 24.67  | 26.72 | 30                | Pass      |
| 10      | 2457            | 1         | 20.5          | 20.36  | 22.63 | 30                | Pass      |
| 11      | 2462            | 1         | 21            | 21.20  | 26.41 | 30                | Pass      |

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | 1         | 21.5          | 20.25  | 20.84   | 23.57       | 22.76   | 22.98   | 25.88       | 30                | Pass      |
| 02      | 2417            | 1         | 22            | 21.02  | 21.16   | 24.10       | 23.27   | 23.26   | 26.28       | 30                | Pass      |
| 06      | 2437            | 1         | 25            | 24.03  | 23.90   | 26.98       | 26.08   | 25.81   | 28.96       | 30                | Pass      |
| 10      | 2457            | 1         | 19.5          | 18.73  | 19.16   | 21.96       | 21.47   | 21.27   | 24.38       | 30                | Pass      |
| 11      | 2462            | 1         | 18.5          | 18.02  | 18.15   | 21.10       | 20.11   | 20.28   | 23.21       | 30                | Pass      |



|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11g (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 6         | 19            | 18.15  | 28.02 | 30                | Pass      |
| 02      | 2417            | 6         | 20.5          | 19.46  | 28.44 | 30                | Pass      |
| 06      | 2437            | 6         | 21            | 19.99  | 28.28 | 30                | Pass      |
| 10      | 2457            | 6         | 20.5          | 19.41  | 28.11 | 30                | Pass      |
| 11      | 2462            | 6         | 15            | 15.31  | 25.52 | 30                | Pass      |

|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11g (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 6         | 18            | 18.11  | 28.22 | 30                | Pass      |
| 02      | 2417            | 6         | 20.5          | 19.45  | 28.27 | 30                | Pass      |
| 06      | 2437            | 6         | 20            | 19.44  | 28.31 | 30                | Pass      |
| 10      | 2457            | 6         | 19            | 19.12  | 28.25 | 30                | Pass      |
| 11      | 2462            | 6         | 15            | 14.81  | 25.00 | 30                | Pass      |

|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11g (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | 6         | 16            | 15.60  | 16.05   | 18.84       | 26.03   | 25.83   | 28.94       | 30                | Pass      |
| 02      | 2417            | 6         | 16            | 15.16  | 15.66   | 18.43       | 25.86   | 25.81   | 28.85       | 30                | Pass      |
| 06      | 2437            | 6         | 16.5          | 16.08  | 15.40   | 18.76       | 26.06   | 25.75   | 28.92       | 30                | Pass      |
| 10      | 2457            | 6         | 16.5          | 16.04  | 15.86   | 18.96       | 26.12   | 25.99   | 29.07       | 30                | Pass      |
| 11      | 2462            | 6         | 14            | 13.65  | 13.61   | 16.64       | 24.11   | 24.07   | 27.10       | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | MCS0      | 16.5          | 16.43  | 27.02 | 30                | Pass      |
| 02      | 2417            | MCS0      | 20.5          | 19.36  | 28.36 | 30                | Pass      |
| 06      | 2437            | MCS0      | 21            | 19.96  | 28.71 | 30                | Pass      |
| 10      | 2457            | MCS0      | 20.5          | 19.43  | 28.43 | 30                | Pass      |
| 11      | 2462            | MCS0      | 14            | 14.60  | 25.60 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | MCS0      | 17            | 16.74  | 17.02 | 30                | Pass      |
| 02      | 2417            | MCS0      | 20.5          | 19.59  | 28.34 | 30                | Pass      |
| 06      | 2437            | MCS0      | 20.5          | 19.67  | 28.44 | 30                | Pass      |
| 10      | 2457            | MCS0      | 19.5          | 19.13  | 28.29 | 30                | Pass      |
| 11      | 2462            | MCS0      | 13.5          | 13.82  | 24.02 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | MCS8      | 15            | 15.29  | 15.58   | 18.45       | 26.12   | 26.08   | 29.11       | 30                | Pass      |
| 02      | 2417            | MCS8      | 16            | 15.60  | 15.26   | 18.44       | 26.12   | 25.68   | 28.92       | 30                | Pass      |
| 06      | 2437            | MCS8      | 16.5          | 15.35  | 15.34   | 18.36       | 26.13   | 26.02   | 29.09       | 30                | Pass      |
| 10      | 2457            | MCS8      | 16.5          | 15.64  | 16.01   | 18.84       | 26.11   | 26.13   | 29.13       | 30                | Pass      |
| 11      | 2462            | MCS8      | 13            | 13.66  | 13.40   | 16.54       | 24.37   | 23.38   | 26.91       | 30                | Pass      |



|                        |            |                            |         |
|------------------------|------------|----------------------------|---------|
| <b>Test Mode :</b>     | Mode 16~22 | <b>Temperature :</b>       | 25~27°C |
| <b>Test Engineer :</b> | Ken Hsu    | <b>Relative Humidity :</b> | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 40MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 03      | 2422            | MCS0      | 11.5          | 10.32  | 22.14 | 30                | Pass      |
| 04      | 2427            | MCS0      | 13            | 12.43  | 24.49 | 30                | Pass      |
| 05      | 2432            | MCS0      | 15.5          | 15.13  | 26.63 | 30                | Pass      |
| 06      | 2437            | MCS0      | 19            | 18.16  | 28.44 | 30                | Pass      |
| 07      | 2442            | MCS0      | 18.5          | 17.70  | 28.33 | 30                | Pass      |
| 08      | 2447            | MCS0      | 14            | 14.03  | 26.16 | 30                | Pass      |
| 09      | 2452            | MCS0      | 11.5          | 10.32  | 22.03 | 30                | Pass      |

|                        |            |                            |         |
|------------------------|------------|----------------------------|---------|
| <b>Test Mode :</b>     | Mode 16~22 | <b>Temperature :</b>       | 25~27°C |
| <b>Test Engineer :</b> | Ken Hsu    | <b>Relative Humidity :</b> | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 40MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 03      | 2422            | MCS0      | 12.5          | 13.11  | 24.32 | 30                | Pass      |
| 04      | 2427            | MCS0      | 13            | 13.55  | 24.79 | 30                | Pass      |
| 05      | 2432            | MCS0      | 15            | 14.83  | 26.67 | 30                | Pass      |
| 06      | 2437            | MCS0      | 19.5          | 18.50  | 28.43 | 30                | Pass      |
| 07      | 2442            | MCS0      | 16.5          | 15.26  | 26.92 | 30                | Pass      |
| 08      | 2447            | MCS0      | 13            | 12.62  | 24.04 | 30                | Pass      |
| 09      | 2452            | MCS0      | 11            | 10.07  | 22.45 | 30                | Pass      |





|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 16~22 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 03      | 2422            | MCS8      | 10.5          | 10.40  | 12.20   | 14.40       | 22.02   | 24.07   | 26.18       | 30                | Pass      |
| 04      | 2427            | MCS8      | 12.5          | 11.67  | 13.21   | 15.52       | 23.66   | 24.91   | 27.34       | 30                | Pass      |
| 05      | 2432            | MCS8      | 15            | 14.87  | 15.01   | 17.95       | 26.80   | 26.79   | 29.81       | 30                | Pass      |
| 06      | 2437            | MCS8      | 15            | 14.84  | 14.36   | 17.62       | 26.84   | 26.43   | 29.65       | 30                | Pass      |
| 07      | 2442            | MCS8      | 15            | 15.02  | 14.45   | 17.75       | 26.57   | 26.14   | 29.37       | 30                | Pass      |
| 08      | 2447            | MCS8      | 12            | 11.23  | 11.66   | 14.46       | 23.37   | 23.67   | 26.53       | 30                | Pass      |
| 09      | 2452            | MCS8      | 9             | 9.44   | 9.06    | 12.26       | 21.25   | 22.13   | 24.72       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | 6         | 20.5          | 20.40  | 25.73 | 30                | Pass      |
| 157     | 5785            | 6         | 20.5          | 20.15  | 25.73 | 30                | Pass      |
| 165     | 5825            | 6         | 20.5          | 20.47  | 25.74 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | 6         | 21            | 20.43  | 25.75 | 30                | Pass      |
| 157     | 5785            | 6         | 21            | 20.60  | 25.88 | 30                | Pass      |
| 165     | 5825            | 6         | 21            | 20.54  | 25.82 | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 149     | 5745            | 6         | 21            | 19.70  | 19.17   | 22.45       | 24.36   | 24.21   | 27.30       | 30                | Pass      |
| 157     | 5785            | 6         | 21            | 19.53  | 19.03   | 22.30       | 24.42   | 24.27   | 27.36       | 30                | Pass      |
| 165     | 5825            | 6         | 21            | 19.61  | 19.28   | 22.46       | 24.50   | 24.38   | 27.45       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | MCS0      | 20.5          | 20.39  | 25.70 | 30                | Pass      |
| 157     | 5785            | MCS0      | 20.5          | 20.58  | 25.75 | 30                | Pass      |
| 165     | 5825            | MCS0      | 20.5          | 20.35  | 25.85 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | MCS0      | 21            | 20.49  | 25.95 | 30                | Pass      |
| 157     | 5785            | MCS0      | 21            | 20.56  | 25.84 | 30                | Pass      |
| 165     | 5825            | MCS0      | 21            | 20.56  | 25.86 | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 149     | 5745            | MCS8      | 21.5          | 20.03  | 19.52   | 22.79       | 24.52   | 24.33   | 27.44       | 30                | Pass      |
| 157     | 5785            | MCS8      | 21.5          | 20.06  | 19.48   | 22.79       | 24.48   | 24.08   | 27.29       | 30                | Pass      |
| 165     | 5825            | MCS8      | 21            | 19.82  | 19.34   | 22.60       | 24.46   | 24.30   | 27.39       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 151     | 5755            | MCS0      | 20.5          | 20.44  | 25.83 | 30                | Pass      |
| 159     | 5795            | MCS0      | 20.5          | 20.44  | 25.86 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 151     | 5755            | MCS0      | 21            | 20.55  | 25.90 | 30                | Pass      |
| 159     | 5795            | MCS0      | 21            | 20.46  | 25.92 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 151     | 5755            | MCS8      | 21.5          | 20.02  | 19.82   | 22.93       | 24.24   | 24.22   | 27.24       | 30                | Pass      |
| 159     | 5795            | MCS8      | 22            | 20.02  | 20.10   | 23.07       | 24.42   | 24.32   | 27.38       | 30                | Pass      |



<Antenna 4 for 3.3V>

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 1         | 23.5          | 22.23  | 24.56 | 30                | Pass      |
| 02      | 2417            | 1         | 24            | 23.02  | 25.32 | 30                | Pass      |
| 06      | 2437            | 1         | 25.5          | 24.37  | 26.56 | 30                | Pass      |
| 10      | 2457            | 1         | 23            | 22.33  | 24.46 | 30                | Pass      |
| 11      | 2462            | 1         | 23            | 22.26  | 24.6  | 30                | Pass      |

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 1         | 24            | 22.46  | 24.81 | 30                | Pass      |
| 02      | 2417            | 1         | 24.5          | 23.03  | 25.33 | 30                | Pass      |
| 06      | 2437            | 1         | 25.5          | 24.44  | 26.45 | 30                | Pass      |
| 10      | 2457            | 1         | 24            | 22.52  | 24.74 | 30                | Pass      |
| 11      | 2462            | 1         | 23.5          | 22.06  | 24.41 | 30                | Pass      |

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | 1         | 23            | 22.14  | 22.01   | 25.09       | 24.36   | 24.36   | 27.37       | 30                | Pass      |
| 02      | 2417            | 1         | 23.5          | 22.69  | 22.04   | 25.39       | 24.91   | 24.43   | 27.69       | 30                | Pass      |
| 06      | 2437            | 1         | 26            | 24.58  | 25.06   | 27.84       | 26.79   | 26.90   | 29.86       | 30                | Pass      |
| 10      | 2457            | 1         | 23            | 22.62  | 21.79   | 25.24       | 24.81   | 24.14   | 27.50       | 30                | Pass      |
| 11      | 2462            | 1         | 22.5          | 22.15  | 21.49   | 24.84       | 23.75   | 23.82   | 26.80       | 30                | Pass      |



|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11g (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 6         | 21.5          | 20.43  | 28.89 | 30                | Pass      |
| 02      | 2417            | 6         | 22.5          | 21.55  | 29.36 | 30                | Pass      |
| 06      | 2437            | 6         | 23            | 21.88  | 29.14 | 30                | Pass      |
| 10      | 2457            | 6         | 21            | 20.07  | 28.48 | 30                | Pass      |
| 11      | 2462            | 6         | 19.5          | 18.78  | 27.99 | 30                | Pass      |

|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11g (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 6         | 20.5          | 20.41  | 28.65 | 30                | Pass      |
| 02      | 2417            | 6         | 23            | 21.49  | 29.10 | 30                | Pass      |
| 06      | 2437            | 6         | 23            | 21.54  | 29.04 | 30                | Pass      |
| 10      | 2457            | 6         | 23            | 21.83  | 29.12 | 30                | Pass      |
| 11      | 2462            | 6         | 21            | 20.12  | 28.49 | 30                | Pass      |

|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11g (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | 6         | 17            | 16.90  | 16.67   | 19.80       | 26.98   | 26.52   | 29.77       | 30                | Pass      |
| 02      | 2417            | 6         | 17            | 16.61  | 16.34   | 19.49       | 26.94   | 26.47   | 29.72       | 30                | Pass      |
| 06      | 2437            | 6         | 17.5          | 17.05  | 16.48   | 19.78       | 27.17   | 26.49   | 29.85       | 30                | Pass      |
| 10      | 2457            | 6         | 17.5          | 16.64  | 17.13   | 19.90       | 26.90   | 26.79   | 29.86       | 30                | Pass      |
| 11      | 2462            | 6         | 17.5          | 16.71  | 16.75   | 19.74       | 27.05   | 26.85   | 29.96       | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | MCS0      | 19.5          | 18.36  | 28.08 | 30                | Pass      |
| 02      | 2417            | MCS0      | 22            | 21.03  | 28.96 | 30                | Pass      |
| 06      | 2437            | MCS0      | 23            | 22.00  | 29.07 | 30                | Pass      |
| 10      | 2457            | MCS0      | 20.5          | 19.51  | 28.19 | 30                | Pass      |
| 11      | 2462            | MCS0      | 17.5          | 16.61  | 26.44 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | MCS0      | 19.5          | 18.74  | 27.94 | 30                | Pass      |
| 02      | 2417            | MCS0      | 22.5          | 20.87  | 28.56 | 30                | Pass      |
| 06      | 2437            | MCS0      | 23            | 21.66  | 29.03 | 30                | Pass      |
| 10      | 2457            | MCS0      | 22.5          | 21.35  | 28.85 | 30                | Pass      |
| 11      | 2462            | MCS0      | 20            | 19.19  | 28.13 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | MCS8      | 17.5          | 17.06  | 16.81   | 19.95       | 26.84   | 26.98   | 29.92       | 30                | Pass      |
| 02      | 2417            | MCS8      | 18            | 17.12  | 17.17   | 20.16       | 27.10   | 26.83   | 29.98       | 30                | Pass      |
| 06      | 2437            | MCS8      | 18            | 17.01  | 17.06   | 20.05       | 26.86   | 26.98   | 29.93       | 30                | Pass      |
| 10      | 2457            | MCS8      | 17            | 16.26  | 16.39   | 19.34       | 26.84   | 26.60   | 29.73       | 30                | Pass      |
| 11      | 2462            | MCS8      | 17            | 16.02  | 16.60   | 19.33       | 26.35   | 26.72   | 29.55       | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 16-22 | Temperature :       | 25-27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51-54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 40MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 03      | 2422            | MCS0      | 16.5          | 16.03  | 26.80 | 30                | Pass      |
| 04      | 2427            | MCS0      | 17.5          | 16.95  | 27.49 | 30                | Pass      |
| 05      | 2432            | MCS0      | 19            | 18.28  | 28.26 | 30                | Pass      |
| 06      | 2437            | MCS0      | 20.5          | 19.4   | 28.8  | 30                | Pass      |
| 07      | 2442            | MCS0      | 19.5          | 18.46  | 28.36 | 30                | Pass      |
| 08      | 2447            | MCS0      | 17.5          | 16.8   | 27.49 | 30                | Pass      |
| 09      | 2452            | MCS0      | 15.5          | 15.84  | 26.88 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 16-22 | Temperature :       | 25-27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51-54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 40MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 03      | 2422            | MCS0      | 15            | 15.43  | 26.46 | 30                | Pass      |
| 04      | 2427            | MCS0      | 17            | 16.12  | 26.97 | 30                | Pass      |
| 05      | 2432            | MCS0      | 19            | 18.14  | 27.98 | 30                | Pass      |
| 06      | 2437            | MCS0      | 20.5          | 19.49  | 28.41 | 30                | Pass      |
| 07      | 2442            | MCS0      | 20            | 19.11  | 28.34 | 30                | Pass      |
| 08      | 2447            | MCS0      | 19.5          | 18.77  | 28.08 | 30                | Pass      |
| 09      | 2452            | MCS0      | 17            | 16.05  | 26.82 | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 16~22 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 03      | 2422            | MCS8      | 13.5          | 13.50  | 14.39   | 16.98       | 25.26   | 25.90   | 28.60       | 30                | Pass      |
| 04      | 2427            | MCS8      | 15.5          | 15.61  | 14.69   | 18.18       | 26.46   | 25.94   | 29.22       | 30                | Pass      |
| 05      | 2432            | MCS8      | 16.5          | 16.12  | 15.41   | 18.79       | 27.03   | 26.48   | 29.77       | 30                | Pass      |
| 06      | 2437            | MCS8      | 16            | 15.87  | 15.12   | 18.52       | 26.95   | 26.13   | 29.57       | 30                | Pass      |
| 07      | 2442            | MCS8      | 16            | 16.27  | 15.13   | 18.75       | 27.22   | 26.30   | 29.79       | 30                | Pass      |
| 08      | 2447            | MCS8      | 16.5          | 15.62  | 15.32   | 18.48       | 26.90   | 26.48   | 29.71       | 30                | Pass      |
| 09      | 2452            | MCS8      | 15            | 15.50  | 16.00   | 18.77       | 26.44   | 26.16   | 29.31       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | 6         | 20            | 19.90  | 25.61 | 30                | Pass      |
| 157     | 5785            | 6         | 20            | 19.93  | 25.61 | 30                | Pass      |
| 165     | 5825            | 6         | 20            | 19.97  | 25.67 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | 6         | 20            | 19.62  | 25.57 | 30                | Pass      |
| 157     | 5785            | 6         | 20            | 19.48  | 25.50 | 30                | Pass      |
| 165     | 5825            | 6         | 20            | 19.60  | 25.60 | 30                | Pass      |





|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 149     | 5745            | 6         | 20            | 19.80  | 19.32   | 22.58       | 25.56   | 25.14   | 28.37       | 30                | Pass      |
| 157     | 5785            | 6         | 20            | 20.01  | 19.56   | 22.80       | 25.61   | 25.46   | 28.55       | 30                | Pass      |
| 165     | 5825            | 6         | 20            | 19.60  | 19.54   | 22.58       | 25.33   | 25.23   | 28.29       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | MCS0      | 20            | 19.98  | 25.51 | 30                | Pass      |
| 157     | 5785            | MCS0      | 20            | 20.00  | 25.64 | 30                | Pass      |
| 165     | 5825            | MCS0      | 20            | 20.02  | 25.72 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | MCS0      | 20            | 19.53  | 25.47 | 30                | Pass      |
| 157     | 5785            | MCS0      | 20            | 19.59  | 25.51 | 30                | Pass      |
| 165     | 5825            | MCS0      | 20            | 19.62  | 25.50 | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 149     | 5745            | MCS8      | 20            | 19.77  | 19.51   | 22.65       | 25.47   | 25.36   | 28.43       | 30                | Pass      |
| 157     | 5785            | MCS8      | 20            | 19.78  | 19.46   | 22.63       | 25.50   | 25.30   | 28.41       | 30                | Pass      |
| 165     | 5825            | MCS8      | 20            | 19.77  | 19.70   | 22.75       | 25.48   | 25.50   | 28.50       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 151     | 5755            | MCS0      | 20            | 20.02  | 25.67 | 30                | Pass      |
| 159     | 5795            | MCS0      | 20            | 19.84  | 25.55 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 151     | 5755            | MCS0      | 20            | 19.70  | 25.63 | 30                | Pass      |
| 159     | 5795            | MCS0      | 20            | 19.54  | 25.59 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 151     | 5755            | MCS8      | 20            | 19.90  | 19.53   | 22.73       | 25.48   | 25.36   | 28.43       | 30                | Pass      |
| 159     | 5795            | MCS8      | 20            | 19.80  | 19.53   | 22.68       | 25.55   | 25.38   | 28.48       | 30                | Pass      |



<Antenna 5 for 3.3V>

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 1         | 22            | 21.03  | 23.44 | 30                | Pass      |
| 02      | 2417            | 1         | 22.5          | 21.32  | 23.81 | 30                | Pass      |
| 06      | 2437            | 1         | 24.5          | 24.37  | 25.60 | 30                | Pass      |
| 10      | 2457            | 1         | 23            | 22.17  | 24.46 | 30                | Pass      |
| 11      | 2462            | 1         | 23            | 22.17  | 24.47 | 30                | Pass      |

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 1         | 22.5          | 21.81  | 24.06 | 30                | Pass      |
| 02      | 2417            | 1         | 23            | 21.99  | 24.26 | 30                | Pass      |
| 06      | 2437            | 1         | 24.5          | 24.01  | 26.31 | 30                | Pass      |
| 10      | 2457            | 1         | 23.5          | 22.04  | 24.17 | 30                | Pass      |
| 11      | 2462            | 1         | 23.5          | 22.35  | 24.63 | 30                | Pass      |

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Mode :     | Mode 1~5 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu  | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11b (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | 1         | 20.5          | 19.68  | 19.87   | 22.79       | 22.05   | 22.09   | 25.08       | 30                | Pass      |
| 02      | 2417            | 1         | 21            | 19.88  | 20.07   | 22.99       | 22.28   | 22.29   | 25.30       | 30                | Pass      |
| 06      | 2437            | 1         | 25            | 24.03  | 24.41   | 27.23       | 26.27   | 26.43   | 29.36       | 30                | Pass      |
| 10      | 2457            | 1         | 22.5          | 22.14  | 21.59   | 24.88       | 24.38   | 23.75   | 27.09       | 30                | Pass      |
| 11      | 2462            | 1         | 22.5          | 21.99  | 21.63   | 24.82       | 24.22   | 23.95   | 27.10       | 30                | Pass      |



|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11g (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 6         | 19            | 18.07  | 27.73 | 30                | Pass      |
| 02      | 2417            | 6         | 21            | 19.55  | 28.39 | 30                | Pass      |
| 06      | 2437            | 6         | 22.5          | 22.54  | 29.88 | 30                | Pass      |
| 10      | 2457            | 6         | 21            | 19.75  | 28.65 | 30                | Pass      |
| 11      | 2462            | 6         | 19            | 18.07  | 27.68 | 30                | Pass      |

|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11g (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | 6         | 20            | 19.17  | 27.87 | 30                | Pass      |
| 02      | 2417            | 6         | 22            | 20.79  | 29.02 | 30                | Pass      |
| 06      | 2437            | 6         | 22.5          | 22.02  | 29.71 | 30                | Pass      |
| 10      | 2457            | 6         | 20.5          | 20.37  | 28.37 | 30                | Pass      |
| 11      | 2462            | 6         | 20            | 19.41  | 28.20 | 30                | Pass      |

|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Mode :     | Mode 6~10 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu   | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11g (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | 6         | 17            | 16.20  | 16.86   | 19.55       | 26.45   | 26.99   | 29.74       | 30                | Pass      |
| 02      | 2417            | 6         | 17.5          | 16.56  | 16.58   | 19.58       | 26.57   | 26.56   | 29.58       | 30                | Pass      |
| 06      | 2437            | 6         | 17.5          | 16.72  | 16.28   | 19.52       | 26.76   | 26.21   | 29.50       | 30                | Pass      |
| 10      | 2457            | 6         | 17.5          | 16.82  | 17.18   | 20.01       | 26.95   | 26.91   | 29.94       | 30                | Pass      |
| 11      | 2462            | 6         | 17            | 16.05  | 16.46   | 19.27       | 26.17   | 26.48   | 29.34       | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | MCS0      | 18            | 17.20  | 26.94 | 30                | Pass      |
| 02      | 2417            | MCS0      | 21            | 19.57  | 29.02 | 30                | Pass      |
| 06      | 2437            | MCS0      | 23            | 21.89  | 29.34 | 30                | Pass      |
| 10      | 2457            | MCS0      | 21            | 19.84  | 28.81 | 30                | Pass      |
| 11      | 2462            | MCS0      | 18.5          | 17.46  | 27.42 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 01      | 2412            | MCS0      | 19            | 18.05  | 27.50 | 30                | Pass      |
| 02      | 2417            | MCS0      | 21.5          | 20.41  | 28.67 | 30                | Pass      |
| 06      | 2437            | MCS0      | 23            | 21.61  | 29.15 | 30                | Pass      |
| 10      | 2457            | MCS0      | 20.5          | 20.02  | 28.67 | 30                | Pass      |
| 11      | 2462            | MCS0      | 18.5          | 17.81  | 27.48 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 11~15 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 20MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 01      | 2412            | MCS8      | 17.5          | 16.73  | 17.11   | 19.93       | 26.76   | 27.01   | 29.90       | 30                | Pass      |
| 02      | 2417            | MCS8      | 17            | 16.17  | 16.25   | 19.22       | 26.69   | 26.33   | 29.52       | 30                | Pass      |
| 06      | 2437            | MCS8      | 17            | 16.48  | 16.19   | 19.35       | 26.73   | 26.46   | 29.61       | 30                | Pass      |
| 10      | 2457            | MCS8      | 17            | 16.11  | 16.29   | 19.21       | 26.80   | 27.05   | 29.94       | 30                | Pass      |
| 11      | 2462            | MCS8      | 16.5          | 15.74  | 15.64   | 18.70       | 25.77   | 26.13   | 28.96       | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 16~22 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 40MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 03      | 2422            | MCS0      | 13            | 12.87  | 24.65 | 30                | Pass      |
| 04      | 2427            | MCS0      | 14.5          | 14.89  | 25.33 | 30                | Pass      |
| 05      | 2432            | MCS0      | 17.5          | 16.72  | 28.00 | 30                | Pass      |
| 06      | 2437            | MCS0      | 19.5          | 18.44  | 28.44 | 30                | Pass      |
| 07      | 2442            | MCS0      | 18.5          | 18.02  | 28.06 | 30                | Pass      |
| 08      | 2447            | MCS0      | 16.5          | 15.97  | 27.00 | 30                | Pass      |
| 09      | 2452            | MCS0      | 15            | 15.26  | 26.76 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 16~22 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Data Rate | Power Setting | 802.11n (BW 40MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 03      | 2422            | MCS0      | 14            | 13.96  | 25.36 | 30                | Pass      |
| 04      | 2427            | MCS0      | 17            | 16.96  | 26.90 | 30                | Pass      |
| 05      | 2432            | MCS0      | 18.5          | 17.44  | 27.85 | 30                | Pass      |
| 06      | 2437            | MCS0      | 20.5          | 19.81  | 29.06 | 30                | Pass      |
| 07      | 2442            | MCS0      | 17.5          | 16.48  | 27.14 | 30                | Pass      |
| 08      | 2447            | MCS0      | 16.5          | 15.70  | 26.92 | 30                | Pass      |
| 09      | 2452            | MCS0      | 14            | 13.63  | 25.41 | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 16~22 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 03      | 2422            | MCS8      | 11.5          | 10.72  | 12.66   | 14.81       | 22.01   | 24.71   | 26.58       | 30                | Pass      |
| 04      | 2427            | MCS8      | 13            | 12.82  | 13.64   | 16.26       | 24.63   | 25.63   | 28.17       | 30                | Pass      |
| 05      | 2432            | MCS8      | 16            | 15.84  | 15.00   | 18.45       | 26.75   | 26.53   | 29.65       | 30                | Pass      |
| 06      | 2437            | MCS8      | 16            | 15.69  | 14.95   | 18.35       | 27.00   | 26.54   | 29.79       | 30                | Pass      |
| 07      | 2442            | MCS8      | 16            | 16.14  | 15.06   | 18.64       | 27.12   | 26.61   | 29.88       | 30                | Pass      |
| 08      | 2447            | MCS8      | 15            | 15.36  | 14.83   | 18.11       | 26.43   | 26.31   | 29.38       | 30                | Pass      |
| 09      | 2452            | MCS8      | 12            | 11.44  | 11.90   | 14.69       | 23.39   | 23.90   | 26.66       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | 6         | 20            | 19.90  | 25.61 | 30                | Pass      |
| 157     | 5785            | 6         | 20            | 19.93  | 25.61 | 30                | Pass      |
| 165     | 5825            | 6         | 20            | 19.97  | 25.67 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | 6         | 20            | 19.62  | 25.57 | 30                | Pass      |
| 157     | 5785            | 6         | 20            | 19.48  | 25.50 | 30                | Pass      |
| 165     | 5825            | 6         | 20            | 19.60  | 25.60 | 30                | Pass      |



|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 23~25 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11a (Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 149     | 5745            | 6         | 20            | 19.80  | 19.32   | 22.58       | 25.56   | 25.14   | 28.37       | 30                | Pass      |
| 157     | 5785            | 6         | 20            | 20.01  | 19.56   | 22.80       | 25.61   | 25.46   | 28.55       | 30                | Pass      |
| 165     | 5825            | 6         | 20            | 19.60  | 19.54   | 22.58       | 25.33   | 25.23   | 28.29       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | MCS0      | 20            | 19.98  | 25.51 | 30                | Pass      |
| 157     | 5785            | MCS0      | 20            | 20.00  | 25.64 | 30                | Pass      |
| 165     | 5825            | MCS0      | 20            | 20.02  | 25.72 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 149     | 5745            | MCS0      | 20            | 19.53  | 25.45 | 30                | Pass      |
| 157     | 5785            | MCS0      | 20            | 19.59  | 25.51 | 30                | Pass      |
| 165     | 5825            | MCS0      | 20            | 19.62  | 25.50 | 30                | Pass      |





|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 26~28 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 20MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 149     | 5745            | MCS8      | 20            | 19.77  | 19.51   | 22.65       | 25.47   | 25.36   | 28.43       | 30                | Pass      |
| 157     | 5785            | MCS8      | 20            | 19.78  | 19.46   | 22.63       | 25.50   | 25.30   | 28.41       | 30                | Pass      |
| 165     | 5825            | MCS8      | 20            | 19.77  | 19.70   | 22.75       | 25.48   | 25.50   | 28.50       | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 151     | 5755            | MCS0      | 20            | 20.02  | 25.67 | 30                | Pass      |
| 159     | 5795            | MCS0      | 20            | 19.84  | 25.55 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain B)<br>Measured Output Power (dBm) |       | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|-------|-------------------|-----------|
|         |                 |           |               | Average  | Peak  |                   |           |
| 151     | 5755            | MCS0      | 20            | 19.70  | 25.63 | 30                | Pass      |
| 159     | 5795            | MCS0      | 20            | 19.54  | 25.59 | 30                | Pass      |

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Mode :     | Mode 29~30 | Temperature :       | 25~27°C |
| Test Engineer : | Ken Hsu    | Relative Humidity : | 51~54%  |

| Channel | Frequency (MHz) | Date Rate | Power Setting | 802.11n (BW 40MHz, Chain A+B)<br>Measured Output Power (dBm) |         |             |         |         |             | Max. Limits (dBm) | Pass/Fail |
|---------|-----------------|-----------|---------------|--|---------|-------------|---------|---------|-------------|-------------------|-----------|
|         |                 |           |               | Average  |         |             | Peak    |         |             |                   |           |
|         |                 |           |               | Chain A  | Chain B | Total Power | Chain A | Chain B | Total Power |                   |           |
| 151     | 5755            | MCS8      | 20            | 19.90  | 19.53   | 22.73       | 25.48   | 25.36   | 28.43       | 30                | Pass      |
| 159     | 5795            | MCS8      | 20            | 19.80  | 19.53   | 22.68       | 25.55   | 25.38   | 28.48       | 30                | Pass      |



### **3.3 Band Edges Measurement**

#### **3.3.1 Limit of Band Edges**

In any 100 kHz bandwidth outside the intentional radiation frequency band, the radio frequency power shall be at least 20 dB below the highest level of the radiated power. If the output power of this device was measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB.

#### **3.3.2 Measuring Instruments**

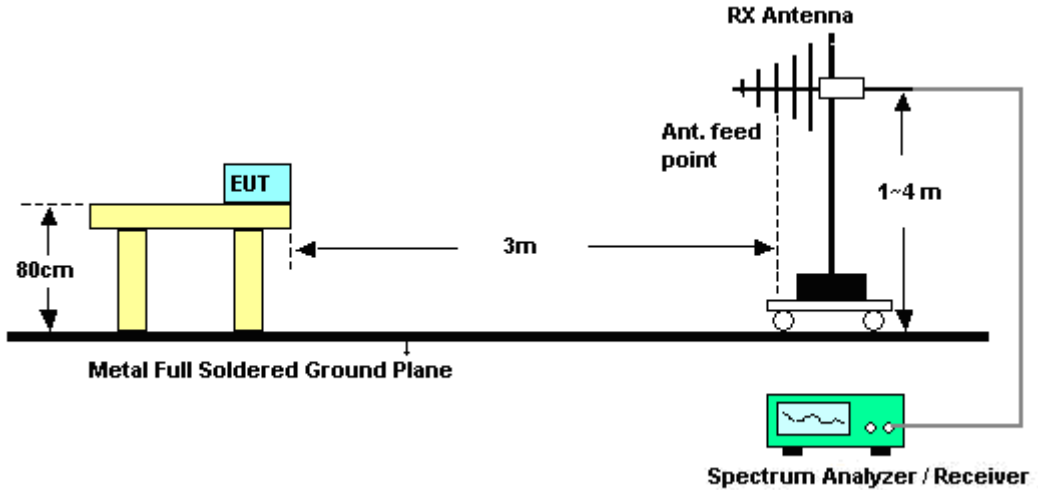
See list of measuring instruments of this test report.

#### **3.3.3 Test Procedures**

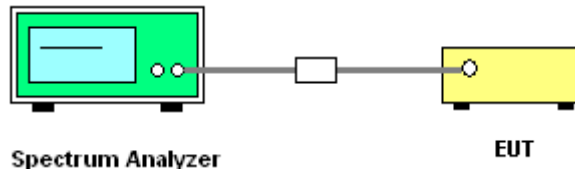
1. The testing follows the guidelines in FCC KDB Publication No. 558074 and FCC KDB Publication No. 558074 (Measurement Guidelines of DTS).
2. Conducted emission test: Set RBW  $\geq$  1% of the span, Video bandwidth (VBW)  $>$  RBW. Band edge emissions must be at least 20 dB below the highest emission level within the authorized band as measured with a 100 kHz RBW. Note: If the output power of this device was measured by power meter, the attenuation under this paragraph shall be 30 dB instead of 20 dB.
3. Radiated emission test: Apply to band edge emissions that fall in the restricted bands listed in FCC Section 15.205. The maximum permitted average field strength is listed in FCC Section 15.209. A pre-amp is necessary for this measurement. For measurements above 1 GHz, set RBW = 1MHz, VBW = 10 Hz, Sweep=Auto. If the emission is pulsed, modify the unit for continuous operation; use the settings shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation as in FCC Section 15.35(b) and (c).

### 3.3.4 Test Setup

<Radiated Band Edges>



<Conducted Band Edges>



### 3.3.5 Test Result of Radiated Band Edges

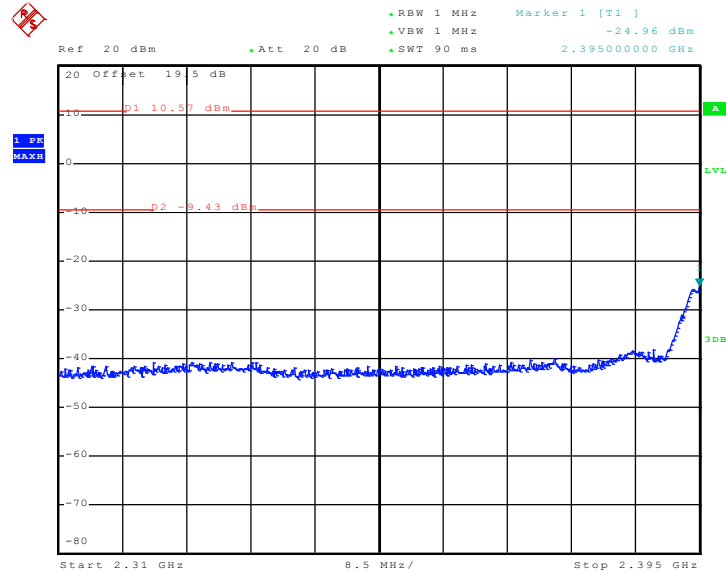
Please refer to Appendix A to E.



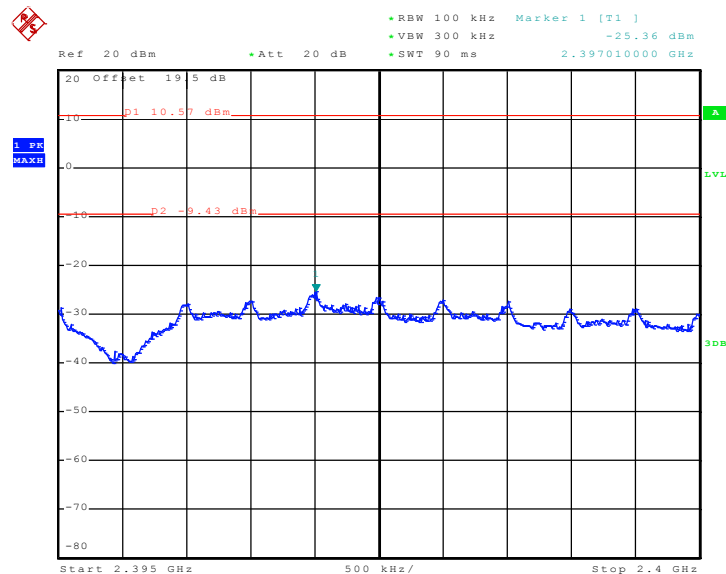
### 3.3.6 Test Result of Conducted Band Edges

|                |              |                     |         |
|----------------|--------------|---------------------|---------|
| Test Mode :    | Mode 1 and 5 | Temperature :       | 25~27°C |
| Test Band :    | 802.11b      | Relative Humidity : | 51~54%  |
| Test Channel : | 01 and 11    | Test Engineer :     | Ken Hsu |

Low Band Edge Plot on 802.11b Channel 01 - Chain A



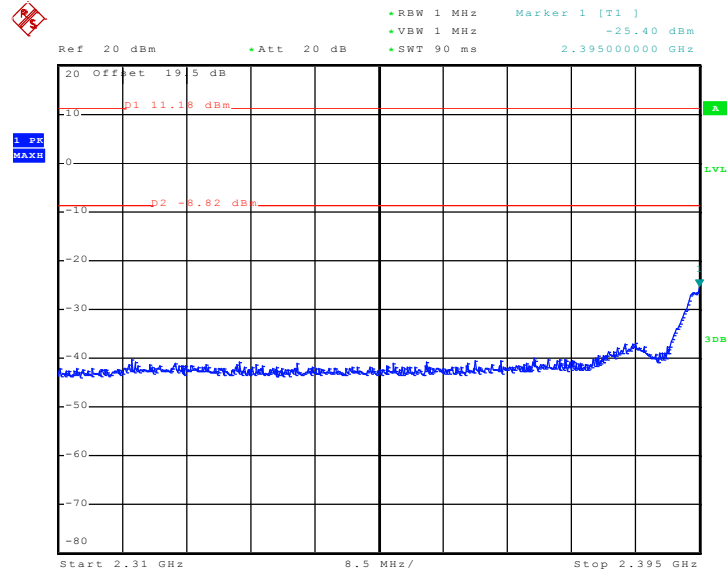
Date: 9.NOV.2010 02:24:22



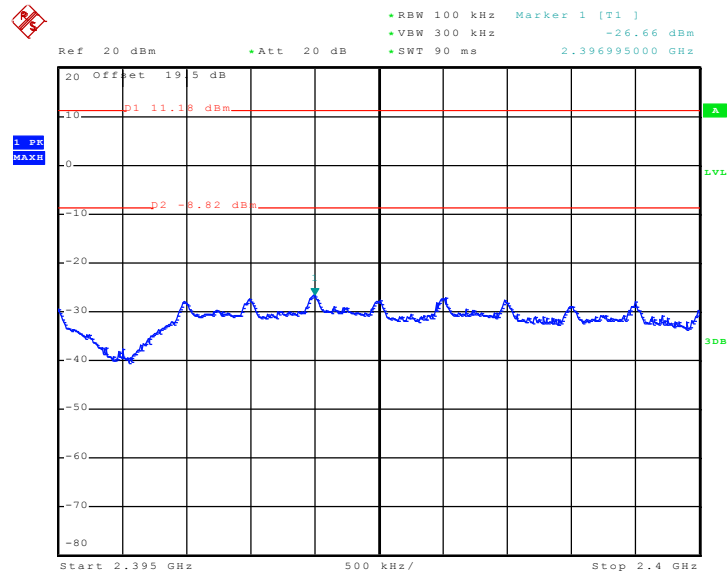
Date: 9.NOV.2010 02:24:44



Low Band Edge Plot on 802.11b Channel 01 - Chain B



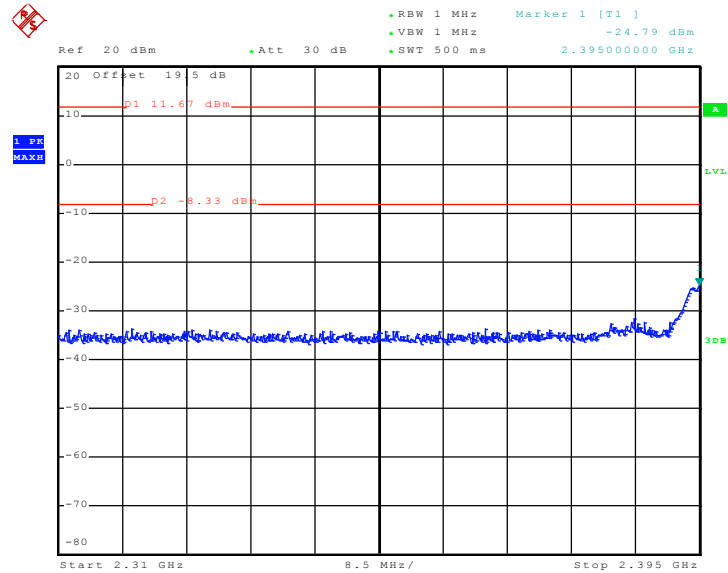
Date: 9.NOV.2010 02:35:03



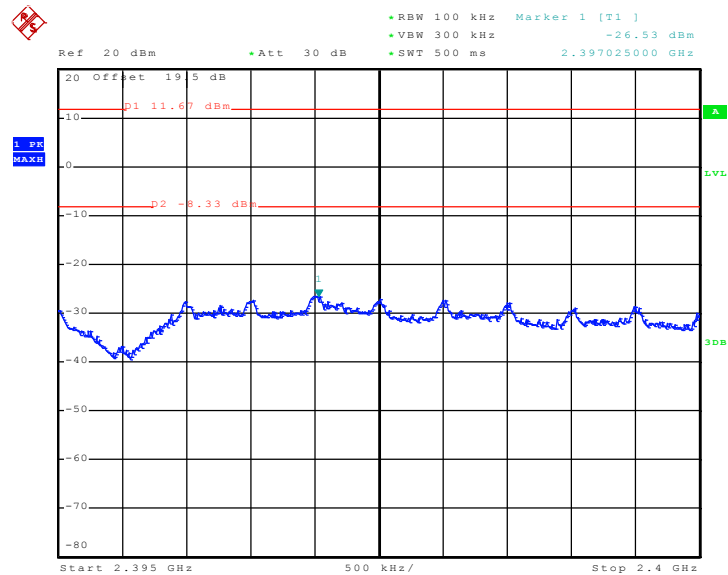
Date: 9.NOV.2010 02:35:24



Low Band Edge Plot on 802.11b Channel 01 - Chain A+B(A)



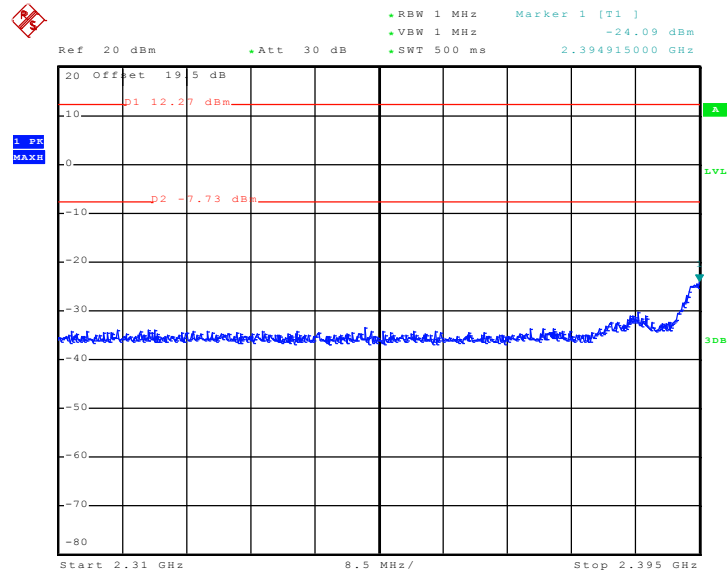
Pra01  
Date: 7.NOV.2010 15:26:05



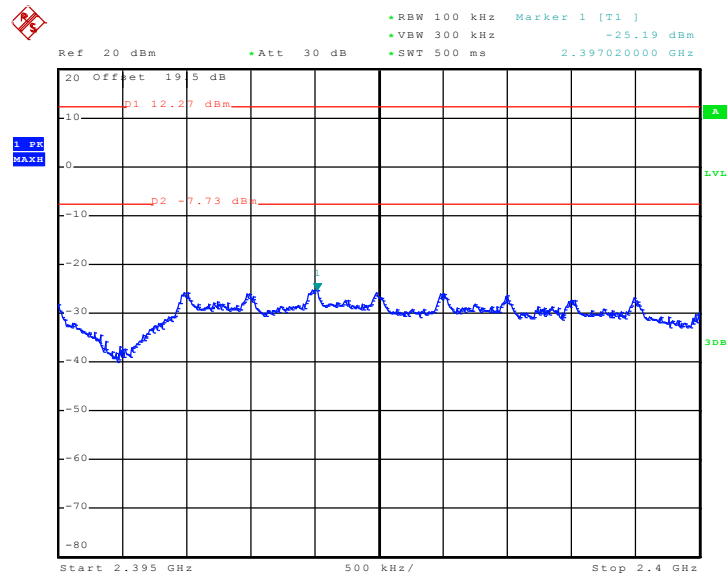
Pra01  
Date: 7.NOV.2010 15:26:12



Low Band Edge Plot on 802.11b Channel 01 - Chain A+B(B)



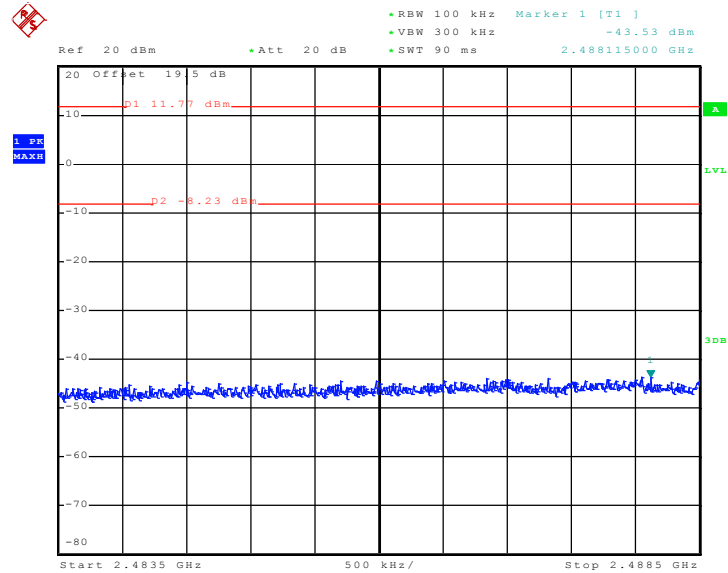
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Date: 7.NOV.2010 15:40:04



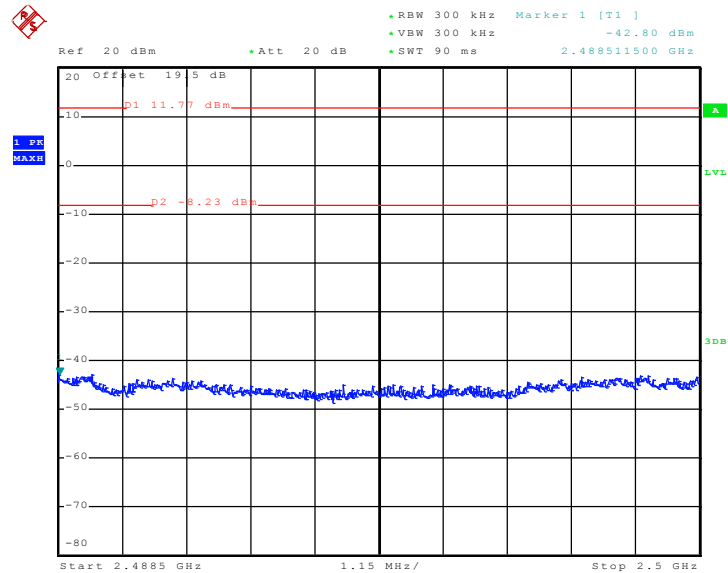
Pra01  
Date: 7.NOV.2010 15:40:11



High Band Edge Plot on 802.11b Channel 11 - Chain A



Date: 9.NOV.2010 02:28:33

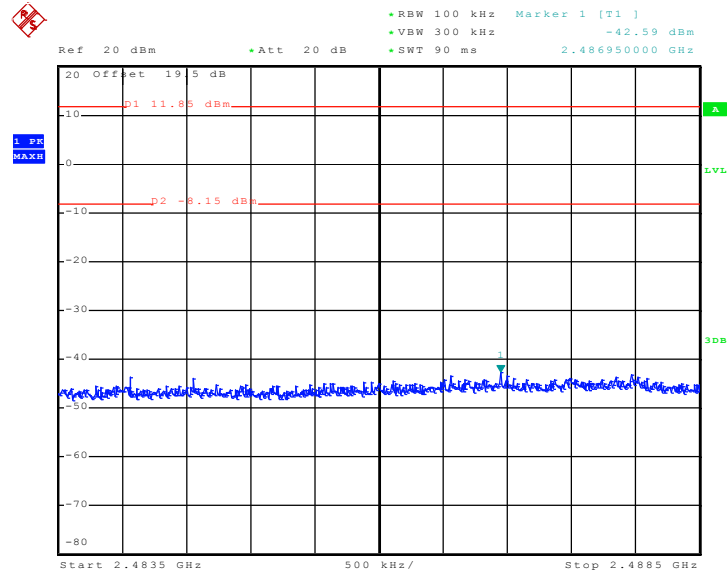


Date: 9.NOV.2010 02:28:11

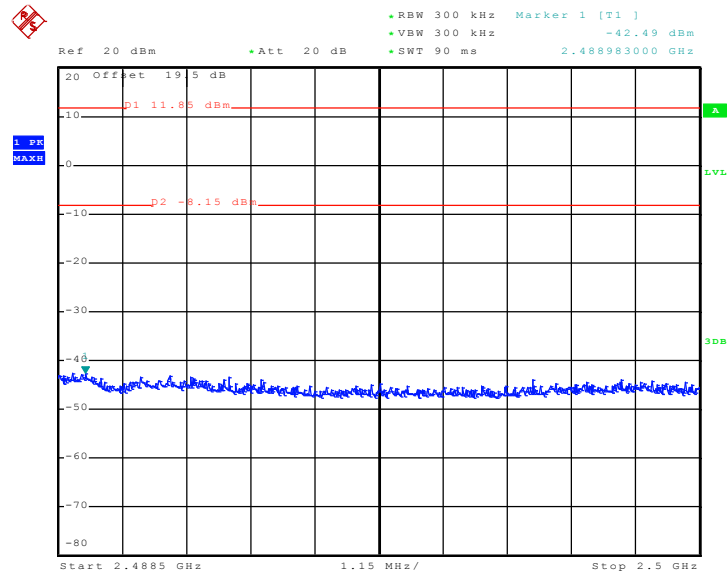




High Band Edge Plot on 802.11b Channel 11 - Chain B



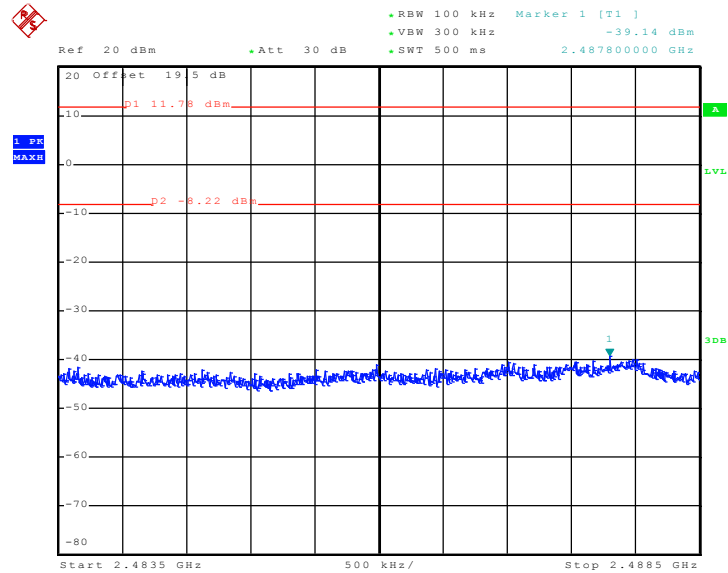
Date: 9.NOV.2010 02:32:15



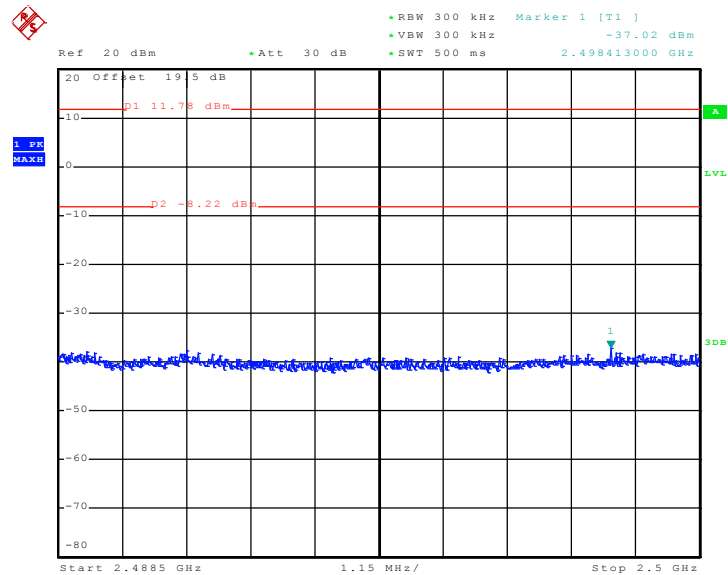
Date: 9.NOV.2010 02:31:54



High Band Edge Plot on 802.11b Channel 11 - Chain A+B(A)



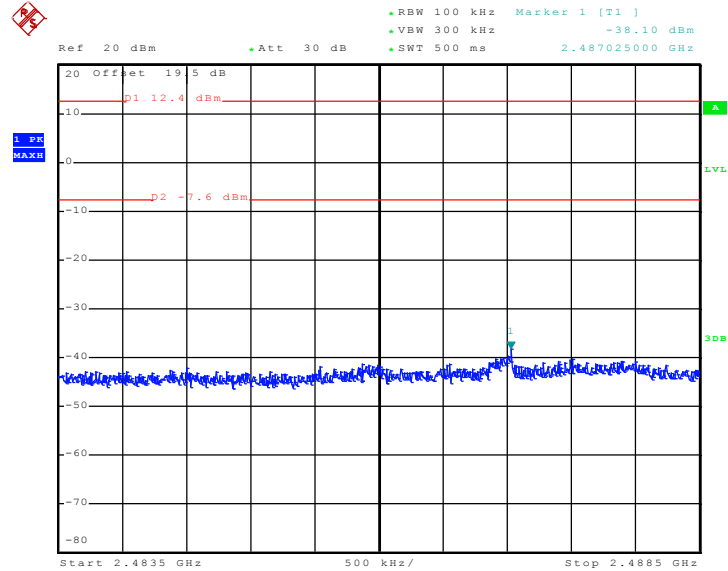
Pra01  
Date: 7.NOV.2010 17:05:15



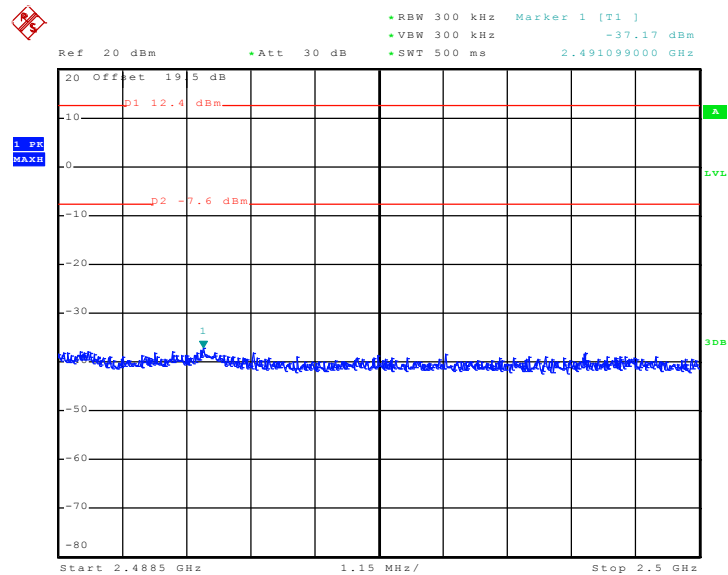
Pra01  
Date: 7.NOV.2010 17:05:08



High Band Edge Plot on 802.11b Channel 11 - Chain A+B(B)



Pra01  
Date: 7.NOV.2010 17:16:44

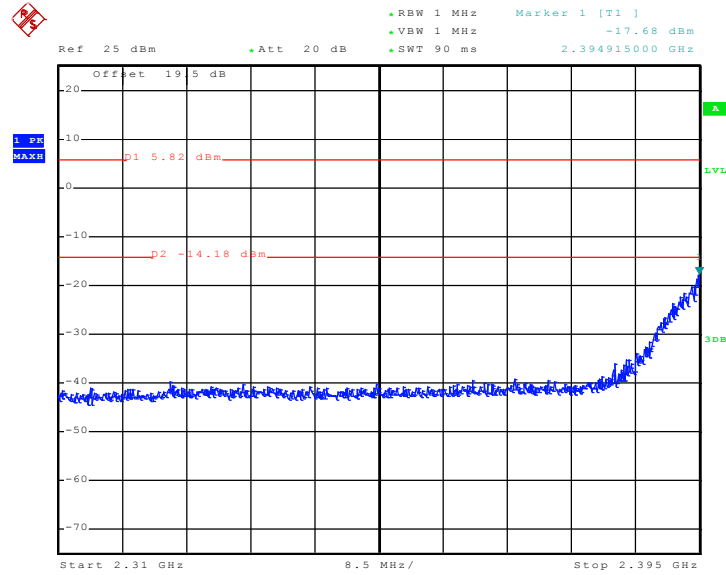


Pra01  
Date: 7.NOV.2010 17:16:38

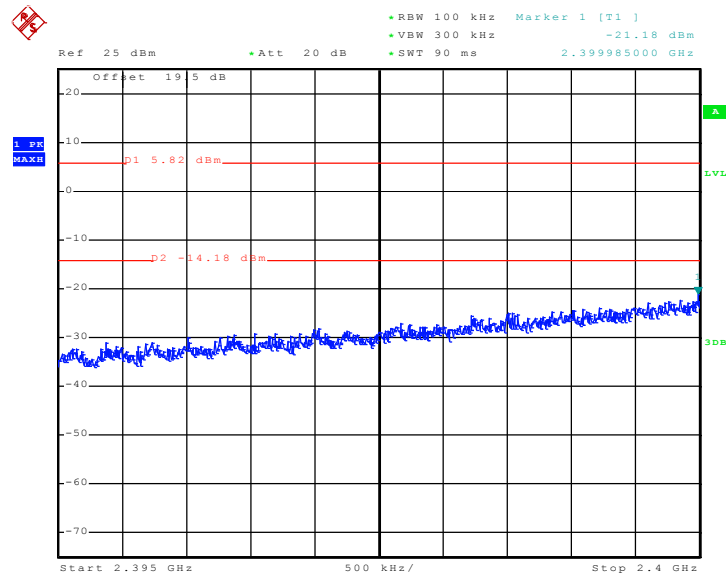


|                |               |                     |         |
|----------------|---------------|---------------------|---------|
| Test Mode :    | Mode 6 and 10 | Temperature :       | 25~27°C |
| Test Band :    | 802.11g       | Relative Humidity : | 51~54%  |
| Test Channel : | 01 and 11     | Test Engineer :     | Ken Hsu |

Low Band Edge Plot on 802.11g Channel 01 - Chain A



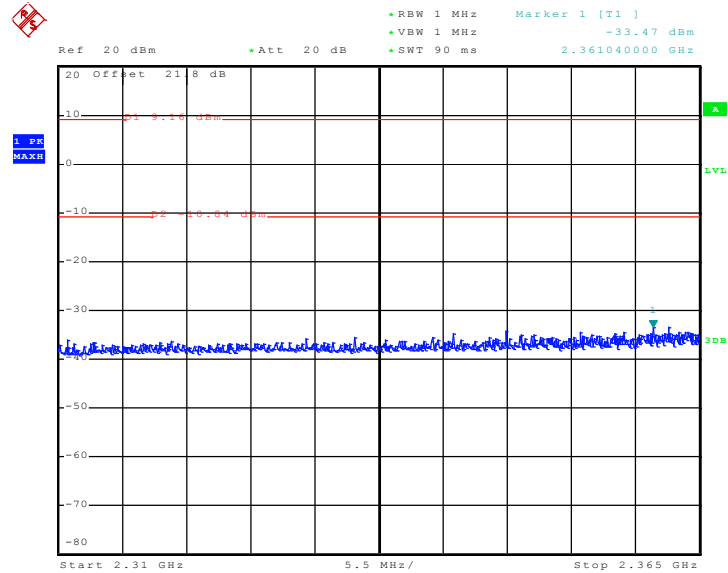
Date: 1.NOV.2010 02:48:22



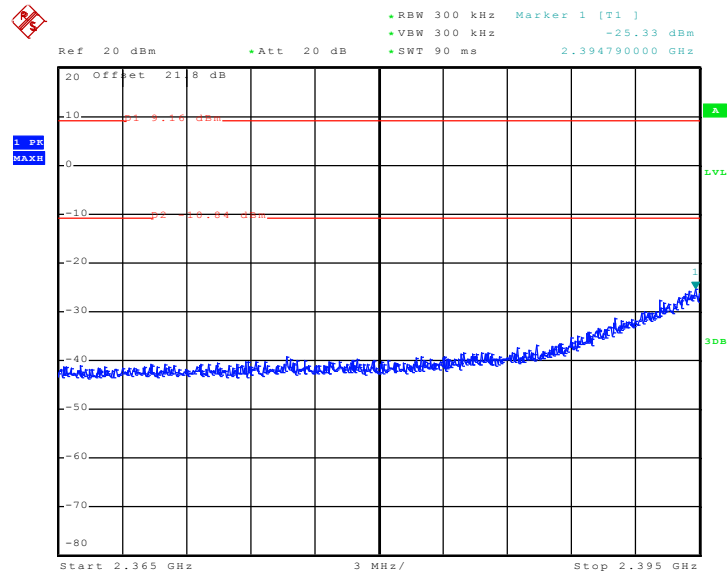
Date: 1.NOV.2010 02:48:29



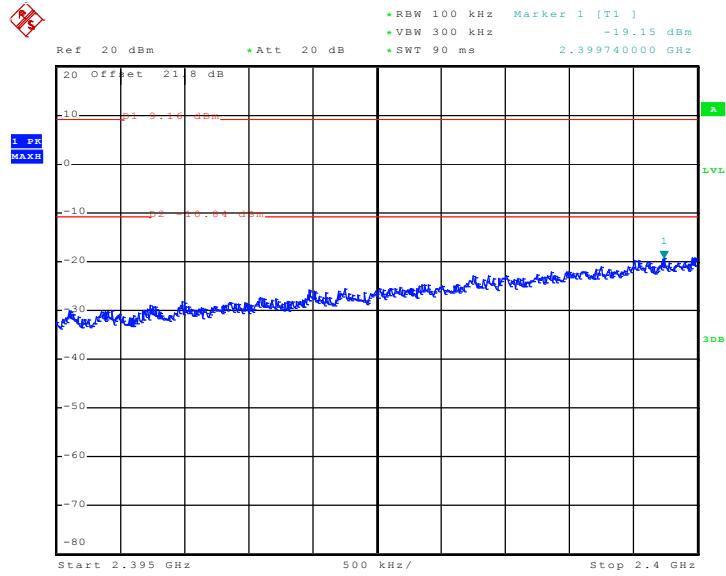
Low Band Edge Plot on 802.11g Channel 01 - Chain B



Date: 17.NOV.2010 18:09:46



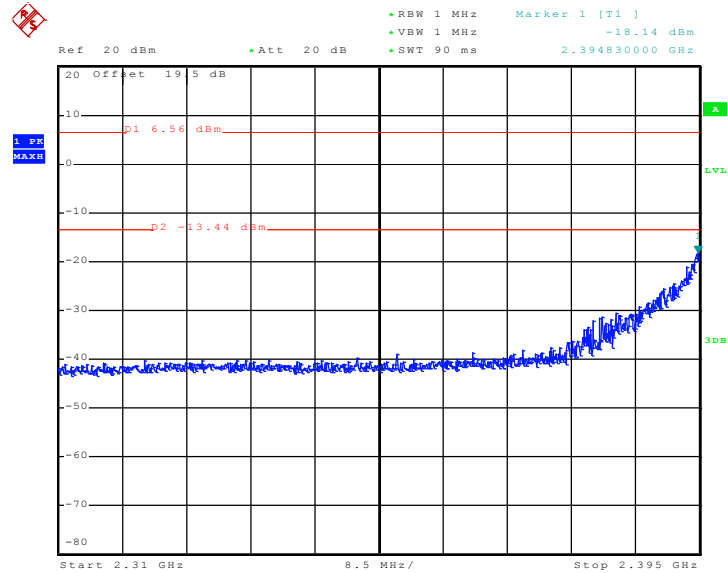
Date: 17.NOV.2010 18:10:08



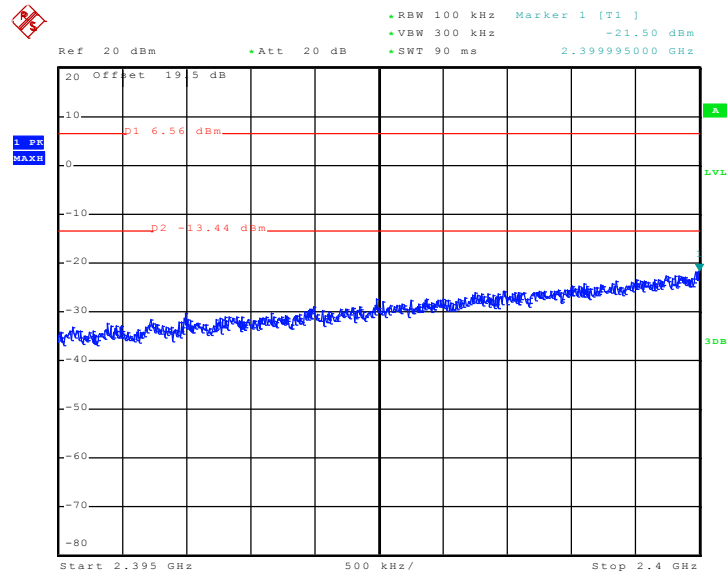
Date: 17.NOV.2010 18:10:29



Low Band Edge Plot on 802.11g Channel 01 - Chain A+B(A)



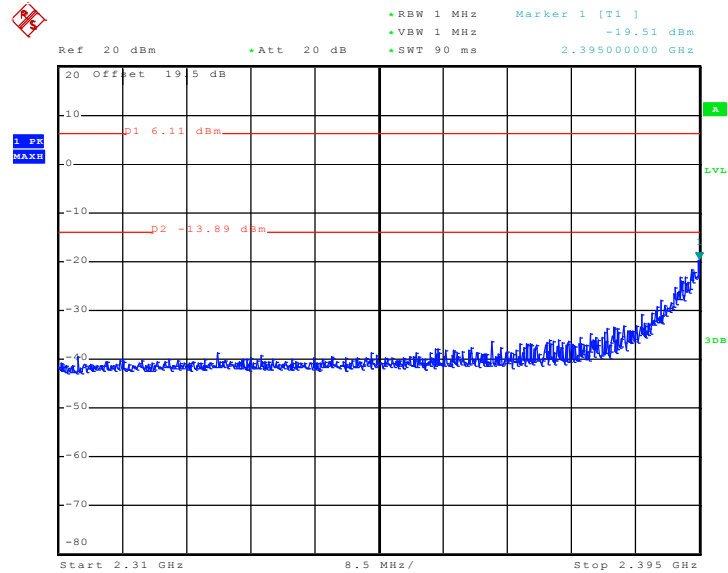
Date: 8.NOV.2010 09:20:51



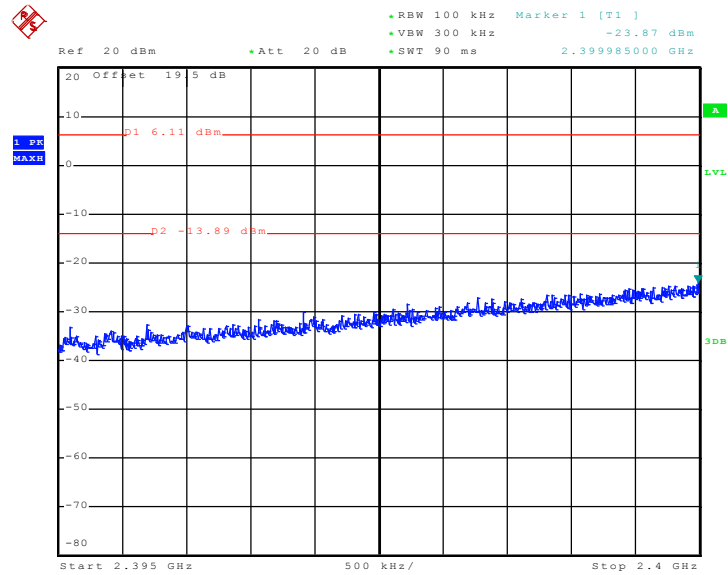
Date: 8.NOV.2010 09:20:58



Low Band Edge Plot on 802.11g Channel 01 - Chain A+B(B)



Date: 8.NOV.2010 09:37:02

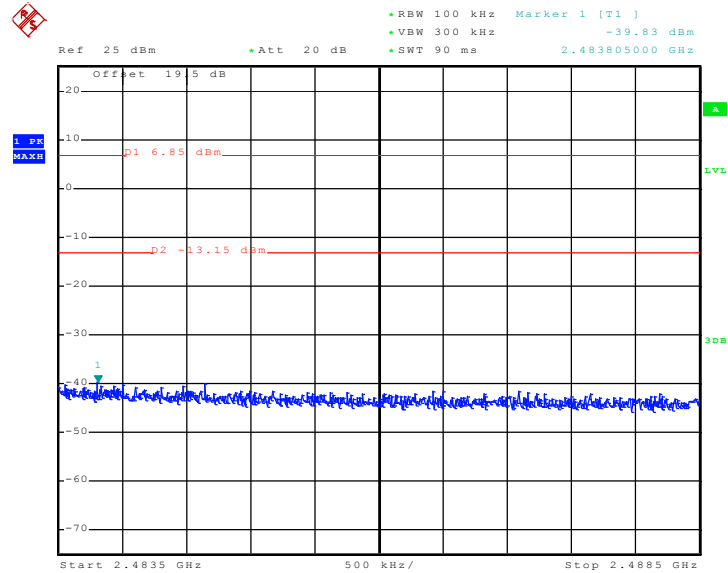


Date: 8.NOV.2010 09:37:09

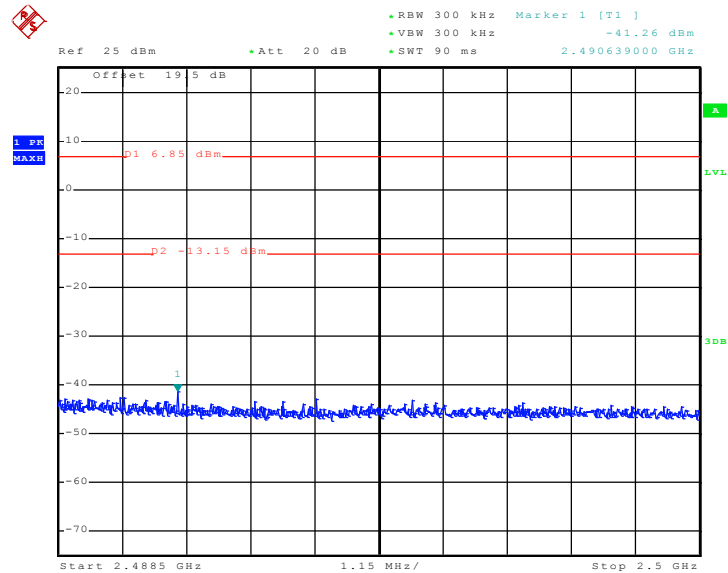




High Band Edge Plot on 802.11g Channel 11 - Chain A



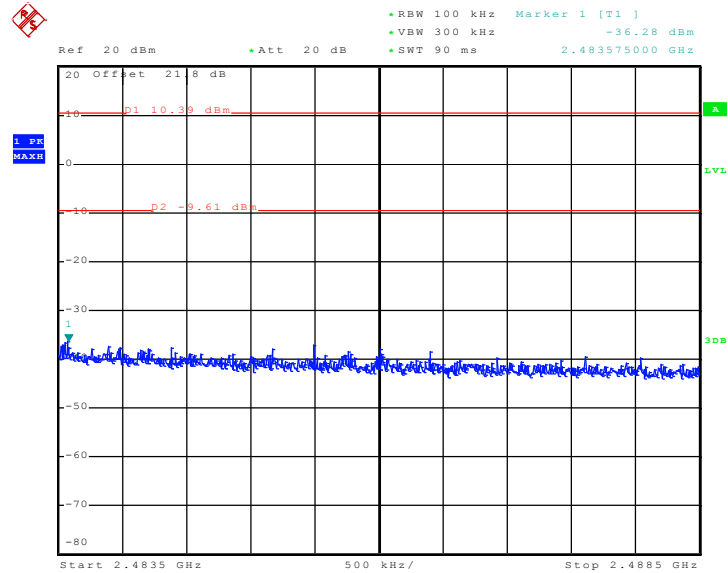
Date: 1.NOV.2010 03:43:09



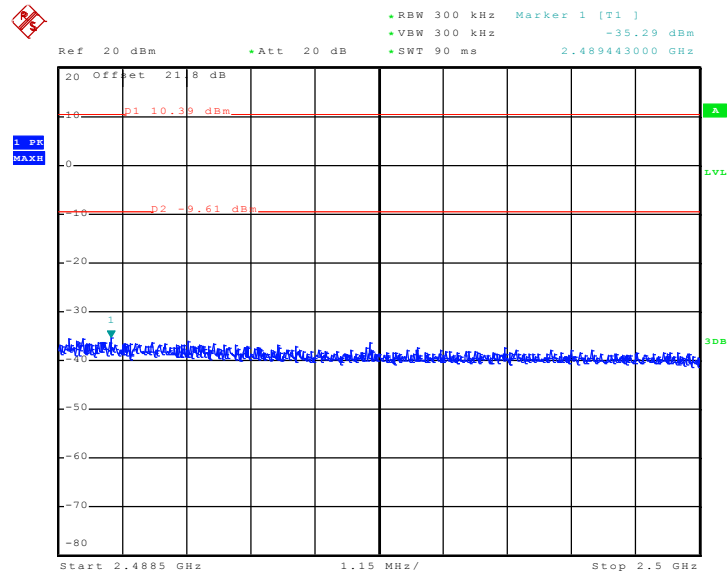
Date: 1.NOV.2010 03:43:03



High Band Edge Plot on 802.11g Channel 11 - Chain B



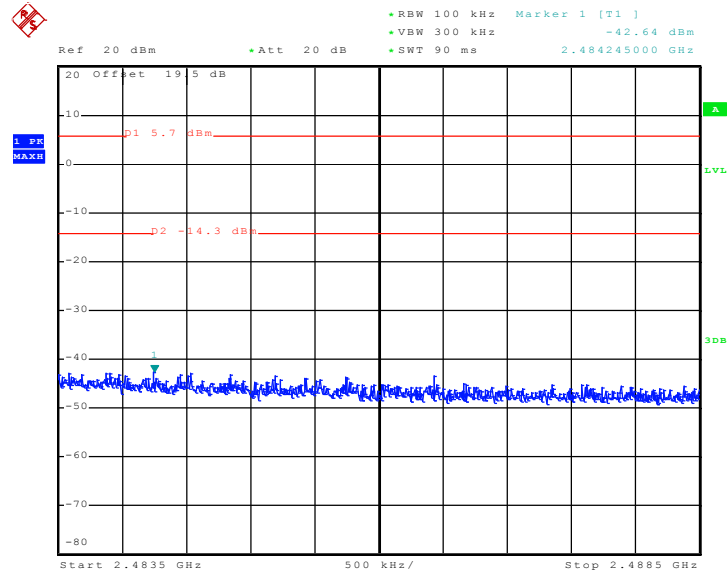
Date: 17.NOV.2010 19:00:24



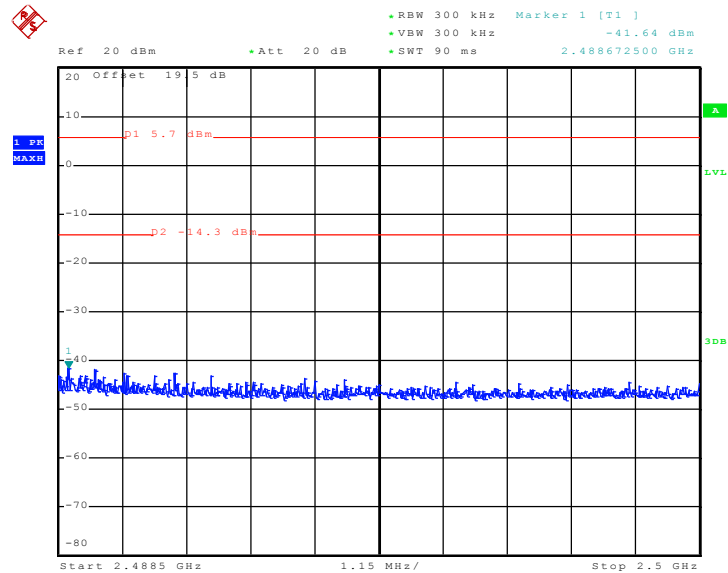
Date: 17.NOV.2010 19:00:03



High Band Edge Plot on 802.11g Channel 11 - Chain A+B(A)



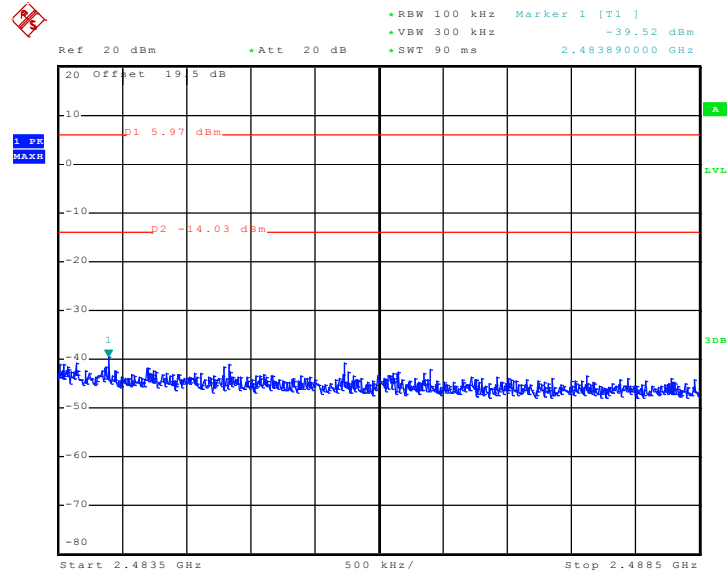
Date: 8.NOV.2010 11:29:05



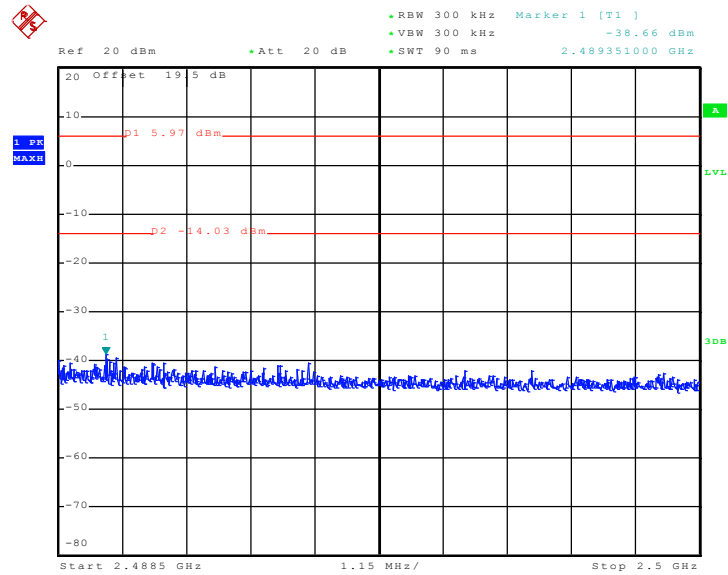
Date: 8.NOV.2010 11:28:58



High Band Edge Plot on 802.11g Channel 11 - Chain A+B(B)



Date: 8.NOV.2010 12:35:39

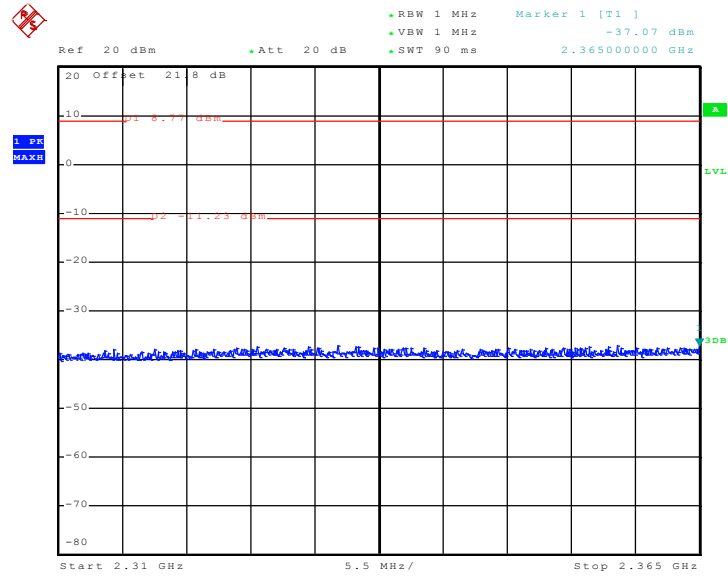


Date: 8.NOV.2010 12:35:33

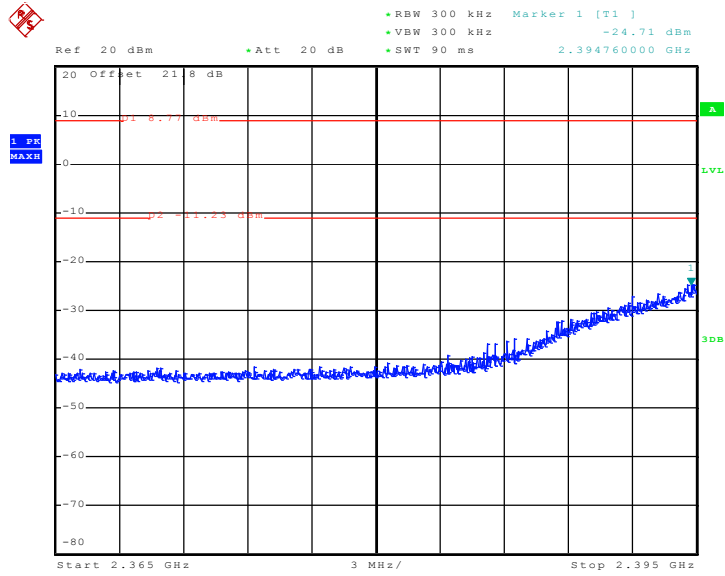


|                |                    |                     |         |
|----------------|--------------------|---------------------|---------|
| Test Mode :    | Mode 11 and 15     | Temperature :       | 25~27°C |
| Test Band :    | 802.11n (BW 20MHz) | Relative Humidity : | 51~54%  |
| Test Channel : | 01 and 11          | Test Engineer :     | Ken Hsu |

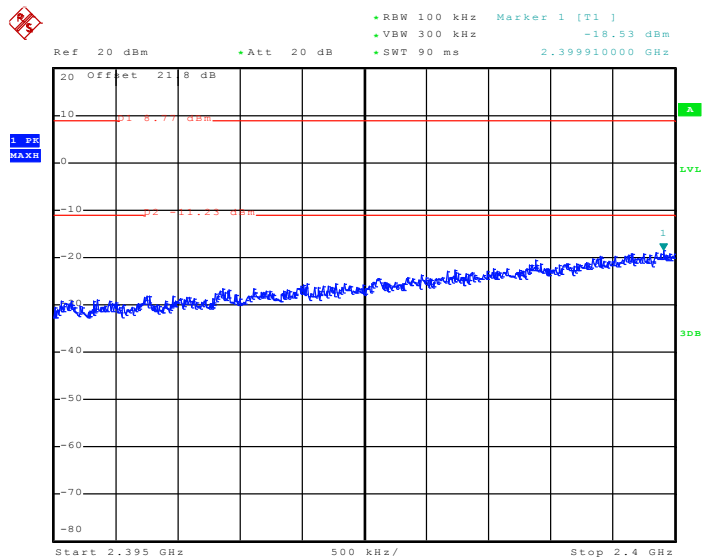
Low Band Edge Plot on 802.11n (BW 20MHz) Channel 01 - Chain A



Date: 17.NOV.2010 16:28:25



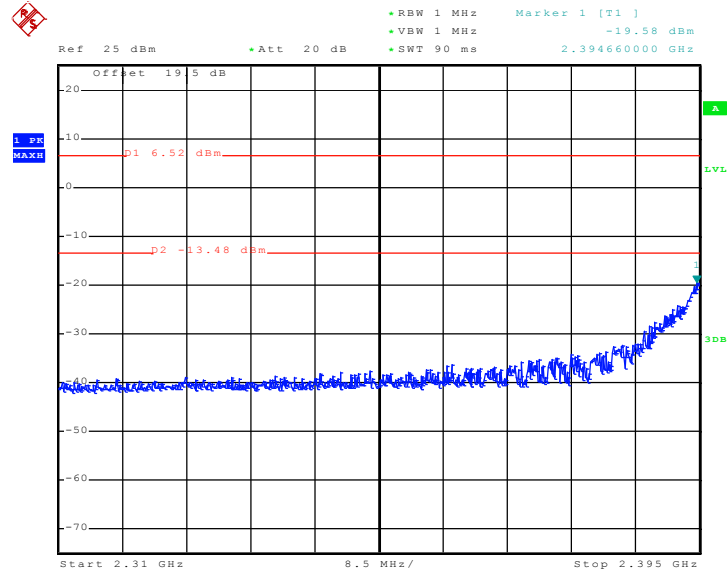
Date: 17.NOV.2010 16:28:47



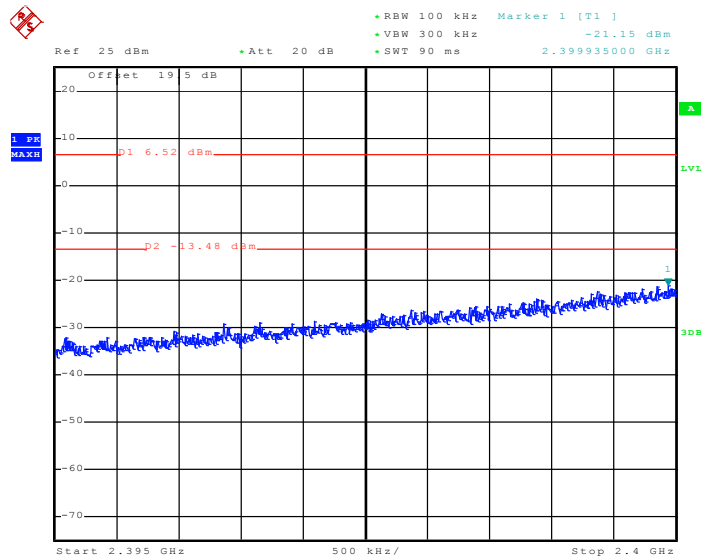
Date: 17.NOV.2010 16:29:09



Low Band Edge Plot on 802.11n (BW 20MHz) Channel 01 - Chain B



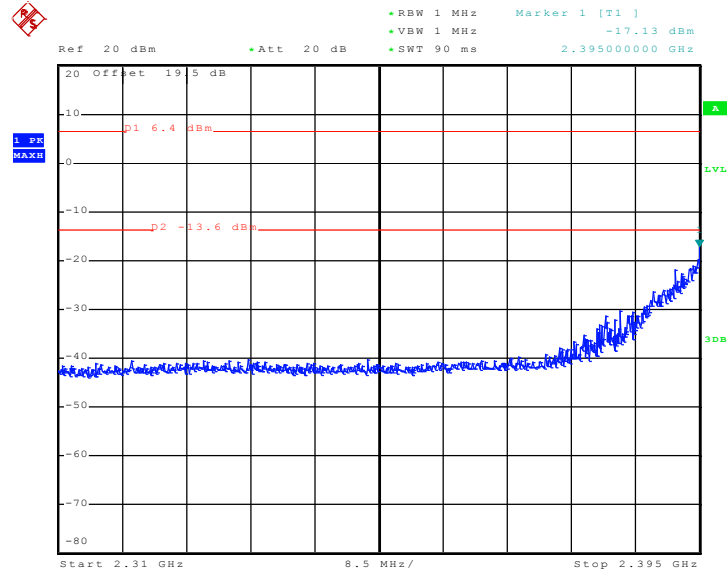
Date: 1.NOV.2010 03:57:27



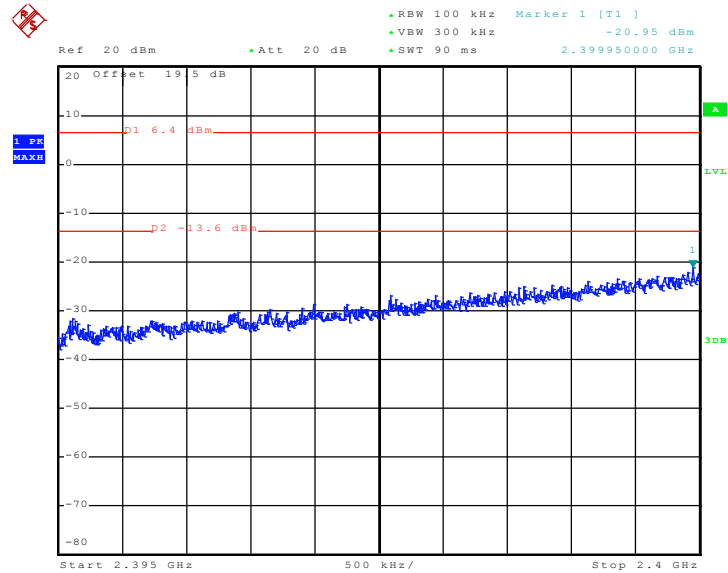
Date: 1.NOV.2010 03:57:34



### Low Band Edge Plot on 802.11n (BW 20MHz) Channel 01 - Chain A+B(A)



Date: 8.NOV.2010 13:28:04



Date: 8.NOV.2010 13:28:11