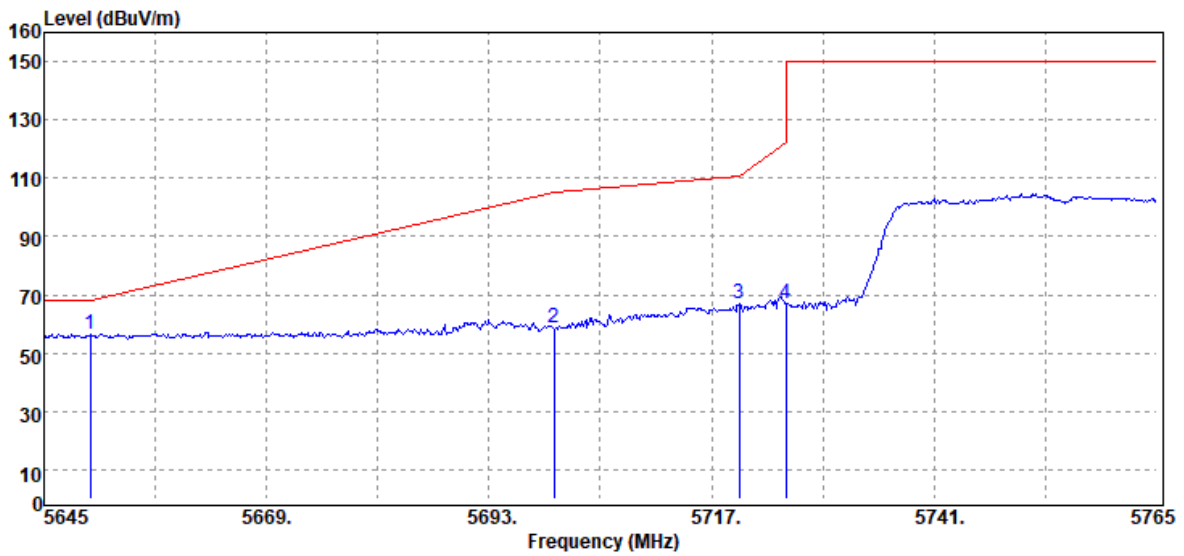
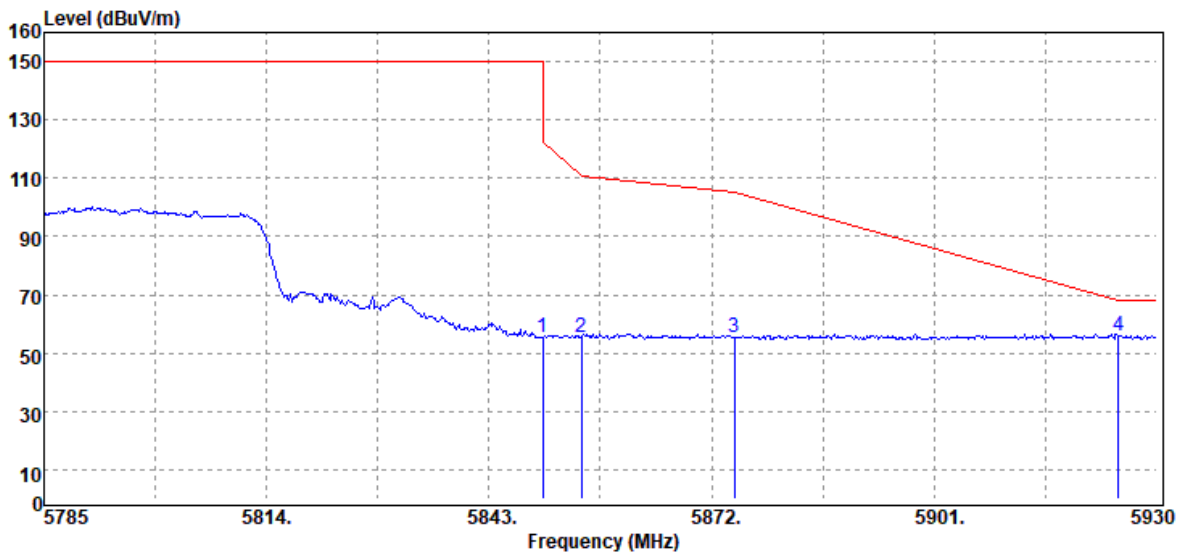


**IEEE 802.11n HT40 MHz Mode / 5755 MHz / Horizontal**  
**Detector mode: Peak**



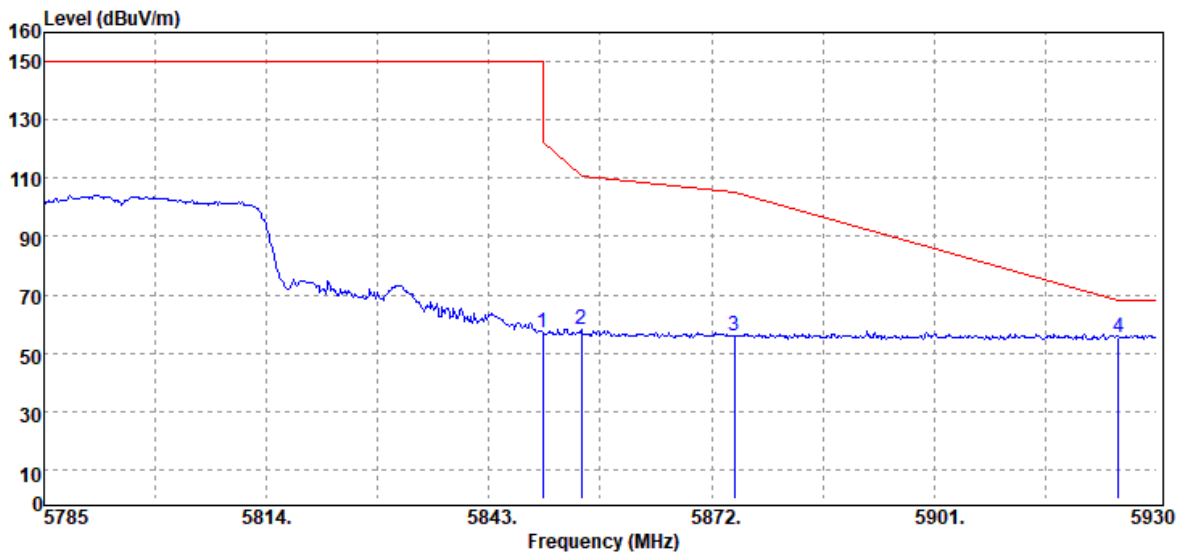
| No. | Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|-----|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 1   | 5650.00      | Peak                         | 50.44                             | 6.04         | 56.48                  | 68.20                  | -11.72       |
| 2   | 5700.00      | Peak                         | 52.21                             | 6.32         | 58.53                  | 105.20                 | -46.67       |
| 3   | 5720.00      | Peak                         | 60.41                             | 6.33         | 66.74                  | 110.80                 | -44.06       |
| 4   | 5725.00      | Peak                         | 60.61                             | 6.34         | 66.95                  | 122.20                 | -55.25       |

**IEEE 802.11n HT40 MHz Mode / 5795 MHz / Vertical**  
**Detector mode: Peak**



| No. | Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|-----|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 1   | 5850.00      | Peak                         | 49.05                             | 6.39         | 55.44                  | 122.20                 | -66.76       |
| 2   | 5855.00      | Peak                         | 49.23                             | 6.38         | 55.61                  | 110.80                 | -55.19       |
| 3   | 5875.00      | Peak                         | 48.95                             | 6.37         | 55.32                  | 105.20                 | -49.88       |
| 4   | 5925.00      | Peak                         | 49.41                             | 6.42         | 55.83                  | 68.20                  | -12.37       |

**IEEE 802.11n HT40 MHz Mode / 5795 MHz / Horizontal**  
**Detector mode: Peak**



| No. | Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|-----|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 1   | 5850.00      | Peak                         | 50.69                             | 6.39         | 57.08                  | 122.20                 | -65.12       |
| 2   | 5855.00      | Peak                         | 51.52                             | 6.38         | 57.90                  | 110.80                 | -52.90       |
| 3   | 5875.00      | Peak                         | 49.41                             | 6.37         | 55.78                  | 105.20                 | -49.42       |
| 4   | 5925.00      | Peak                         | 49.20                             | 6.42         | 55.62                  | 68.20                  | -12.58       |

## 8 26dB 頻寬測試

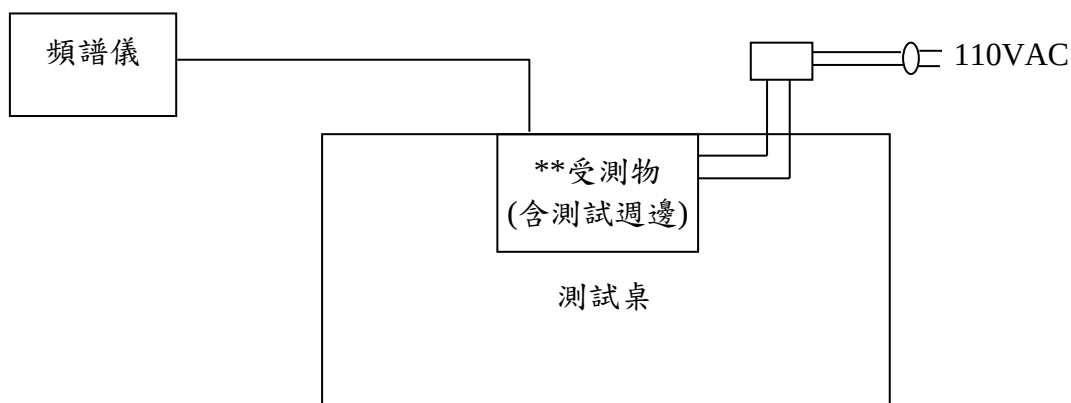
### 8.1 適用標準

對使用無線資訊傳輸設備低功率發射機，依據國家通訊傳播委員會低功率射頻電機技術規範 4.7.3.4 節之規定實施 26dB 頻寬測試。

### 8.2 測試方法

測量時，頻譜分析儀之解析頻寬為 26dB 頻寬之 1% ~ 3%，視訊頻寬不小於解析頻寬。為求得精確測量，頻率掃描範圍(Span)遠大於解析頻寬。

### 8.3 發射頻寬之測試配置



註: \*\*請參照 3.2 節

Report No.: T190725W05-RD4

#### 8.4 發射頻寬之量測結果

##### Band I

Test mode: IEEE 802.11a mode

| Channel | Frequency (MHz) | Chain 0 Bandwidth (MHz) |
|---------|-----------------|-------------------------|
| 36      | 5180            | 21.5217                 |
| 44      | 5220            | 21.4493                 |
| 48      | 5240            | 21.4493                 |

Test mode: IEEE 802.11n HT 20 MHz mode

| Channel | Frequency (MHz) | Chain 0 Bandwidth (MHz) |
|---------|-----------------|-------------------------|
| 36      | 5180            | 21.5942                 |
| 44      | 5220            | 21.7391                 |
| 48      | 5240            | 21.8116                 |

Test mode: IEEE 802.11n HT 40 MHz mode

| Channel | Frequency (MHz) | Chain 0 Bandwidth (MHz) |
|---------|-----------------|-------------------------|
| 38      | 5190            | 41.391                  |
| 46      | 5230            | 41.159                  |

## Band II

### Test mode: IEEE 802.11a mode

| Channel | Frequency (MHz) | Chain 0 Bandwidth (MHz) |
|---------|-----------------|-------------------------|
| 52      | 5260            | 21.4493                 |
| 56      | 5280            | 21.4493                 |
| 64      | 5320            | 21.3768                 |

### Test mode: IEEE 802.11n HT 20 MHz mode

| Channel | Frequency (MHz) | Chain 0 Bandwidth (MHz) |
|---------|-----------------|-------------------------|
| 52      | 5260            | 21.9565                 |
| 56      | 5280            | 21.8116                 |
| 64      | 5320            | 21.8116                 |

### Test mode: IEEE 802.11n HT 40 MHz mode

| Channel | Frequency (MHz) | Chain 0 Bandwidth (MHz) |
|---------|-----------------|-------------------------|
| 54      | 5270            | 41.159                  |
| 62      | 5310            | 41.159                  |

### Band III

#### Test mode: IEEE 802.11a mode

| Channel | Frequency (MHz) | Chain 0 Bandwidth (MHz) |
|---------|-----------------|-------------------------|
| 100     | 5500            | 21.4493                 |
| 116     | 5580            | 21.5217                 |
| 140     | 5700            | 21.5942                 |

#### Test mode: IEEE 802.11n HT 20 MHz mode

| Channel | Frequency (MHz) | Chain 0 Bandwidth (MHz) |
|---------|-----------------|-------------------------|
| 100     | 5500            | 21.8841                 |
| 116     | 5580            | 21.7391                 |
| 140     | 5700            | 21.8116                 |

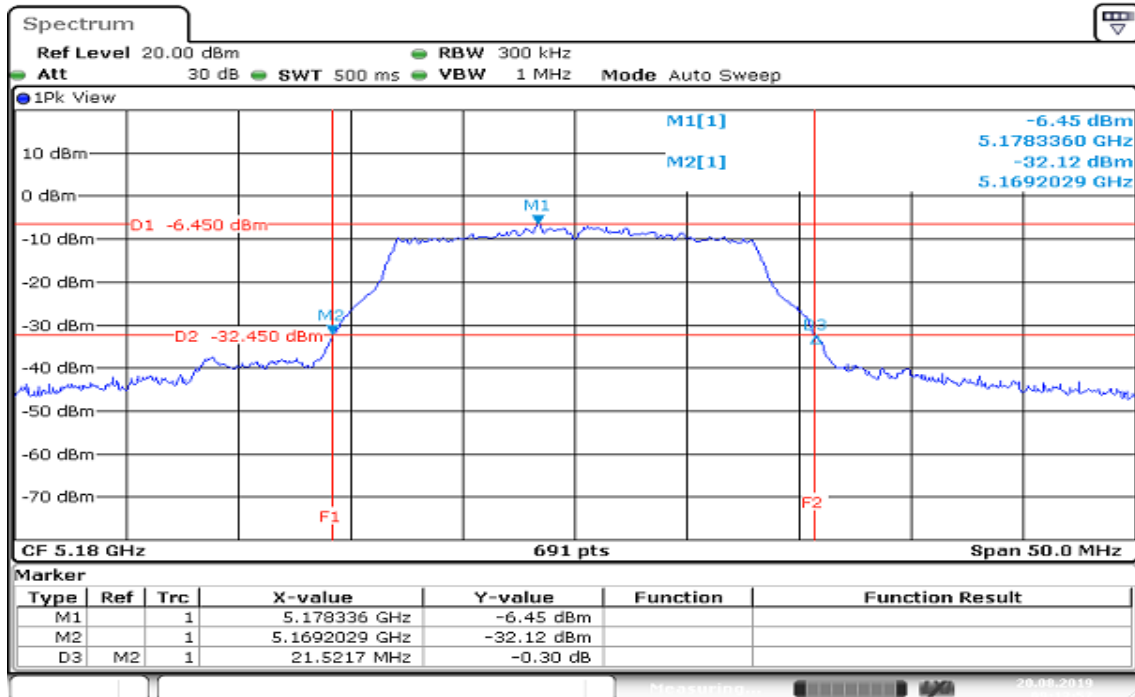
#### Test mode: IEEE 802.11n HT 40 MHz mode

| Channel | Frequency (MHz) | Chain 0 Bandwidth (MHz) |
|---------|-----------------|-------------------------|
| 102     | 5510            | 41.275                  |
| 110     | 5550            | 41.043                  |
| 134     | 5670            | 40.928                  |

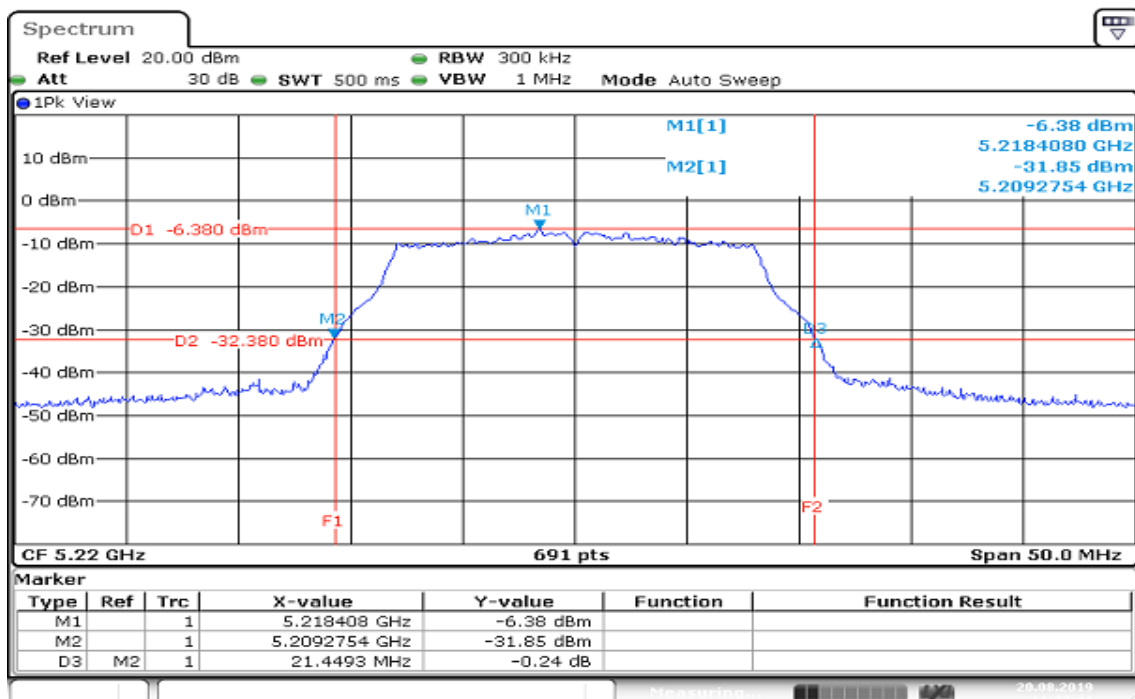
Report No.: T190725W05-RD4

## Band I

### 發射頻寬量測值 IEEE 802.11a Mode / 5180MHz / Chain 0

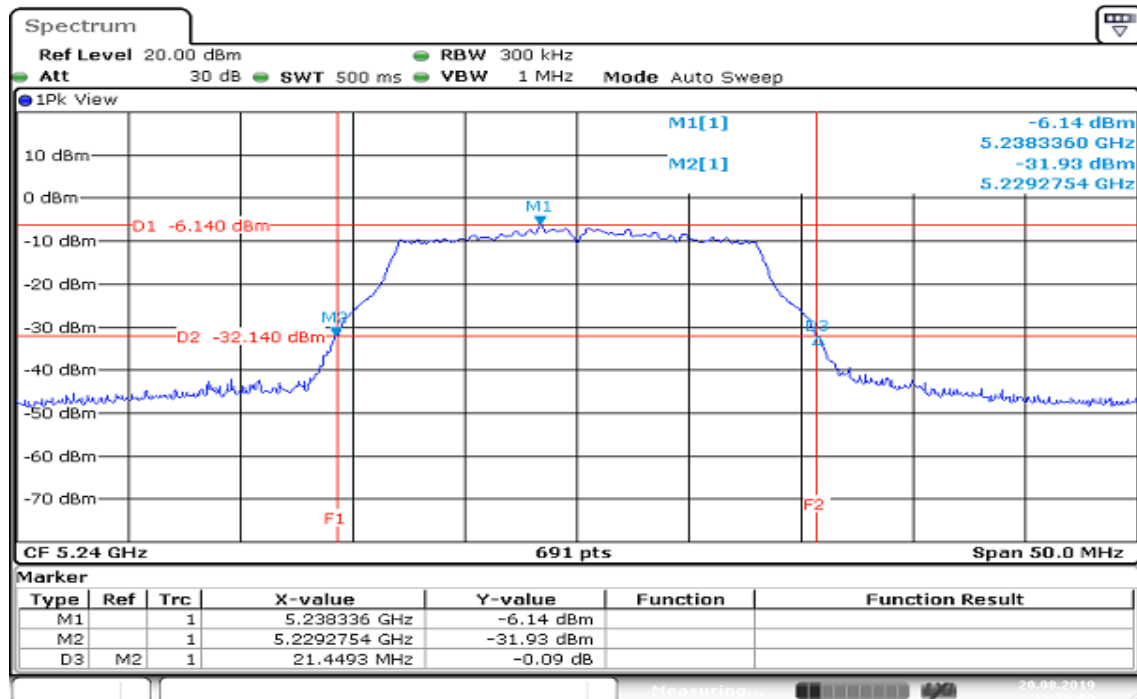


### 發射頻寬量測值 IEEE 802.11a Mode / 5220MHz / Chain 0



Report No.: T190725W05-RD4

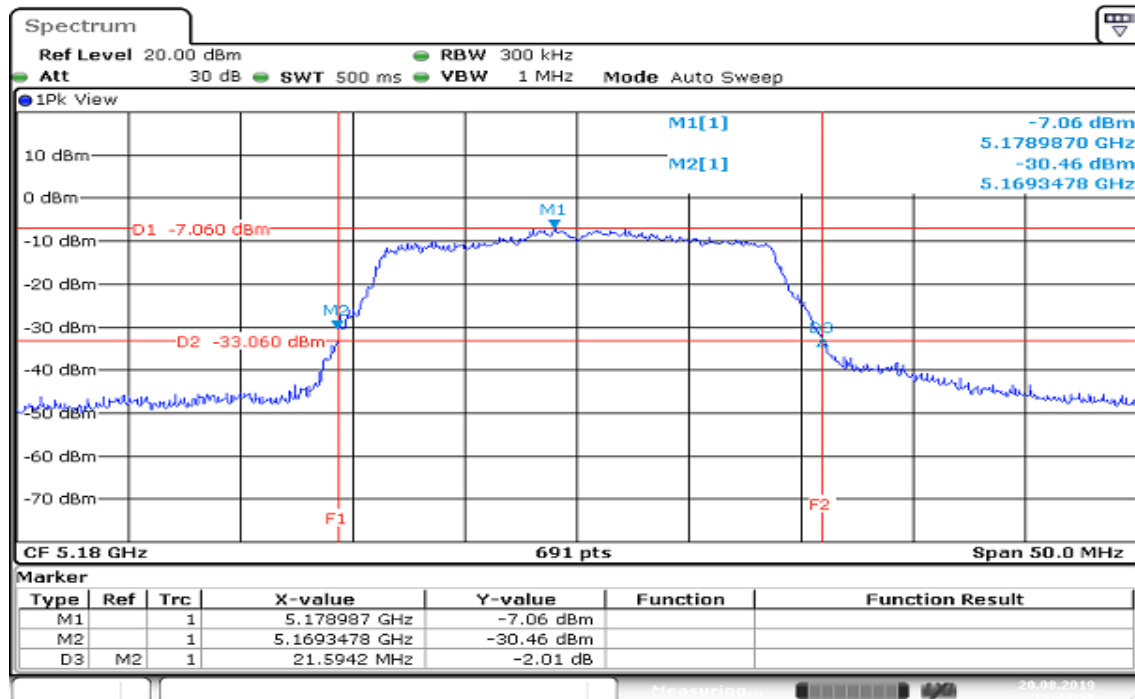
## 發射頻寬量測值 IEEE 802.11a Mode / 5240MHz / Chain 0



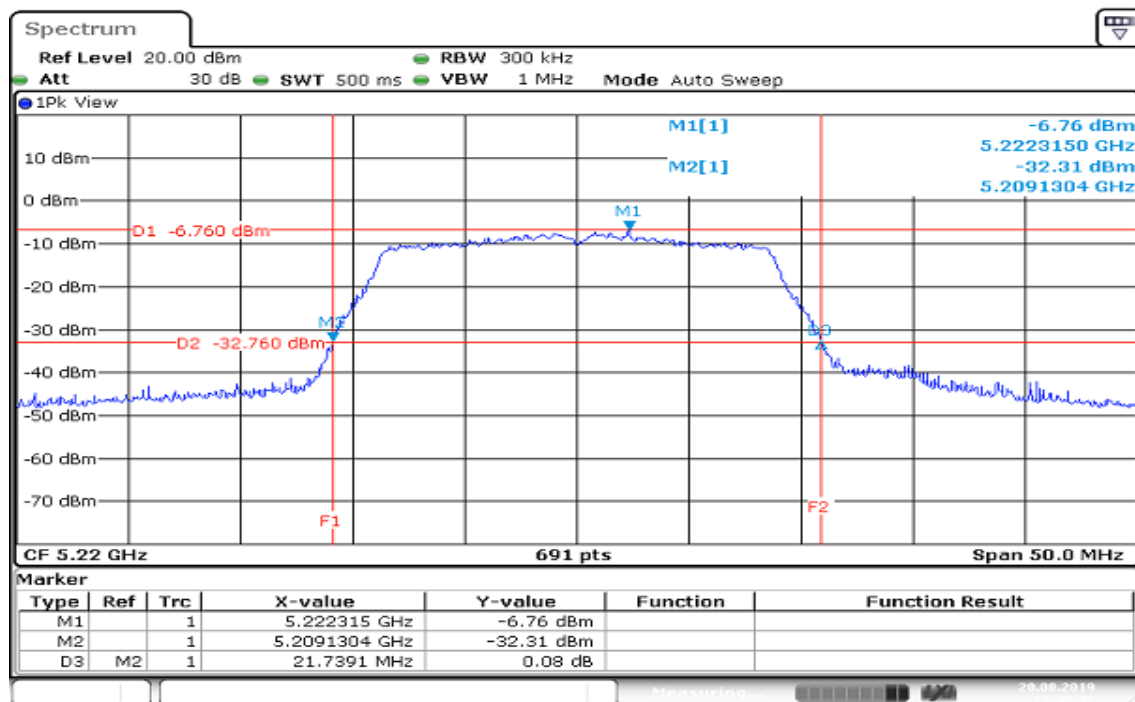
Date: 20.AUG.2019 11:26:06

Report No.: T190725W05-RD4

## 發射頻寬量測值 IEEE 802.11n HT20 MHz Mode / 5180MHz / Chain 0

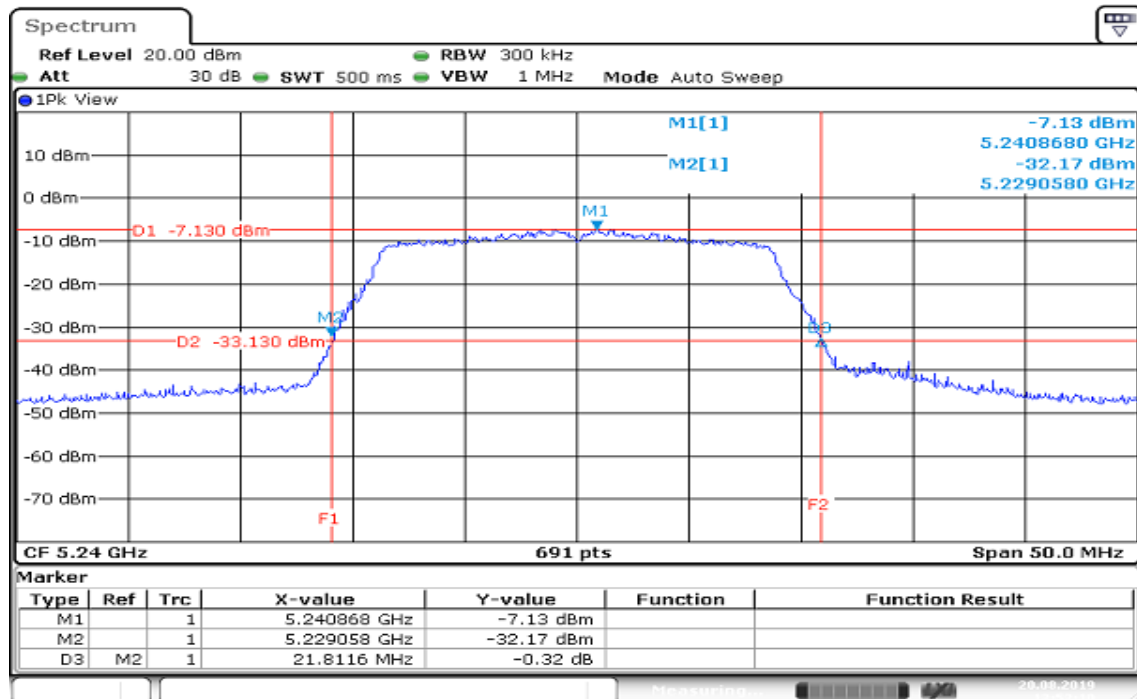


## 發射頻寬量測值 IEEE 802.11n HT20 MHz Mode / 5220MHz / Chain 0



Report No.: T190725W05-RD4

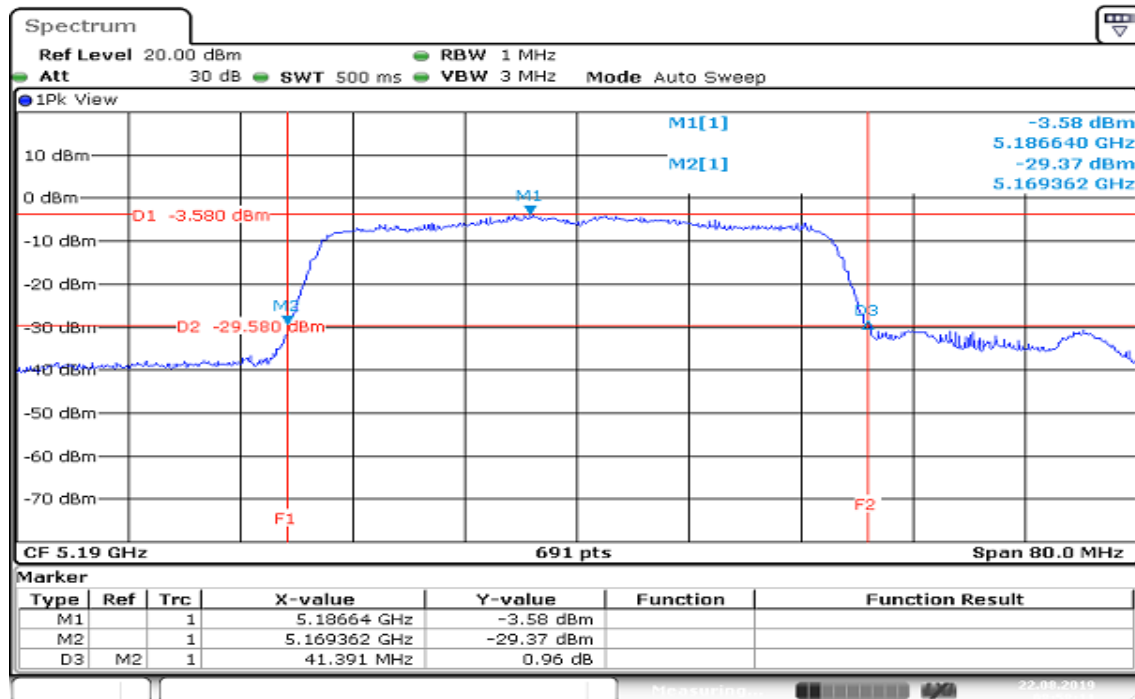
## 發射頻寬量測值 IEEE 802.11n HT20 MHz Mode / 5240MHz / Chain 0



Date: 20.AUG.2019 13:53:11

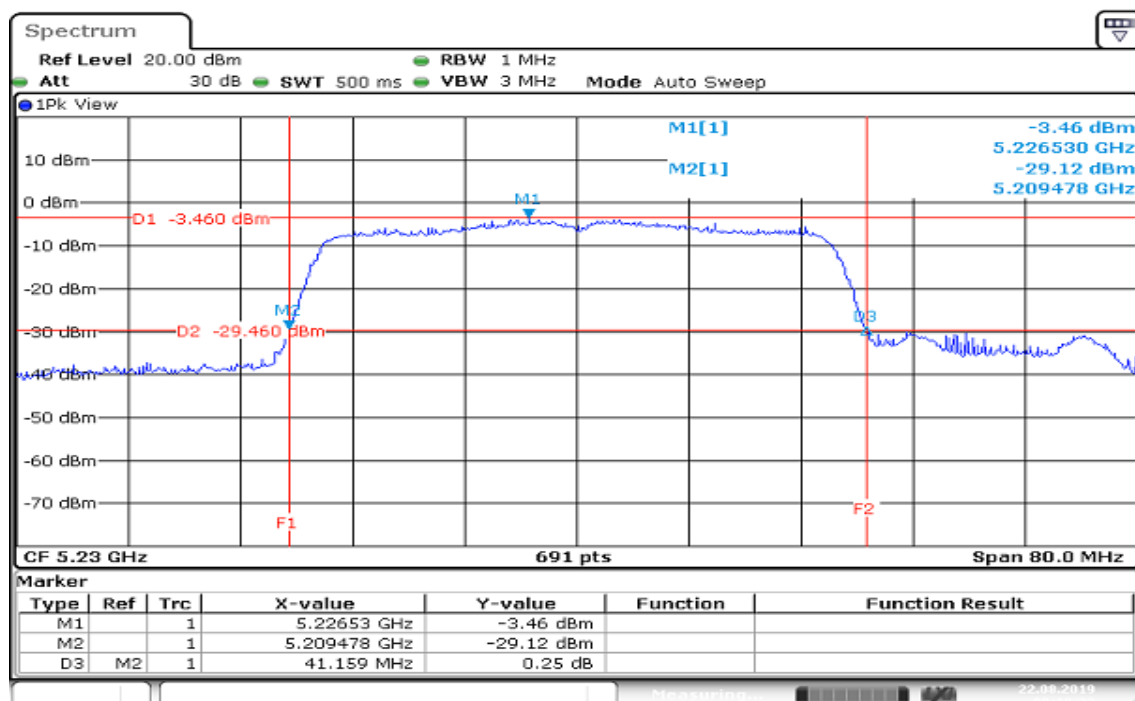
Report No.: T190725W05-RD4

## 發射頻寬量測值 IEEE 802.11n HT40 MHz Mode / 5190MHz / Chain 0



Date: 22.AUG.2019 08:58:12

## 發射頻寬量測值 IEEE 802.11n HT40 MHz Mode / 5230MHz / Chain 0

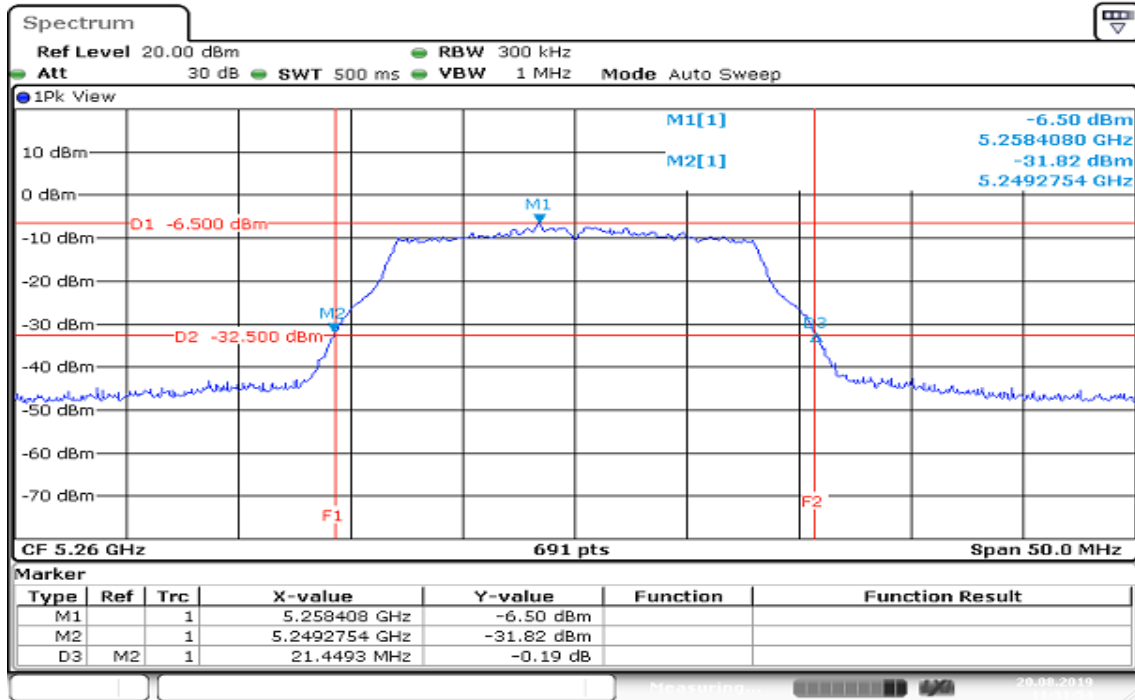


Date: 22.AUG.2019 09:10:23

Report No.: T190725W05-RD4

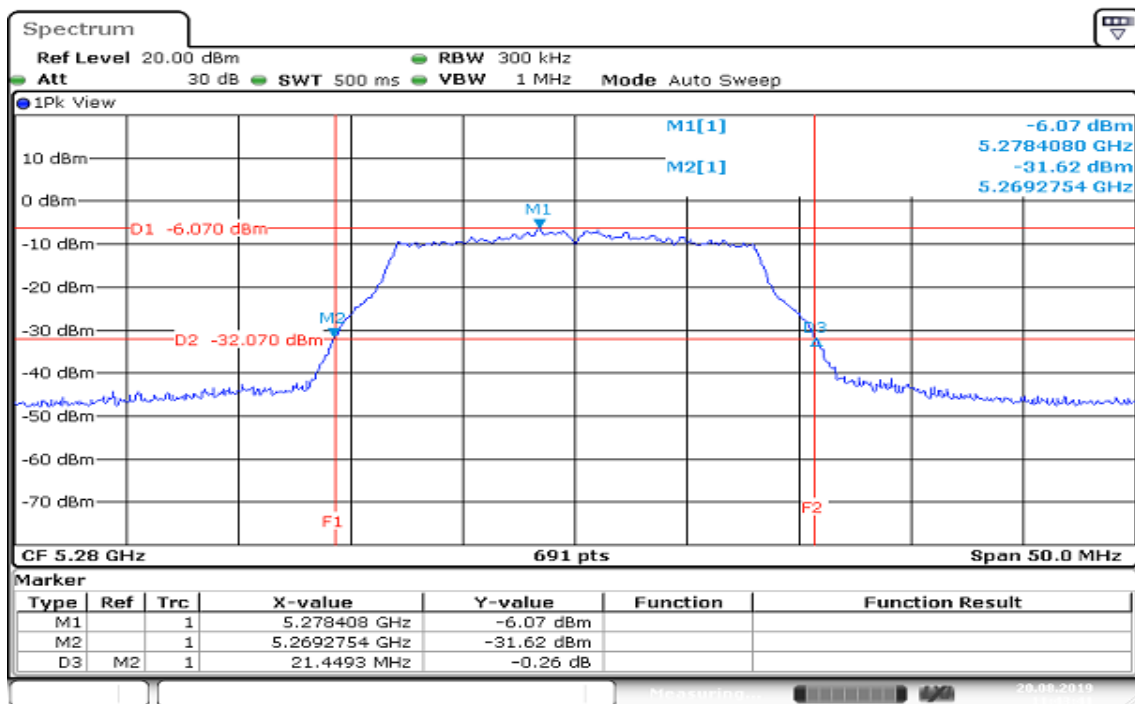
## Band II

### 發射頻寬量測值 IEEE 802.11a Mode / 5260MHz / Chain 0



Date: 20.AUG.2019 11:31:54

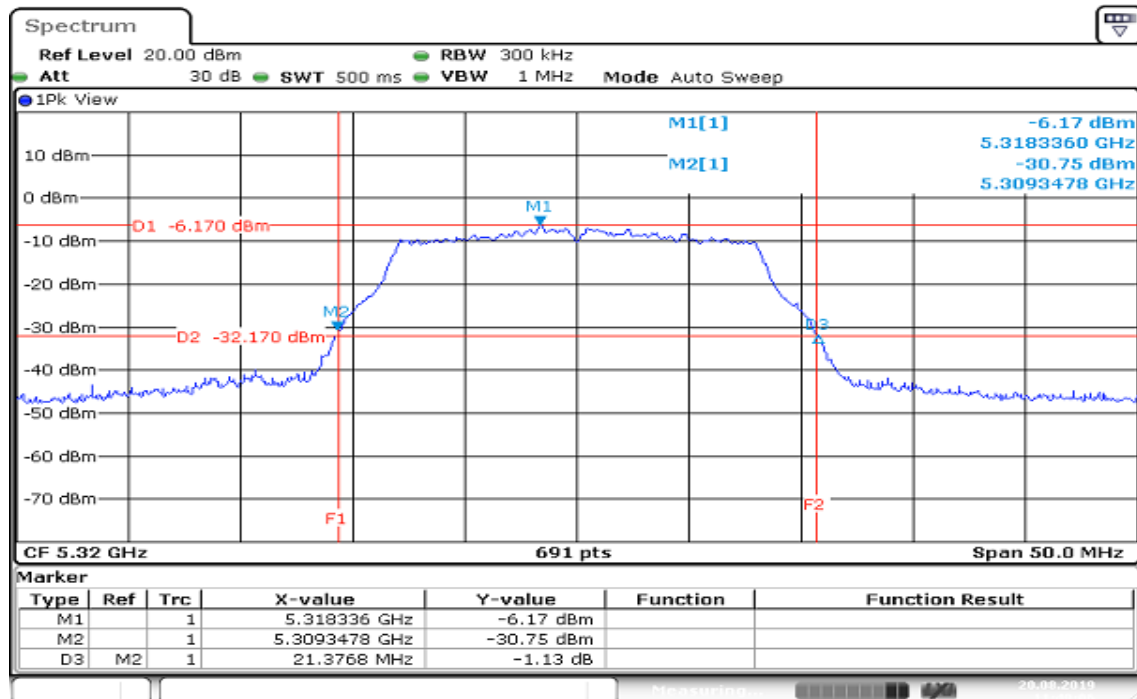
### 發射頻寬量測值 IEEE 802.11a Mode / 5280MHz / Chain 0



Date: 20.AUG.2019 11:43:41

Report No.: T190725W05-RD4

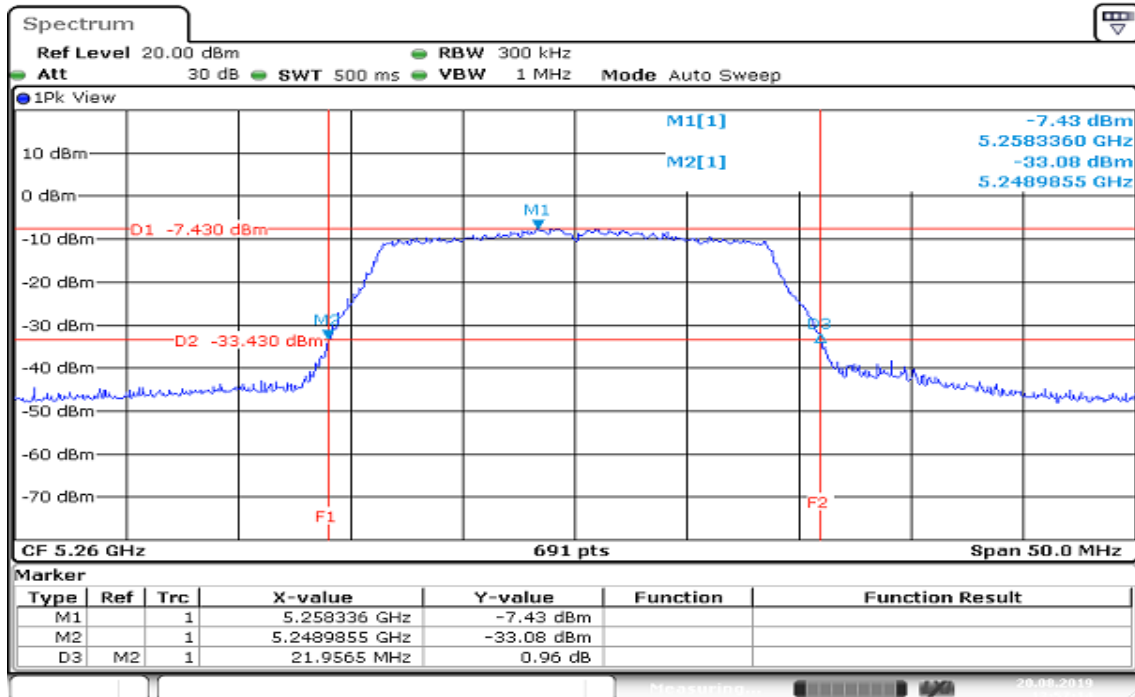
## 發射頻寬量測值 IEEE 802.11a Mode / 5320MHz / Chain 0



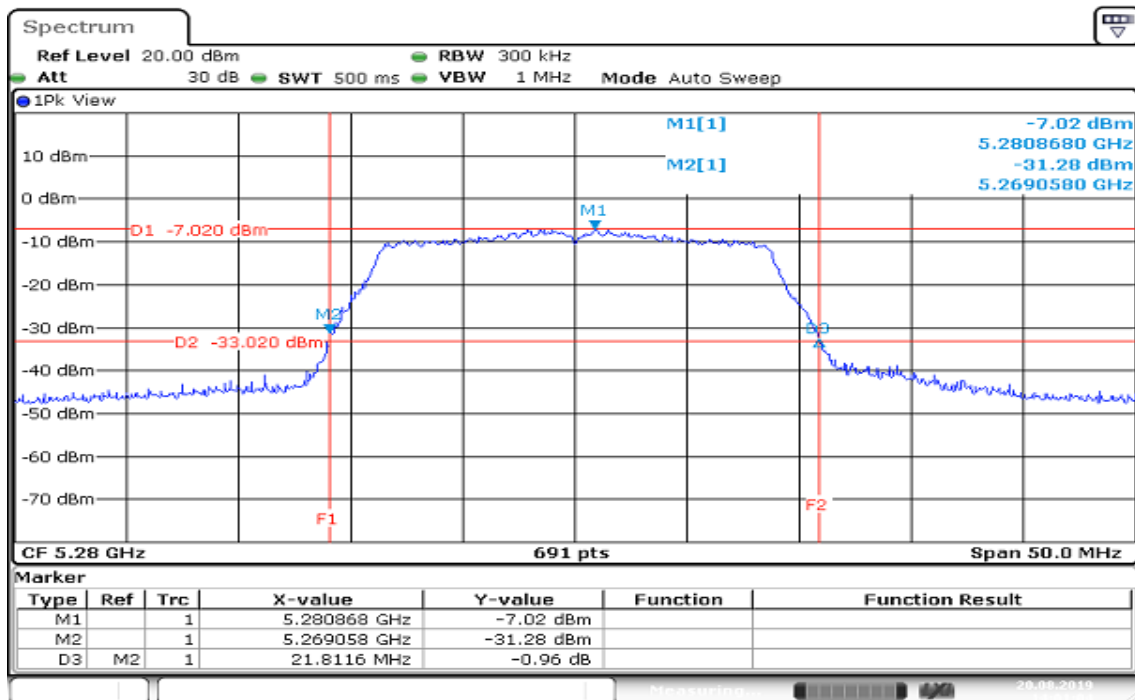
Date: 20.AUG.2019 11:49:06

Report No.: T190725W05-RD4

## 發射頻寬量測值 IEEE 802.11n HT20 MHz Mode / 5260MHz / Chain 0

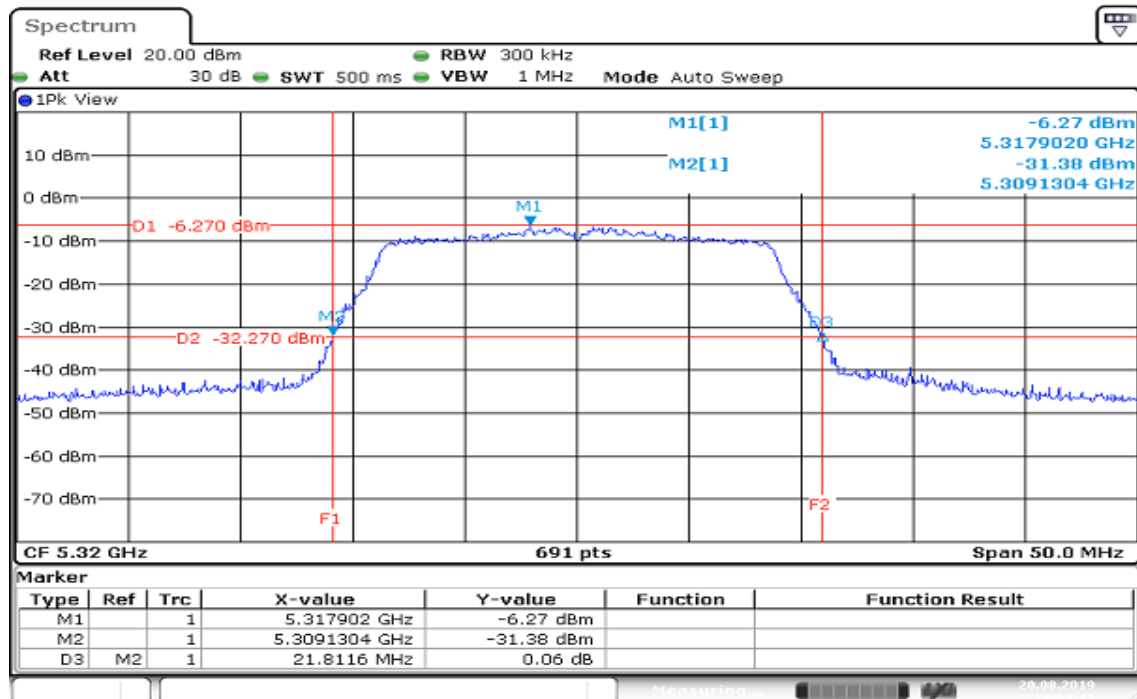


## 發射頻寬量測值 IEEE 802.11n HT20 MHz Mode / 5280MHz / Chain 0



Report No.: T190725W05-RD4

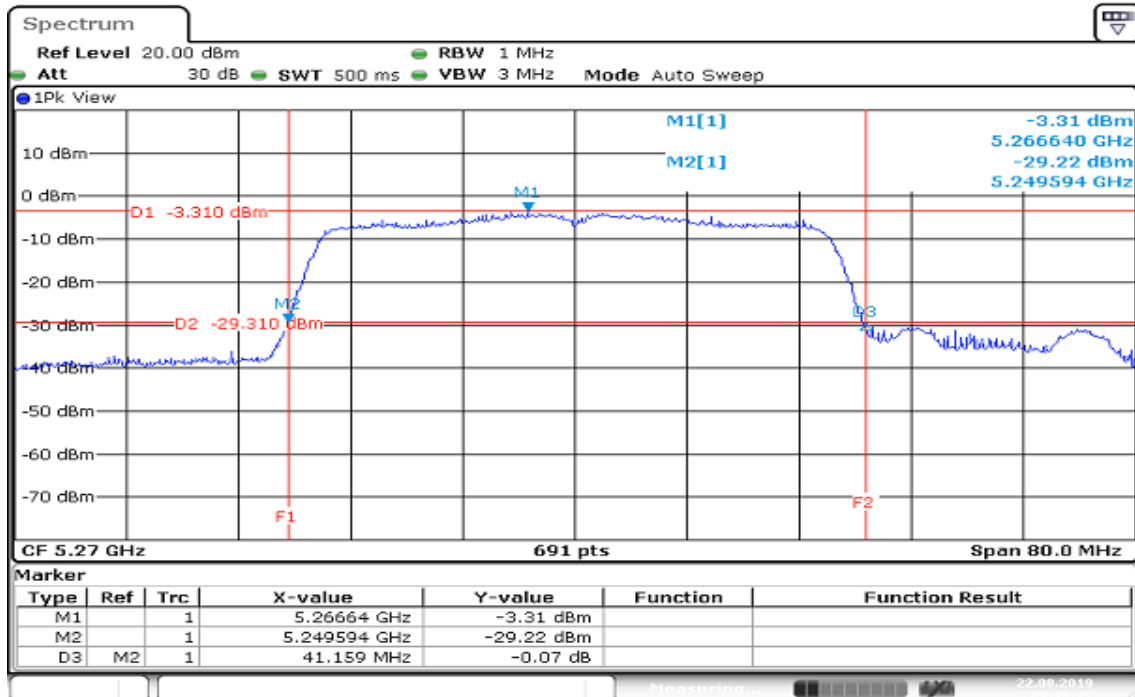
## 發射頻寬量測值 IEEE 802.11n HT20 MHz Mode / 5320MHz / Chain 0



Date: 20.AUG.2019 14:04:34

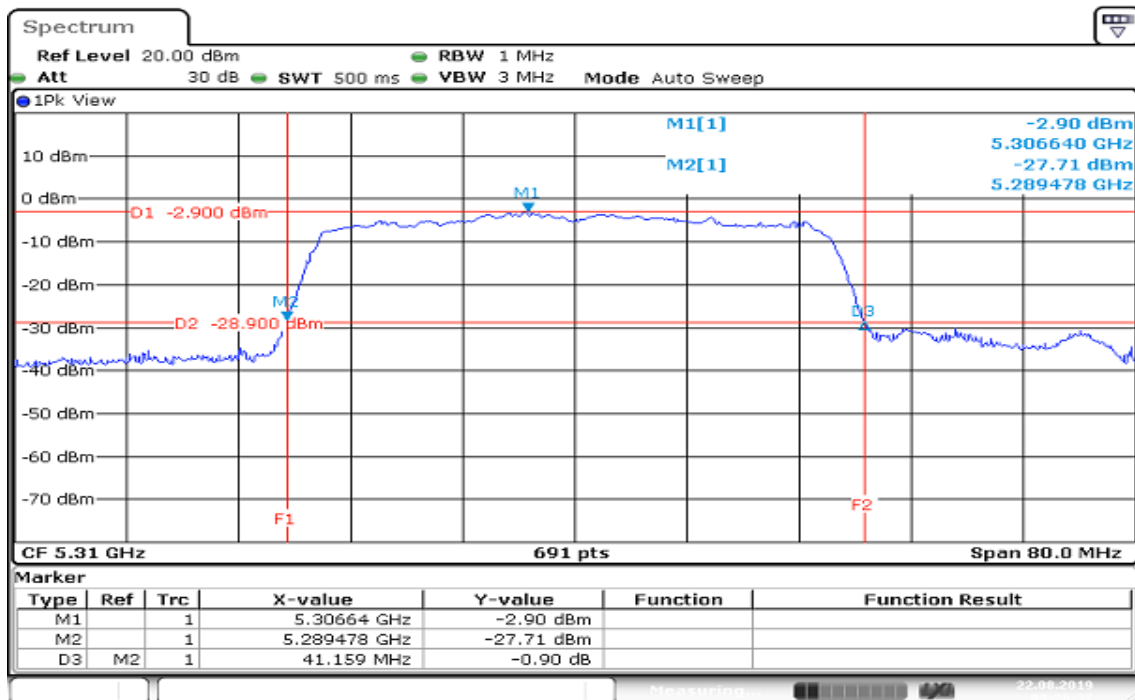
Report No.: T190725W05-RD4

## 發射頻寬量測值 IEEE 802.11n HT40 MHz Mode / 5270MHz / Chain 0



Date: 22.AUG.2019 09:18:13

## 發射頻寬量測值 IEEE 802.11n HT40 MHz Mode / 5310MHz / Chain 0

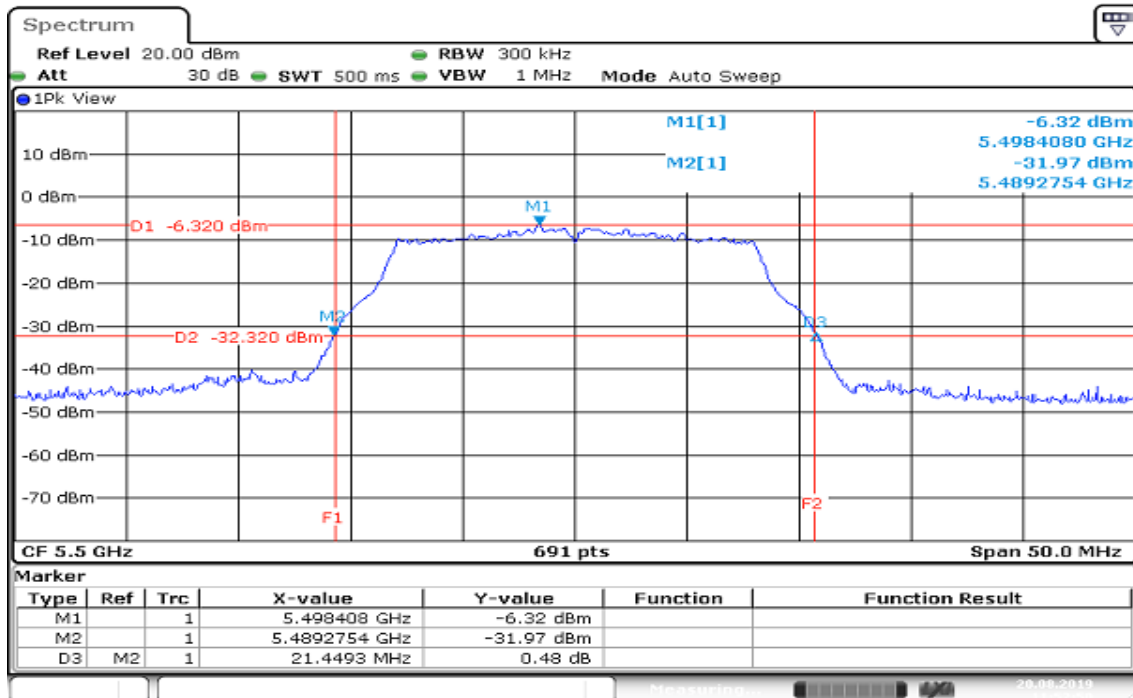


Date: 22.AUG.2019 09:26:38

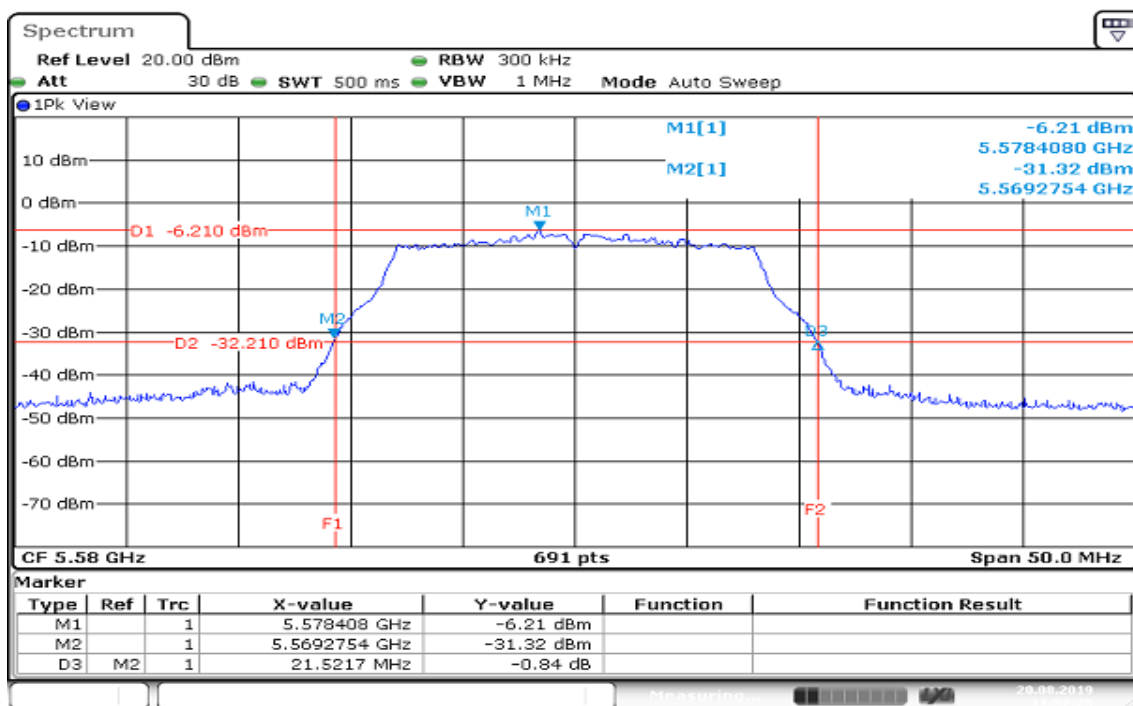
Report No.: T190725W05-RD4

## Band III

## 發射頻寬量測值 IEEE 802.11a Mode / 5500 MHz / Chain 0

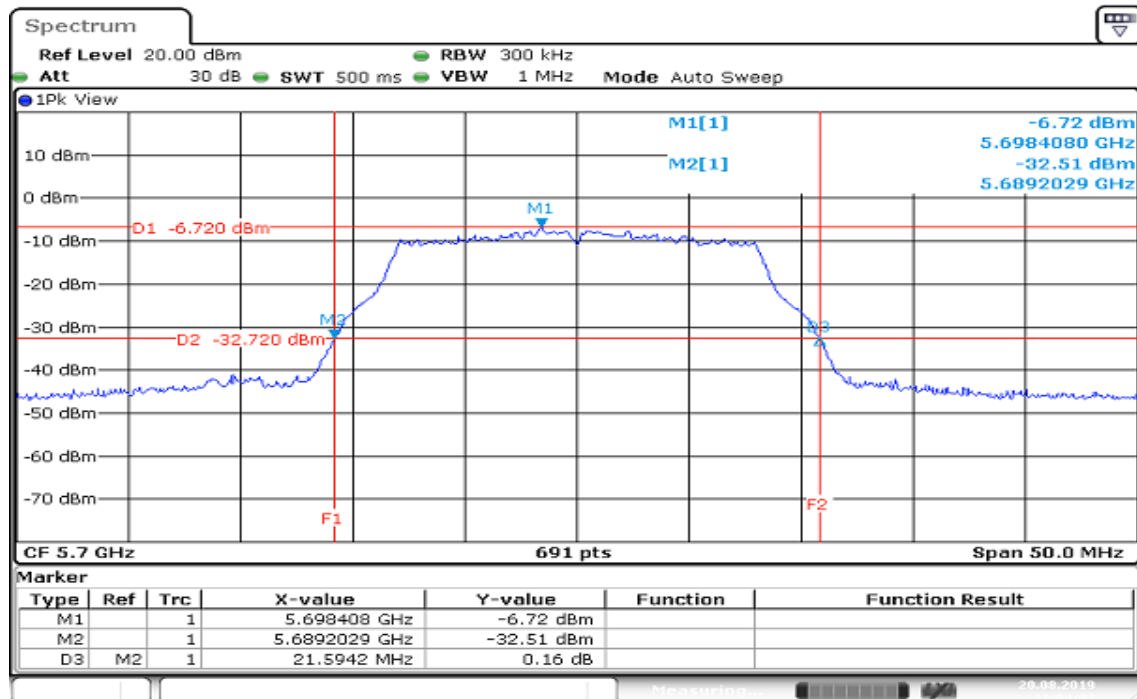


## 發射頻寬量測值 IEEE 802.11a Mode / 5580 MHz / Chain 0



Report No.: T190725W05-RD4

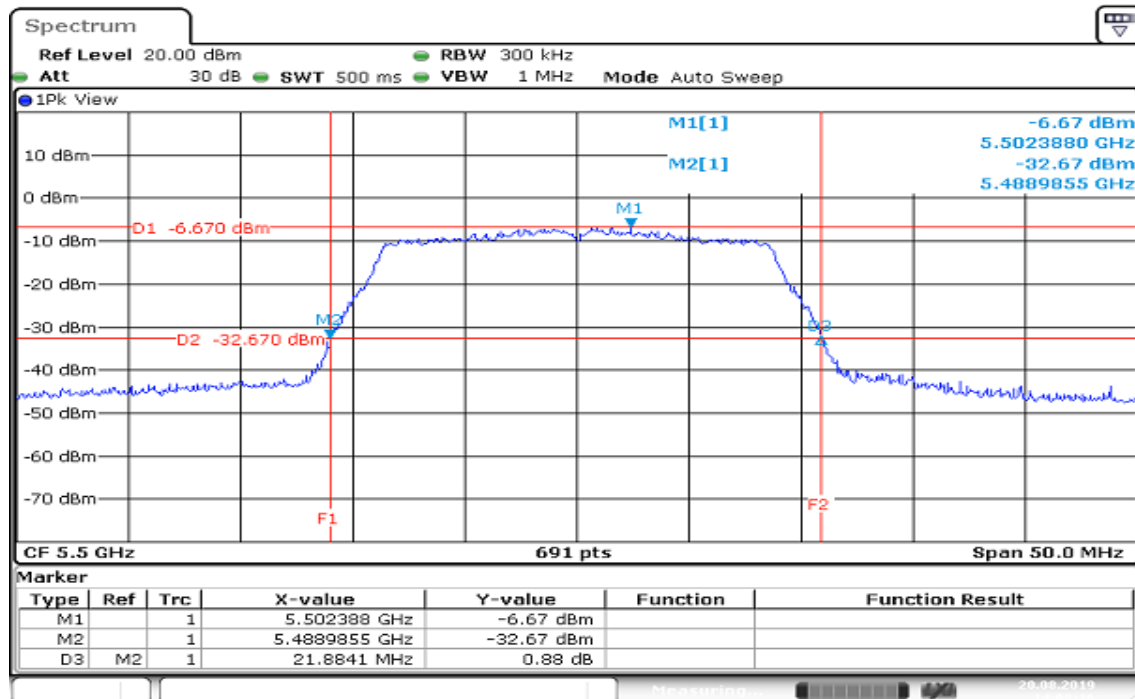
## 發射頻寬量測值 IEEE 802.11a Mode / 5700 MHz / Chain 0



Date: 20.AUG.2019 12:04:43

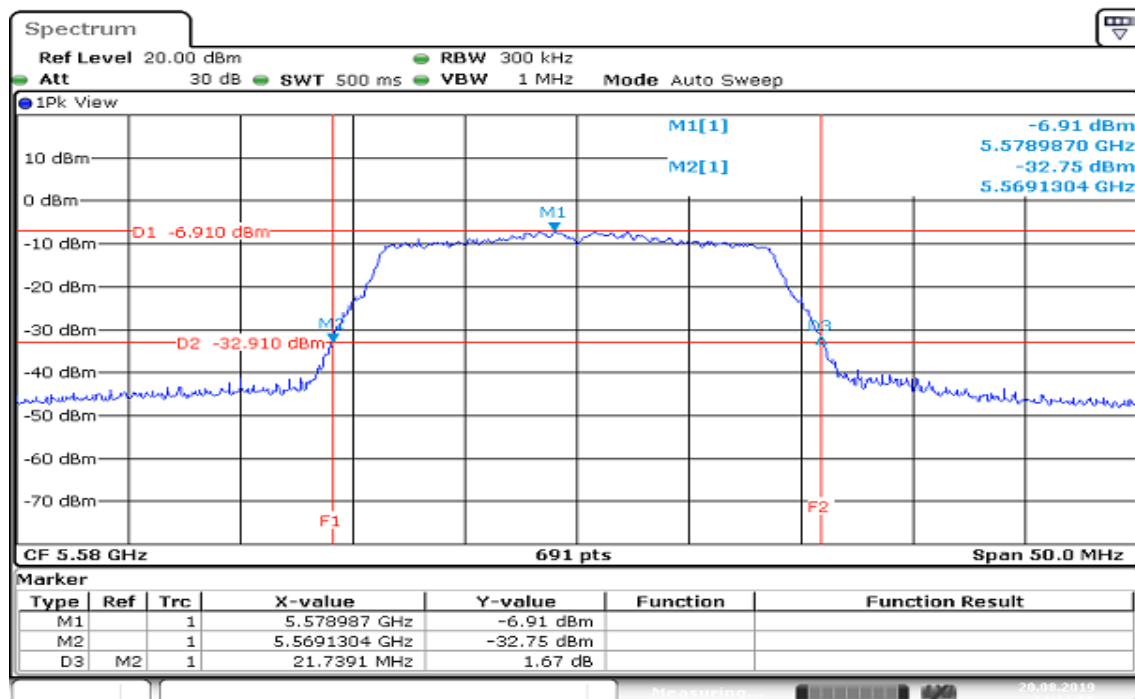
Report No.: T190725W05-RD4

## 發射頻寬量測值 IEEE 802.11n HT20 MHz Mode / 5500MHz / Chain 0



Date: 20.AUG.2019 14:08:17

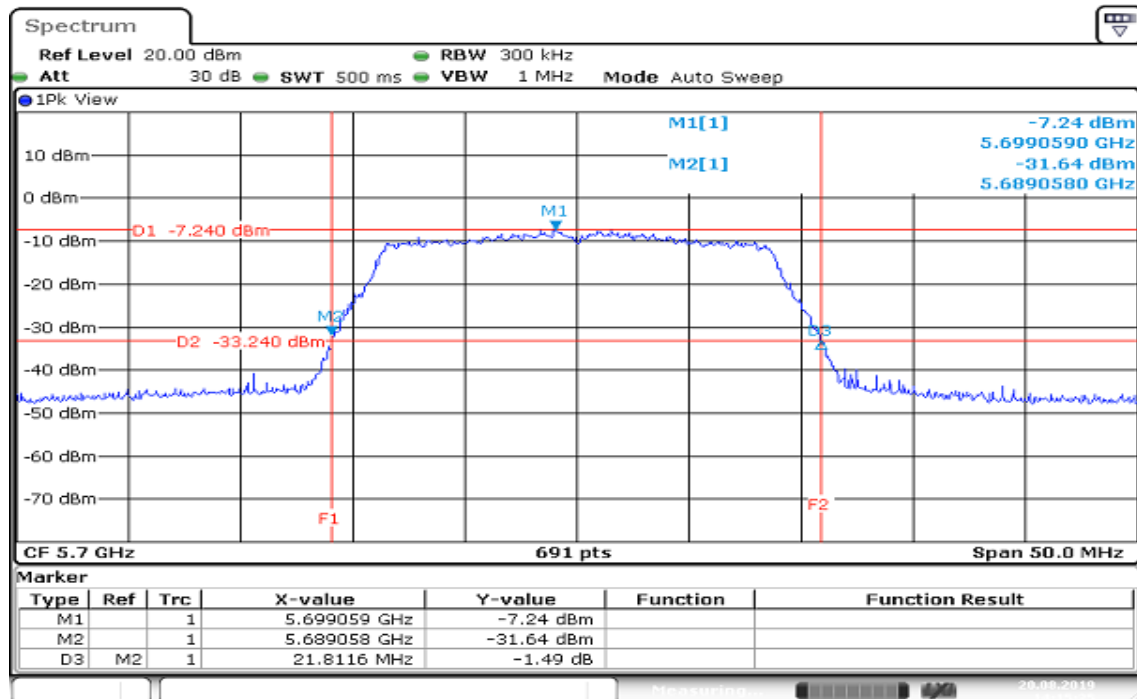
## 發射頻寬量測值 IEEE 802.11n HT20 MHz Mode / 5580MHz / Chain 0



Date: 20.AUG.2019 14:11:55

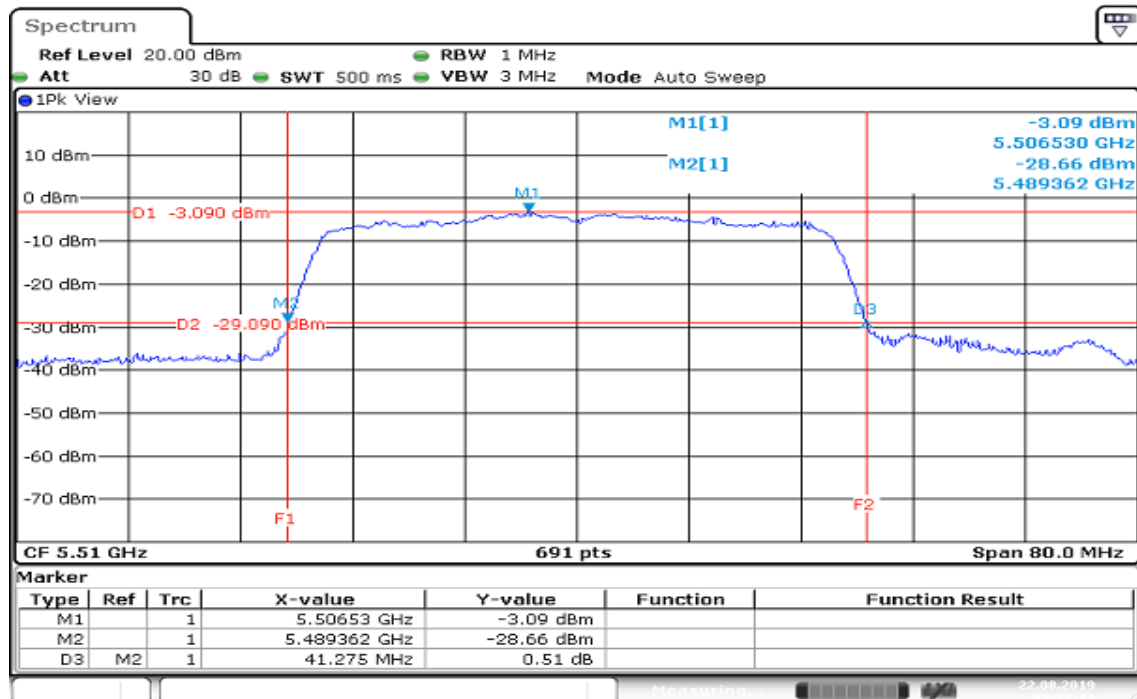
Report No.: T190725W05-RD4

## 發射頻寬量測值 IEEE 802.11n HT20 MHz Mode / 5700MHz / Chain 0

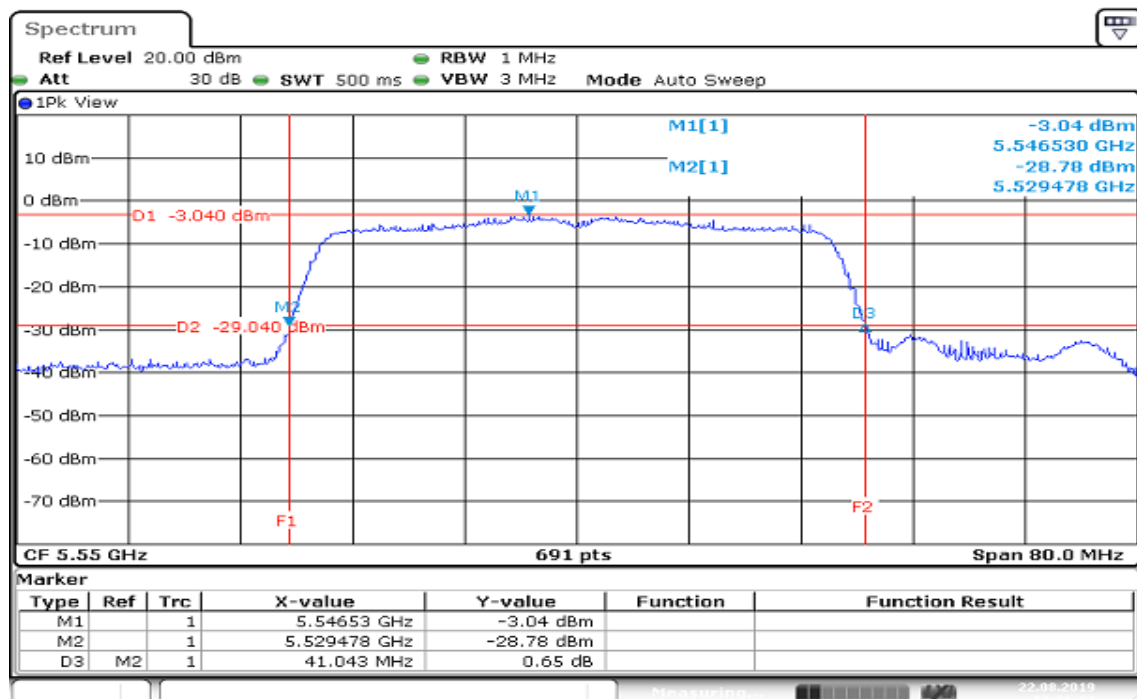


Date: 20.AUG.2019 14:15:36

## 發射頻寬量測值 IEEE 802.11n HT40 MHz Mode / 5510MHz / Chain 0



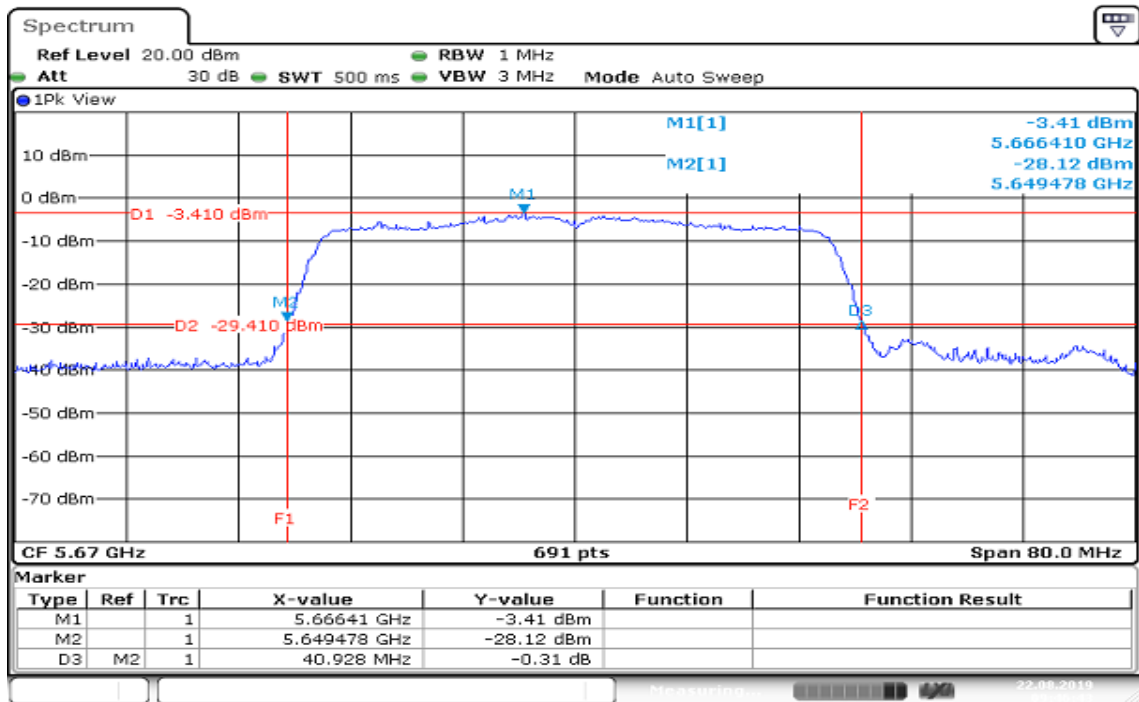
## 發射頻寬量測值 IEEE 802.11n HT40 MHz Mode / 5550MHz / Chain 0





Report No.: T190725W05-RD4

### 發射頻寬量測值 IEEE 802.11n HT40 MHz Mode / 5670MHz / Chain 0



Date: 22.AUG.2019 09:46:44

## 9 發射頻寬之要求

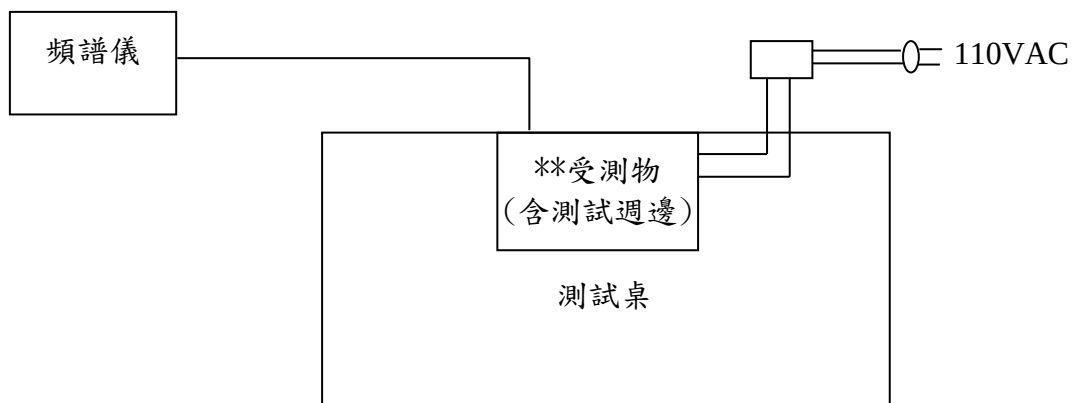
### 9.1 適用標準

對使用數位調變技術之低功率發射機，依據國家通訊傳播委員會低功率射頻電機技術規範4.7.5之規定，6dB之頻寬至少應有500kHz。

### 9.2 測試方法

測量時，頻譜分析儀之解析頻寬不小於99% Bandwidth之1%頻寬，視訊頻寬不小於解析頻寬。為求得精確測量，頻率掃描範圍(Span)遠大於解析頻寬。

### 9.3 測試配置



註: \*\*請參照 3.2 節

#### 9.4 發射頻寬之量測結果

##### Test Mode: IEEE 802.11a Mode

| 頻道   | 頻率 (MHz) | Chain 0 頻寬讀值 (MHz) | 限制值 (kHz) | 測試結果 |
|------|----------|--------------------|-----------|------|
| Low  | 5745     | 16.3478            | >500      | PASS |
| Mid  | 5785     | 16.3478            |           | PASS |
| High | 5825     | 16.3043            |           | PASS |

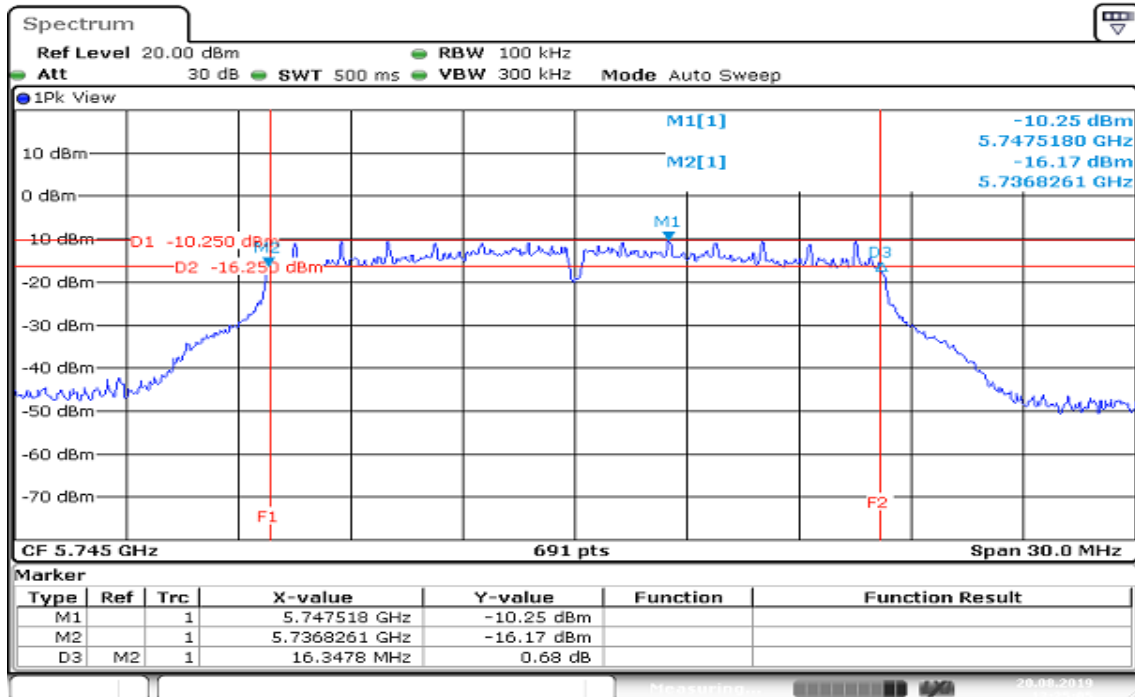
##### Test mode: IEEE 802.11n HT20 mode

| 頻道   | 頻率 (MHz) | Chain 0 頻寬讀值 (MHz) | 限制值 (kHz) | 測試結果 |
|------|----------|--------------------|-----------|------|
| Low  | 5745     | 17.5652            | >500      | PASS |
| Mid  | 5785     | 17.1739            |           | PASS |
| High | 5825     | 17.5652            |           | PASS |

##### Test mode: IEEE 802.11n HT 40 MHz mode

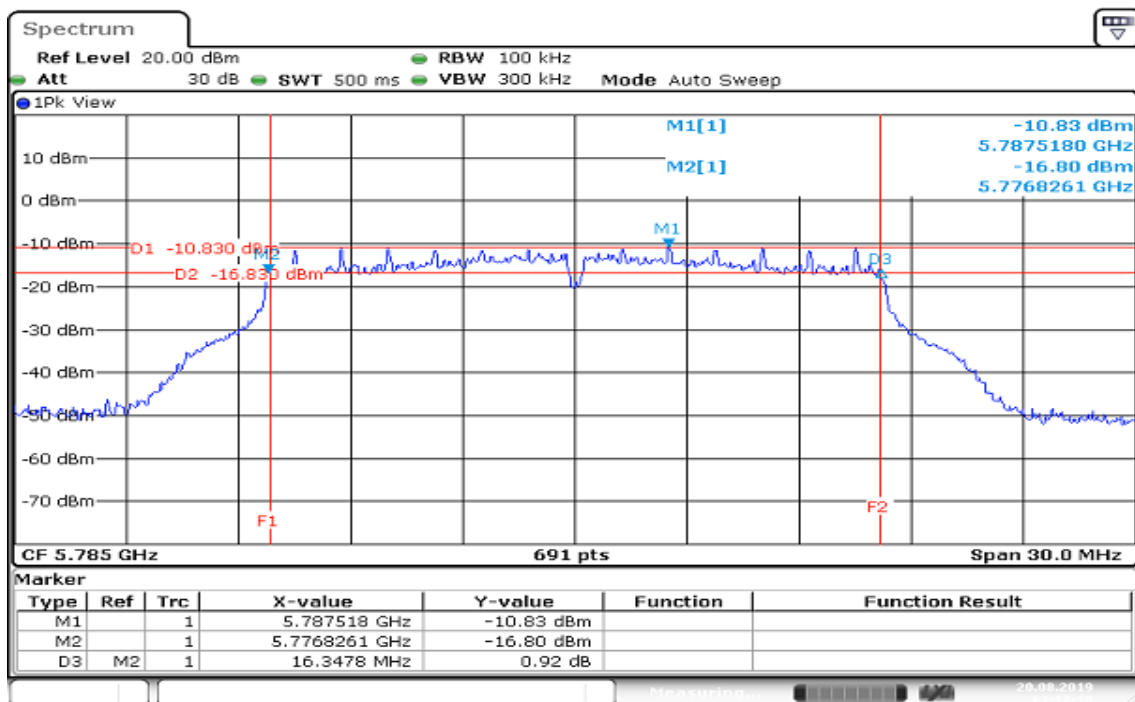
| 頻道   | 頻率 (MHz) | Chain 0 頻寬讀值 (MHz) | 限制值 (kHz) | 測試結果 |
|------|----------|--------------------|-----------|------|
| Low  | 5755     | 35.478             | >500      | PASS |
| High | 5795     | 35.71              |           | PASS |

## 發射頻寬測試值 IEEE 802.11a Mode/ 5745MHz / Chain 0



Date: 20.AUG.2019 13:25:05

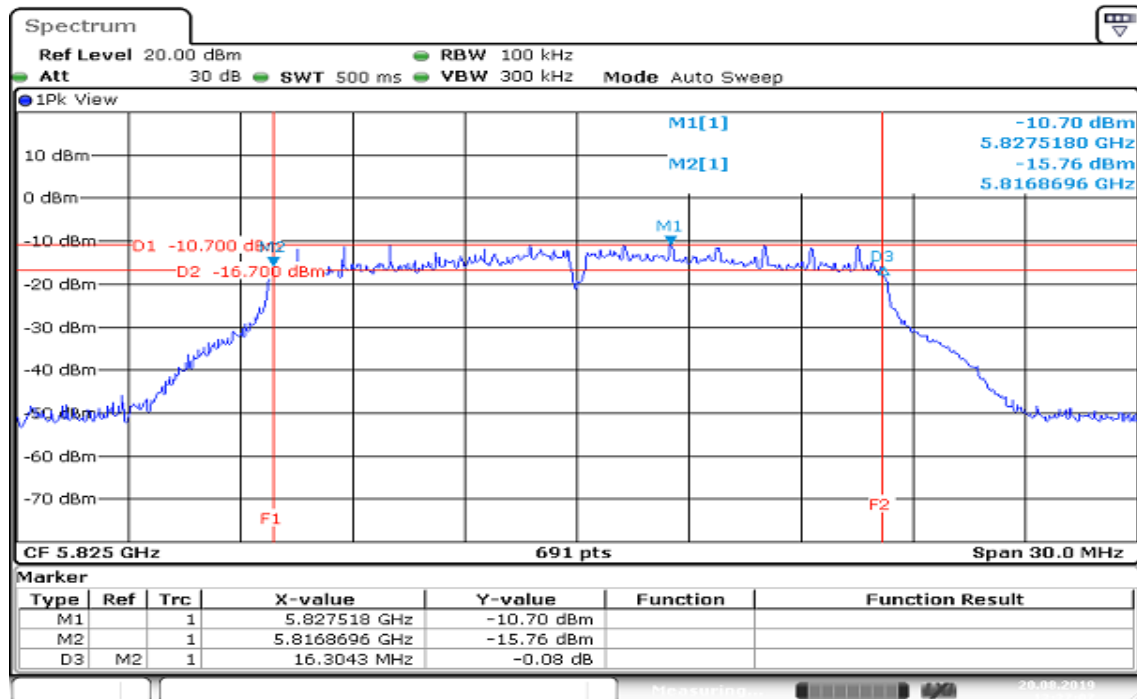
## 發射頻寬測試值 IEEE 802.11a Mode/ 5785MHz / Chain 0



Date: 20.AUG.2019 13:32:19

Report No.: T190725W05-RD4

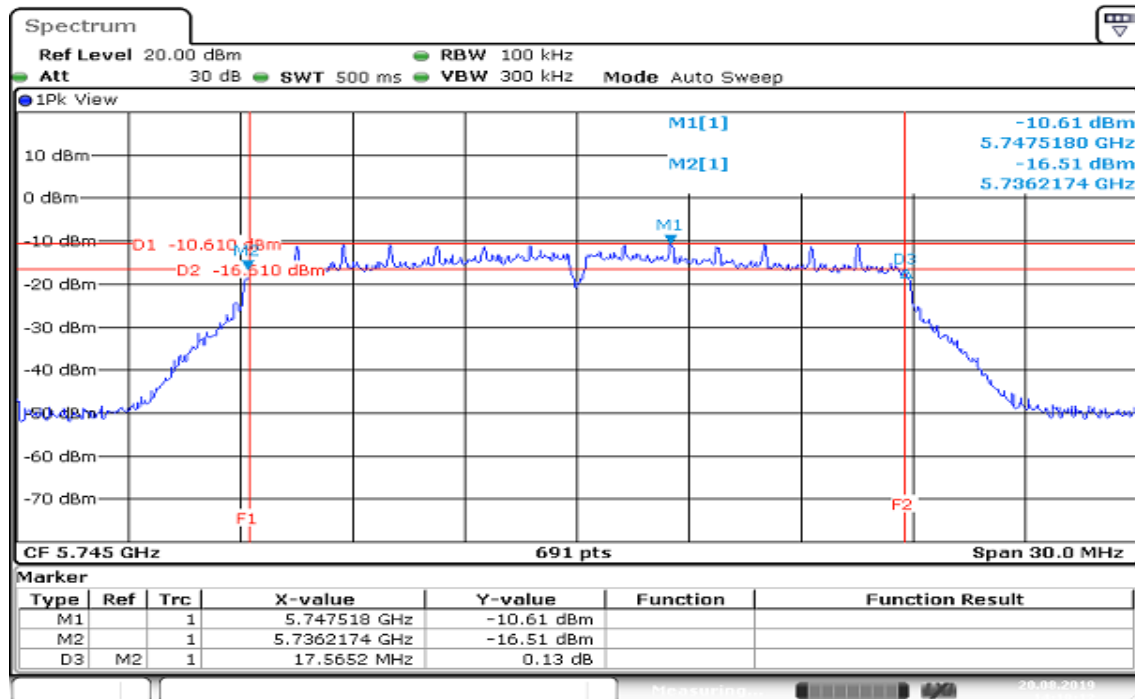
## 發射頻寬測試值 IEEE 802.11a Mode/ 5825MHz / Chain 0



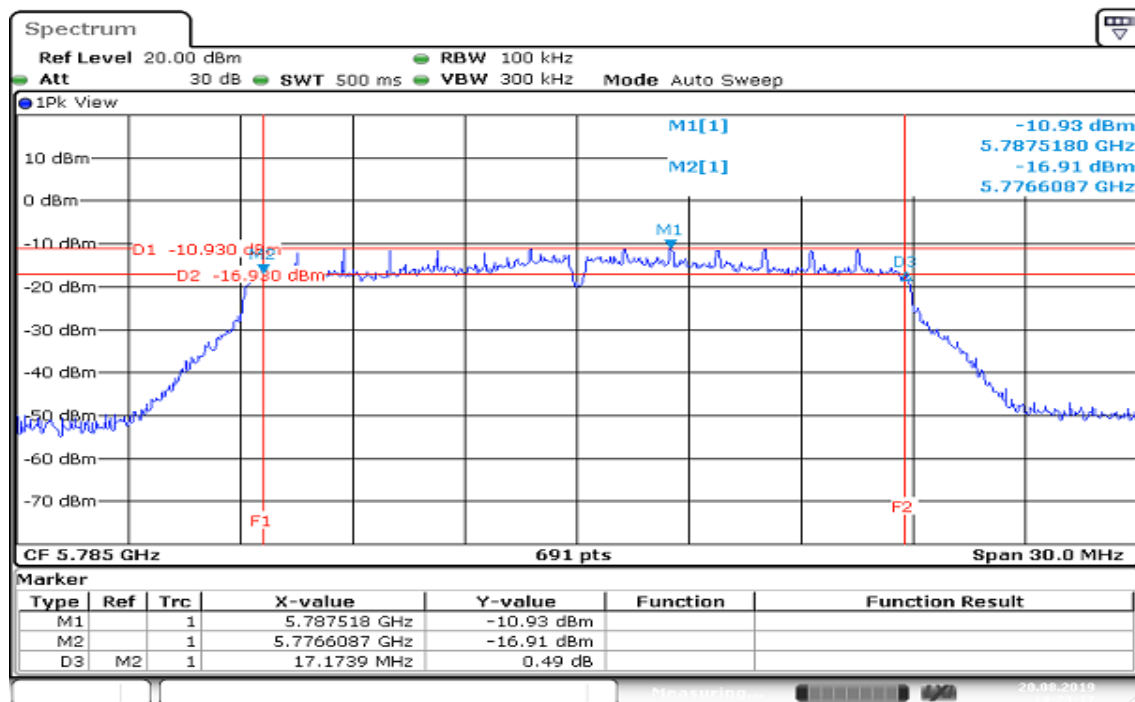
Date: 20.AUG.2019 13:37:08

Report No.: T190725W05-RD4

## 發射頻寬測試值 IEEE 802.11n HT20 MHz Mode/ 5745MHz / Chain 0

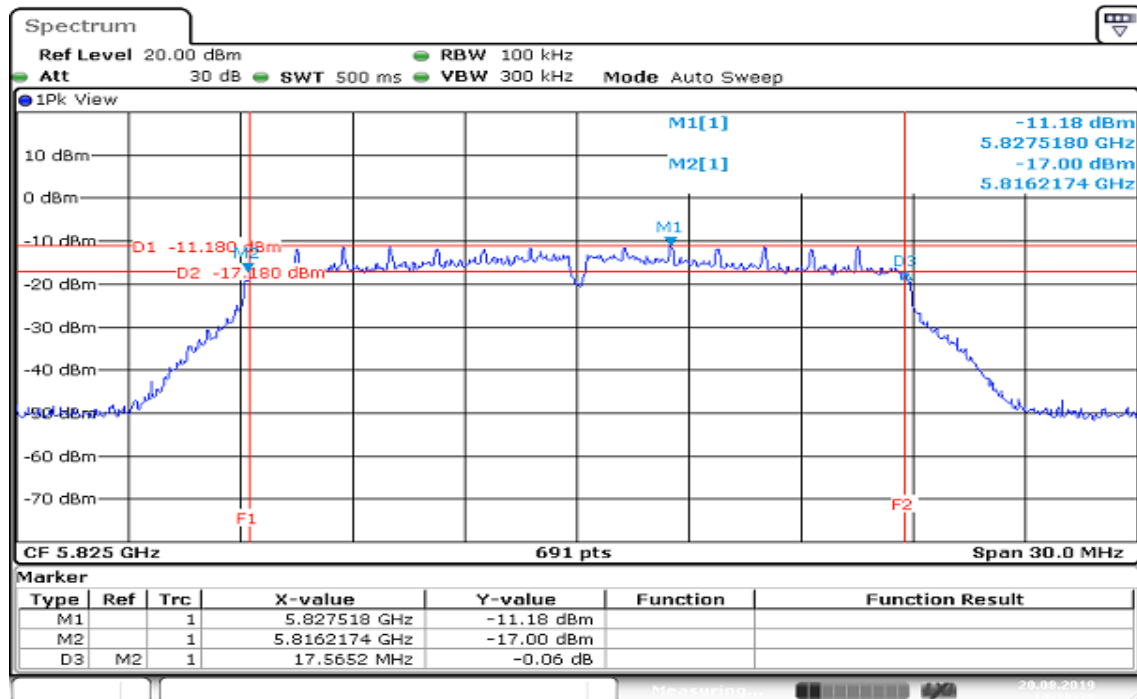


## 發射頻寬測試值 IEEE 802.11n HT20 MHz Mode/ 5785MHz / Chain 0



Report No.: T190725W05-RD4

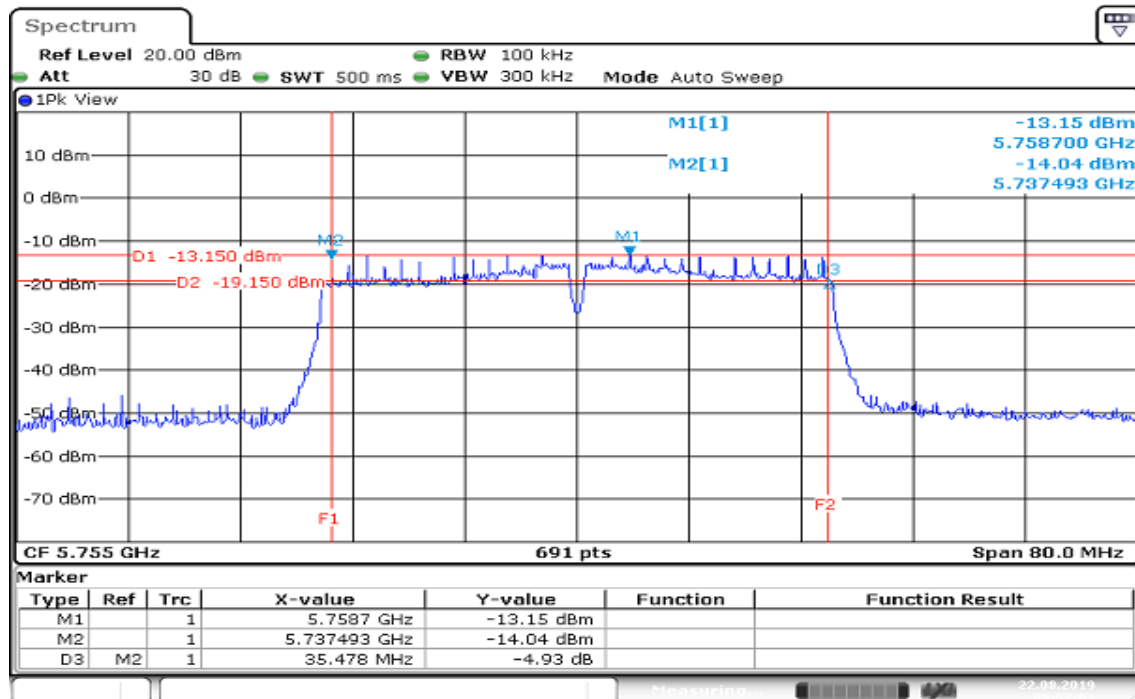
## 發射頻寬測試值 IEEE 802.11n HT20 MHz Mode/ 5825MHz / Chain 0



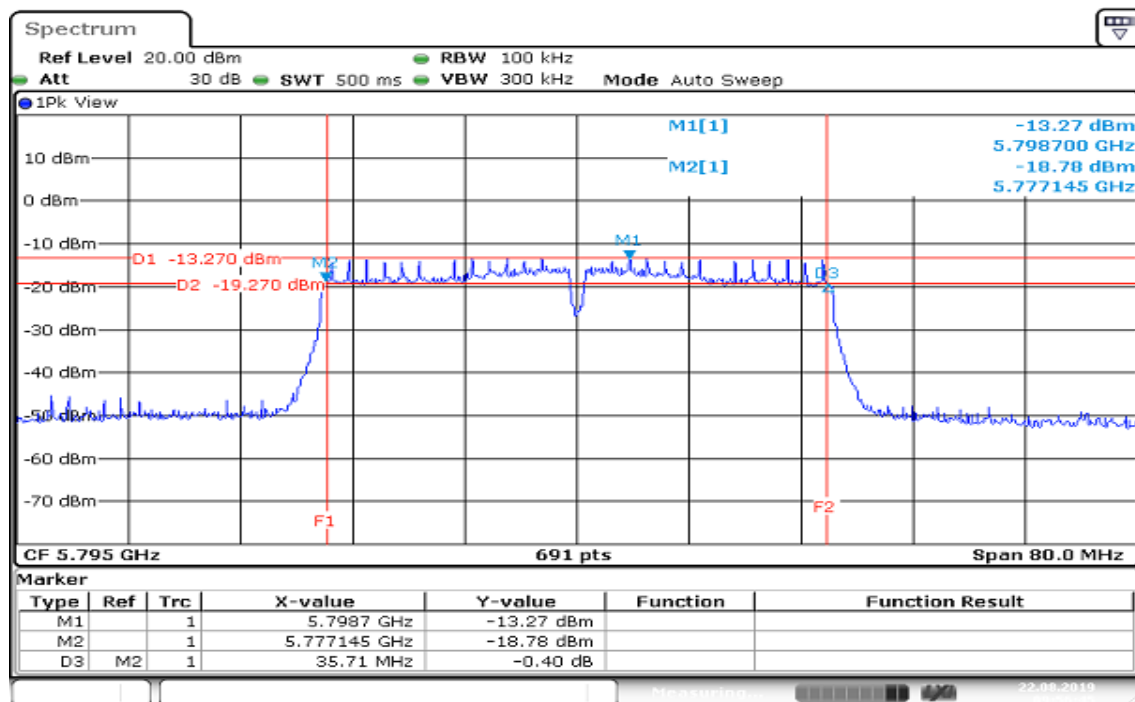
Date: 20.AUG.2019 14:28:28

Report No.: T190725W05-RD4

## 發射頻寬測試值 IEEE 802.11n HT40 MHz Mode/ 5755MHz / Chain 0



## 發射頻寬測試值 IEEE 802.11n HT40 MHz Mode/ 5795MHz / Chain 0



## 10 輸出功率之量測

### 10.1 適用標準

使用頻率於 5.15GHz ~ 5.25GHz 頻段

4.7.3.1(1): 供戶外操作使用, 最大傳導輸出功率應小於或等於 1W。

4.7.3.1(2): 供室內操作使用, 最大傳導輸出功率應小於或等於 1W。

4.7.3.1(3): 供固定式點對點操作使用, 最大傳導輸出功率應小於或等於 1W。

4.7.3.1(4): 供用戶端裝置(Client Device)操作使用, 最大傳導輸出功率應小於或等於 250mW, 若使用超過 6dBi 方向增益之發射天線時, 應依超過 6dBi 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密度。

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

4.7.3.2(1): 最大傳導輸出功率應小於或等於 250mW 或 11dBm<sub>10logB</sub> (B=26dB 發射頻寬, 單位 MHz)之較小者, 若使用超過 6dBi 方向增益之發射天線時, 應依超過 6dBi 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密度。

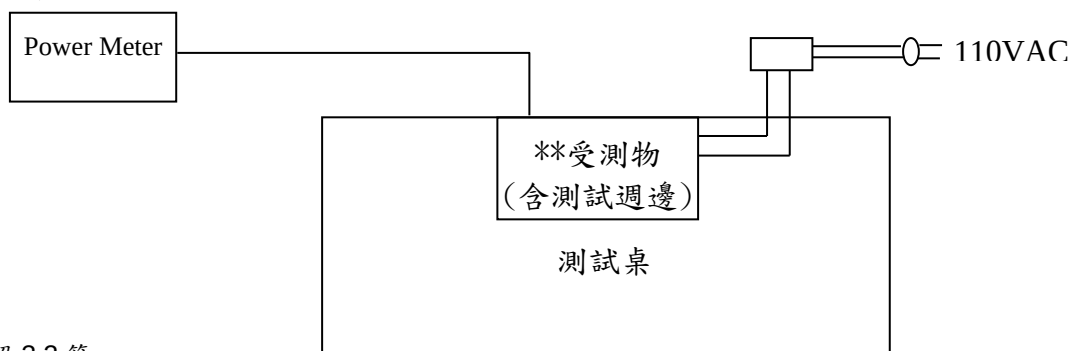
使用頻率於 5.725 GHz~5.850 GHz 頻段

4.7.3.3(1): 最大傳導輸出功率應小於或等於 1 W。

### 10.2 測試方法

The transmitter output is connected to the Power Meter. The Power Meter is set to the peak power detection.

### 10.3 測試配置



註: \*\*請參照 3.2 節

## 10.4 輸出功率之量測結果

### Band I

#### Test Mode: IEEE 802.11a Mode

| 頻道 | 頻率 (MHz) | Chain 0 輸出峰值 (dBm) | Chain 1 輸出峰值 (dBm) | Total 輸出峰值 (dBm) | 限制值 (dBm) | 測試結果 |
|----|----------|--------------------|--------------------|------------------|-----------|------|
| 36 | 5180     | 12.80              | --                 | 12.80            | 24.00     | PASS |
| 44 | 5220     | 12.87              | --                 | 12.87            | 24.00     | PASS |
| 48 | 5240     | 13.02              | --                 | <b>*13.02</b>    | 24.00     | PASS |

#### Test Mode: IEEE 802.11n HT20 MHz Mode

| 頻道 | 頻率 (MHz) | Chain 0 輸出峰值 (dBm) | Chain 1 輸出峰值 (dBm) | Total 輸出峰值 (dBm) | 限制值 (dBm) | 測試結果 |
|----|----------|--------------------|--------------------|------------------|-----------|------|
| 36 | 5180     | 12.42              | --                 | 12.42            | 24.00     | PASS |
| 44 | 5220     | 12.87              | --                 | 12.87            | 24.00     | PASS |
| 48 | 5240     | 13.02              | --                 | <b>*13.02</b>    | 24.00     | PASS |

#### Test Mode: IEEE 802.11n HT40 MHz Mode

| 頻道 | 頻率 (MHz) | Chain 0 輸出峰值 (dBm) | Chain 1 輸出峰值 (dBm) | Total 輸出峰值 (dBm) | 限制值 (dBm) | 測試結果 |
|----|----------|--------------------|--------------------|------------------|-----------|------|
| 38 | 5190     | 12.98              | --                 | 12.98            | 24.00     | PASS |
| 46 | 5230     | 13.11              | --                 | <b>*13.11</b>    | 24.00     | PASS |

## Band II

### Test Mode: IEEE 802.11a Mode

| 頻道 | 頻率 (MHz) | Chain 0 輸出峰值 (dBm) | Chain 1 輸出峰值 (dBm) | Total 輸出峰值 (dBm) | 限制值 (dBm) | 測試結果 |
|----|----------|--------------------|--------------------|------------------|-----------|------|
| 52 | 5260     | 13.19              | --                 | <b>*13.19</b>    | 24.00     | PASS |
| 56 | 5280     | 12.94              | --                 | 12.94            | 24.00     | PASS |
| 64 | 5320     | 13.01              | --                 | 13.01            | 24.00     | PASS |

### Test Mode: IEEE 802.11n HT20 MHz Mode

| 頻道 | 頻率 (MHz) | Chain 0 輸出峰值 (dBm) | Chain 1 輸出峰值 (dBm) | Total 輸出峰值 (dBm) | 限制值 (dBm) | 測試結果 |
|----|----------|--------------------|--------------------|------------------|-----------|------|
| 52 | 5260     | 12.64              | --                 | 12.64            | 24.00     | PASS |
| 56 | 5280     | 12.72              | --                 | 12.72            | 24.00     | PASS |
| 64 | 5320     | 12.87              | --                 | <b>*12.87</b>    | 24.00     | PASS |

### Test Mode: IEEE 802.11n HT40 MHz Mode

| 頻道 | 頻率 (MHz) | Chain 0 輸出峰值 (dBm) | Chain 1 輸出峰值 (dBm) | Total 輸出峰值 (dBm) | 限制值 (dBm) | 測試結果 |
|----|----------|--------------------|--------------------|------------------|-----------|------|
| 54 | 5270     | 13.08              | --                 | 13.08            | 24.00     | PASS |
| 62 | 5310     | 13.18              | --                 | <b>*13.18</b>    | 24.00     | PASS |



Report No.: T190725W05-RD4

Page: 184 / 218  
Rev.: 00

### Band III

#### Test Mode: IEEE 802.11a Mode

| 頻道  | 頻率 (MHz) | Chain 0 輸出峰值 (dBm) | Chain 1 輸出峰值 (dBm) | Total 輸出峰值 (dBm) | 限制值 (dBm) | 測試結果 |
|-----|----------|--------------------|--------------------|------------------|-----------|------|
| 100 | 5500     | 12.67              | --                 | <b>*12.67</b>    | 24.00     | PASS |
| 116 | 5580     | 12.48              | --                 | 12.48            | 24.00     | PASS |
| 140 | 5700     | 12.42              | --                 | 12.42            | 24.00     | PASS |

#### Test Mode: IEEE 802.11n HT20 MHz Mode

| 頻道  | 頻率 (MHz) | Chain 0 輸出峰值 (dBm) | Chain 1 輸出峰值 (dBm) | Total 輸出峰值 (dBm) | 限制值 (dBm) | 測試結果 |
|-----|----------|--------------------|--------------------|------------------|-----------|------|
| 100 | 5500     | 12.28              | --                 | 12.28            | 24.00     | PASS |
| 116 | 5580     | 12.35              | --                 | <b>*12.35</b>    | 24.00     | PASS |
| 140 | 5700     | 12.23              | --                 | 12.23            | 24.00     | PASS |

#### Test Mode: IEEE 802.11n HT40 MHz Mode

| 頻道  | 頻率 (MHz) | Chain 0 輸出峰值 (dBm) | Chain 1 輸出峰值 (dBm) | Total 輸出峰值 (dBm) | 限制值 (dBm) | 測試結果 |
|-----|----------|--------------------|--------------------|------------------|-----------|------|
| 102 | 5510     | 13.00              | --                 | <b>*13.00</b>    | 24.00     | PASS |
| 110 | 5550     | 12.83              | --                 | 12.83            | 24.00     | PASS |
| 134 | 5670     | 12.75              | --                 | 12.75            | 24.00     | PASS |



Report No.: T190725W05-RD4

Page: 185 / 218

Rev.: 00

## Band IV

### Test Mode: IEEE 802.11a Mode

| 頻道  | 頻率 (MHz) | Chain 0 輸出峰值 (dBm) | Chain 1 輸出峰值 (dBm) | Total 輸出峰值 (dBm) | 限制值 (dBm) | 測試結果 |
|-----|----------|--------------------|--------------------|------------------|-----------|------|
| 149 | 5745     | 12.70              | --                 | <b>*12.70</b>    | 30.00     | PASS |
| 157 | 5785     | 12.39              | --                 | 12.39            | 30.00     | PASS |
| 165 | 5825     | 12.17              | --                 | 12.17            | 30.00     | PASS |

### Test Mode: IEEE 802.11n HT20 MHz Mode

| 頻道  | 頻率 (MHz) | Chain 0 輸出峰值 (dBm) | Chain 1 輸出峰值 (dBm) | Total 輸出峰值 (dBm) | 限制值 (dBm) | 測試結果 |
|-----|----------|--------------------|--------------------|------------------|-----------|------|
| 149 | 5745     | 12.26              | --                 | <b>*12.26</b>    | 30.00     | PASS |
| 157 | 5785     | 11.97              | --                 | 11.97            | 30.00     | PASS |
| 165 | 5825     | 11.73              | --                 | 11.73            | 30.00     | PASS |

### Test Mode: IEEE 802.11n HT40 MHz Mode

| 頻道  | 頻率 (MHz) | Chain 0 輸出峰值 (dBm) | Chain 1 輸出峰值 (dBm) | Total 輸出峰值 (dBm) | 限制值 (dBm) | 測試結果 |
|-----|----------|--------------------|--------------------|------------------|-----------|------|
| 151 | 5755     | 12.85              | --                 | <b>*12.85</b>    | 30.00     | PASS |
| 159 | 5795     | 12.71              | --                 | 12.71            | 30.00     | PASS |

## 11 功率密度之量測

### 11.1 適用標準

使用頻率於 5.15GHz ~ 5.25GHz 頻段

4.7.3.1(1): 供戶外操作使用, 在任何 1 MHz 頻帶中最大功率頻譜密度應小於或等於 17 dBm。

4.7.3.1(2): 供室內操作使用, 在任何 1 MHz 頻帶中最大功率頻譜密度應小於或等於 17 dBm。

4.7.3.1(3): 供固定式點對點操作使用, 在任何 1 MHz 頻帶中最大功率頻譜密度應小於或等於 17 dBm。

4.7.3.1(4): 供用戶端裝置(Client Device)操作使用, 在任何 1 MHz 頻帶中最大功率頻譜密度應小於或等於 11 dBm, 若使用超過 6dBi 方向增益之發射天線時, 應依超過 6dBi 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密度。

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

4.7.3.2(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, 若使用超過 6dBi 方向增益之發射天線時, 應依超過 6dBi 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密度。

使用頻率於 5.725 GHz~5.850 GHz 頻段

4.7.3.3(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, 若使用超過 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。

## 11.2 測試方法

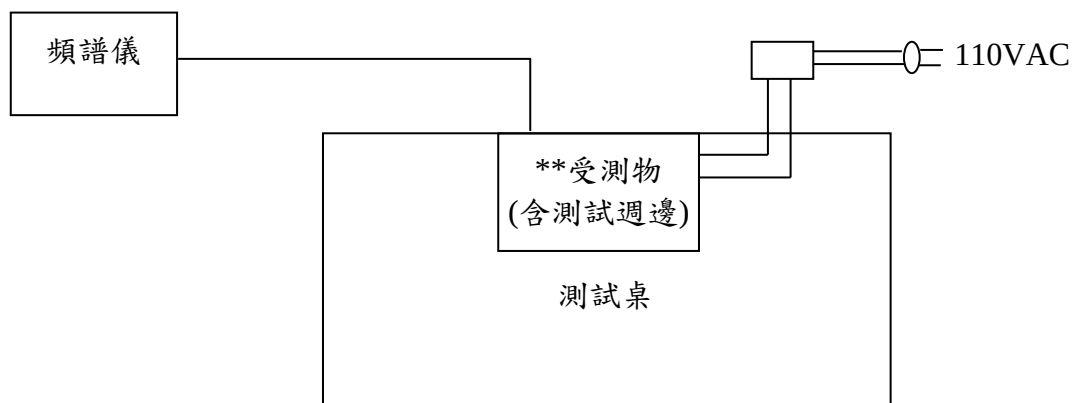
### For Band 1

1. Place the EUT on the table and set it in transmitting mode.  
Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
2. Set the spectrum analyzer as RBW = 1MHz, VBW = 3MHz, Span = Sweep= AUTO
3. Record the max. reading.
4. Repeat the above procedure until the measurements for all frequencies are completed

### For Band 4

1. Place the EUT on the table and set it in transmitting mode.  
Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
2. Set the spectrum analyzer as RBW = 500kHz, VBW = 3 x RBW, Span = 1.5 x bandwidth, Sweep=auto
3. Record the max. reading.
4. Repeat the above procedure until the measurements for all frequencies are completed.

## 11.3 測試配置



註: \*\*請參照 3.2 節

## 11.4 功率密度之量測結果

### Band I

#### Test Mode: IEEE 802.11a Mode

| 頻道 | 頻率 (MHz) | Chain 0<br>功率密度 (dBm) | Chain 1<br>功率密度 (dBm) | Total<br>功率密度 (dBm) | 限制值 (dBm) | 測試結果 |
|----|----------|-----------------------|-----------------------|---------------------|-----------|------|
| 36 | 5180     | 0.95                  | --                    | 0.95                | 11.00     | PASS |
| 44 | 5220     | 1.03                  | --                    | 1.03                | 11.00     | PASS |
| 48 | 5240     | 1.29                  | --                    | 1.29                | 11.00     | PASS |

#### Test Mode: IEEE 802.11n HT20 MHz Mode

| 頻道 | 頻率 (MHz) | Chain 0<br>功率密度 (dBm) | Chain 1<br>功率密度 (dBm) | Total<br>功率密度 (dBm) | 限制值 (dBm) | 測試結果 |
|----|----------|-----------------------|-----------------------|---------------------|-----------|------|
| 36 | 5180     | 0.47                  | --                    | 0.47                | 11.00     | PASS |
| 44 | 5220     | 0.21                  | --                    | 0.21                | 11.00     | PASS |
| 48 | 5240     | 0.2                   | --                    | 0.2                 | 11.00     | PASS |

#### Test Mode: IEEE 802.11n HT40 MHz Mode

| 頻道 | 頻率 (MHz) | Chain 0<br>功率密度 (dBm) | Chain 1<br>功率密度 (dBm) | Total<br>功率密度 (dBm) | 限制值 (dBm) | 測試結果 |
|----|----------|-----------------------|-----------------------|---------------------|-----------|------|
| 38 | 5190     | -3.14                 | --                    | -3.14               | 11.00     | PASS |
| 46 | 5230     | -2.97                 | --                    | -2.97               | 11.00     | PASS |

## Band II

### Test Mode: IEEE 802.11a Mode

| 頻道 | 頻率 (MHz) | Chain 0<br>功率密度 (dBm) | Chain 1<br>功率密度 (dBm) | Total<br>功率密度 (dBm) | 限制值 (dBm) | 測試結果 |
|----|----------|-----------------------|-----------------------|---------------------|-----------|------|
| 52 | 5260     | 0.93                  | --                    | 0.93                | 11.00     | PASS |
| 56 | 5280     | 1.34                  | --                    | 1.34                | 11.00     | PASS |
| 64 | 5320     | 1.27                  | --                    | 1.27                | 11.00     | PASS |

### Test Mode: IEEE 802.11n HT20 MHz Mode

| 頻道 | 頻率 (MHz) | Chain 0<br>功率密度 (dBm) | Chain 1<br>功率密度 (dBm) | Total<br>功率密度 (dBm) | 限制值 (dBm) | 測試結果 |
|----|----------|-----------------------|-----------------------|---------------------|-----------|------|
| 52 | 5260     | 0.22                  | --                    | 0.22                | 11.00     | PASS |
| 56 | 5280     | 0.35                  | --                    | 0.35                | 11.00     | PASS |
| 64 | 5320     | 0.83                  | --                    | 0.83                | 11.00     | PASS |

### Test Mode: IEEE 802.11n HT40 MHz Mode

| 頻道 | 頻率 (MHz) | Chain 0<br>功率密度 (dBm) | Chain 1<br>功率密度 (dBm) | Total<br>功率密度 (dBm) | 限制值 (dBm) | 測試結果 |
|----|----------|-----------------------|-----------------------|---------------------|-----------|------|
| 54 | 5270     | -2.74                 | --                    | -2.74               | 11.00     | PASS |
| 62 | 5310     | -2.55                 | --                    | -2.55               | 11.00     | PASS |

### Band III

#### Test Mode: IEEE 802.11a Mode

| 頻道  | 頻率 (MHz) | Chain 0 功率密度 (dBm) | Chain 1 功率密度 (dBm) | Total 功率密度 (dBm) | 限制值 (dBm) | 測試結果 |
|-----|----------|--------------------|--------------------|------------------|-----------|------|
| 100 | 5500     | 1.11               | --                 | 1.11             | 11.00     | PASS |
| 116 | 5580     | 1.23               | --                 | 1.23             | 11.00     | PASS |
| 140 | 5700     | 0.72               | --                 | 0.72             | 11.00     | PASS |

#### Test Mode: IEEE 802.11n HT20 MHz Mode

| 頻道  | 頻率 (MHz) | Chain 0 功率密度 (dBm) | Chain 1 功率密度 (dBm) | Total 功率密度 (dBm) | 限制值 (dBm) | 測試結果 |
|-----|----------|--------------------|--------------------|------------------|-----------|------|
| 100 | 5500     | 0.79               | --                 | 0.79             | 11.00     | PASS |
| 116 | 5580     | 0.47               | --                 | 0.47             | 11.00     | PASS |
| 140 | 5700     | 0.1                | --                 | 0.1              | 11.00     | PASS |

#### Test Mode: IEEE 802.11n HT40 MHz Mode

| 頻道  | 頻率 (MHz) | Chain 0 功率密度 (dBm) | Chain 1 功率密度 (dBm) | Total 功率密度 (dBm) | 限制值 (dBm) | 測試結果 |
|-----|----------|--------------------|--------------------|------------------|-----------|------|
| 102 | 5510     | -2.72              | --                 | -2.72            | 11.00     | PASS |
| 110 | 5550     | -2.67              | --                 | -2.67            | 11.00     | PASS |
| 134 | 5670     | -2.78              | --                 | -2.78            | 11.00     | PASS |

## Band IV

### Test Mode: IEEE 802.11a MHz Mode

| 頻道  | 頻率 (MHz) | Chain 0 功率密度 (dBm) | Chain 1 功率密度 (dBm) | Total 功率密度 (dBm) | 限制值 (dBm) | 測試結果 |
|-----|----------|--------------------|--------------------|------------------|-----------|------|
| 149 | 5745     | 6.45               | --                 | 6.45             | 30.00     | PASS |
| 157 | 5785     | 5.89               | --                 | 5.89             | 30.00     | PASS |
| 165 | 5825     | 6.05               | --                 | 6.05             | 30.00     | PASS |

### Test Mode: IEEE 802.11n HT20 MHz Mode

| 頻道  | 頻率 (MHz) | Chain 0 功率密度 (dBm) | Chain 1 功率密度 (dBm) | Total 功率密度 (dBm) | 限制值 (dBm) | 測試結果 |
|-----|----------|--------------------|--------------------|------------------|-----------|------|
| 149 | 5745     | 6.9                | --                 | 6.9              | 30.00     | PASS |
| 157 | 5785     | 6.65               | --                 | 6.65             | 30.00     | PASS |
| 165 | 5825     | 6.28               | --                 | 6.28             | 30.00     | PASS |

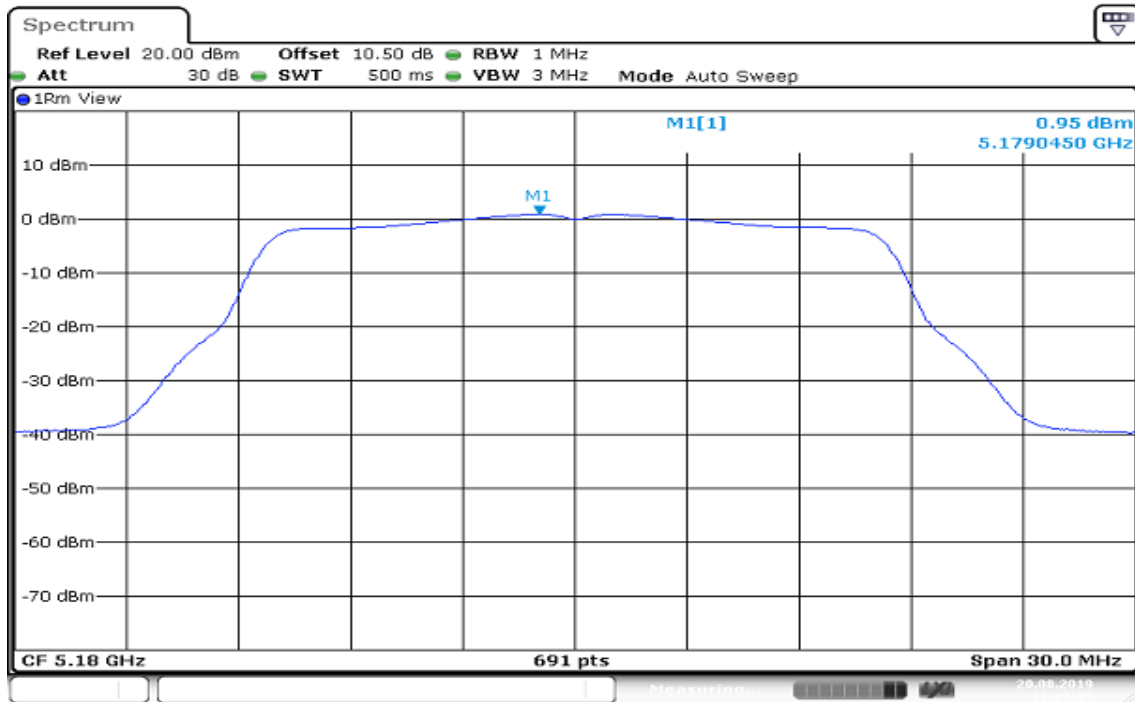
### Test Mode: IEEE 802.11n HT40 MHz Mode

| 頻道  | 頻率 (MHz) | Chain 0 功率密度 (dBm) | Chain 1 功率密度 (dBm) | Total 功率密度 (dBm) | 限制值 (dBm) | 測試結果 |
|-----|----------|--------------------|--------------------|------------------|-----------|------|
| 151 | 5755     | 3.34               | --                 | 3.34             | 30.00     | PASS |
| 159 | 5795     | 3.46               | --                 | 3.46             | 30.00     | PASS |

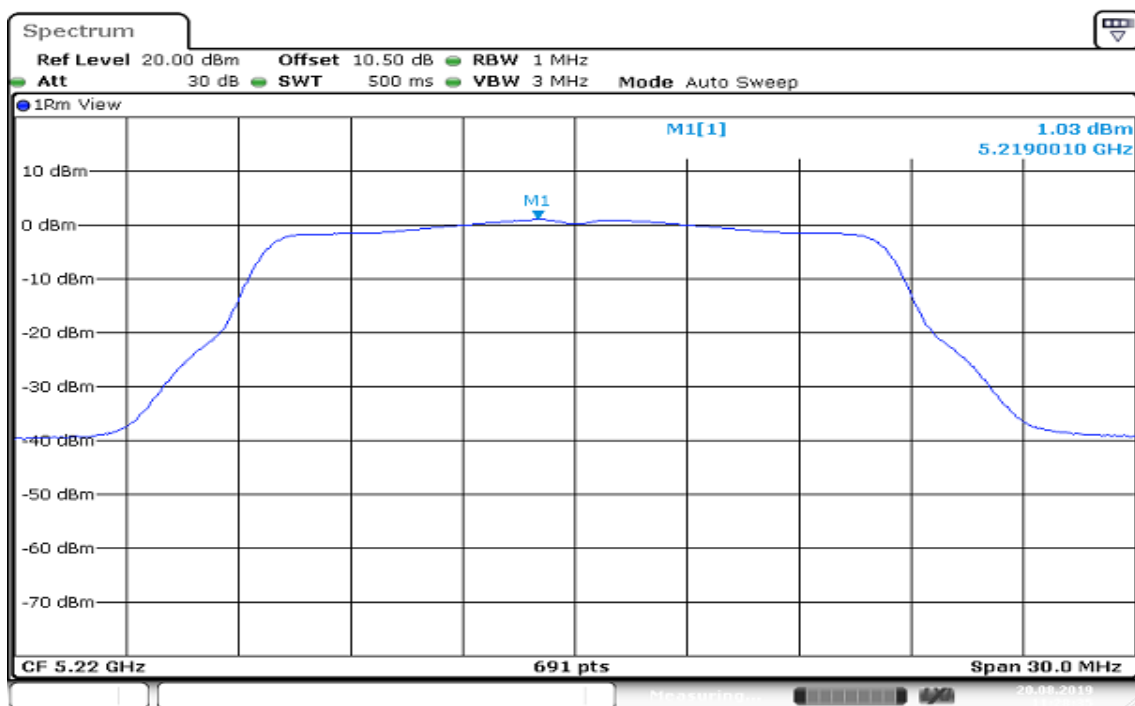
Report No.: T190725W05-RD4

## Band I

### 功率密度量測值 IEEE 802.11a Mode / 5180MHz / Chain 0



### 功率密度量測值 IEEE 802.11a Mode / 5220MHz / Chain 0



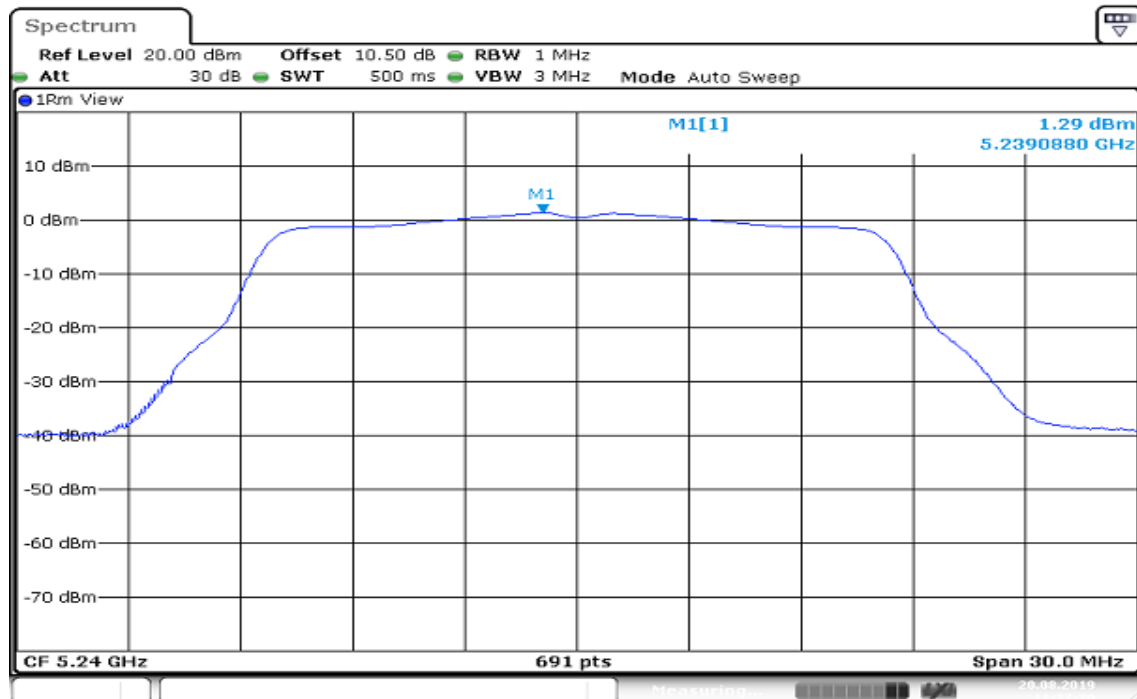


Report No.: T190725W05-RD4

Page: 193 / 218

Rev.: 00

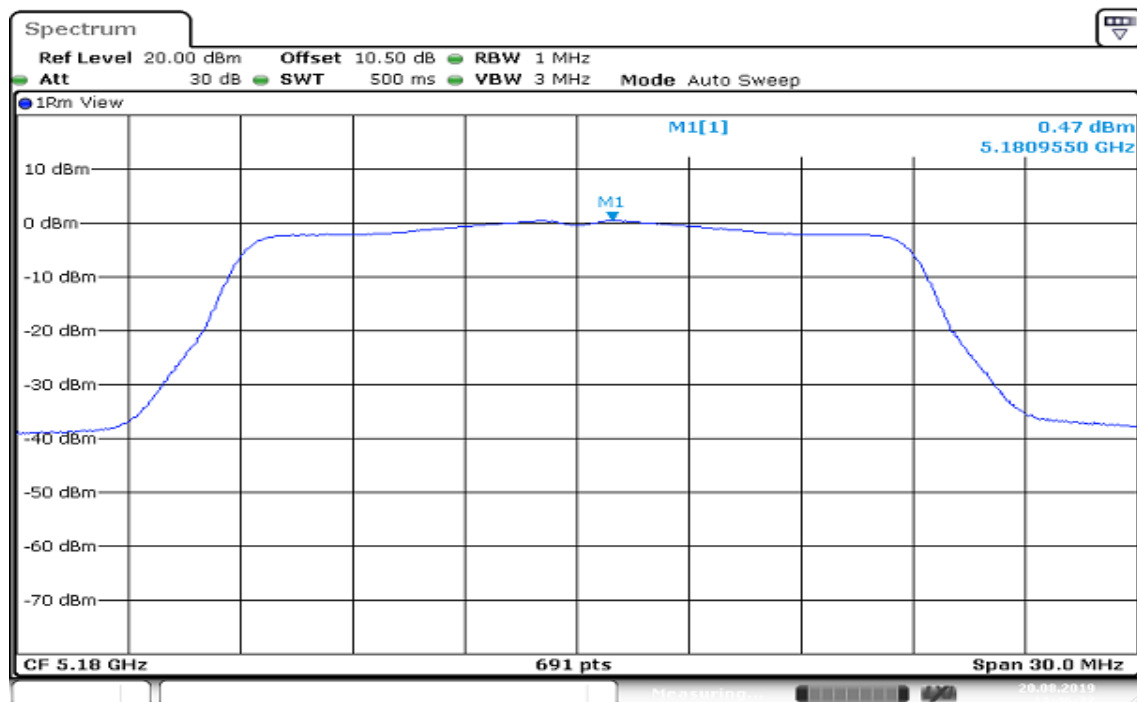
### 功率密度量測值 IEEE 802.11a Mode / 5240MHz / Chain 0



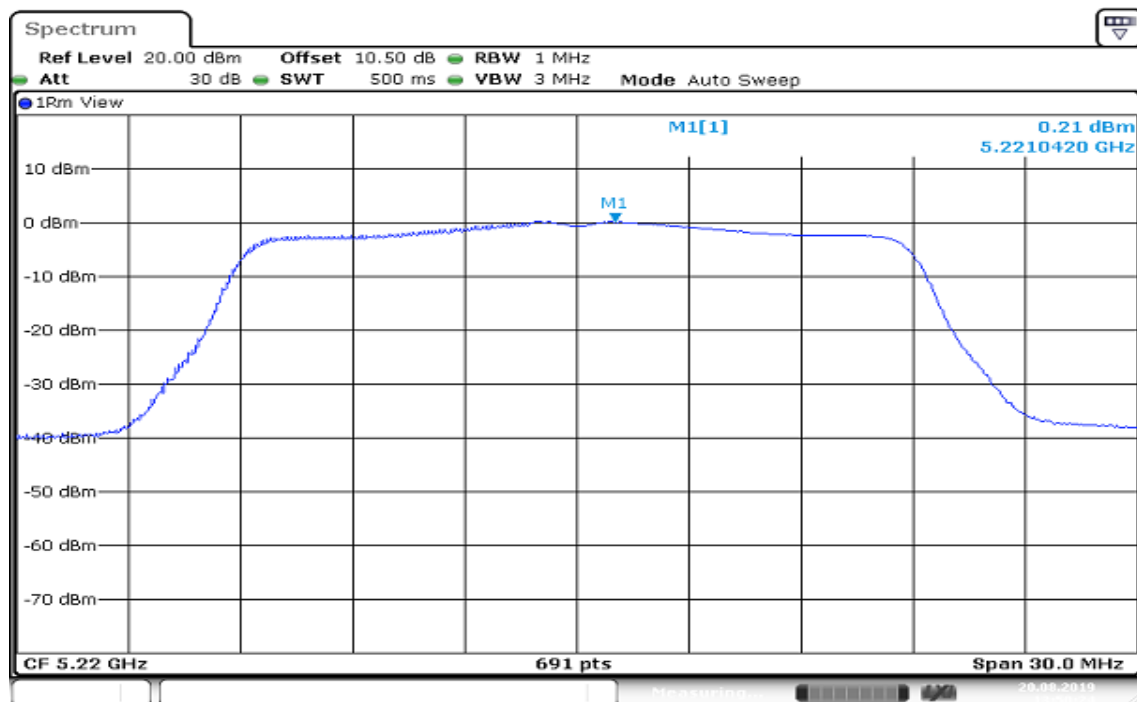
Date: 20.AUG.2019 11:27:30

Report No.: T190725W05-RD4

### 功率密度量測值 IEEE 802.11n HT20 MHz Mode / 5180MHz / Chain 0



### 功率密度量測值 IEEE 802.11n HT20 MHz Mode / 5220MHz / Chain 0



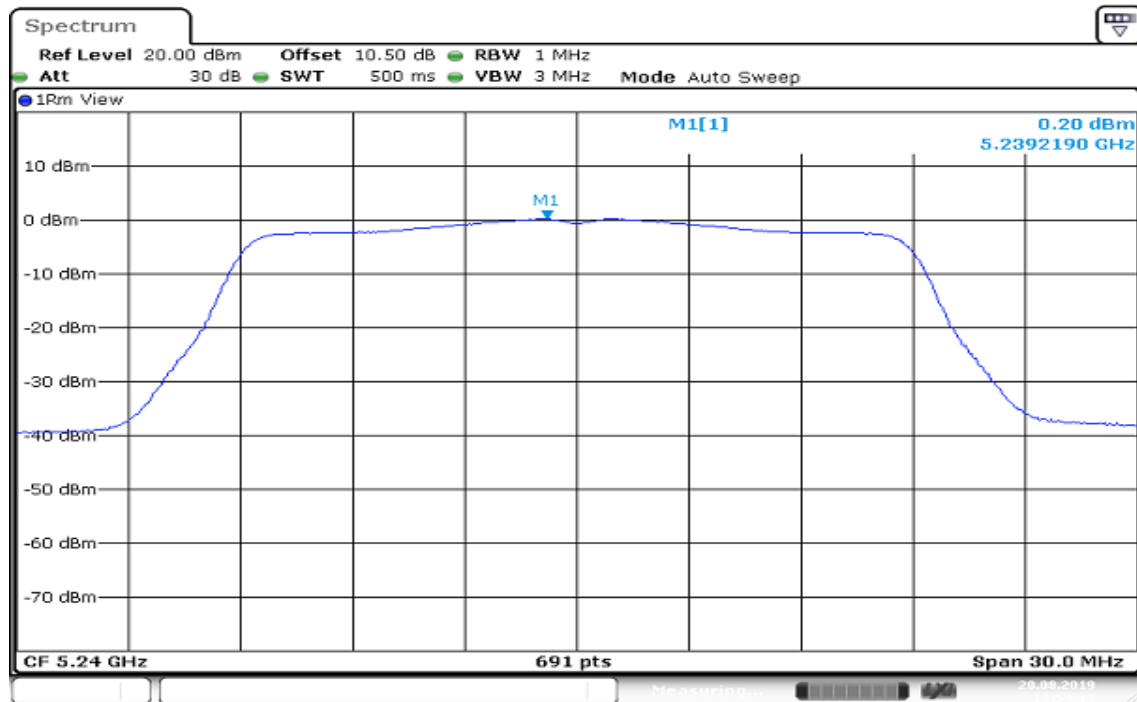


Report No.: T190725W05-RD4

Page: 195 / 218

Rev.: 00

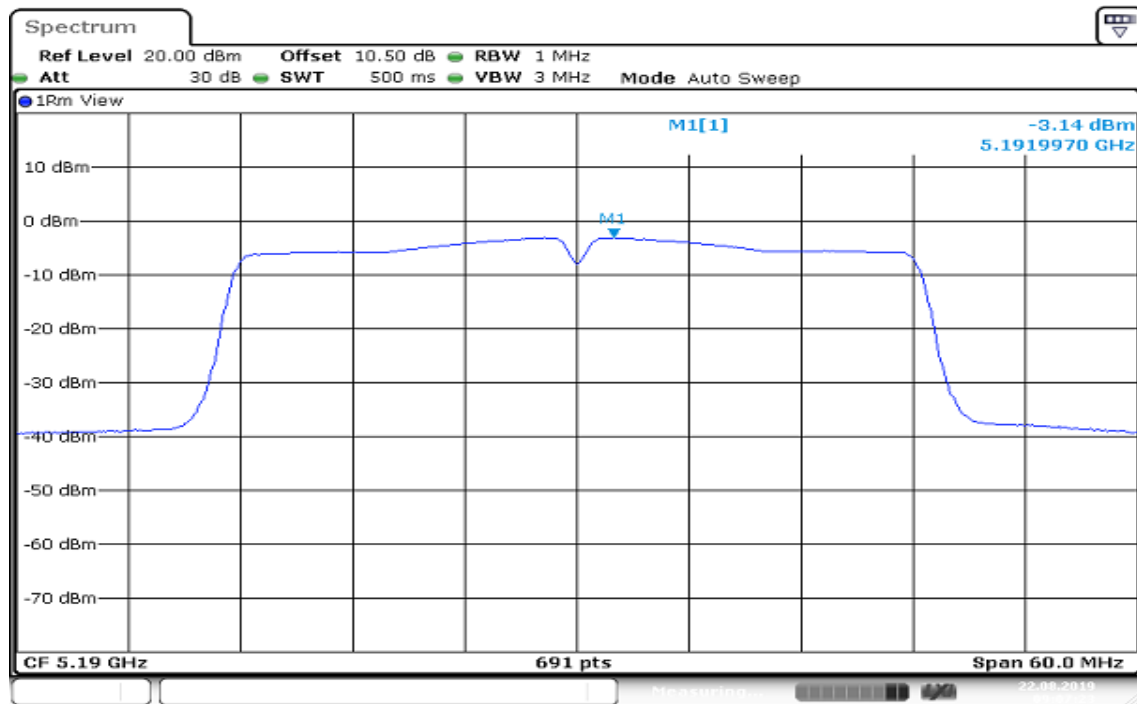
### 功率密度量測值 IEEE 802.11n HT20 MHz Mode / 5240MHz / Chain 0



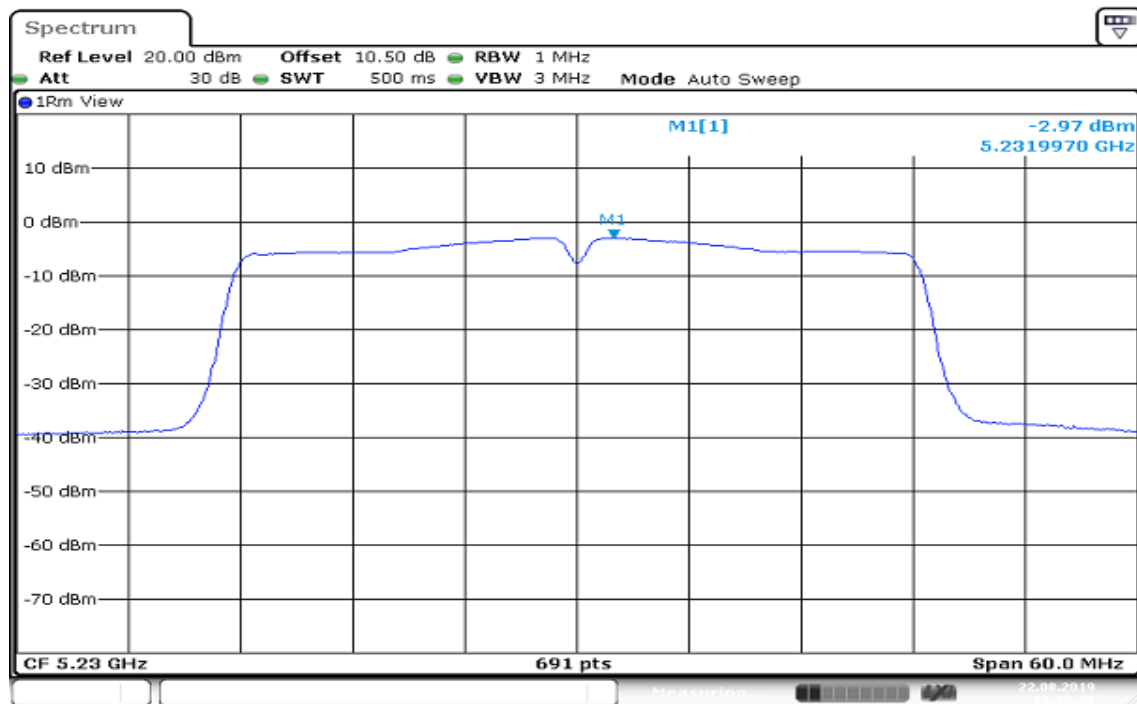
Date: 20.AUG.2019 13:54:13

Report No.: T190725W05-RD4

### 功率密度量測值 IEEE 802.11n HT40 MHz Mode / 5190MHz / Chain 0



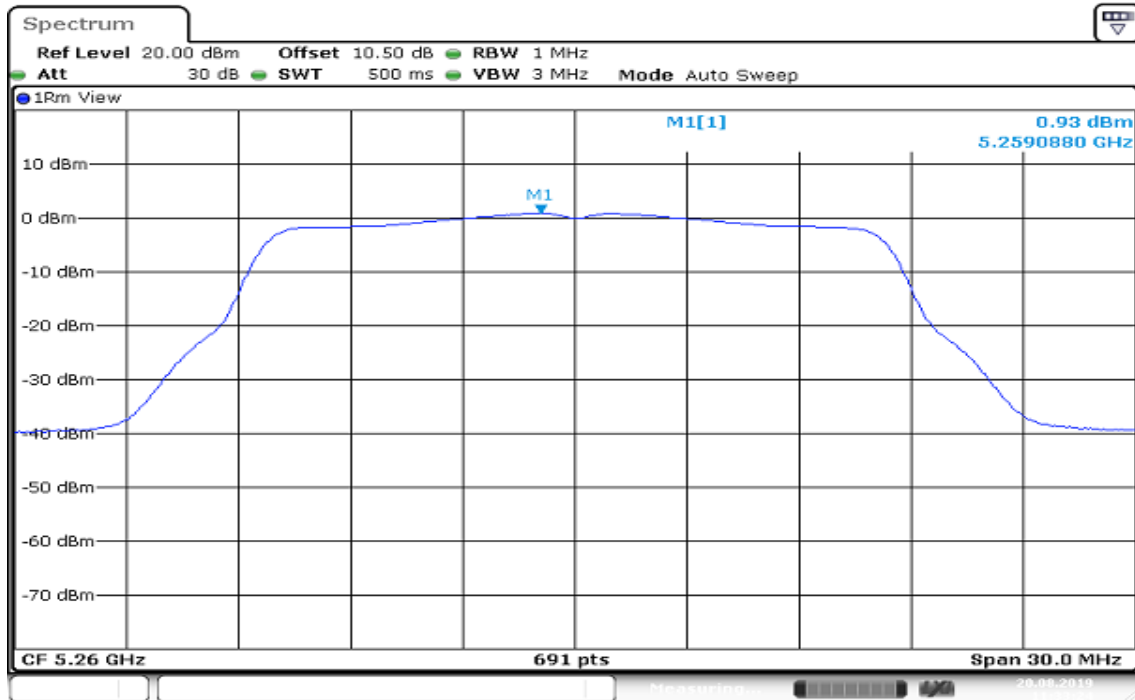
### 功率密度量測值 IEEE 802.11n HT40 MHz Mode / 5230MHz / Chain 0



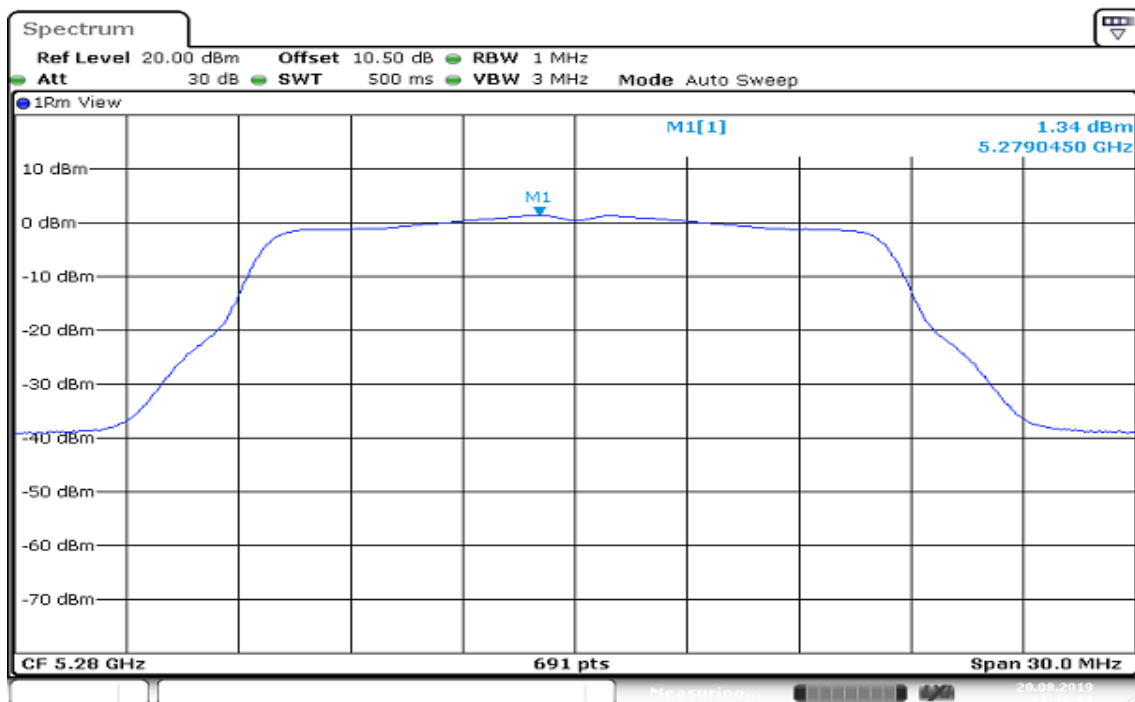
Report No.: T190725W05-RD4

## Band II

### 功率密度量測值 IEEE 802.11a Mode / 5260MHz / Chain 0



### 功率密度量測值 IEEE 802.11a Mode / 5280MHz / Chain 0



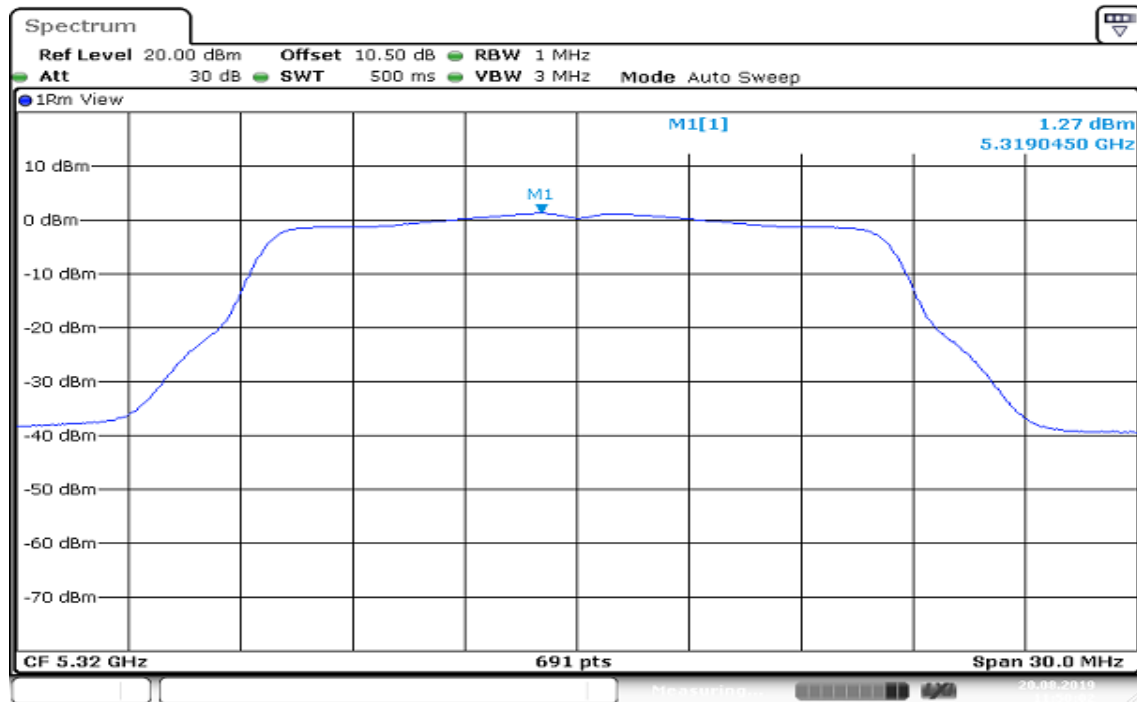


Report No.: T190725W05-RD4

Page: 198 / 218

Rev.: 00

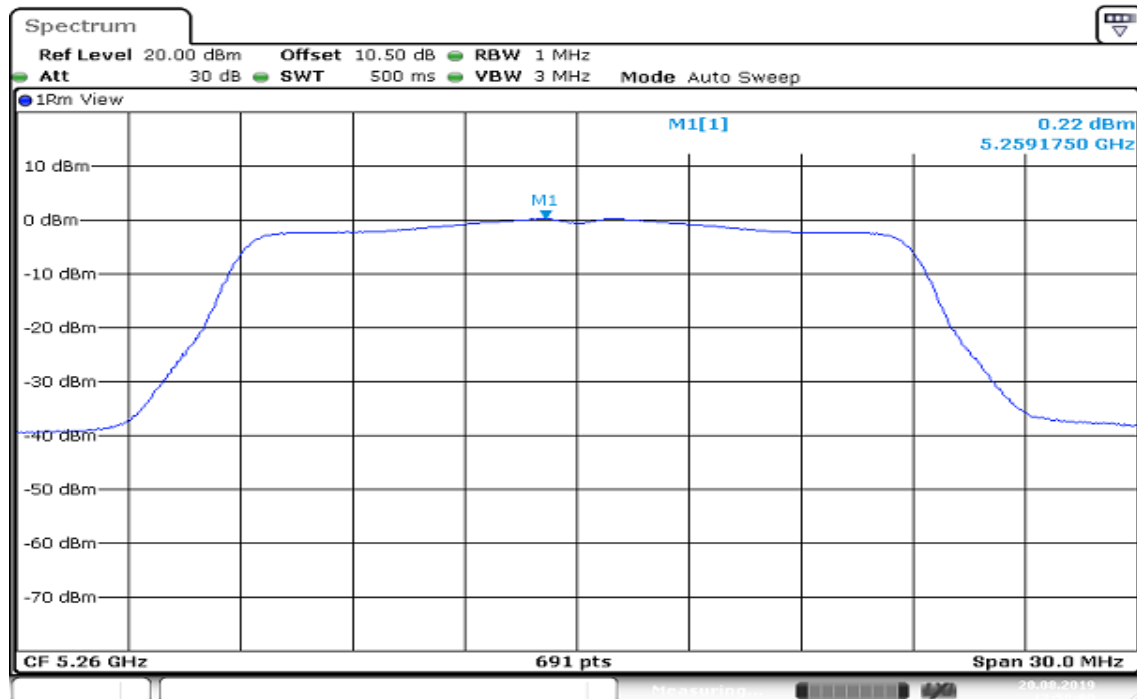
### 功率密度量測值 IEEE 802.11a Mode / 5320MHz / Chain 0



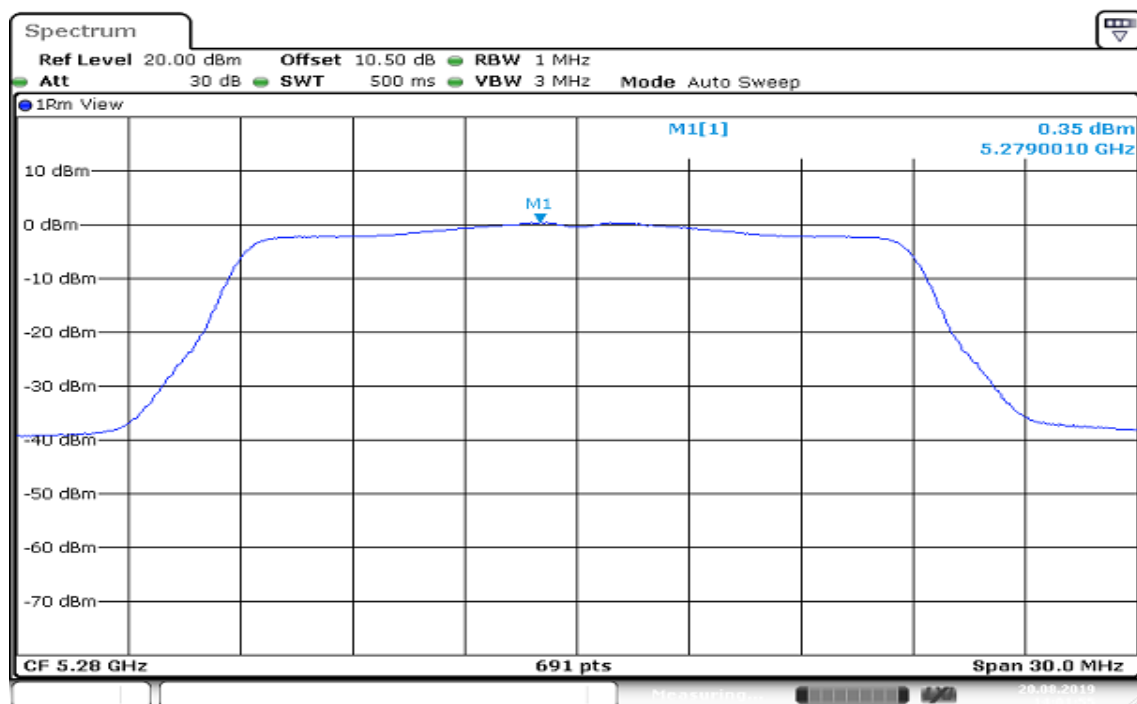
Date: 20.AUG.2019 11:50:02

Report No.: T190725W05-RD4

### 功率密度量測值 IEEE 802.11n HT20 MHz Mode / 5260MHz / Chain 0



### 功率密度量測值 IEEE 802.11n HT20 MHz Mode / 5280MHz / Chain 0

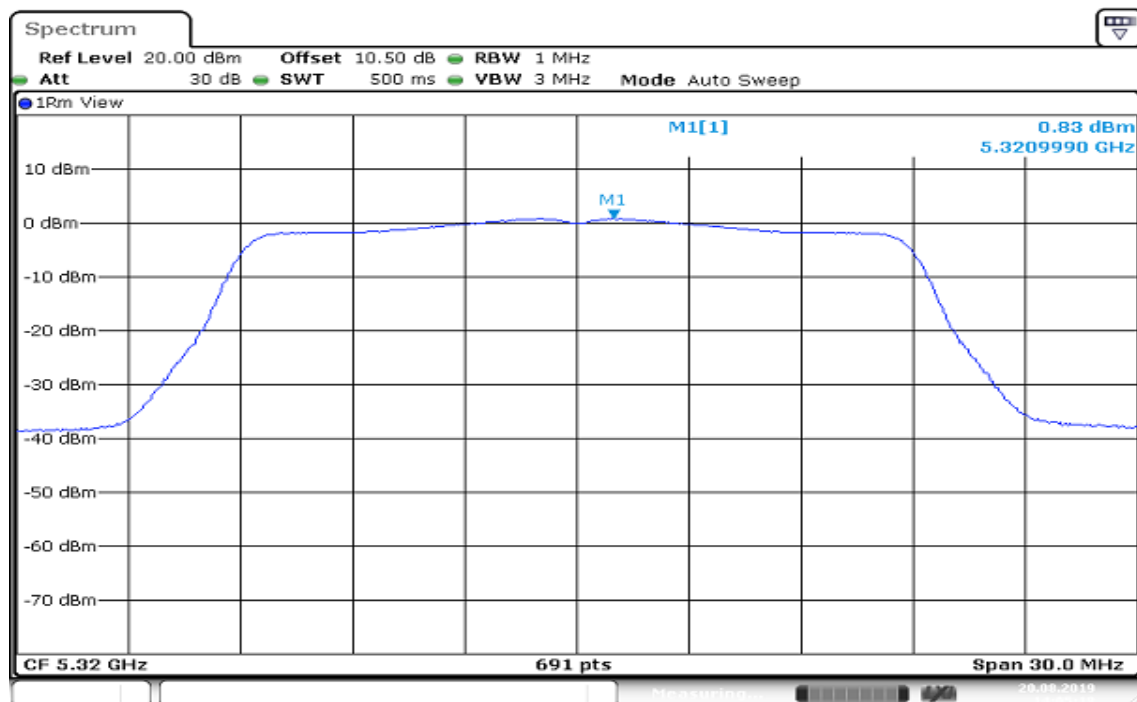




Report No.: T190725W05-RD4

Page: 200 / 218  
Rev.: 00

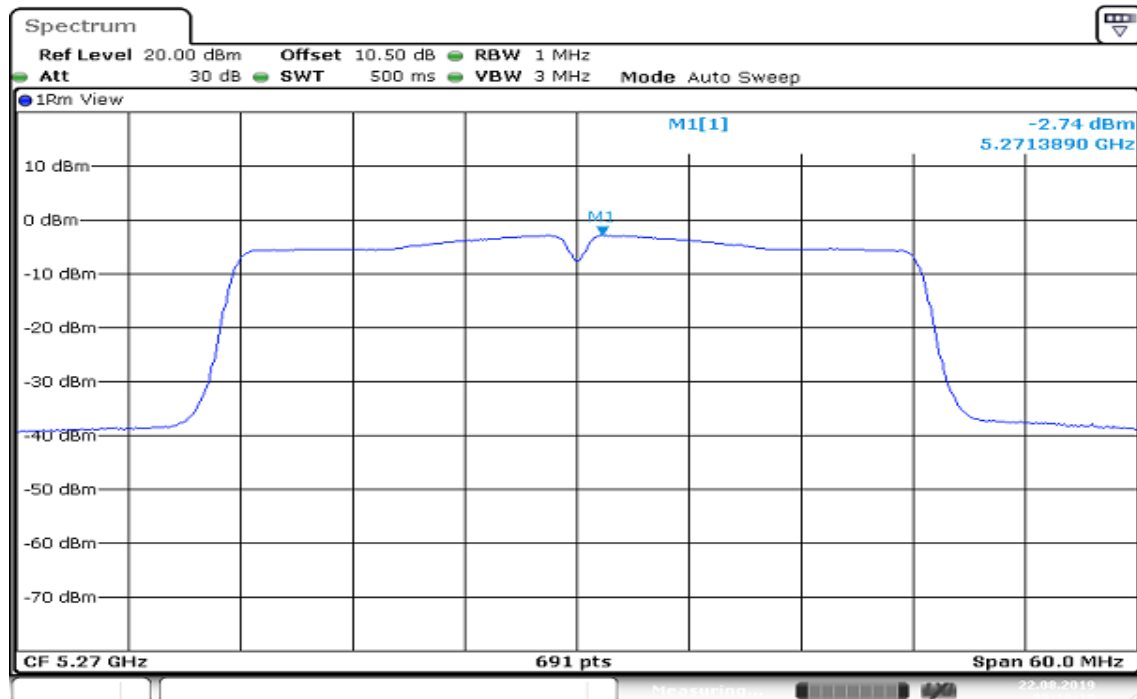
### 功率密度量測值 IEEE 802.11n HT20 MHz Mode / 5320MHz / Chain 0



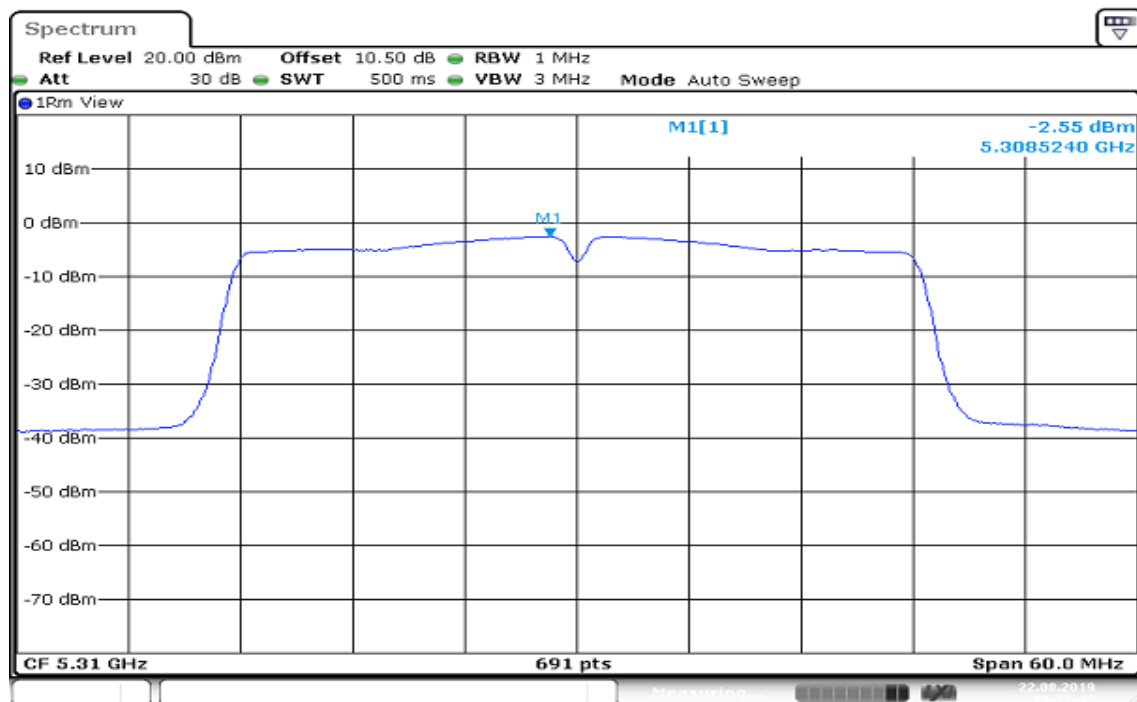
Date: 20.AUG.2019 14:05:18

Report No.: T190725W05-RD4

### 功率密度量測值 IEEE 802.11n HT40 MHz Mode / 5270MHz / Chain 0



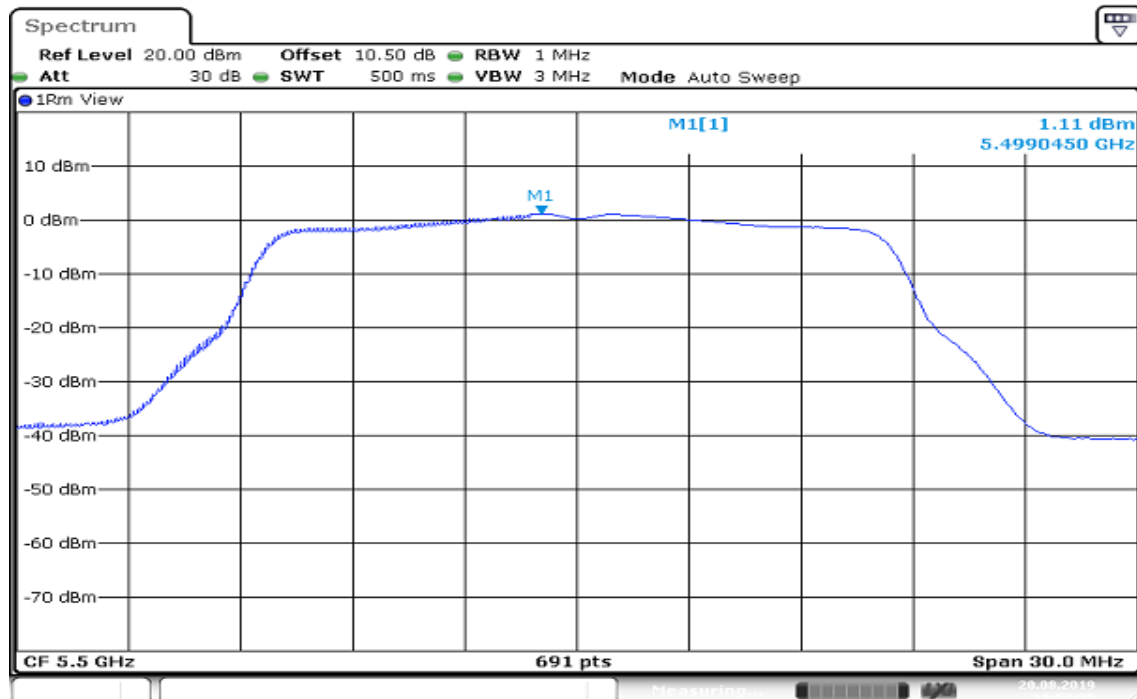
### 功率密度量測值 IEEE 802.11n HT40 MHz Mode / 5310MHz / Chain 0



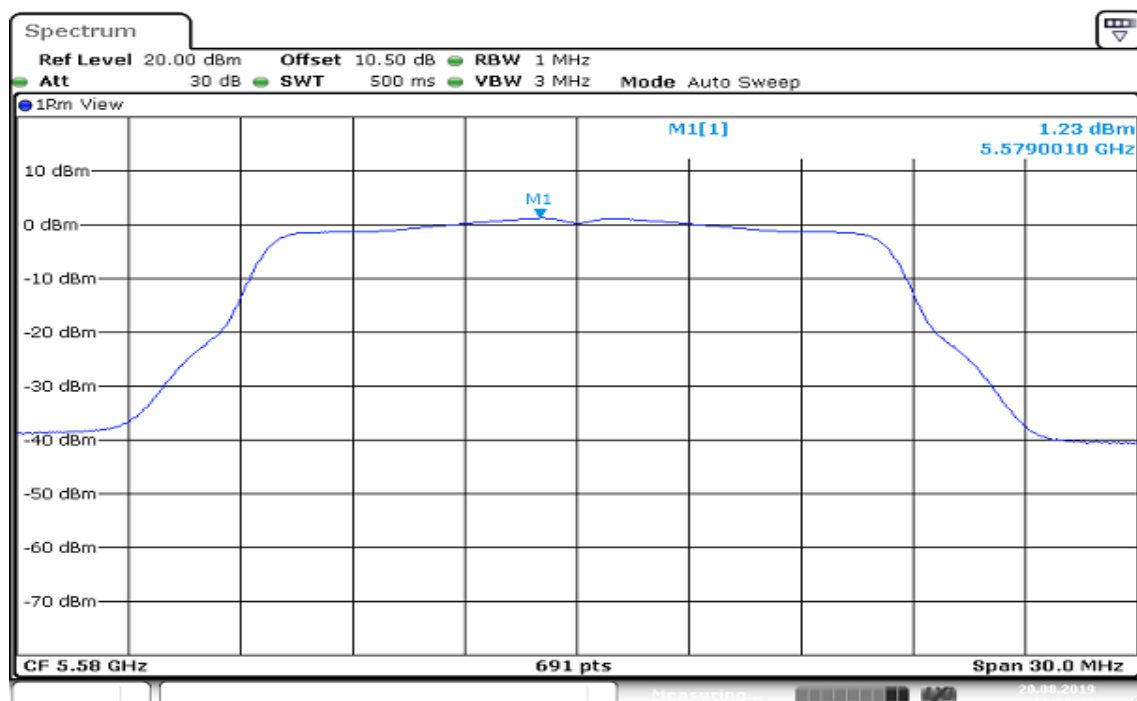
Report No.: T190725W05-RD4

### Band III

#### 功率密度量測值 IEEE 802.11a Mode / 5500MHz / Chain 0



#### 功率密度量測值 IEEE 802.11a Mode / 5580MHz / Chain 0



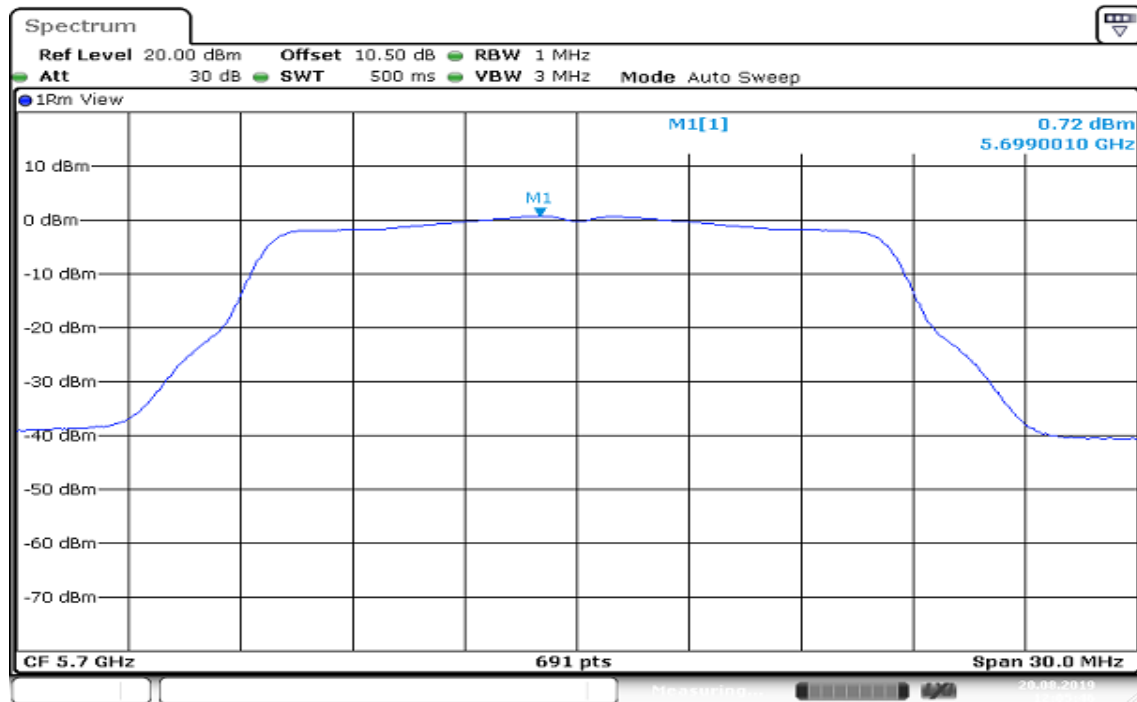


Report No.: T190725W05-RD4

Page: 203 / 218

Rev.: 00

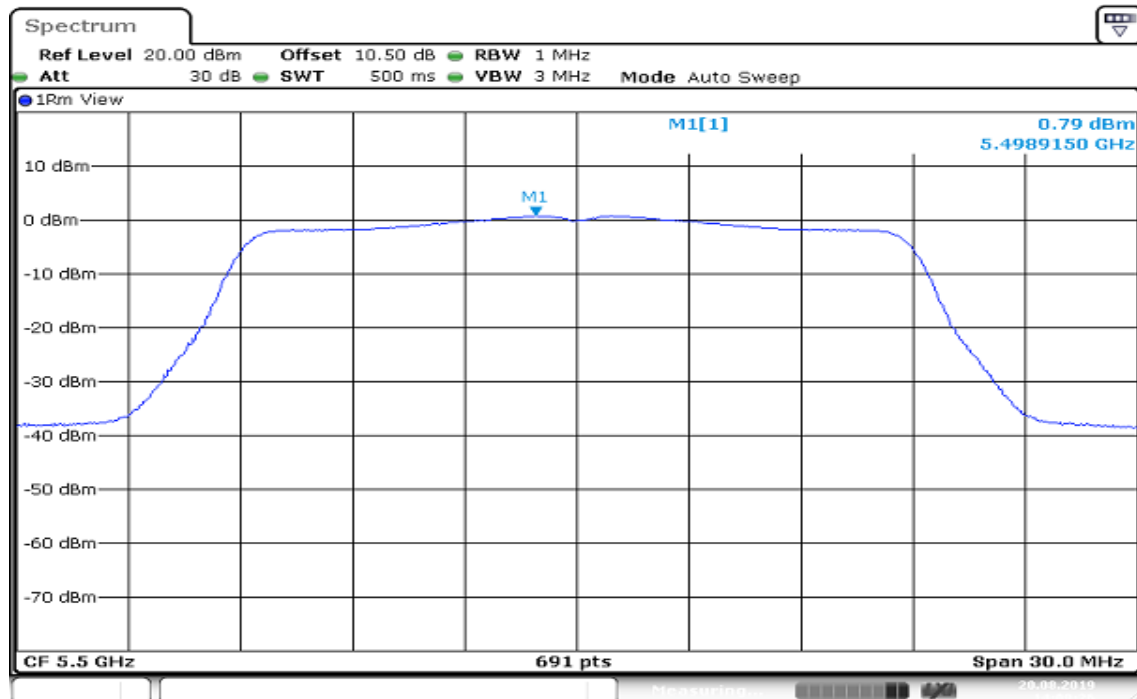
### 功率密度量測值 IEEE 802.11a Mode / 5700MHz / Chain 0



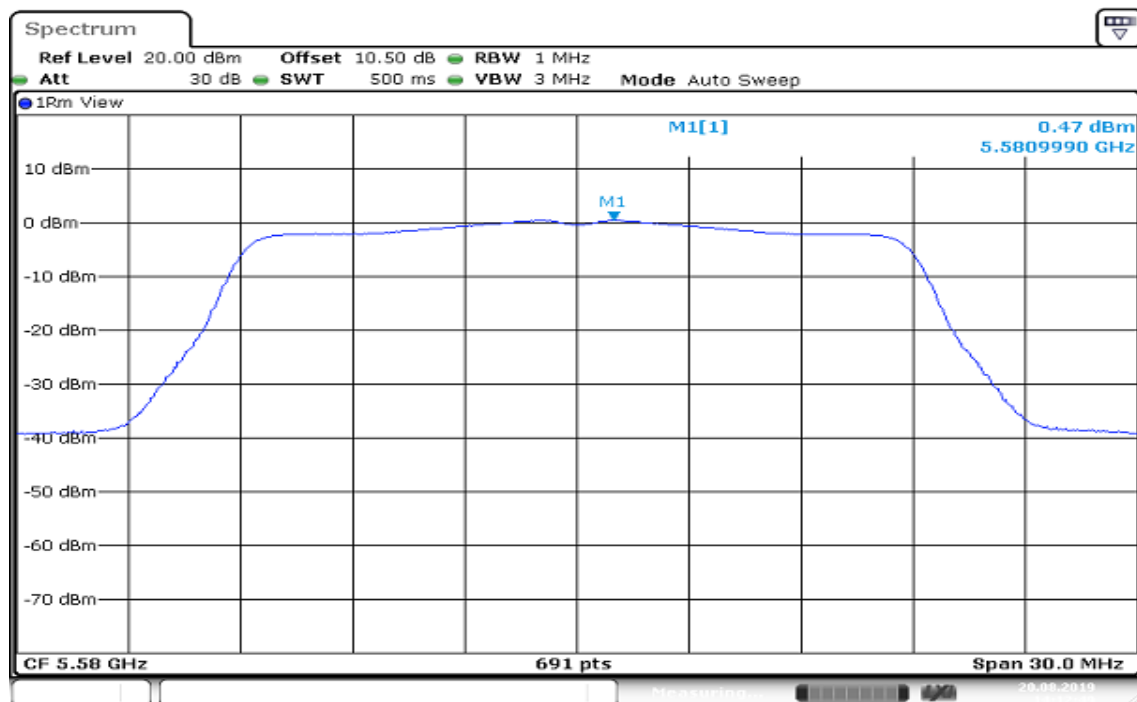
Date: 20.AUG.2019 12:05:46

Report No.: T190725W05-RD4

### 功率密度量測值 IEEE 802.11n HT20 MHz Mode / 5500MHz / Chain 0



### 功率密度量測值 IEEE 802.11n HT20 MHz Mode / 5580MHz / Chain 0



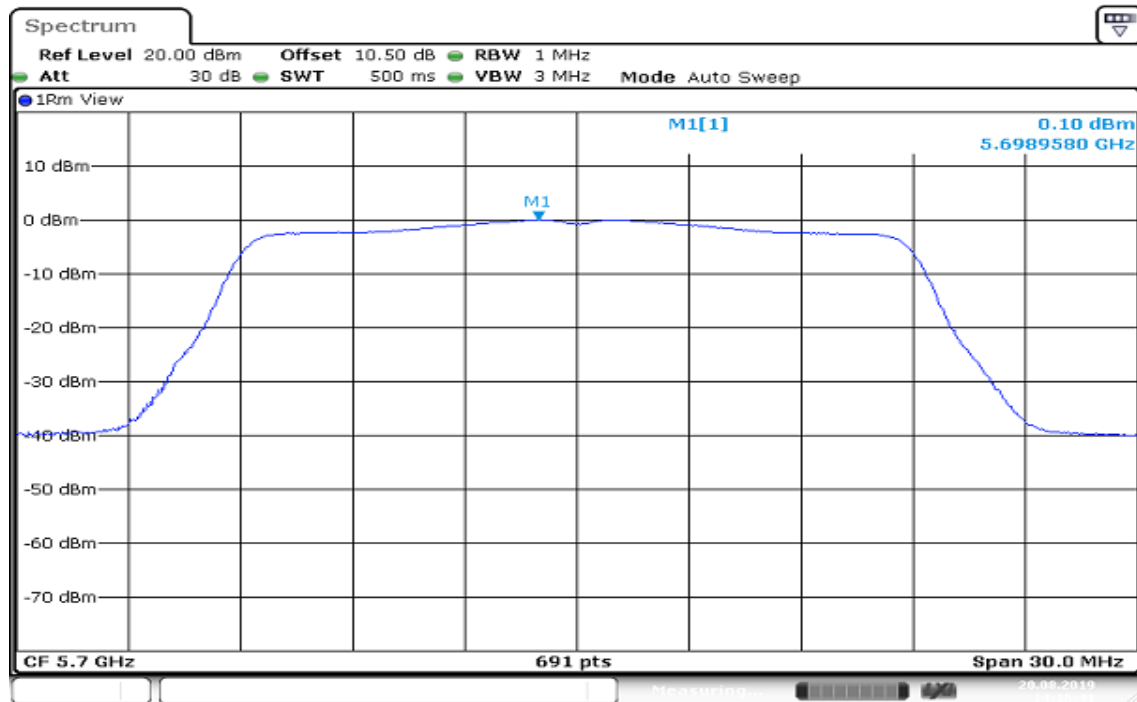


Report No.: T190725W05-RD4

Page: 205 / 218

Rev.: 00

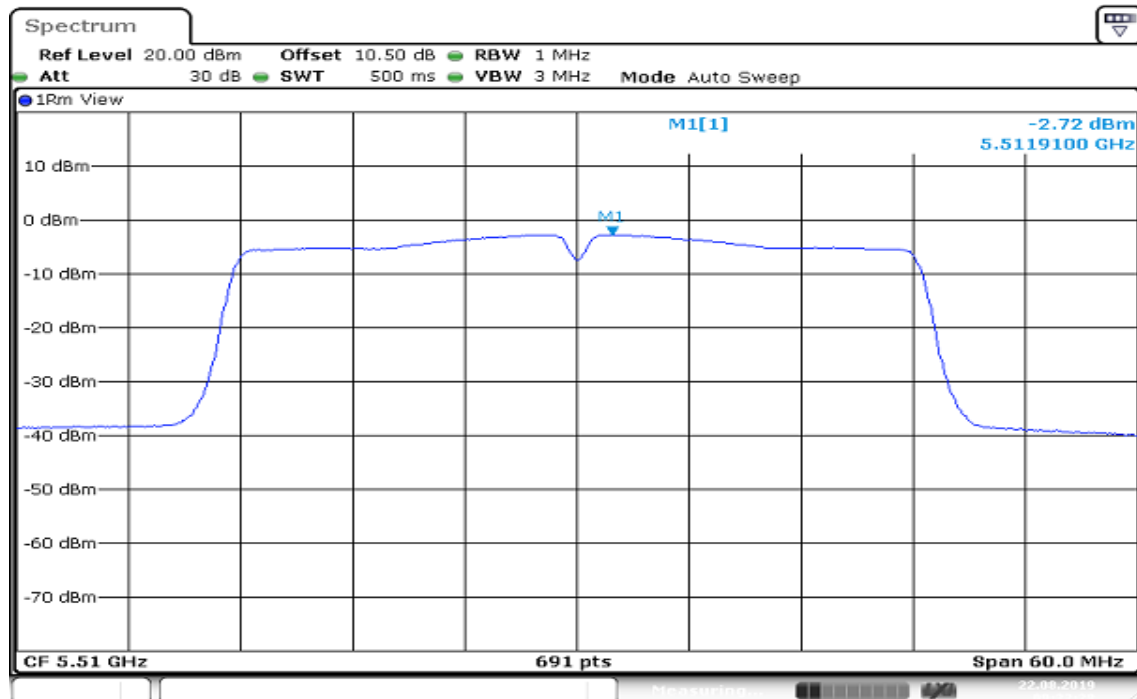
### 功率密度量測值 IEEE 802.11n HT20 MHz Mode / 5700MHz / Chain 0



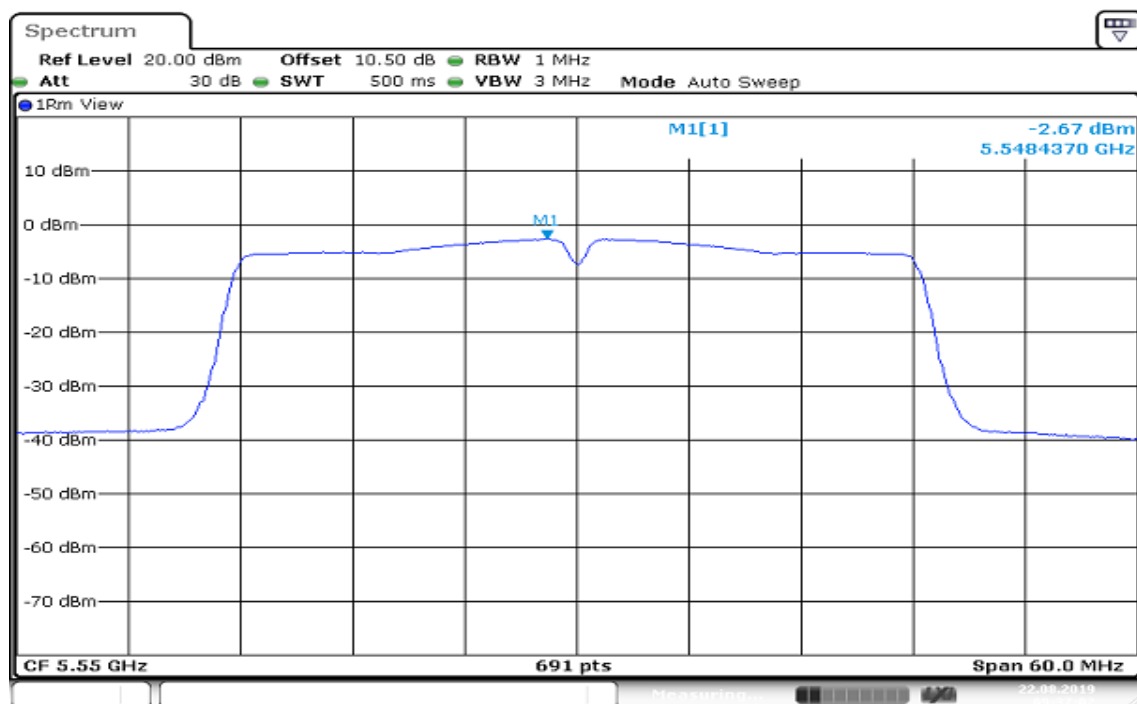
Date: 20.AUG.2019 14:16:42

Report No.: T190725W05-RD4

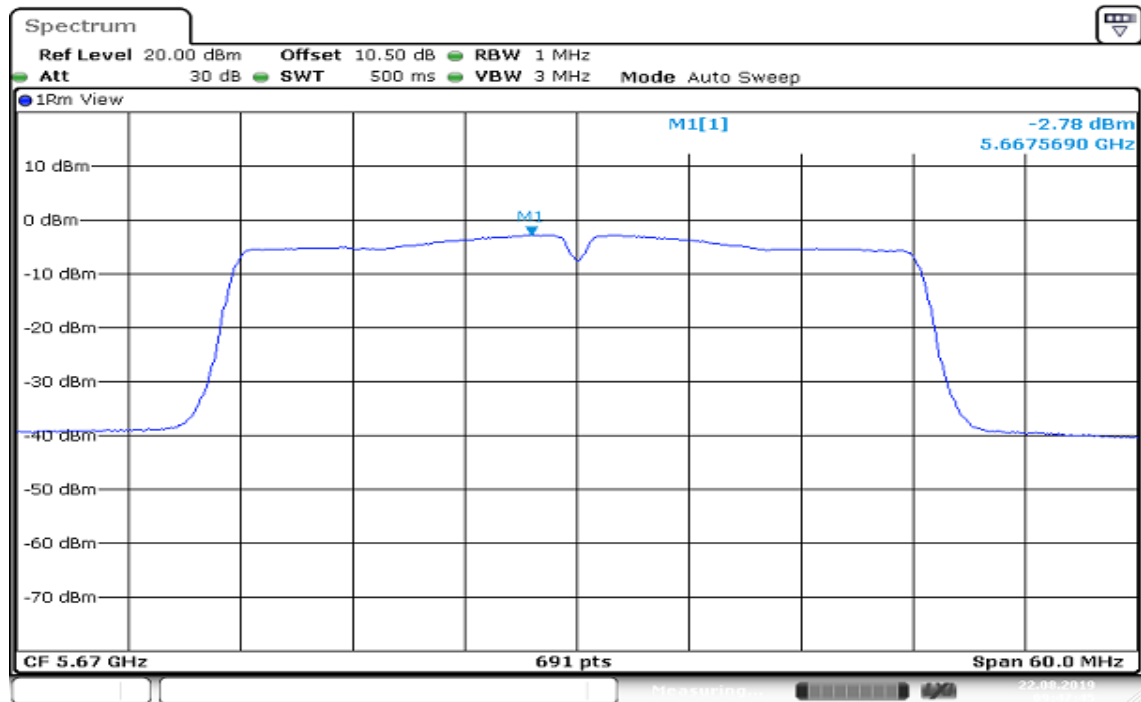
### 功率密度量測值 IEEE 802.11n HT40 MHz Mode / 5510MHz / Chain 0



### 功率密度量測值 IEEE 802.11n HT40 MHz Mode / 5550MHz / Chain 0



功率密度量測值 IEEE 802.11n HT40 MHz Mode / 5670MHz / Chain 0

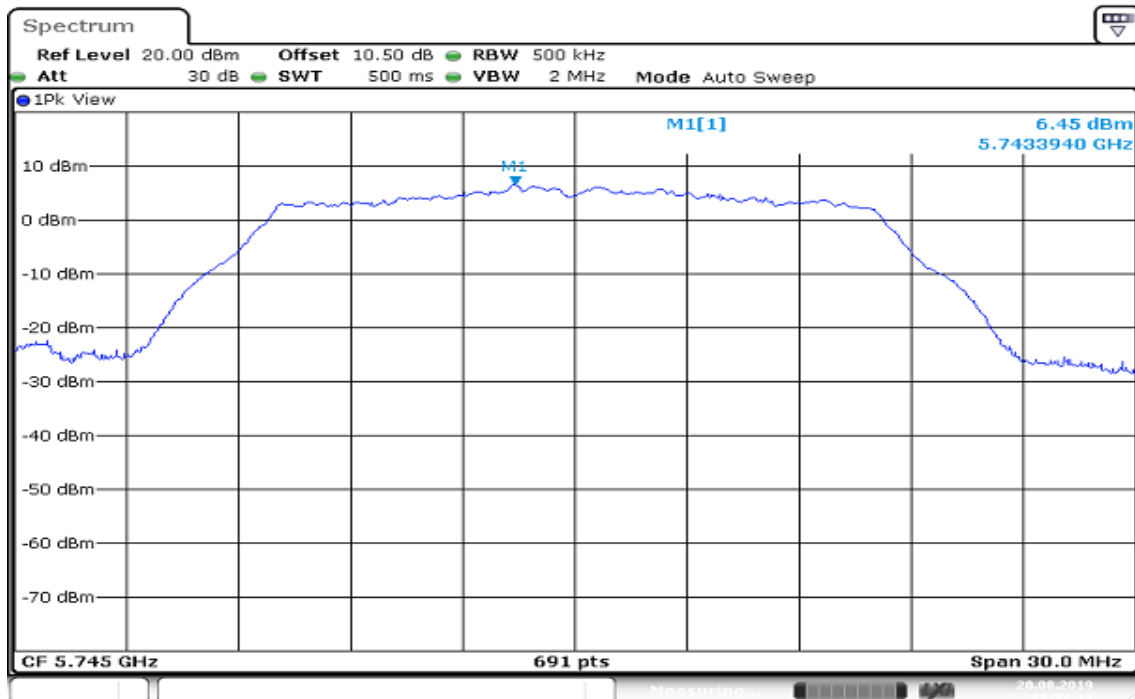


Date: 22.AUG.2019 09:47:45

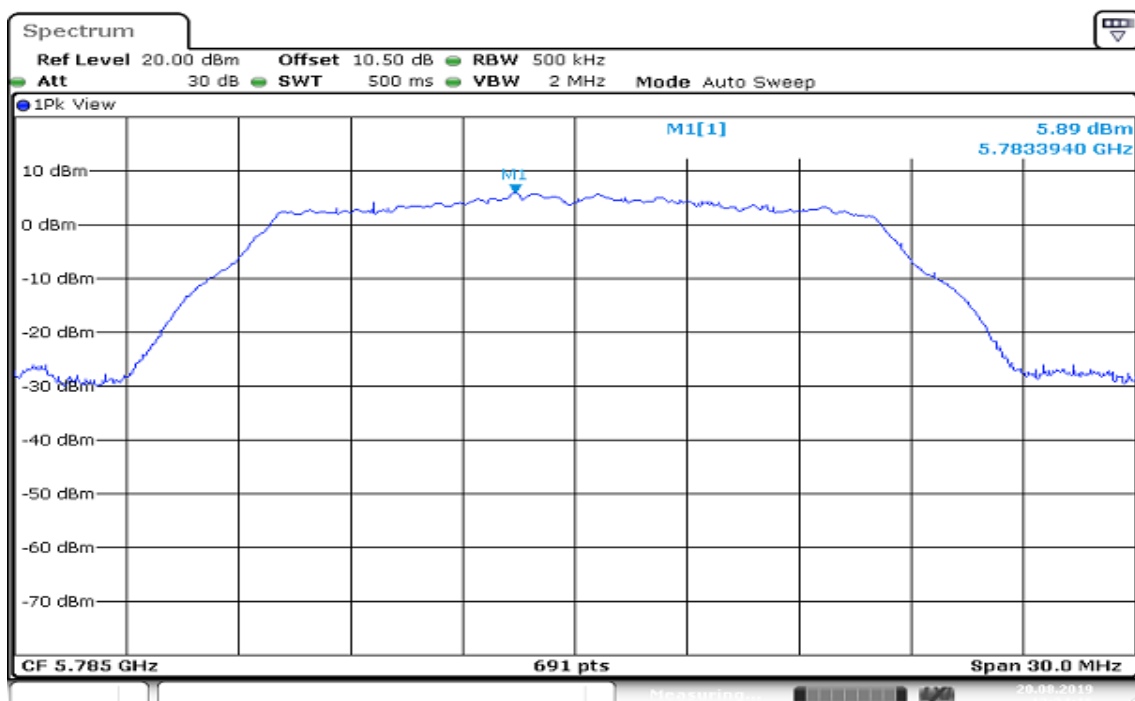
Report No.: T190725W05-RD4

## Band IV

### 功率密度量測值 IEEE 802.11a Mode/ 5745MHz / Chain 0



### 功率密度量測值 IEEE 802.11a Mode/ 5785MHz / Chain 0



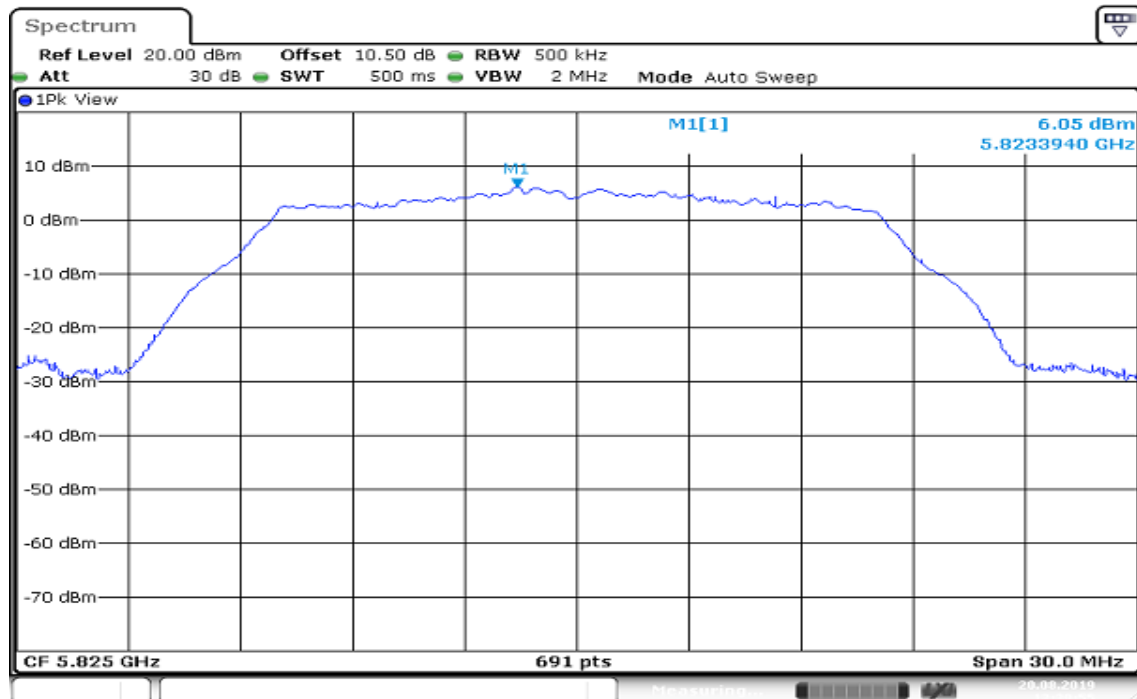


Report No.: T190725W05-RD4

Page: 209 / 218

Rev.: 00

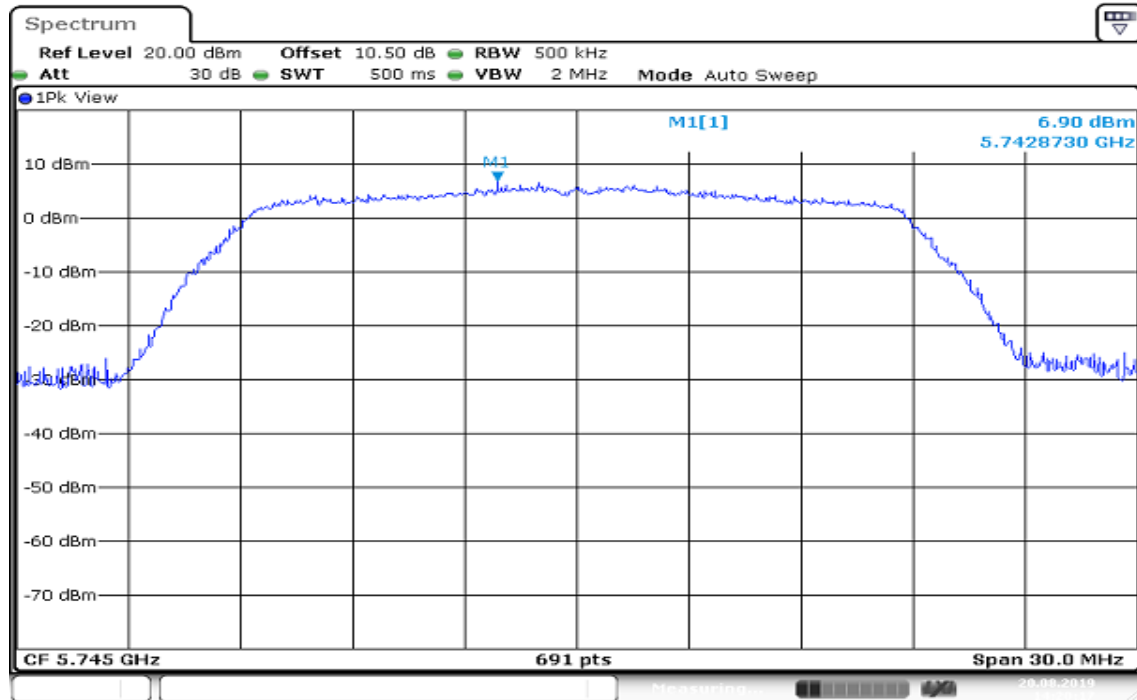
### 功率密度量測值 IEEE 802.11a Mode/ 5825MHz / Chain 0



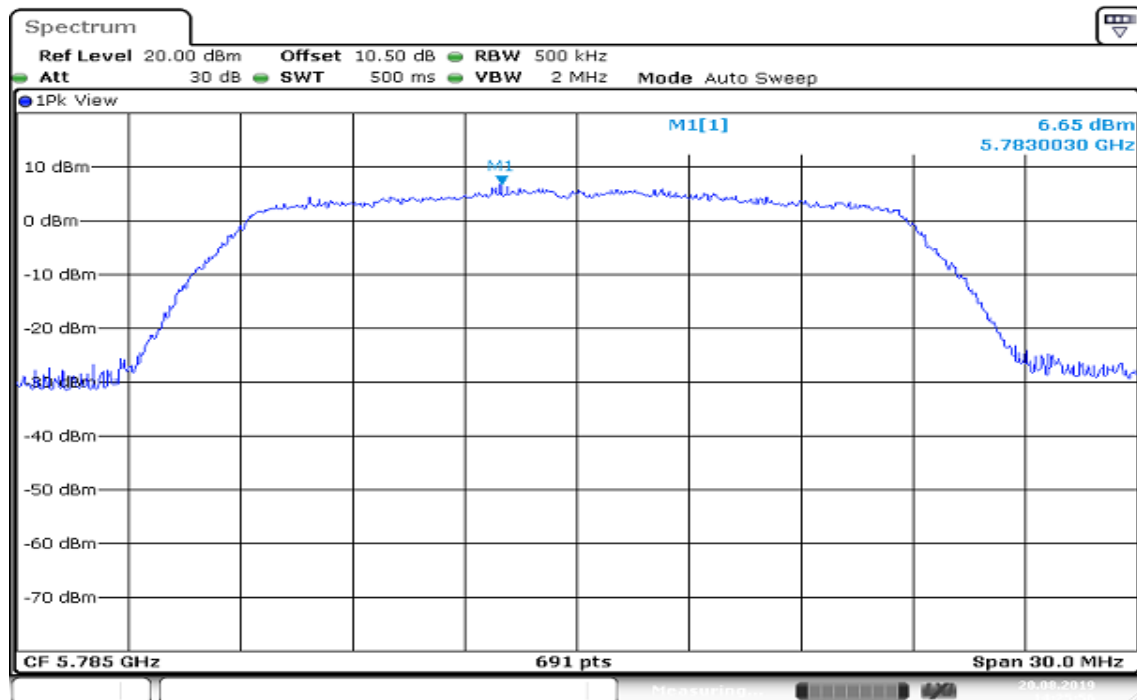
Date: 20.AUG.2019 13:39:56

Report No.: T190725W05-RD4

### 功率密度量測值 IEEE 802.11n HT20 MHz Mode/ 5745MHz / Chain 0



### 功率密度量測值 IEEE 802.11n HT20 MHz Mode/ 5785MHz / Chain 0



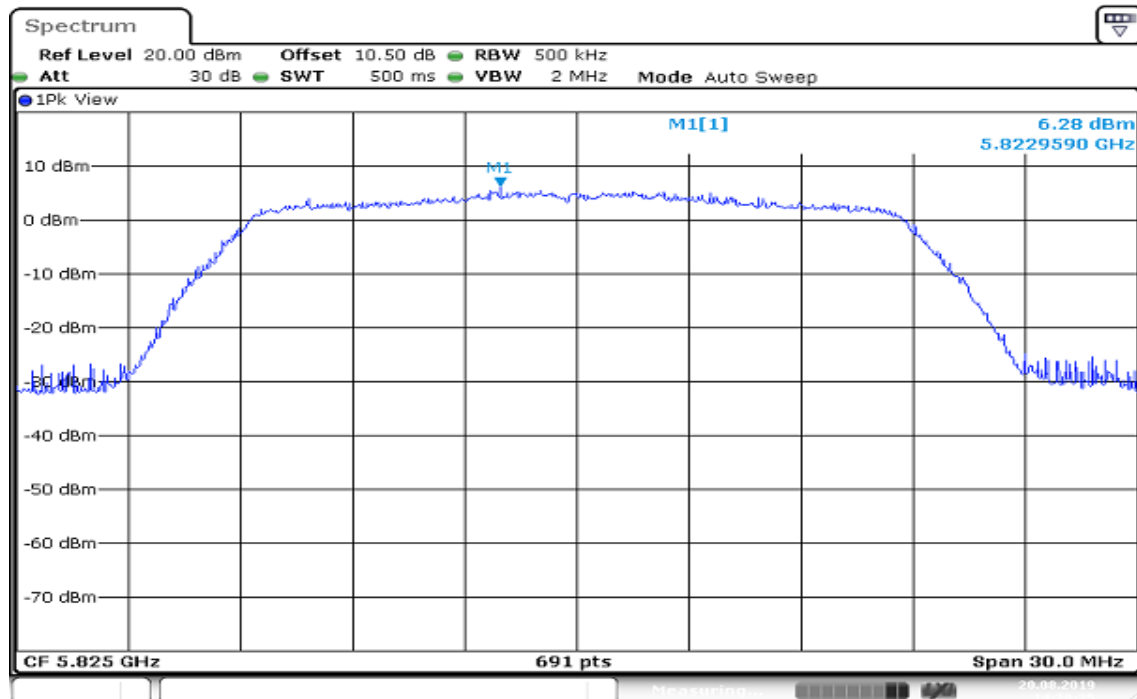


Report No.: T190725W05-RD4

Page: 211 / 218

Rev.: 00

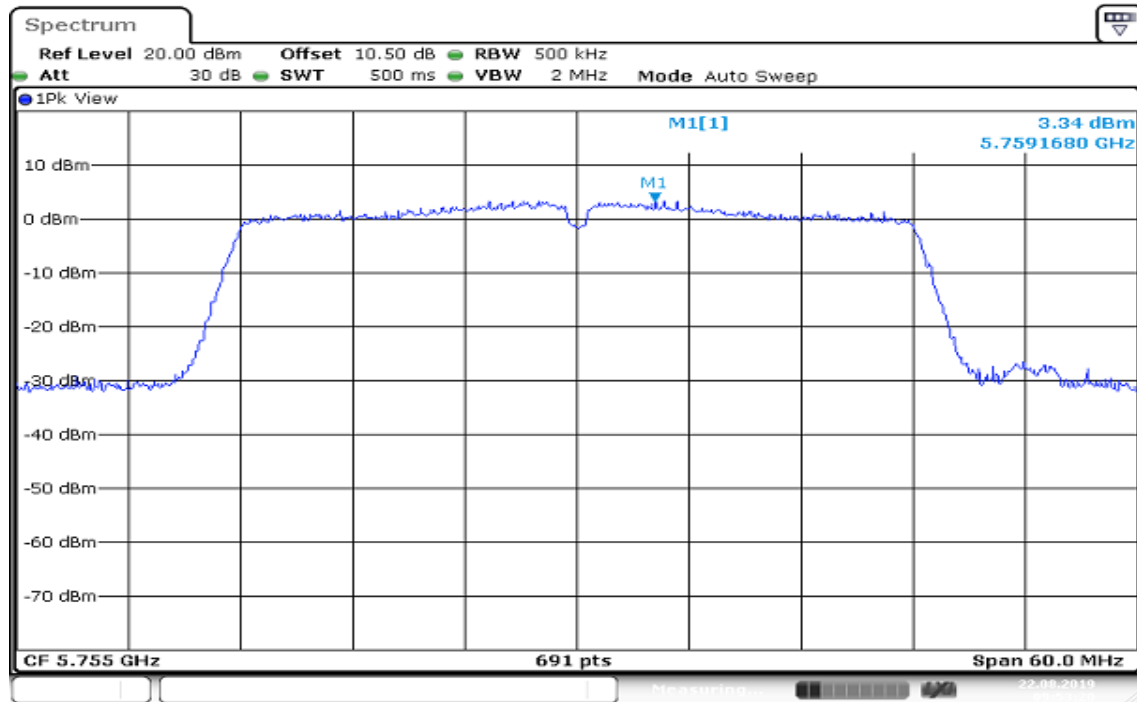
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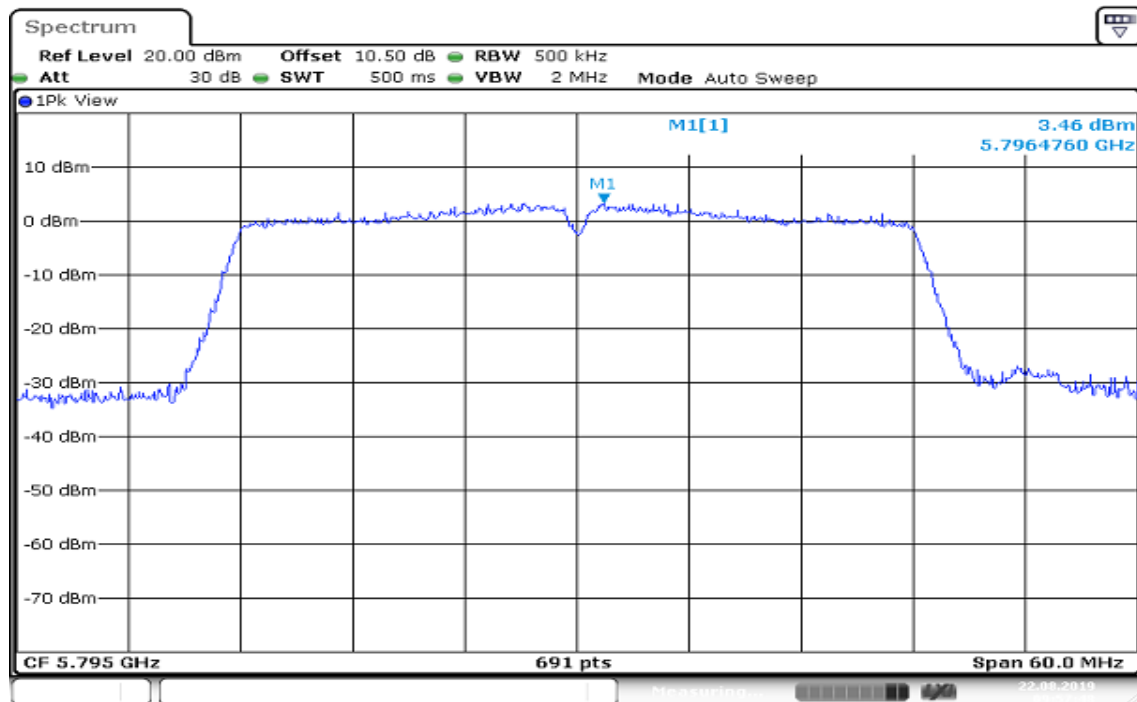
Date: 20.AUG.2019 14:29:36

Report No.: T190725W05-RD4

## 功率密度量測值 IEEE 802.11n HT40 MHz Mode/ 5755MHz / Chain 0



## 功率密度量測值 IEEE 802.11n HT40 MHz Mode/ 5795MHz / Chain 0



- End of Test Report -