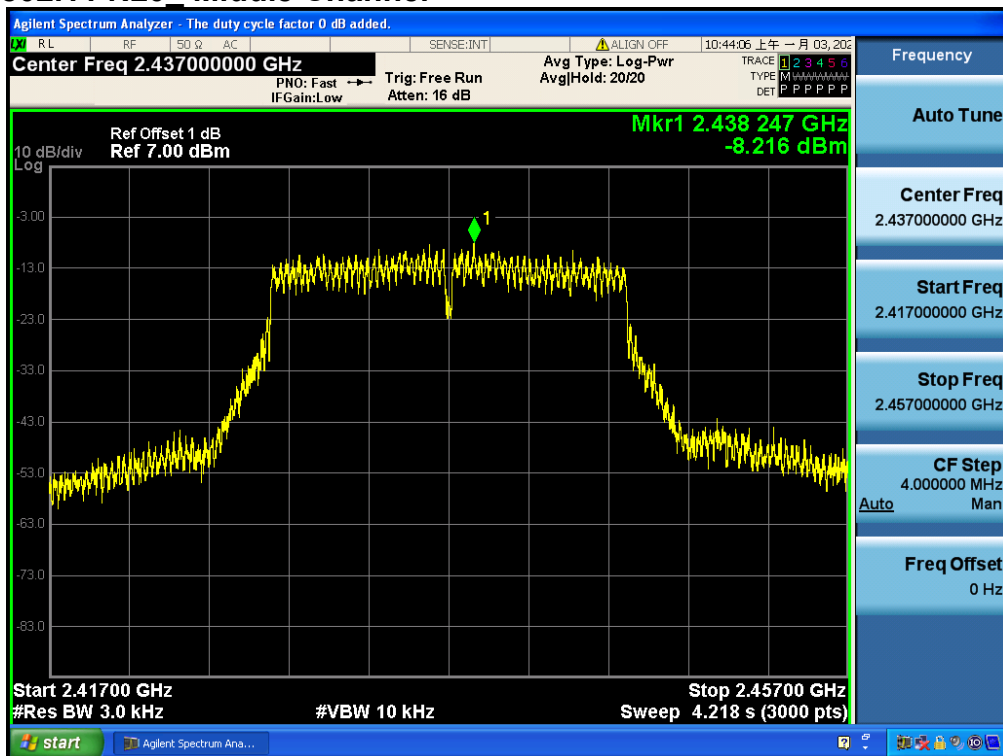
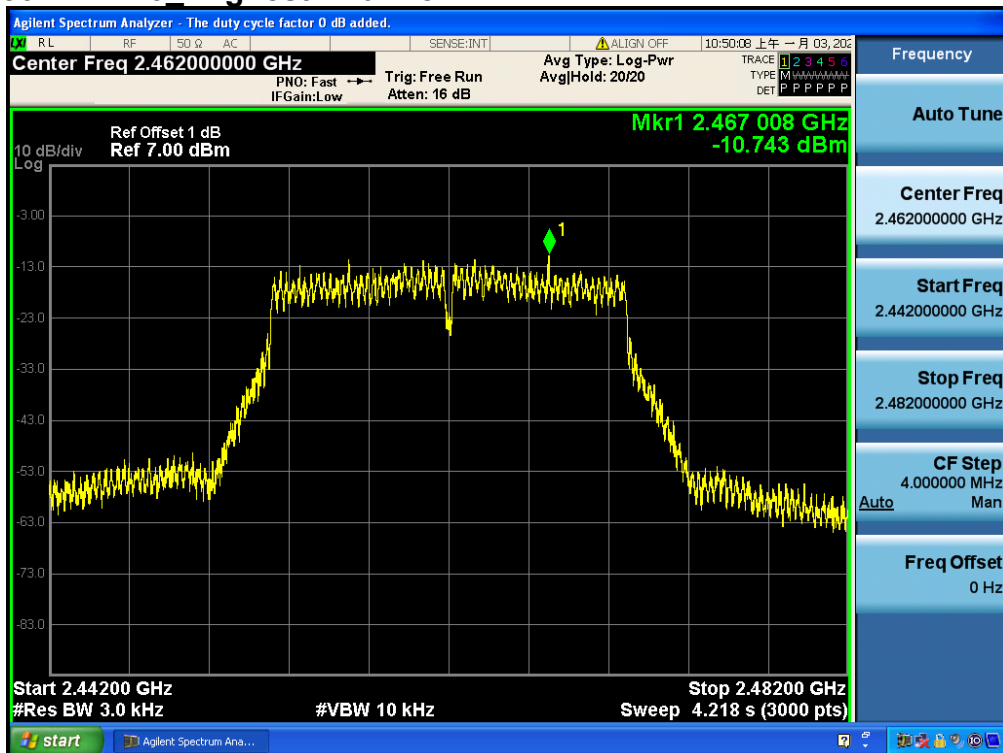


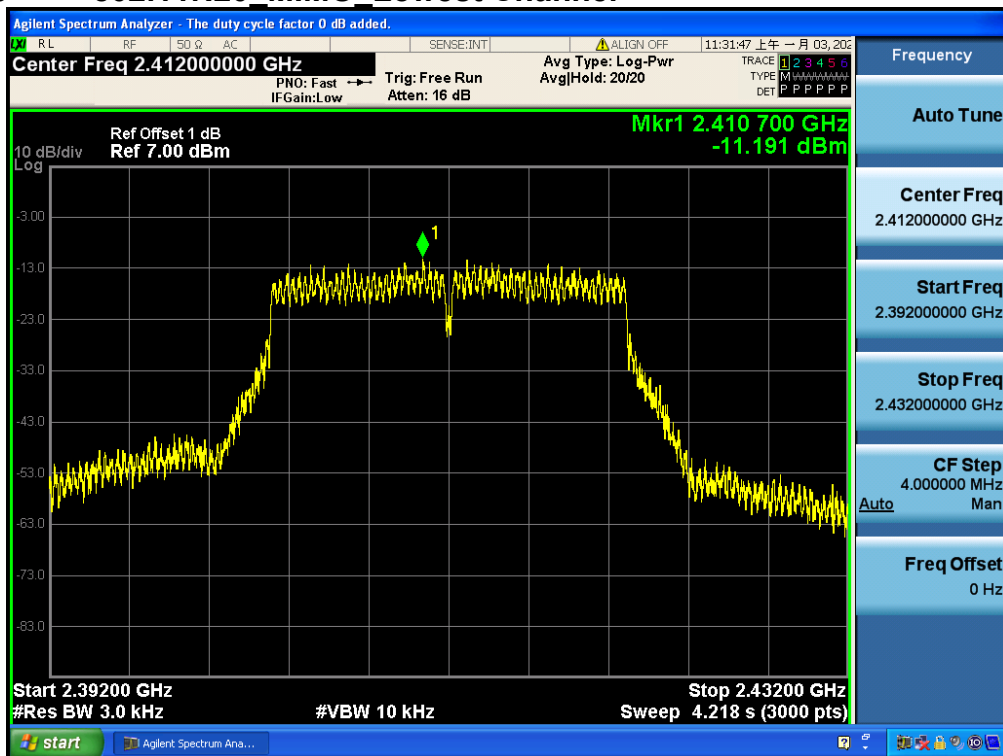
#### 4.6.2.1.8 802.11 N20\_Middle Channel



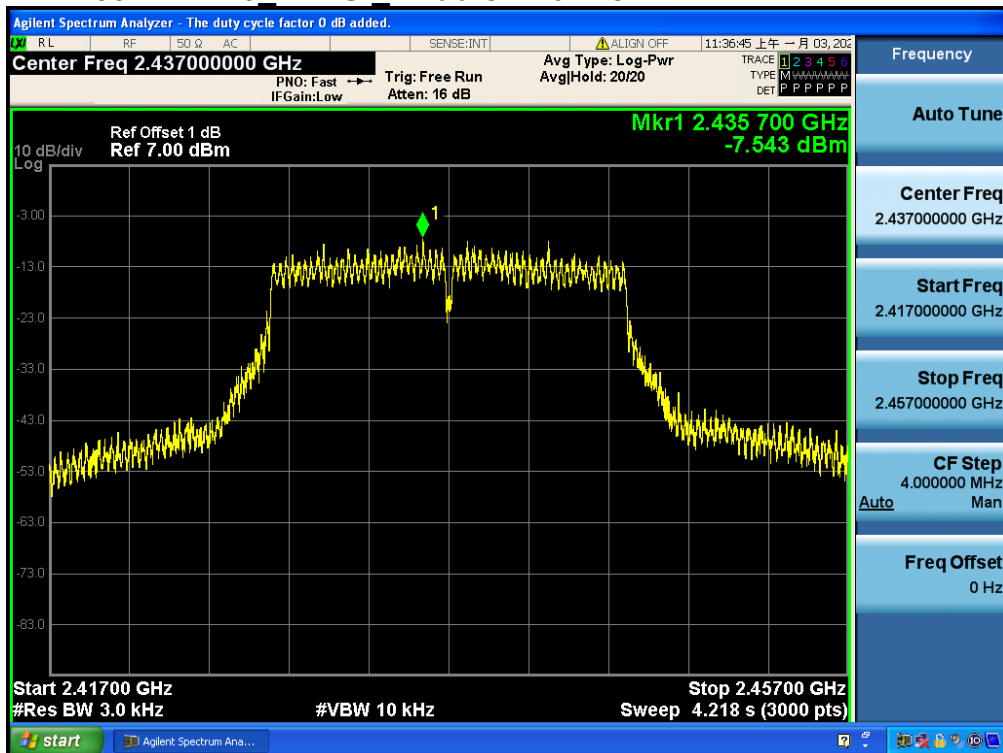
#### 4.6.2.1.9 802.11 N20\_Highest Channel



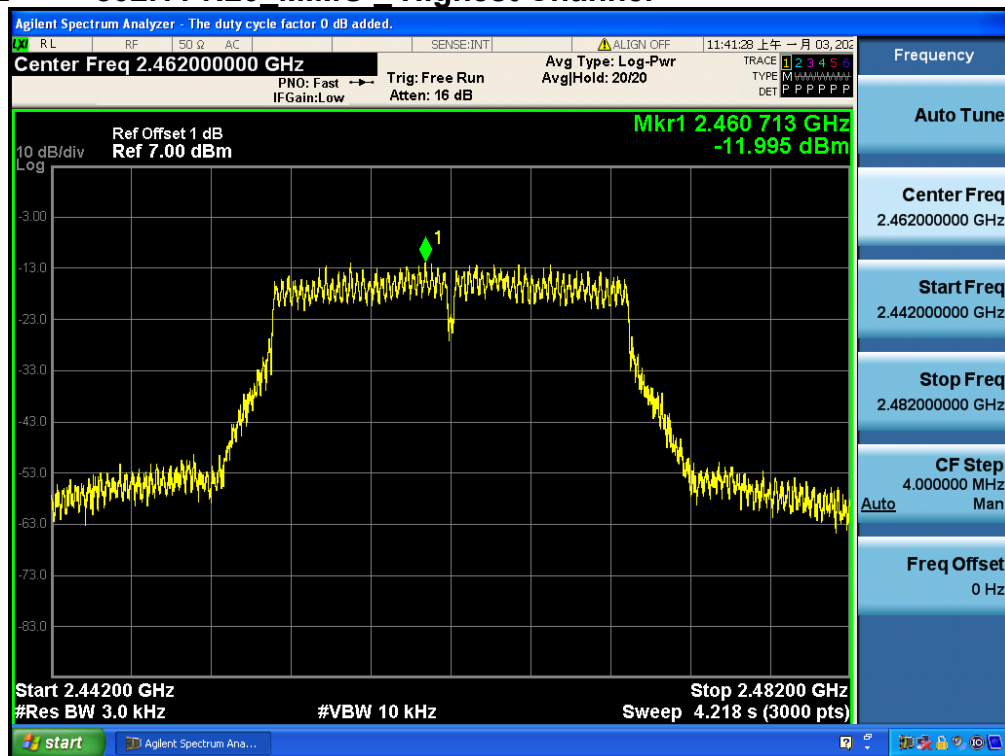
#### 4.6.2.1.10 802.11N20\_MIMO\_Lowest Channel



#### 4.6.2.1.11 802.11 N20\_MIMO\_Middle Channel



#### 4.6.2.1.12 802.11 N20 MIMO Highest Channel



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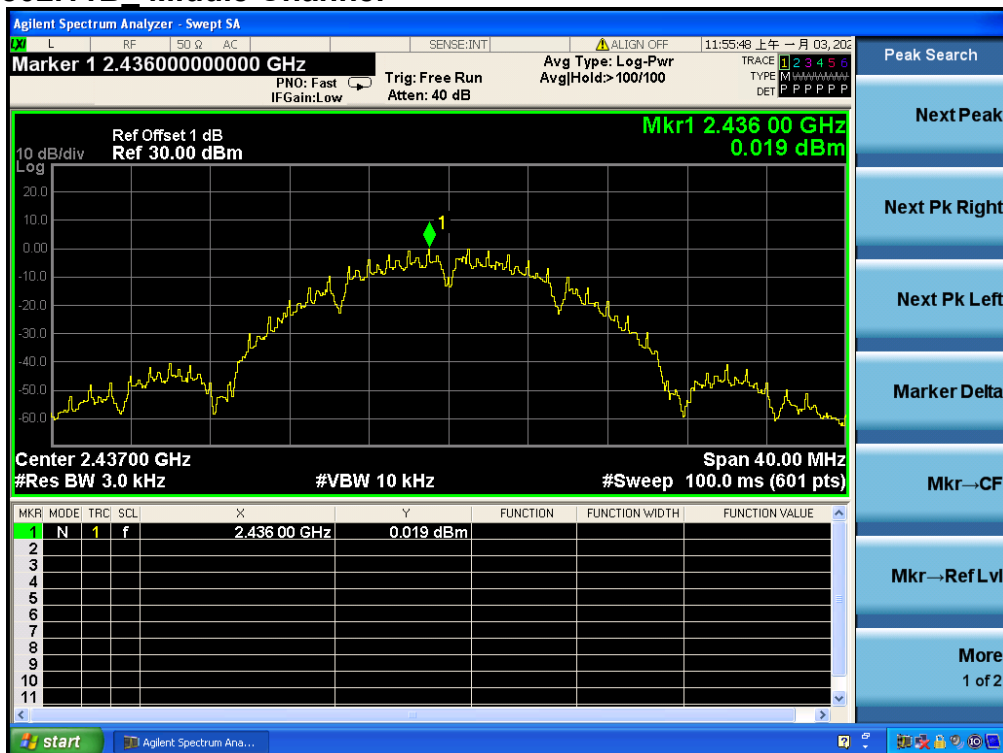
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## 4.6.2.2 ANT2

### 4.6.2.2.1 802.11B Lowest Channel



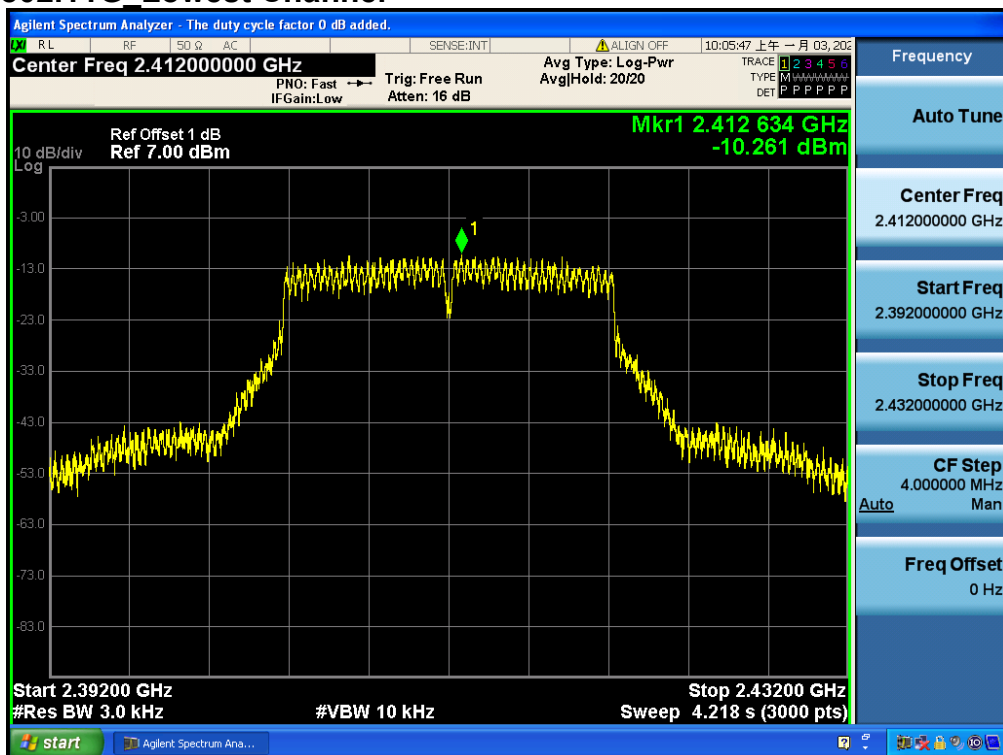
### 4.6.2.2.2 802.11B Middle Channel



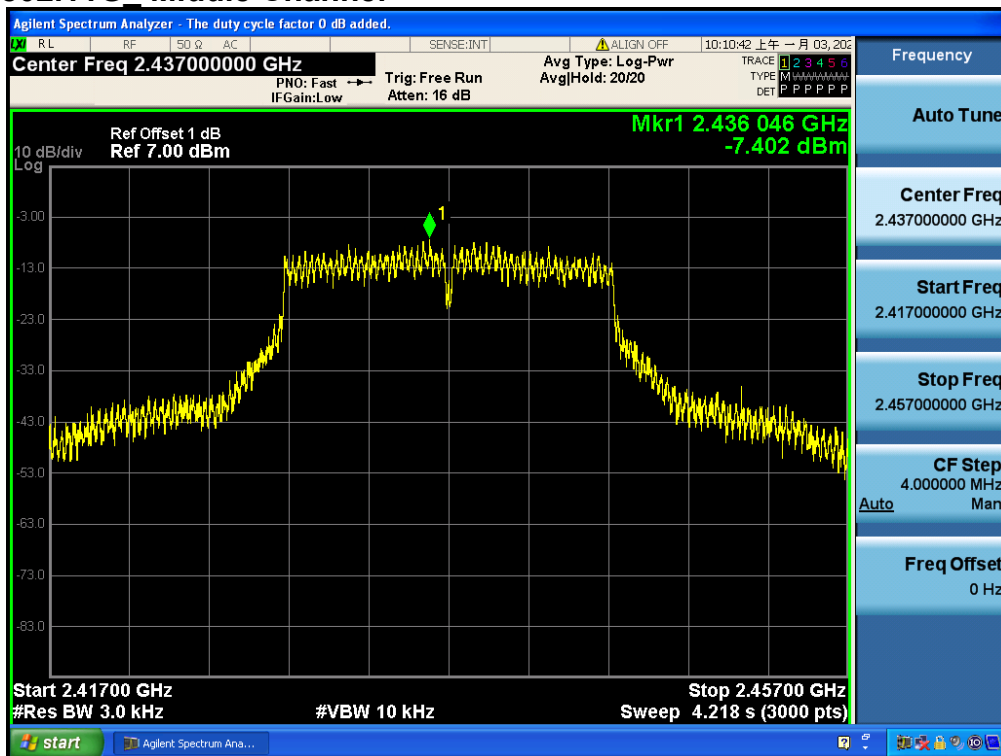
## 4.6.2.2.3 802.11B\_Highest Channel



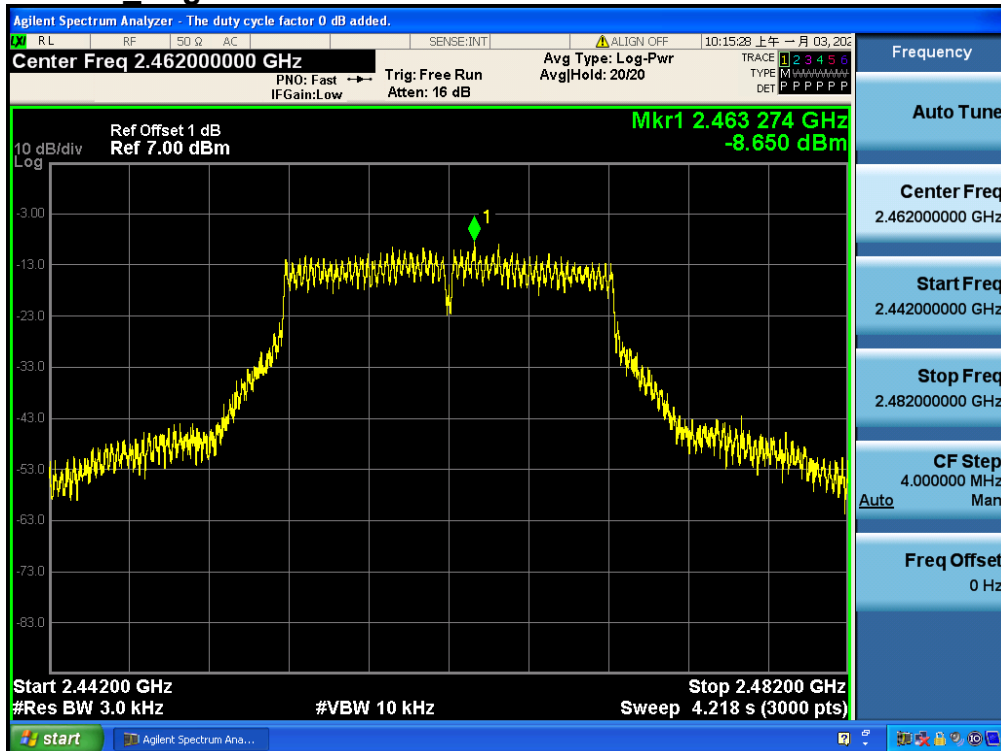
## 4.6.2.2.4 802.11G\_Lowest Channel



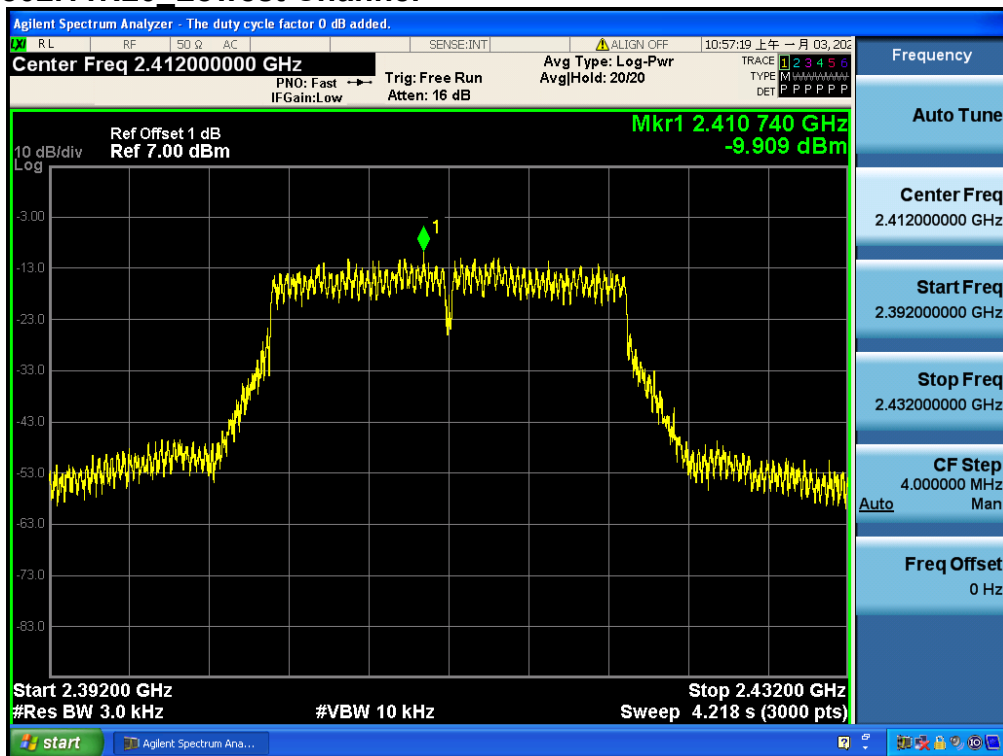
#### 4.6.2.2.5 802.11G\_Middle Channel



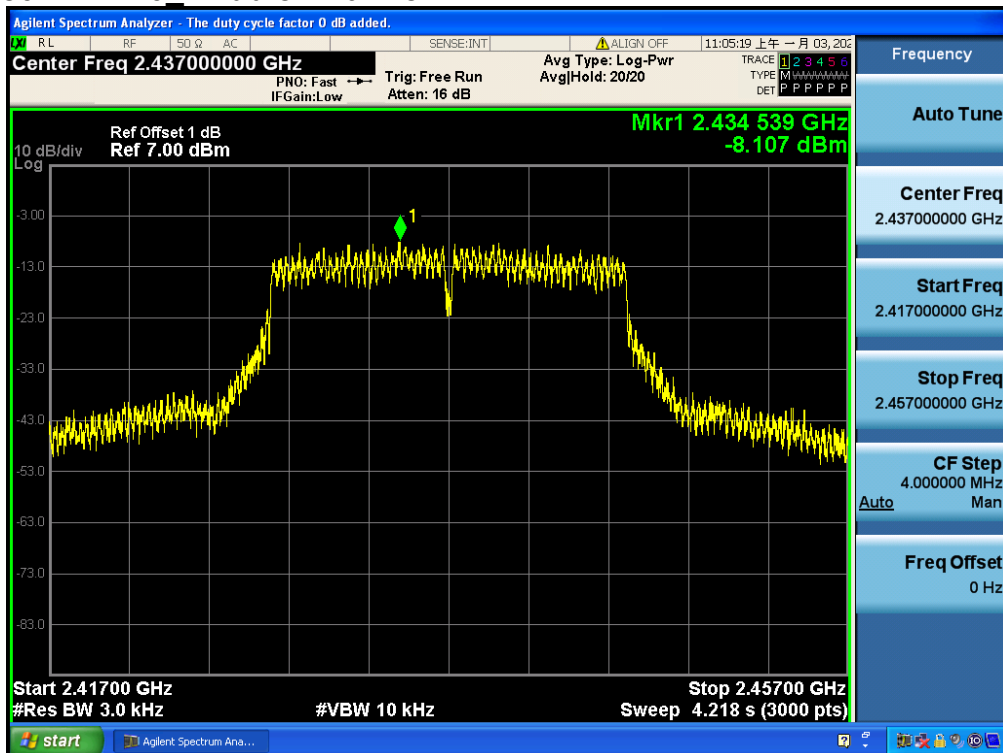
#### 4.6.2.2.6 802.11G\_Highest Channel



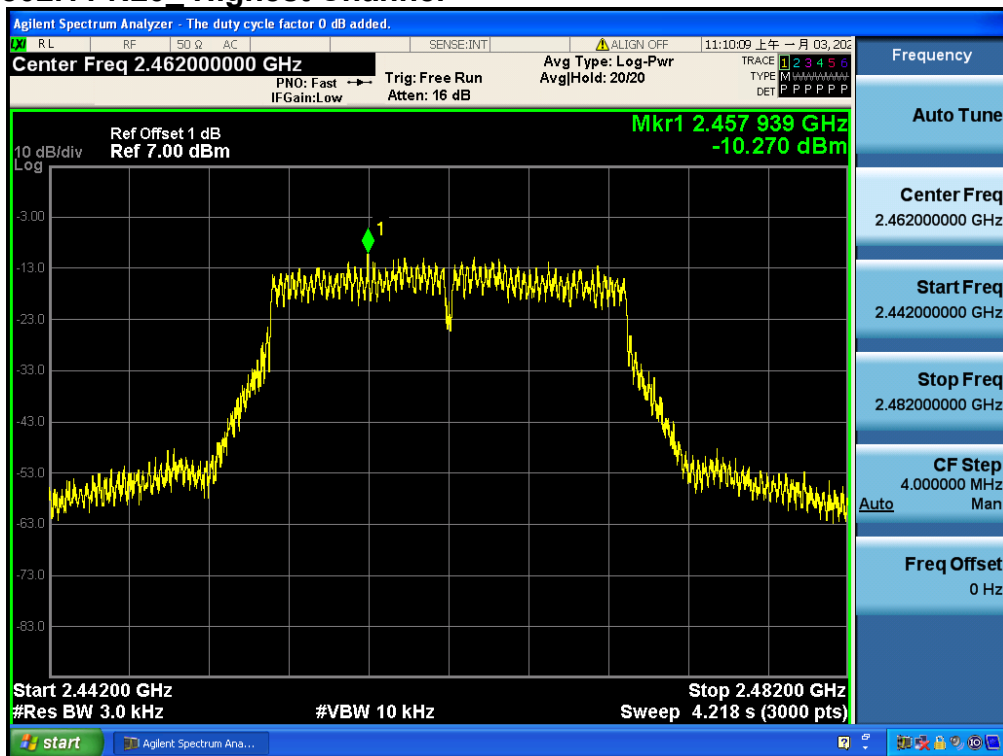
#### 4.6.2.2.7 802.11N20 Lowest Channel



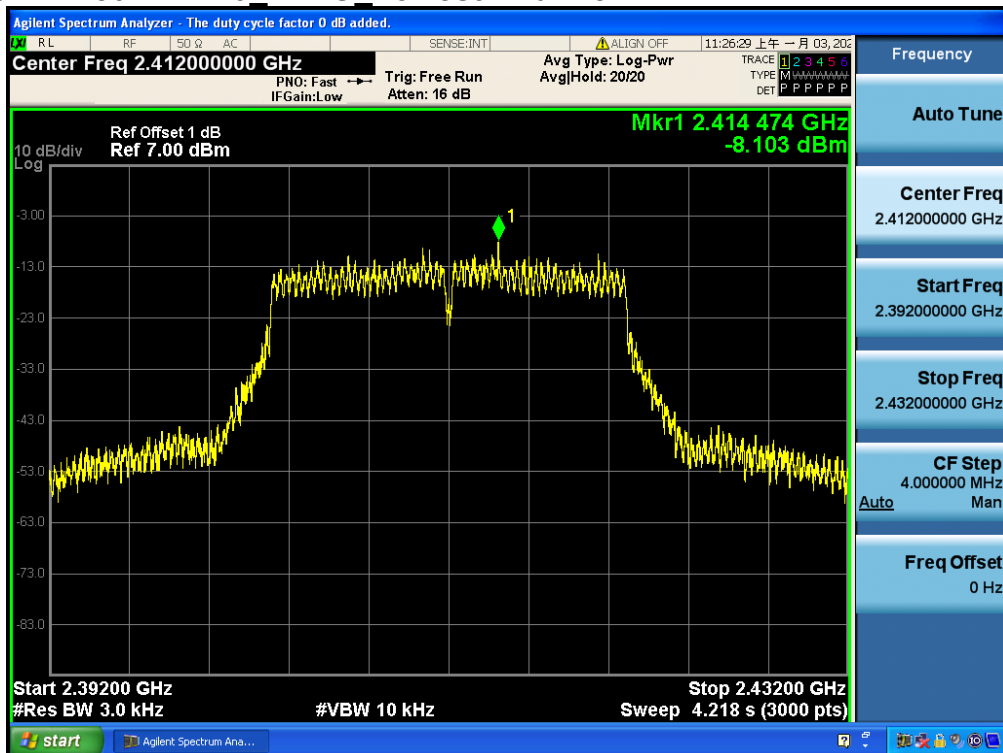
#### 4.6.2.2.8 802.11 N20 Middle Channel



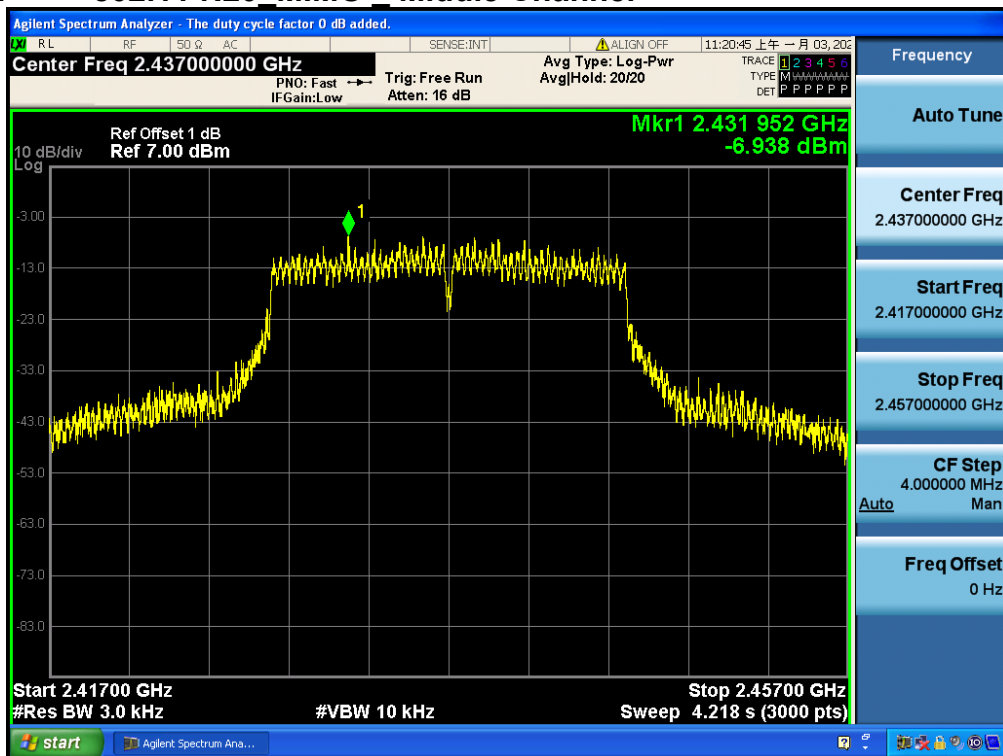
#### 4.6.2.2.9 802.11 N20\_Highest Channel



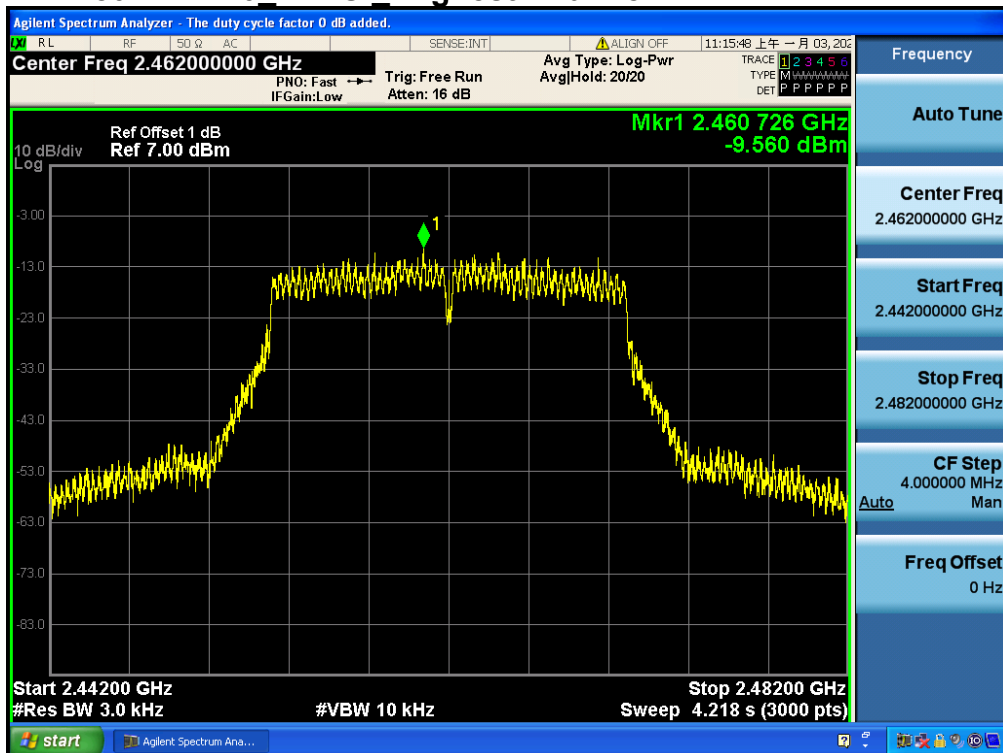
#### 4.6.2.2.10 802.11N20\_MIMO\_Lowest Channel



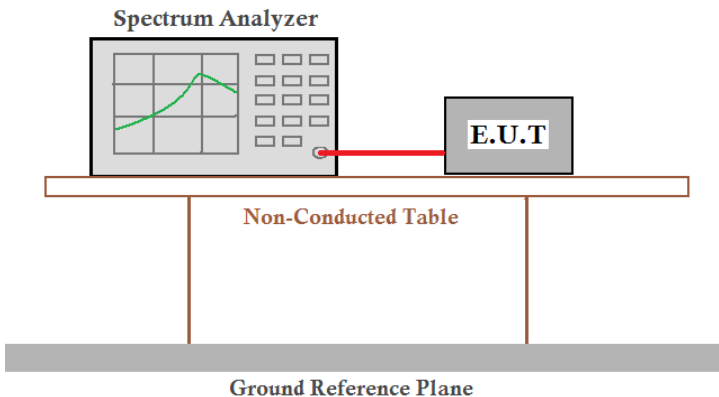
#### 4.6.2.2.11 802.11 N20 MIMO Middle Channel



#### 4.6.2.2.12 802.11 N20 MIMO Highest Channel



## 4.7 Band-edge for RF Conducted Emissions

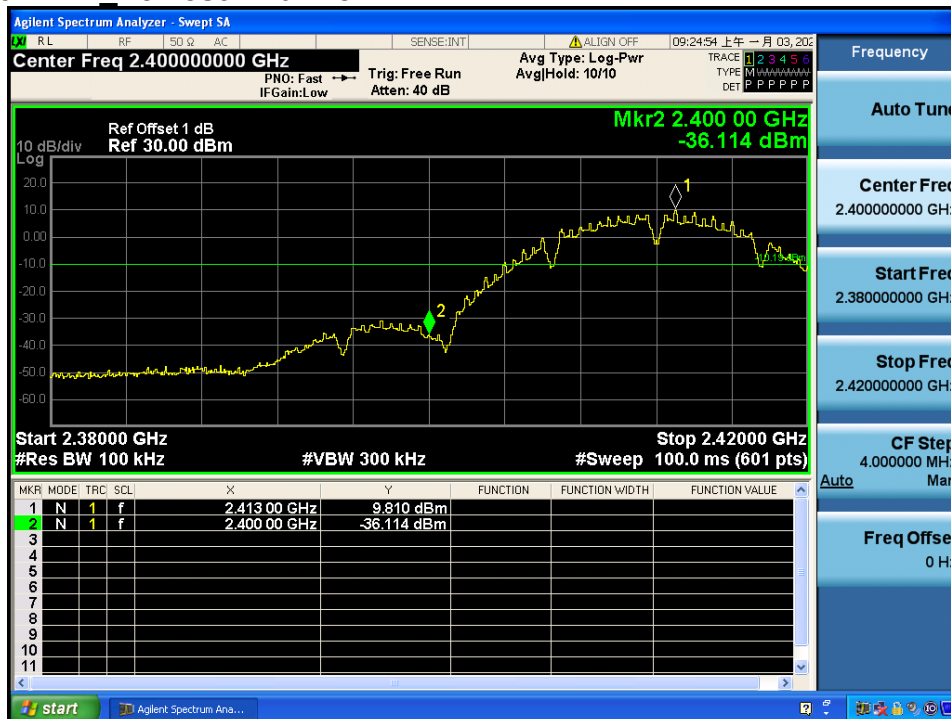
|                        |                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15C Section 15.247 (d)                                                                                                                                                                                                                                                                                                                                                      |
| Test Method:           | ANSI C63.10: 2013 Section 11.13                                                                                                                                                                                                                                                                                                                                                         |
| Test Setup:            |                                                                                                                                                                                                                                                                                                       |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates                                                                                                                                                                                                                                                                                                                                   |
| Final Test Mode:       | Through Pre-scan, find the<br>1Mbps of rate is the worst case of 802.11B;<br>6Mbps of rate is the worst case of 802.11G;<br>6.5Mbps of rate is the worst case of 802.11N(HT20) ;                                                                                                                                                                                                        |
| Limit:                 | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. |
| Instruments Used:      | Refer to section 5.10 for details                                                                                                                                                                                                                                                                                                                                                       |
| Test Results:          | Pass                                                                                                                                                                                                                                                                                                                                                                                    |



#### 4.7.1 Test plots

##### 4.7.1.1 ANT1

##### 4.7.1.1.1 802.11B Lowest Channel



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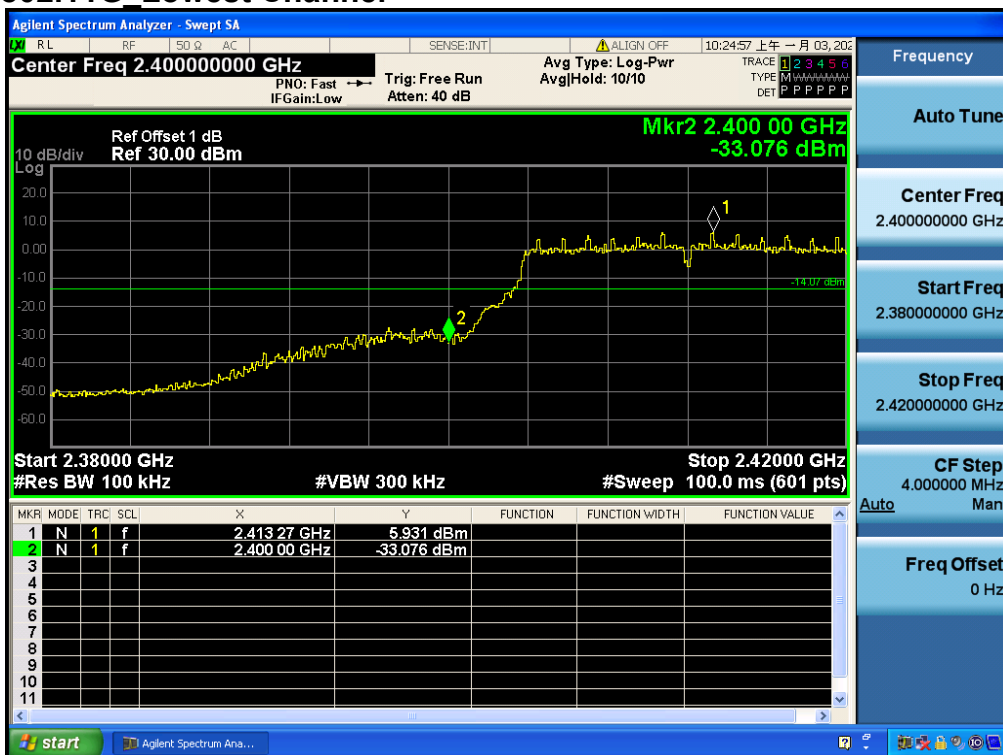
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## 4.7.1.1.2 802.11B\_Highest Channel



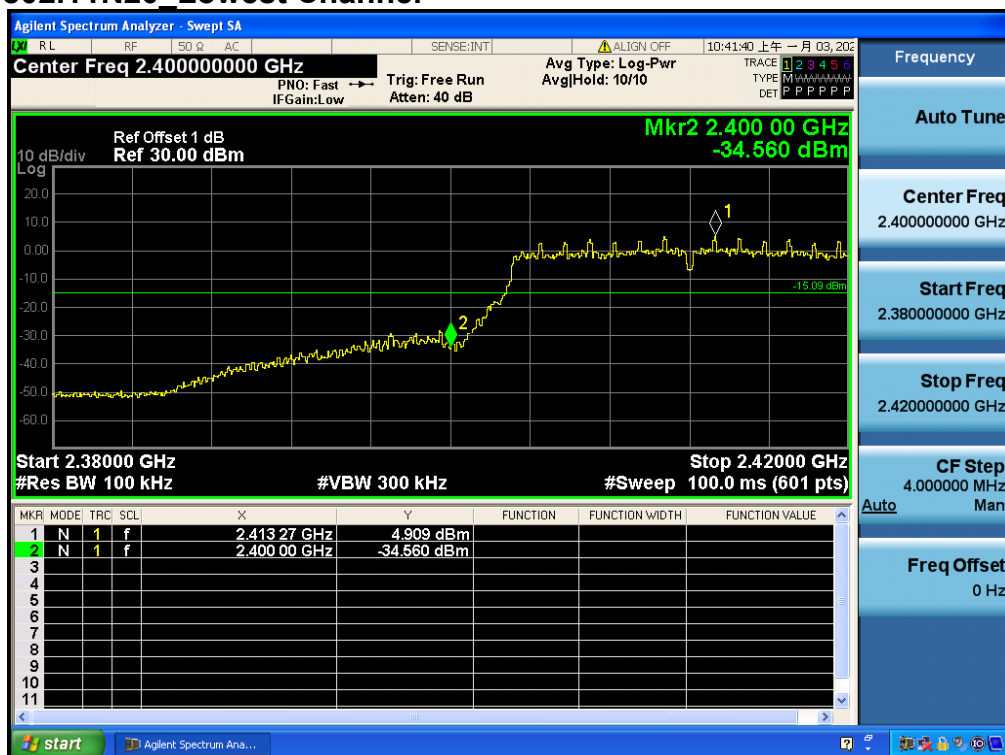
## 4.7.1.1.3 802.11G\_Lowest Channel



## 4.7.1.1.4 802.11G\_Highest Channel



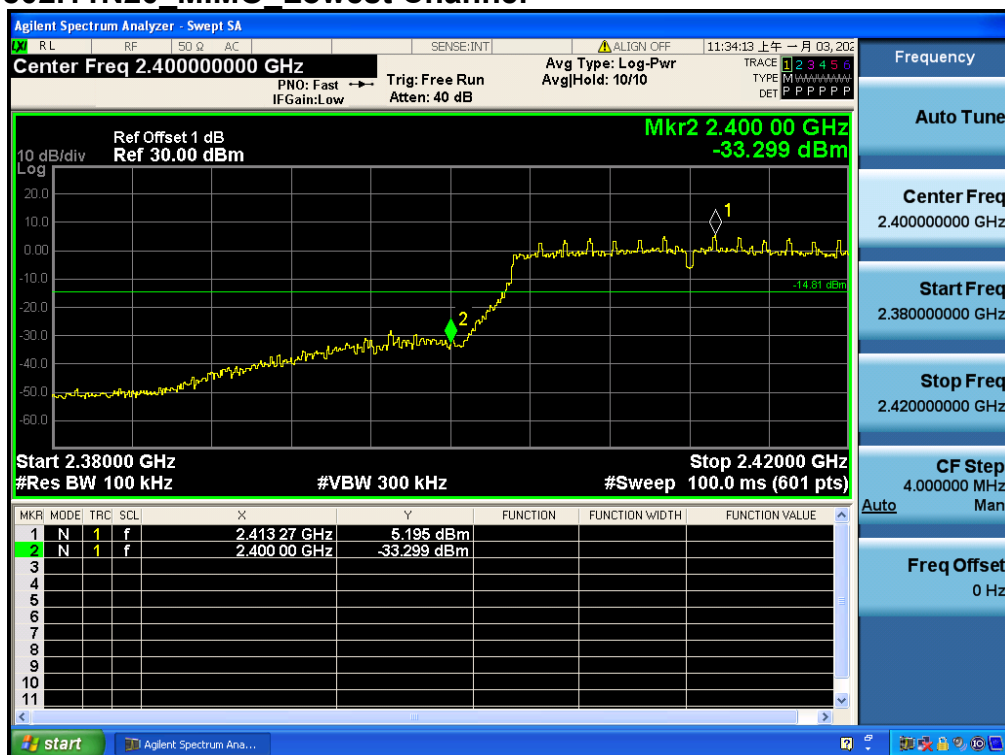
## 4.7.1.1.5 802.11N20\_Lowest Channel



## 4.7.1.1.6 802.11 N20\_Highest Channel



## 4.7.1.1.7 802.11N20\_MIMO\_Lowest Channel



#### 4.7.1.1.8 802.11 N20\_MIMO\_Highest Channel



## 4.7.1.2 ANT2

### 4.7.1.2.1 802.11B Lowest Channel



### 4.7.1.2.2 802.11B Highest Channel



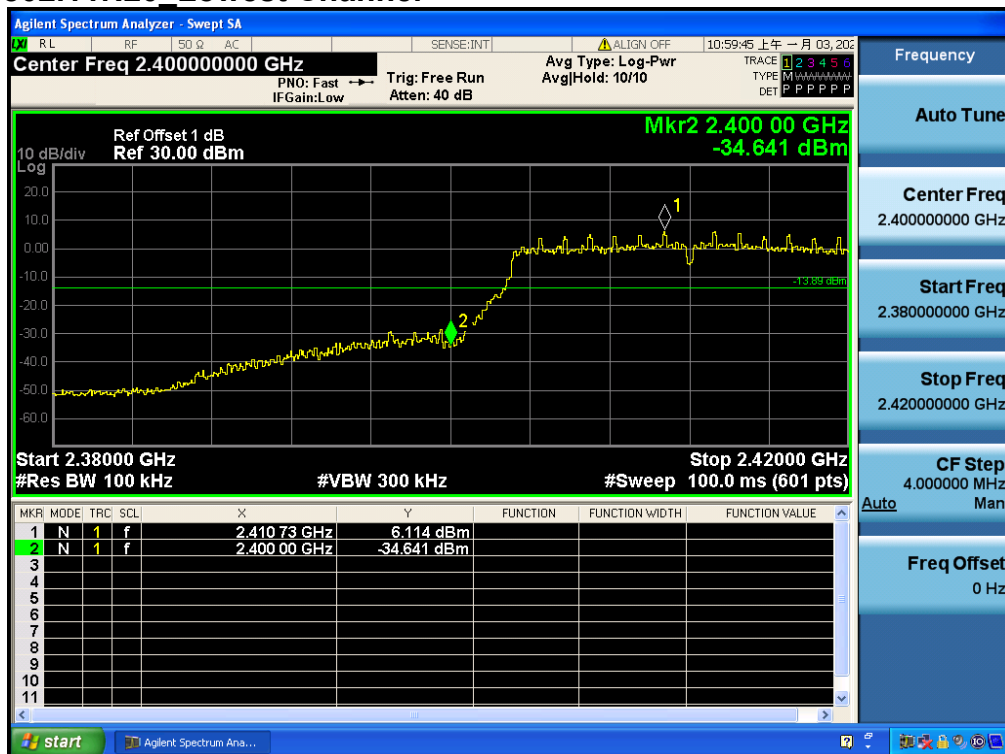
## 4.7.1.2.3 802.11G Lowest Channel



## 4.7.1.2.4 802.11G Highest Channel



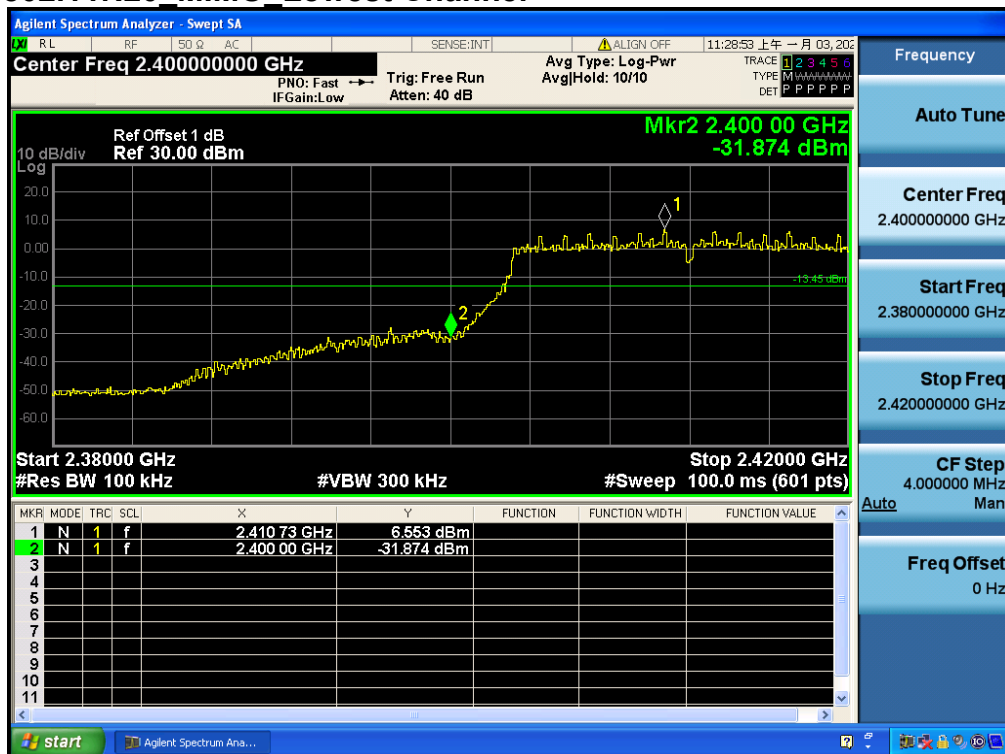
## 4.7.1.2.5 802.11N20 Lowest Channel



## 4.7.1.2.6 802.11 N20\_Highest Channel



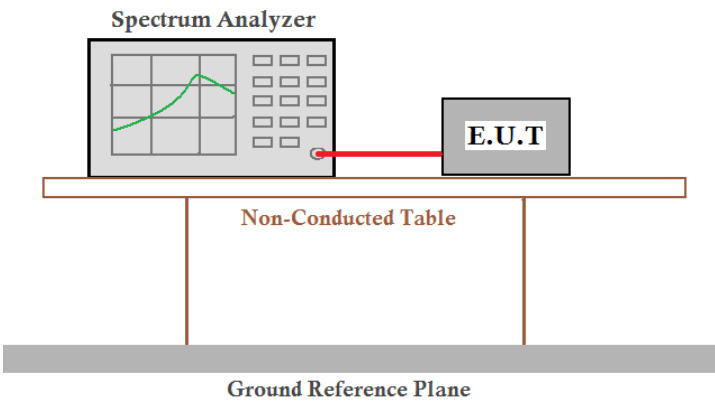
## 4.7.1.2.7 802.11N20 MIMO Lowest Channel



## 4.7.1.2.8 802.11 N20 MIMO Highest Channel



## 4.8 RF Conducted Spurious Emissions

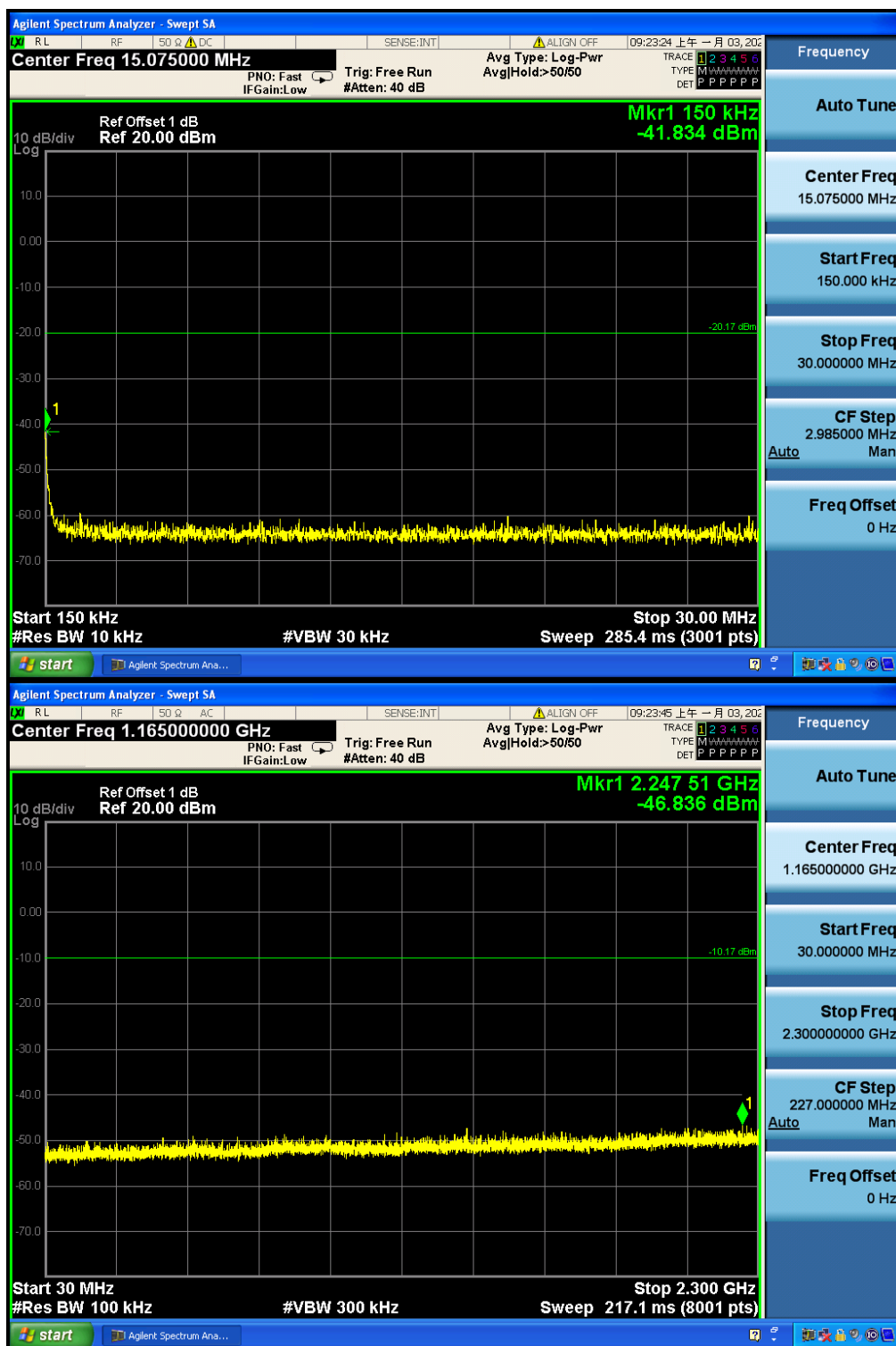
|                        |                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15C Section 15.247 (d)                                                                                                                                                                                                                                                                                                                                                      |
| Test Method:           | ANSI C63.10: 2013 Section 11.11                                                                                                                                                                                                                                                                                                                                                         |
| Test Setup:            |                                                                                                                                                                                                                                                                                                       |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates                                                                                                                                                                                                                                                                                                                                   |
| Final Test Mode:       | Through Pre-scan, find the<br>1Mbps of rate is the worst case of 802.11B;<br>6Mbps of rate is the worst case of 802.11G;<br>6.5Mbps of rate is the worst case of 802.11N(HT20);                                                                                                                                                                                                         |
| Limit:                 | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. |
| Instruments Used:      | Refer to section 5.10 for details                                                                                                                                                                                                                                                                                                                                                       |
| Test Results:          | Pass                                                                                                                                                                                                                                                                                                                                                                                    |

## 4.8.1 Test plots

### 4.8.1.1 ANT1

#### 4.8.1.1.1 802.11B Lowest Channel









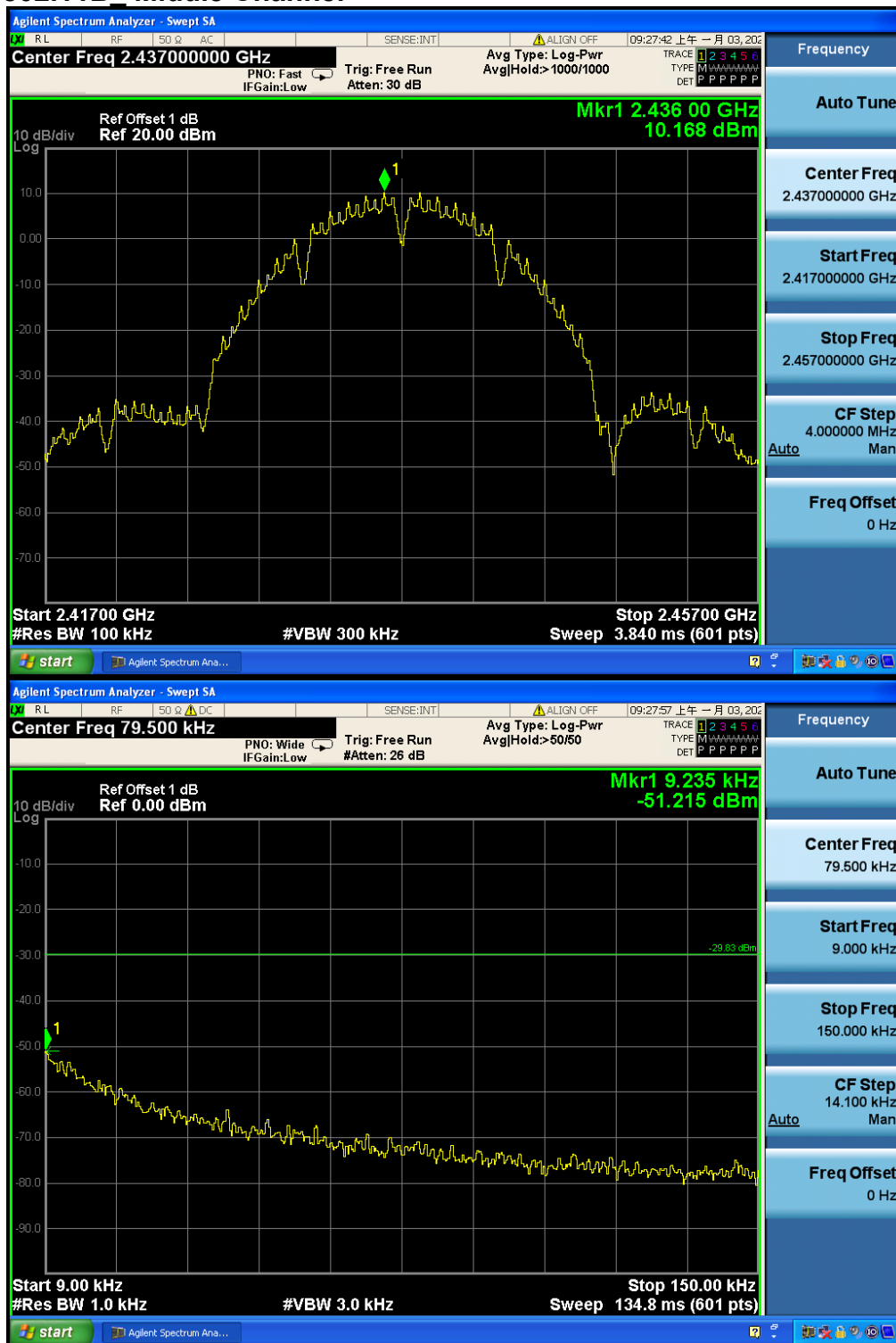
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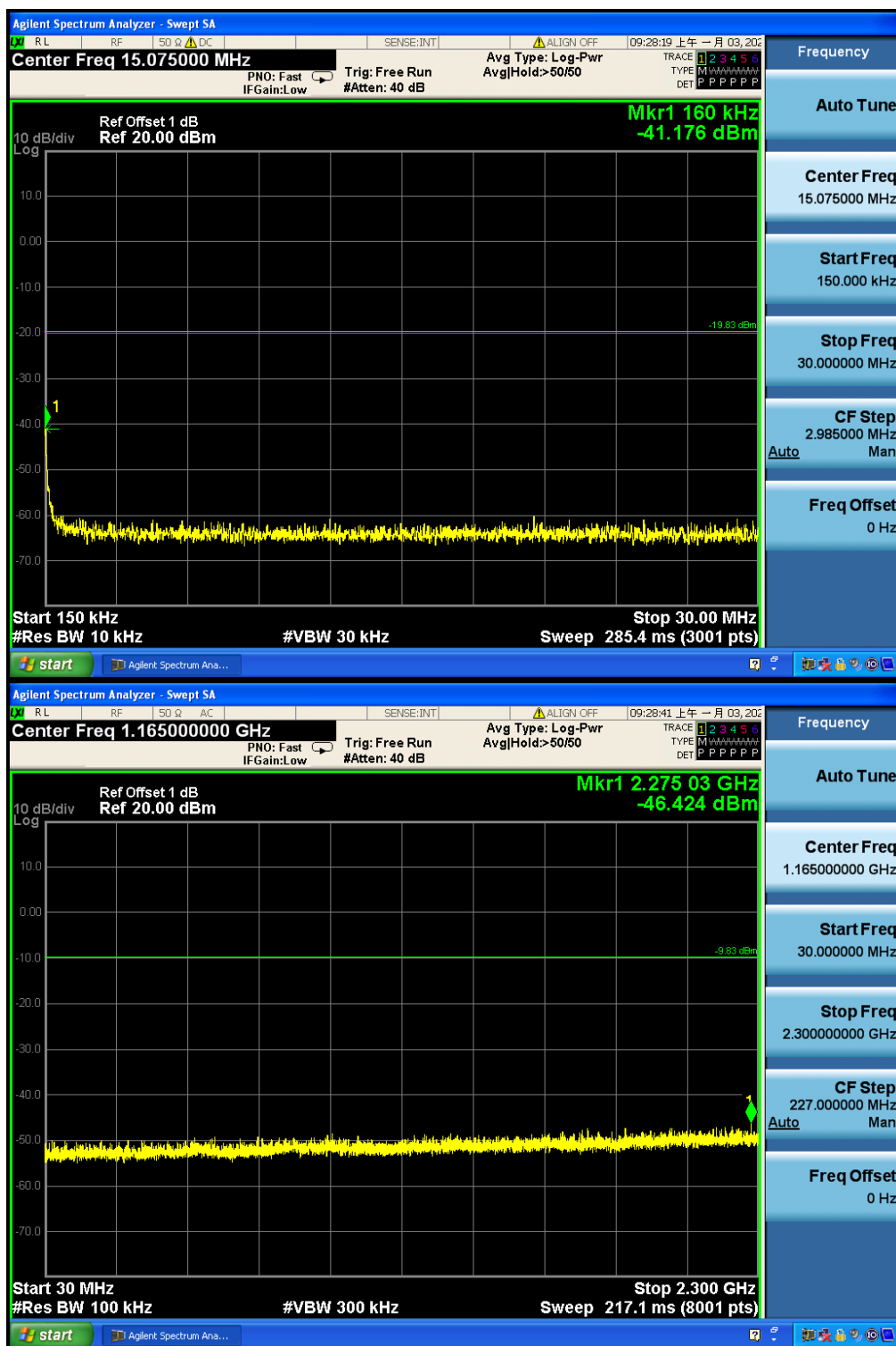
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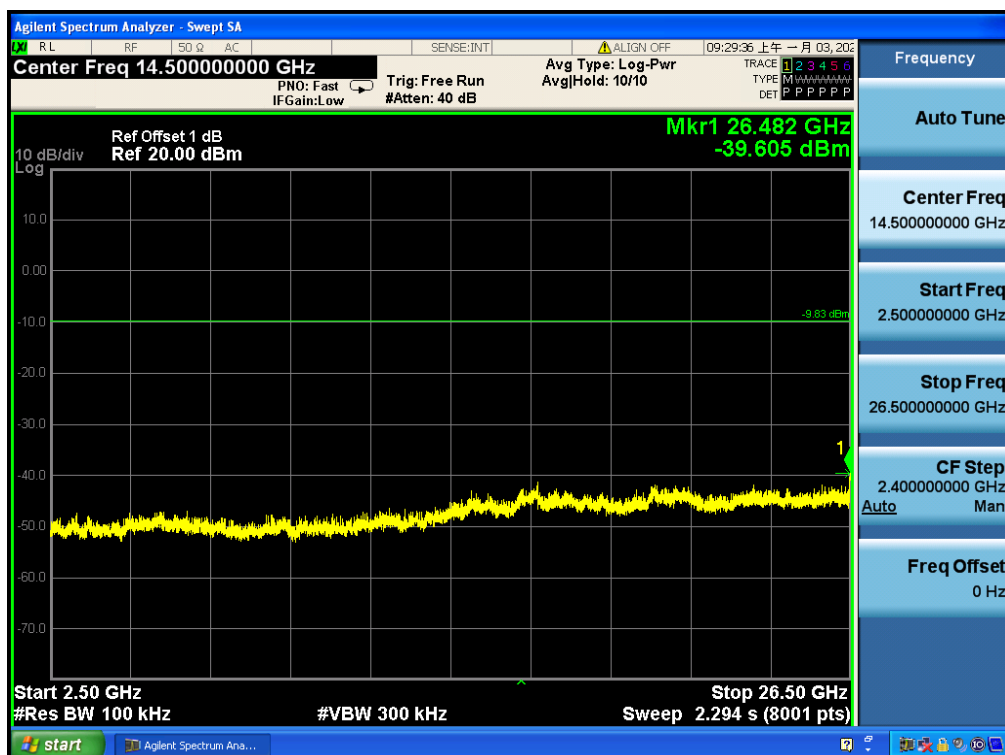
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## 4.8.1.1.2 802.11B Middle Channel

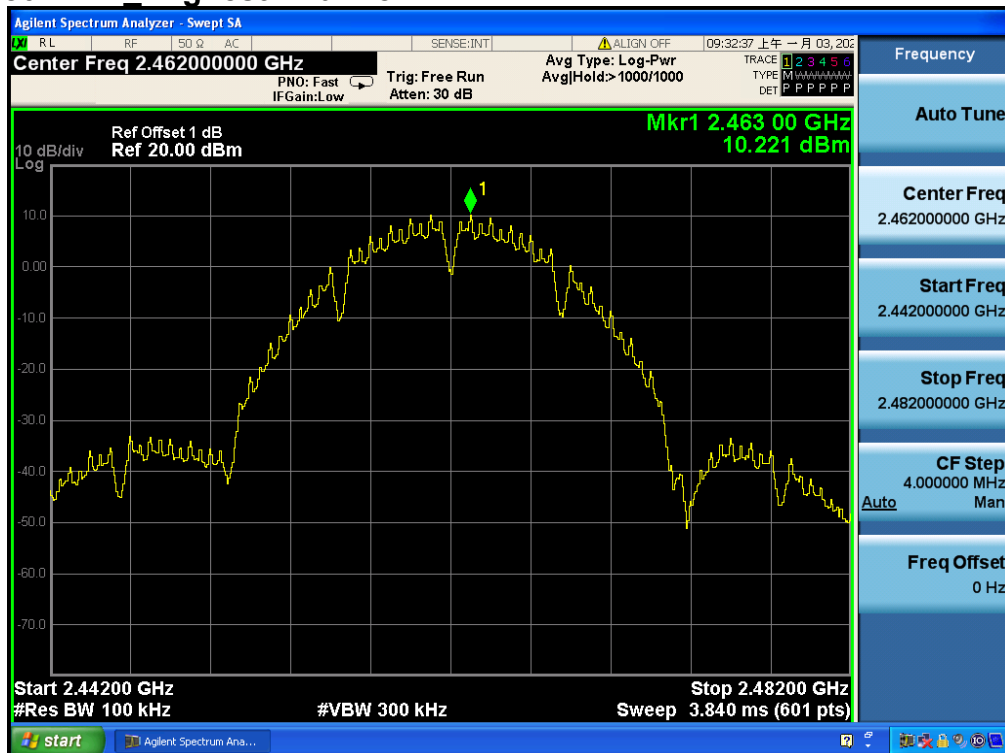


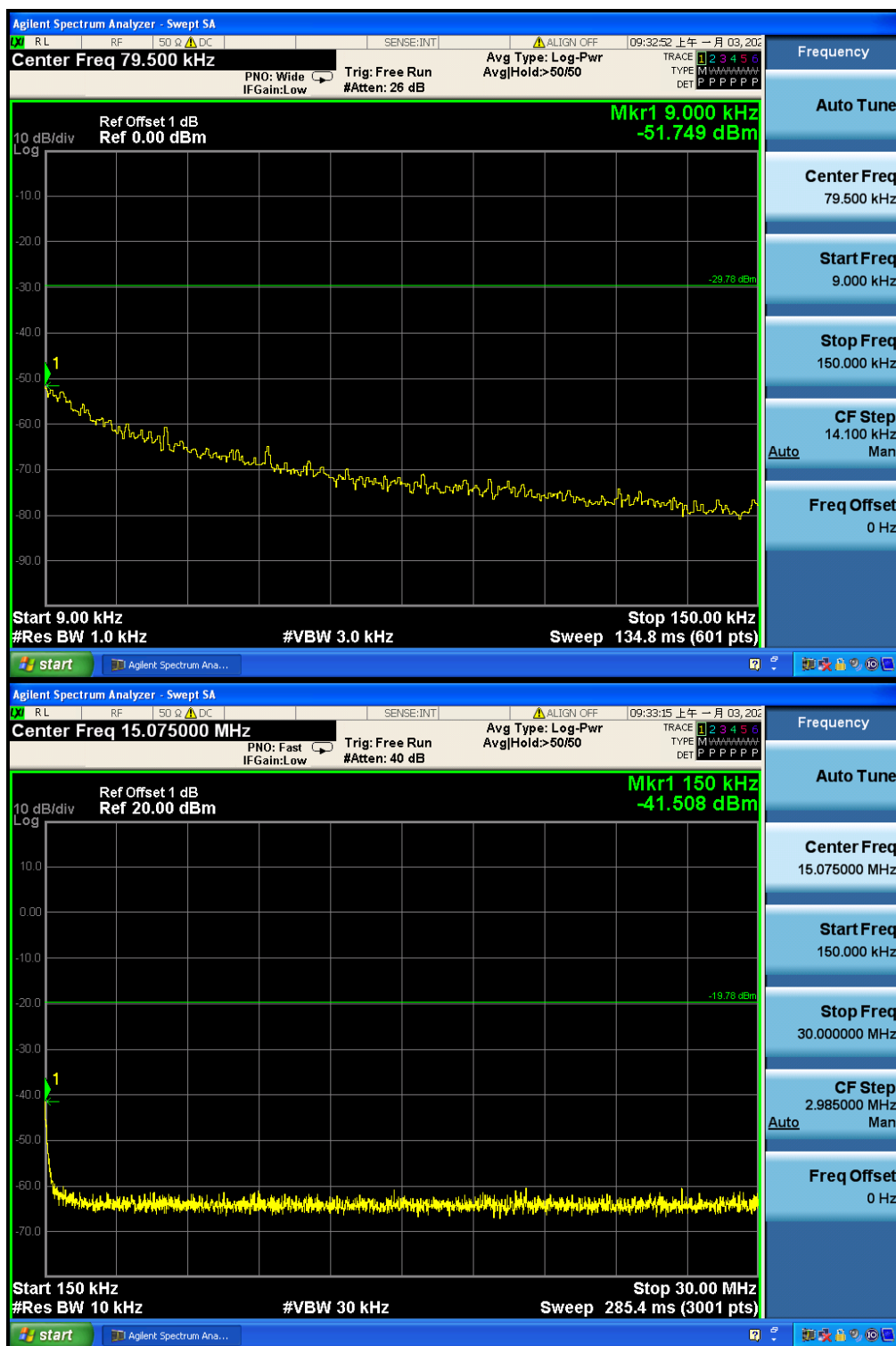






#### 4.8.1.1.3 802.11B\_Highest Channel



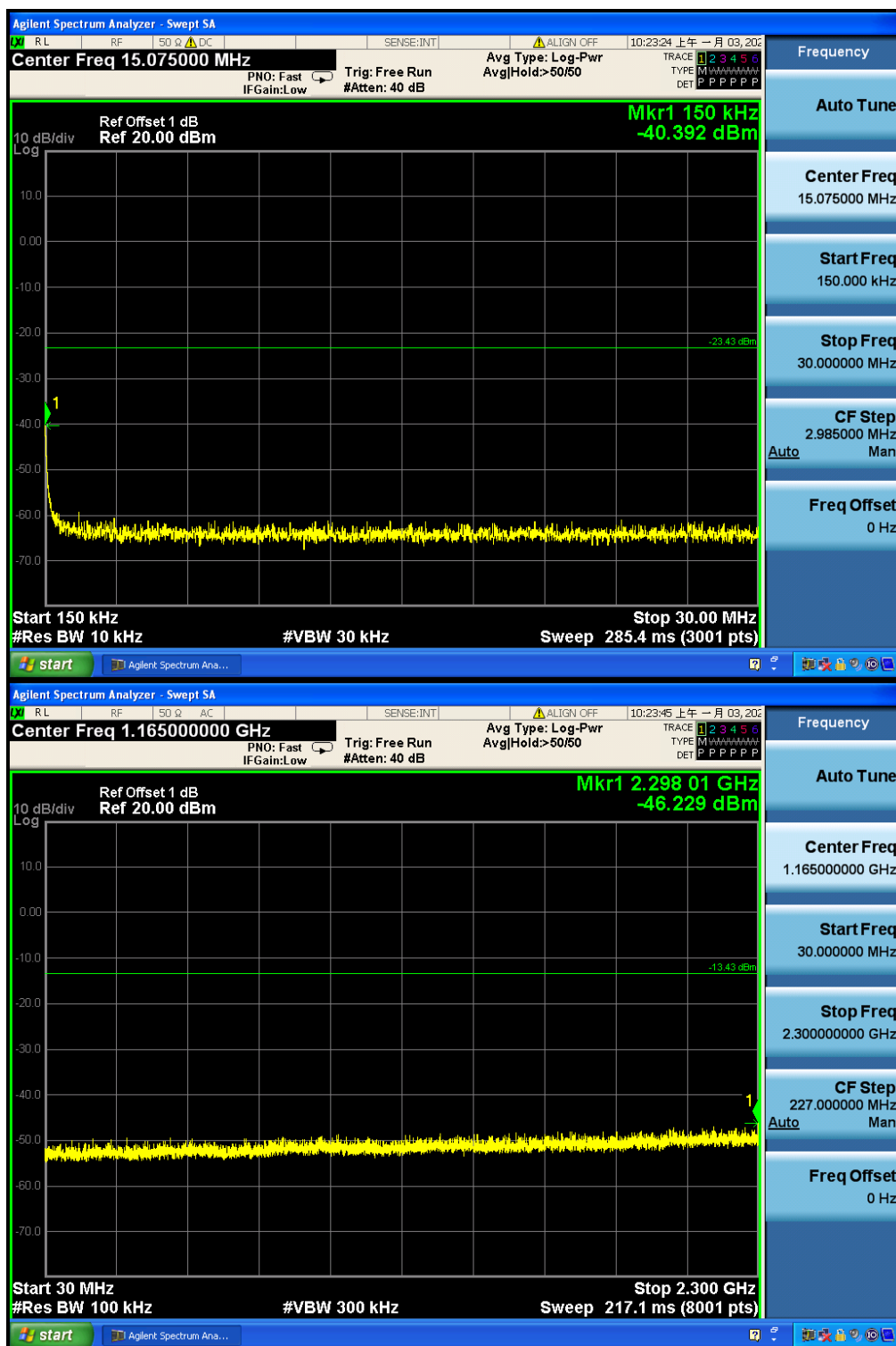




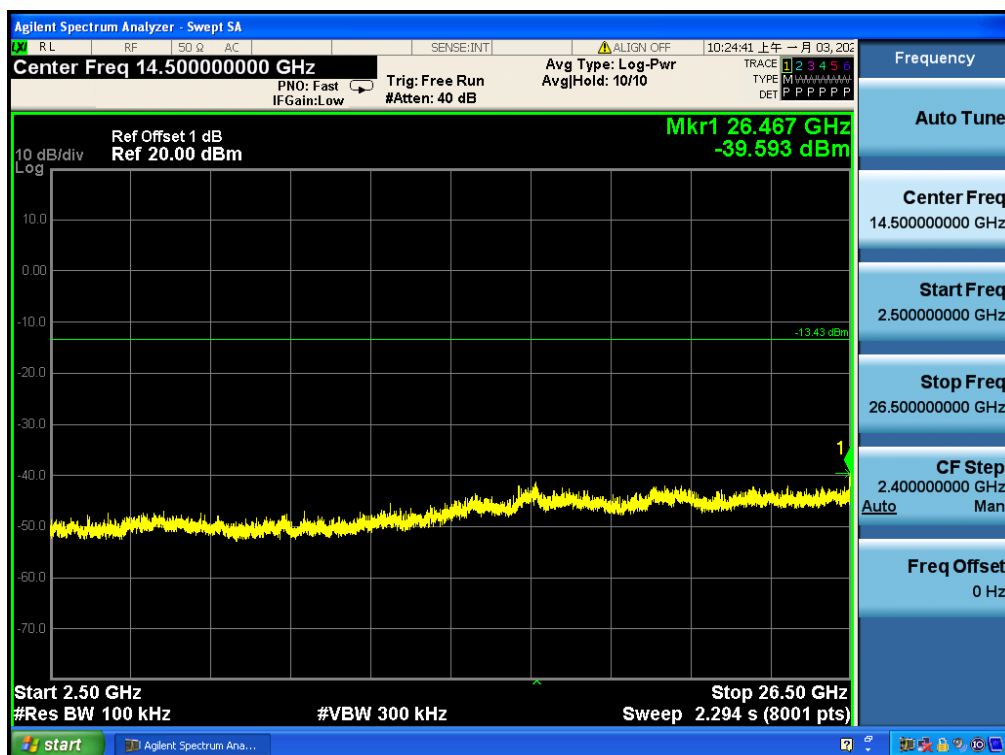


## 4.8.1.1.4 802.11G Lowest Channel

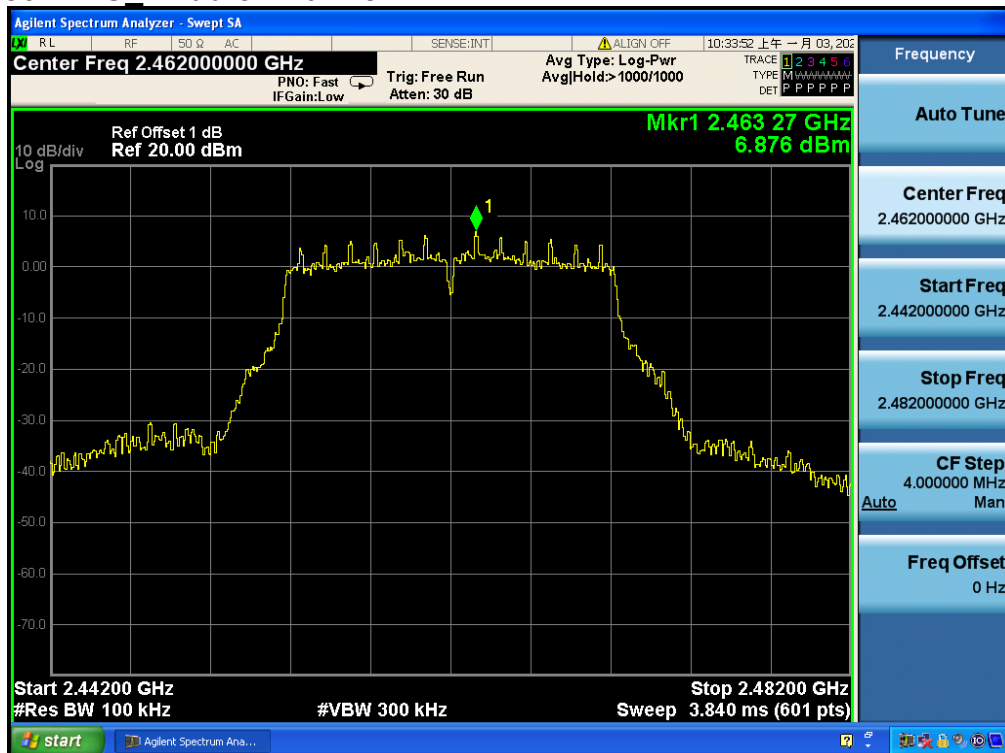


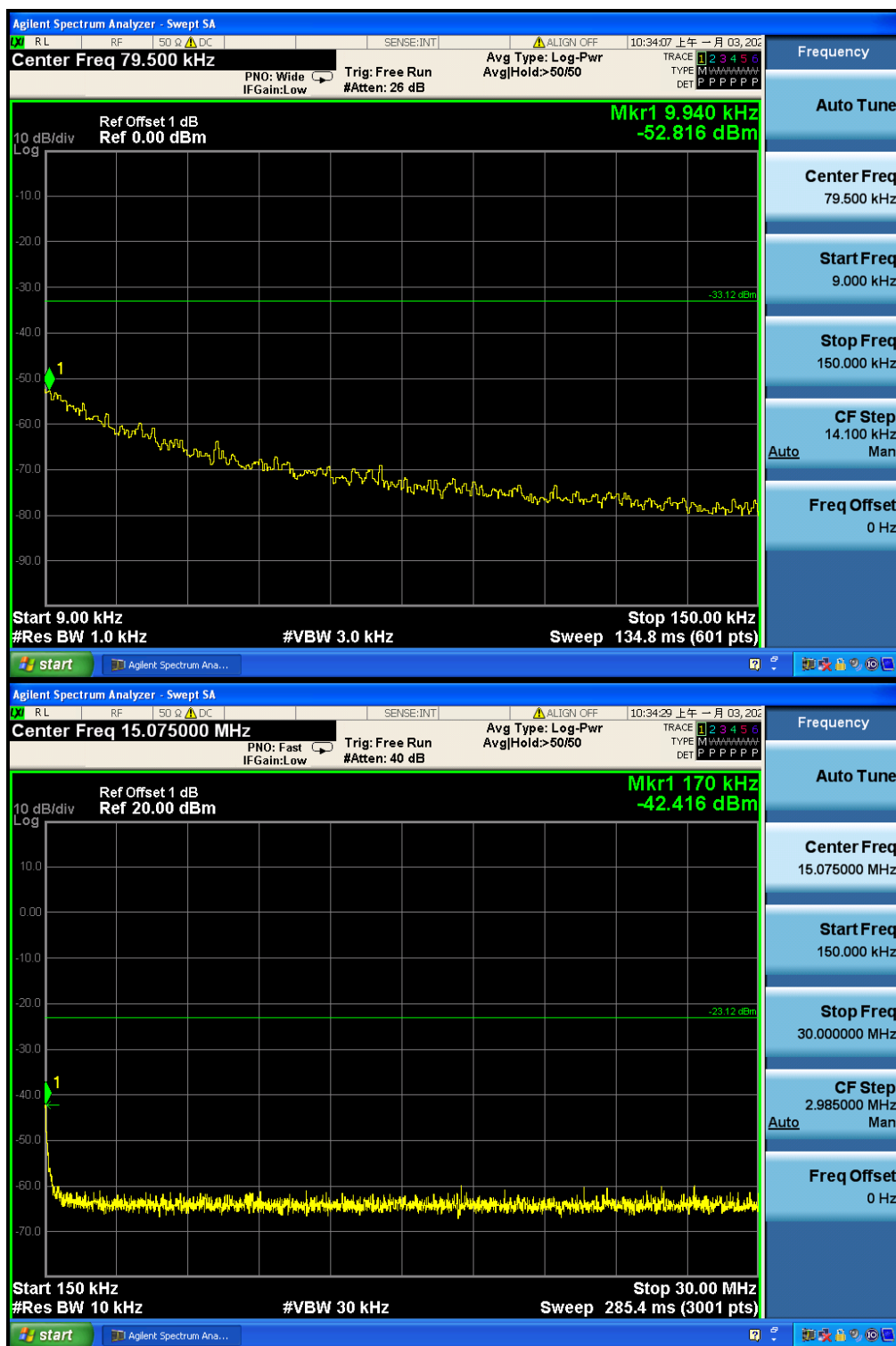






#### 4.8.1.1.5 802.11G Middle Channel







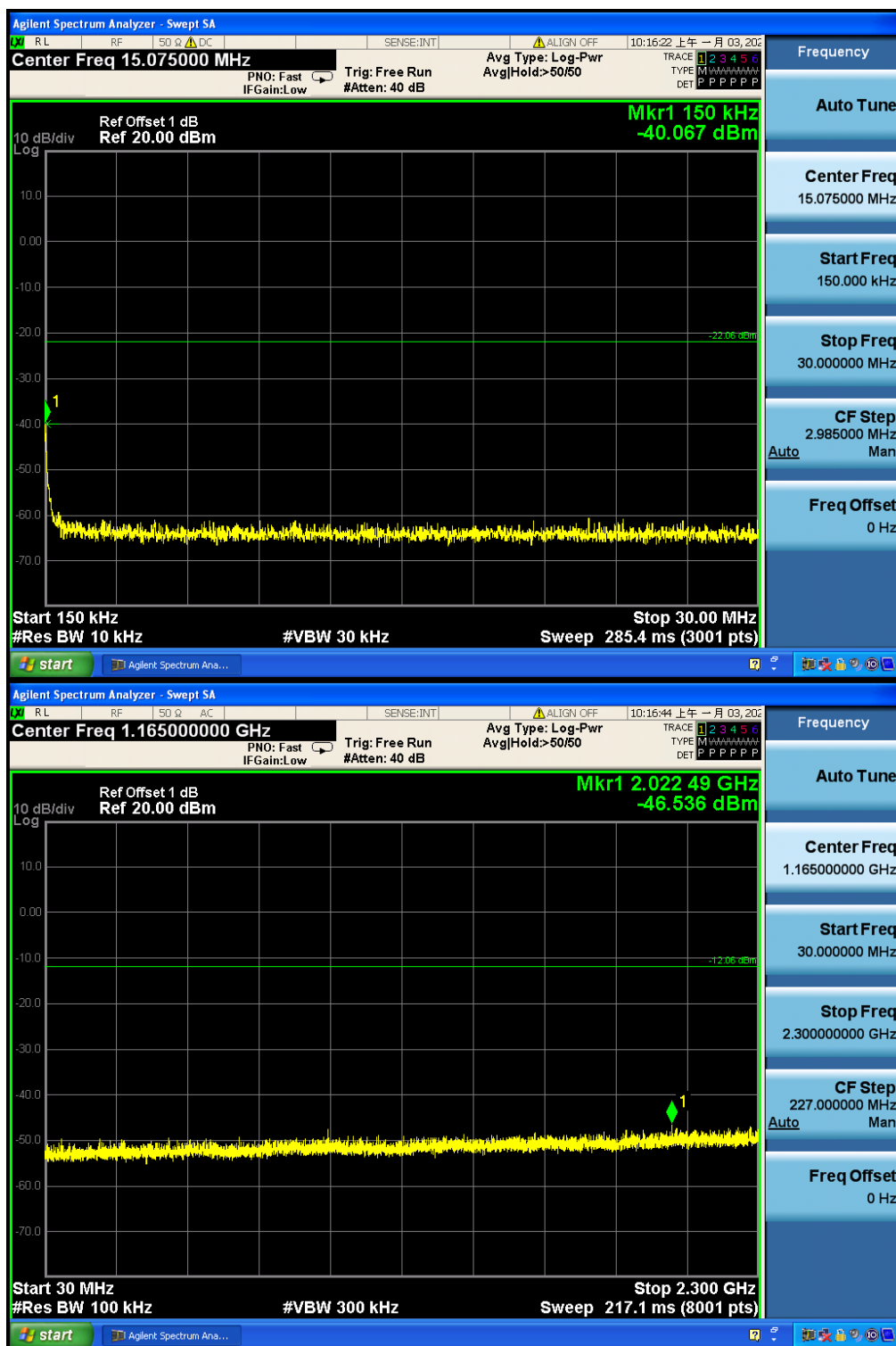


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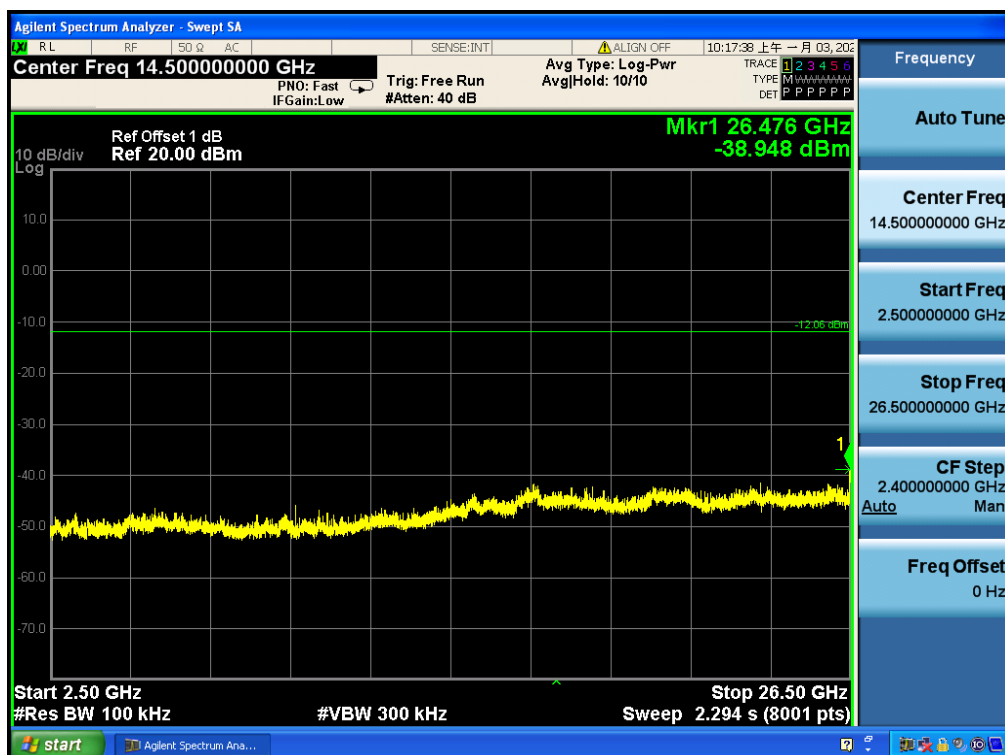
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## 4.8.1.1.6 802.11G\_Highest Channel

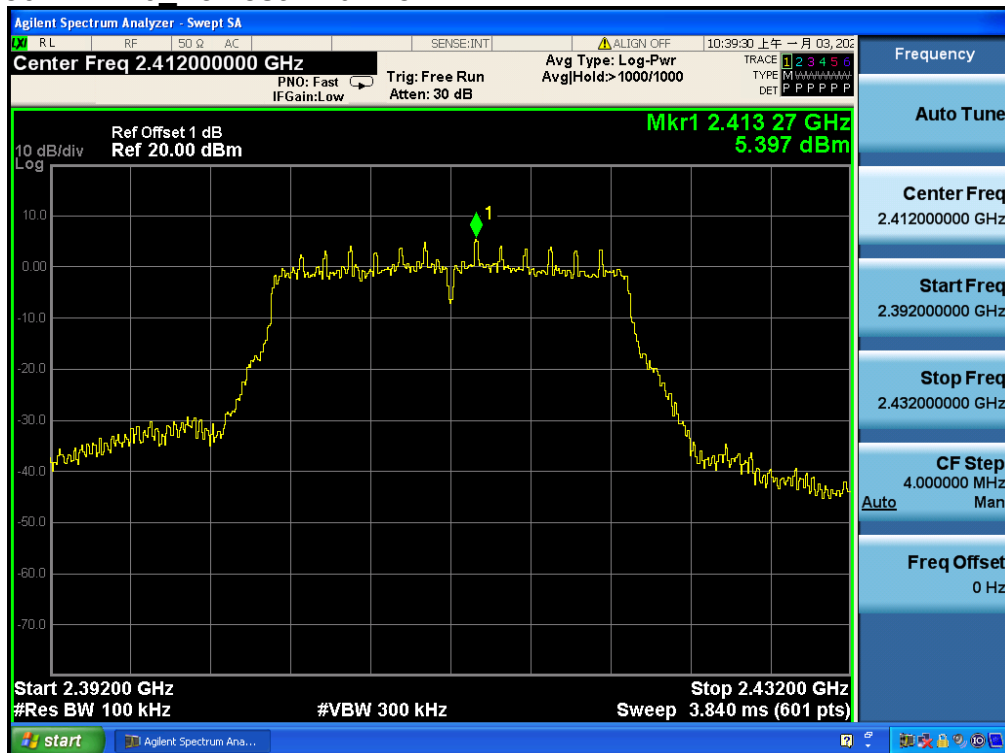


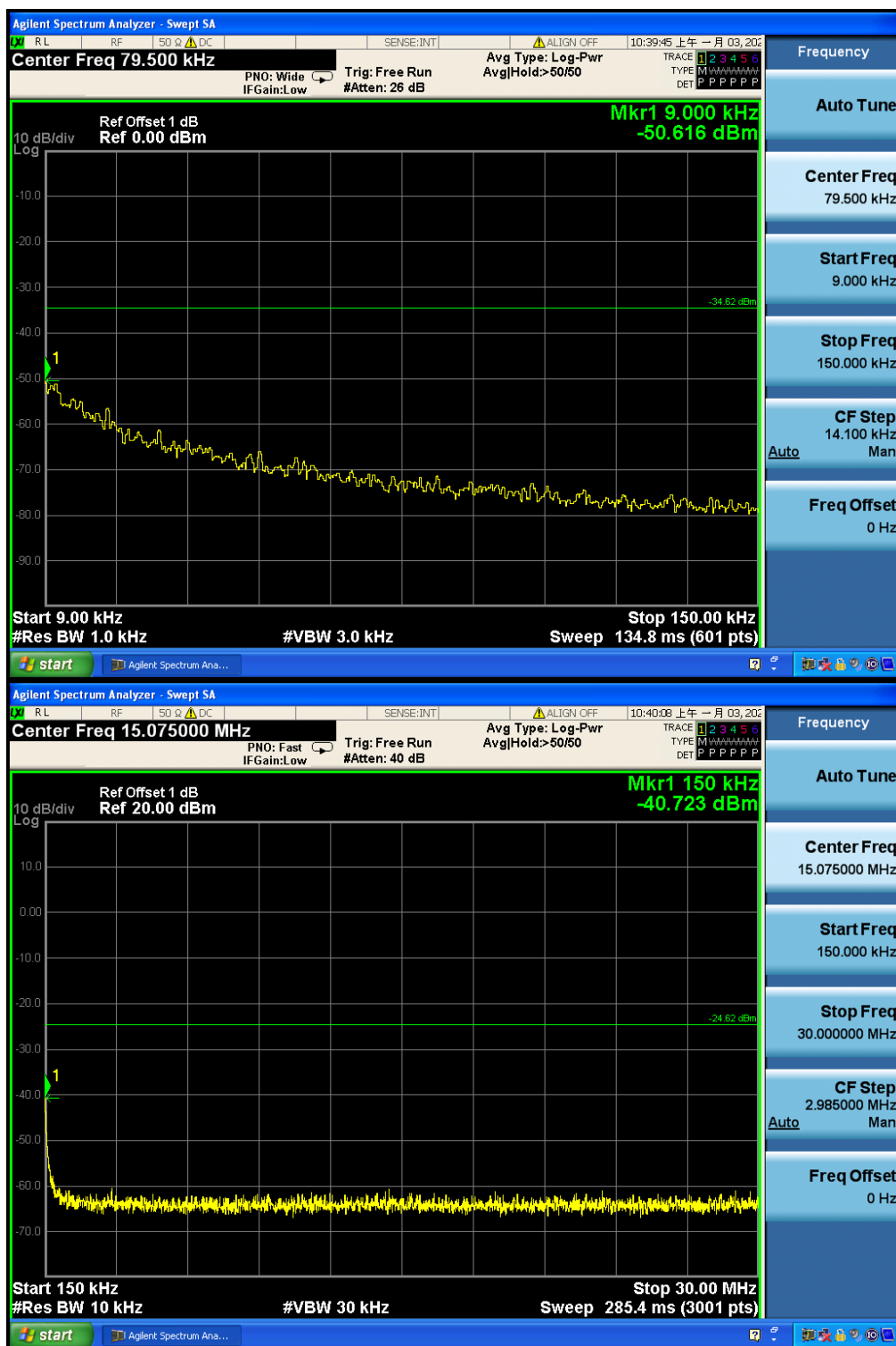


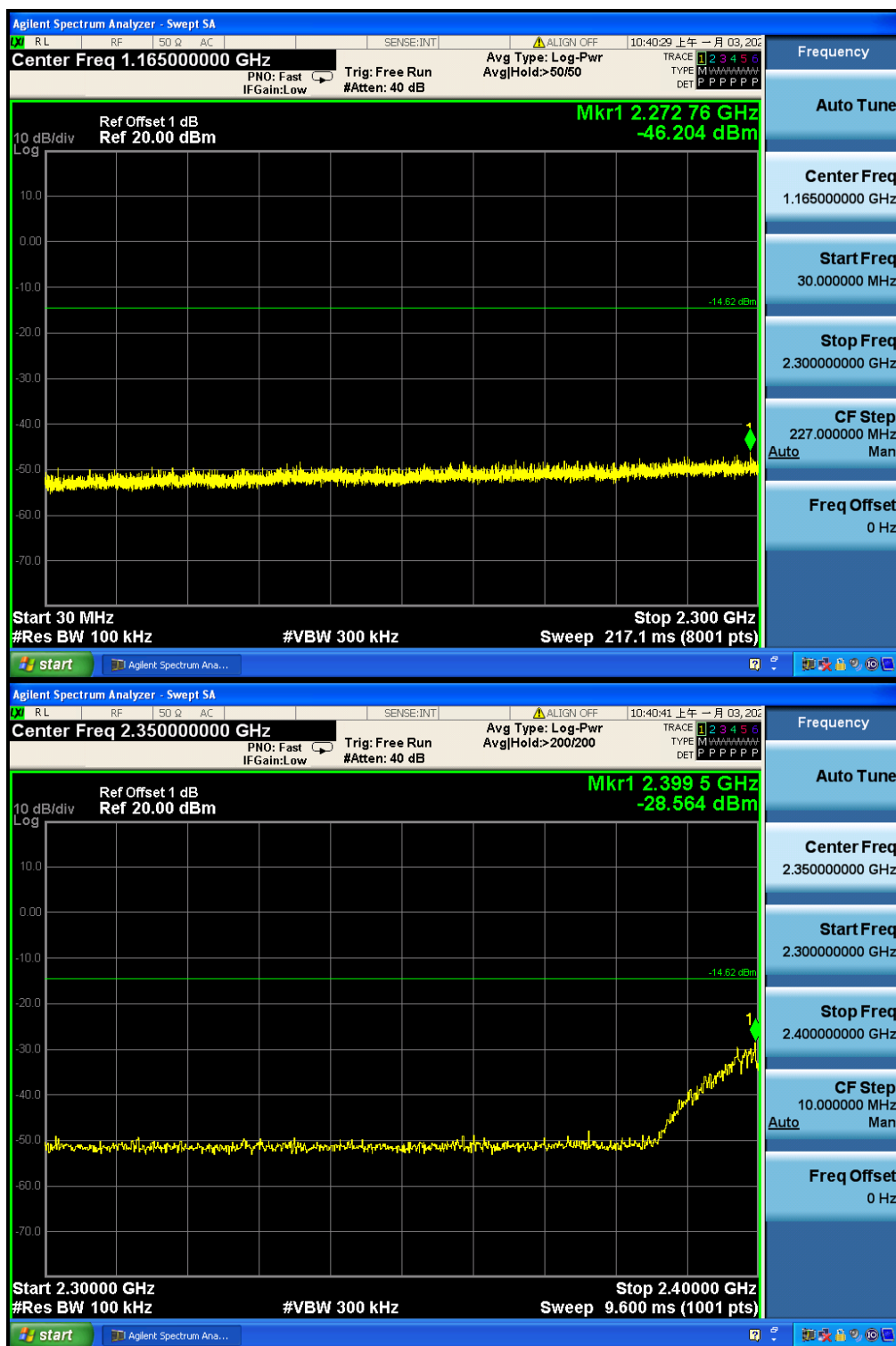




#### 4.8.1.1.7 802.11N20 Lowest Channel







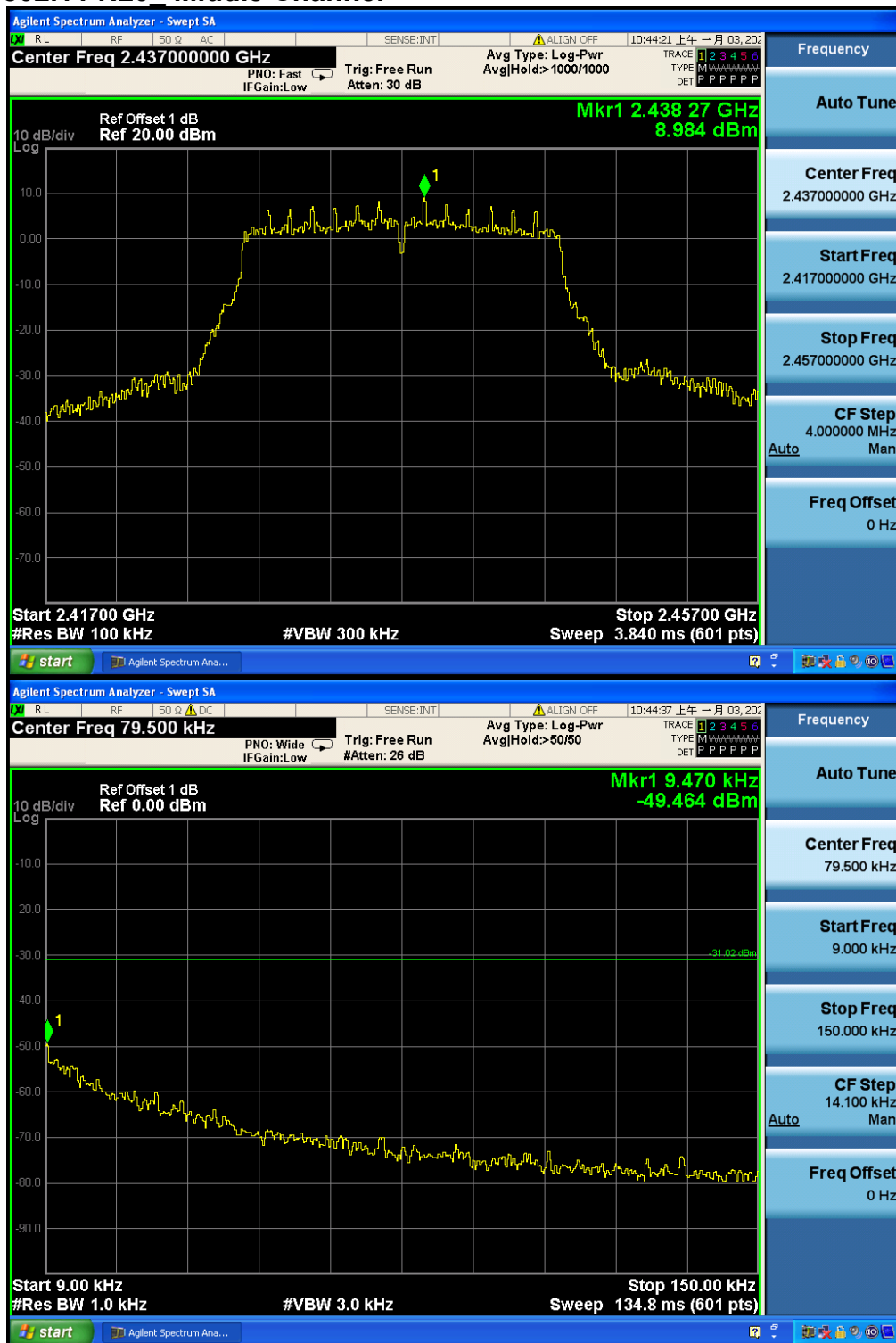


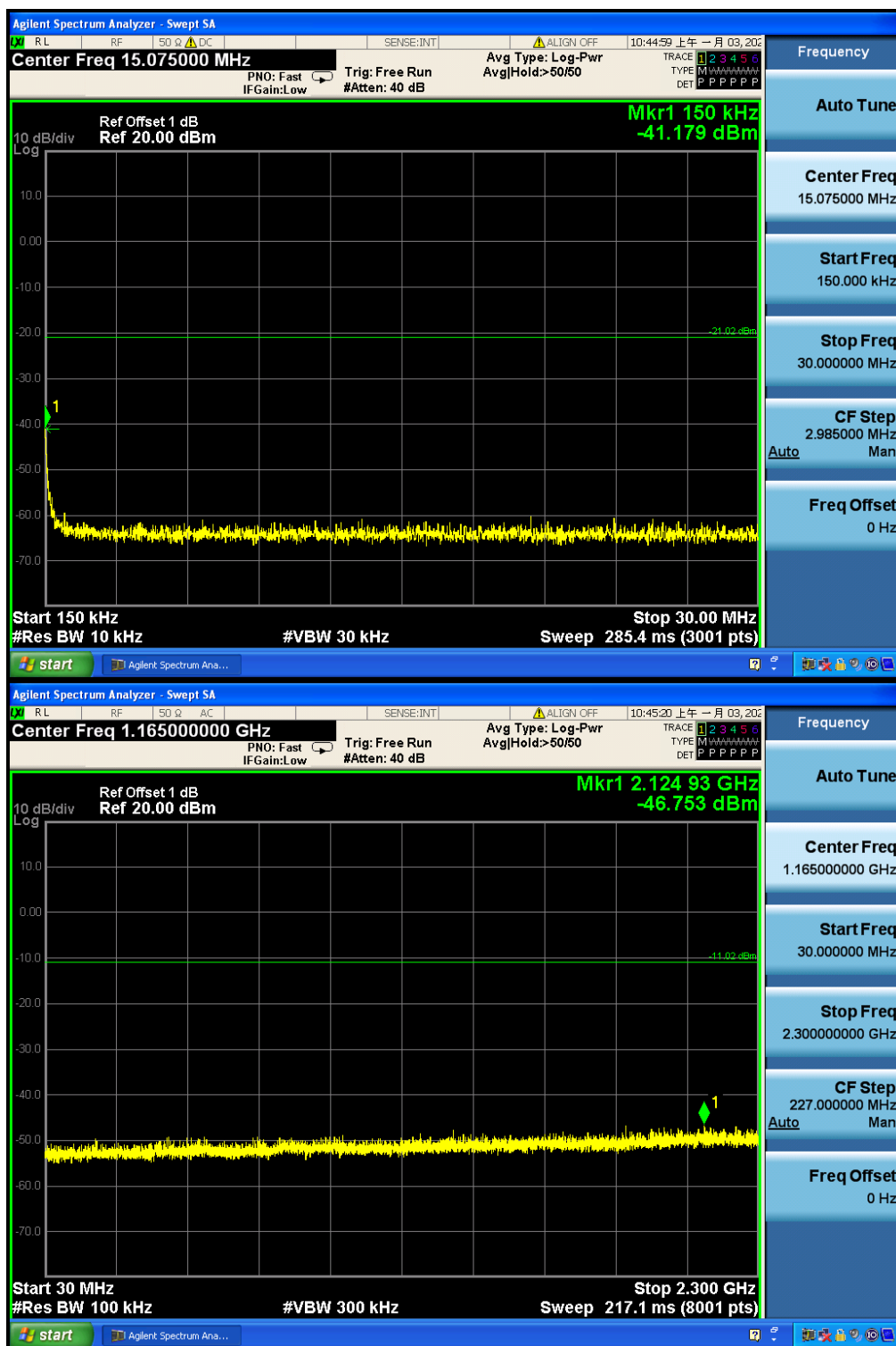
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## 4.8.1.1.8 802.11 N20\_Middle Channel



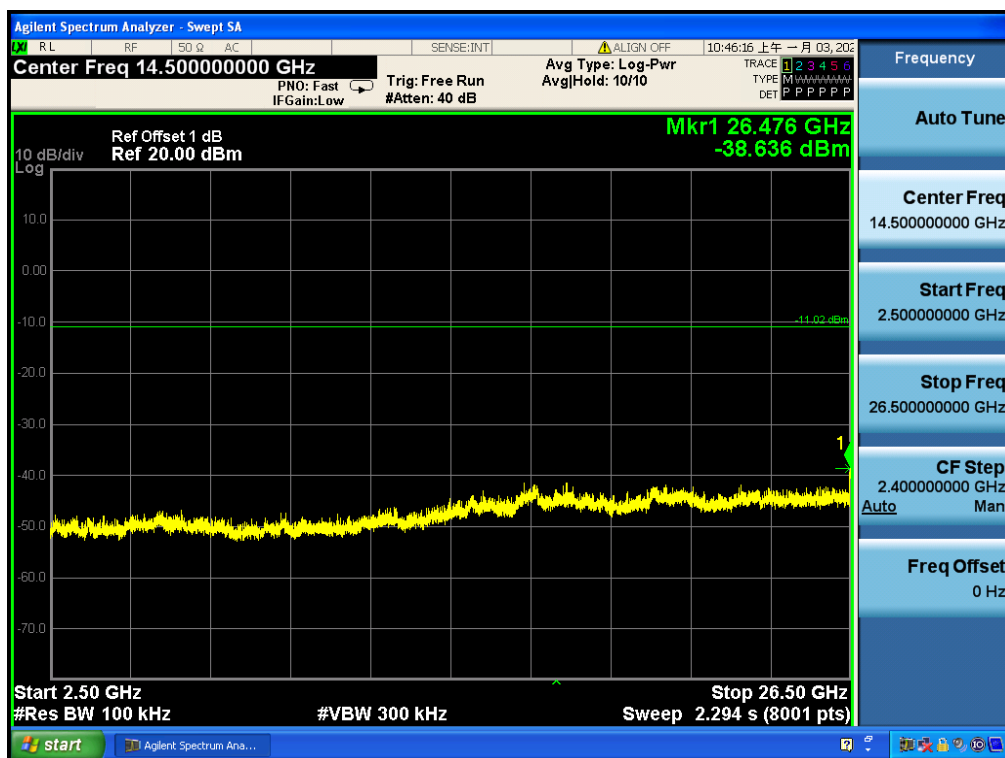




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#### 4.8.1.1.9 802.11 N20\_Highest Channel



