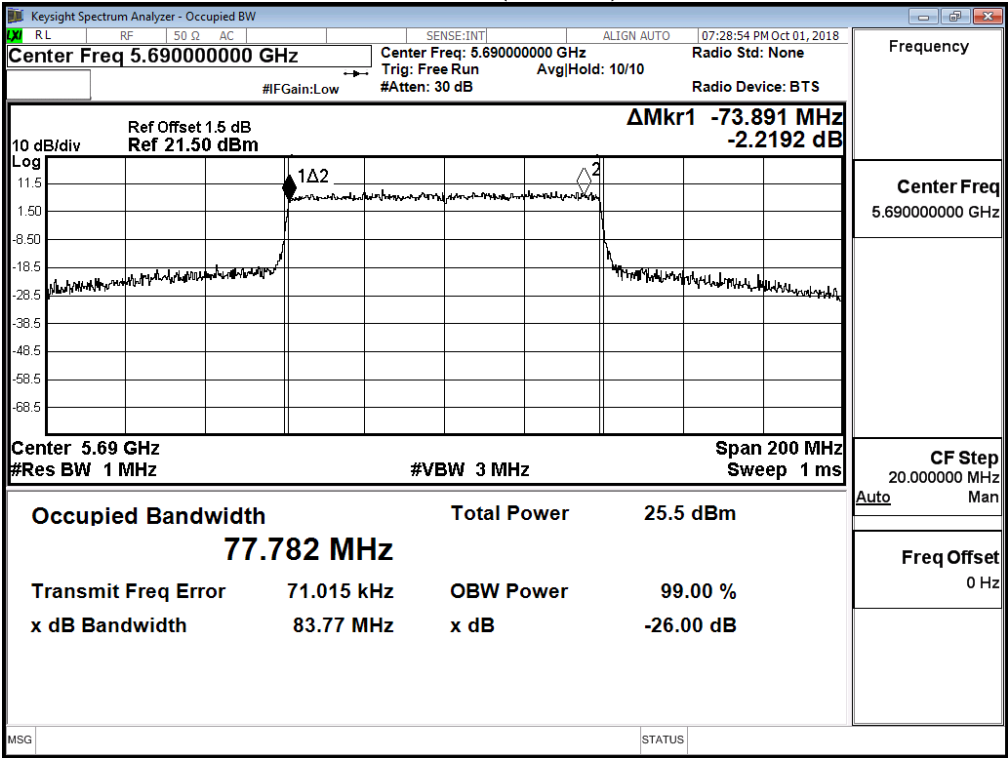
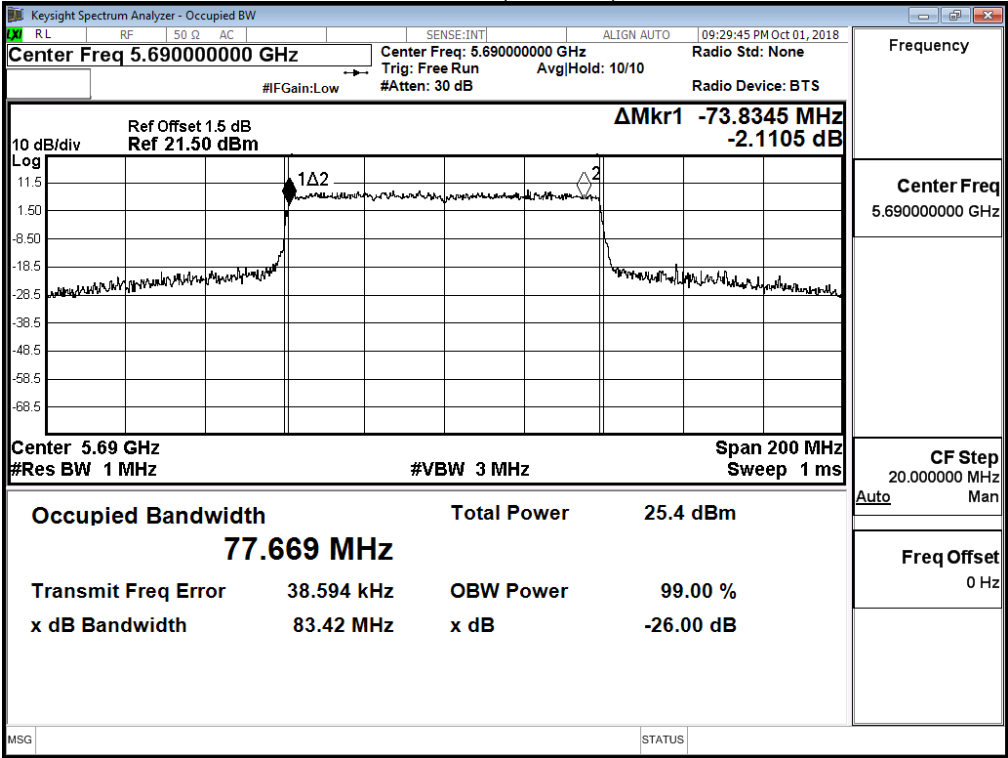


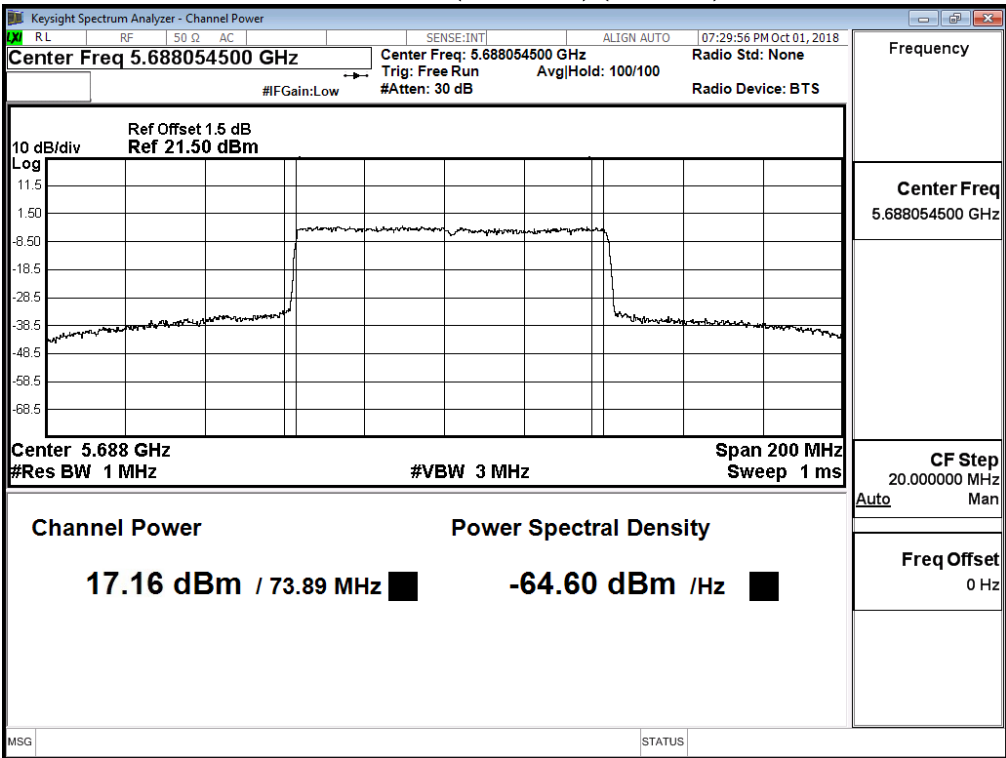
Channel 138 (Chain A)



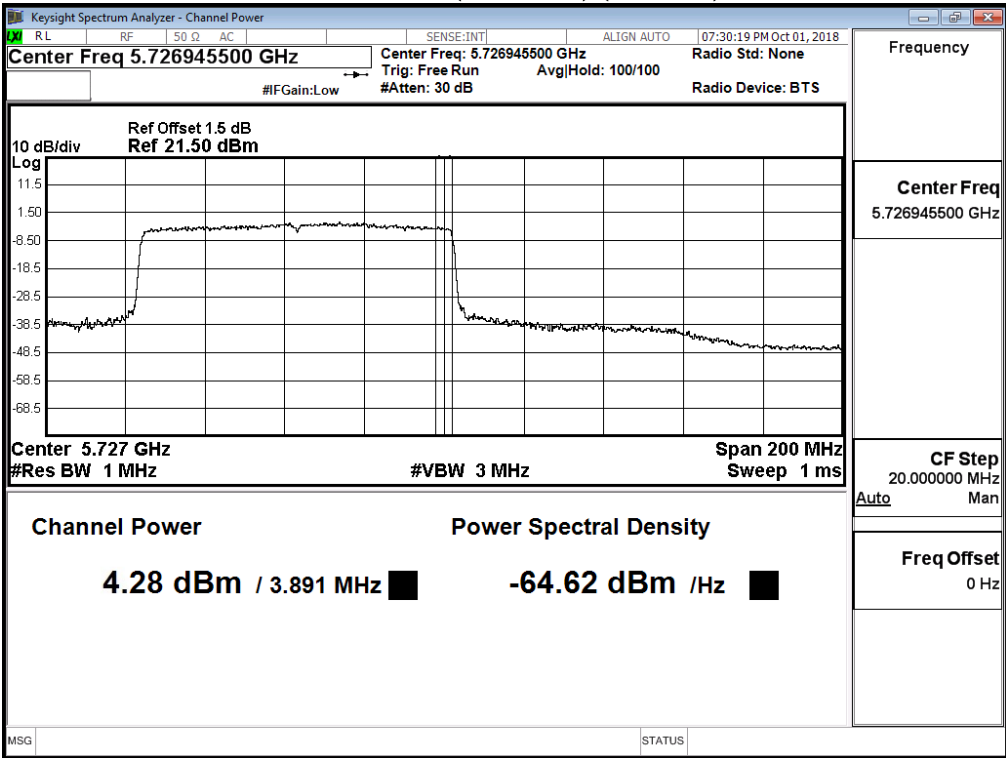
Channel 138 (Chain B)



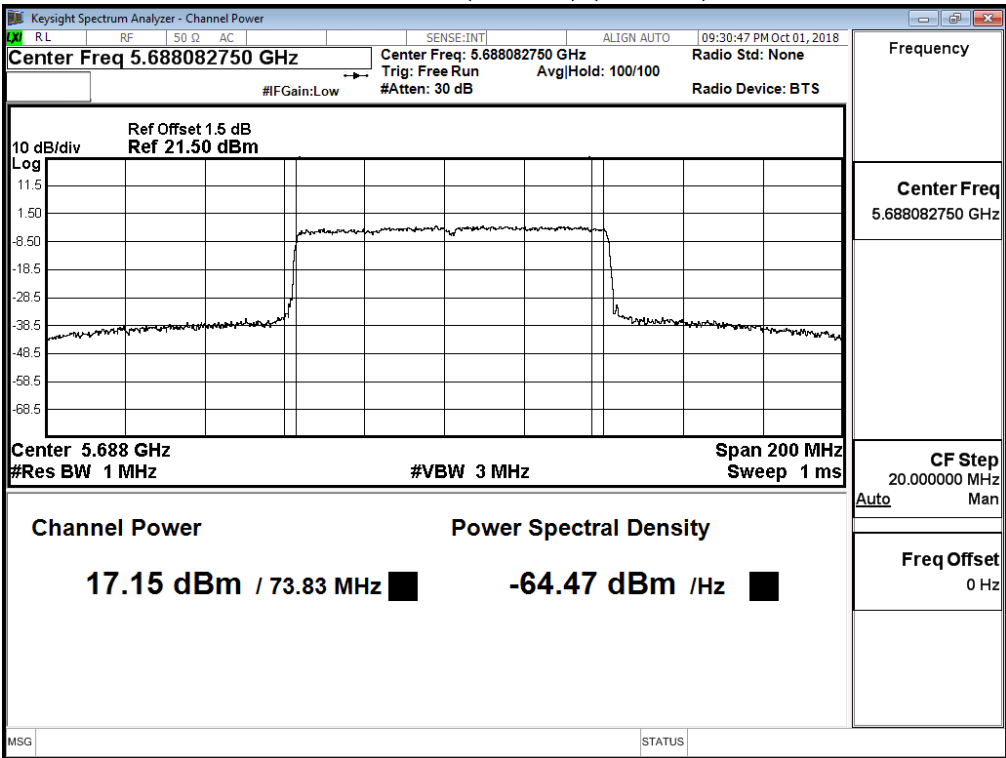
Maximum conducted output power:  
Channel 138 (U-NII-2C) (Chain A)



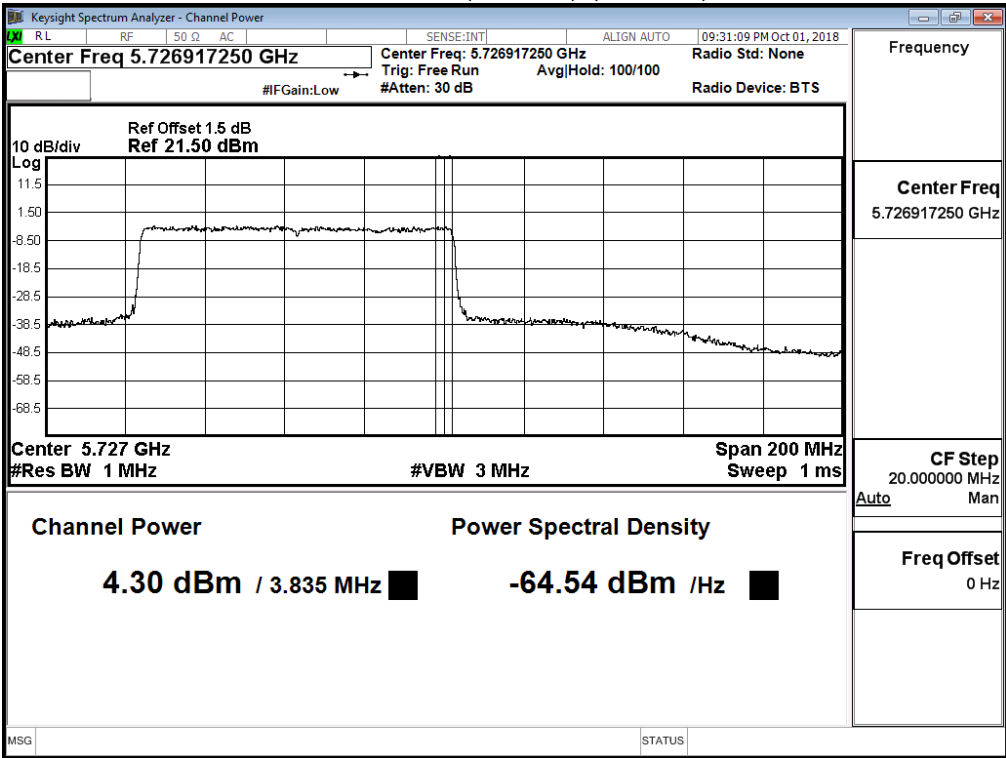
Maximum conducted output power:  
Channel 138 (U-NII-2C) (Chain A)



Maximum conducted output power:  
Channel 138 (U-NII-3) (Chain B)



Maximum conducted output power:  
Channel 138 (U-NII-3) (Chain B)



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201NGW

測試項目：峰值發射功率

測試頻道：--

測試模式：Mode 3: MIMO: 發射器 802.11ax-160BW

6 dB 頻寬：1MHz

視頻頻寬：3MHz

檢測器：峰值

環境溫度：21 °C

測試日期：107 年 10 月 03 日

環境濕度：53 %

**Chain A**

| Cable loss=1.5dB |                    | Maximum conducted output power |       |       |       |       |       |       |       |       |       |       |       |
|------------------|--------------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Channel No       | Frequency<br>(MHz) | Data Rate                      |       |       |       |       |       |       |       |       |       |       |       |
|                  |                    | MCS0                           | MCS1  | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  | MCS9  | MCS10 | MCS11 |
| 50 (U-NII-1)     | 5250               | 7.60                           | 7.58  | 7.52  | 7.51  | 7.50  | 7.47  | 7.42  | 7.41  | 7.39  | 7.38  | 7.35  | 7.31  |
| 50 (U-NII-2A)    | 5250               | 8.21                           | 8.19  | 8.18  | 8.15  | 8.12  | 8.11  | 8.08  | 8.07  | 8.05  | 8.01  | 7.99  | 7.94  |
| 114              | 5570               | 13.63                          | 11.28 | 11.21 | 11.16 | 11.09 | 11.02 | 10.94 | 10.82 | 10.71 | 10.60 | 10.49 | 10.35 |

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

**Chain B**

| Cable loss=1.5dB |                    | Maximum conducted output power |       |       |       |       |       |       |       |       |       |       |       |
|------------------|--------------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Channel No       | Frequency<br>(MHz) | Data Rate                      |       |       |       |       |       |       |       |       |       |       |       |
|                  |                    | MCS0                           | MCS1  | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  | MCS9  | MCS10 | MCS11 |
| 50 (U-NII-1)     | 5250               | 7.62                           | 7.61  | 7.58  | 7.55  | 7.50  | 7.48  | 7.46  | 7.45  | 7.39  | 7.37  | 7.32  | 7.31  |
| 50 (U-NII-2A)    | 5250               | 8.13                           | 8.12  | 8.09  | 8.07  | 8.06  | 8.04  | 8.03  | 8.01  | 7.99  | 7.97  | 7.95  | 7.91  |
| 114              | 5570               | 14.31                          | 11.31 | 11.28 | 11.27 | 11.21 | 11.18 | 11.16 | 11.13 | 11.04 | 11.02 | 10.95 | 10.94 |

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

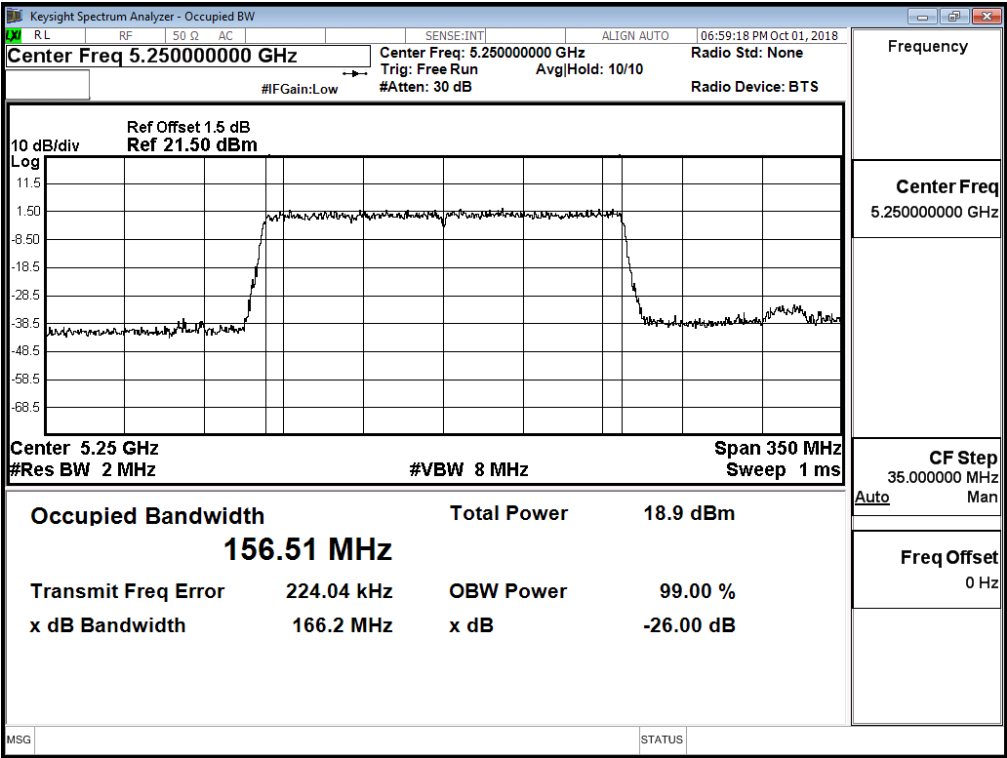
**Maximum conducted output power Measurement:**

| Channel No    | Frequency<br>Range<br>(MHz) | 99%<br>Bandwidth<br>(MHz) | Chain A<br>Power<br>(dBm) | Chain B<br>Power<br>(dBm) | Output<br>Power<br>(dBm) | Output Power Limit |               |
|---------------|-----------------------------|---------------------------|---------------------------|---------------------------|--------------------------|--------------------|---------------|
|               |                             |                           |                           |                           |                          | (dBm)              | dBm+10log(BW) |
| 50 (U-NII-1)  | 5250                        | --                        | 7.600                     | 7.620                     | 10.62                    | 24                 | --            |
| 50 (U-NII-2A) | 5250                        | 78.255                    | 8.210                     | 8.130                     | 11.18                    | 24                 | 29.94         |
| 114           | 5570                        | 156.720                   | 13.63                     | 14.31                     | 16.99                    | 24                 | 32.95         |

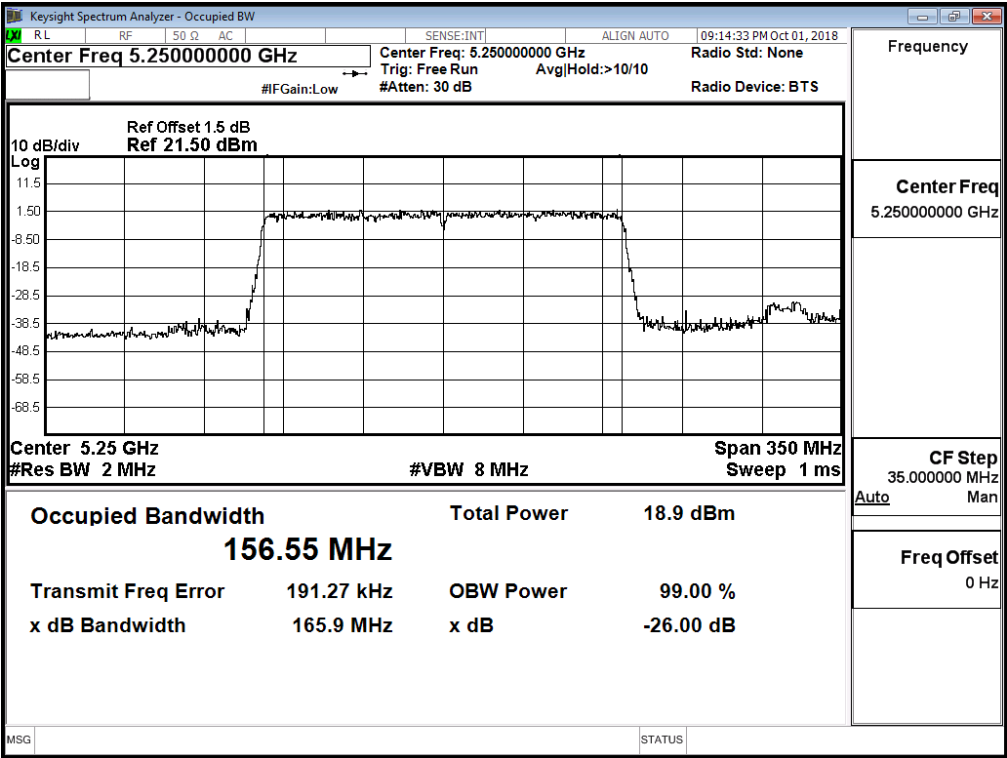
Note:

- Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
- 99% Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

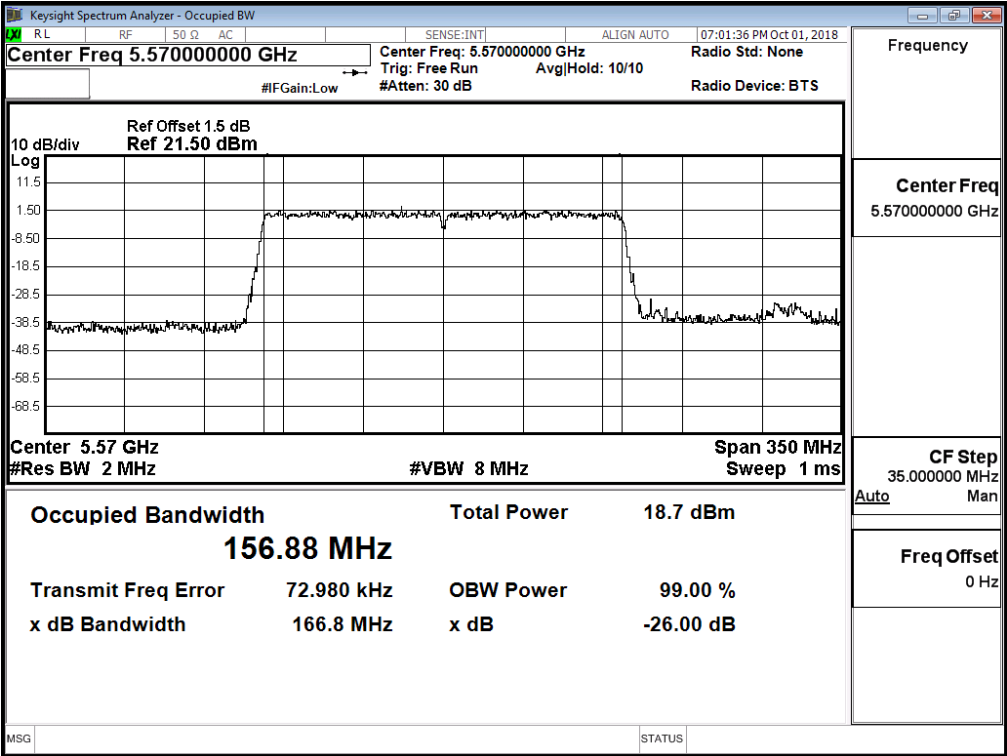
99% Occupied Bandwidth:  
Channel 50 (Chain A)



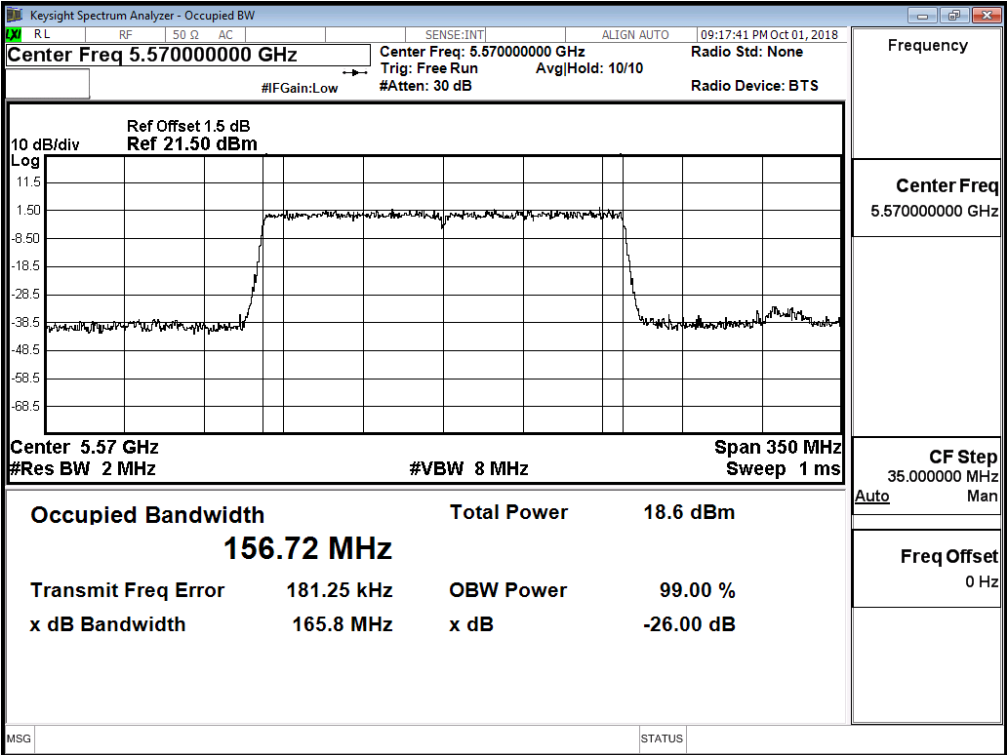
Channel 50 (Chain B)



Channel 114 (Chain A)

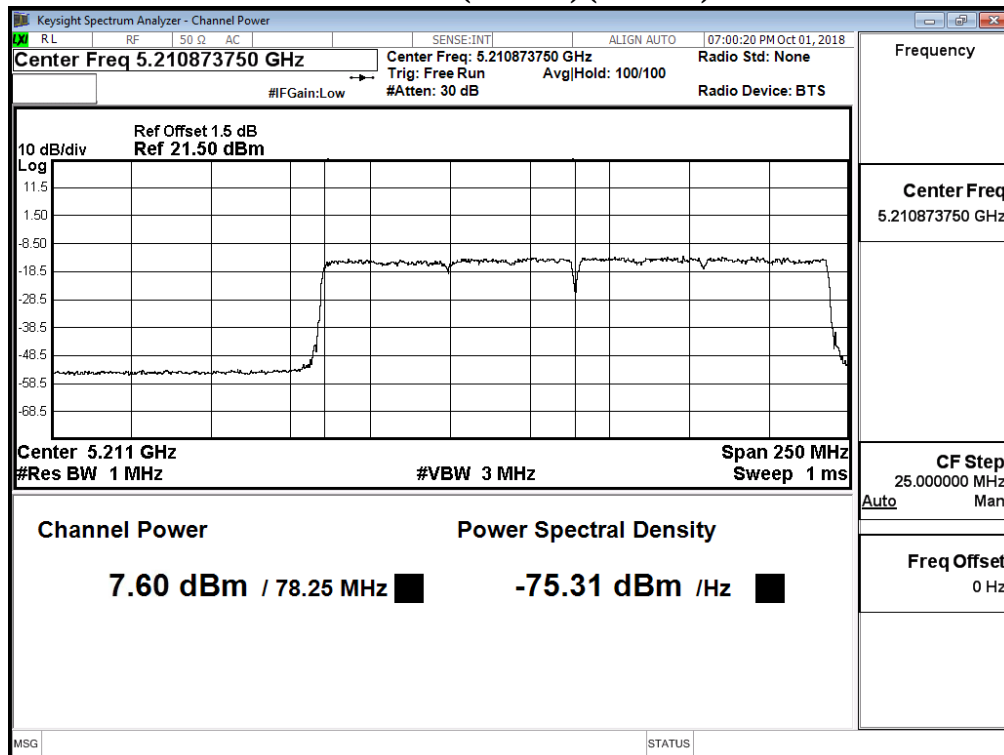


Channel 114 (Chain B)



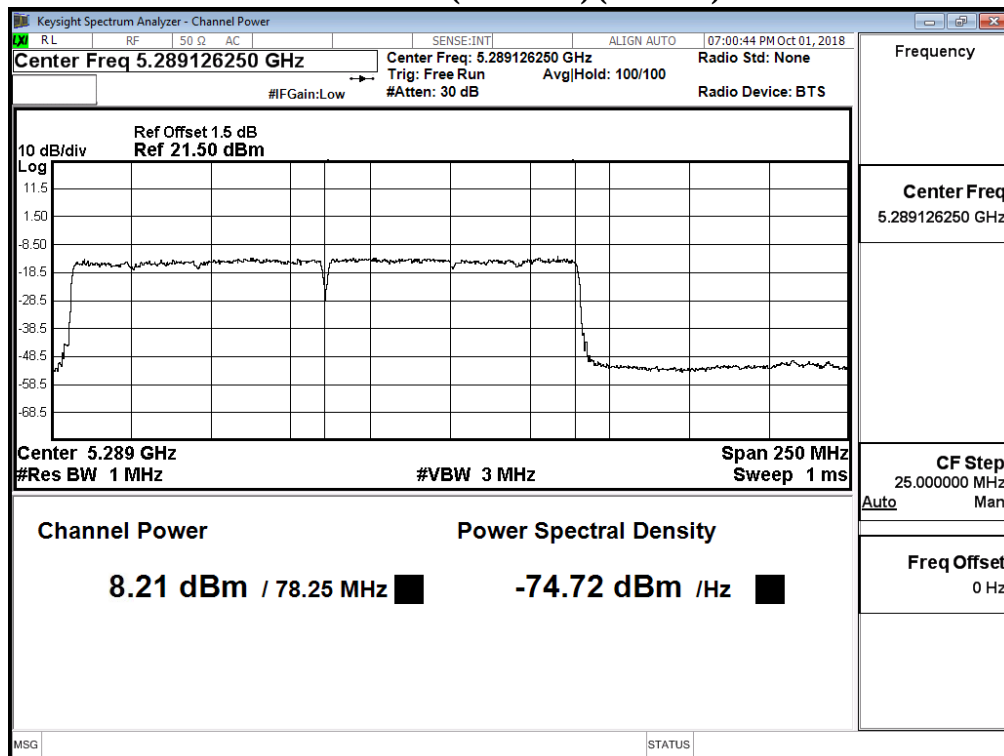
## Maximum conducted output power:

## Channel 50 (U-NII-1) (Chain A)



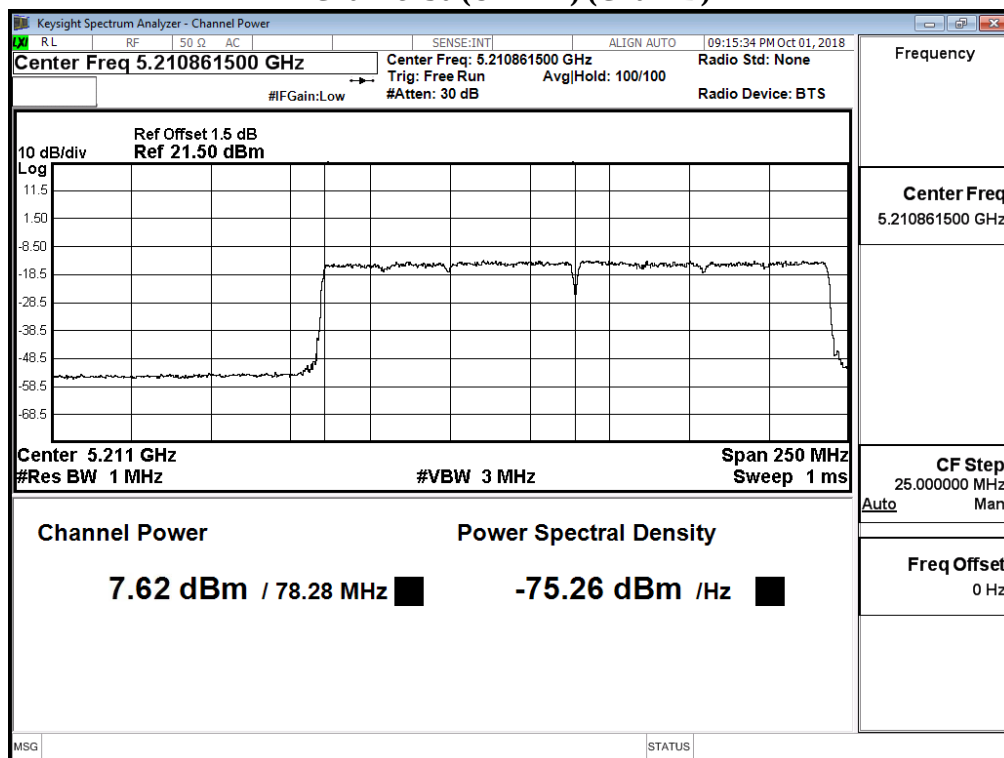
## Maximum conducted output power:

## Channel 50 (U-NII-2A) (Chain A)



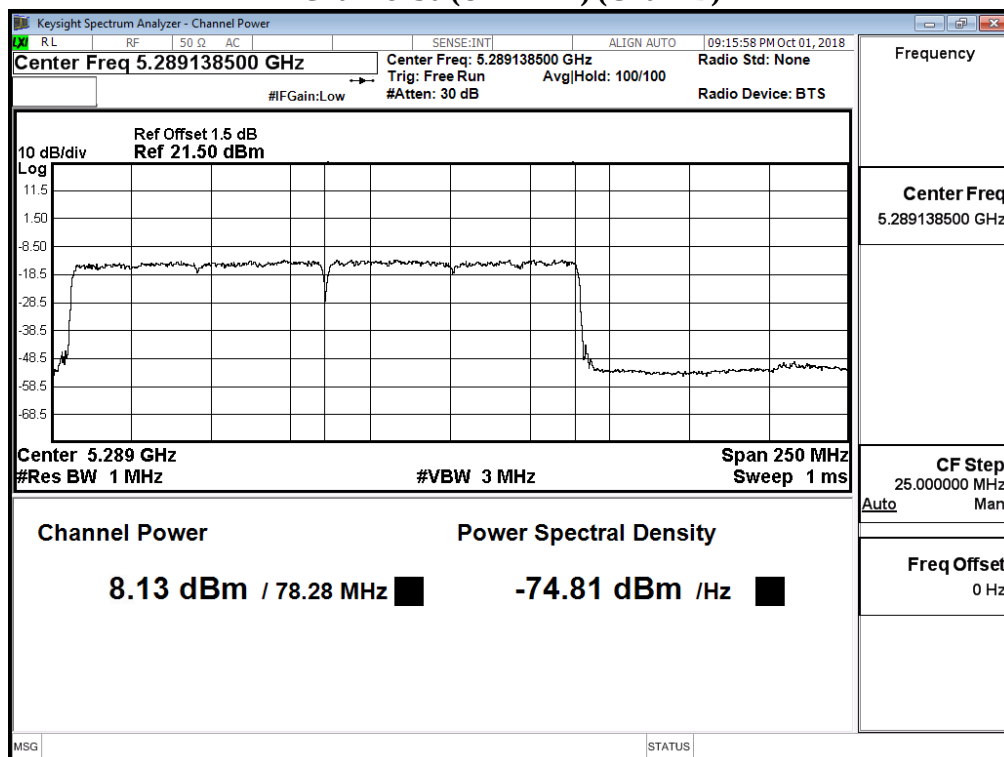
## Maximum conducted output power:

## Channel 50 (U-NII-1) (Chain B)



## Maximum conducted output power:

## Channel 50 (U-NII-2A) (Chain B)



峰值發射功率測試結果:

PASS

## 6. 峰值功率頻譜密度

### 6.1. 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範之第 4.7.3 節

#### 4.7.3.1 使用於 5.15 GHz~5.25 GHz 頻段

##### (1) 供戶外操作使用:

- (A) 最大傳導輸出功率應小於或等於 1 W。
- (B) 在任何 1 MHz 頻帶中最大功率頻譜密度應小於或等於 17 dBm。
- (C) 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。
- (D) 在水平面仰角超過 30 度時，其最大 EIRP 應小於或等於 21 dBm。

##### (2) 供室內操作使用:

- (A) 最大傳導輸出功率應小於或等於 1 W。
- (B) 在任何 1 MHz 頻帶中最大功率頻譜密度應小於或等於 17 dBm。
- (C) 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

##### (3) 供固定式點對點操作使用:

- (A) 最大傳導輸出功率應小於或等於 1 W。
- (B) 在任何 1 MHz 頻帶中最大功率頻譜密度應小於或等於 17 dBm。
- (C) 使用超過 23 dBi 方向增益之指向性天線時，應依超過 23 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。
- (D) 固定式點對點操作，不包括點對多點系統、全方向性應用及多台共站發射機傳送相同資訊。

##### (4) 供用戶端裝置(Client Device)操作使用:

- (A) 最大傳導輸出功率應小於或等於 250 mW。
- (B) 在任何 1 MHz 頻帶中最大功率頻譜密度應小於或等於 11 dBm。
- (C) 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

#### 4.7.3.2 使用頻率於 5.25 GHz~5.35 GHz 與 5.470 GHz~5.725 GHz 頻段

- (1) 最大傳導輸出功率應小於或等於 250 mW 或  $11\text{dBm} + 10\log B$  (B 是 26 dB 發射頻寬，單位 MHz)之較小者。
- (2) 最大功率頻譜密度在任何 1 MHz 頻帶中應小於或等於 11 dBm。
- (3) 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

#### 4.7.3.3 使用頻率於 5.725 GHz~5.850 GHz 頻段

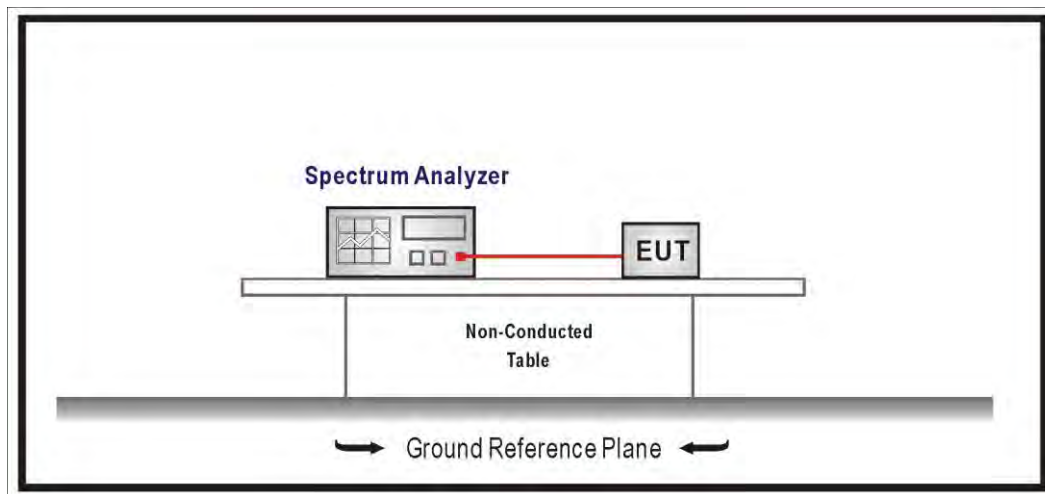
- (1) 最大傳導輸出功率應小於或等於 1 W。
- (2) 在任何 500 kHz 頻帶中最大功率頻譜密度應小於或等於 30 dBm。
- (3) 供固定式點對點操作時，使用方向增益超過 6 dBi 之發射天線，可不需對應減少發射器之傳導輸出功率限制值。
- (4) 除(3)外，使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度

### 6.2. 量測方法

- (A) 應將測試儀器直接連接待測物，以傳導方式執行。
- (B) 5.15 GHz~5.25 GHz、5.25 GHz~5.35 GHz 及 5.47 GHz~5.725 GHz 頻段，測試儀器之頻寬應設定為 1 MHz 頻寬或待測物之 26 dB 發射頻寬，兩者取較小者。
- (C) 5.725 GHz~5.850 GHz 頻段，測試儀器之頻寬應設定為 500 kHz 或待測物之 26 dB 發射頻寬，兩者取較小者。
- (D) 解析頻寬小於(B)或(C)時，應以補償方式計算總功率頻譜密度。

For the band 5.725-5.85 GHz, Scale the observed power level to an equivalent value in 500 kHz by adjusting (increase) the measured power by a bandwidth correction factor (BWCF) where  $BWCF = 10\log(500\text{ kHz}/100\text{ kHz}) = 6.98\text{ dB}$ .

### 6.3. 測試架構圖



### 6.4. 量測不確定度

此項測試之量測不確定度為 $\pm 1.62\text{ dB}$ 。

## 6.5. 峰值功率頻譜密度測試結果

待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201NGW

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：107 年 10 月 03 日

測試項目：峰值功率頻譜密度

測試模式：Mode 1: SISO A: 發射器 802.11a

視頻頻寬：3MHz

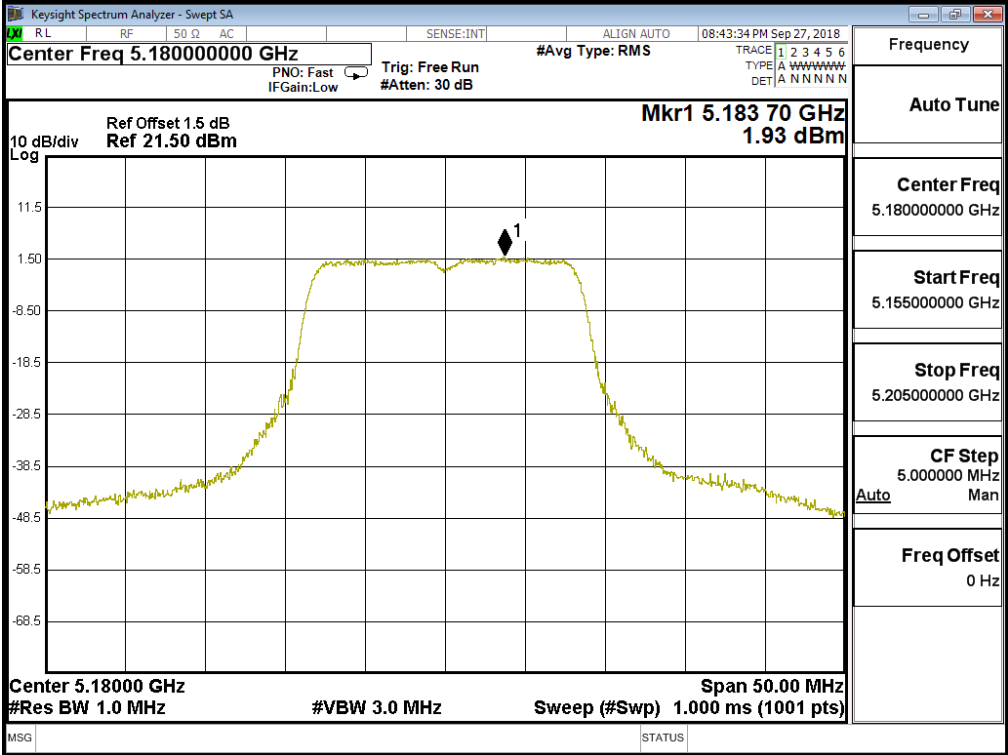
環境溫度：21 °C

環境濕度：53 %

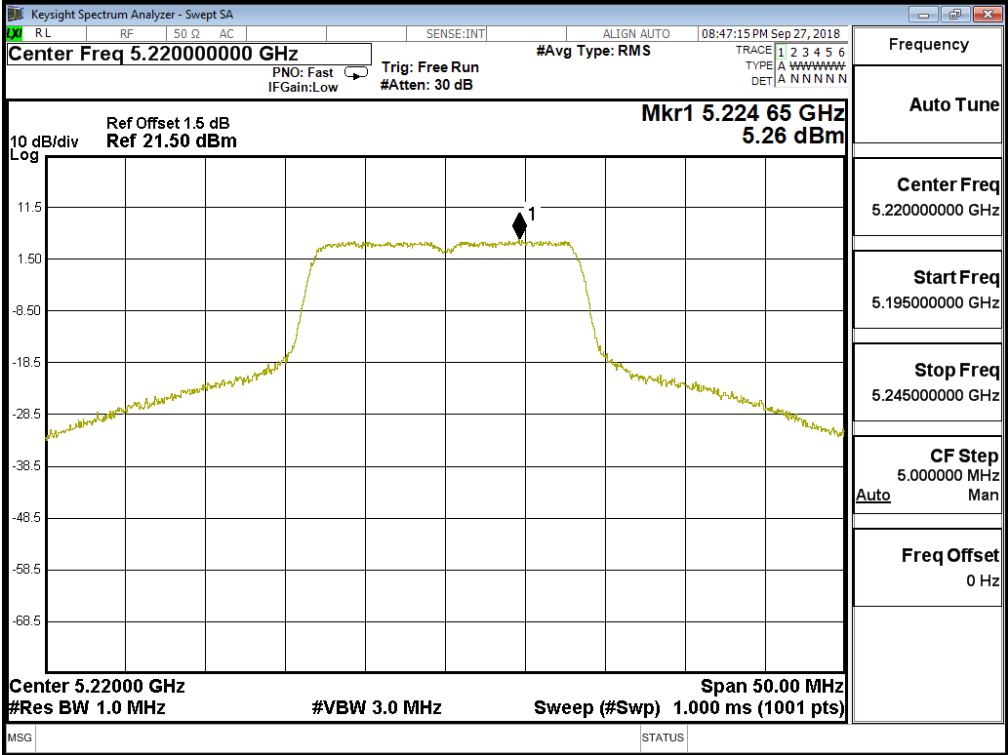
| Channel Number | Frequency (MHz) | PPSD (dBm) | Required Limit (dBm) | Result |
|----------------|-----------------|------------|----------------------|--------|
| 36             | 5180            | 1.930      | <11                  | Pass   |
| 44             | 5220            | 5.260      | <11                  | Pass   |
| 48             | 5240            | 4.360      | <11                  | Pass   |
| 52             | 5260            | 4.440      | <11                  | Pass   |
| 60             | 5300            | 4.110      | <11                  | Pass   |
| 64             | 5320            | 0.820      | <11                  | Pass   |
| 100            | 5500            | 1.510      | <11                  | Pass   |
| 116            | 5580            | 5.870      | <11                  | Pass   |
| 140            | 5700            | 1.730      | <11                  | Pass   |

| Channel Number | Frequency (MHz) | PPSD (dBm) | BWCF (dB) | Total PPSSD (dBm) | Required Limit (dBm) | Result |
|----------------|-----------------|------------|-----------|-------------------|----------------------|--------|
| 149            | 5745            | -2.090     | 6.980     | 4.890             | <30                  | Pass   |
| 157            | 5785            | -2.230     | 6.980     | 4.750             | <30                  | Pass   |
| 165            | 5825            | -2.130     | 6.980     | 4.850             | <30                  | Pass   |

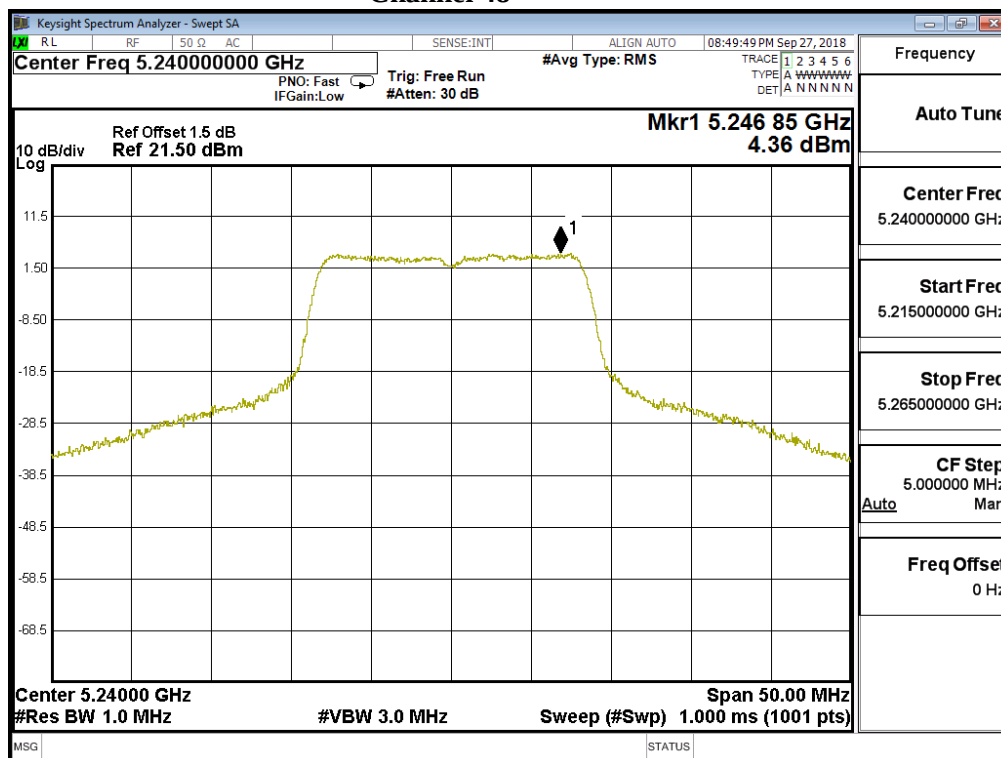
Channel 36



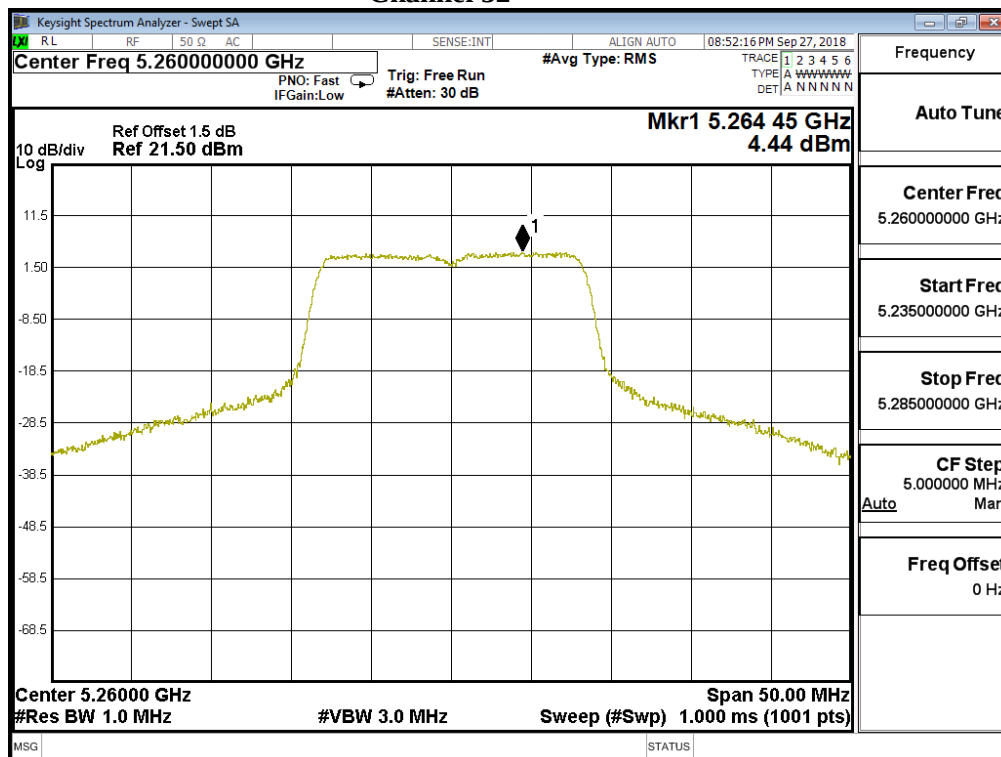
Channel 44



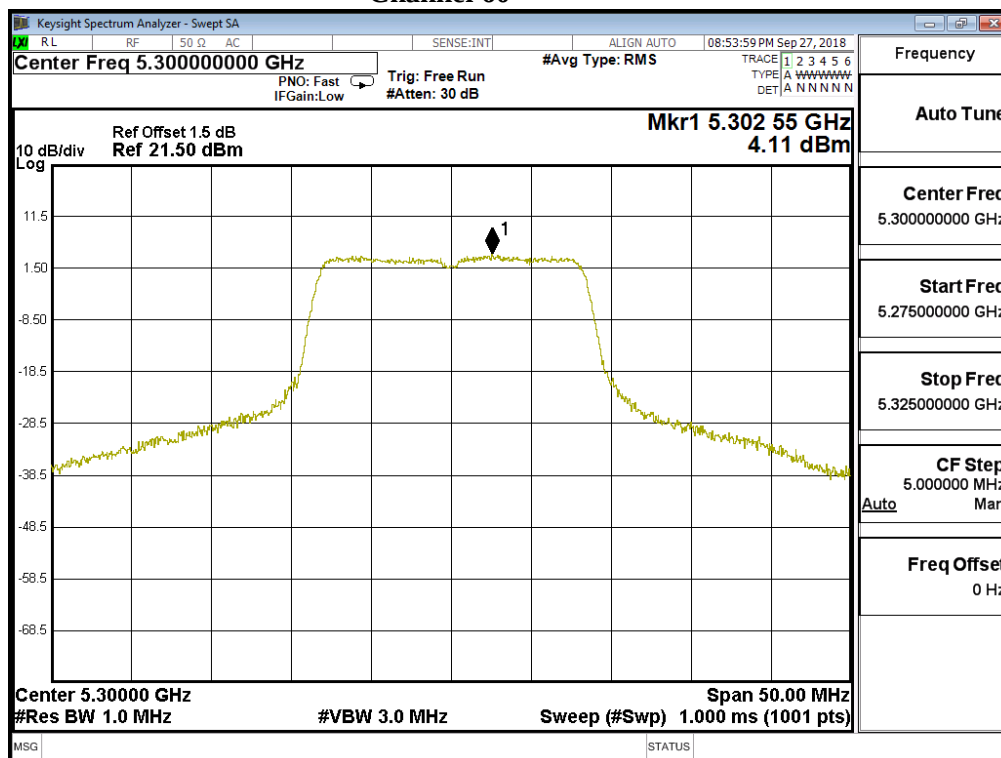
## Channel 48



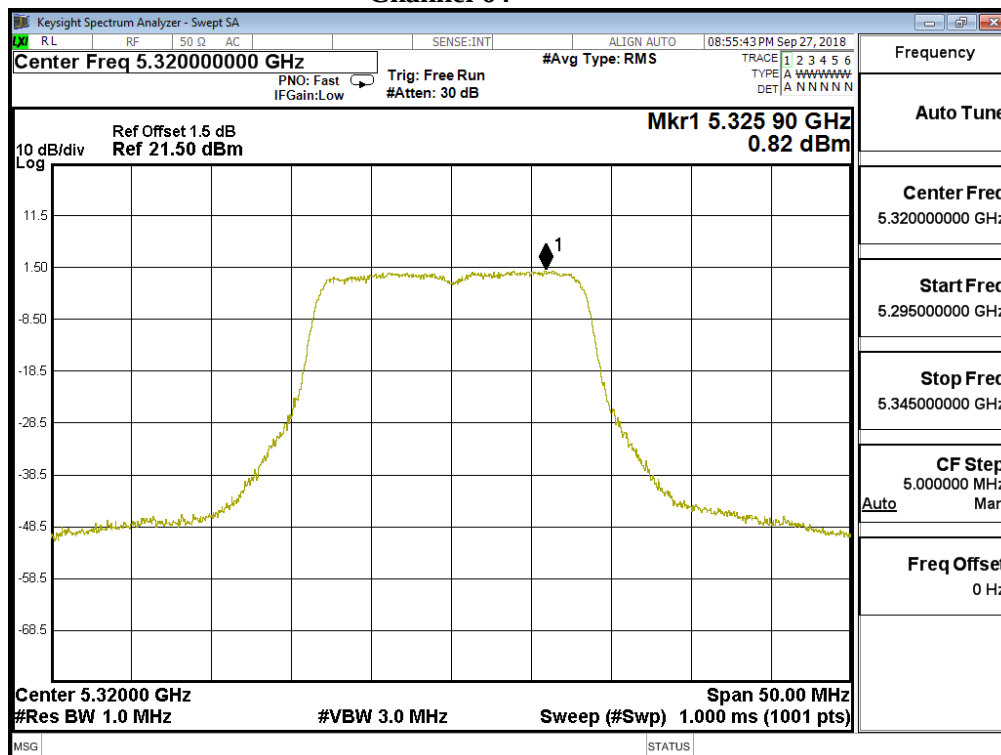
## Channel 52



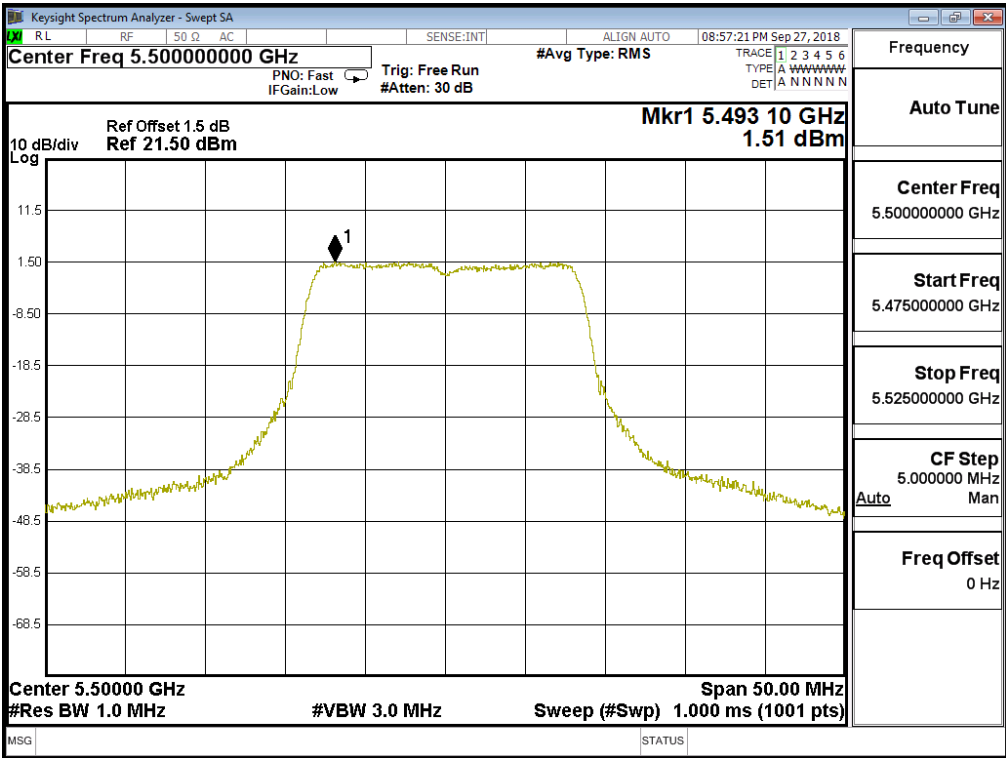
## Channel 60



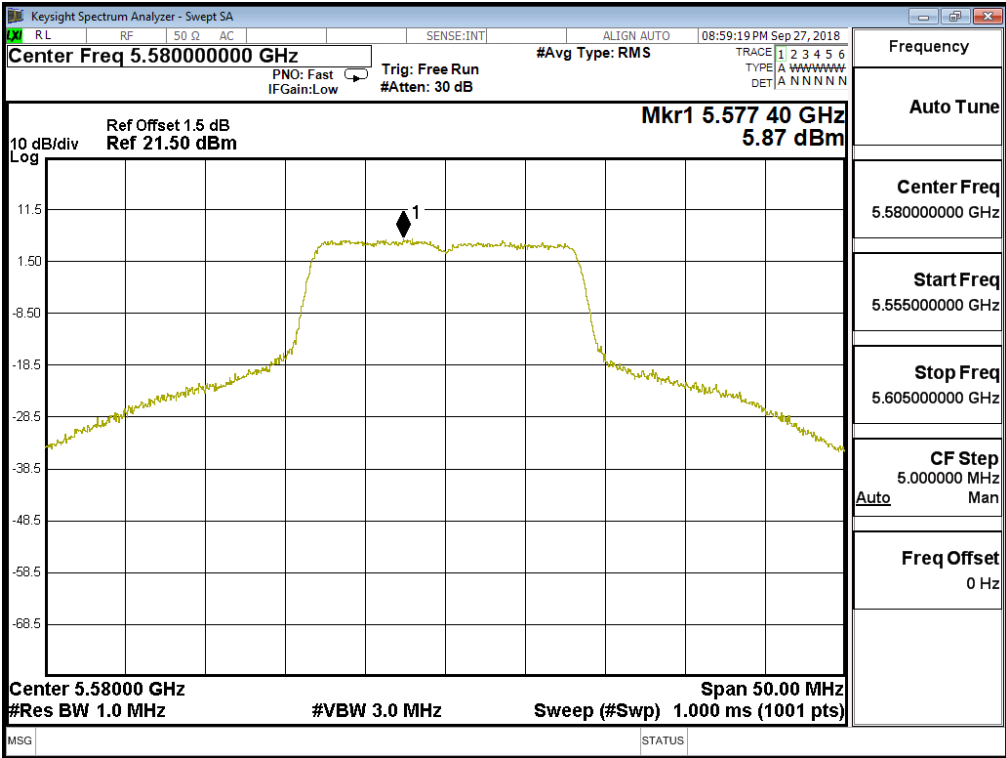
## Channel 64



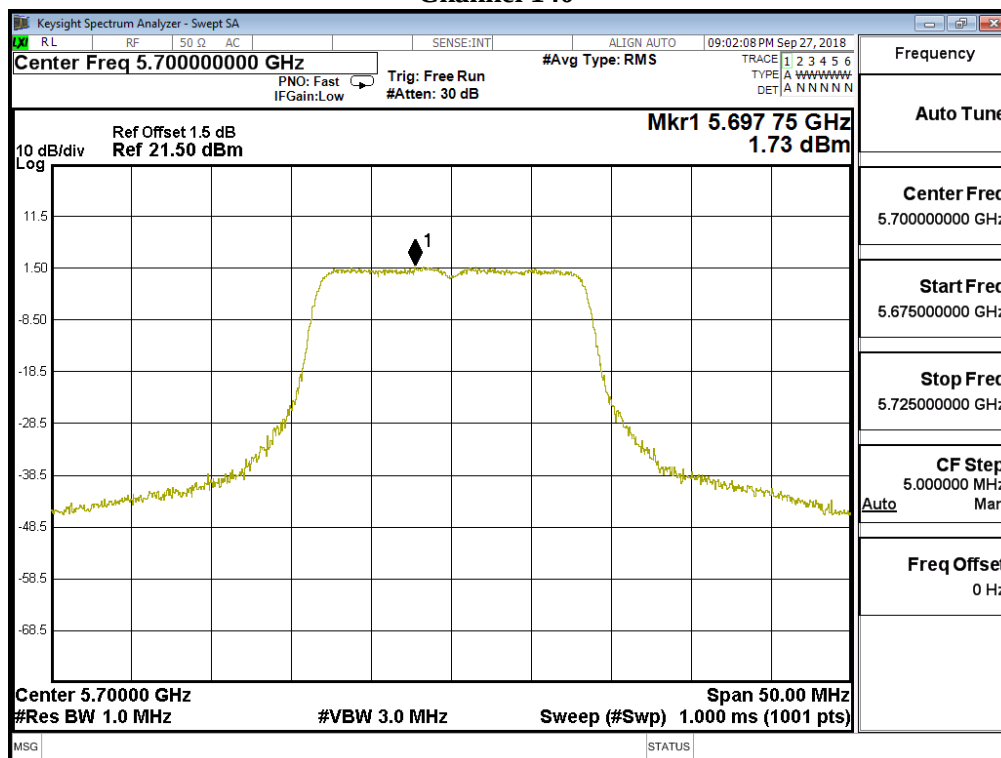
Channel 100



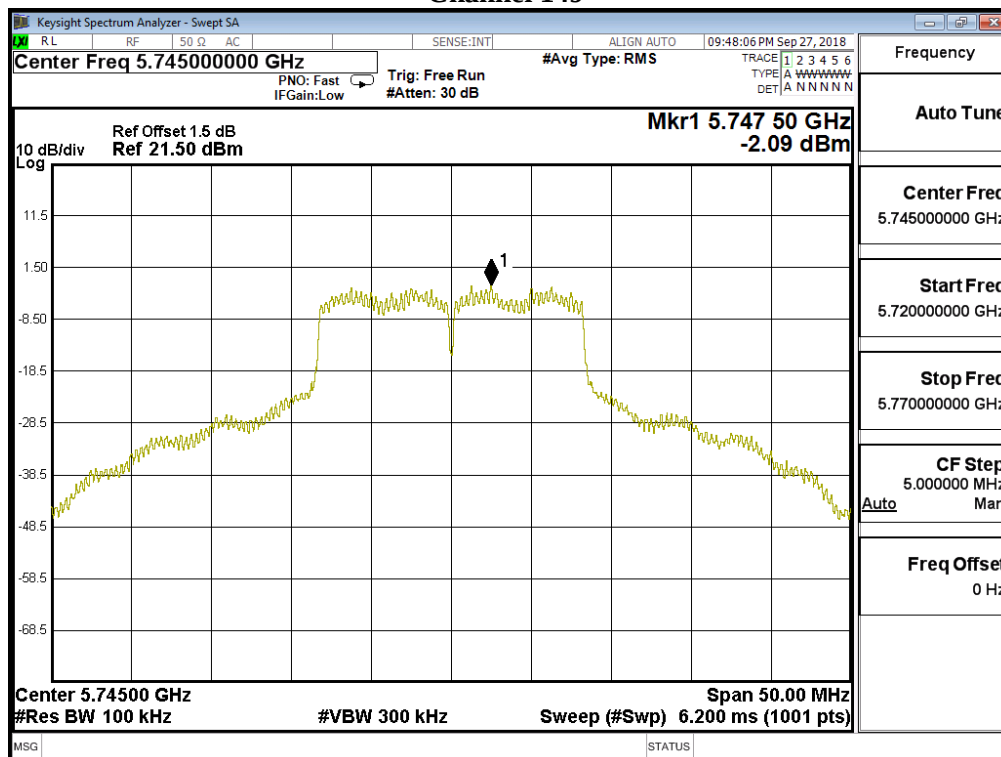
Channel 116



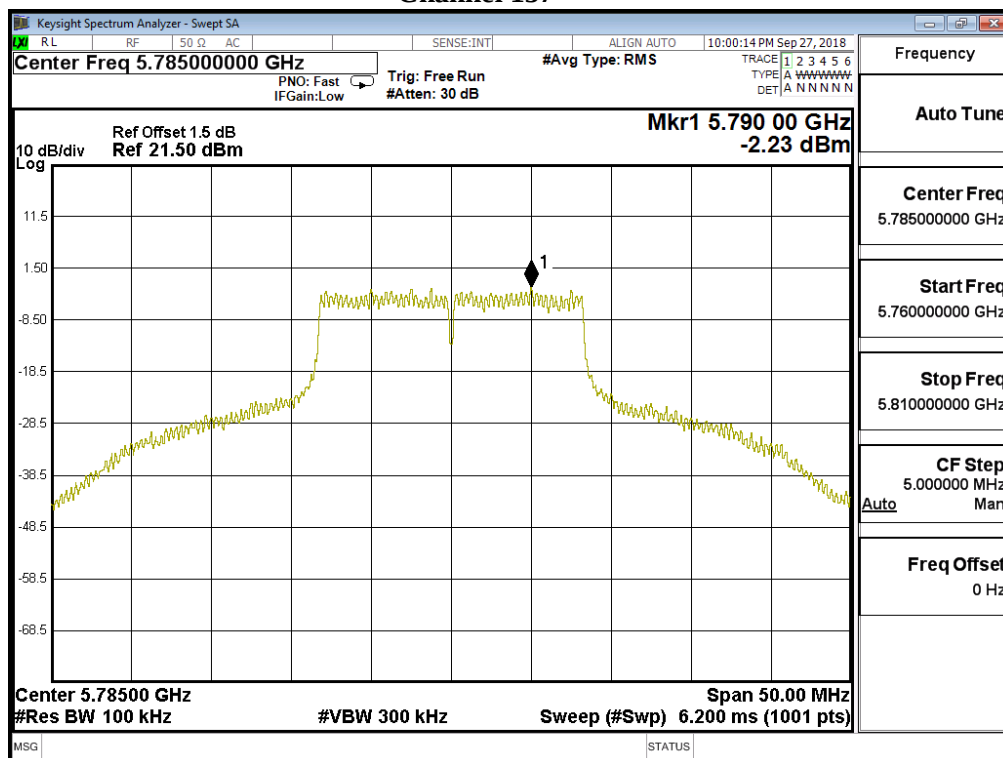
## Channel 140



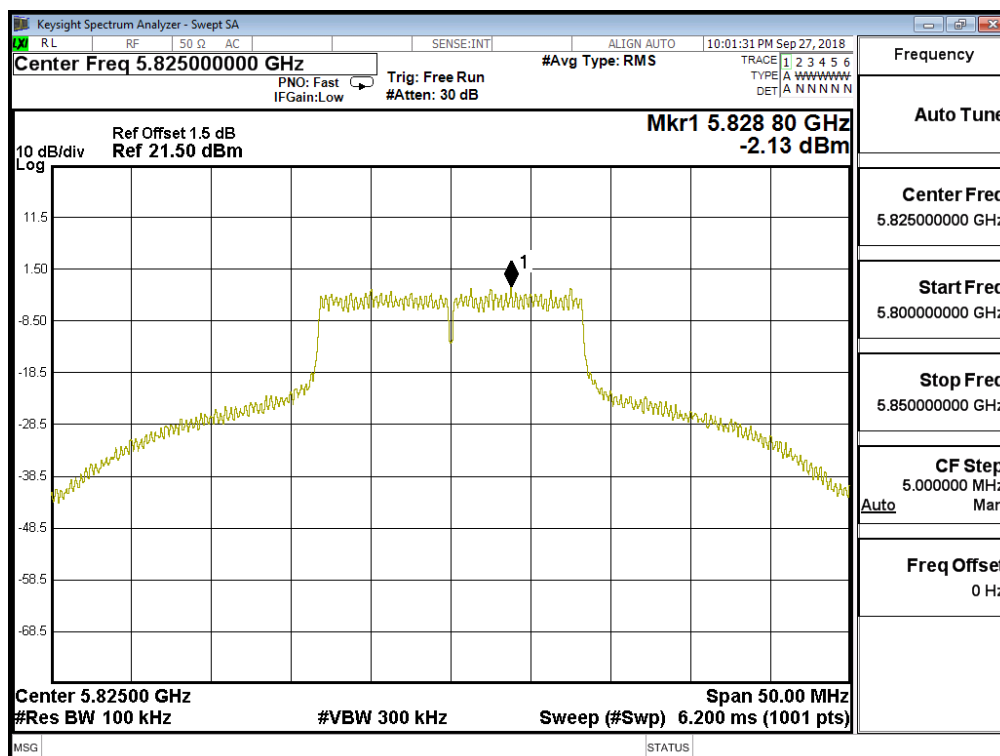
## Channel 149



## Channel 157



## Channel 165



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201NGW

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：107年10月03日

測試項目：峰值功率頻譜密度

測試模式：Mode 1: SISO A: 發射器 802.11n-20BW

視頻頻寬：3MHz

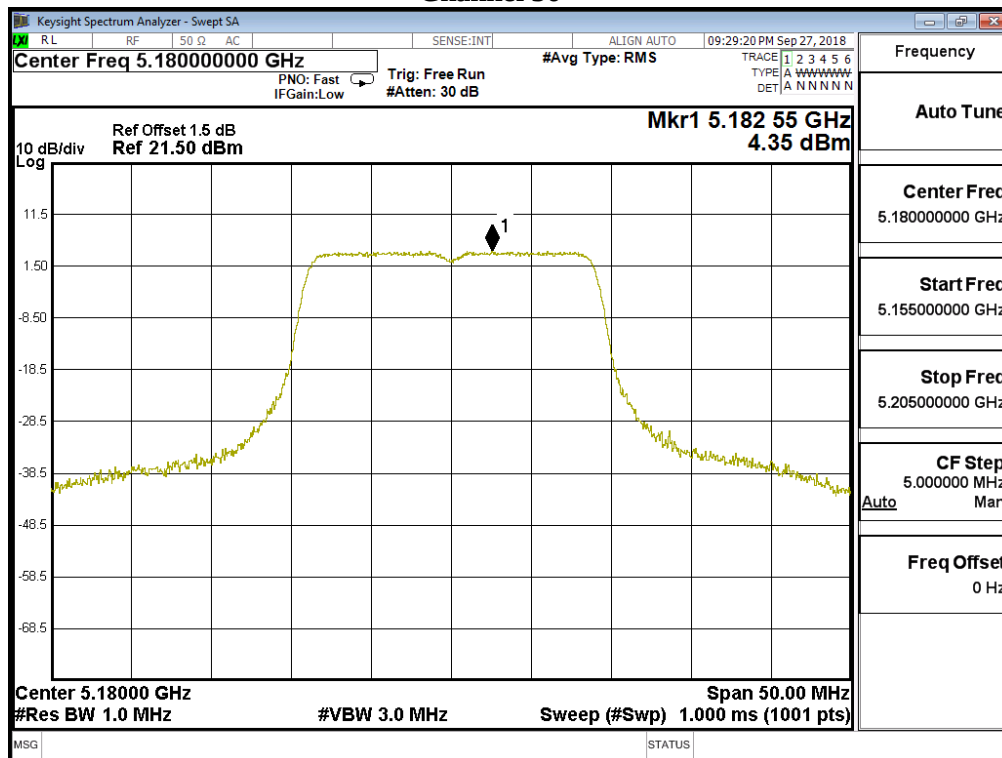
環境溫度：21 °C

環境濕度：53 %

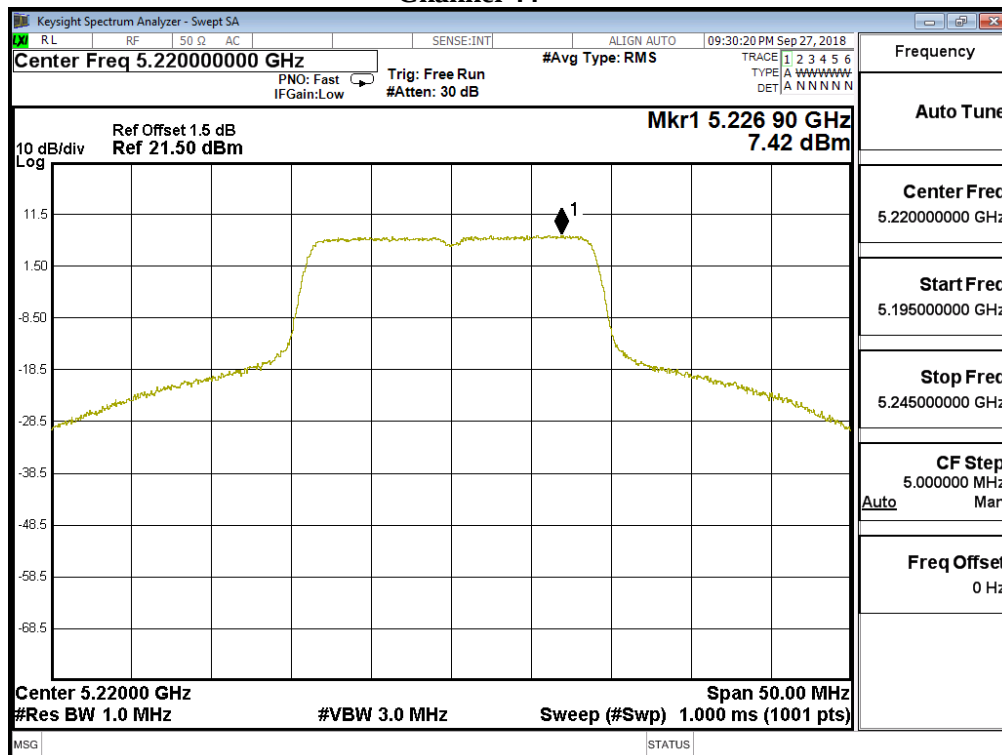
| Channel Number | Frequency (MHz) | PPSD (dBm) | Required Limit (dBm) | Result |
|----------------|-----------------|------------|----------------------|--------|
| 36             | 5180            | 4.350      | <11                  | Pass   |
| 44             | 5220            | 7.420      | <11                  | Pass   |
| 48             | 5240            | 6.710      | <11                  | Pass   |
| 52             | 5260            | 6.940      | <11                  | Pass   |
| 60             | 5300            | 6.030      | <11                  | Pass   |
| 64             | 5320            | 2.930      | <11                  | Pass   |
| 100            | 5500            | 3.680      | <11                  | Pass   |
| 116            | 5580            | 7.610      | <11                  | Pass   |
| 140            | 5700            | 3.780      | <11                  | Pass   |

| Channel Number | Frequency (MHz) | PPSD (dBm) | BWCF (dB) | Total PPSD (dBm) | Required Limit (dBm) | Result |
|----------------|-----------------|------------|-----------|------------------|----------------------|--------|
| 144(U-NII-2C)  | 5720            | 6.990      | --        | 6.990            | <11                  | Pass   |
| 144(U-NII-3)   | 5720            | -2.020     | 6.980     | 4.960            | <30                  | Pass   |
| 149            | 5745            | -0.830     | 6.980     | 6.150            | <30                  | Pass   |
| 157            | 5785            | -0.380     | 6.980     | 6.600            | <30                  | Pass   |
| 165            | 5825            | -0.720     | 6.980     | 6.260            | <30                  | Pass   |

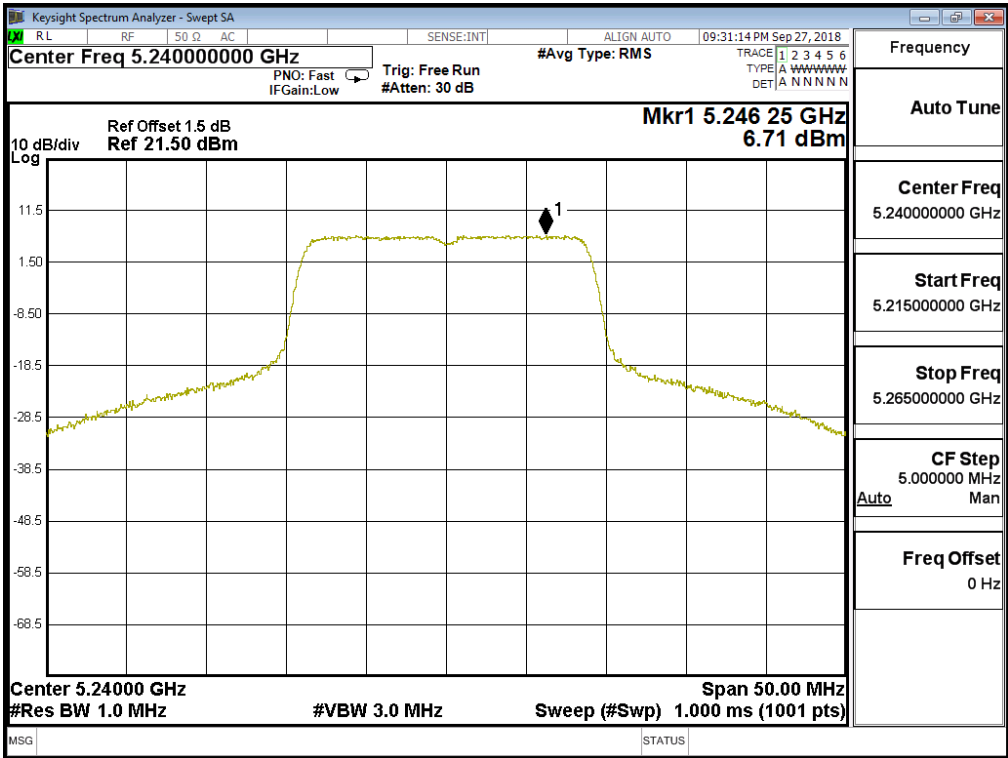
## Channel 36



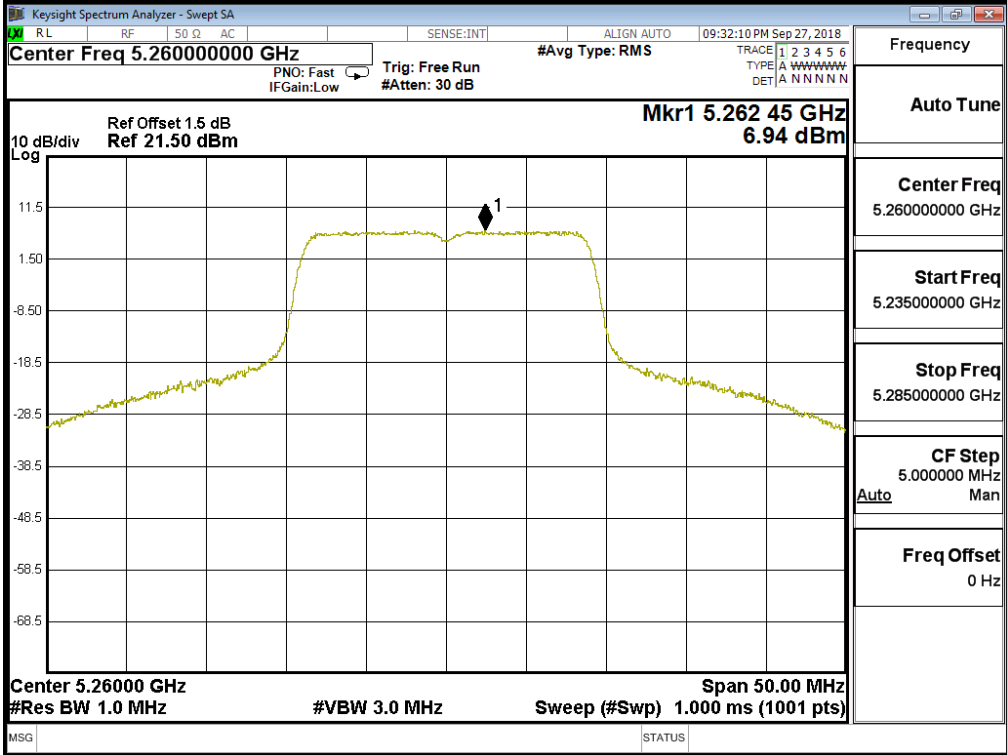
## Channel 44



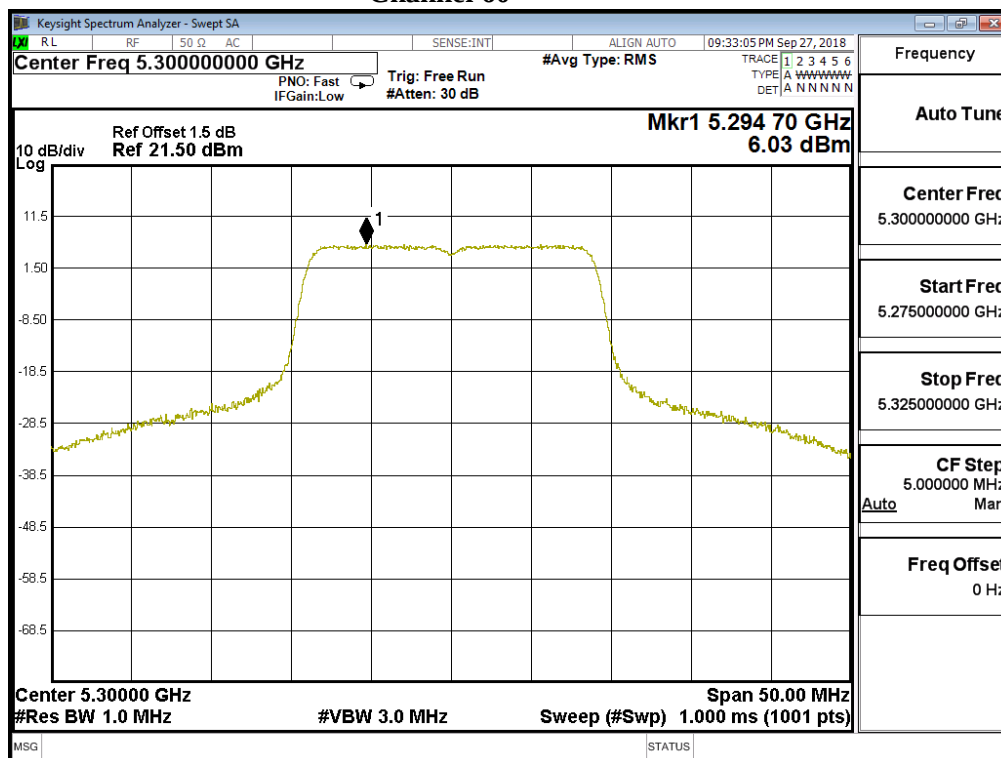
Channel 48



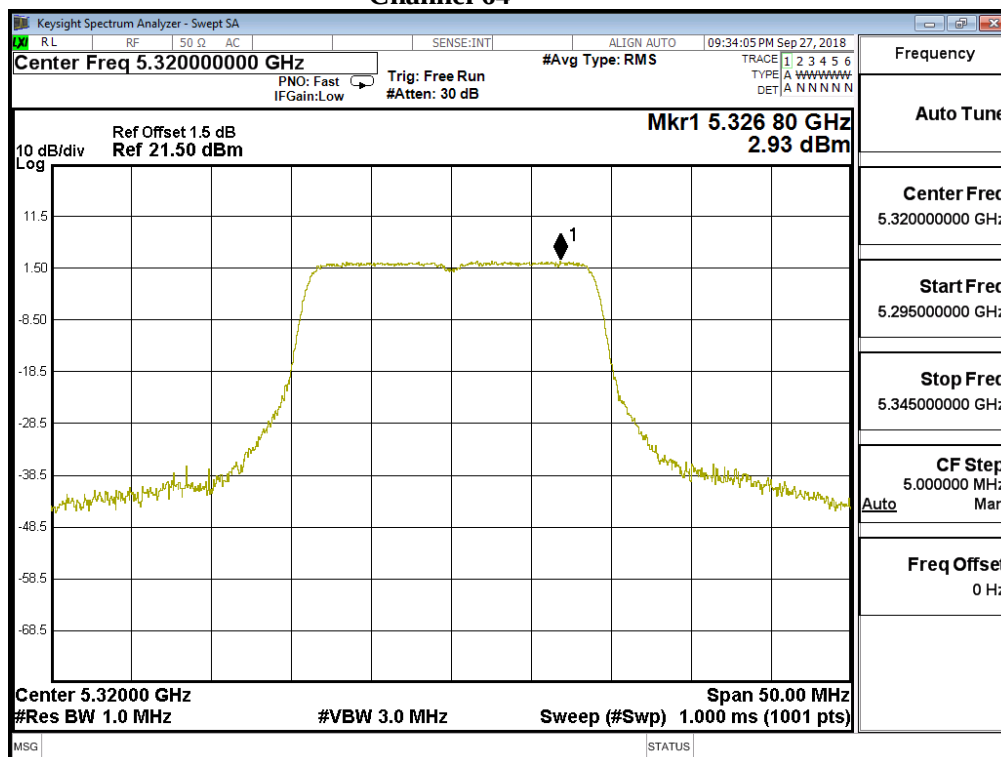
Channel 52



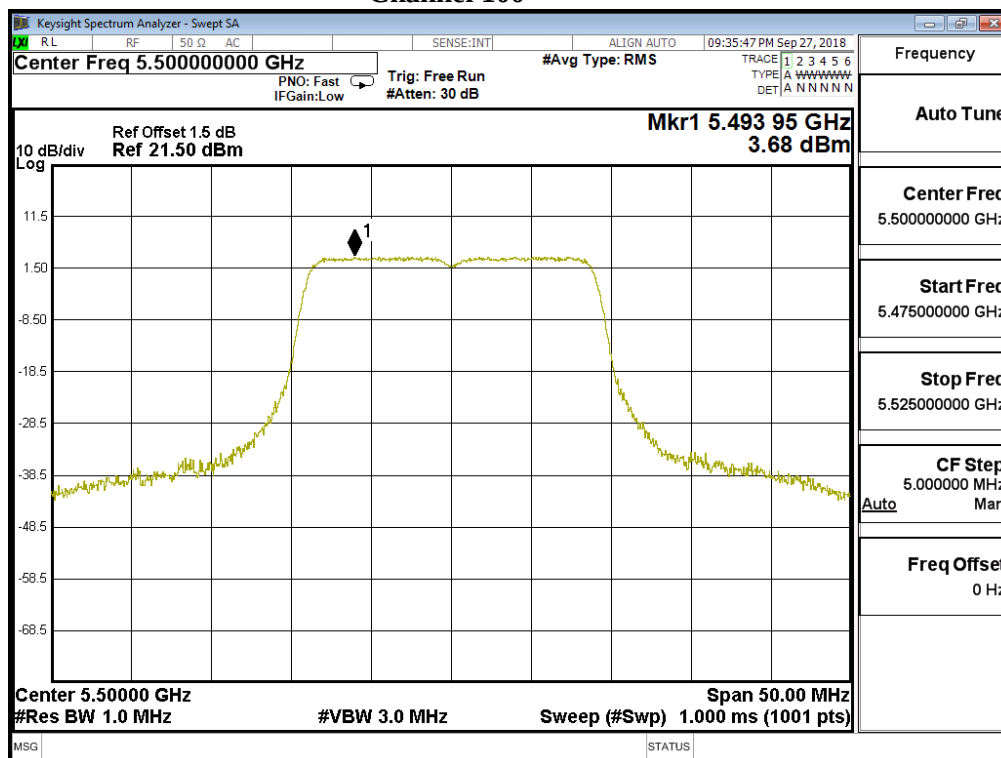
## Channel 60



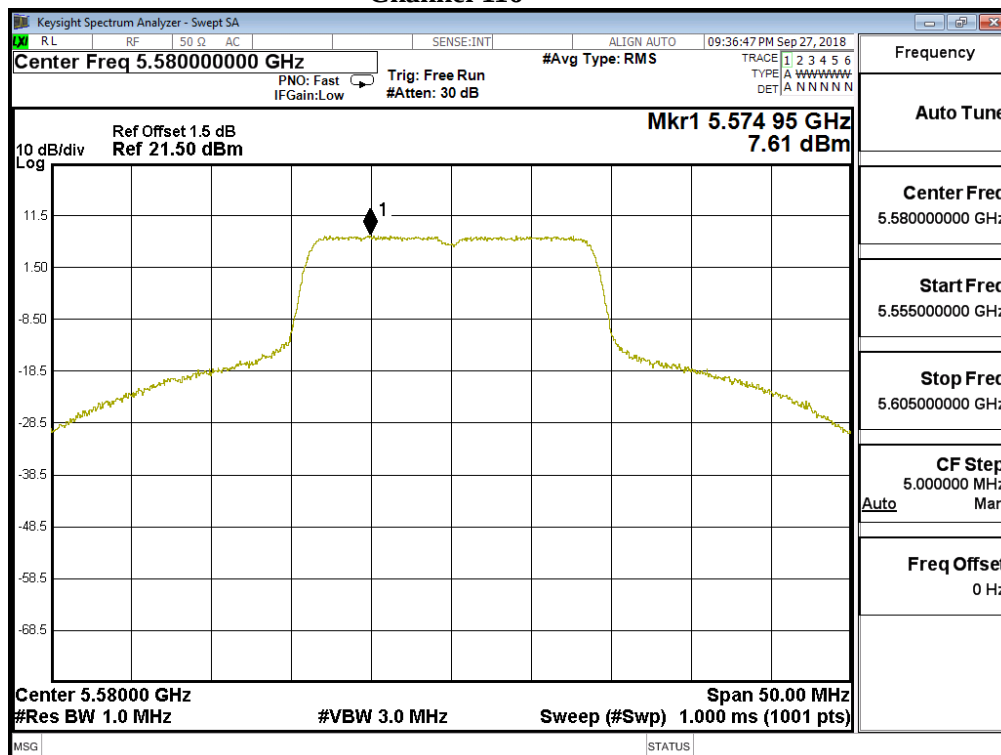
## Channel 64



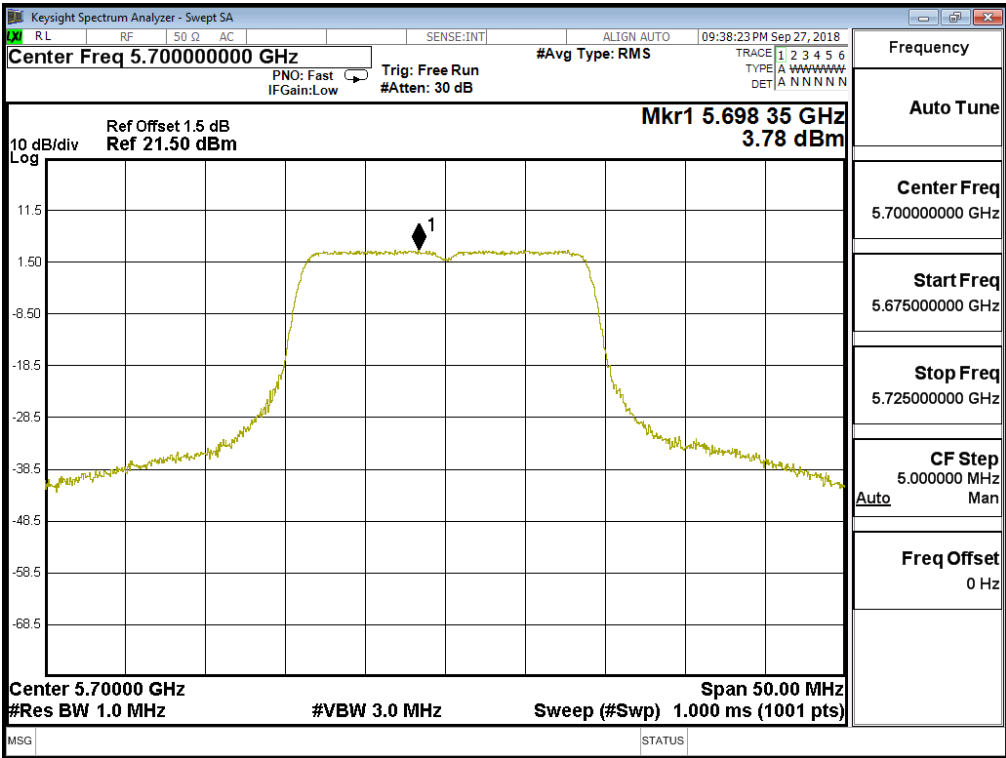
## Channel 100



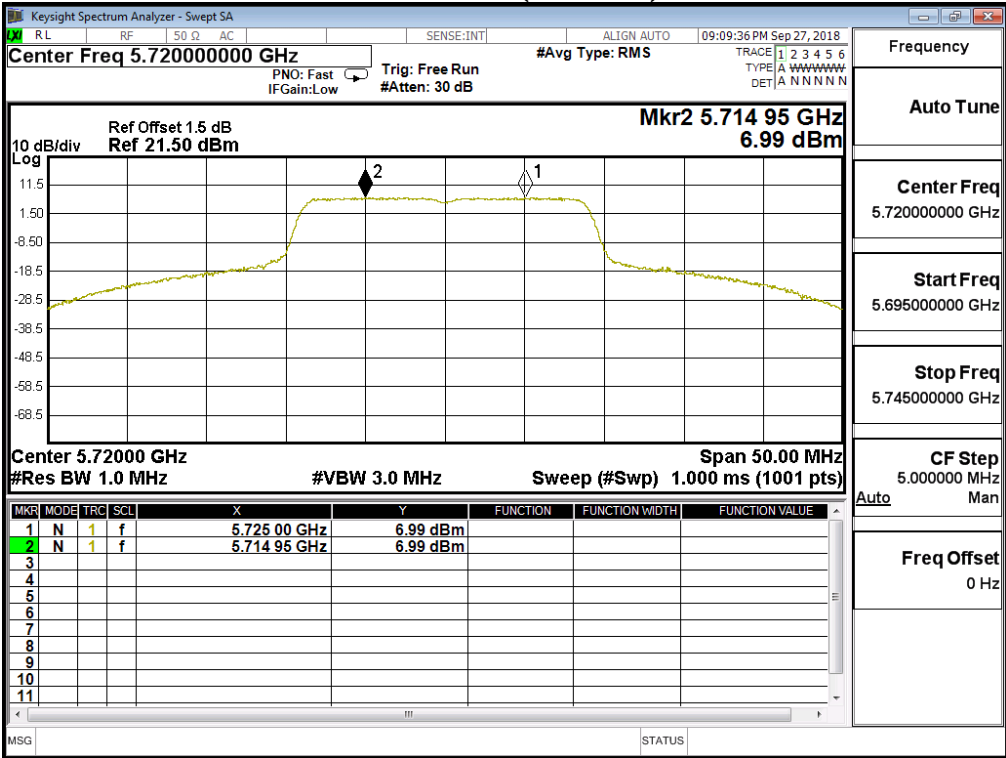
## Channel 116



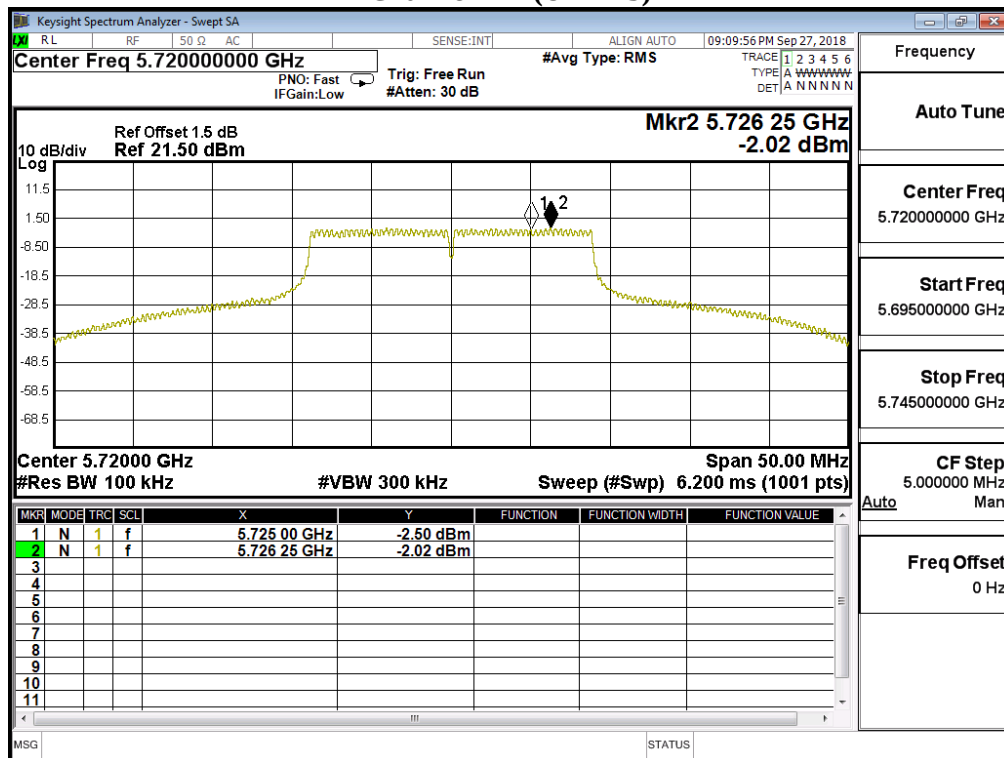
Channel 140



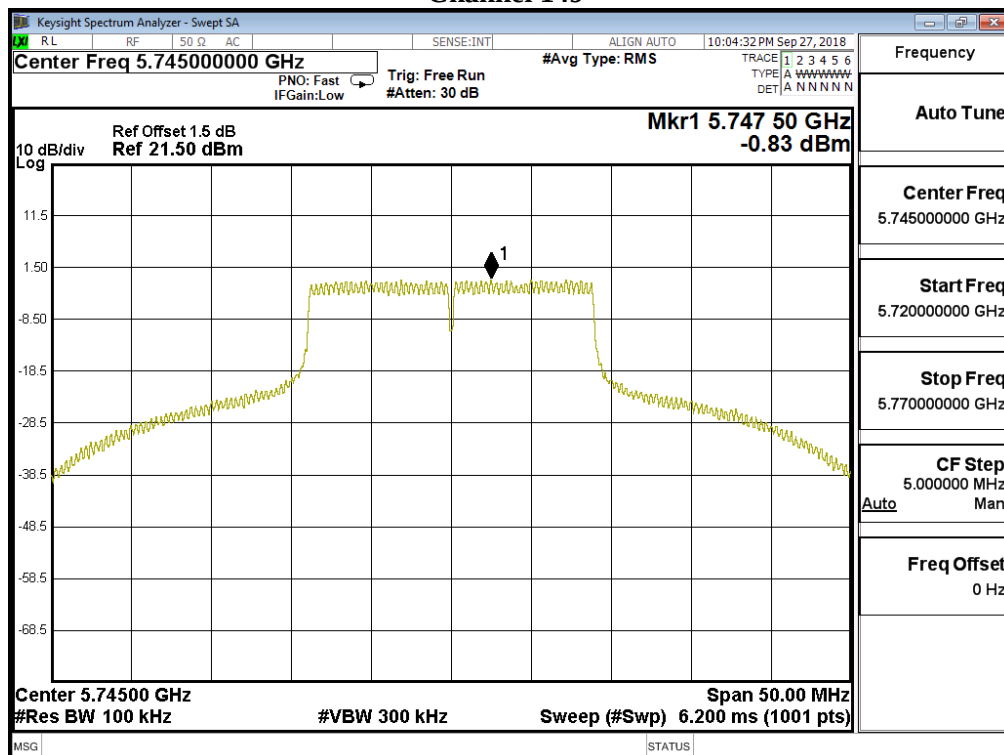
Channel 144(U-NII-2C)



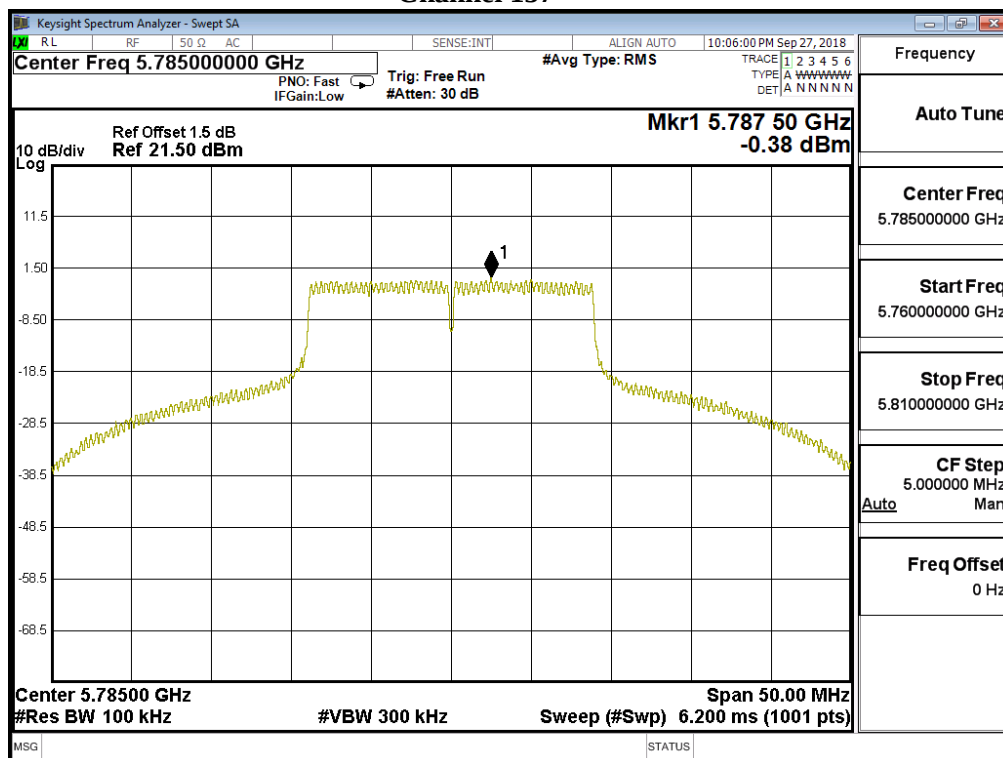
## Channel 144 (U-NII-3)



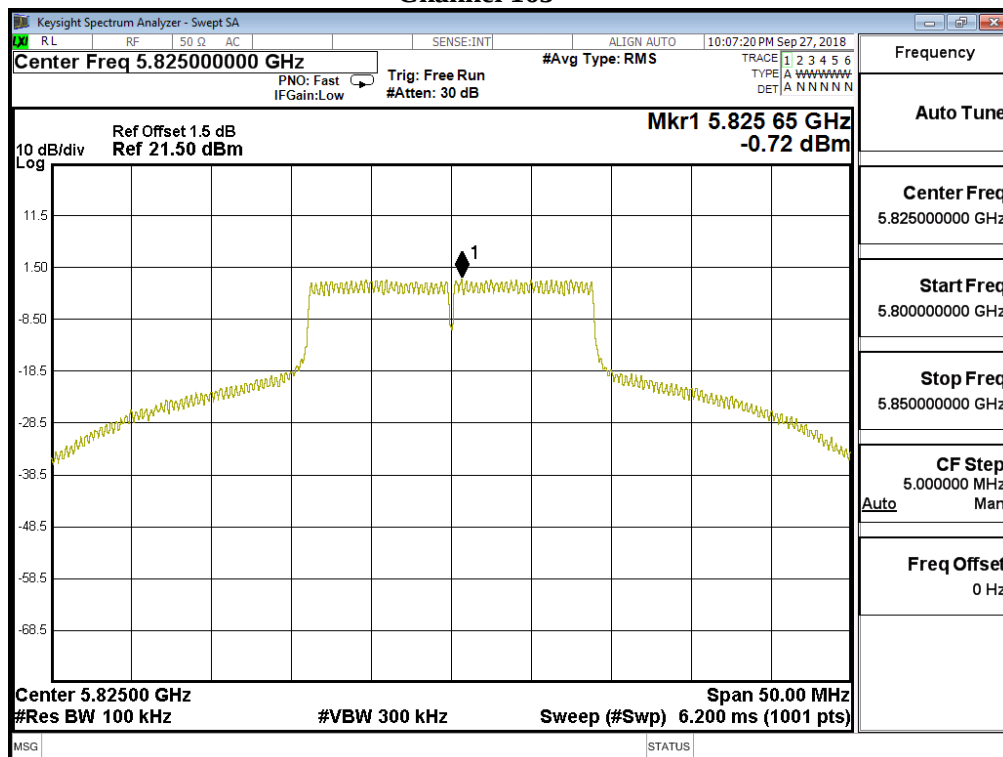
## Channel 149



## Channel 157



## Channel 165



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201NGW

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：107 年 10 月 03 日

測試項目：峰值功率頻譜密度

測試模式：Mode 1: SISO A: 發射器 802.11n-40BW

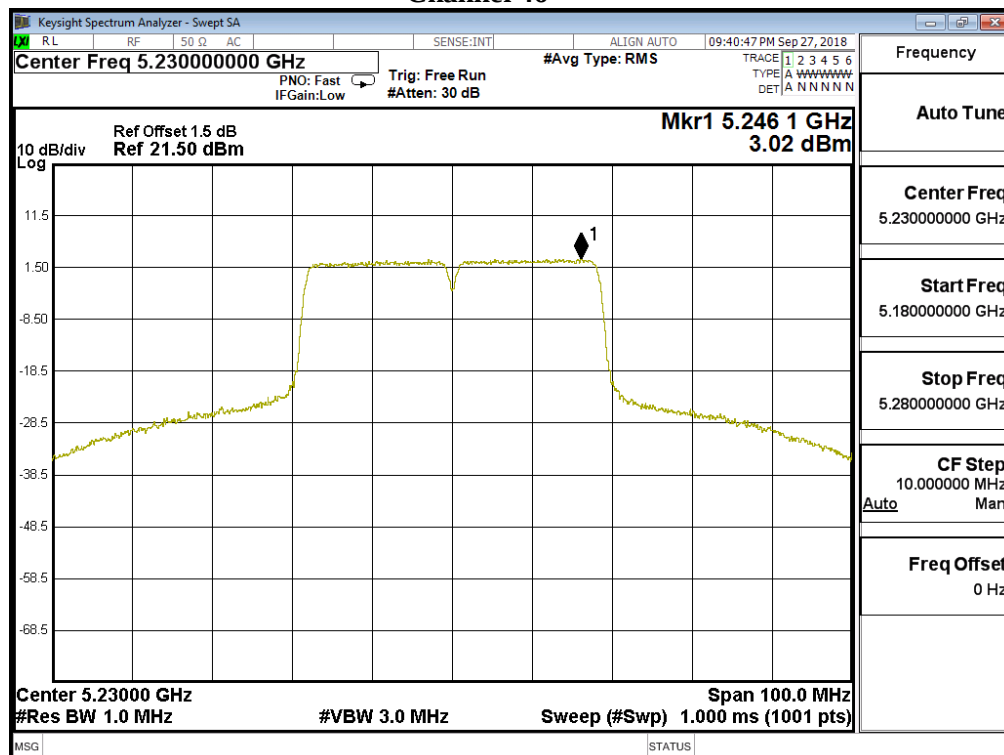
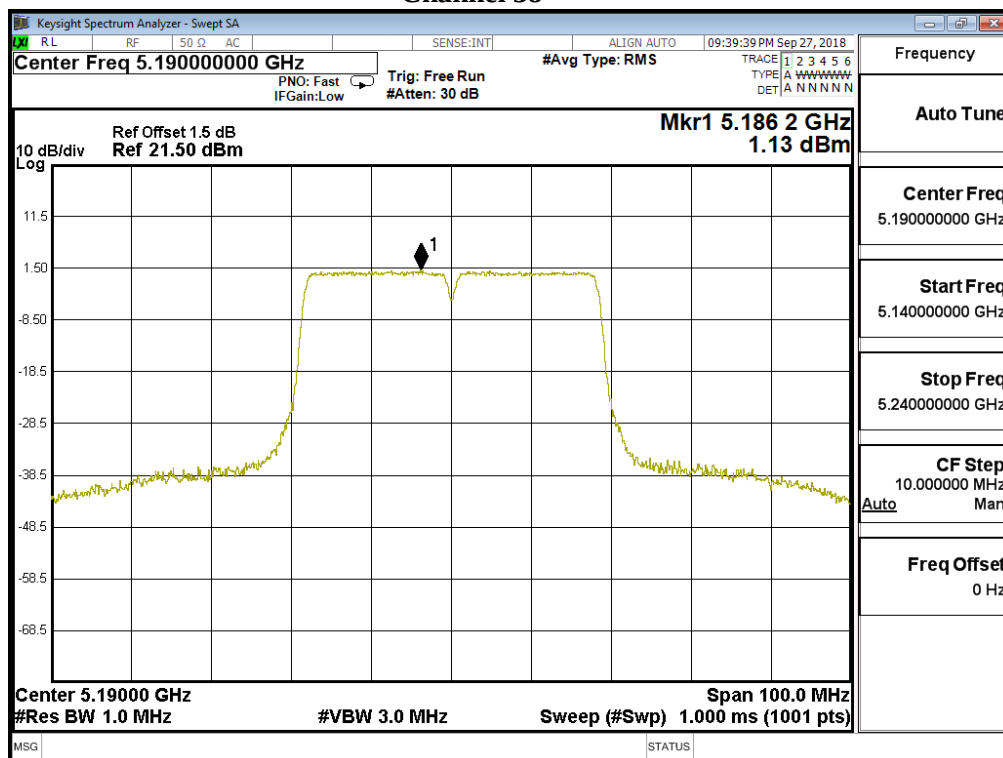
視頻頻寬：3MHz

環境溫度：21 °C

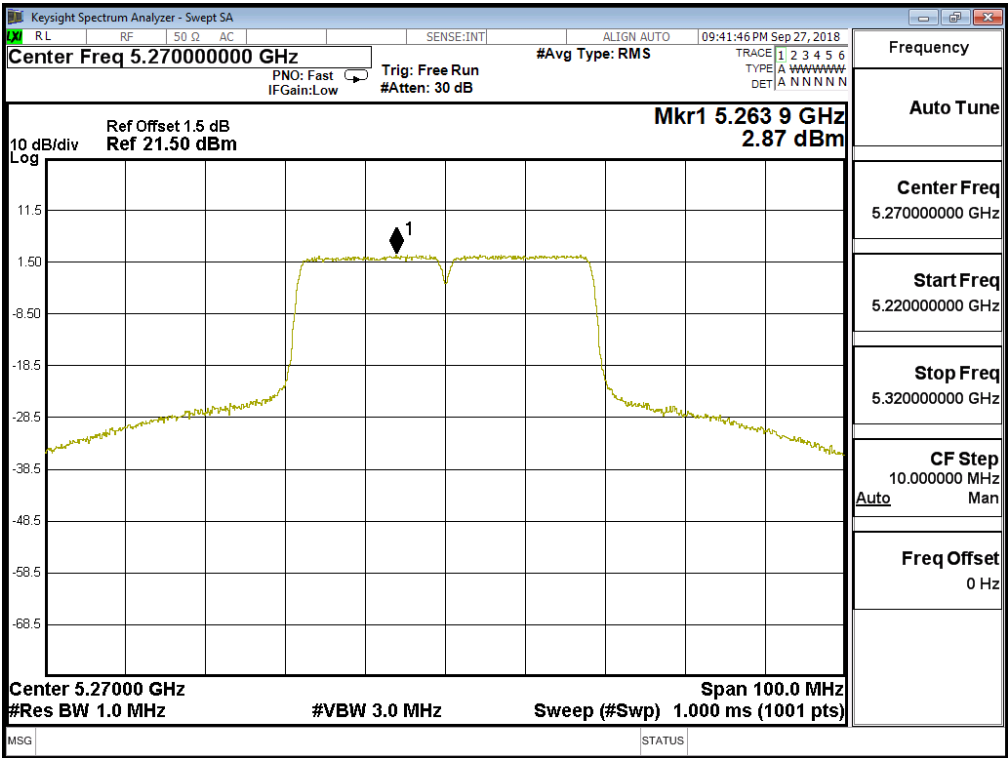
環境濕度：53 %

| Channel Number | Frequency (MHz) | PPSD (dBm) | Required Limit (dBm) | Result |
|----------------|-----------------|------------|----------------------|--------|
| 38             | 5190            | 1.130      | <11                  | Pass   |
| 46             | 5230            | 3.020      | <11                  | Pass   |
| 54             | 5270            | 2.870      | <11                  | Pass   |
| 62             | 5310            | -0.330     | <11                  | Pass   |
| 102            | 5510            | 0.520      | <11                  | Pass   |
| 110            | 5550            | 4.120      | <11                  | Pass   |
| 134            | 5670            | 2.770      | <11                  | Pass   |

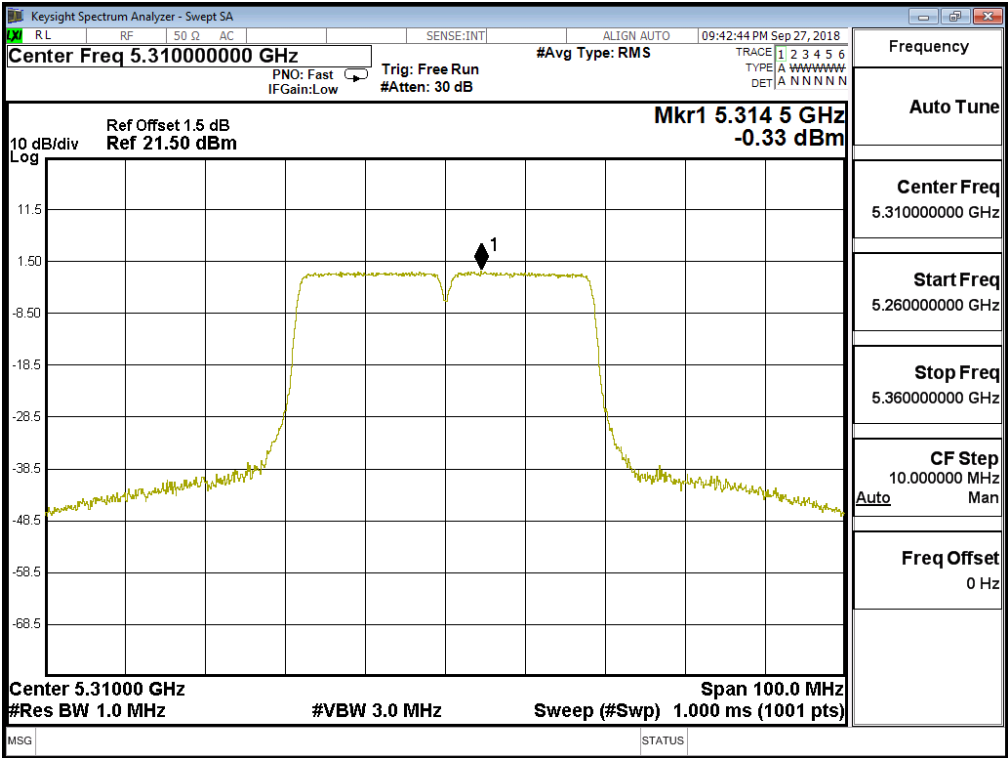
| Channel Number | Frequency (MHz) | PPSD (dBm) | BWCF (dB) | Total PSD (dBm) | Required Limit (dBm) | Result |
|----------------|-----------------|------------|-----------|-----------------|----------------------|--------|
| 142(U-NII-2C)  | 5710            | 3.930      | --        | 3.930           | <11                  | Pass   |
| 142(U-NII-3)   | 5710            | -5.290     | 6.980     | 1.690           | <30                  | Pass   |
| 151            | 5755            | -4.090     | 6.980     | 2.890           | <30                  | Pass   |
| 159            | 5795            | -3.910     | 6.980     | 3.070           | <30                  | Pass   |



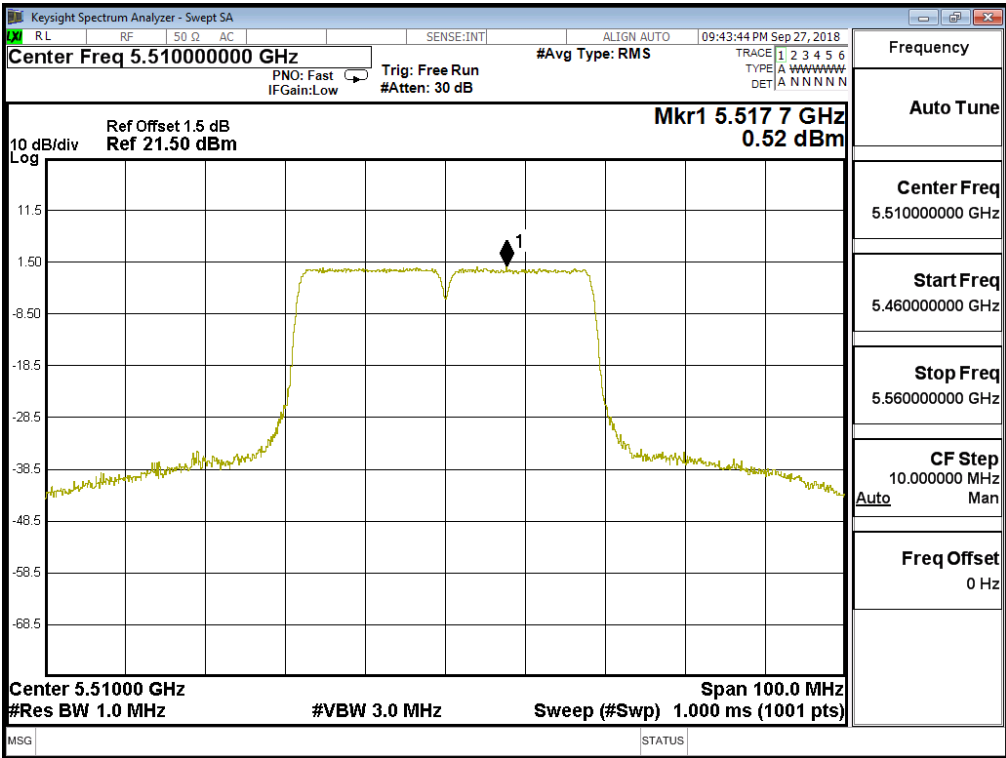
Channel 54



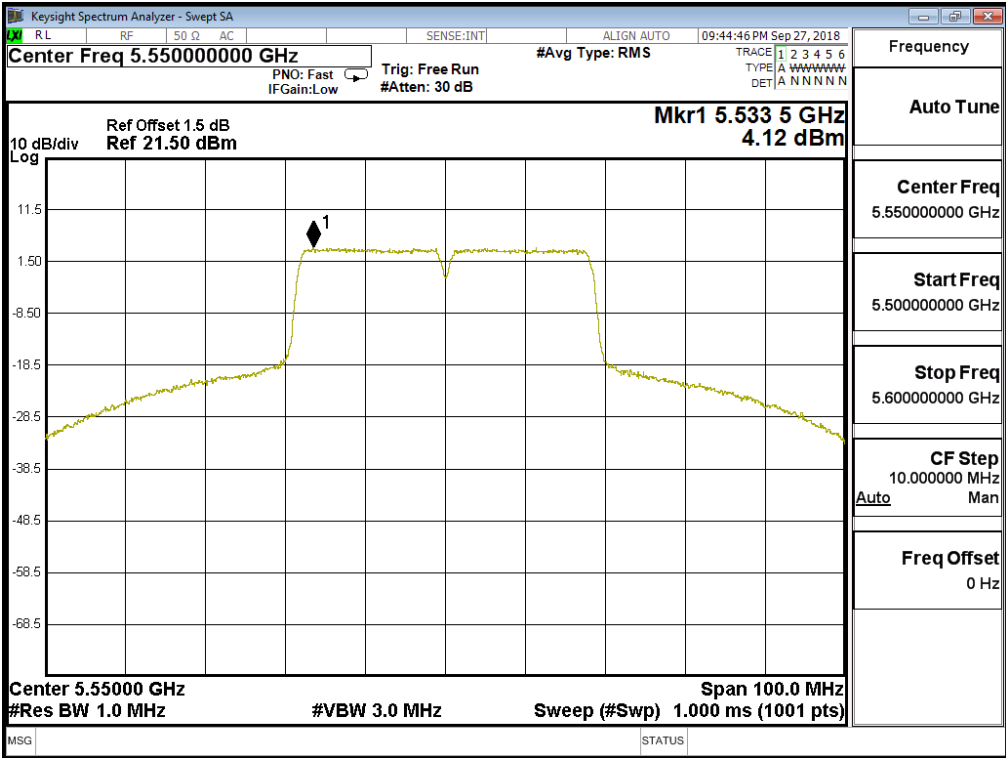
Channel 62



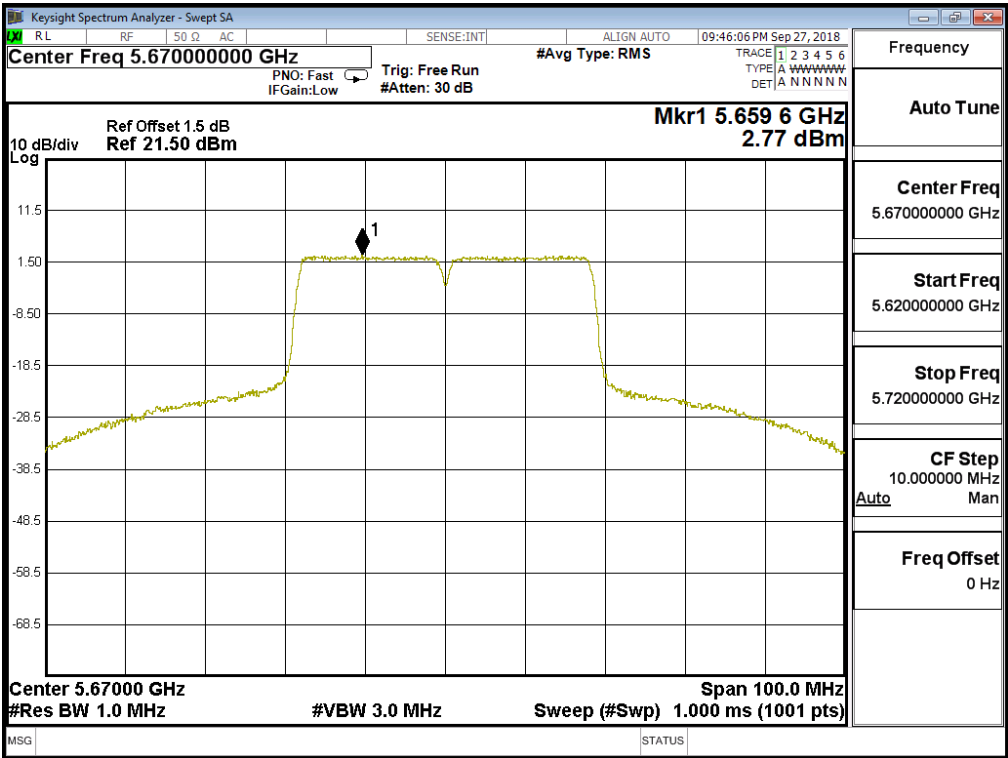
Channel 102



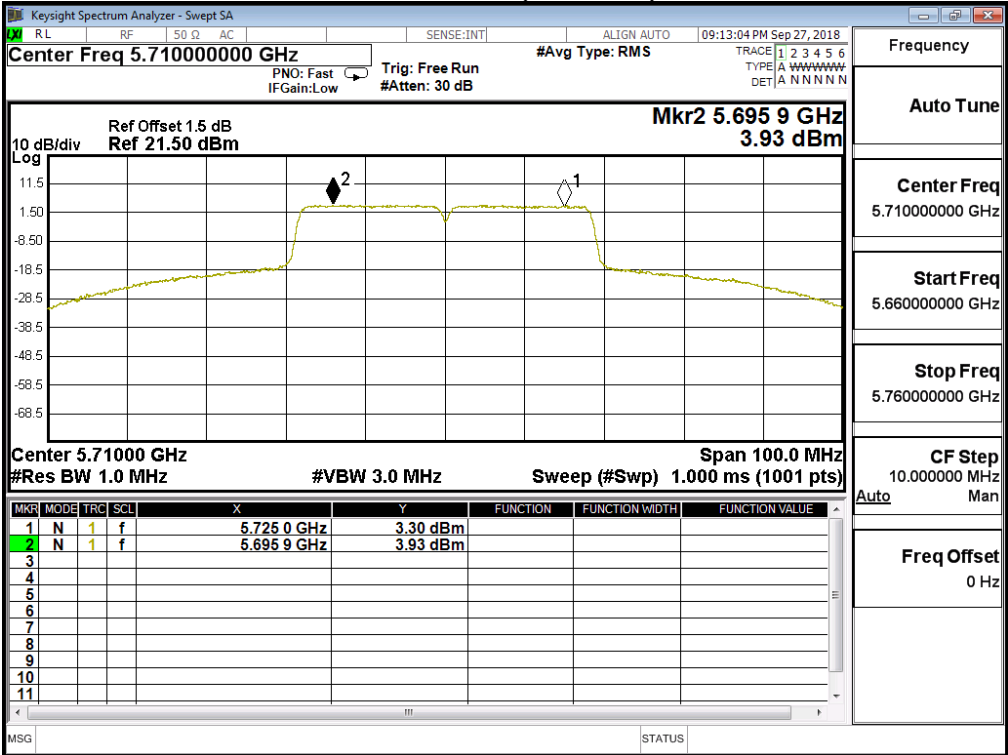
Channel 110



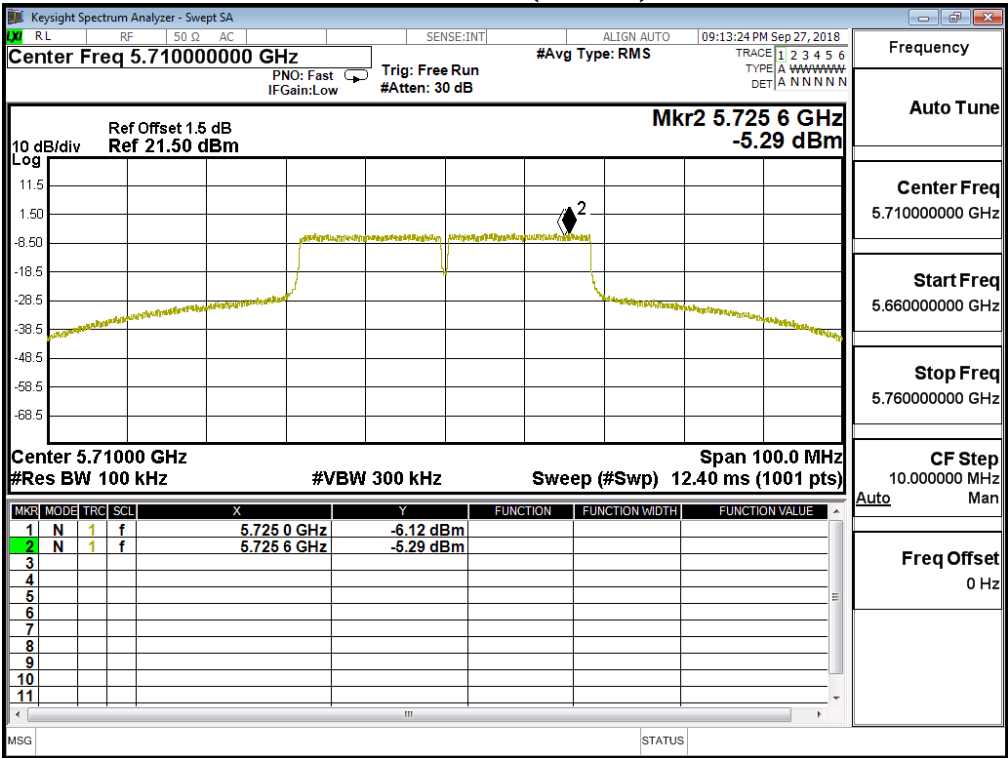
Channel 134



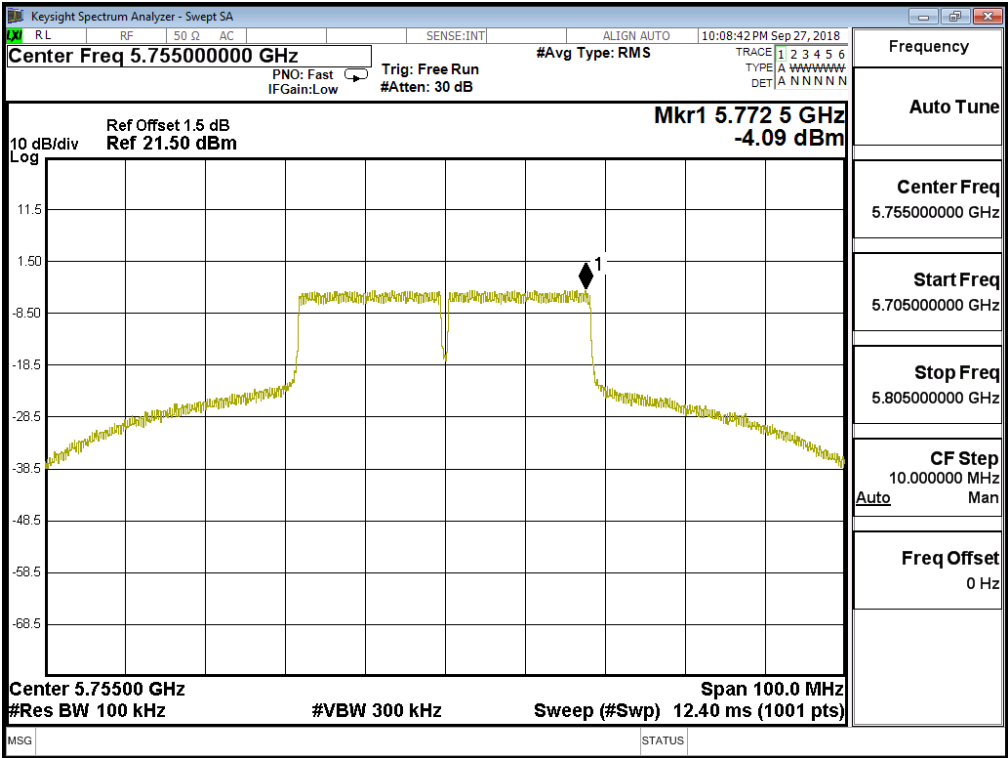
Channel 142(U-NII-2C)



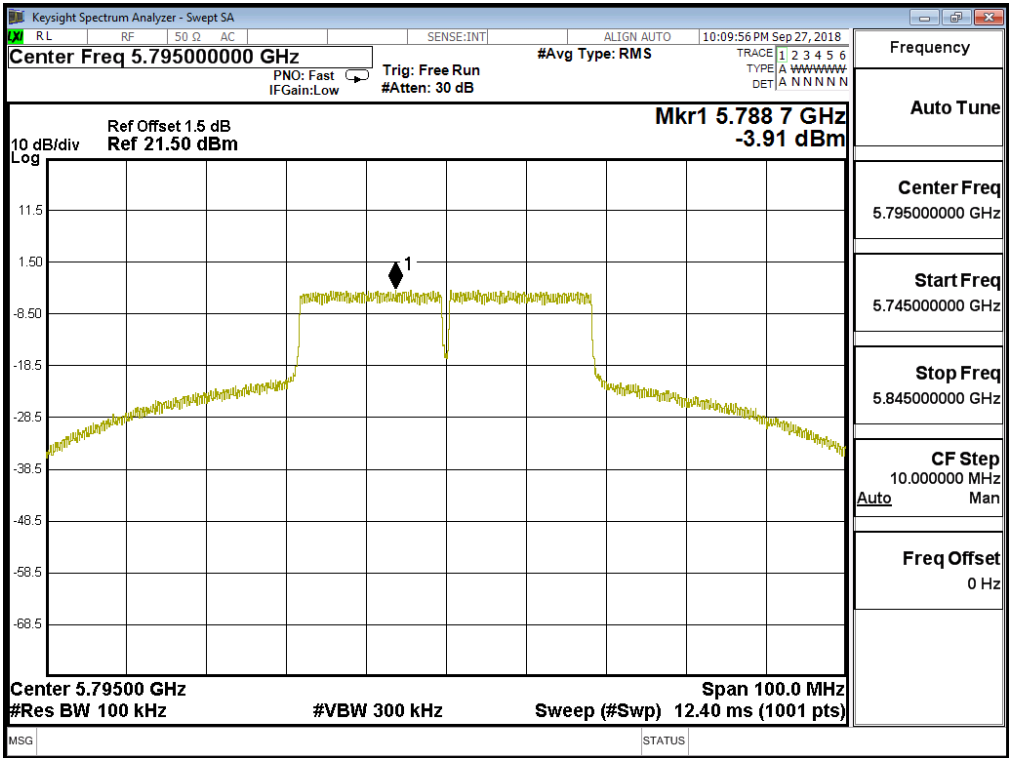
Channel 142(U-NII-3)



Channel 151



Channel 159



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201NGW

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：107 年 10 月 03 日

測試項目：峰值功率頻譜密度

測試模式：Mode 1: SISO A: 發射器 802.11ac-80BW

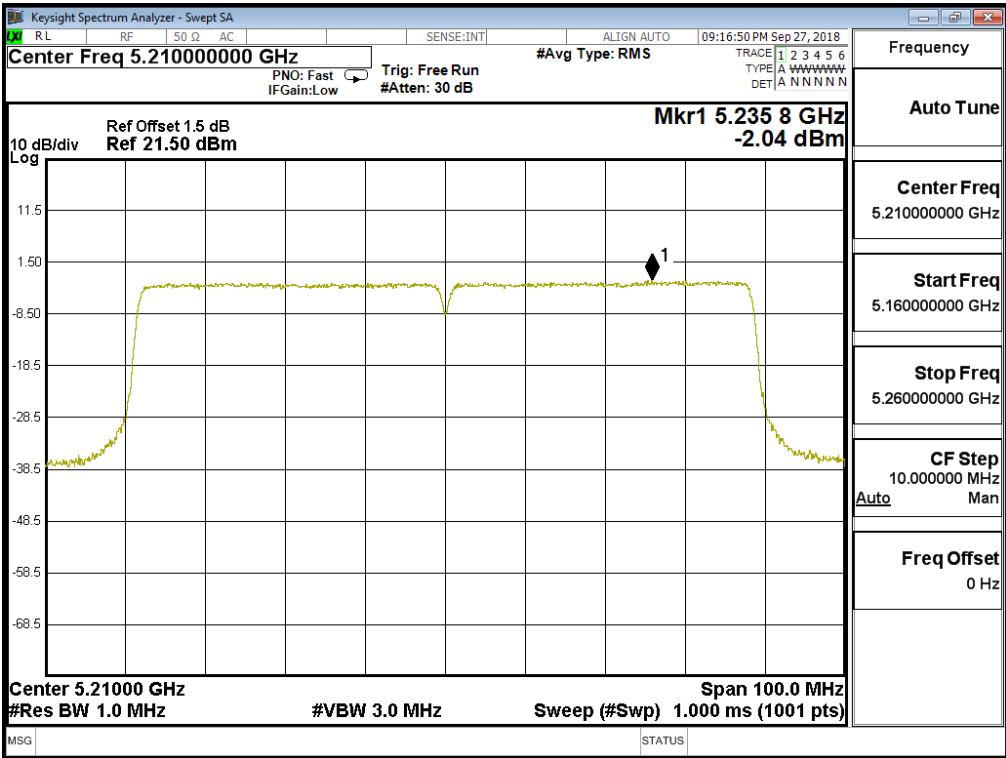
視頻頻寬：3MHz

環境溫度：21 °C

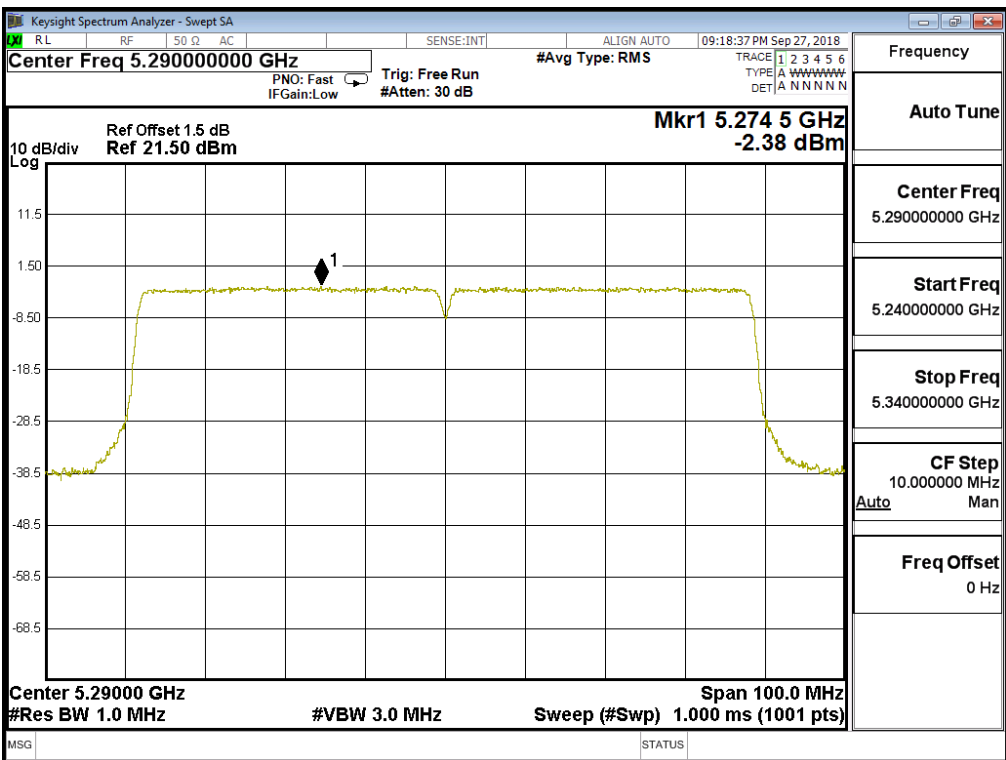
環境濕度：53 %

| Channel Number | Frequency (MHz) | PPSD (dBm) | BWCF (dB) | Total PSD (dBm) | Required Limit (dBm) | Result |
|----------------|-----------------|------------|-----------|-----------------|----------------------|--------|
| 42             | 5210            | -2.040     | --        | -2.040          | <11                  | Pass   |
| 58             | 5290            | -2.380     | --        | -2.380          | <11                  | Pass   |
| 106            | 5530            | -2.690     | --        | -2.690          | <11                  | Pass   |
| 122            | 5610            | 0.720      | --        | 0.720           | <11                  | Pass   |
| 138(U-NII-2C)  | 5690            | 0.690      | --        | 0.690           | <11                  | Pass   |
| 138(U-NII-3)   | 5690            | -8.570     | 6.98      | -8.570          | <30                  | Pass   |
| 155            | 5775            | -10.220    | 6.98      | -10.220         | <30                  | Pass   |

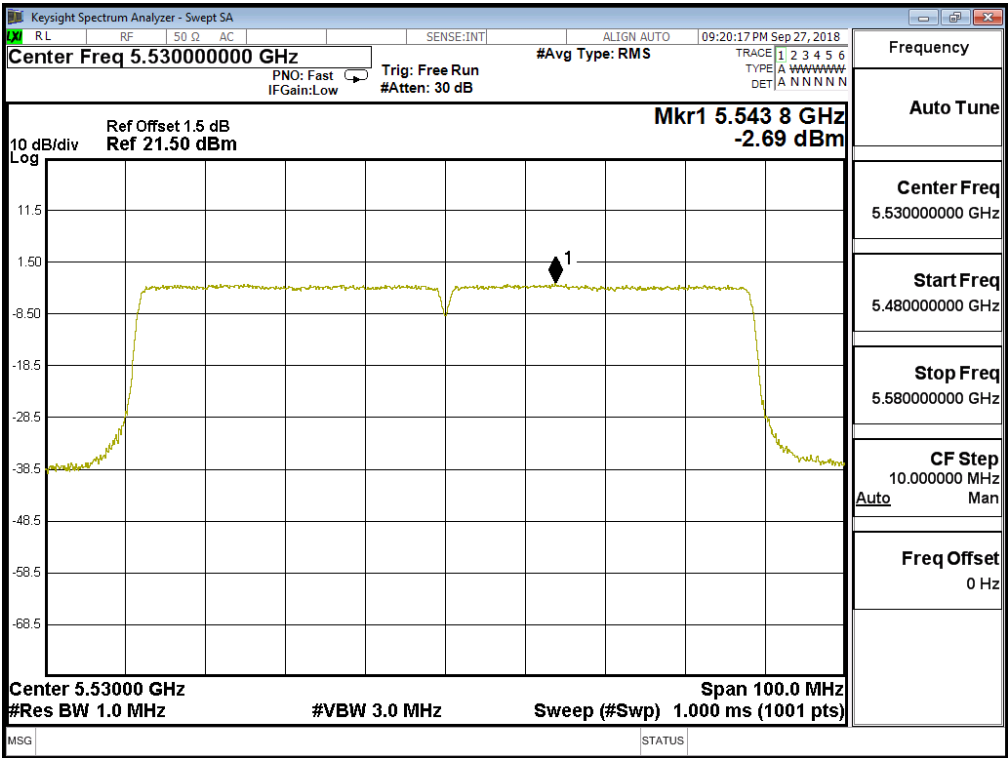
Channel 42



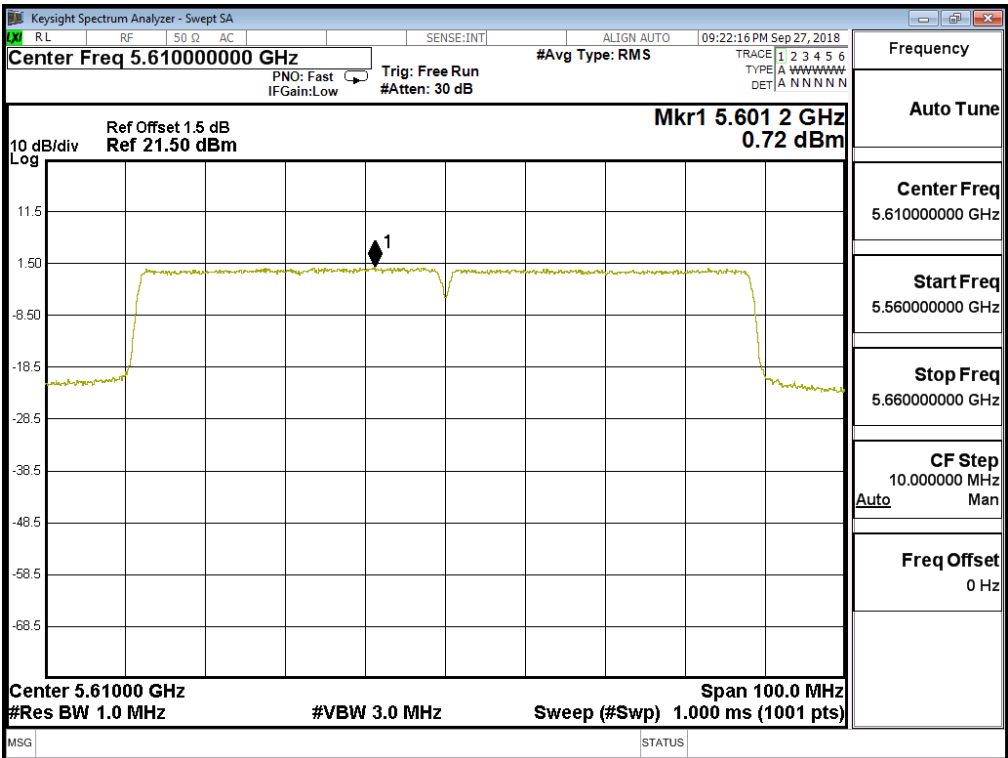
Channel 58



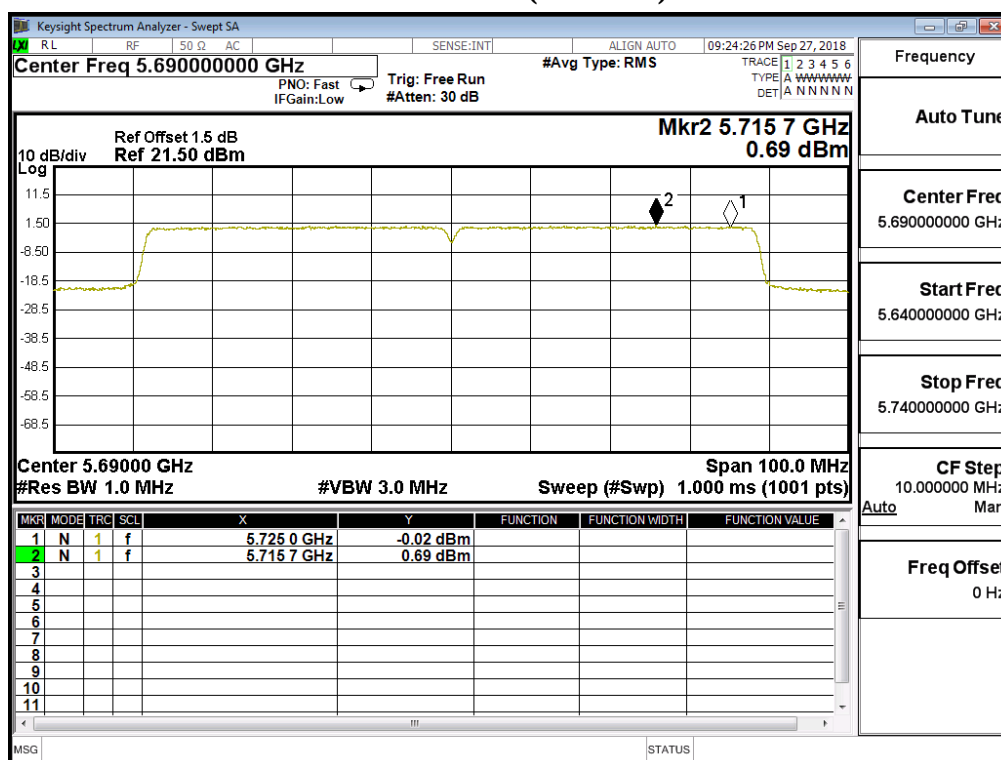
Channel 106



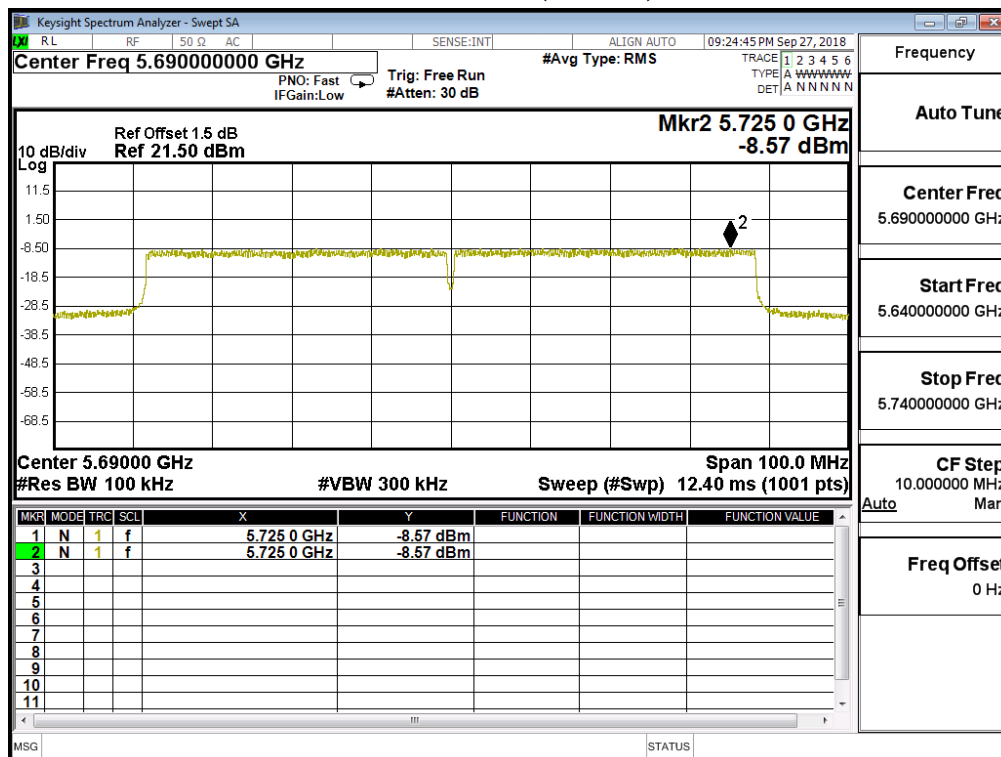
Channel 122



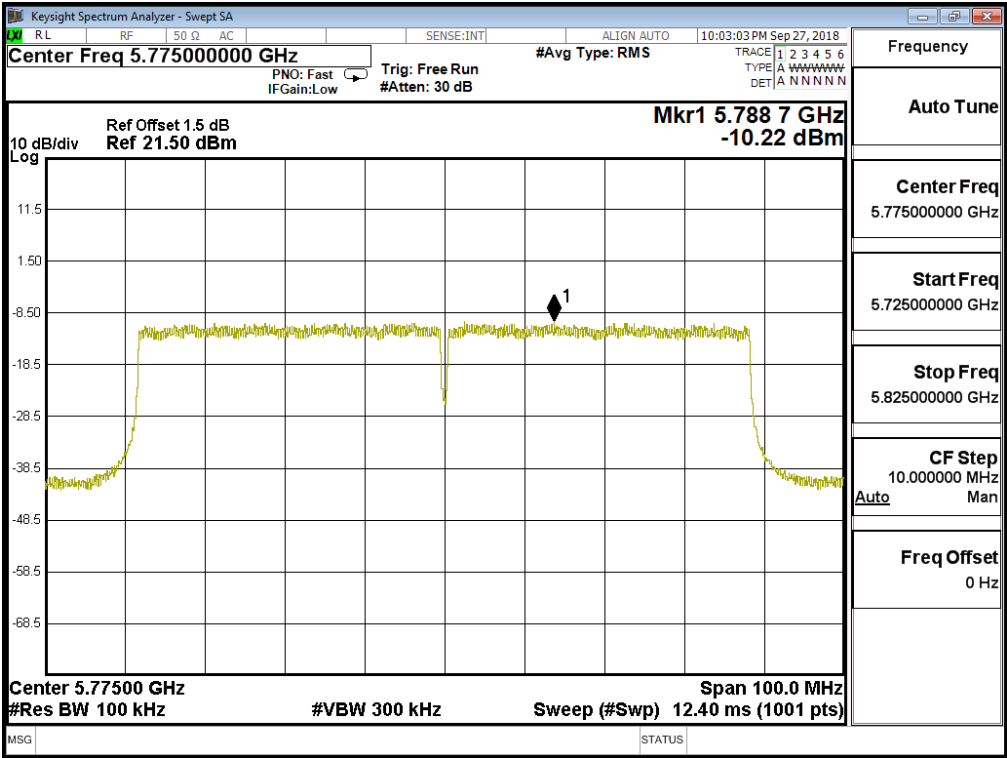
## Channel 138 (U-NII-2C)



## Channel 138 (U-NII-3)



Channel 155



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201NGW

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：107 年 10 月 03 日

測試項目：峰值功率頻譜密度

測試模式：Mode 1: SISO A: 發射器 802.11ac-160BW

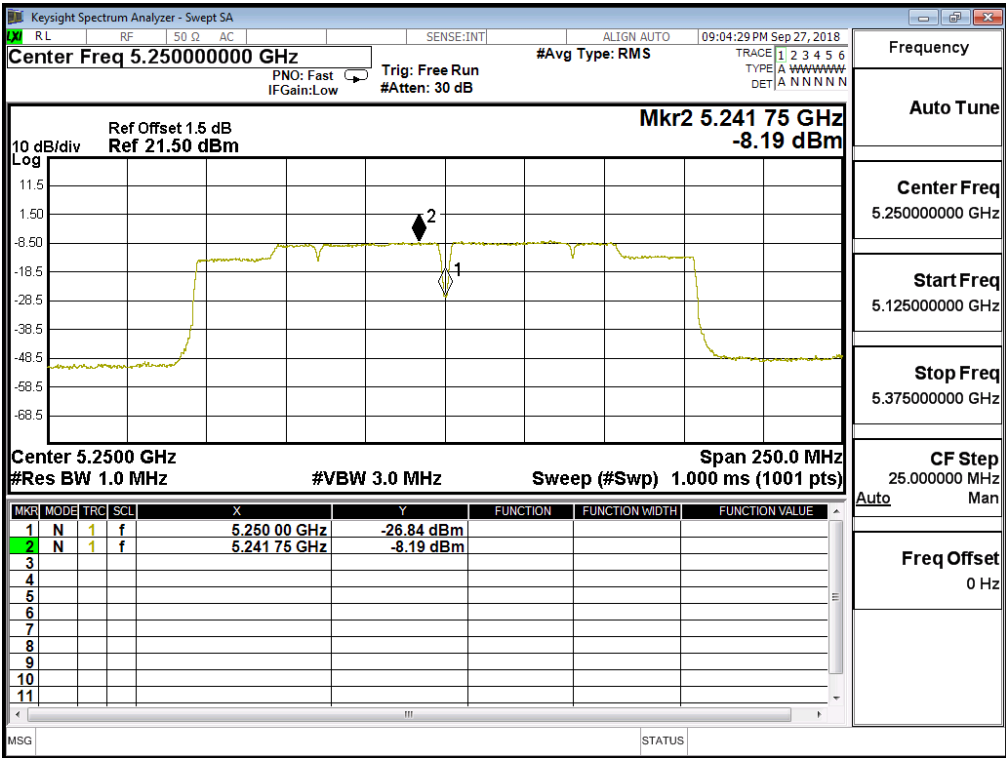
視頻頻寬：3MHz

環境溫度：21 °C

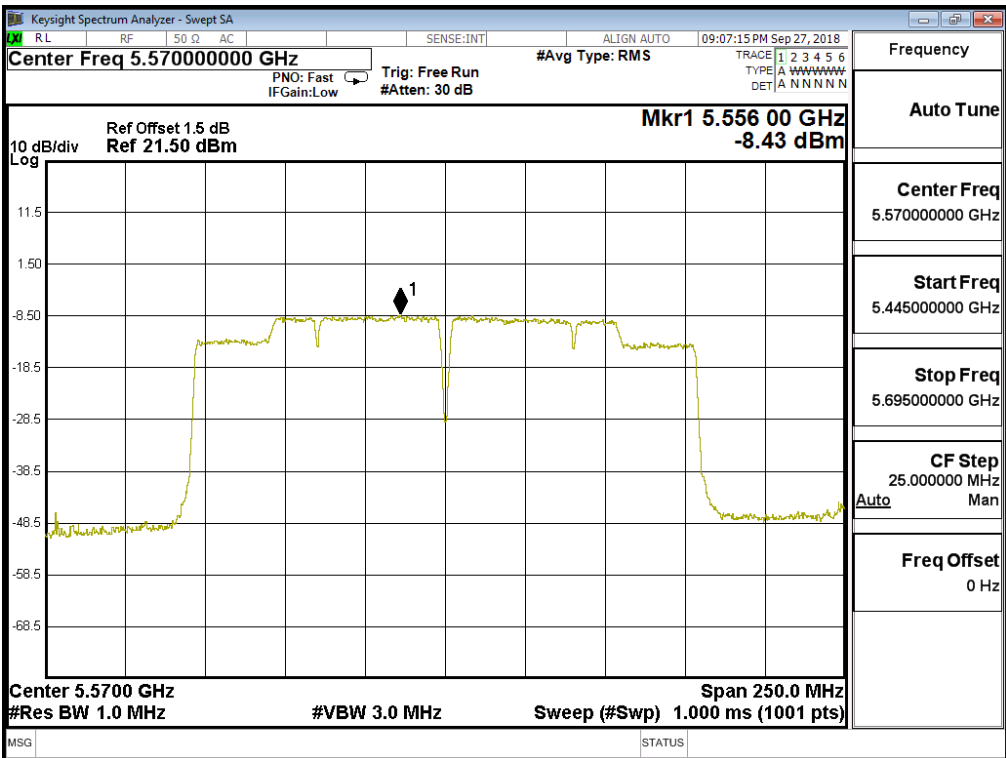
環境濕度：53 %

| Channel Number | Frequency (MHz) | PPSD (dBm) | Required Limit (dBm) | Result |
|----------------|-----------------|------------|----------------------|--------|
| 50             | 5250            | -8.190     | <11                  | Pass   |
| 114            | 5570            | -8.430     | <11                  | Pass   |

Channel 50



Channel 114



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201NGW

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：107 年 10 月 03 日

測試項目：峰值功率頻譜密度

測試模式：Mode 2: SISO B: 發射器 802.11a

視頻頻寬：3MHz

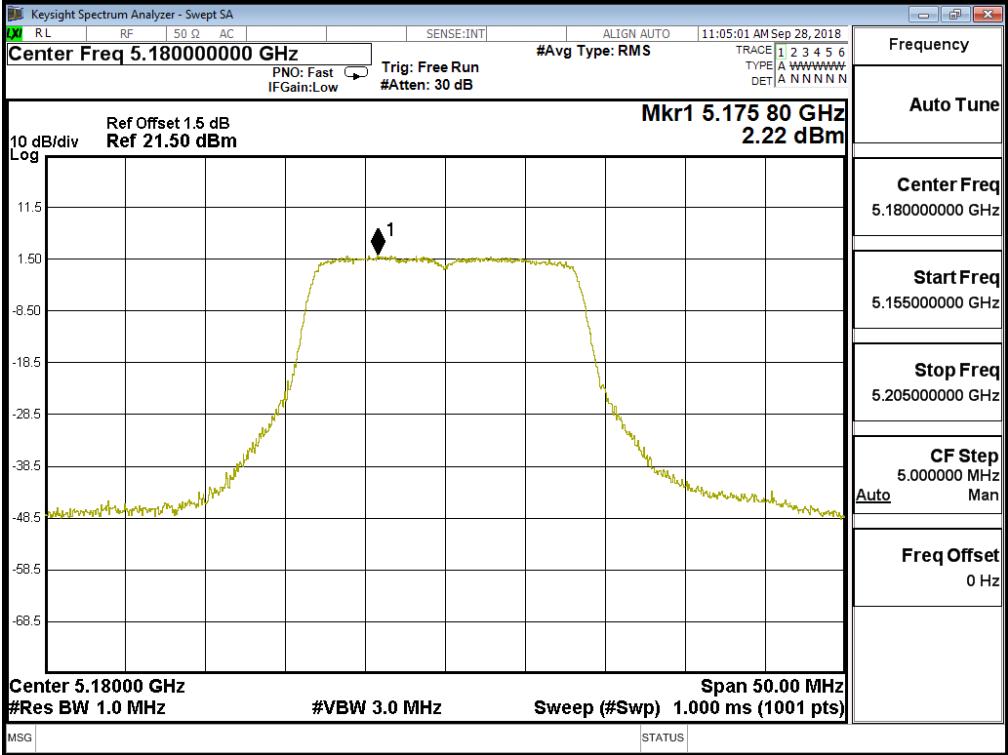
環境溫度：21 °C

環境濕度：53 %

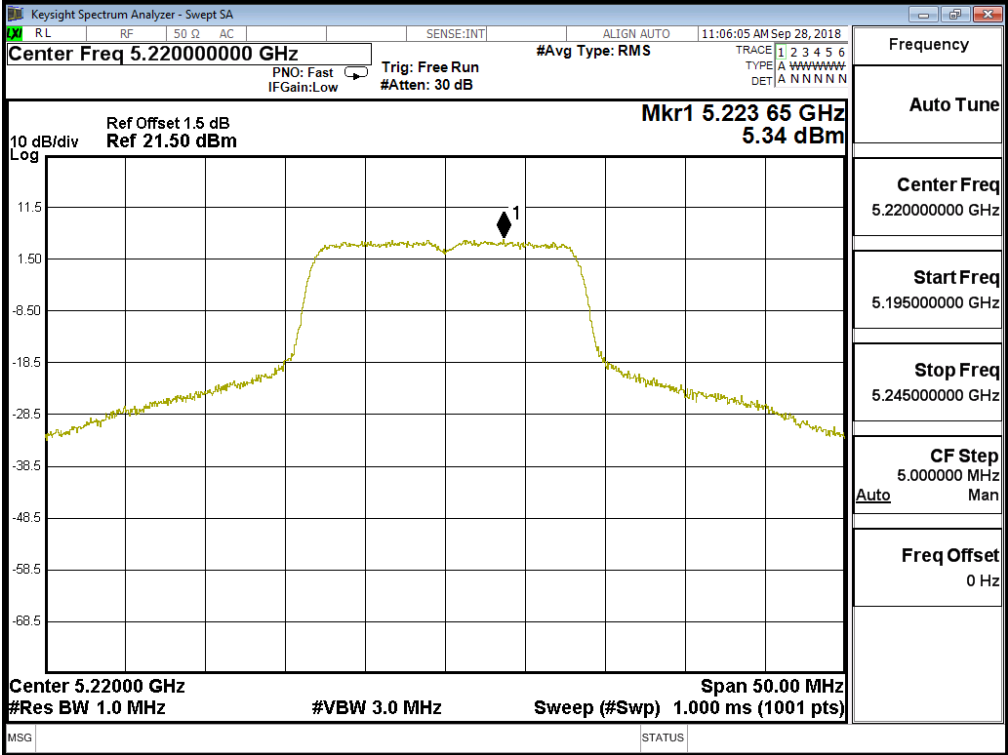
| Channel Number | Frequency (MHz) | PPSD (dBm) | Required Limit (dBm) | Result |
|----------------|-----------------|------------|----------------------|--------|
| 36             | 5180            | 2.220      | <11                  | Pass   |
| 44             | 5220            | 5.340      | <11                  | Pass   |
| 48             | 5240            | 4.050      | <11                  | Pass   |
| 52             | 5260            | 4.720      | <11                  | Pass   |
| 60             | 5300            | 3.710      | <11                  | Pass   |
| 64             | 5320            | 0.270      | <11                  | Pass   |
| 100            | 5500            | 1.020      | <11                  | Pass   |
| 116            | 5580            | 4.830      | <11                  | Pass   |
| 140            | 5700            | 0.710      | <11                  | Pass   |

| Channel Number | Frequency (MHz) | PPSD (dBm) | BWCF (dB) | Total PSD (dBm) | Required Limit (dBm) | Result |
|----------------|-----------------|------------|-----------|-----------------|----------------------|--------|
| 149            | 5745            | -3.160     | 6.980     | 3.820           | <30                  | Pass   |
| 157            | 5785            | -3.470     | 6.980     | 3.510           | <30                  | Pass   |
| 165            | 5825            | -2.650     | 6.980     | 4.330           | <30                  | Pass   |

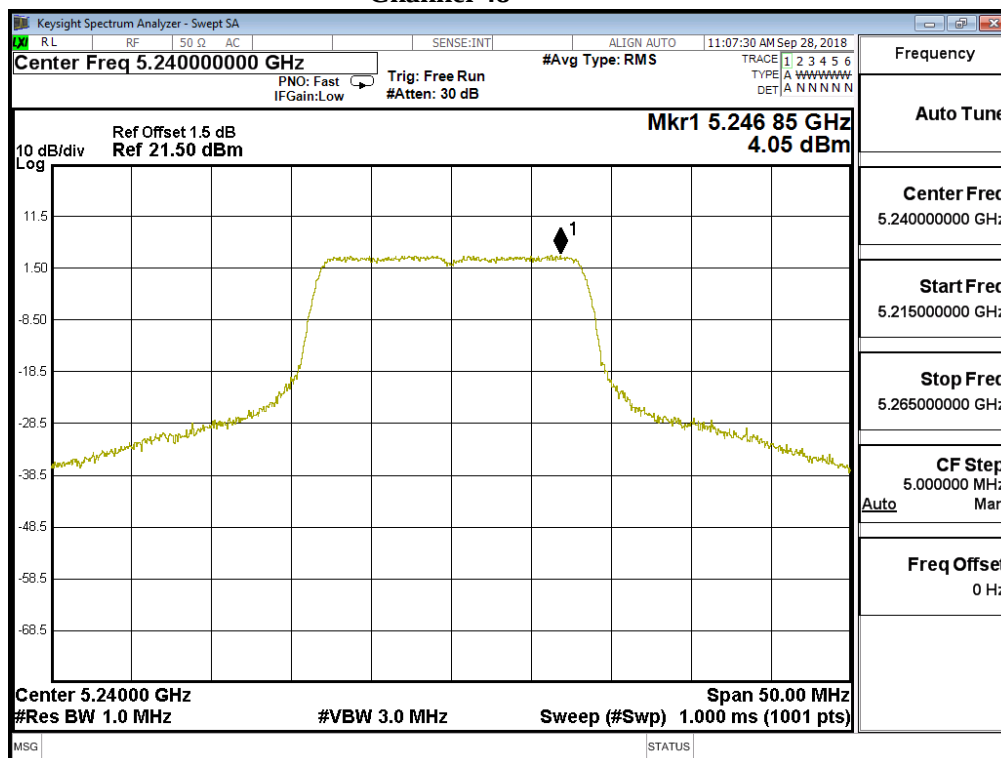
Channel 36



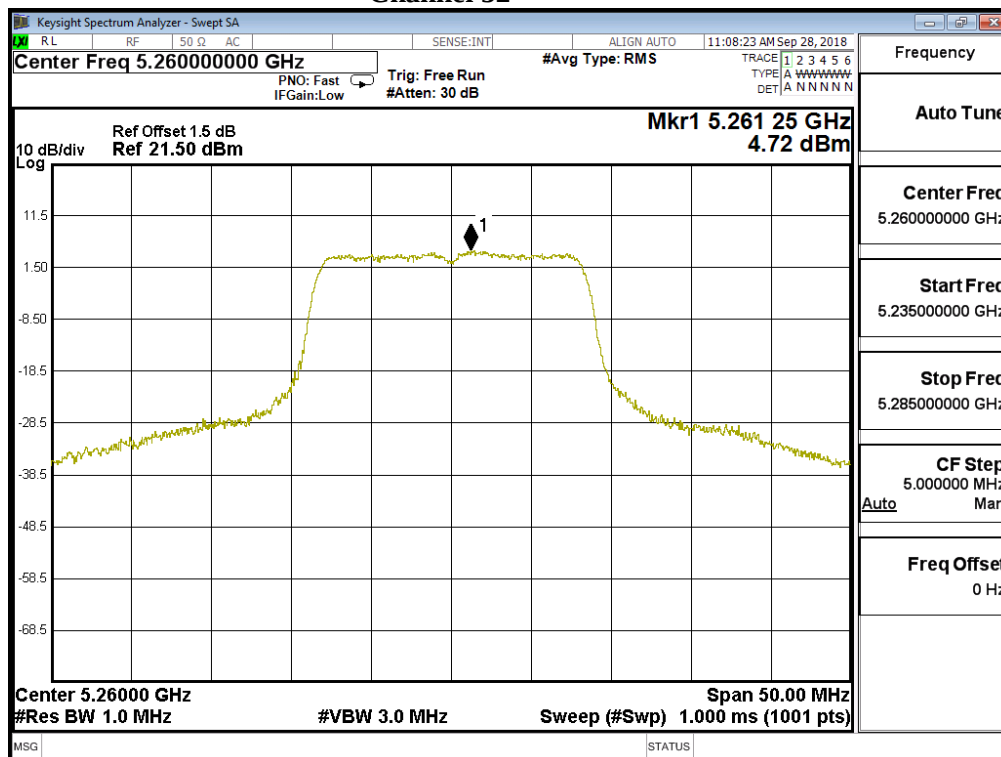
Channel 44



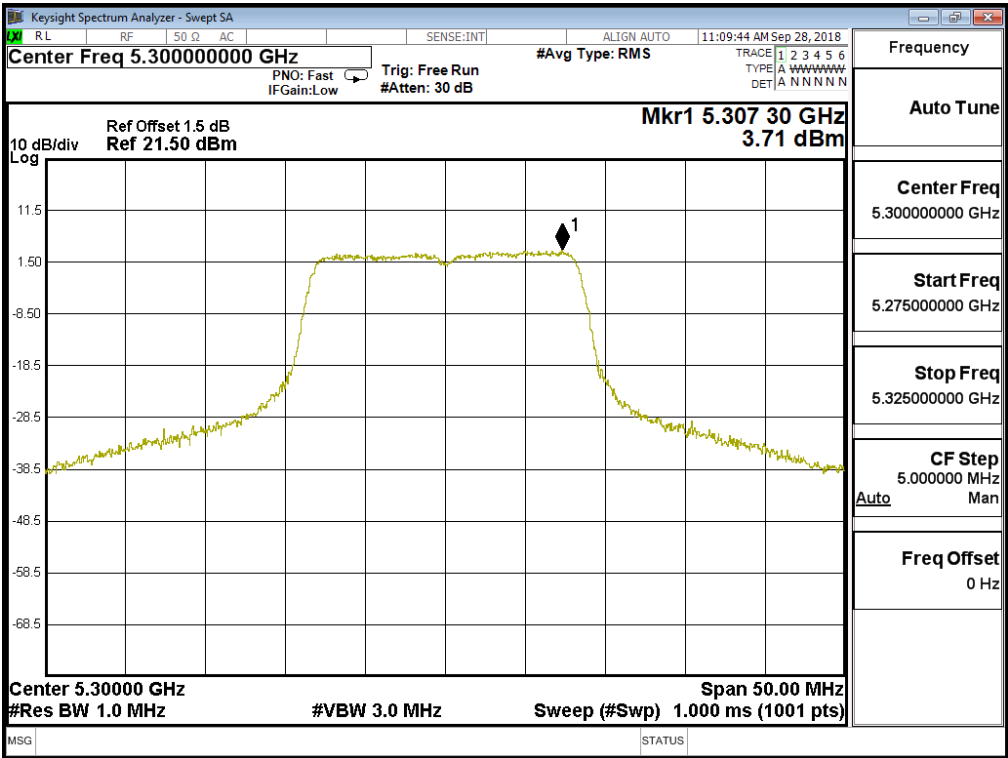
## Channel 48



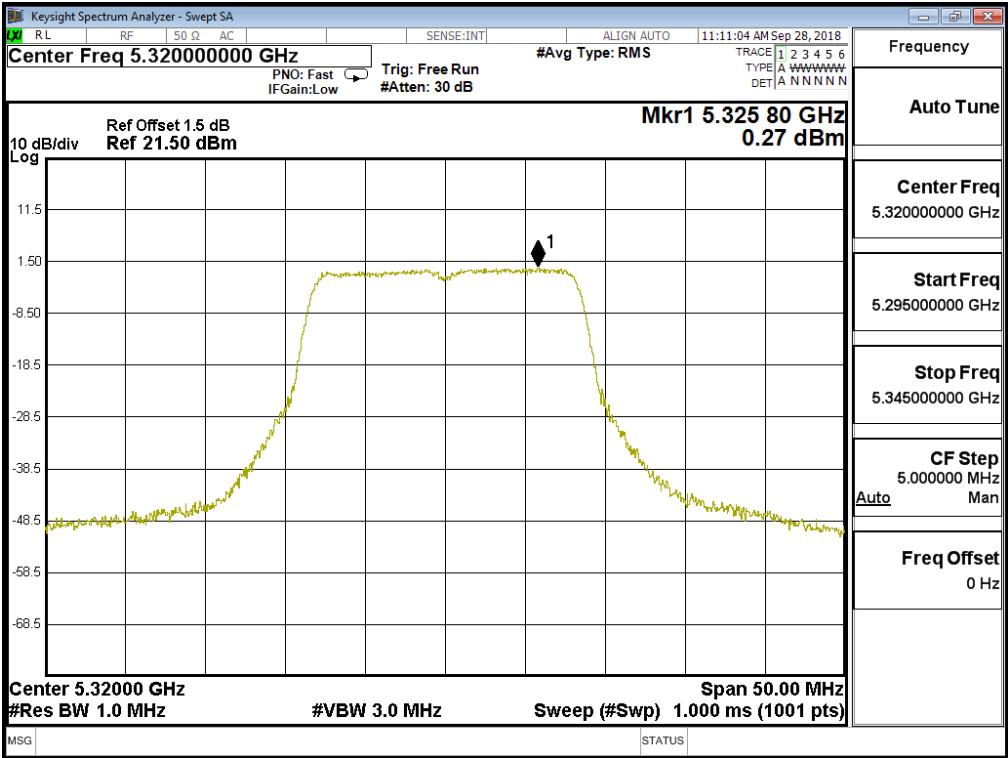
## Channel 52



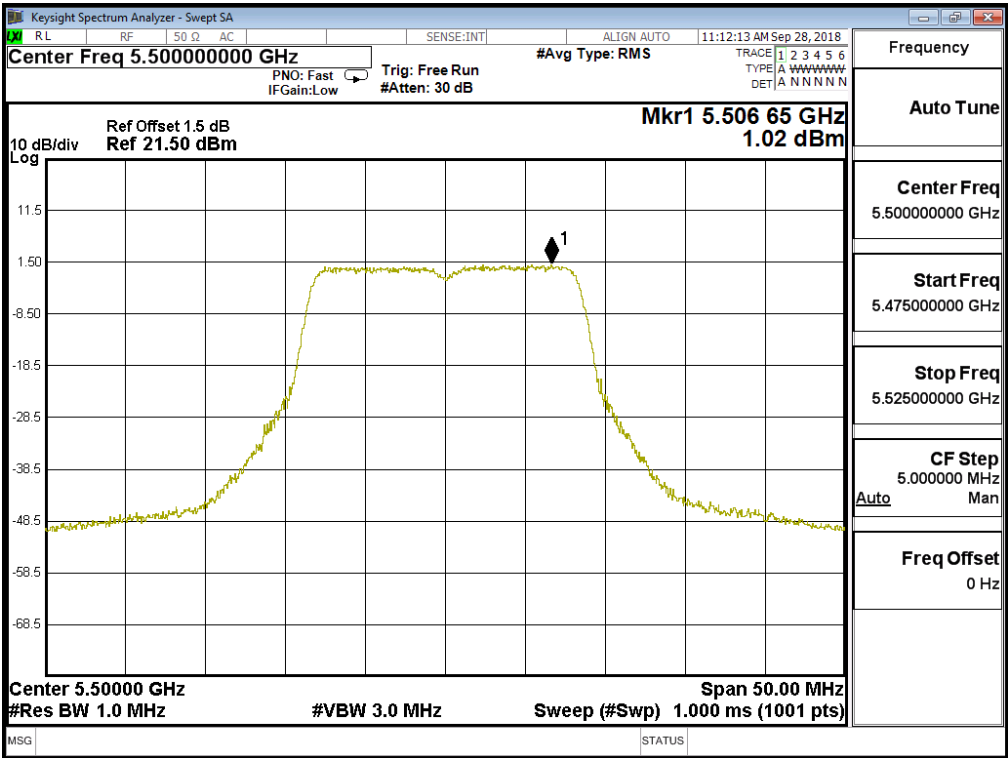
Channel 60



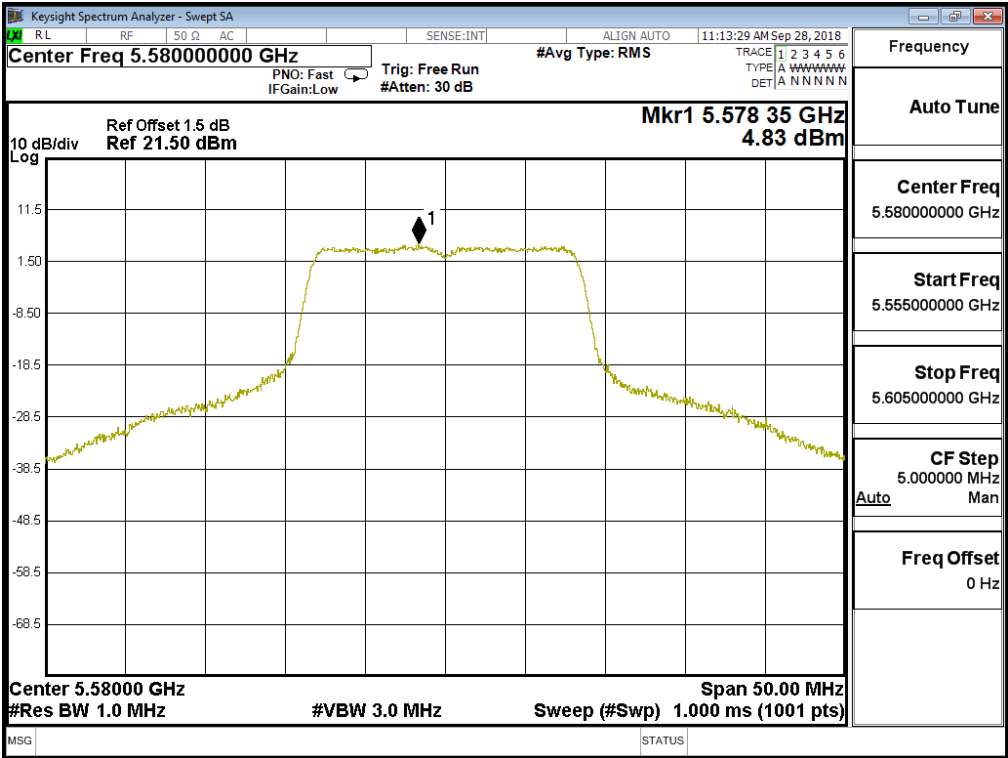
Channel 64



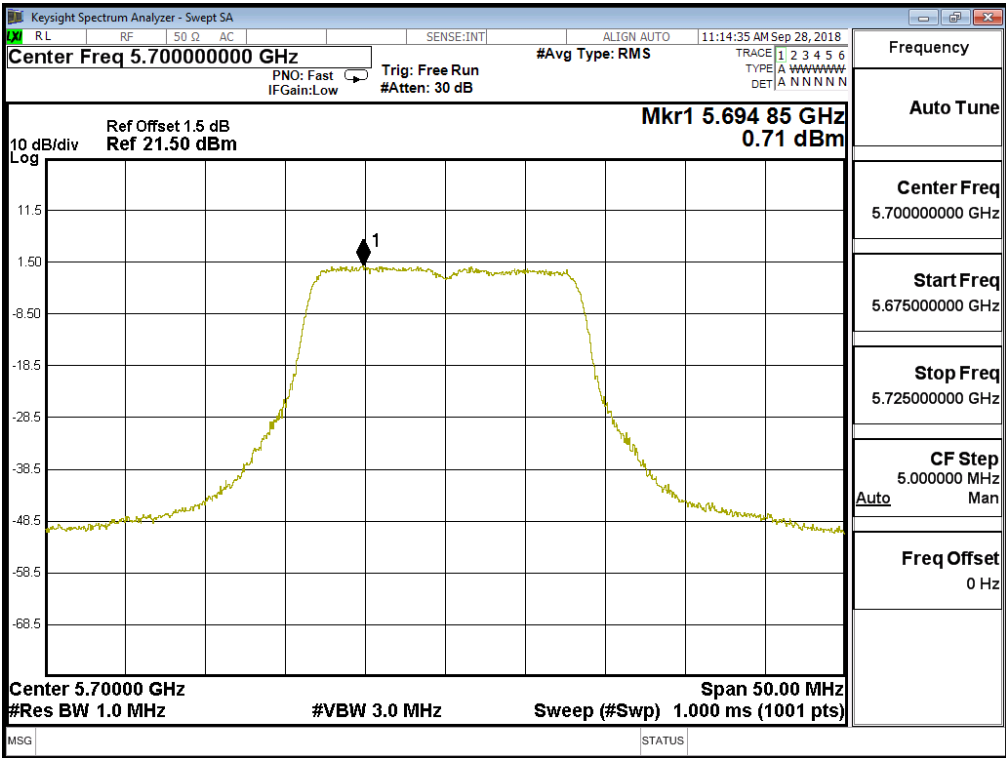
Channel 100



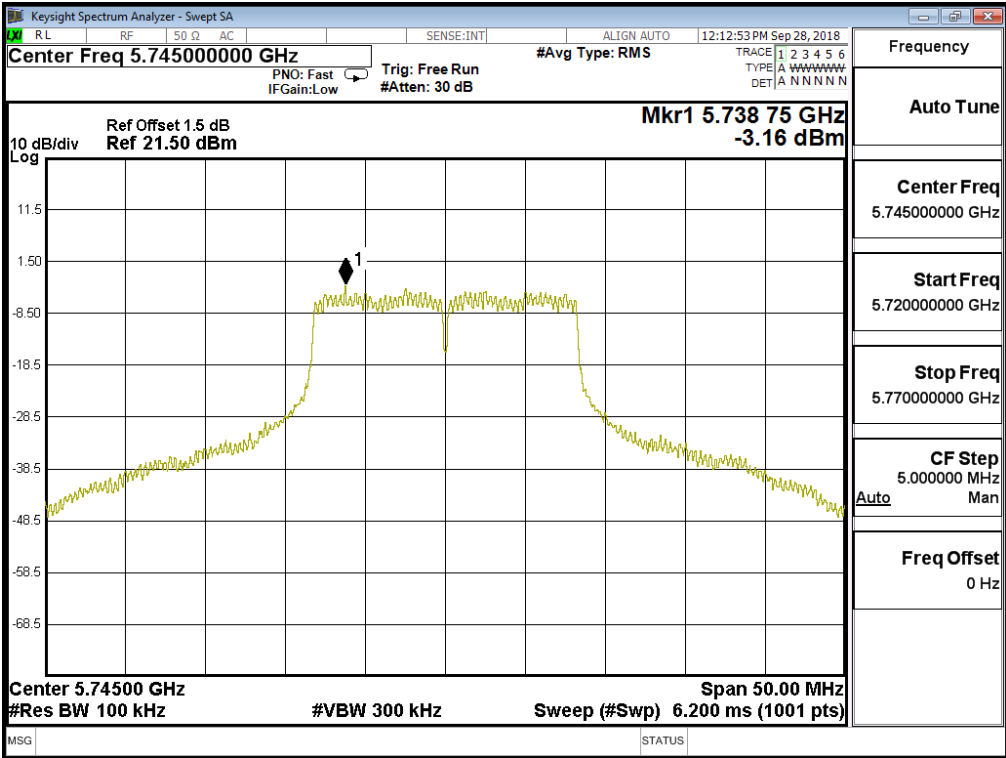
Channel 116



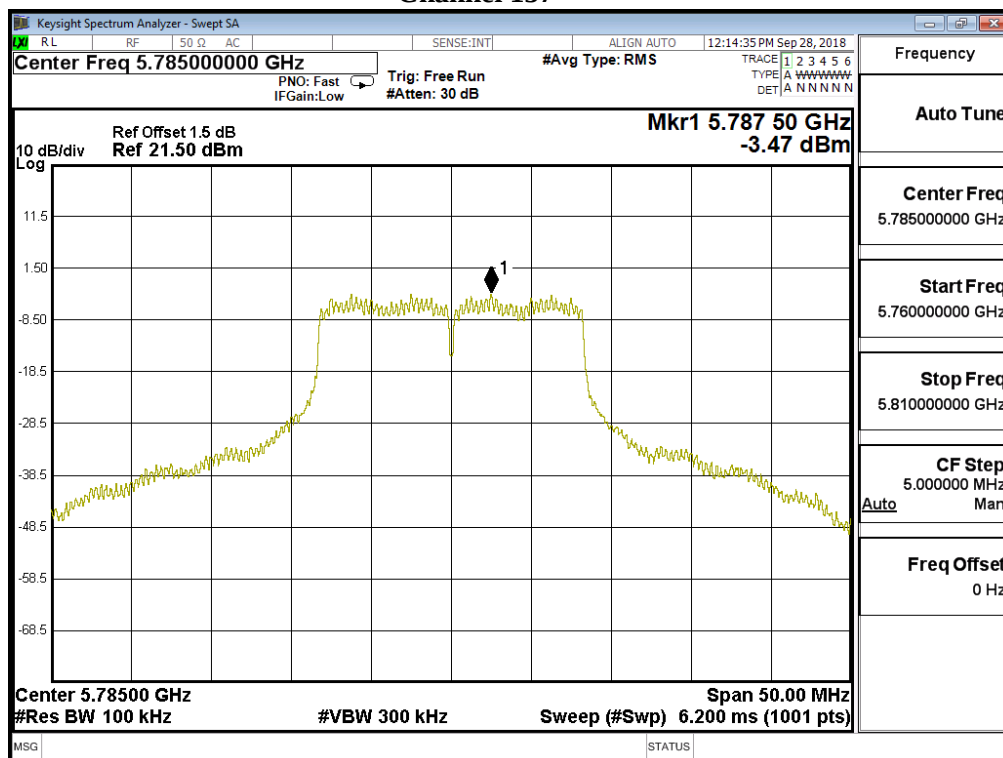
Channel 140



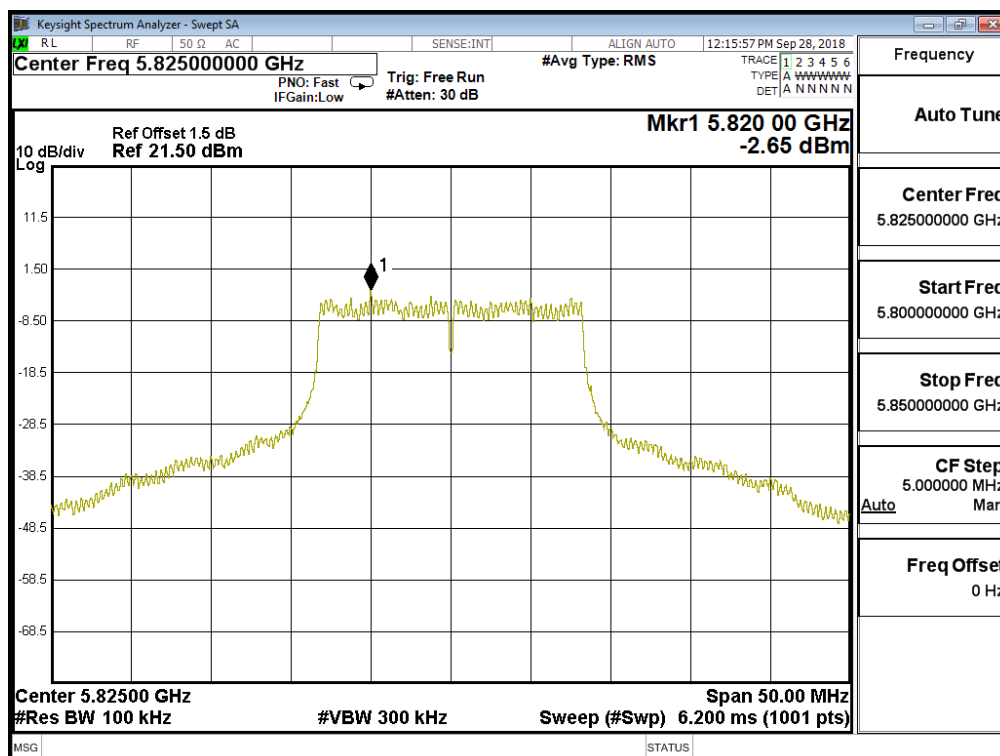
Channel 149



Channel 157



Channel 165



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201NGW

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：107 年 10 月 03 日

測試項目：峰值功率頻譜密度

測試模式：Mode 2: SISO B: 發射器 802.11n-20BW

視頻頻寬：3MHz

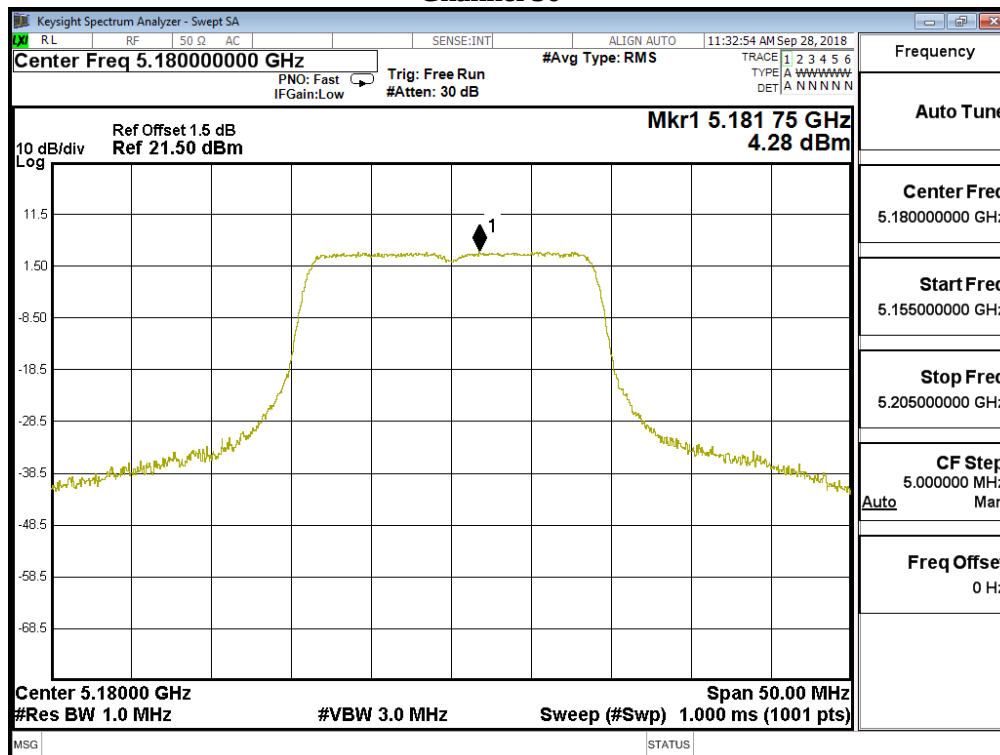
環境溫度：21 °C

環境濕度：53 %

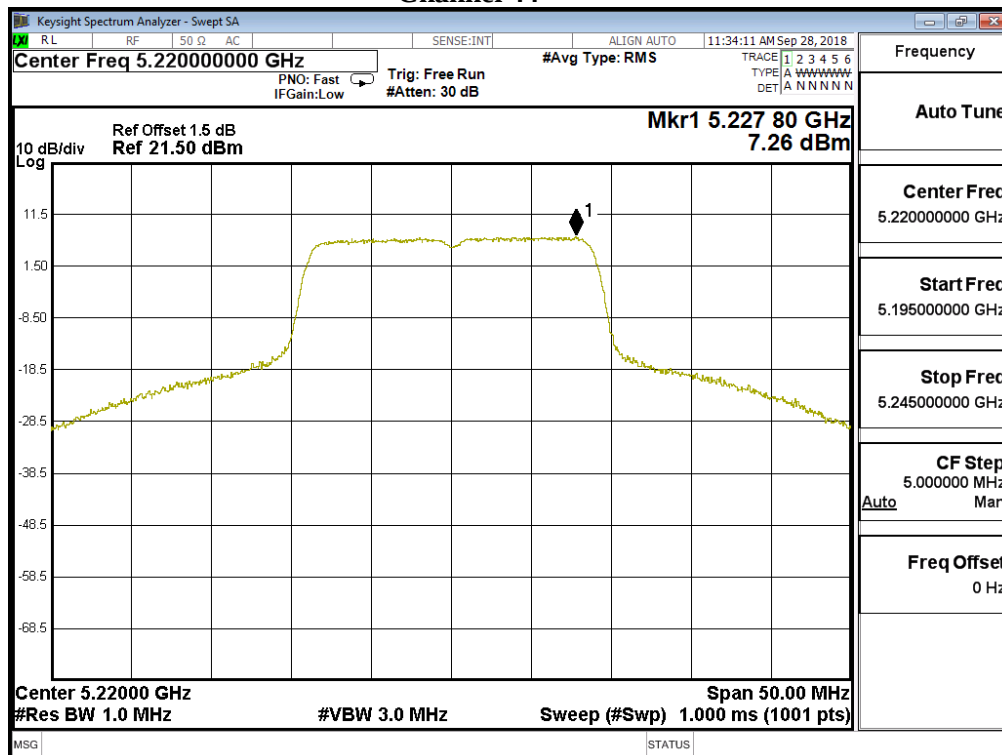
| Channel Number | Frequency (MHz) | PPSD (dBm) | Required Limit (dBm) | Result |
|----------------|-----------------|------------|----------------------|--------|
| 36             | 5180            | 4.280      | <11                  | Pass   |
| 44             | 5220            | 7.260      | <11                  | Pass   |
| 48             | 5240            | 6.400      | <11                  | Pass   |
| 52             | 5260            | 6.540      | <11                  | Pass   |
| 60             | 5300            | 6.070      | <11                  | Pass   |
| 64             | 5320            | 2.490      | <11                  | Pass   |
| 100            | 5500            | 3.190      | <11                  | Pass   |
| 116            | 5580            | 6.840      | <11                  | Pass   |
| 140            | 5700            | 2.850      | <11                  | Pass   |

| Channel Number | Frequency (MHz) | PPSD (dBm) | BWCF (dB) | Total PSD (dBm) | Required Limit (dBm) | Result |
|----------------|-----------------|------------|-----------|-----------------|----------------------|--------|
| 144(U-NII-2C)  | 5720            | 6.690      | --        | 6.690           | <11                  | Pass   |
| 144(U-NII-3)   | 5720            | -2.250     | 6.980     | 4.730           | <30                  | Pass   |
| 149            | 5745            | -1.980     | 6.980     | 5.000           | <30                  | Pass   |
| 157            | 5785            | -2.340     | 6.980     | 4.640           | <30                  | Pass   |
| 165            | 5825            | -2.100     | 6.980     | 4.880           | <30                  | Pass   |

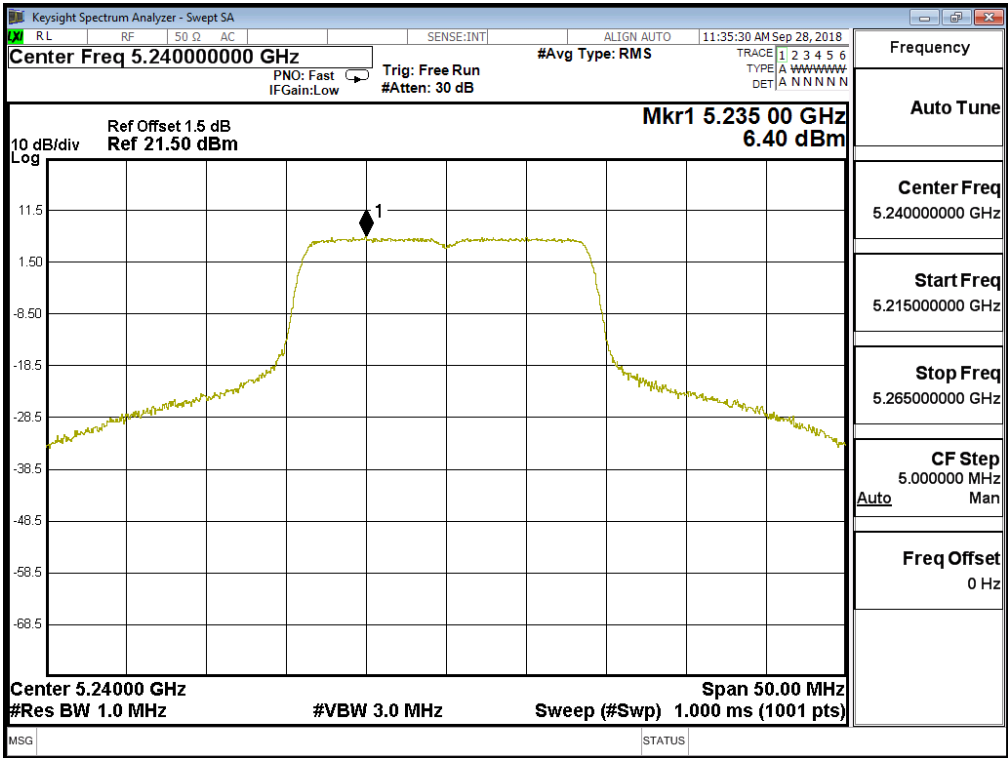
## Channel 36



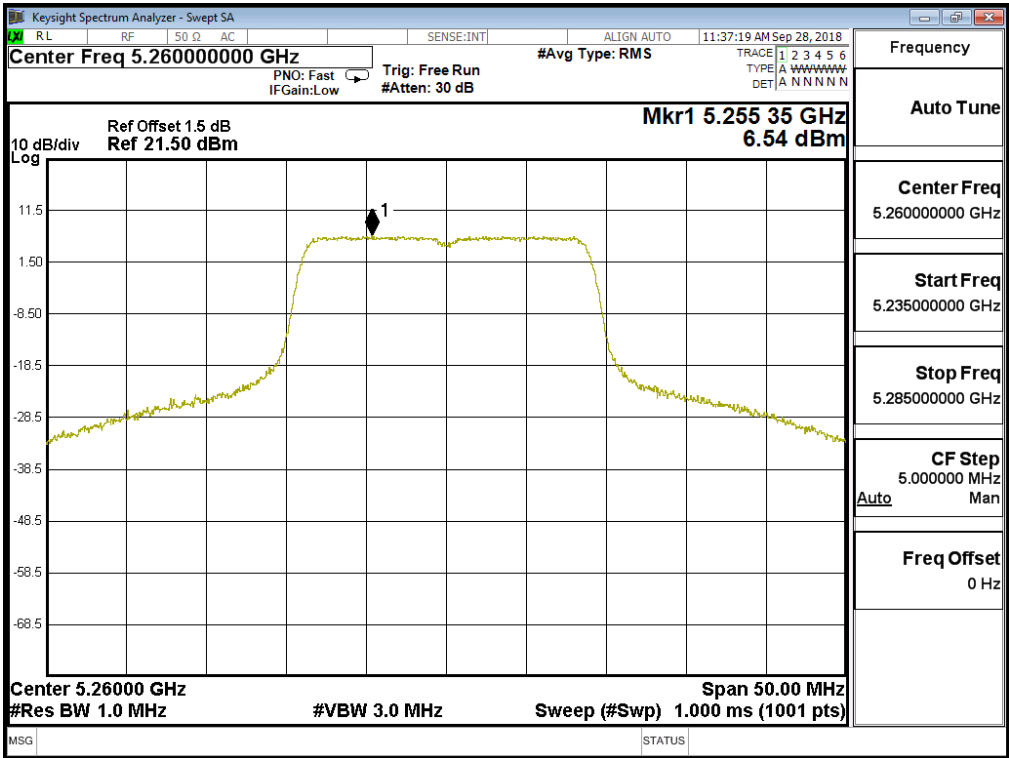
## Channel 44



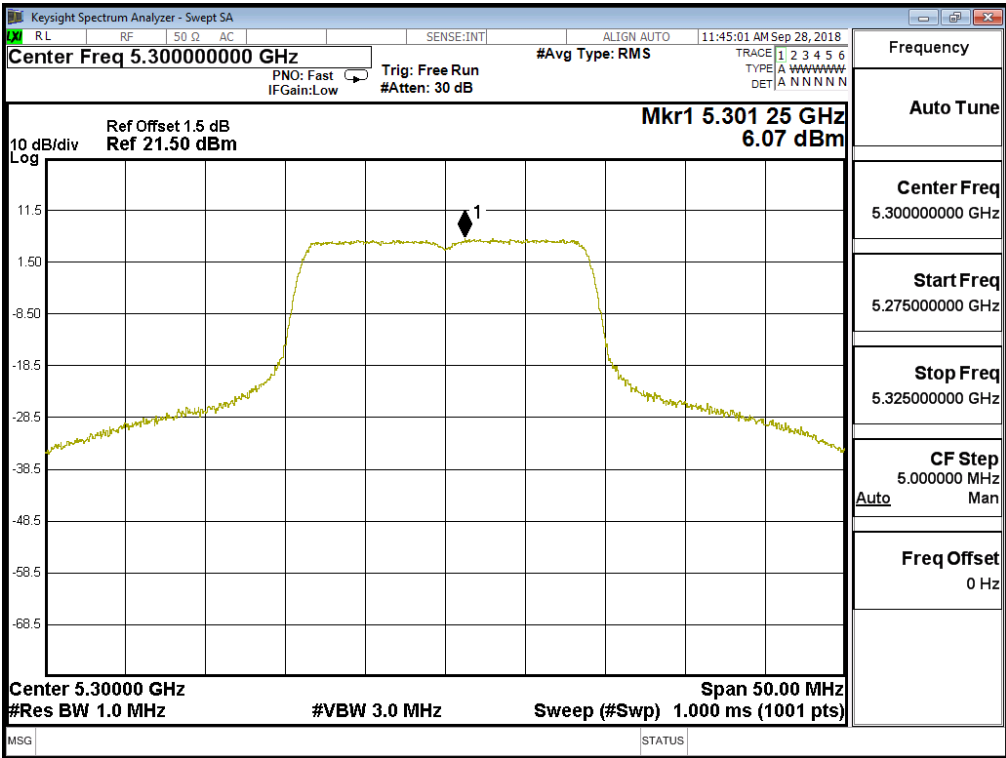
Channel 48



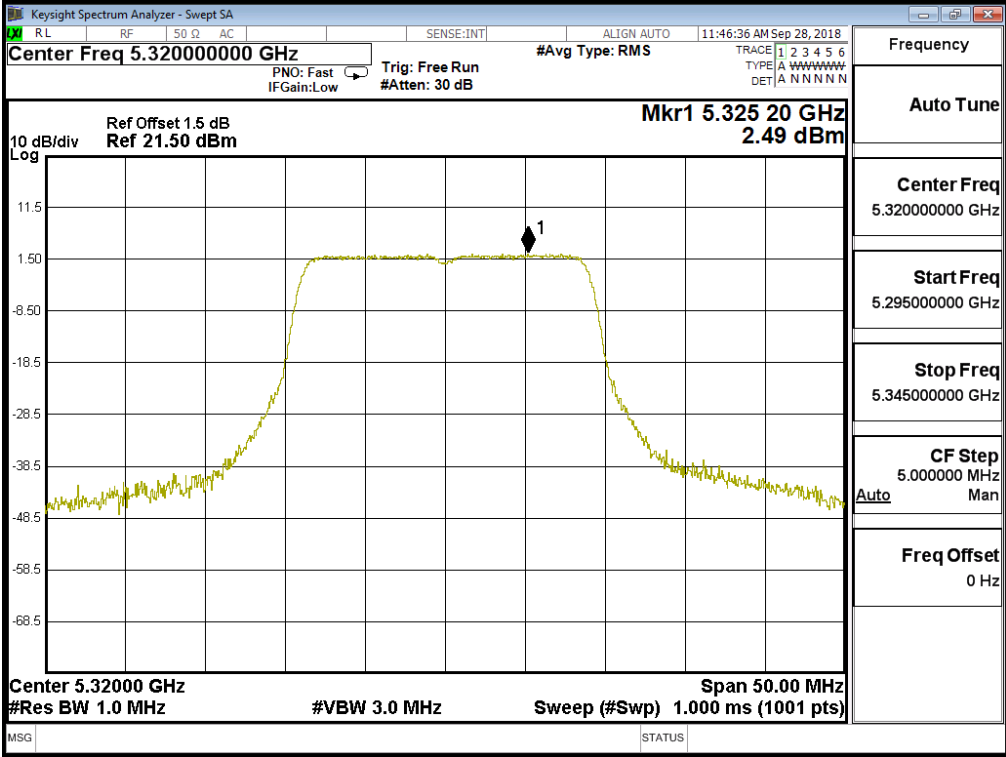
Channel 52



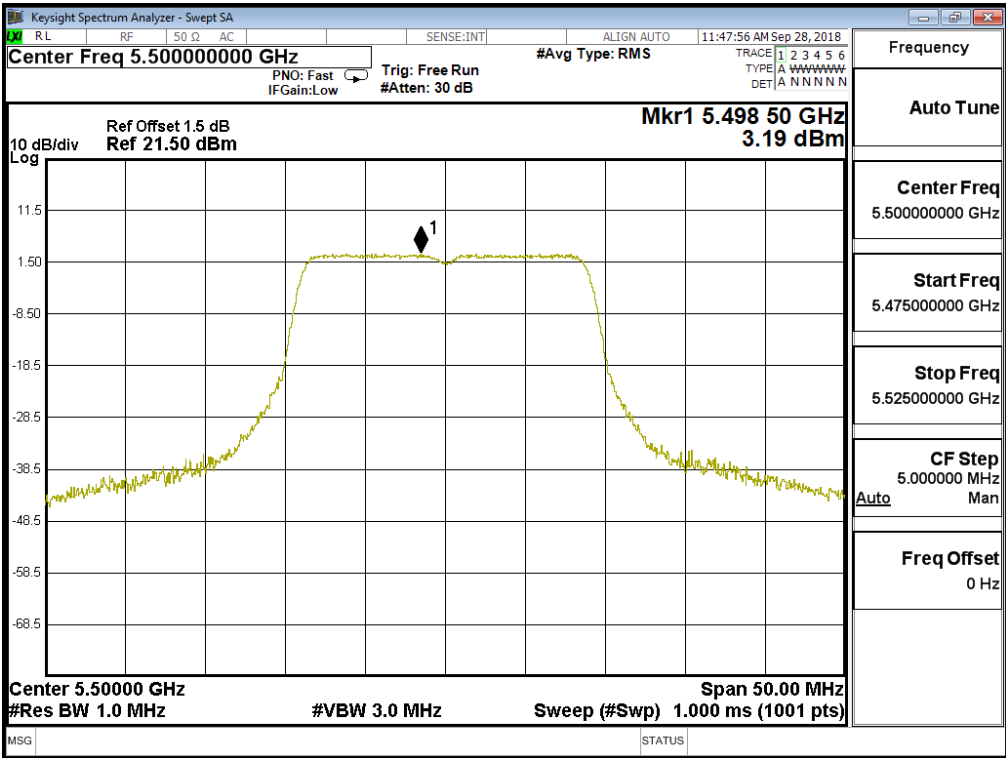
Channel 60



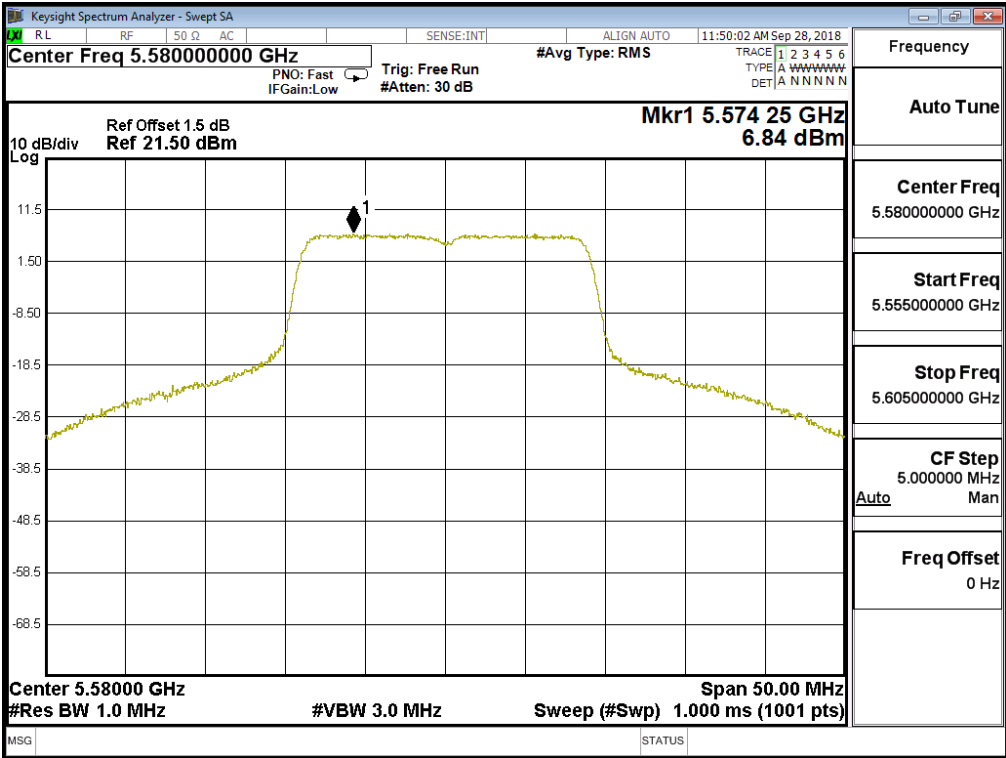
Channel 64



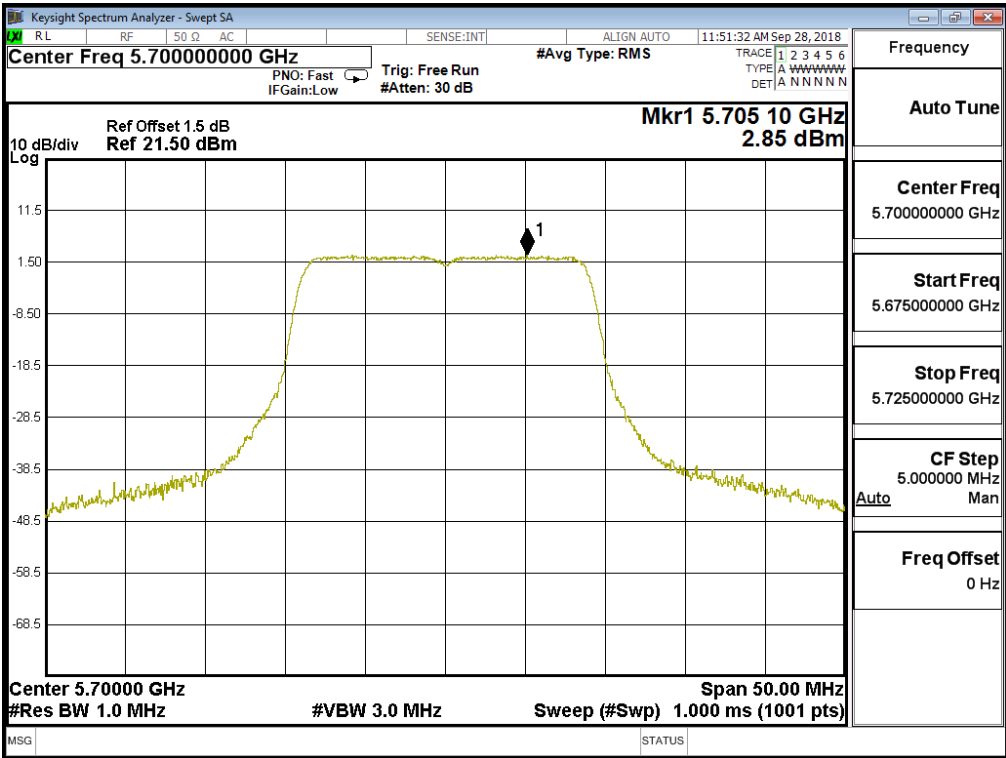
Channel 100



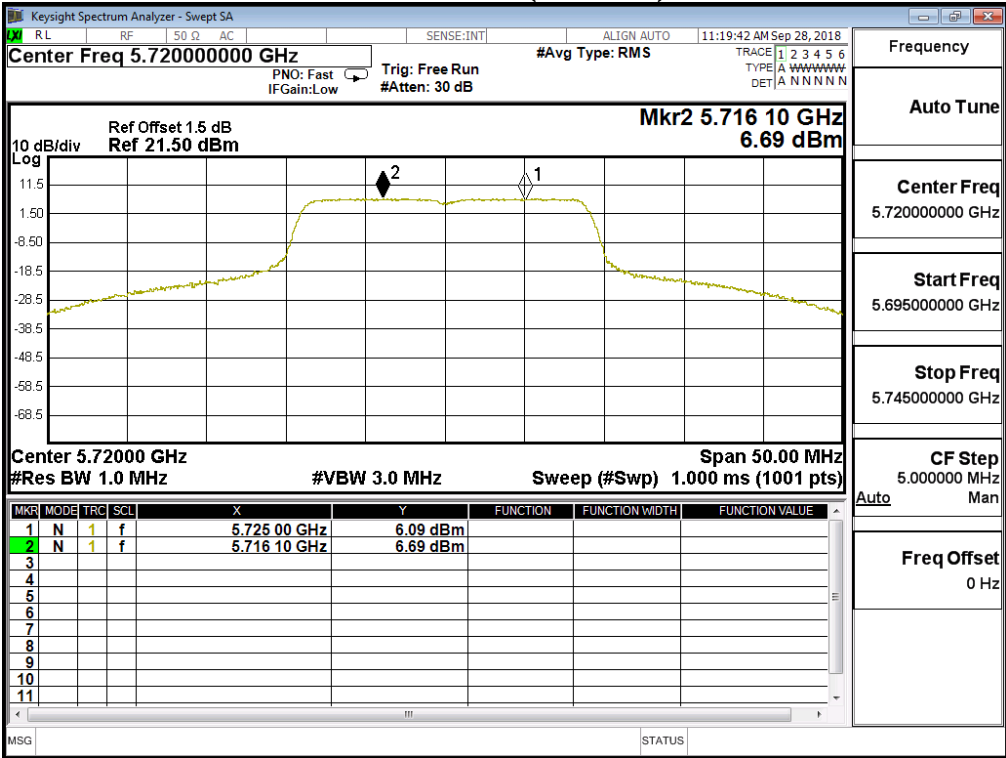
Channel 116



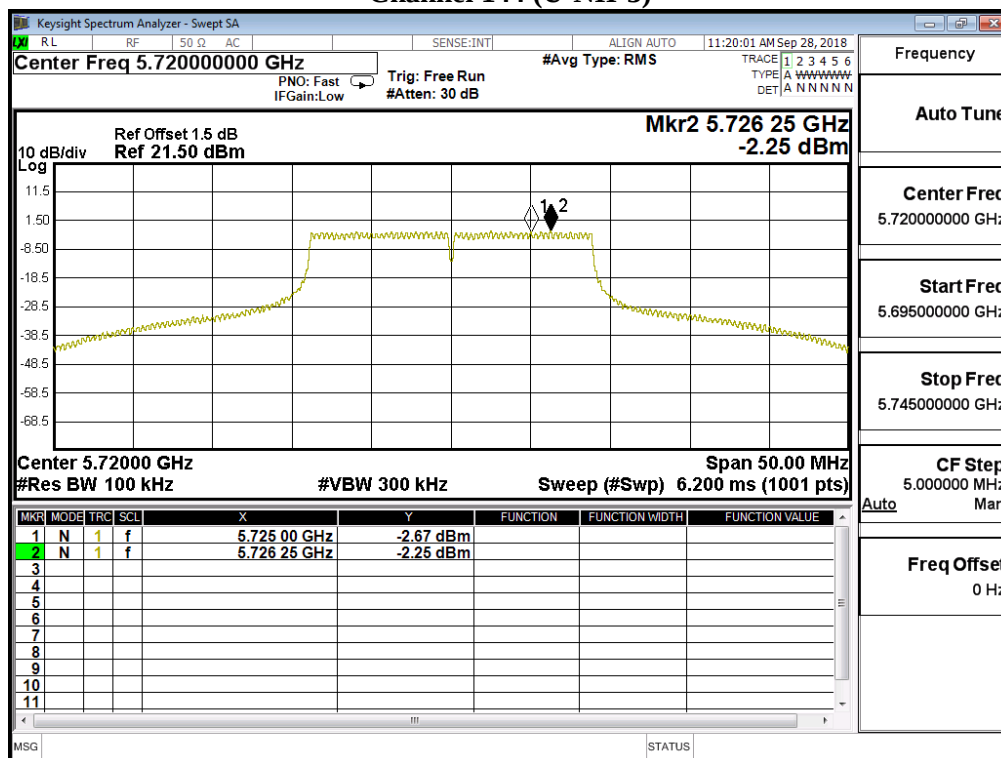
Channel 140



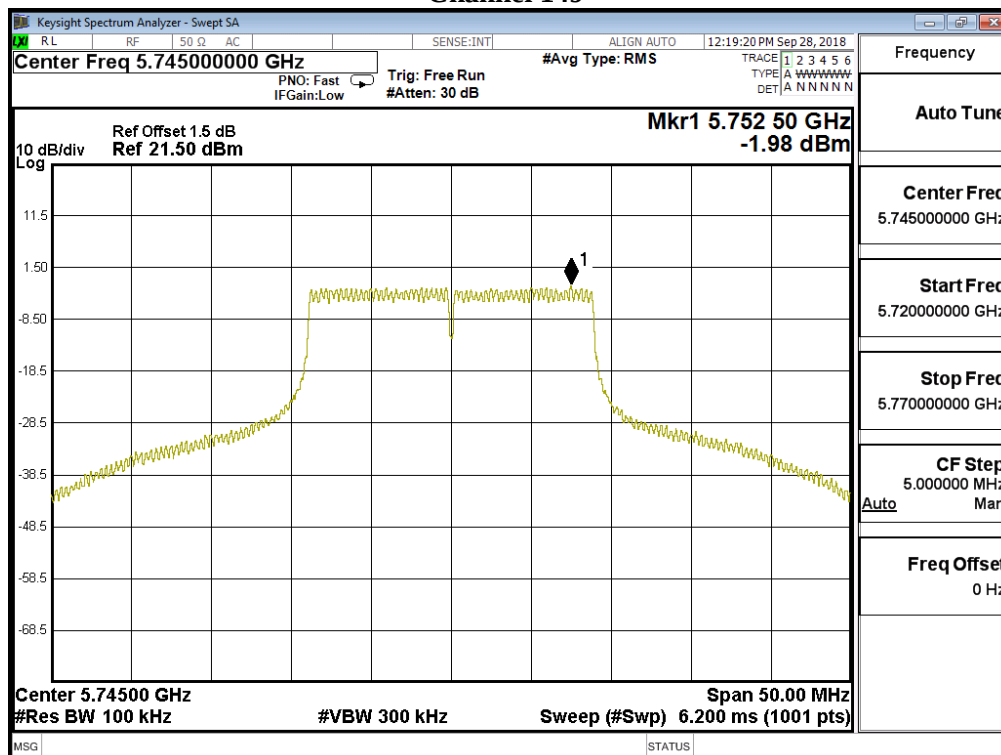
Channel 144 (U-NII-2C)



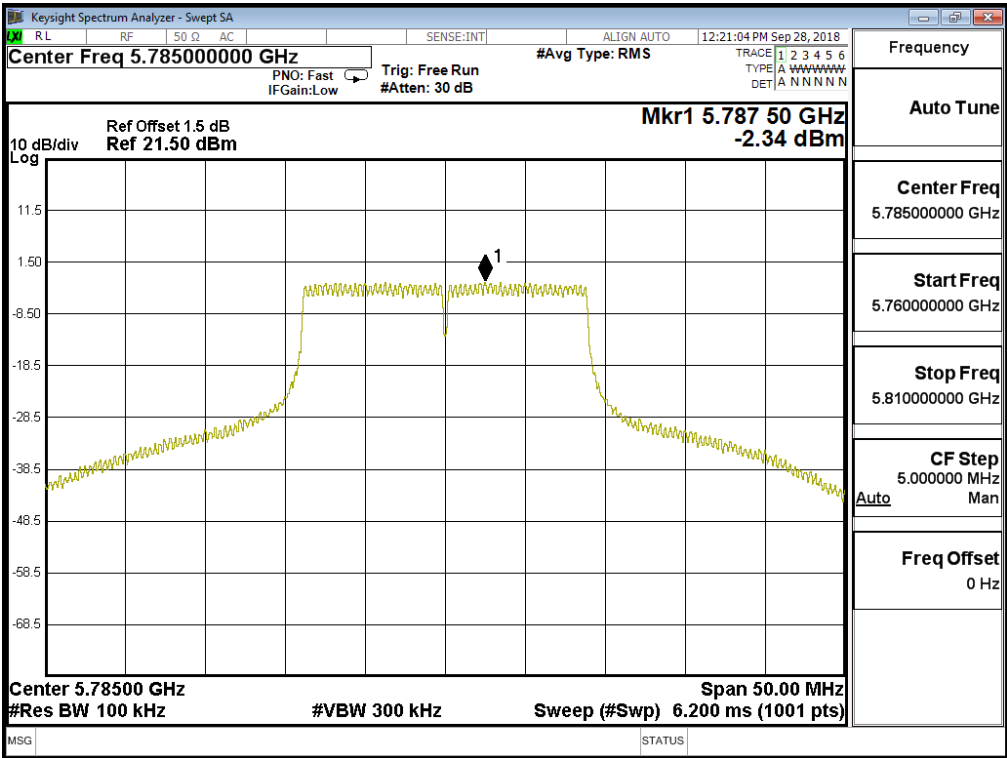
## Channel 144 (U-NII-3)



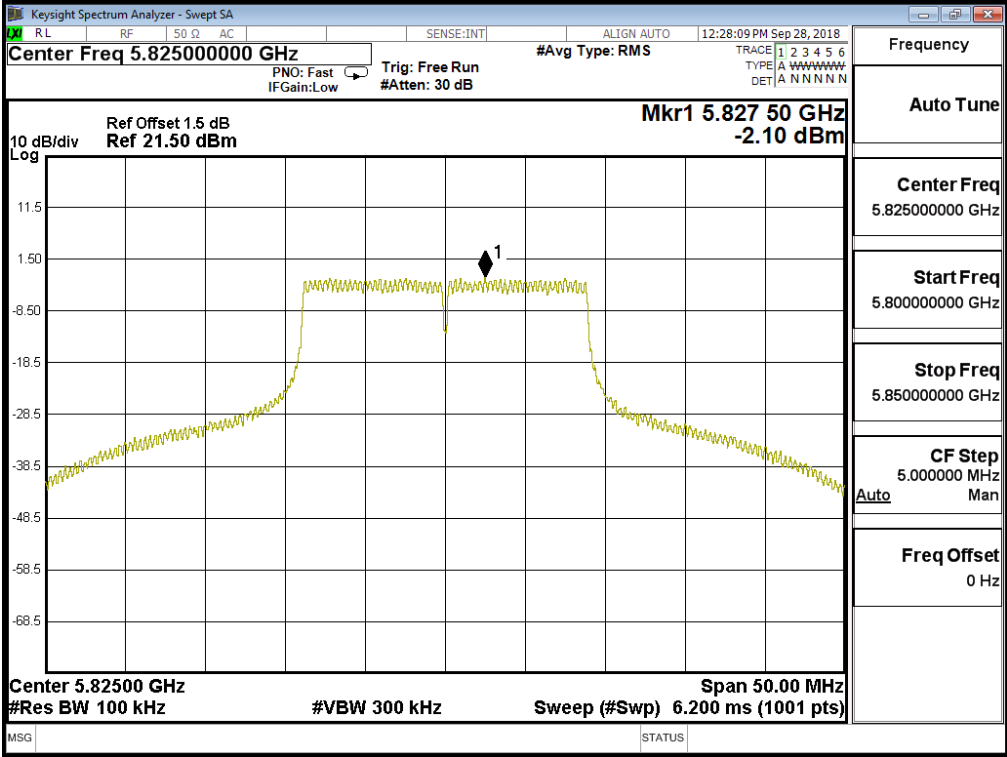
## Channel 149



Channel 157



Channel 165



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201NGW

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：107 年 10 月 03 日

測試項目：峰值功率頻譜密度

測試模式：Mode 2: SISO B: 發射器 802.11n-40BW

視頻頻寬：3MHz

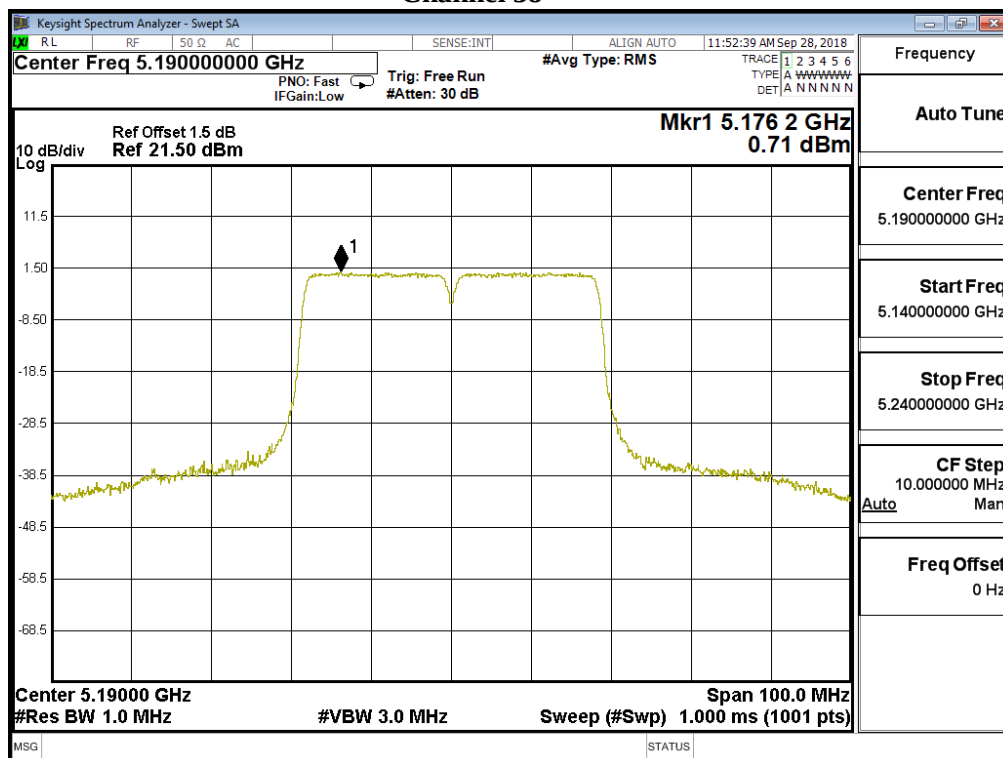
環境溫度：21 °C

環境濕度：53 %

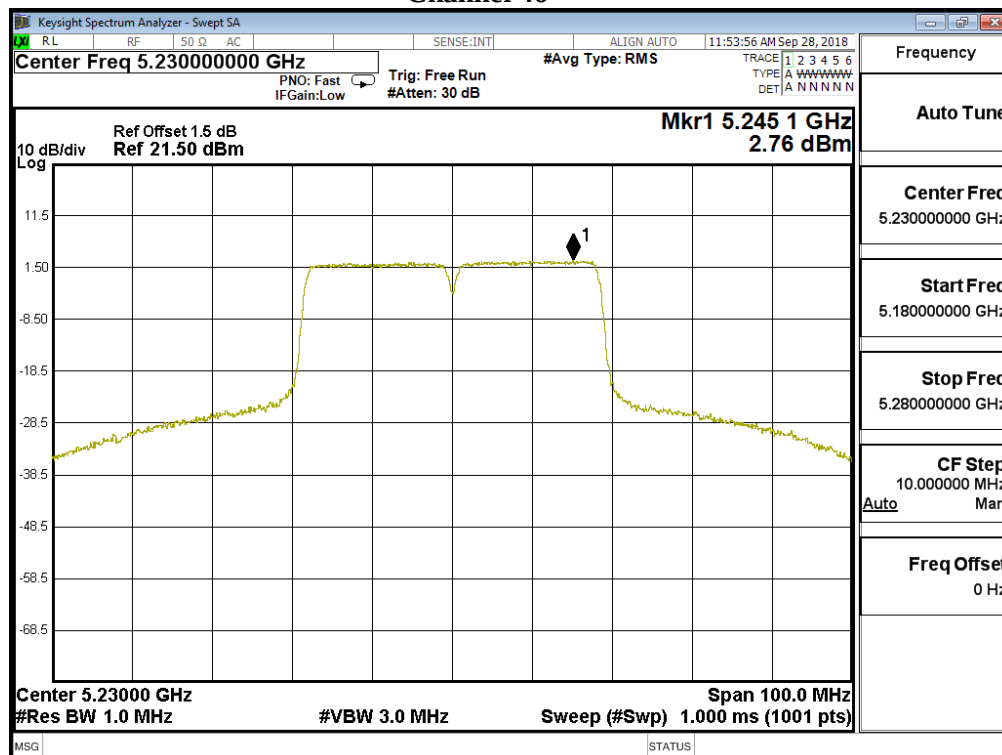
| Channel Number | Frequency (MHz) | PPSD (dBm) | Required Limit (dBm) | Result |
|----------------|-----------------|------------|----------------------|--------|
| 38             | 5190            | 0.710      | <11                  | Pass   |
| 46             | 5230            | 2.760      | <11                  | Pass   |
| 54             | 5270            | 2.620      | <11                  | Pass   |
| 62             | 5310            | -0.870     | <11                  | Pass   |
| 102            | 5510            | -0.110     | <11                  | Pass   |
| 110            | 5550            | 3.290      | <11                  | Pass   |
| 134            | 5670            | 1.870      | <11                  | Pass   |

| Channel Number | Frequency (MHz) | PPSD (dBm) | BWCF (dB) | Total PSD (dBm) | Required Limit (dBm) | Result |
|----------------|-----------------|------------|-----------|-----------------|----------------------|--------|
| 142(U-NII-2C)  | 5710            | 3.790      | --        | 3.790           | <11                  | Pass   |
| 142(U-NII-3)   | 5710            | -5.830     | 6.980     | 1.150           | <30                  | Pass   |
| 151            | 5755            | -5.330     | 6.980     | 1.650           | <30                  | Pass   |
| 159            | 5795            | -5.490     | 6.980     | 1.490           | <30                  | Pass   |

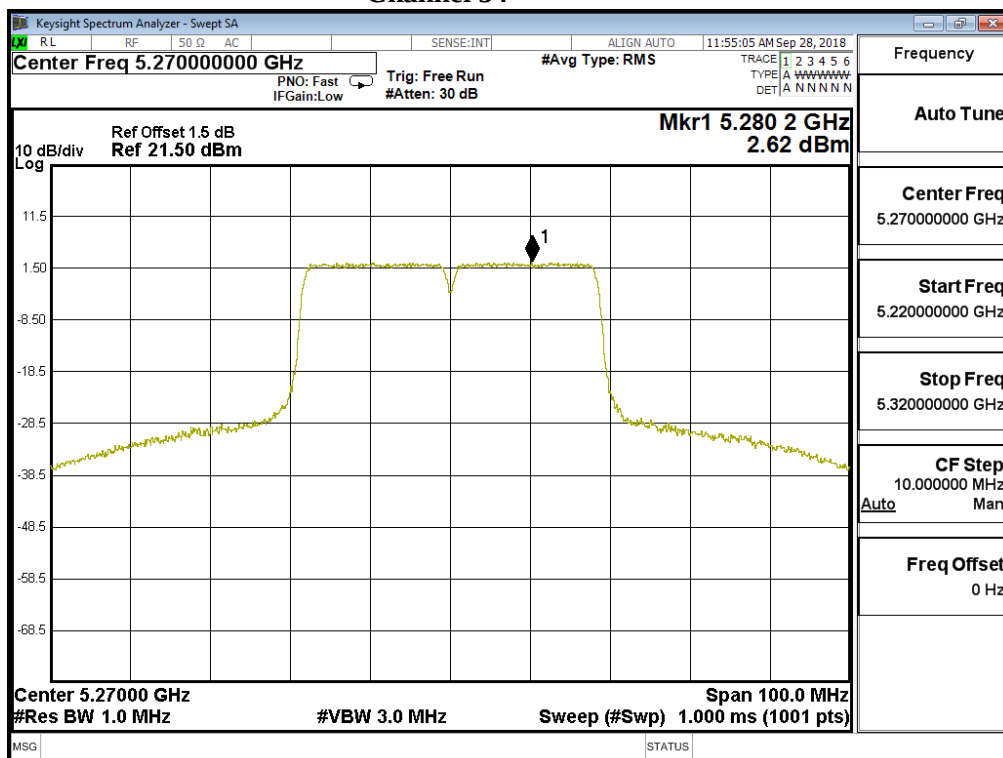
## Channel 38



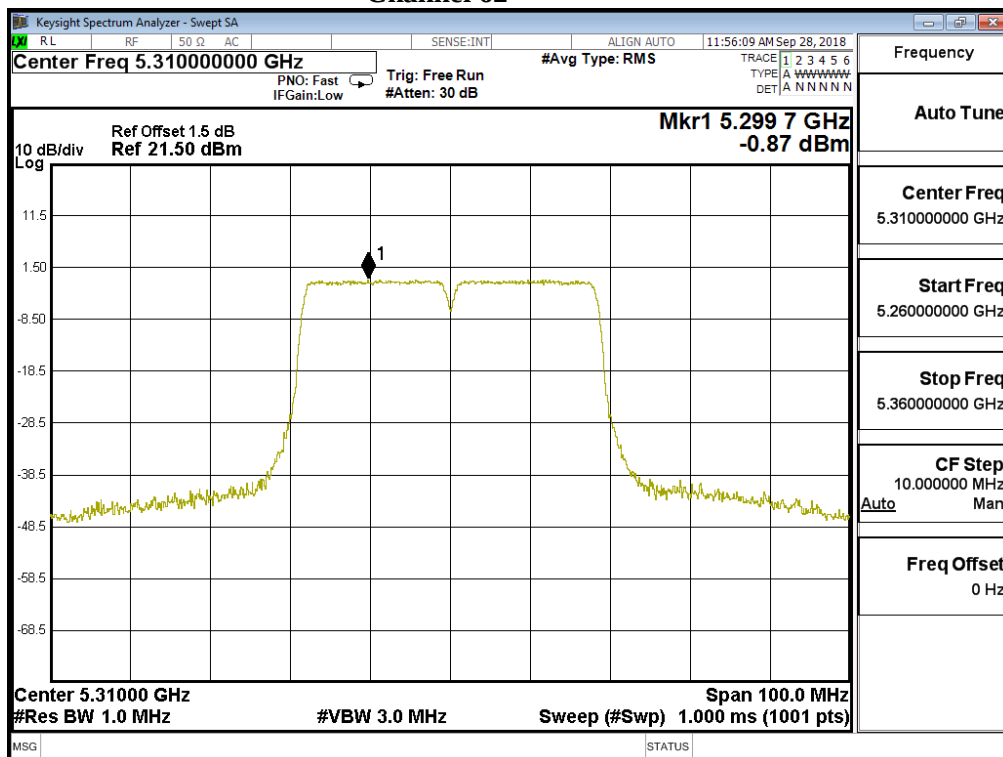
## Channel 46



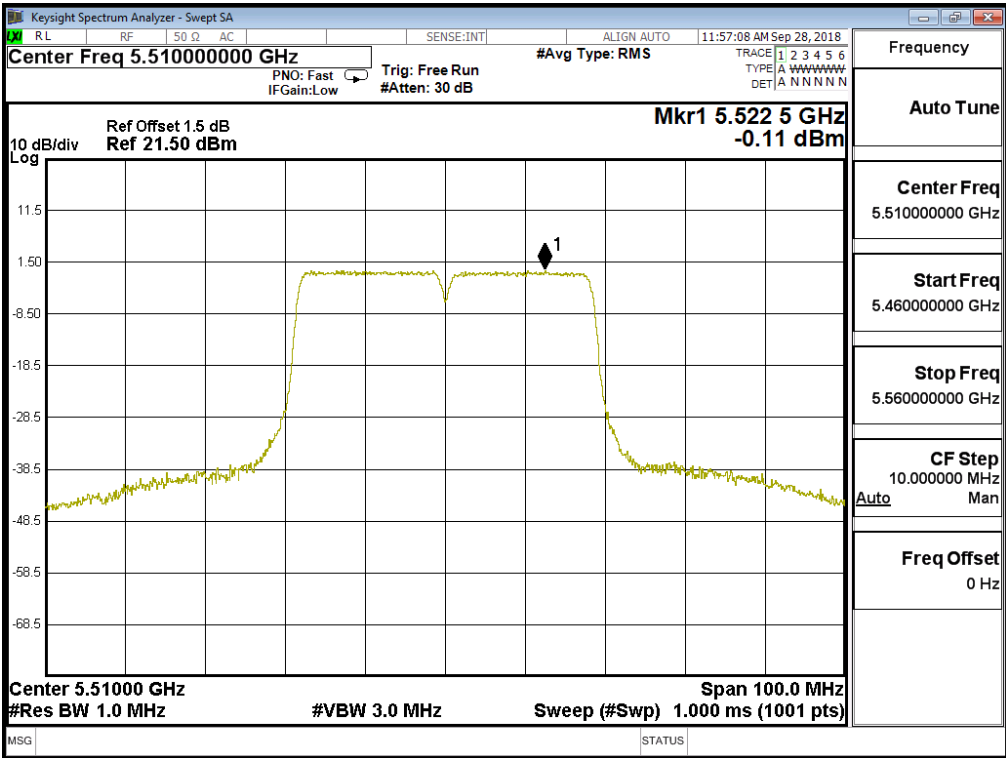
## Channel 54



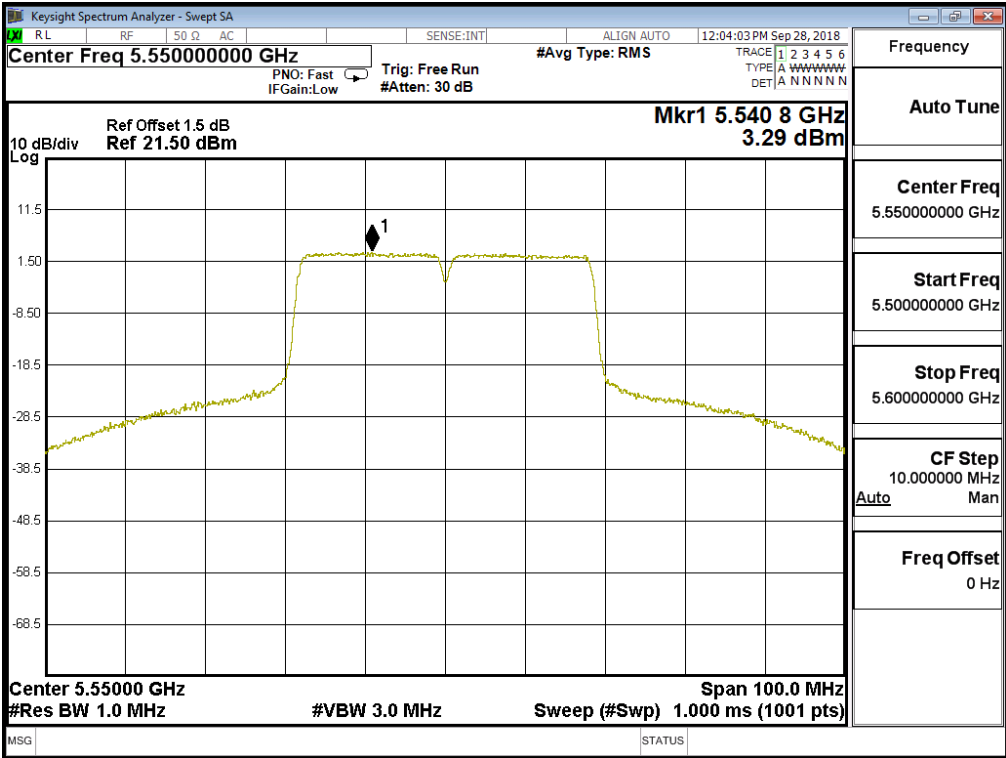
## Channel 62



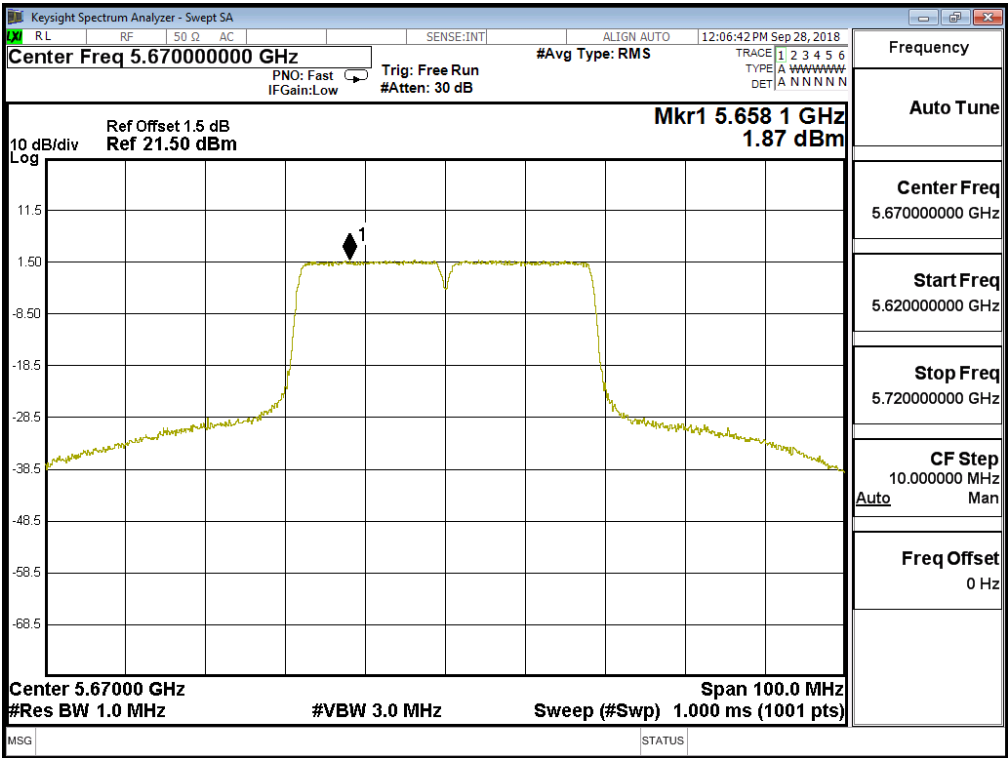
Channel 102



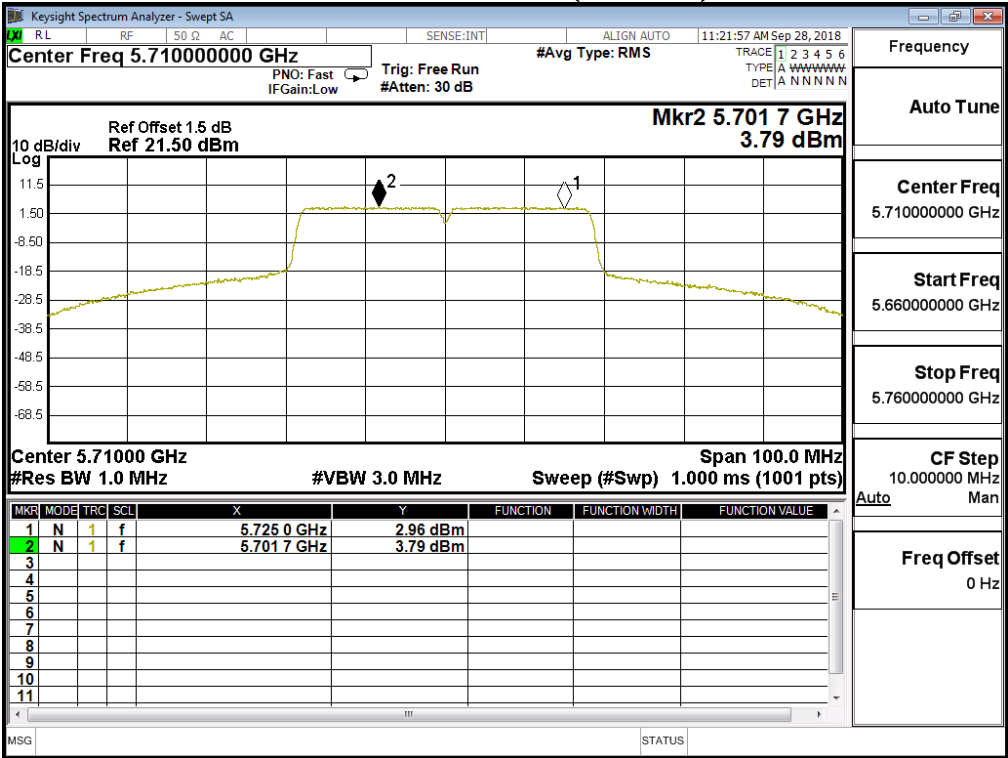
Channel 110



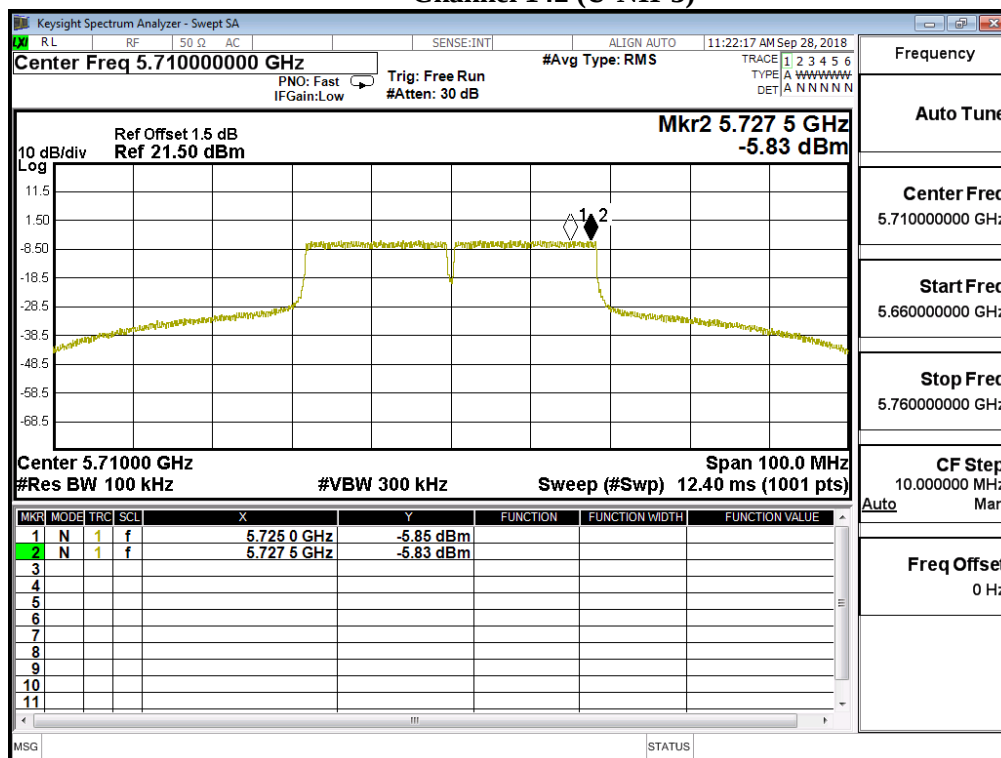
Channel 134



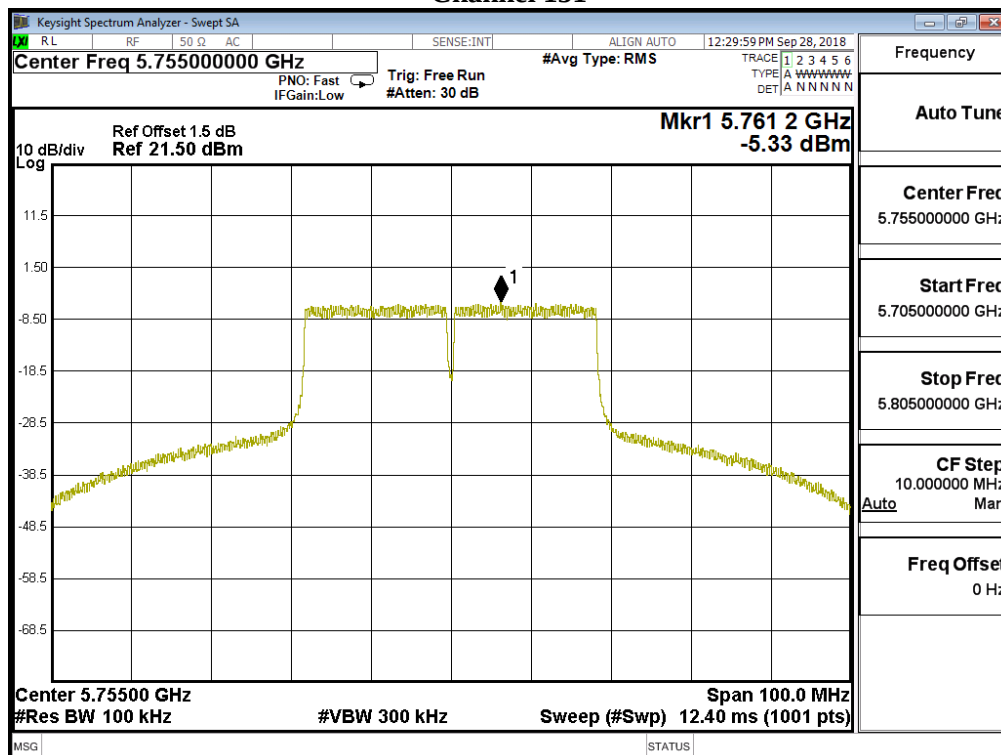
Channel 142 (U-NII-2C)



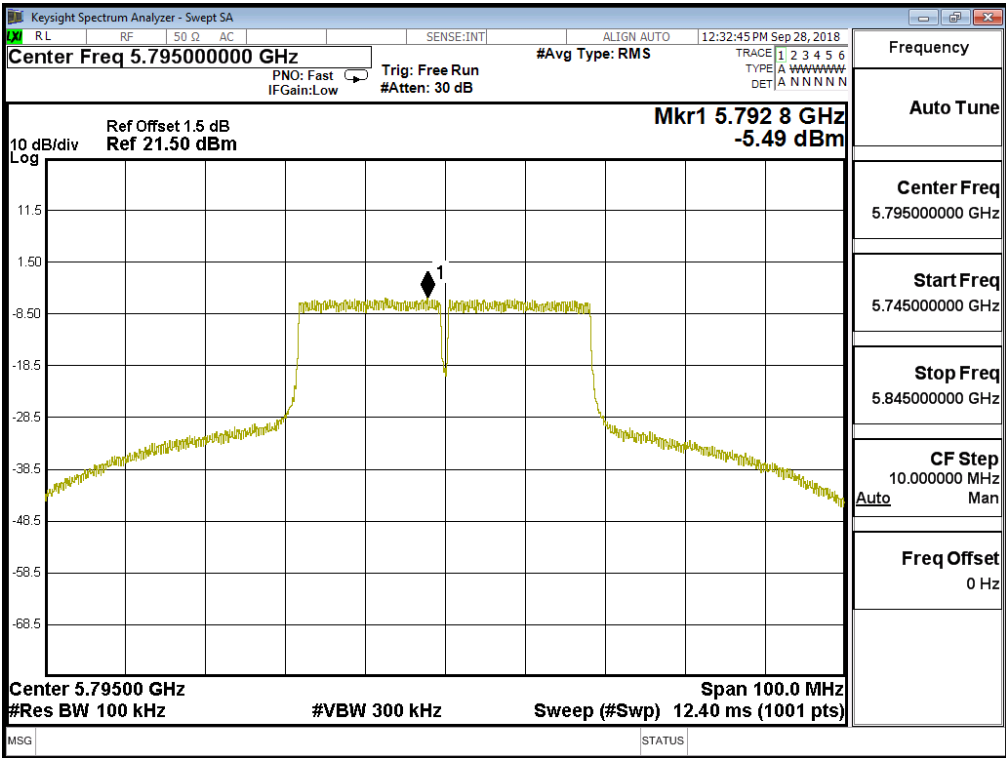
## Channel 142 (U-NII-3)



## Channel 151



Channel 159



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201NGW

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：107 年 10 月 03 日

測試項目：峰值功率頻譜密度

測試模式：Mode 2: SISO B: 發射器 802.11ac-80BW

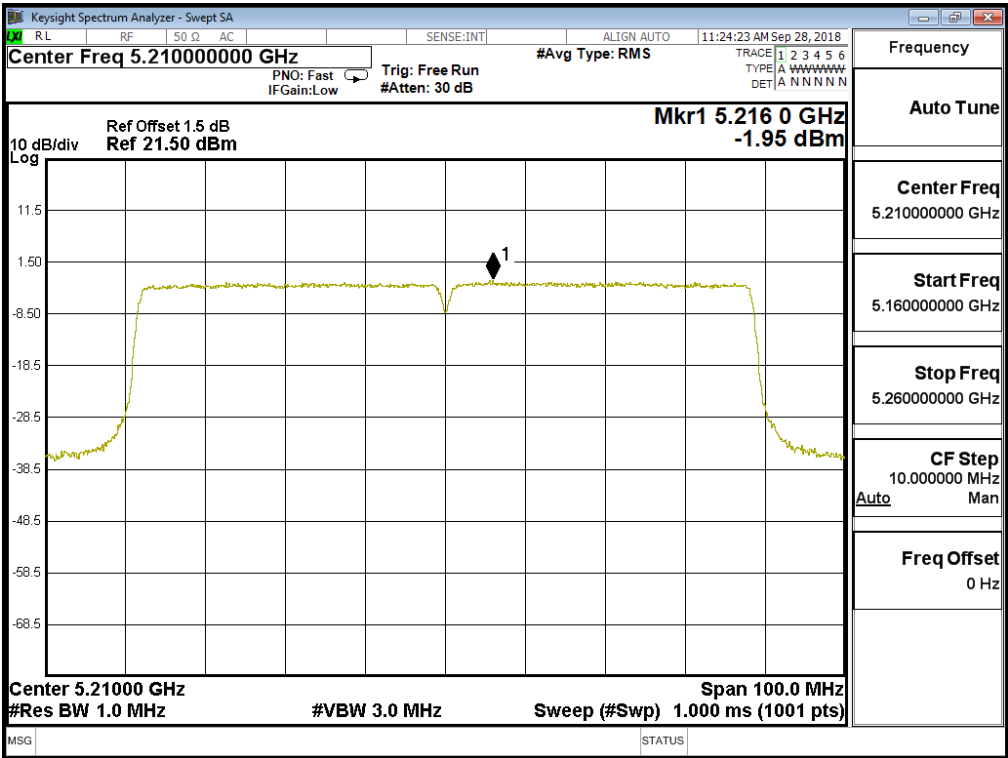
視頻頻寬：3MHz

環境溫度：21 °C

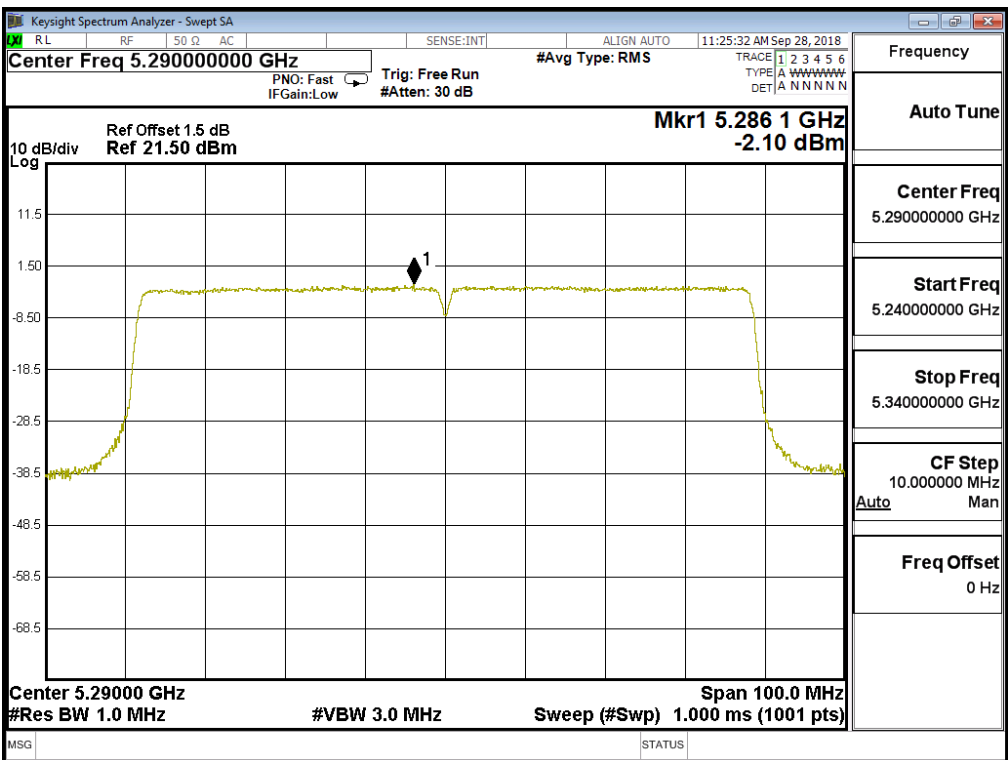
環境濕度：53 %

| Channel Number | Frequency (MHz) | PPSD (dBm) | BWCF (dB) | Total PSD (dBm) | Required Limit (dBm) | Result |
|----------------|-----------------|------------|-----------|-----------------|----------------------|--------|
| 42             | 5210            | -1.950     | --        | -1.950          | <11                  | Pass   |
| 58             | 5290            | -2.100     | --        | -2.100          | <11                  | Pass   |
| 106            | 5530            | -2.720     | --        | -2.720          | <11                  | Pass   |
| 122            | 5610            | 0.750      | --        | 0.750           | <11                  | Pass   |
| 138(U-NII-2C)  | 5690            | 0.800      | --        | 0.800           | <11                  | Pass   |
| 138(U-NII-3)   | 5690            | -8.430     | 6.98      | -8.430          | <30                  | Pass   |
| 155            | 5775            | -15.500    | 6.98      | -15.500         | <30                  | Pass   |

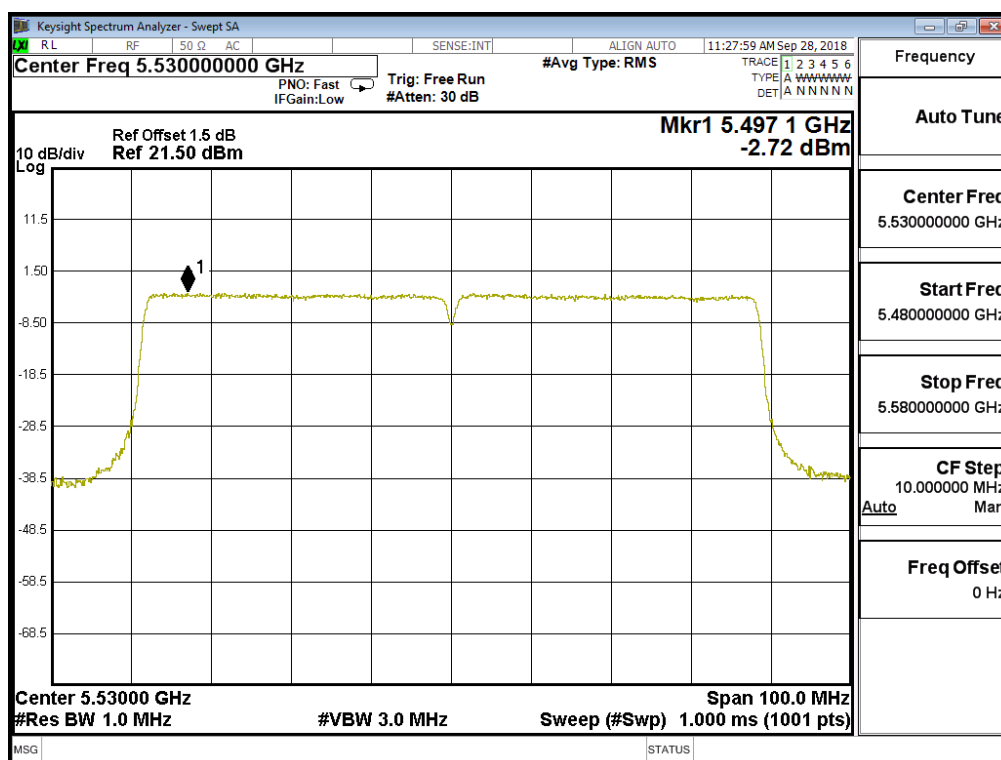
Channel 42



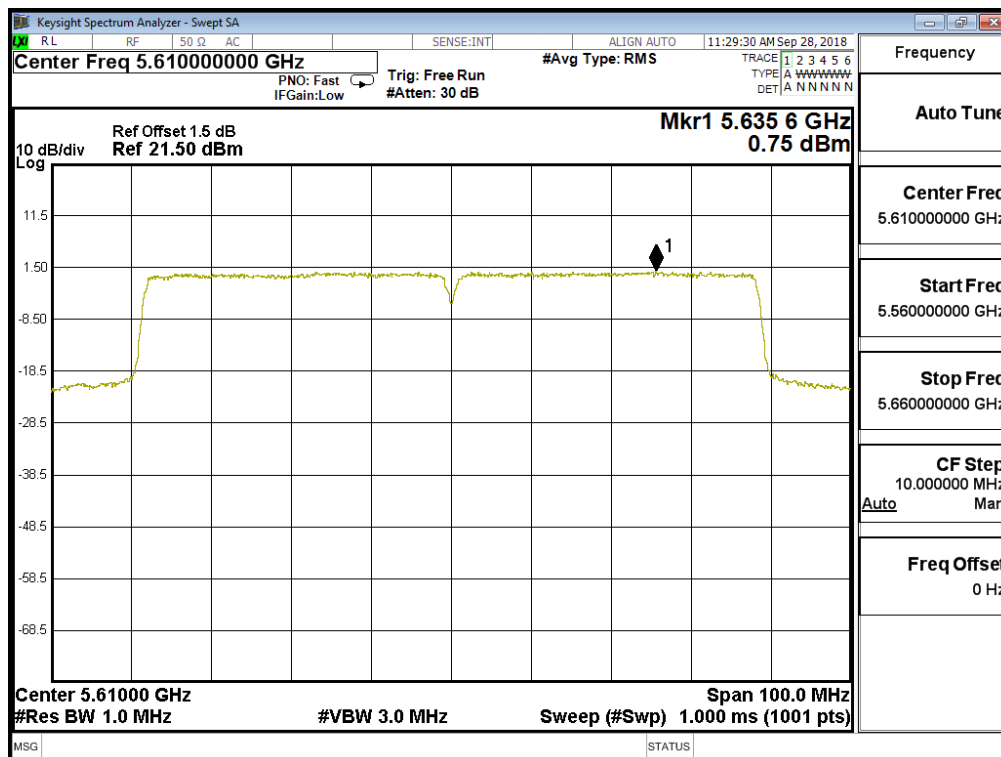
Channel 58



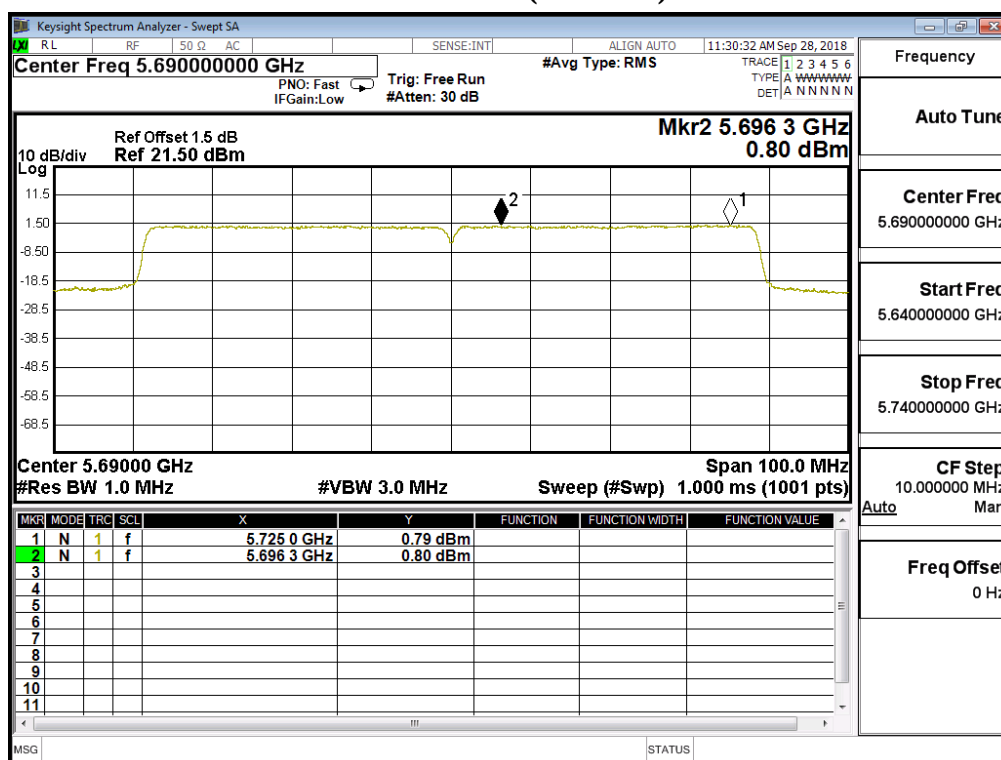
## Channel 106



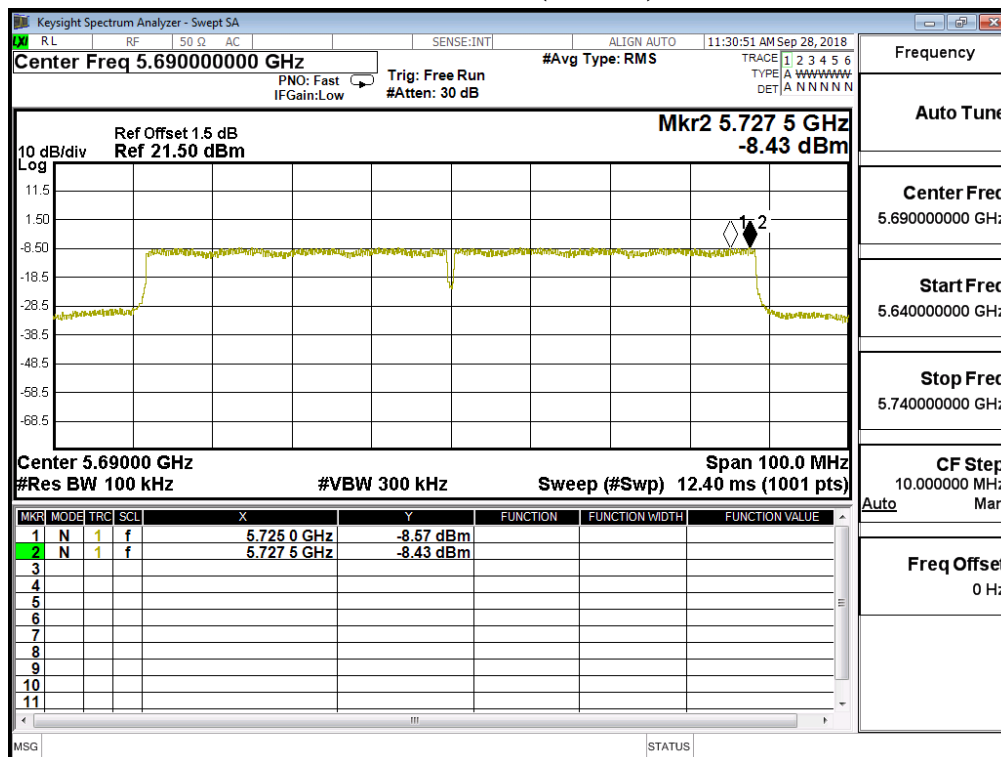
## Channel 122



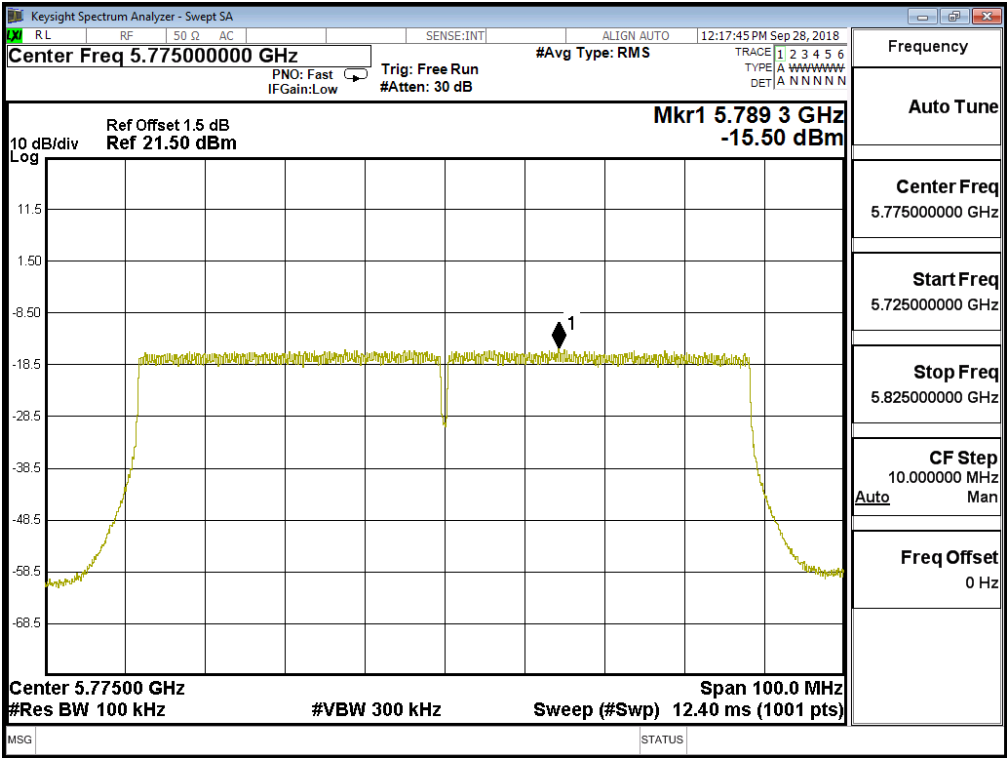
## Channel 138 (U-NII-2C)



## Channel 138 (U-NII-3)



Channel 155



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201NGW

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：107 年 10 月 03 日

測試項目：峰值功率頻譜密度

測試模式：Mode 2: SISO B: 發射器 802.11ac-160BW

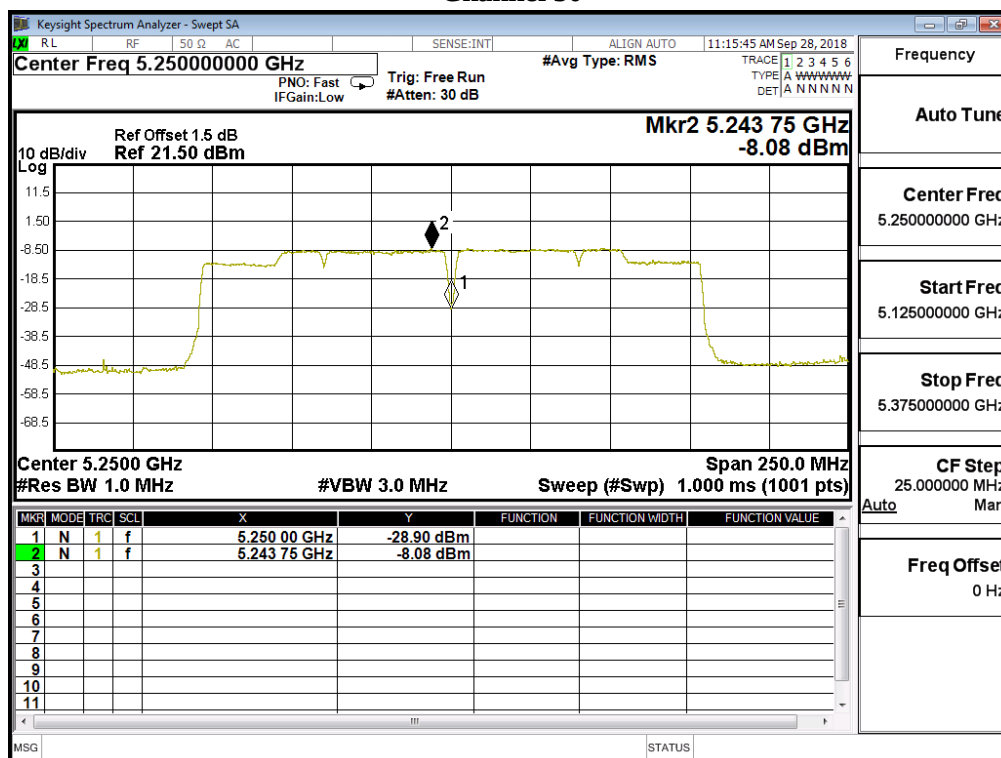
視頻頻寬：3MHz

環境溫度：21 °C

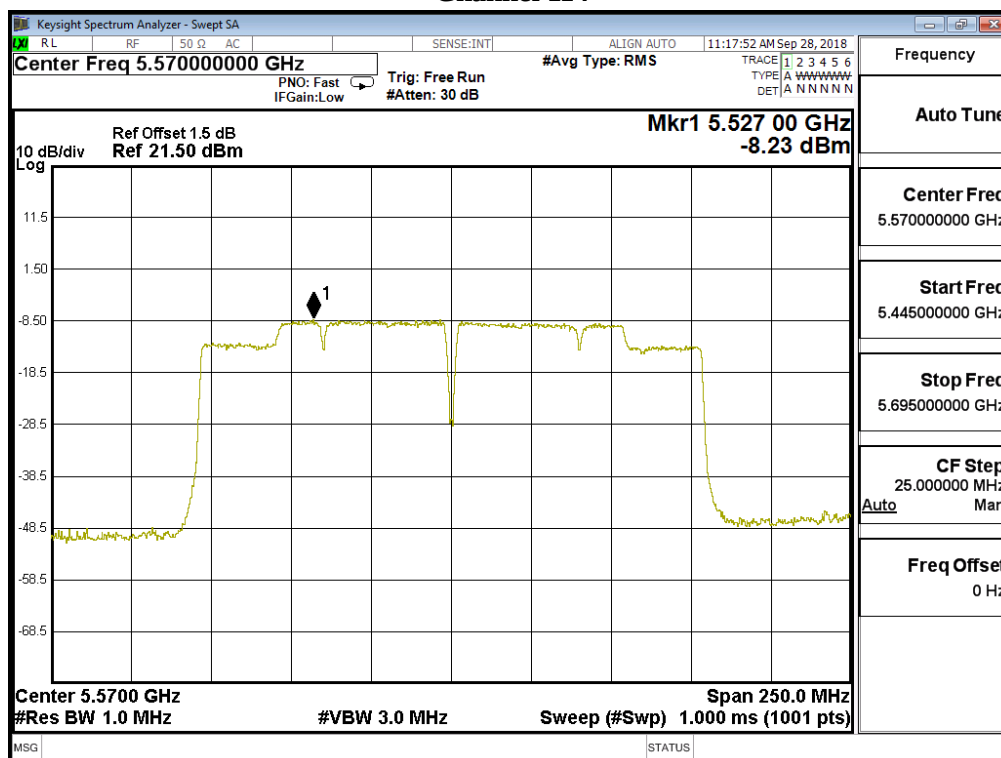
環境濕度：53 %

| Channel Number | Frequency (MHz) | PPSD (dBm) | Required Limit (dBm) | Result |
|----------------|-----------------|------------|----------------------|--------|
| 50             | 5250            | -8.080     | <11                  | Pass   |
| 114            | 5570            | -8.230     | <11                  | Pass   |

## Channel 50



## Channel 114



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201NGW

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：107 年 10 月 03 日

測試項目：峰值功率頻譜密度

測試模式：Mode 3: MIMO: 發射器 802.11n-20BW

視頻頻寬：3MHz

環境溫度：21 °C

環境濕度：53 %

| Channel Number | Frequency (MHz) | Chain (dBm) | PPSD/MHz (dBm) | Total PPSP/MHz (dBm) | Required Limit (dBm) | Result |
|----------------|-----------------|-------------|----------------|----------------------|----------------------|--------|
| 36             | 5180            | A           | 1.840          | 4.850                | <11                  | Pass   |
|                |                 | B           | 0.540          | 3.550                | <11                  | Pass   |
| 44             | 5220            | A           | 5.020          | 8.030                | <11                  | Pass   |
|                |                 | B           | 3.970          | 6.980                | <11                  | Pass   |
| 48             | 5240            | A           | 4.330          | 7.340                | <11                  | Pass   |
|                |                 | B           | 2.950          | 5.960                | <11                  | Pass   |
| 52             | 5260            | A           | 4.410          | 7.420                | <11                  | Pass   |
|                |                 | B           | 3.110          | 6.120                | <11                  | Pass   |
| 60             | 5300            | A           | 3.610          | 6.620                | <11                  | Pass   |
|                |                 | B           | 2.330          | 5.340                | <11                  | Pass   |
| 64             | 5320            | A           | 0.460          | 3.470                | <11                  | Pass   |
|                |                 | B           | -0.620         | 2.390                | <11                  | Pass   |
| 100            | 5500            | A           | 0.930          | 3.940                | <11                  | Pass   |
|                |                 | B           | -0.460         | 2.550                | <11                  | Pass   |
| 116            | 5580            | A           | 4.770          | 7.780                | <11                  | Pass   |
|                |                 | B           | 3.600          | 6.610                | <11                  | Pass   |
| 140            | 5700            | A           | 0.650          | 3.660                | <11                  | Pass   |
|                |                 | B           | -0.760         | 2.250                | <11                  | Pass   |

Note:

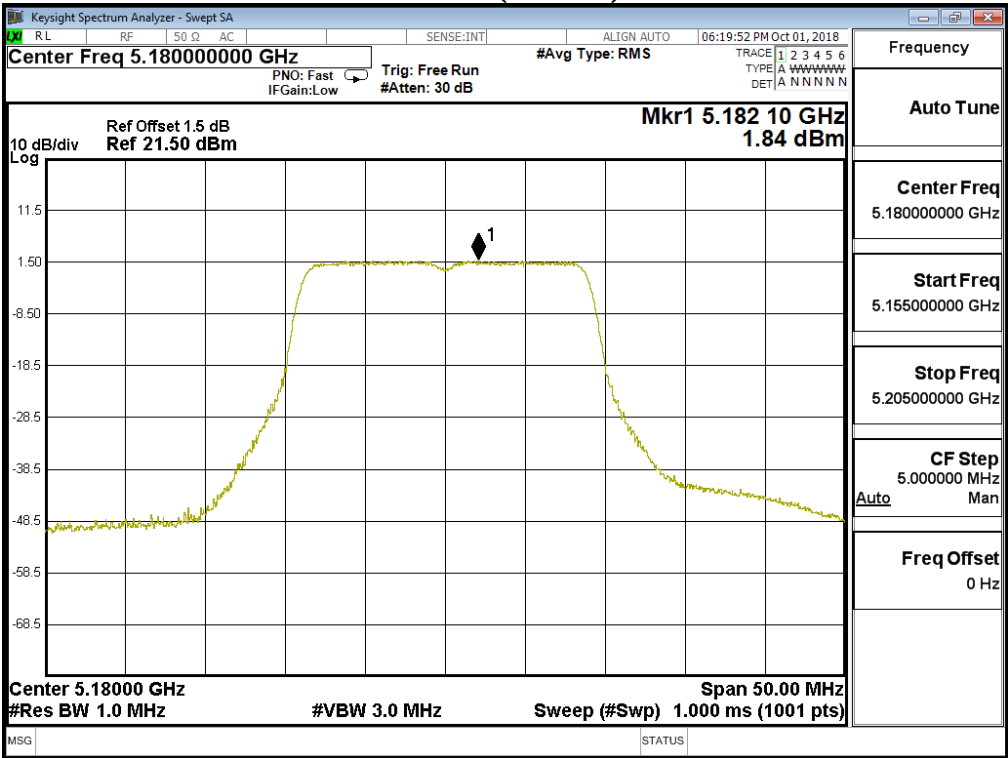
The quantity  $10 \cdot \log 2$  (two antennas) is added to the spectrum peak value according to document 662911 D01.

| Channel Number | Frequency (MHz) | Chain (dBm) | PPSD (dBm) | BWCF (dB) | Total PPSP (dBm) | Required Limit (dBm) | Result |
|----------------|-----------------|-------------|------------|-----------|------------------|----------------------|--------|
| 144 (U-NII-2C) | 5720            | A           | 4.980      | --        | 7.990            | <11                  | Pass   |
|                |                 | B           | 3.410      | --        | 6.420            | <11                  | Pass   |
| 144 (U-NII-3)  | 5720            | A           | -4.150     | 6.980     | 5.840            | <30                  | Pass   |
|                |                 | B           | -5.770     | 6.980     | 4.220            | <30                  | Pass   |
| 149            | 5745            | A           | -4.340     | 6.980     | 5.650            | <30                  | Pass   |
|                |                 | B           | -5.530     | 6.980     | 4.460            | <30                  | Pass   |
| 157            | 5785            | A           | -4.160     | 6.980     | 5.830            | <30                  | Pass   |
|                |                 | B           | -5.450     | 6.980     | 4.540            | <30                  | Pass   |
| 165            | 5825            | A           | -4.230     | 6.980     | 5.760            | <30                  | Pass   |
|                |                 | B           | -5.420     | 6.980     | 4.570            | <30                  | Pass   |

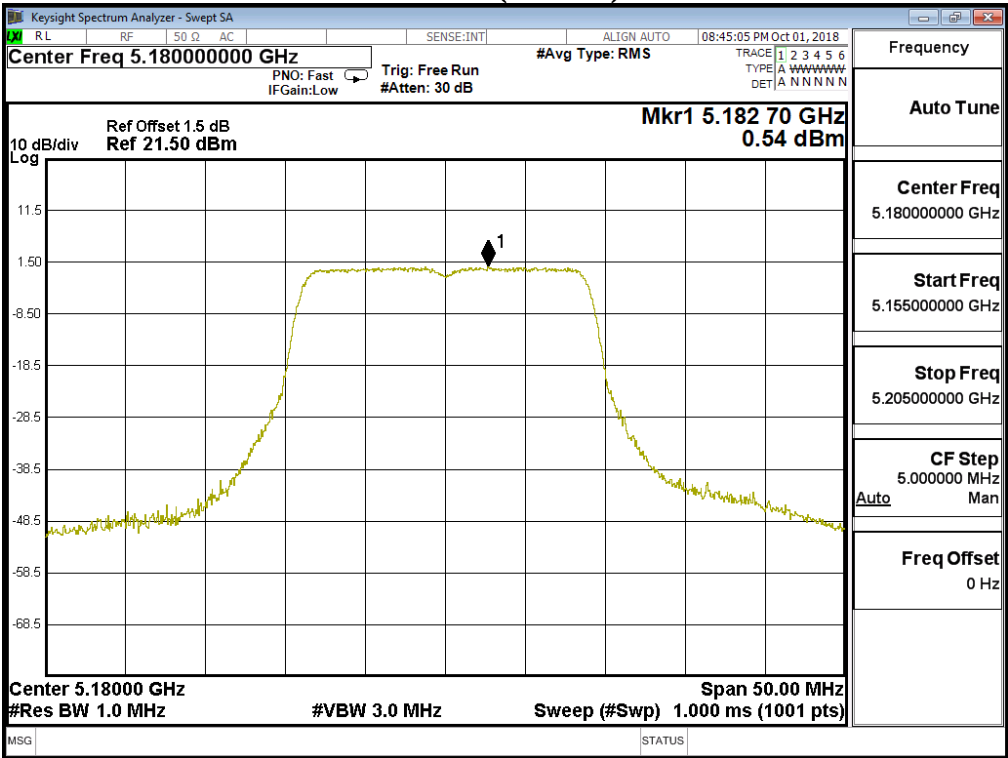
Note:

The quantity  $10 \cdot \log 2$  (two antennas) is added to the spectrum peak value according to document 662911 D01.

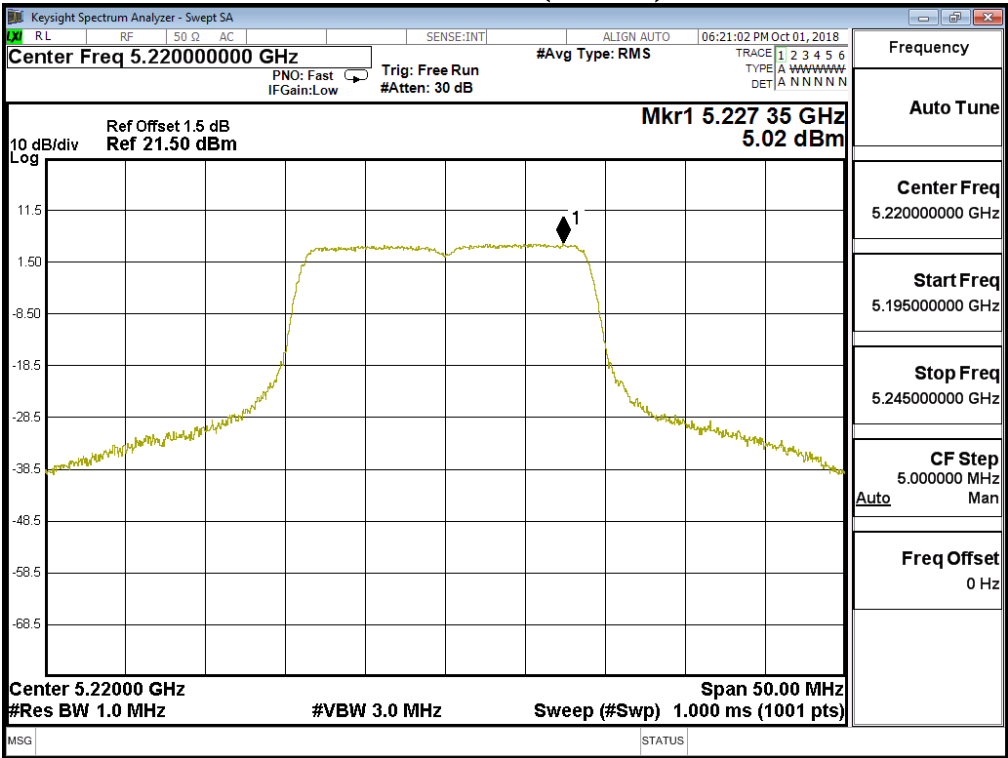
Channel 36 (Chain A)



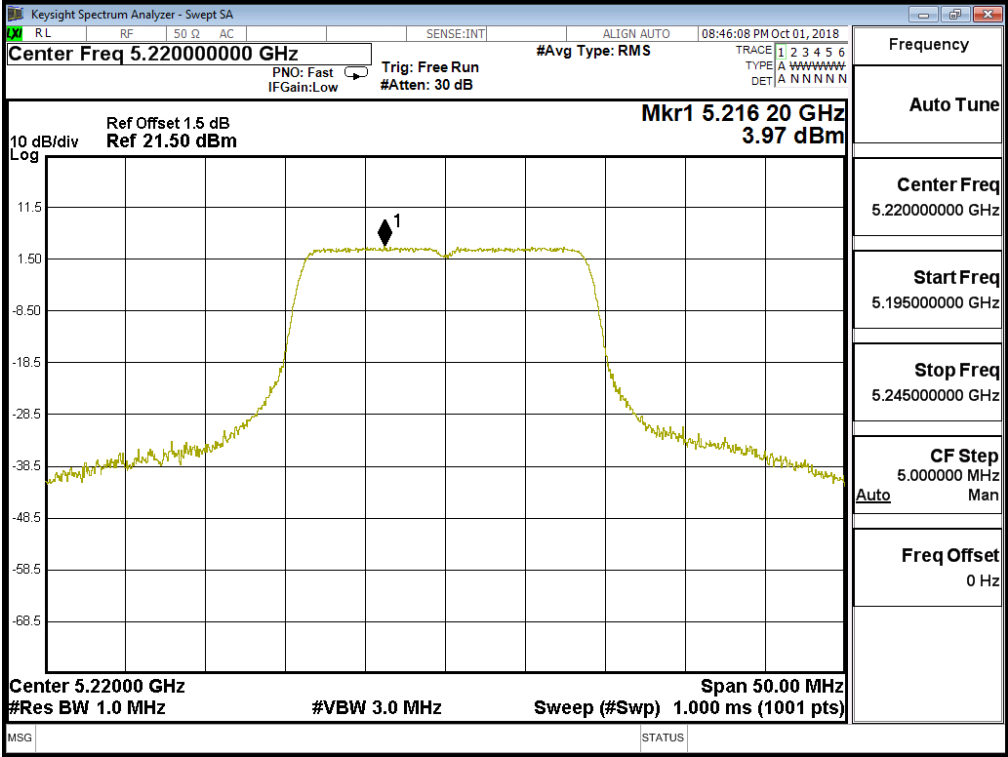
Channel 36 (Chain B)



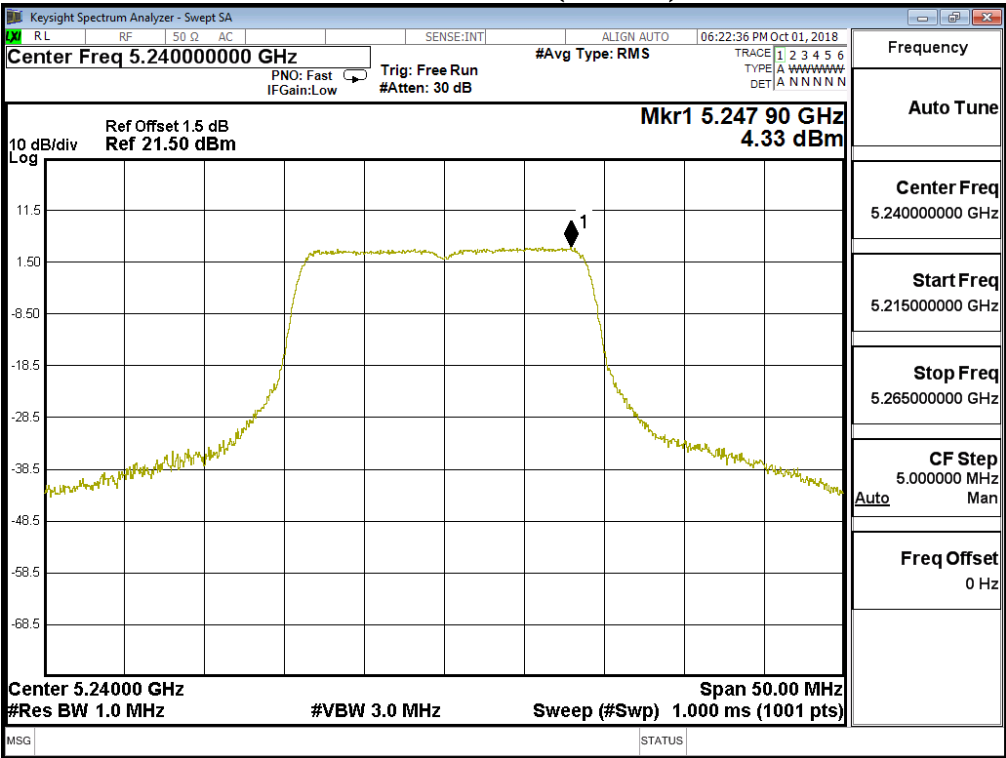
Channel 44 (Chain A)



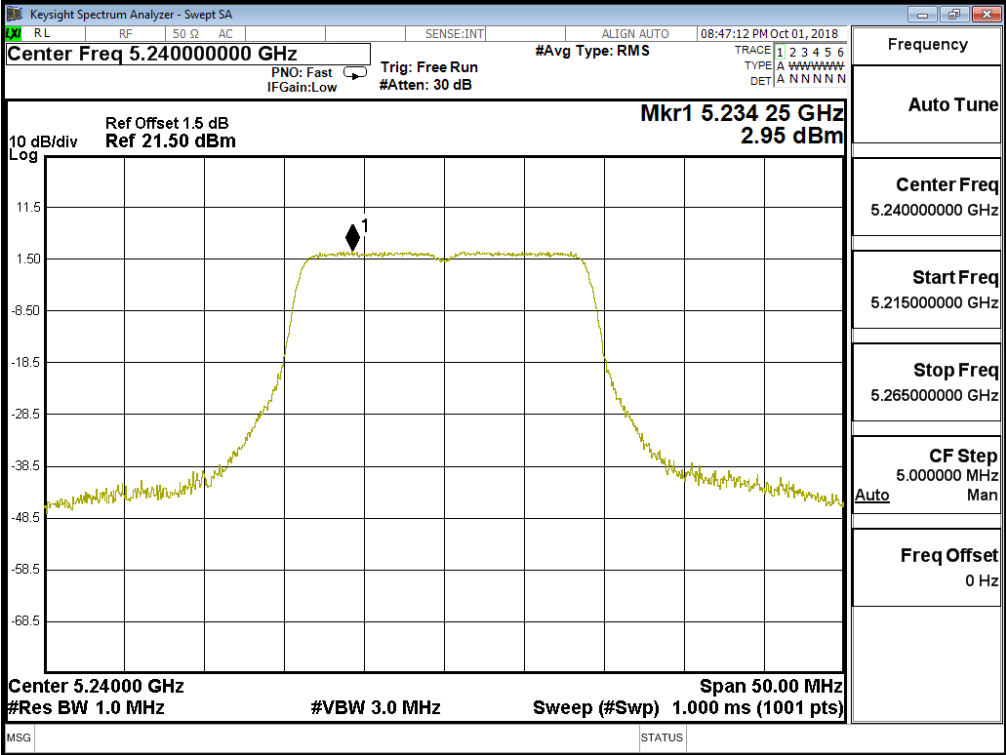
Channel 44 (Chain B)



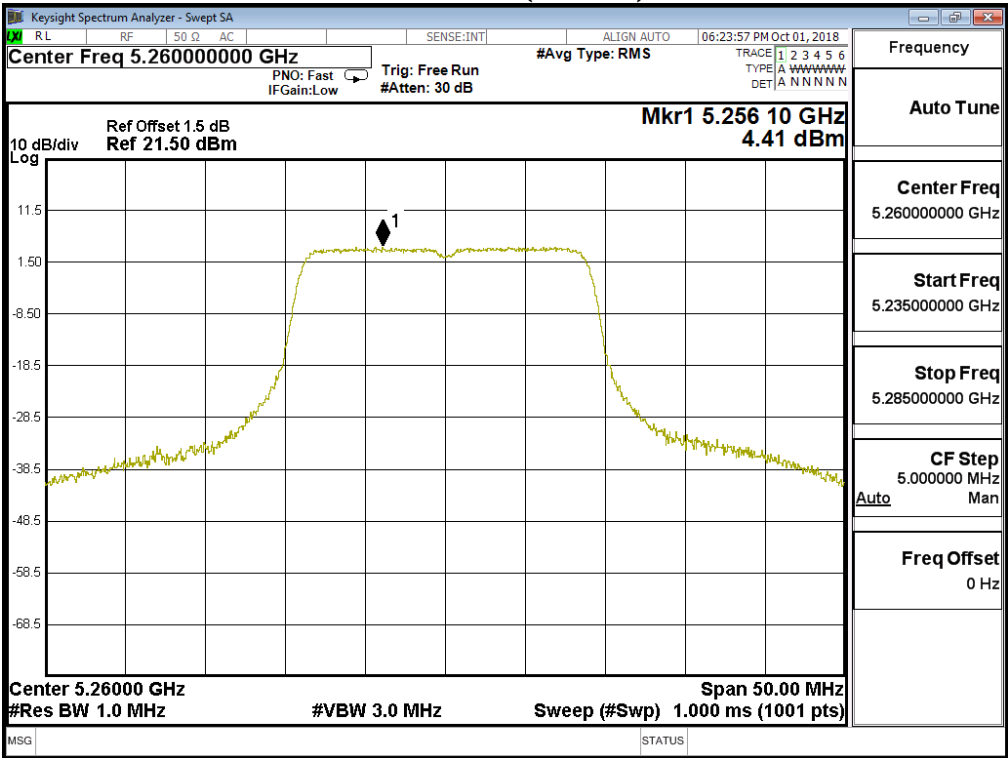
Channel 48 (Chain A)



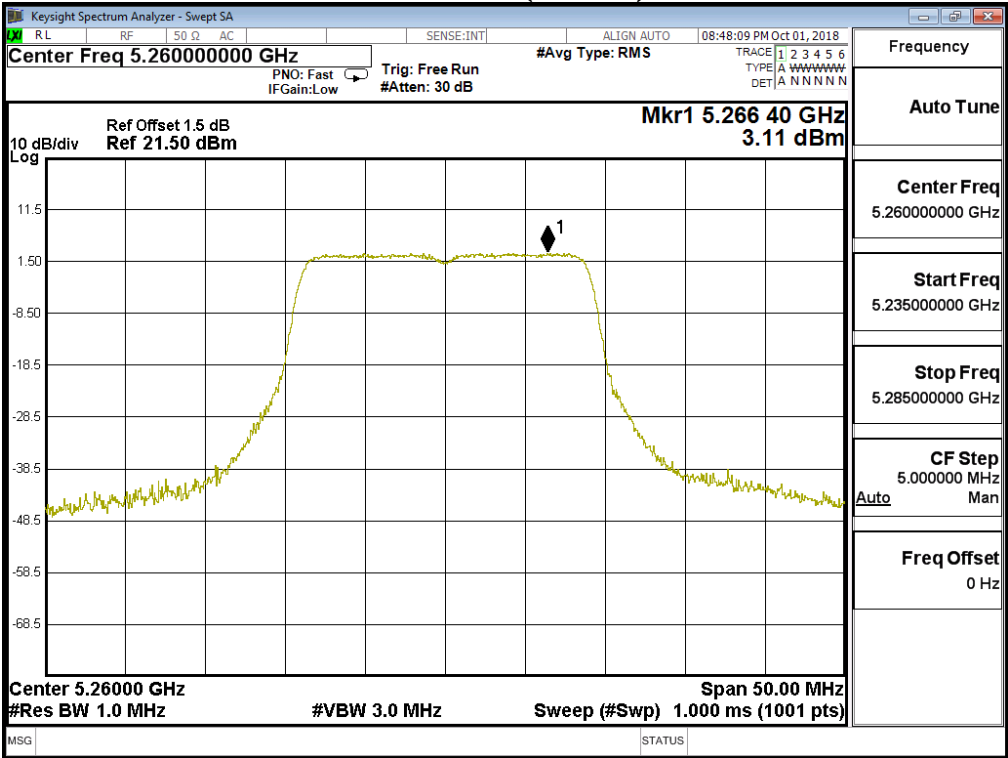
Channel 48 (Chain B)



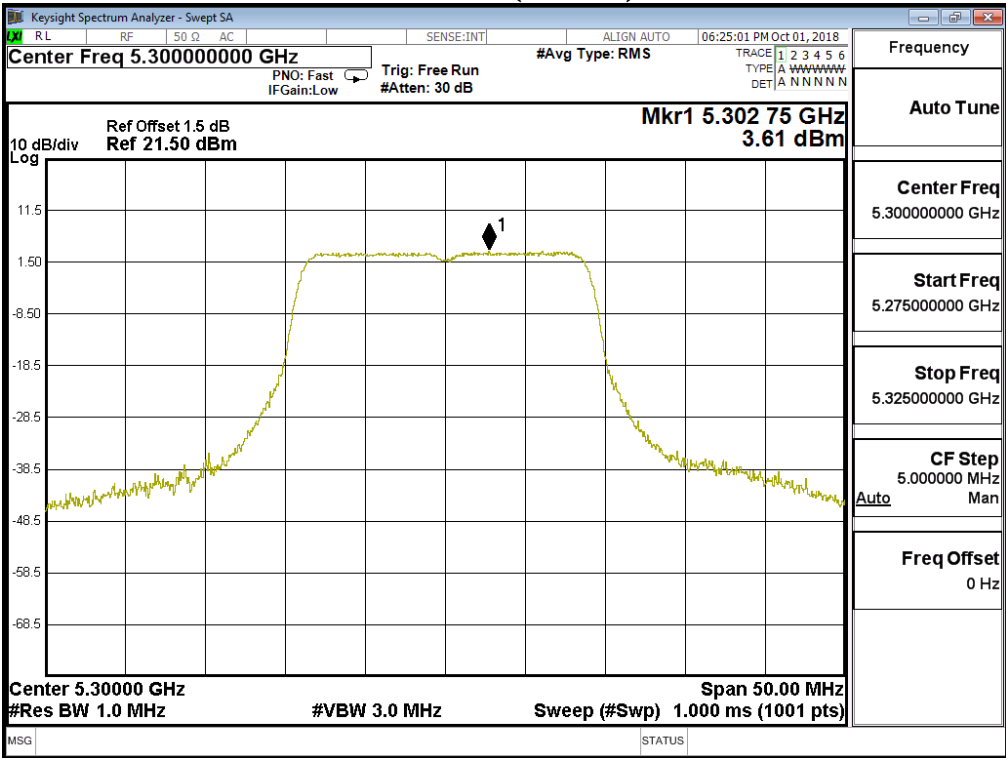
Channel 52 (Chain A)



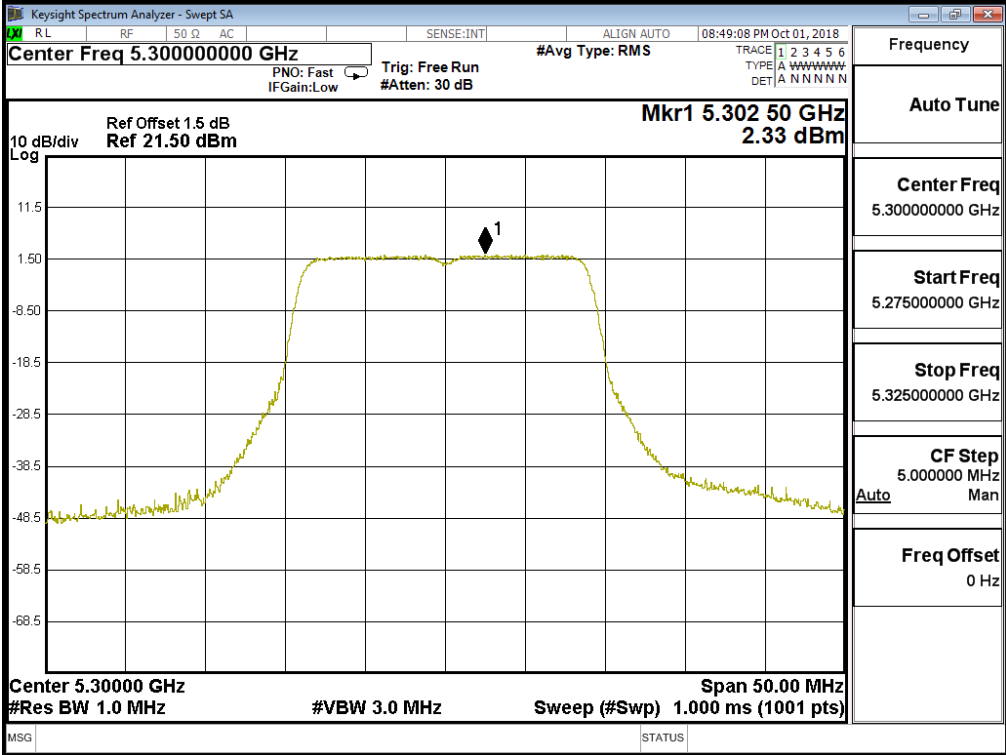
Channel 52 (Chain B)



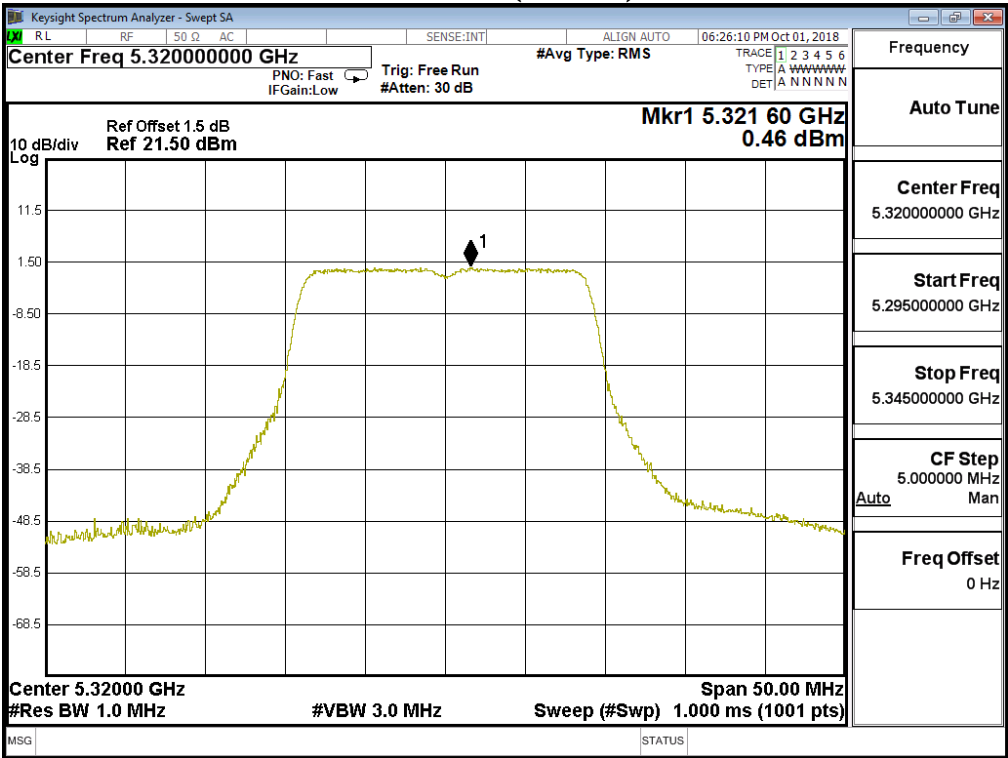
Channel 60 (Chain A)



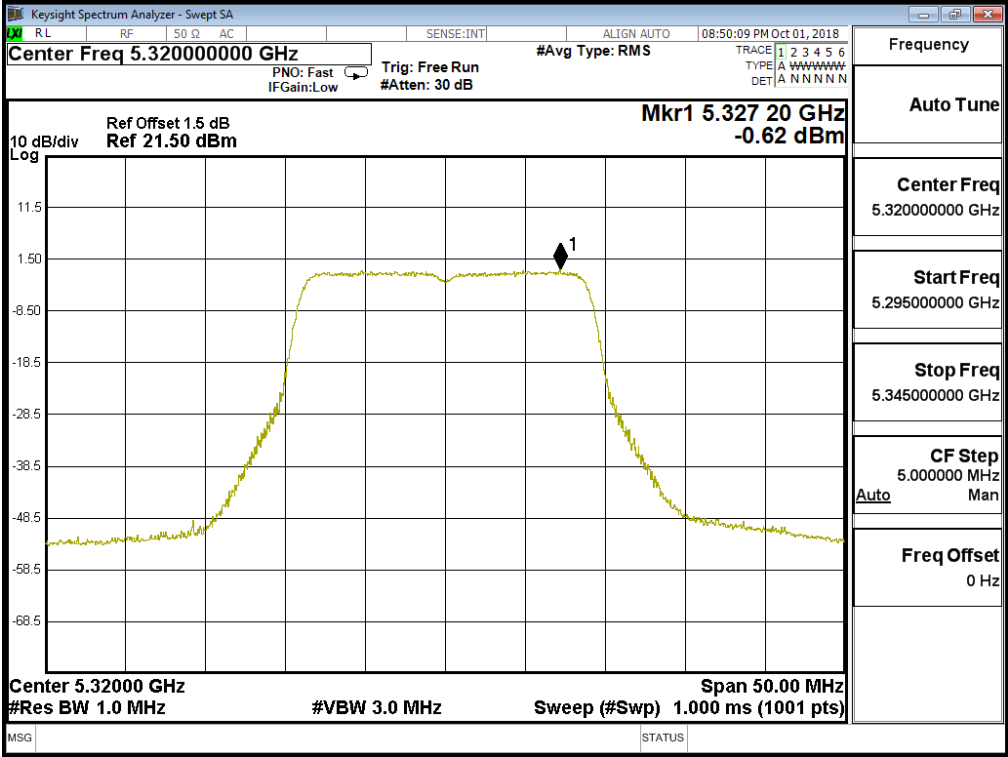
Channel 60 (Chain B)



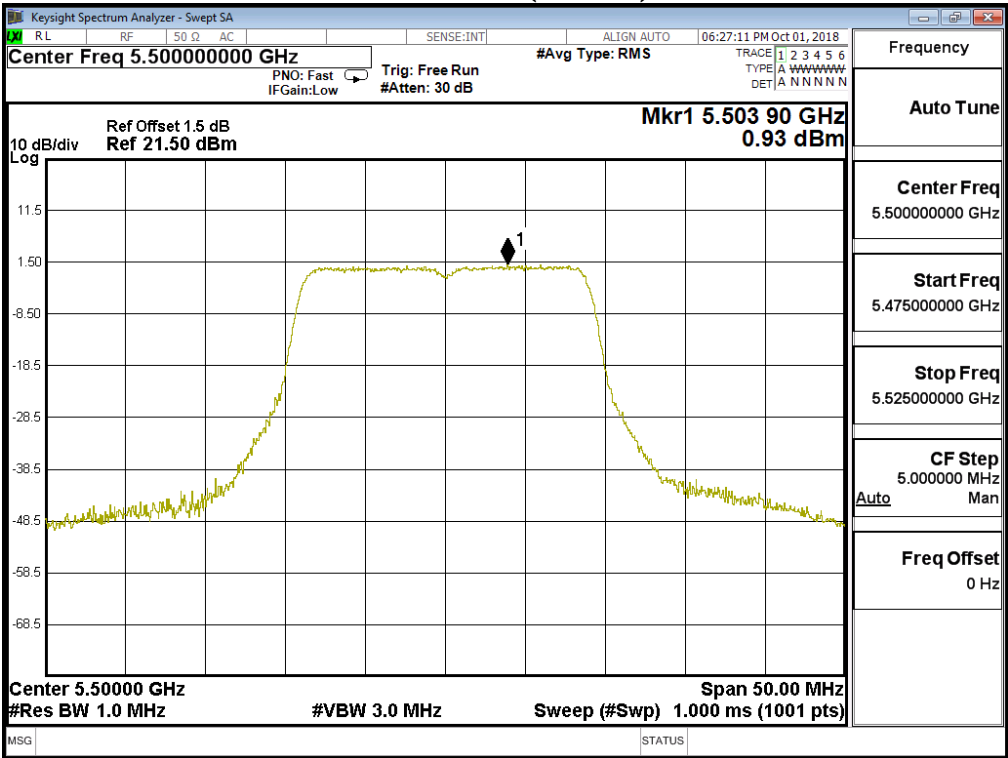
Channel 64 (Chain A)



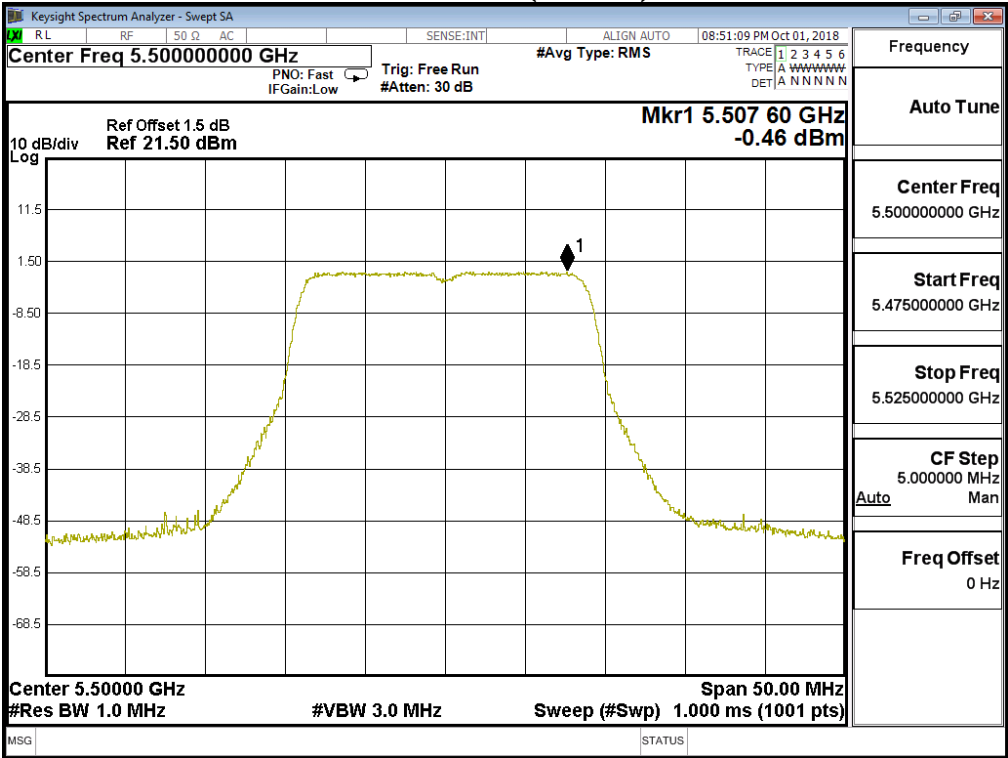
Channel 64 (Chain B)



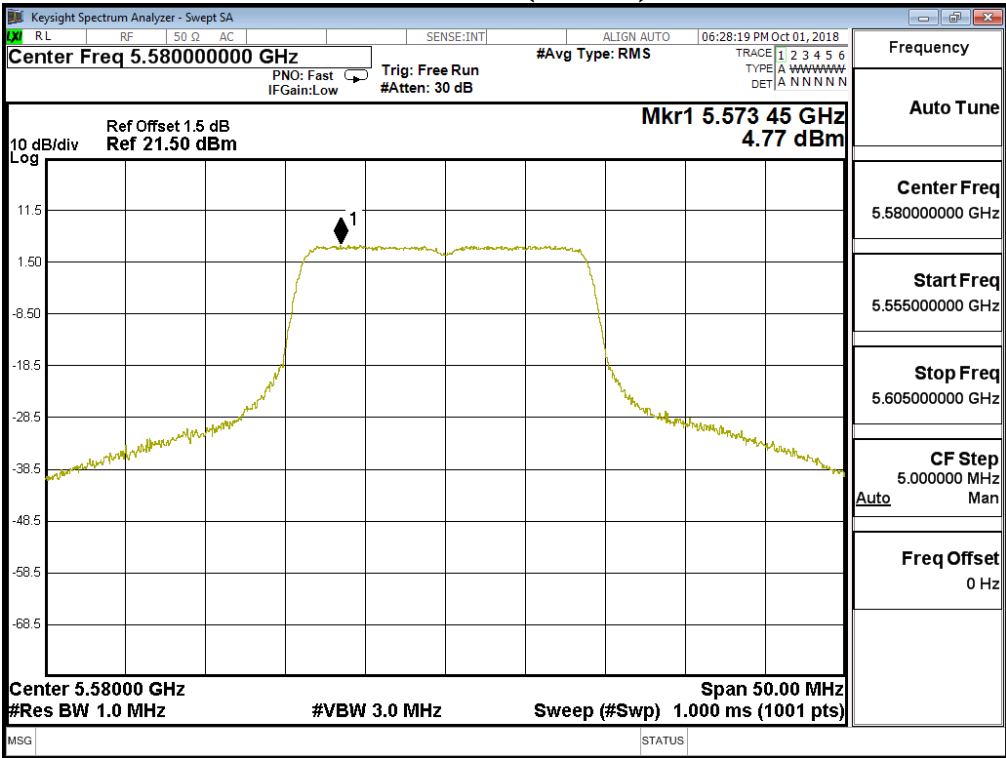
Channel 100 (Chain A)



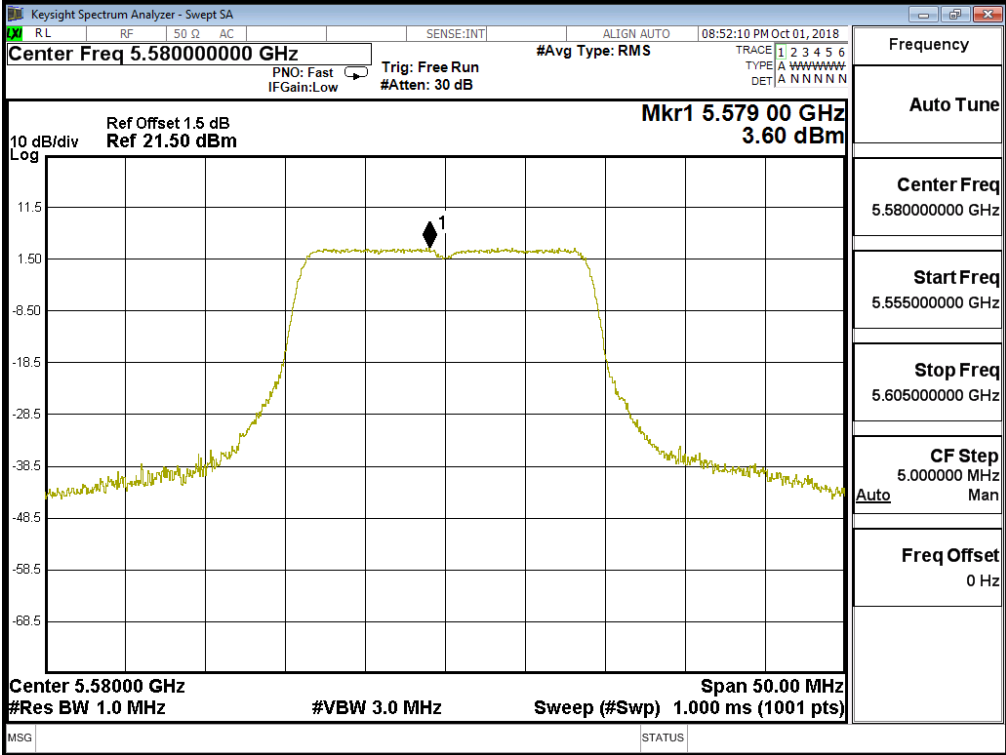
Channel 100 (Chain B)



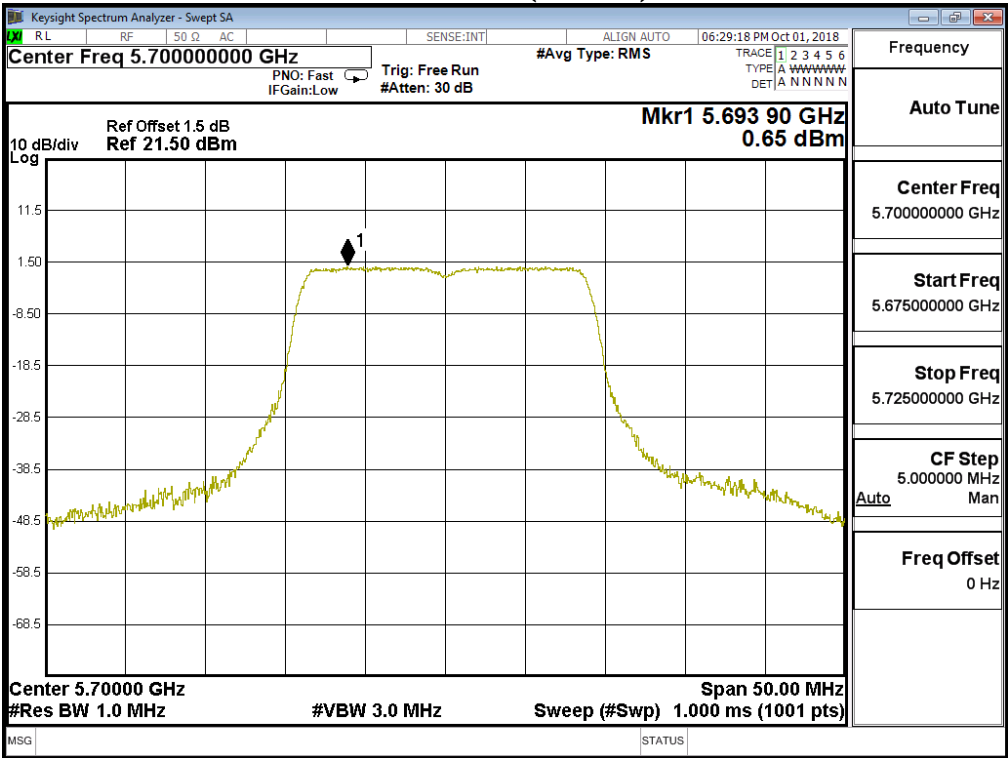
Channel 116 (Chain A)



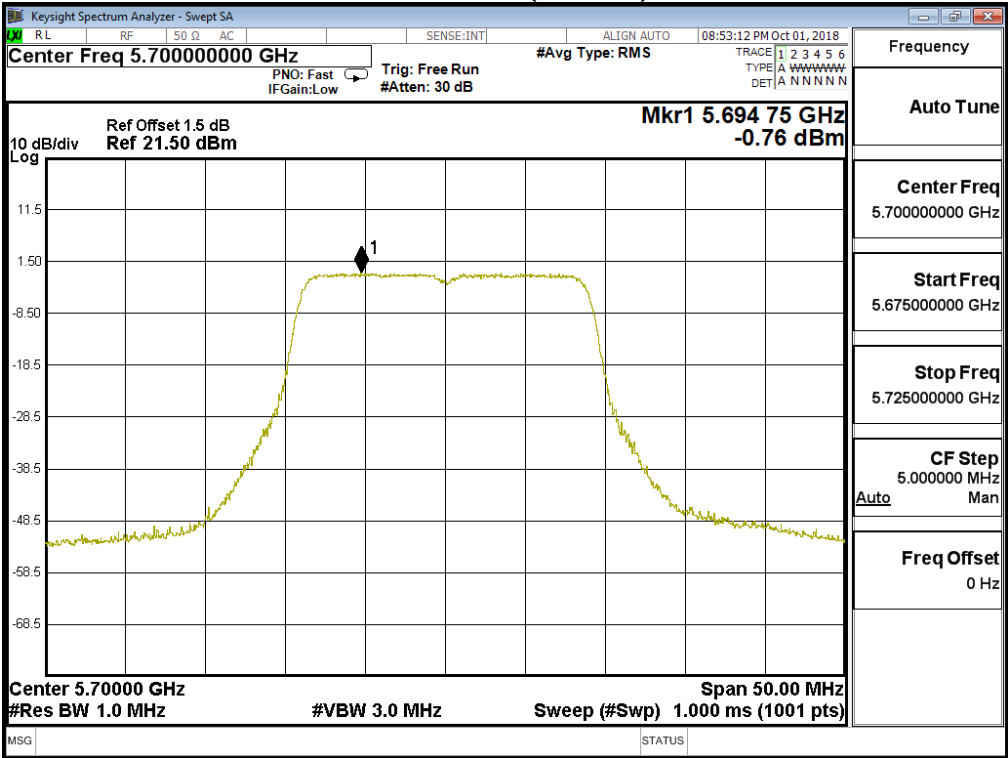
Channel 116 (Chain B)



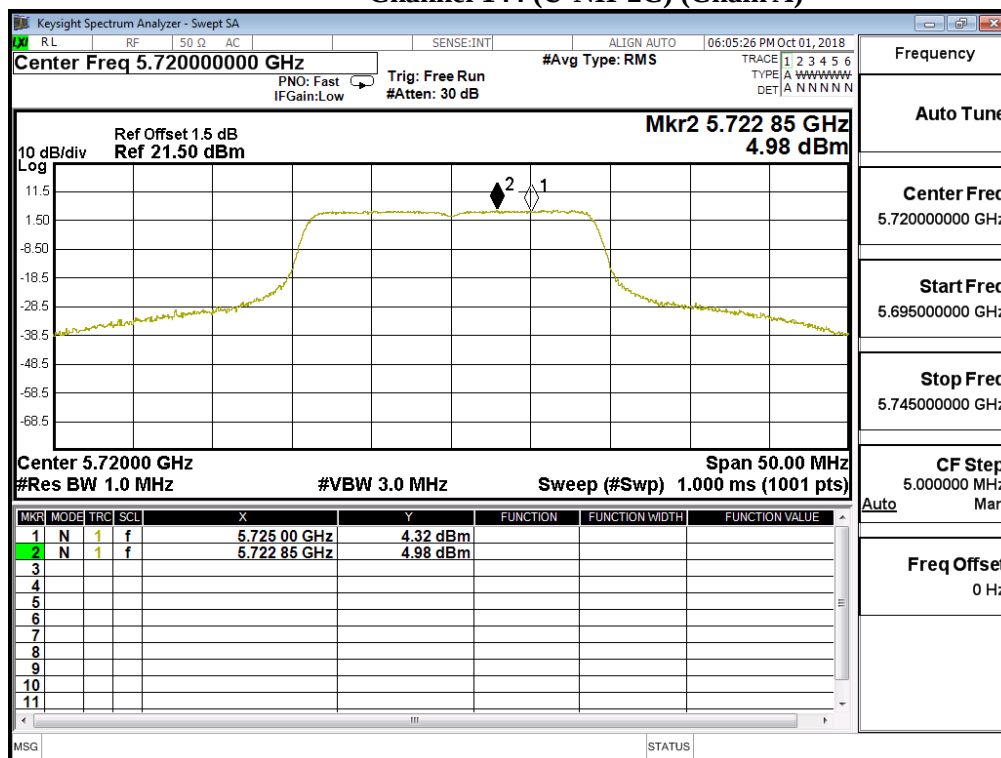
Channel 140 (Chain A)



Channel 140 (Chain B)



## Channel 144 (U-NII-2C) (Chain A)



## Channel 144 (U-NII-2C) (Chain A)

