

## 低功率射頻器材技術規範測試報告

|                    |                                         |
|--------------------|-----------------------------------------|
| 報告編號               | BBQZ-WTW-P20110410                      |
| 申請者                | 網件有限公司                                  |
| 產品名稱               | AX 三頻無線路由器                              |
| 型號                 | RAX70                                   |
| 製造廠商               | NETGEAR, Inc.                           |
| 商標或廠牌              | NETGEAR                                 |
| 該產品樣品試驗<br>依據之試驗標準 | 國家通訊傳播委員會低功率射頻器材技術規範<br>109 年 7 月 1 日訂定 |
| 試驗結果               | 合格                                      |

香港商立德國際商品試驗有限公司桃園分公司 林口實驗室  
日期 109 年 11 月 13 日

報告簽署人簽章:

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## 目 錄

|                              |           |
|------------------------------|-----------|
| 報告發行紀錄 .....                 | 5         |
| <b>1 低功率射頻器材量測記錄表 .....</b>  | <b>7</b>  |
| <b>2 一般敘述 .....</b>          | <b>9</b>  |
| 2.1 待測設備 .....               | 9         |
| 2.2 輔助測試之週邊設備描述 .....        | 19        |
| 2.3 測試架構圖 .....              | 19        |
| <b>3 適用規範 .....</b>          | <b>20</b> |
| 3.1 規範要求和參考 .....            | 20        |
| 3.2 限制使用之頻帶 .....            | 25        |
| <b>2.4GHz 頻段測試紀錄結果 .....</b> | <b>26</b> |
| <b>4 帶外發射之量測 .....</b>       | <b>26</b> |
| 4.1 適用標準 .....               | 26        |
| 4.2 量測方法 .....               | 26        |
| 4.3 量測儀器 .....               | 27        |
| 4.4 測試配置 .....               | 28        |
| 4.5 場強度之計算 .....             | 29        |
| 4.6 量測結果 .....               | 30        |
| 4.6.1 發射諧波 .....             | 30        |
| 4.6.2 接收諧波 .....             | 54        |
| 4.6.3 其它不必要之訊號 .....         | 56        |
| 4.7 帶外發射之量測 (傳導) .....       | 58        |
| 4.8 量測結果判定 .....             | 66        |
| 4.9 配置照片 .....               | 66        |
| <b>5 電源線傳導干擾之量測 .....</b>    | <b>67</b> |
| 5.1 適用標準 .....               | 67        |
| 5.2 量測方法 .....               | 67        |
| 5.3 量測儀器 .....               | 67        |
| 5.4 測試配置 .....               | 68        |
| 5.5 干擾值之計算 .....             | 68        |
| 5.6 量測結果 .....               | 69        |
| 5.7 量測結果判定 .....             | 70        |
| 5.8 配置照片 .....               | 70        |
| <b>6 發射(6 dB)頻寬之要求 .....</b> | <b>71</b> |
| 6.1 適用標準 .....               | 71        |
| 6.2 量測方法 .....               | 71        |
| 6.3 量測儀器 .....               | 71        |
| 6.4 測試配置 .....               | 71        |
| 6.5 量測結果 .....               | 72        |
| 6.6 量測結果判定 .....             | 73        |
| <b>7 峰值傳導輸出功率之量測 .....</b>   | <b>74</b> |
| 7.1 適用標準 .....               | 74        |
| 7.2 量測方法 .....               | 74        |
| 7.3 量測儀器 .....               | 74        |
| 7.4 測試配置 .....               | 74        |
| 7.5 量測結果 .....               | 75        |

|           |                                |            |
|-----------|--------------------------------|------------|
| 7.6       | 量測結果判定.....                    | 77         |
| <b>8</b>  | <b>功率頻譜密度之量測 .....</b>         | <b>78</b>  |
| 8.1       | 適用標準 .....                     | 78         |
| 8.2       | 量測方法 .....                     | 78         |
| 8.3       | 量測儀器 .....                     | 78         |
| 8.4       | 測試配置 .....                     | 78         |
| 8.5       | 量測結果 .....                     | 79         |
| 8.6       | 量測結果判定.....                    | 81         |
|           | <b>U-NII 頻段測試紀錄結果.....</b>     | <b>82</b>  |
| <b>9</b>  | <b>帶外發射之量測.....</b>            | <b>82</b>  |
| 9.1       | 適用標準 .....                     | 82         |
| 9.2       | 量測方法 .....                     | 82         |
| 9.3       | 量測儀器 .....                     | 82         |
| 9.4       | 測試配置 .....                     | 82         |
| 9.5       | 場強度之計算.....                    | 83         |
| 9.6       | 量測結果 .....                     | 84         |
| 9.6.1     | 發射諧波 .....                     | 84         |
| 9.6.2     | 接收諧波 .....                     | 188        |
| 9.6.3     | 其它不必要之訊號.....                  | 192        |
| 9.7       | 量測結果判定.....                    | 195        |
| 9.8       | 配置照片 .....                     | 195        |
| <b>10</b> | <b>電源線傳導干擾之量測.....</b>         | <b>196</b> |
| 10.1      | 適用標準 .....                     | 196        |
| 10.2      | 量測方法 .....                     | 196        |
| 10.3      | 量測儀器 .....                     | 196        |
| 10.4      | 測試配置 .....                     | 196        |
| 10.5      | 干擾值之計算 .....                   | 196        |
| 10.6      | 量測結果 .....                     | 197        |
| 10.7      | 量測結果判定 .....                   | 200        |
| 10.8      | 配置照片 .....                     | 200        |
| <b>11</b> | <b>峰值傳導輸出功率量測及發射頻寬之要求.....</b> | <b>201</b> |
| 11.1      | 適用標準 .....                     | 201        |
| 11.2      | 量測方法 .....                     | 201        |
| 11.3      | 量測儀器 .....                     | 201        |
| 11.4      | 測試配置 .....                     | 201        |
| 11.5      | 量測結果 .....                     | 202        |
| 11.6      | 量測結果判定 .....                   | 235        |
| <b>12</b> | <b>功率頻譜密度之量測 .....</b>         | <b>236</b> |
| 12.1      | 適用標準 .....                     | 236        |
| 12.2      | 量測方法 .....                     | 236        |
| 12.3      | 量測儀器 .....                     | 236        |
| 12.4      | 測試配置 .....                     | 236        |
| 12.5      | 量測結果 .....                     | 237        |
| 12.6      | 量測結果判定 .....                   | 245        |
| <b>13</b> | <b>6 dB 頻寬之要求 .....</b>        | <b>246</b> |
| 13.1      | 適用標準 .....                     | 246        |
| 13.2      | 量測方法 .....                     | 246        |

|                                 |                             |            |
|---------------------------------|-----------------------------|------------|
| 13.3                            | 量測儀器 .....                  | 246        |
| 13.4                            | 測試配置 .....                  | 246        |
| 13.5                            | 量測結果 .....                  | 247        |
| 13.6                            | 量測結果判定 .....                | 248        |
| <b>Co-Located 測試項目及結果 .....</b> |                             | <b>249</b> |
| <b>14</b>                       | <b>場強輻射及開放頻帶邊緣之量測 .....</b> | <b>249</b> |
| 14.1                            | 適用標準 .....                  | 249        |
| 14.2                            | 量測方法 .....                  | 249        |
| 14.3                            | 量測儀器 .....                  | 249        |
| 14.4                            | 測試配置 .....                  | 249        |
| 14.5                            | 場強度之計算 .....                | 249        |
| 14.6                            | 量測結果 .....                  | 250        |
| 14.6.1                          | 發射諧波 .....                  | 250        |
| 14.6.2                          | 其它不必要之訊號 .....              | 260        |
| 14.7                            | 量測結果判定 .....                | 263        |
| 14.8                            | 配置照片 .....                  | 263        |
| <b>15</b>                       | <b>電波暴露量之評估 .....</b>       | <b>264</b> |
| 15.1                            | 適用標準 .....                  | 264        |
| 15.2                            | 評估方法 .....                  | 264        |
| 15.3                            | 評估結果 .....                  | 265        |
| <b>附錄：動態頻率選擇 .....</b>          |                             | <b>266</b> |
| <b>16</b>                       | <b>檢測實驗室基本資料 .....</b>      | <b>815</b> |

## 報告發行紀錄

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# 證 明 書

發行日期：109 年 11 月 13 日

產 品 名 稱：AX 三頻無線路由器  
商 標：NETGEAR  
型 號：RAX70  
申 請 者：網件有限公司  
量 測 規 範：低功率射頻器材技術規範 LP0002 (訂定日期：109 年 7 月 1 日)  
ANSI C63.10-2013

香港商立德國際商品試驗有限公司桃園分公司在此證明上述待測設備樣品一組(型號：RAX70)，收件日期 109 年 07 月 10 日，於 109 年 07 月 14 日至 109 年 08 月 25 日，在本公司之標準測試場地完成量測並於 109 年 10 月 02 日取得 FCC 認證，而此案為加作 NCC 低功率射頻器材型式認證申請。報告中所描述之測試結果和待測設備的架構組合，均根據樣品實際的量測情況作詳實的記錄。

立德桃園分公司依“低功率射頻器材技術規範”及“電信管制射頻器材審驗管理辦法”製作測試結果報告。

特 此 證 明 ！

報告製作者：

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， 日 期：

109 年 11 月 13 日

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， 日 期：

109 年 11 月 13 日

香港商立德國際商品試驗有限公司桃園分公司

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此份報告不得摘錄複製，除全份  
複製外，需經實驗室書面同意。



## 1 低功率射頻器材量測記錄表

申請廠商：網件有限公司

製造廠商：NETGEAR, Inc.

申請廠商地址：台北市內湖區基湖路3巷9號3樓

廠牌：NETGEAR

產品名稱：AX 三頻無線路由器

型號：RAX70

量測單位名稱：香港商立德國際商品試驗有限公司桃園分公司

林口實驗室華亞檢測部

量測單位地址：桃園市龜山區文化里華亞二路19號

量測單位認可編號：TAF 2021 (9kHz~40GHz)

量測規範：低功率射頻器材技術規範 LP0002 (訂定日期：109 年 7 月 1 日)  
ANSI C63.10-2013

### WLAN 2.4GHz 頻段概要

| 項次 | 量測項目     | 規 範                    | 量測結果判定 |
|----|----------|------------------------|--------|
| 1  | 帶外發射     | 低功率射頻器材技術規範 4.10.1.5 節 | 合格     |
| 2  | 電源線傳導干擾  | 低功率射頻器材技術規範 3.3 節      | 合格     |
| 3  | 6 dB 頻寬  | 低功率射頻器材技術規範 4.10.1.6 節 | 合格     |
| 4  | 峰值傳導輸出功率 | 低功率射頻器材技術規範 4.10.1.2 節 | 合格     |
| 5  | 功率頻譜密度   | 低功率射頻器材技術規範 4.10.1.6 節 | 合格     |

### WLAN 5.150~5.250GHz頻段概要

| 項次 | 量測項目     | 規 範                 | 量測結果判定 |
|----|----------|---------------------|--------|
| 1  | 電源線傳導干擾  | 低功率射頻器材技術規範3.3節     | 合格     |
| 2  | 帶外發射     | 低功率射頻器材技術規範5.7.4節   | 合格     |
| 3  | 最大傳導輸出功率 | 低功率射頻器材技術規範5.7.3.1節 | 合格     |
| 4  | 最大功率頻譜密度 | 低功率射頻器材技術規範5.7.3.1節 | 合格     |

#### WLAN 5.250~5.350GHz頻段概要

| 項次 | 量測項目                    | 規 範                             | 量測結果判定 |
|----|-------------------------|---------------------------------|--------|
| 1  | 電源線傳導干擾                 | 低功率射頻器材技術規範 3.3 節               | 合格     |
| 2  | 帶外發射                    | 低功率射頻器材技術規範 5.7.4 節             | 合格     |
| 3  | 最大傳導輸出功率                | 低功率射頻器材技術規範 5.7.3.2 節           | 合格     |
| 4  | 最大功率頻譜密度                | 低功率射頻器材技術規範 5.7.3.2 節           | 合格     |
| 5  | 發射功率控制(TPC)及動態頻率選擇(DFS) | 低功率射頻器材技術規範 5.7.7.1 及 5.7.7.2 節 | 合格     |

#### WLAN 5.470~5.725GHz頻段概要

| 項次 | 量測項目                    | 規 範                          | 量測結果判定 |
|----|-------------------------|------------------------------|--------|
| 1  | 電源線傳導干擾                 | 低功率射頻器材技術規範3.3節              | 合格     |
| 2  | 帶外發射                    | 低功率射頻器材技術規範5.7.4節            | 合格     |
| 3  | 最大傳導輸出功率                | 低功率射頻器材技術規範5.7.3.2節          | 合格     |
| 4  | 最大功率頻譜密度                | 低功率射頻器材技術規範5.7.3.2節          | 合格     |
| 5  | 發射功率控制(TPC)及動態頻率選擇(DFS) | 低功率射頻器材技術規範5.7.7.1及5.7.7.2 節 | 合格     |

#### WLAN 5.725~5.850GHz 頻段概要

| 項次 | 量測項目     | 規 範                 | 量測結果判定 |
|----|----------|---------------------|--------|
| 1  | 電源線傳導干擾  | 低功率射頻器材技術規範3.3節     | 合格     |
| 2  | 帶外發射     | 低功率射頻器材技術規範5.7.4節   | 合格     |
| 3  | 最大傳導輸出功率 | 低功率射頻器材技術規範5.7.3.3節 | 合格     |
| 4  | 最大功率頻譜密度 | 低功率射頻器材技術規範5.7.3.3節 | 合格     |
| 5  | 6dB 頻寬   | 低功率射頻器材技術規範5.7.5節   | 合格     |

#### 最大暴露允許值(Maximum Permissible Exposure , MPE)

| 項次 | 量測項目  | 規 範                  | 量測結果判定 |
|----|-------|----------------------|--------|
| 1  | 電波暴露量 | 低功率射頻器材技術規範 6.20.2 節 | 合格     |

備註: 量測結果之判定不考慮量測不確定度的貢獻。

## 2 一般敘述

### 2.1 待測設備

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 產品名稱： | AX 三頻無線路由器                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 型號：   | RAX70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 額定電源： | 12Vdc (adapter)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 調變技術： | CCK, DQPSK, DBPSK for DSSS<br>256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM<br>1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 傳輸速率： | 2.4GHz:<br>802.11b: 11/5.5/2/1Mbps<br>802.11g: 54/48/36/24/18/12/9/6Mbps<br>802.11n (HT20/HT40): up to 300Mbps<br>802.11n (VHT20/VHT40): up to 500Mbps<br>802.11ax(HE20/HE40): up to 600Mbps<br>5GHz:<br>802.11a: 54/48/36/24/18/12/9/6Mbps<br>802.11n (HT20/HT40): up to 600Mbps<br>802.11ac (VHT20/VHT40/VHT80/VHT160): up to 4333Mbps<br>802.11ax (HE20/HE40/HE80/HE160): up to 4804Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 載波頻率： | 2.4GHz:<br>2412~2462MHz<br>5GHz:<br>5180~5240MHz, 5260~5320MHz, 5500~5720MHz, 5745~5825MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 頻道數：  | 2.4GHz:<br>802.11b, 802.11g, 802.11n (HT20), 802.11n (VHT20), 802.11ax (HE20): 11<br>802.11n (HT40), 802.11n (VHT40), 802.11ax (HE40): 7<br>5.0GHz:<br>5180 ~ 5240MHz:<br>802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 4<br>802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 2<br>802.11ac (VHT80), 802.11ax (HE80): 1<br>5260 ~ 5320MHz:<br>802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 4<br>802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 2<br>802.11ac (VHT80), 802.11ax (HE80): 1<br>5500 ~ 5720MHz:<br>802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 12<br>802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 6<br>802.11ac (VHT80), 802.11ax (HE80): 3<br>802.11ac (VHT160), 802.11ax (HE160): 1<br>5745 ~ 5825MHz:<br>802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 5<br>802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 2<br>802.11ac (VHT80), 802.11ax (HE80): 1 |

|        |      |
|--------|------|
| 發射功率：  | 見註 5 |
| 天線種類：  | 見註 2 |
| 電源線類別： | NA   |
| 信號線類別： | 見註 6 |
| 配件：    | 見註 6 |

**註1：** 待測設備之技術的種類為4Tx/4Rx之組合。

| Band           | Modulation Mode   | Beamforming Mode | TX Function |
|----------------|-------------------|------------------|-------------|
| 2.4GHz         | 802.11b           | Not Support      | 2TX         |
|                | 802.11g           | Not Support      | 2TX         |
|                | 802.11n (HT20)    | Support          | 2TX         |
|                | 802.11n (HT40)    | Support          | 2TX         |
|                | 802.11n (VHT20)   | Support          | 2TX         |
|                | 802.11n (VHT40)   | Support          | 2TX         |
|                | 802.11ax (HE20)   | Support          | 2TX         |
|                | 802.11ax (HE40)   | Support          | 2TX         |
| 5GHz Band 1, 2 | 802.11a           | Not Support      | 2TX         |
|                | 802.11n (HT20)    | Support          | 2TX         |
|                | 802.11n (HT40)    | Support          | 2TX         |
|                | 802.11ac (VHT20)  | Support          | 2TX         |
|                | 802.11ac (VHT40)  | Support          | 2TX         |
|                | 802.11ac (VHT80)  | Support          | 2TX         |
|                | 802.11ax (HE20)   | Support          | 2TX         |
|                | 802.11ax (HE40)   | Support          | 2TX         |
| 5GHz Band 3    | 802.11a           | Not Support      | 4TX         |
|                | 802.11n (HT20)    | Support          | 4TX         |
|                | 802.11n (HT40)    | Support          | 4TX         |
|                | 802.11ac (VHT20)  | Support          | 4TX         |
|                | 802.11ac (VHT40)  | Support          | 4TX         |
|                | 802.11ac (VHT80)  | Support          | 4TX         |
|                | 802.11ac (VHT160) | Support          | 4TX         |
|                | 802.11ax (HE20)   | Support          | 4TX         |
|                | 802.11ax (HE40)   | Support          | 4TX         |
|                | 802.11ax (HE80)   | Support          | 4TX         |
|                | 802.11ax (HE160)  | Support          | 4TX         |
| 5GHz Band 4    | 802.11a           | Not Support      | 4TX         |
|                | 802.11n (HT20)    | Support          | 4TX         |
|                | 802.11n (HT40)    | Support          | 4TX         |
|                | 802.11ac (VHT20)  | Support          | 4TX         |
|                | 802.11ac (VHT40)  | Support          | 4TX         |
|                | 802.11ac (VHT80)  | Support          | 4TX         |
|                | 802.11ax (HE20)   | Support          | 4TX         |
|                | 802.11ax (HE40)   | Support          | 4TX         |
|                | 802.11ax (HE80)   | Support          | 4TX         |

\* The bandwidth and modulation are similar for HT20/HT40/VHT20/VTH40 on 802.11n mode and VHT20/VHT40/VHT80/VHT160 on 802.11ac mode and HE20/HE40/HE80/HE160 on 802.11ax mode. Therefore the investigated worst case is the representative mode in test report. (Final test mode refer note 7)

\* For 802.11n/ax, CDD mode and Beamforming mode are presented in power output test item.

註2: 此待測設備搭配測試的天線，其資料如下：

| 項次 | 天線型式   | 廠牌 / 製造商    | 型號              | 天線增益<br>(dBi) Direction Gain                                                 | 支援頻段                               |
|----|--------|-------------|-----------------|------------------------------------------------------------------------------|------------------------------------|
| 1  | Dipole | Master Wave | 2.4G & 5GL Ant0 | 2.4GHz: 4.15<br>5.2GHz: 6.18<br>5.3GHz: 6.11<br>5.5GHz: 7.38<br>5.8GHz: 6.61 | 2.4GHz~2.5GHz, 5.15GHz~5.35GHz     |
| 2  |        |             | 2.4G & 5GL Ant1 |                                                                              | 2.4GHz~2.5GHz, 5.15GHz~5.35GHz     |
| 3  |        |             | 5GH Ant0        |                                                                              | 5.47GHz~5.725GHz, 5.725GHz~5.85GHz |
| 4  |        |             | 5GH Ant1        |                                                                              | 5.47GHz~5.725GHz, 5.725GHz~5.85GHz |
| 5  |        |             | 5GH Ant2        |                                                                              | 5.47GHz~5.725GHz, 5.725GHz~5.85GHz |
| 6  |        |             | 5GH Ant3        |                                                                              | 5.47GHz~5.725GHz, 5.725GHz~5.85GHz |

\*For detailed antenna information, please refer to the antenna report.

\*上述天線的規格資訊由申請者聲明，實驗室不承擔任何責任。

註3: The EUT has two different solutions by thermal pad on PCB, and the Option A was the worst case for final test.

| Option   | Solution             | Remark          |
|----------|----------------------|-----------------|
| Option A | PCB with thermal pad | Different size. |
| Option B |                      |                 |

註4: WLAN 2.4GHz & WLAN 5GHz technology can transmit at same time.

註5: 發射功率如下。

| 2.4GHz Band       | CDD Mode (dBm) |             |             |             | Beamforming Mode (dBm) |             |             |             |
|-------------------|----------------|-------------|-------------|-------------|------------------------|-------------|-------------|-------------|
| 802.11b           | 29.26          |             |             |             | -                      |             |             |             |
| 802.11g           | 29.32          |             |             |             | -                      |             |             |             |
| 802.11n (VHT20)   | 29.24          |             |             |             | 29.24                  |             |             |             |
| 802.11n (VHT40)   | 23.33          |             |             |             | 23.33                  |             |             |             |
| 802.11ax (HE20)   | 29.31          |             |             |             | 29.31                  |             |             |             |
| 802.11ax (HE40)   | 23.46          |             |             |             | 23.46                  |             |             |             |
| 5GHz Band         | CDD Mode (dBm) |             |             |             | Beamforming Mode (dBm) |             |             |             |
| Frequency (MHz)   | 5180 ~ 5240    | 5260 ~ 5320 | 5500 ~ 5720 | 5745 ~ 5825 | 5180 ~ 5240            | 5260 ~ 5320 | 5500 ~ 5720 | 5745 ~ 5825 |
| 802.11a           | 29.18          | 23.53       | 22.53       | 29.19       | -                      | -           | -           | -           |
| 802.11ac (VHT20)  | 29.01          | 23.38       | 22.44       | 29.17       | 29.01                  | 23.38       | 22.44       | 29.17       |
| 802.11ac (VHT40)  | 27.78          | 23.21       | 23.21       | 29.17       | 27.78                  | 23.21       | 22.51       | 29.17       |
| 802.11ac (VHT80)  | 23.04          | 21.99       | 23.17       | 29.02       | 23.04                  | 21.99       | 22.40       | 29.02       |
| 802.11ac (VHT160) | -              | -           | 23.06       | -           | -                      | -           | 22.35       | -           |
| 802.11ax (HE20)   | 29.05          | 23.42       | 22.55       | 29.26       | 29.05                  | 23.42       | 22.55       | 29.26       |
| 802.11ax (HE40)   | 27.92          | 23.30       | 23.33       | 29.20       | 27.92                  | 23.30       | 22.58       | 29.20       |
| 802.11ax (HE80)   | 23.07          | 22.14       | 23.26       | 29.08       | 23.07                  | 22.14       | 22.49       | 29.08       |
| 802.11ax (HE160)  | -              | -           | 23.18       | -           | -                      | -           | 22.43       | -           |

**註6:** 待測設備使用以下配件。

\*本案器材以申請者切結提供的隨貨配件與實驗室提供非隨貨配件併同檢驗。產品及隨貨配件之照片請參照BV CPS報告編號：BBQZ-WTW-P20110410\_NCC，非隨貨配件之照片請參照BV CPS報告編號：BBQZ-WTW-P20110410\_SU，測試設置照片請參照BV CPS報告編號：BBQZ-WTW-P20110410\_RF。

| 隨貨配件        |                |                                  |                                                                                                                      |                                |       |
|-------------|----------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------|-------|
| 配件          | 廠牌/製造商         | 型號                               | 規格                                                                                                                   |                                | 備註    |
| Adapter     | NETGEAR        | AD2150F10<br>(P/N: 332-11494-01) | Input: 100-120Vac, 50-60Hz, 1.0A<br>Output: 12Vdc, 3.5A<br>Power Line:<br>1.8m non-shielded power cable without core |                                | 配件    |
| RJ 45 Cable | NETGEAR        | 332-10138-01                     | 1.95m non-shielded cable without core                                                                                |                                | 配件    |
| 非隨貨配件       |                |                                  |                                                                                                                      |                                |       |
| 配件          | 廠牌/製造商         | 型號                               | 序號                                                                                                                   | 規格                             | 備註    |
| LAN cable   | AMP NETCONNECT | RN11060081                       | 01                                                                                                                   | 1.5m non-shielded without core | 實驗室提供 |
| LAN cable   | AMP NETCONNECT | RN11060081                       | 02                                                                                                                   | 7.0m non-shielded without core | 實驗室提供 |

**註7:** 此報告中，經過評估後以下列測試模式進行最終量測。

| 載波頻率         | 量測項目      | 發射                                                                                                                                                                         | 接收            |
|--------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 2412~2462MHz |           |                                                                                                                                                                            |               |
| 場強輻射量測       | 1GHz 以上量測 | 802.11b: Ch 1, 6, 11<br>802.11g: Ch 1, 6, 11<br>802.11ax (HE20): Ch 1, 6, 11<br>802.11ax (HE40): Ch 3, 6, 9                                                                | 802.11g: Ch 6 |
|              | 輸出峰值功率之量測 | 802.11b: Ch 1, 6, 11<br>802.11g: Ch 1, 6, 11<br>802.11n (VHT20): Ch 1, 6, 11<br>802.11n (VHT40): Ch 3, 6, 9<br>802.11ax (HE20): Ch 1, 6, 11<br>802.11ax (HE40): Ch 3, 6, 9 | -             |
|              | 其它不必要之訊號  | 802.11g: Ch 6                                                                                                                                                              |               |
|              | 電源線傳導干擾   | 802.11g: Ch 6                                                                                                                                                              |               |

| 載波頻率                                                   | 量測項目               | 發射                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 接收                                        |
|--------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| 5180~5240MHz, 5260~5320MHz, 5500~5720MHz, 5745~5825MHz |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |
| 場強輻射量測                                                 | 1GHz 以上量測          | 802.11a: Ch 36, 44, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165<br>802.11ax (HE20): Ch 36, 44, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165<br>802.11ax (HE40): Ch 38, 46, 54, 62, 102, 110, 134, , 142, 151, 159<br>802.11ax (HE80): Ch 42, 58, 106, 122, 138, 155                                                                                                                                                                                                                                                                      | 802.11a: Ch 44<br>802.11ax (HE20): Ch 149 |
|                                                        | 輸出峰值功率之量測          | 802.11a: Ch 36, 44, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165<br>802.11ac (VHT20): Ch 36, 44, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165<br>802.11ac (VHT40): Ch 38, 46, 54, 62, 102, 110, 134, , 142, 151, 159<br>802.11ac (VHT80): Ch 42, 58, 106, 122, 138, 155<br>802.11ac (VHT160): Ch 114<br>802.11ax (HE20): Ch 36, 44, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165<br>802.11ax (HE40): Ch 38, 46, 54, 62, 102, 110, 134, , 142, 151, 159<br>802.11ax (HE80): Ch 42, 58, 106, 122, 138, 155<br>802.11ax (HE160): Ch 114 | -                                         |
|                                                        | 其它不必要之訊號           | 802.11a: Ch 44<br>802.11ax (HE20): Ch 149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |
| 電源線傳導干擾                                                |                    | 802.11a: Ch 44<br>802.11ax (HE20): Ch 149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |
| Co-located                                             |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |
| 場強輻射量測                                                 | 1GHz 以上量測&其它不必要之訊號 | 802.11g: Ch 6 + 802.11a: Ch44<br>802.11g: Ch 6 + 802.11ax (HE20): Ch149                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |

**註8:** 待測設備經評估三個正交軸方位評估測試擺設方式：平躺、側放、垂直，其中以平躺擺放擁有最大干擾值，故以上述擺設方式進行最終量測並記錄於報告中。

**註9: Duty cycle of test signal.**

Duty cycle of test signal is > 98 %, duty factor is not required.

Duty cycle of test signal is < 98 %, duty factor is required.

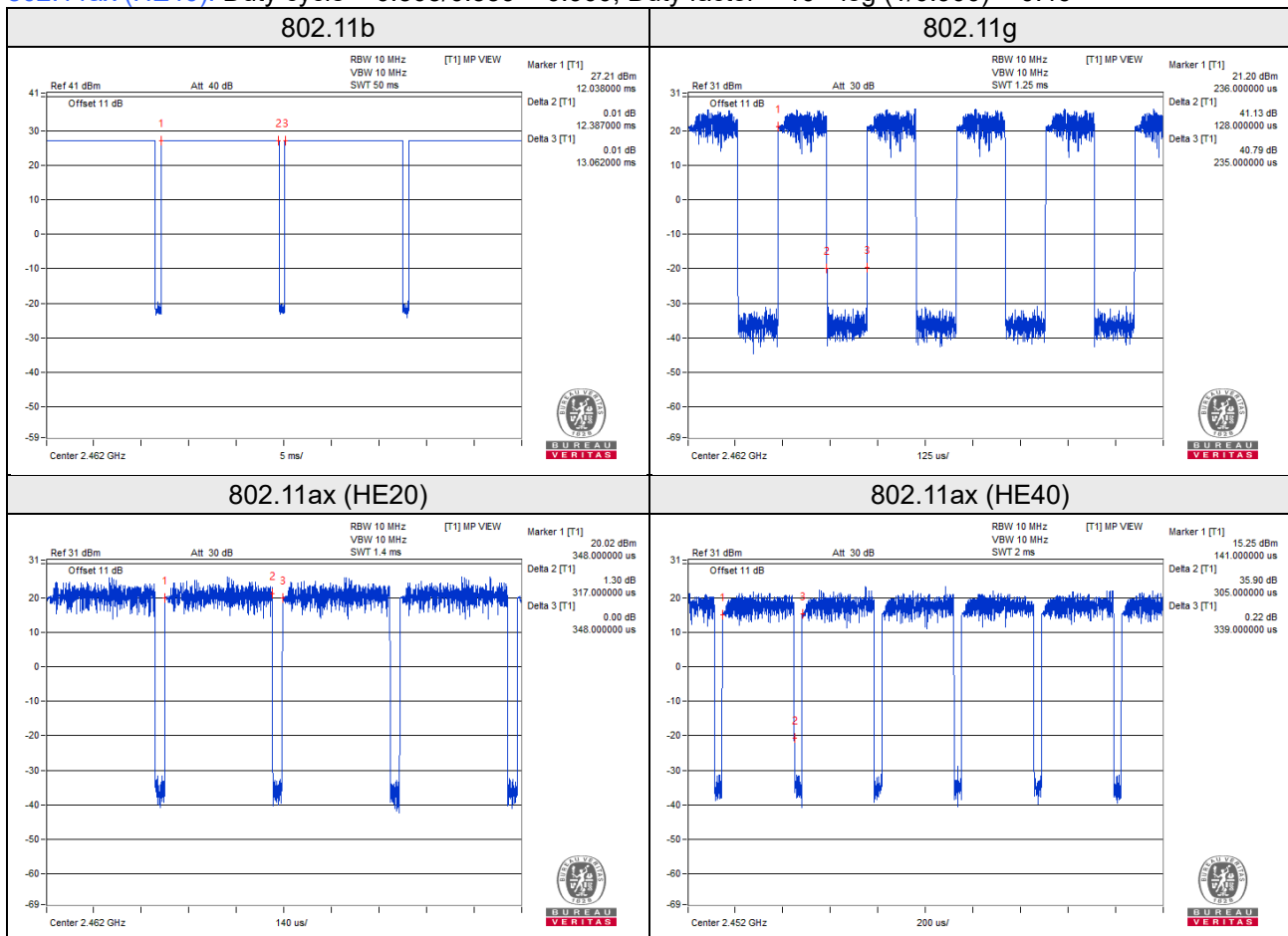
**For 2.4GHz Band**

**802.11b:** Duty cycle =  $12.387/13.062 = 0.948$ , Duty factor =  $10 * \log(1/0.948) = 0.23$

**802.11g:** Duty cycle =  $0.128/0.235 = 0.545$ , Duty factor =  $10 * \log(1/0.545) = 2.64$

**802.11ax (HE20):** Duty cycle =  $0.317/0.348 = 0.911$ , Duty factor =  $10 * \log(1/0.911) = 0.41$

**802.11ax (HE40):** Duty cycle =  $0.305/0.339 = 0.900$ , Duty factor =  $10 * \log(1/0.900) = 0.46$



# For 5GHz Band

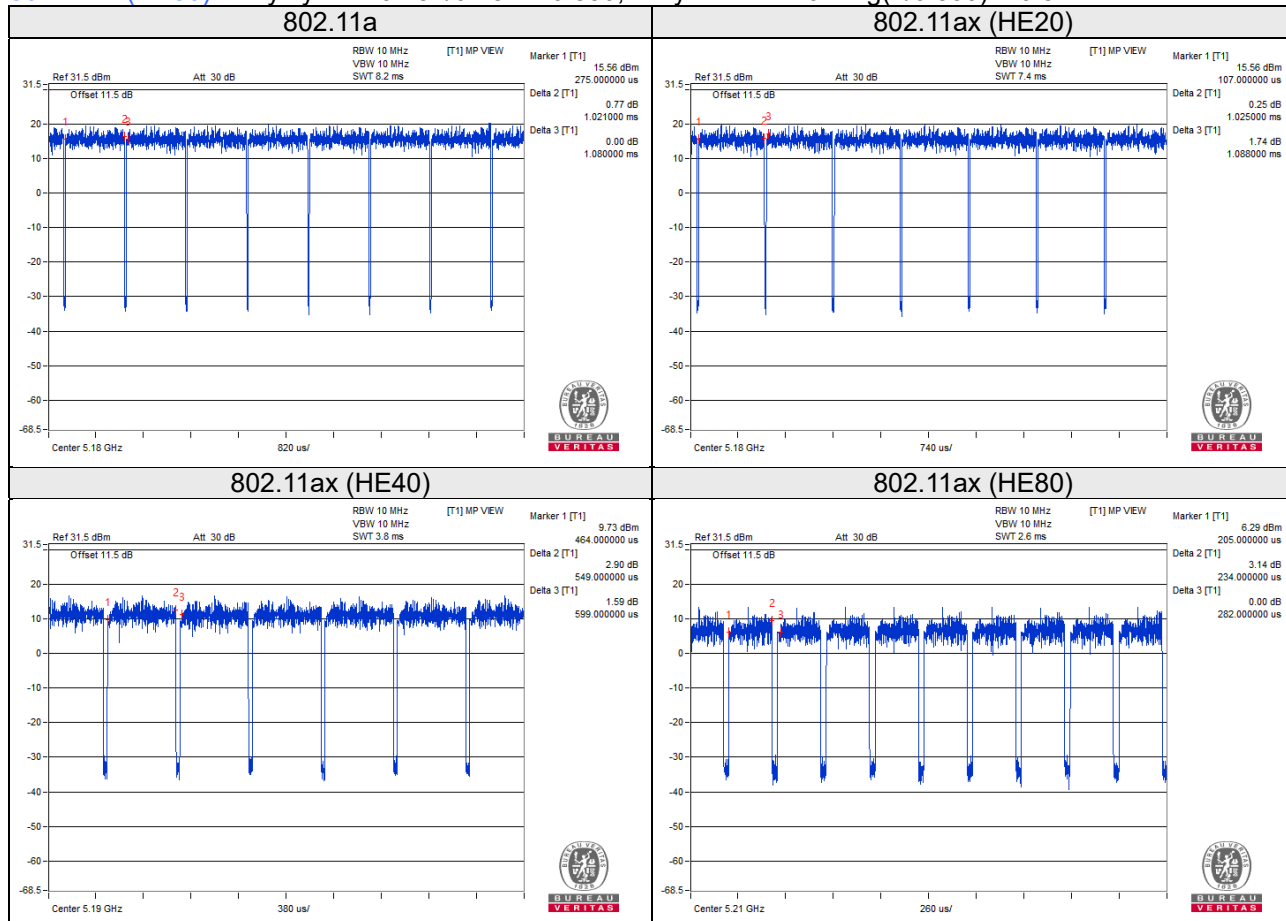
For 5180 ~ 5240MHz, 5260 ~ 5320MHz:

802.11a: Duty cycle =  $1.021/1.080 = 0.945$ , Duty factor =  $10 * \log(1/0.945) = 0.24$

802.11ax (HE20): Duty cycle =  $1.025/1.088 = 0.942$ , Duty factor =  $10 * \log(1/0.942) = 0.26$

802.11ax (HE40): Duty cycle =  $0.549/0.599 = 0.917$ , Duty factor =  $10 * \log(1/0.917) = 0.38$

802.11ax (HE80): Duty cycle =  $0.234/0.282 = 0.830$ , Duty factor =  $10 * \log(1/0.830) = 0.81$



For 5500 ~ 5720MHz, 5745 ~ 5825MHz:

802.11a: Duty cycle =  $2.965/3.000 = 0.988$

802.11ax (HE20): Duty cycle =  $3.306/3.366 = 0.982$

802.11ax (HE40): Duty cycle =  $2.486/2.530 = 0.983$

802.11ax (HE80): Duty cycle =  $2.457/2.503 = 0.982$

802.11ax (HE160): Duty cycle =  $0.233/0.267 = 0.873$ , Duty factor =  $10 * \log(1/0.873) = 0.59$



此裝置各頻道的中心頻率如下：

2.4 GHz 頻段:

802.11b, 802.11g, 802.11n (HT20), 802.11n (VHT20), 802.11ax (HE20):

| 頻道 | 對應頻率<br>(MHz) | 頻道 | 對應頻率<br>(MHz) |
|----|---------------|----|---------------|
| 01 | 2412          | 07 | 2442          |
| 02 | 2417          | 08 | 2447          |
| 03 | 2422          | 09 | 2452          |
| 04 | 2427          | 10 | 2457          |
| 05 | 2432          | 11 | 2462          |
| 06 | 2437          |    |               |

802.11n (HT40), 802.11n (VHT40), 802.11ax (HE40):

| 頻道 | 對應頻率<br>(MHz) | 頻道 | 對應頻率<br>(MHz) |
|----|---------------|----|---------------|
| 03 | 2422          | 07 | 2442          |
| 04 | 2427          | 08 | 2447          |
| 05 | 2432          | 09 | 2452          |
| 06 | 2437          |    |               |

5GHz 頻段:

802.11a, 802.11n (HT20) , 802.11ac (VHT20), 802.11ax (HE20)::

| 頻道  | 對應頻率<br>(MHz) | 頻道  | 對應頻率<br>(MHz) |
|-----|---------------|-----|---------------|
| 36  | 5180 MHz      | 120 | 5600 MHz      |
| 40  | 5200 MHz      | 124 | 5620 MHz      |
| 44  | 5220 MHz      | 128 | 5640 MHz      |
| 48  | 5240 MHz      | 132 | 5660 MHz      |
| 52  | 5260 MHz      | 136 | 5680 MHz      |
| 56  | 5280 MHz      | 140 | 5700 MHz      |
| 60  | 5300 MHz      | 144 | 5720 MHz      |
| 64  | 5320 MHz      | 149 | 5745 MHz      |
| 100 | 5500 MHz      | 153 | 5765 MHz      |
| 104 | 5520 MHz      | 157 | 5785 MHz      |
| 108 | 5540 MHz      | 161 | 5805 MHz      |
| 112 | 5560 MHz      | 165 | 5825 MHz      |
| 116 | 5580 MHz      |     |               |

802.11n (HT40) , 802.11ac (VHT40), 802.11ax (HE40):

| 頻道  | 對應頻率<br>(MHz) | 頻道  | 對應頻率<br>(MHz) |
|-----|---------------|-----|---------------|
| 38  | 5190 MHz      | 118 | 5590 MHz      |
| 46  | 5230 MHz      | 126 | 5630 MHz      |
| 54  | 5270 MHz      | 134 | 5670 MHz      |
| 62  | 5310 MHz      | 142 | 5710 MHz      |
| 102 | 5510 MHz      | 151 | 5755 MHz      |
| 110 | 5550 MHz      | 159 | 5795 MHz      |

802.11ac (VHT80), 802.11ax (HE80):

| 頻道  | 對應頻率<br>(MHz) | 頻道  | 對應頻率<br>(MHz) |
|-----|---------------|-----|---------------|
| 42  | 5210 MHz      | 122 | 5610 MHz      |
| 58  | 5290 MHz      | 138 | 5690 MHz      |
| 106 | 5530 MHz      | 155 | 5775 MHz      |

802.11ac (VHT160), 802.11ax (HE160):

| 頻道  | 對應頻率<br>(MHz) |
|-----|---------------|
| 114 | 5570 MHz      |

詳細之規格請參考使用說明書，產品的照片請參照 BV CPS 報告編號 BBQZ-WTW-P20110410。

## 2.2 輔助測試之週邊設備描述

待測設備於受測時均接上其所屬的配件或一般用途之相關設備；下列輔助設備或配件測試中所使用的配備，以形成一個代表待測物實際運作的受測系統。

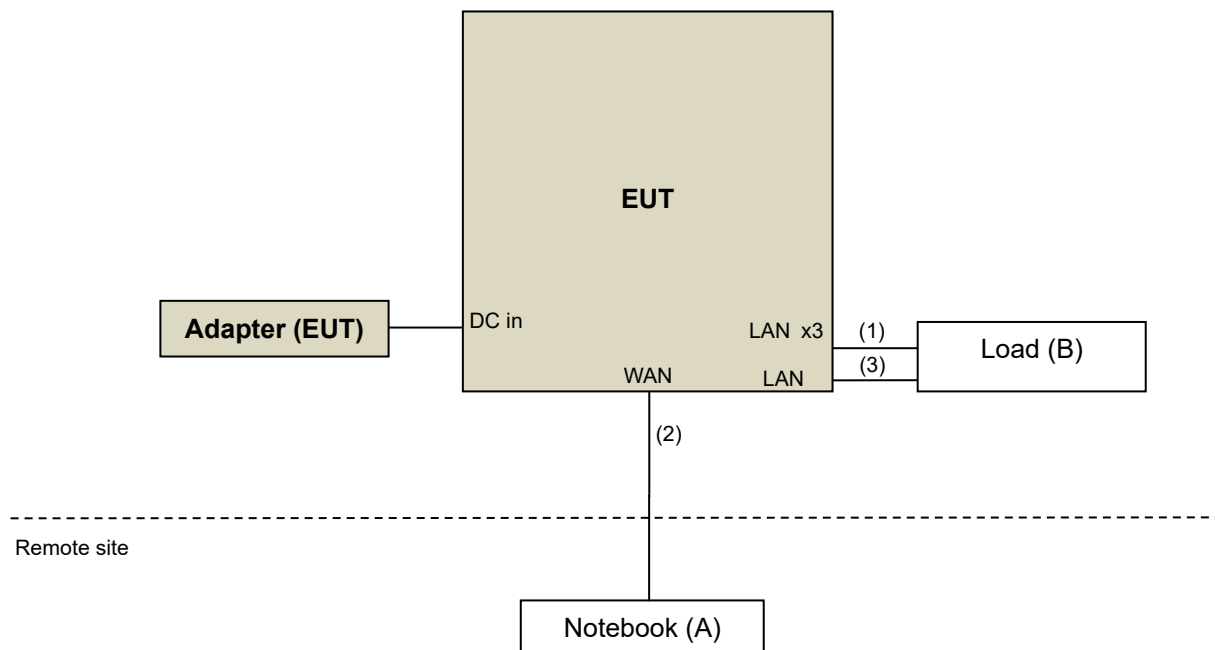
| ID | Product  | Brand | Model No. | Serial No. | FCC ID           | Remarks |
|----|----------|-------|-----------|------------|------------------|---------|
| A. | Notebook | DELL  | E5410     | 1HC2XM1    | FCC DoC Approved | -       |
| B. | Load     | NA    | NA        | NA         | NA               | -       |

Note:

1. All power cords of the above support units are non-shielded (1.8m).
2. Item A acted as a communication partner to transfer data.

| ID | Cable Descriptions | Qty. | Length (m) | Shielding (Yes/No) | Cores (Qty.) | Remarks                        |
|----|--------------------|------|------------|--------------------|--------------|--------------------------------|
| 1. | LAN cable          | 3    | 1.5        | N                  | 0            | Provided by Lab<br>RJ45, Cat5e |
| 2. | LAN cable          | 1    | 7          | N                  | 0            | Provided by Lab<br>RJ45, Cat5e |
| 3. | LAN cable          | 3    | 1.95       | N                  | 0            | 配件                             |

## 2.3 測試架構圖



### 3 適用規範

#### 3.1 規範要求和參考

##### (1) 傳導之規定

依據國家通訊傳播委員會低功率射頻器材技術規範之 3.3 節，電源傳導干擾之限制要求如下：

| 頻率(MHz)  | 傳導限制值 (dBuV)    |              |
|----------|-----------------|--------------|
|          | 準峰值(Quasi-peak) | 平均值(Average) |
| 0.15-0.5 | 66-56(註)        | 56-46(註)     |
| 0.5-5    | 56              | 46           |
| 5-30     | 60              | 50           |

(註)：隨頻率之對數遞減。

##### (2) 帶外發射之規定

###### (I) 操作於 2.4000~2.4835 GHz band:

依據國家通訊傳播委員會低功率射頻器材技術規範 4.10.1.5 節之要求，操作頻帶範圍外之任意 100 kHz 內，發射機所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 kHz 內的射頻功率，其衰減值限制如下：(1) 輸出功率以附件二之峰值輸出功率方式測量者，至少須衰減 20 dB，可使用射頻傳導或輻射方式測量。(2) 輸出功率以 4.10.1.2(1)(C)之最大傳導輸出功率測量方式者，至少須衰減 30 dB。

###### (II) 操作於 5.15 GHz~5.35 GHz 及 5.470 GHz ~5.725 GHz 頻段:

依據國家通訊傳播委員會低功率射頻器材技術規範 5.7.4.1 節之要求，帶外發射之有效等向輻射功率(EIRP)  $\leq -27$  dBm/MHz。

###### (III) 操作於 5.725 GHz~5.850 GHz 頻段:

依據國家通訊傳播委員會低功率射頻器材技術規範 5.7.4.2 節之要求，所有頻帶邊緣向外 5 MHz 內頻率之發射，有效等向輻射功率(EIRP)  $\leq 27$  dBm/MHz  $\sim 15.6$  dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣向外 5 MHz  $\sim 25$  MHz，有效等向輻射功率 35(EIRP)  $\leq 15.6$  dBm/MHz  $\sim 10$  dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣外 25 MHz  $\sim 75$  MHz，有效等向輻射功率(EIRP)  $\leq 10$  dBm/MHz  $\sim -27$  dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣外  $\geq 75$  MHz 的頻率之發射，有效等向輻射功率(EIRP)  $\leq -27$  dBm/MHz；有關遮罩限制值詳圖 1。

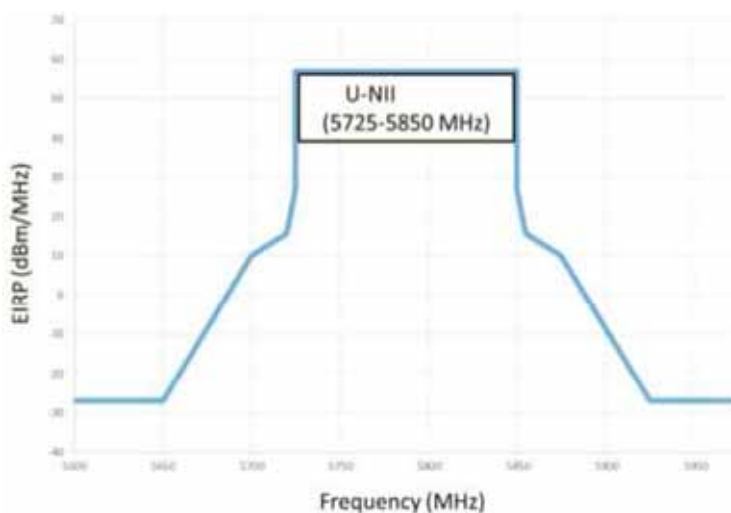


圖 1

在 1 GHz 以下不必要之發射，應符合 3.6 之規定。此外，落於 3.5 禁用頻段之輻射發射，應符合 3.6 之規定。

| 頻率(MHz)                | 電場強度(微伏特/公尺, uV/m) | 測距(公尺) |
|------------------------|--------------------|--------|
| 0.009 - 0.490(含)       | 2,400/f(kHz)       | 300    |
| 0.490 (不含) - 1.705 (含) | 24,000/f(kHz)      | 30     |
| 1.705(不含) - 30 (不含)    | 30                 | 30     |
| 30 (含) - 88 (含)        | 100                | 3      |
| 88 (不含)- 216 (含)       | 150                | 3      |
| 216 (不含)- 960 (含)      | 200                | 3      |
| 960 (不含)以上             | 500                | 3      |

### (3)天線之規定

天線規格不受第 3.2 節規定之限制。

### (4)天線增益之要求

低功率發射機，依據國家通訊傳播委員會低功率射頻器材技術規範 4.10.1.3 節及 5.7.3 節之規定如下：

#### (I) 操作於 2400 MHz~2483.5 MHz 頻段：

- (A) 進行固定式點對點操作時，其發射天線之方向性增益超過6 dBi，每超過3 dBi，最大傳導輸出功率限制值應降低1 dB。
- (B) 天線以多向波束發射方式(含同時發射或循序發射)將訊號導向多個接收機或接收機群組時，應符合下列規定：
  - (a) 非同時發射多向波束者，所有載波或頻道傳輸至所有天線陣列或陣列群之總和傳導輸出功率應符合 4.10.1.2 之功率限制值。如天線/天線陣列群之方向性增益超過6 dBi，每超過3 dBi，總和傳導輸出功率限制值應降低1 dB。方向性增益值應計算如下：
    - (i) 方向性增益值= 10log(天線陣列之單元數目)+各單元中最高之方向性增益值。
    - (ii) 天線陣列間之遮蔽效應或波束干涉損失能充分佐證時，方向性增益得低於(i)計算數值。
  - (b) 同時發射多向波束於相同或不同頻道者，其每一波束功率應符合(a)之功率限制值。如發射波束有重疊現象，功率應降低，以確保總和傳導輸出功率符合(a)之限制值。同時發射的所有波束總和傳導輸出功率不大於(a) 總和傳導輸出功率限制值加8 dB。方向性增益值計算同(a)。
  - (c) 發射機之天線具備單向波束功能者，應符合(1)(A)及(3)後段之規定。

除(A)及(B)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限制值。

#### (II) 操作於 5.15 GHz~5.25 GHz 頻段：

- (A) 供戶外操作使用：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。在水平面仰角超過30 度時，其最大EIRP 應小於或等於21 dBm。
- (B) 供室內操作使用：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。
- (C) 供固定式點對點操作使用：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。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。
- (D) 供用戶端裝置(Client Device)操作使用：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。

#### (III) 操作於 5.25 GHz~5.35 GHz 與 5.470 GHz ~5.725 GHz 頻段：

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。

#### (IV) 操作於 5.725 GHz~5.850 GHz 頻段：

- (A) 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。
- (B) 除(A)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。

(5) 6dB 頻寬之要求

(I) 操作於 2400 MHz~2483.5 MHz 頻段：

對使用數位調變技術(digital modulation techniques)系統之低功率發射機，依據國家通訊傳播委員會低功率射頻器材技術規範 4.10.1.6 節之規定，6dB 頻寬至少應有 500kHz。

(II) 操作於 5.725 GHz~5.850 GHz 頻段：

依據國家通訊傳播委員會低功率射頻器材技術規範 5.7.5 節之規定，其 6dB 頻寬至少應有 500kHz。

(6) 傳導輸出功率之要求

(I) 操作於 2.4000~2.4835 GHz band:

依據國家通訊傳播委員會低功率射頻器材技術規範 4.10.1.2 節之規定：  
數位調變技術系統：1 W(含)以下。

(II) 操作於 5.15 GHz~5.25 GHz 頻段：

依據國家通訊傳播委員會低功率射頻器材技術規範 5.7.3.1 節之要求：

(A) 供戶外操作使用/供室內操作使用/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1 W。

(B) 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250 mW。

(III) 操作於 5.25 GHz~5.35 GHz 及 5.470 GHz ~5.725 GHz 頻段：

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.3.2節之規定，最大傳導輸出功率應小於或等於250 mW或11dBm+10log B (B是26 dB發射頻寬，單位MHz)之較小者。

(IV) 操作於 5.725 GHz~5.850 GHz 頻段：

依據國家通訊傳播委員會低功率射頻器材技術規範 5.7.3.3 節之規定，最大傳導輸出功率應小於或等於 1 W。

(7) 功率頻譜密度之要求

(I) 操作於 2.4000~2.4835 GHz band:

依據國家通訊傳播委員會低功率射頻器材技術規範 4.10.1.6 節之規定，在使用頻率範圍之任一 3 kHz 頻寬內，由發射機傳導至天線之功率頻譜密度在任意傳輸期間內，皆小於或等於 8 毫分貝(dBm)，且應依 4.10.1.3 之方式降低功率頻譜密度限制值。

(II) 操作於 5.15 GHz~5.25 GHz 頻段：

依據國家通訊傳播委員會低功率射頻器材技術規範 5.7.3.1 節之要求：

(A) 供戶外操作使用/供室內操作使用/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。

(B) 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。

(III) 操作於 5.25 GHz~5.35 GHz 及 5.470 GHz ~5.725 GHz 頻段：

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.3.2節之規定，最大功率頻譜密度在任何1 MHz 頻帶中應小於或等於11 dBm。

(IV) 操作於5.725 GHz~5.850 GHz頻段：

依據國家通訊傳播委員會低功率射頻器材技術規範 5.7.3.3 節之規定，在任何 500 kHz 頻帶中最大功率頻譜密度應小於或等於 30 dBm。

(8) 發射功率控制(TPC)及動態頻率選擇(DFS)之要求

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.7.1及5.7.7.2節之規定。

發射功率控制(TPC)：操作於5.25 GHz~5.35 GHz 與5.470 GHz~5.725 GHz 頻段的設備，應具備發射功率控制功能。設備必須至少具有6 dB低於平均EIRP 30 dBm的能力。EIRP 低於500 mW 之系統不須具備TPC 功能。

動態頻率選擇(DFS)：操作於5.25 GHz~5.35 GHz與5.470 GHz~5.725 GHz頻段之設備應具備動態頻率選擇雷達偵測功能並啟動之，以完整偵測使用頻帶內之雷達訊號，避免與雷達系統同頻道操作。相關規定如下：

(1) 最低動態頻率選擇的偵測門檻

- (A) 最大EIRP 為200 mW~1 W之設備，其最低動態頻率選擇的偵測門檻值為-64dBm。
- (B) 最大EIRP 低於200 mW，且功率頻譜密度小於10 dBm/MHz 之設備，其最低動態頻率選擇的偵測門檻值為-62 dBm。
- (C) 最大EIRP 低於200 mW，且功率頻譜密度大於或等於10 dBm/MHz 之設備，其最低動態頻率選擇的偵測門檻值為-64 dBm。
- (D) 此偵測門檻值為1 微秒內之平均接收功率，並以0 dBi 天線為參考基準。頻道初始設定得由系統隨機選取或使用者手動選取。

(2) 操作模式：動態頻率選擇之規定適用於以下之操作模式：

- (A) 頻道可用性檢查時間之規定，適用於主控運作模式。
- (B) 頻道移動時間之規定，適用於主控及受控運作模式。

(3) 頻道可用性檢查時間：設備必須檢查其可在某一頻道上起始傳送之前是否有雷達系統已經操作在該頻道上，以及何時其必須移動到另一新的頻道，在60 秒內若沒有偵測到功率位準大過上述之干擾門檻值的雷達訊號時，設備才可開始使用該頻道。

(4) 頻道移動時間：在偵測到雷達的存在後，所有在該操作頻道上的所有傳輸須在10秒內停止，在偵測到雷達訊號後，該期間內的傳輸應維持最多200 毫秒的正常通訊。另外，間歇性的管理與控制訊號可在剩餘的時間中傳送，以便撤離該操作頻道。

(5) 不可佔用期間：某一頻道已被頻道可用性檢查或"服務中"監視顯示含有雷達系統，至少須有30 分鐘的不可佔用期間。不可佔用期間起始於偵測到雷達系統的當時。

(9)無線資訊傳輸設備必須擁有安全功能之要求：

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.7.3節之規定，無線資訊傳輸設備必須擁有安全功能，以保護未經授權之一方更改軟體。製造商應提出符合本節規定之相關證明文件或符合性聲明。

(10) 依據國家通訊傳播委員會低功率射頻器材技術規範 5.7.7.4 節之規定，製造商必須在操作於 U-NII 頻段上之數位調變系統中提供安全功能，使第三方團體無法重寫程式，使其操作於非經認證之設定。該軟體必須避免發射機操作於非經認證之頻率、輸出功率、調變形式或其他射頻參數。製造商可使用私有網路，只有經授權的用戶能下載軟體、進行軟體式電子簽章或硬體式的韌體更新，新的軟體可以被合法的載入到設備中，同時又能符合上述事項，並於應用程式中描述設備授權的方法。

(11) 依據國家通訊傳播委員會低功率射頻器材技術規範 5.7.7.5 節之規定，製造商必須確保 DFS 功能無法被無線資訊傳輸設備之操作者取消。

(12)電波暴露量之評估

依據國家通訊傳播委員會低功率射頻器材技術規範 6.20.2 節之規定，若受測物於正常操作模式下，其發射機距離人體 20 公分以上者，可測試最大暴露允許值(Maximum Permissible Exposure, MPE)以證明其符合電波暴露量之要求。

限制值如下：

(1) 職業性/可控制之暴露

| 頻率範圍<br>(MHz)   | 電場強度<br>(V/m) | 磁場強度<br>(A/m) | 功率密度<br>(mW/cm <sup>2</sup> ) | 平均時間<br>(minutes) |
|-----------------|---------------|---------------|-------------------------------|-------------------|
| 0.3 - 3.0       | 614           | 1.63          | *100                          | 6                 |
| 3 - 30          | 1842/f        | 4.89/f        | *900/f <sup>2</sup>           | 6                 |
| 30 - 300        | 61.4          | 0.163         | 1.0                           | 6                 |
| 300 - 1,500     | ---           | ---           | f/300                         | 6                 |
| 1,500 - 100,000 | ---           | ---           | 5.0                           | 6                 |

註 1：標記\*表平面波等效功率密度。

註 2：f 表測試頻率，單位：百萬赫(MHz)。

(2) 一般人/不可控制之暴露

| 頻率範圍<br>(MHz)   | 電場強度<br>(V/m) | 磁場強度<br>(A/m) | 功率密度<br>(mW/cm <sup>2</sup> ) | 平均時間<br>(minutes) |
|-----------------|---------------|---------------|-------------------------------|-------------------|
| 0.3 - 3.0       | 614           | 1.63          | *100                          | 30                |
| 3 - 30          | 1842/f        | 4.89/f        | *180/f <sup>2</sup>           | 30                |
| 30 - 300        | 27.5          | 0.073         | 1.0                           | 30                |
| 300 - 1,500     | ---           | ---           | f/1500                        | 30                |
| 1,500 - 100,000 | ---           | ---           | 1.0                           | 30                |

註 1：標記\*表平面波等效功率密度。

註 2：f 表測試頻率，單位：百萬赫(MHz)。

參考國際標準指南

KDB 558074

KDB 789033

KDB 905462

### 3.2 限制使用之頻帶

除本規範另有規定外，任何低功率射頻器材之主波皆不得使用下表所列各頻段之頻率；低功率射頻器材落於下表所列頻段之混附發射，其電場強度必須符合 3.6 之限制規定。

| 頻率(兆赫)        | 頻率(兆赫)        | 頻率(兆赫)        |
|---------------|---------------|---------------|
| 0.090 0.110   | 240.00 285.00 | 3332.0 3339.0 |
| 0.490 0.510   | 322.00 335.40 | 3345.8 3358.0 |
| 2.172 2.198   | 399.90 410.00 | 3500.0 4400.0 |
| 3.013 3.033   | 485.00 510.00 | 4500.0 5250.0 |
| 4.115 4.198   | 608.00 614.00 | 5350.0 5460.0 |
| 5.670 5.690   | 703.00 748.00 | 7250.0 7750.0 |
| 6.200 6.300   | 758.00 803.00 | 8025.0 8500.0 |
| 8.230 8.400   | 825.00 915.00 | 9000.0 9200.0 |
| 12.265 12.600 | 930.00 1240.0 | 9300.0 9500.0 |
| 13.340 13.430 | 1300.0 1427.0 | 10600 12700   |
| 14.965 15.020 | 1435.0 1626.5 | 13250 13400   |
| 16.700 16.755 | 1660.0 1785.0 | 14470 14500   |
| 19.965 20.020 | 1805.0 1880.0 | 15350 16200   |
| 25.500 25.700 | 1885.0 1900.0 | 17700 21400   |
| 37.475 38.275 | 1905.0 1985.0 | 22010 23120   |
| 73.500 75.400 | 2010.0 2025.0 | 23600 24000   |
| 108.00 138.00 | 2110.0 2170.0 | 31200 31800   |
| 149.90 150.05 | 2200.0 2300.0 | 36430 36500   |
| 156.70 156.90 | 2310.0 2390.0 | 38600 以上      |
| 162.01 167.17 | 2483.5 2900.0 |               |
| 167.72 173.20 | 3260.0 3267.0 |               |

## 2.4GHz 頻段測試紀錄結果

### 4 帶外發射之量測

#### 4.1 適用標準

請見本報告3.1節第2項(I)的規定。

#### 4.2 量測方法

在電波暗室，將待測物置於0.8米高的非金屬桌面，使其操作在工作狀態。接收天線置於3米距離。桌面要360度旋轉，另外接收天線從離地1米至4米升降變化，以找出最大的輻射電場強度，接收天線分別置於水平、垂直極化各執行測試一次。

備註：對於1GHz以上場強輻射的測試，待測物則置於1.5米高的非金屬桌面。

### 4.3 量測儀器

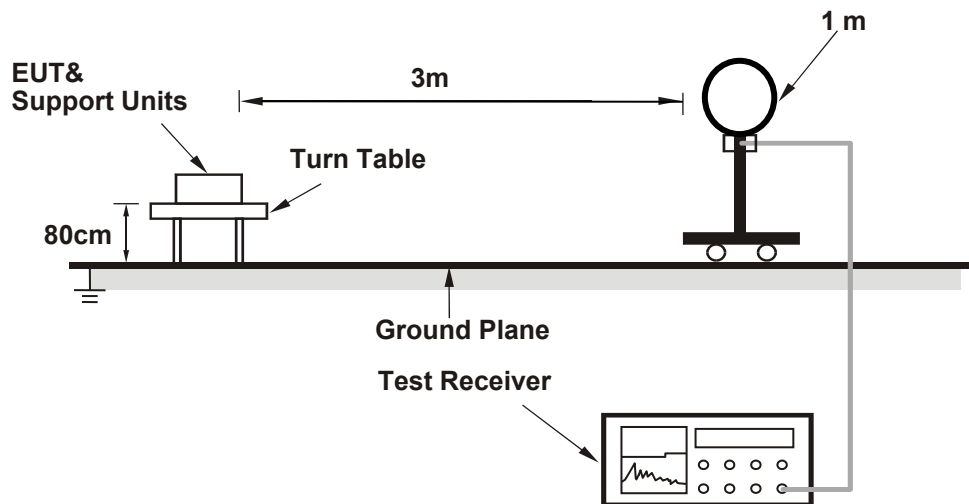
| 儀器名稱 (廠牌/製造商)                             | 型號                       | 序號                    | 校正日期          | 下次校正日期        |
|-------------------------------------------|--------------------------|-----------------------|---------------|---------------|
| Test Receiver<br>ROHDE & SCHWARZ          | ESCI                     | 100424                | Dec. 31, 2019 | Dec. 30, 2020 |
| Spectrum Analyzer<br>ROHDE & SCHWARZ      | FSP40                    | 100040                | Sep. 23, 2019 | Sep. 22, 2020 |
| BILOG Antenna<br>SCHWARZBECK              | VULB9168                 | 9168-155              | Nov. 11, 2019 | Nov. 10, 2020 |
| HORN Antenna<br>SCHWARZBECK               | BBHA 9120D               | 9120D-1170            | Nov. 24, 2019 | Nov. 23, 2020 |
| HORN Antenna<br>SCHWARZBECK               | BBHA 9170                | BBHA9170241           | Nov. 24, 2019 | Nov. 23, 2020 |
| Loop Antenna<br>TESEQ                     | HLA 6121                 | 45745                 | Jul. 06, 2020 | Jul. 05, 2021 |
| Preamplifier<br>Agilent<br>(Below 1GHz)   | 8447D                    | 2944A10631            | Jun. 08, 2020 | Jun. 07, 2021 |
| Preamplifier<br>KEYSIGHT<br>(Above 1GHz)  | 83017A                   | MY53270295            | Jun. 08, 2020 | Jun. 07, 2021 |
| RF Coaxial Cable<br>WOKEN<br>With 5dB PAD | 8D-FB                    | Cable-CH4-01          | Aug. 20, 2019 | Aug. 19, 2020 |
|                                           |                          |                       | Aug. 16, 2020 | Aug. 15, 2021 |
| RF Coaxial Cable<br>EMCI                  | EMC102-KM-KM-3000        | 150929                | Aug. 20, 2019 | Aug. 19, 2020 |
|                                           |                          |                       | Aug. 16, 2020 | Aug. 15, 2021 |
| RF Coaxial Cable<br>EMCI                  | EMC102-KM-KM-600         | 150928                | Aug. 20, 2019 | Aug. 19, 2020 |
|                                           |                          |                       | Aug. 16, 2020 | Aug. 15, 2021 |
| RF signal cable<br>HUBER+SUHNER           | SUCOFLEX 104             | MY 13380+295012/04    | Jun. 08, 2020 | Jun. 07, 2021 |
| RF signal cable<br>HUBER+SUHNER           | SUCOFLEX 104             | Cable-CH4-03 (250724) | Jun. 08, 2020 | Jun. 07, 2021 |
| Software<br>BV ADT                        | ADT_Radiated_V7.6.15.9.5 | NA                    | NA            | NA            |
| Antenna Tower<br>inn-co GmbH              | MA 4000                  | 010303                | NA            | NA            |
| Antenna Tower Controller<br>BV ADT        | AT100                    | AT93021703            | NA            | NA            |
| Turn Table<br>BV ADT                      | TT100                    | TT93021703            | NA            | NA            |
| Turn Table Controller<br>BV ADT           | SC100                    | SC93021703            | NA            | NA            |
| Boresight Antenna Fixture                 | FBA-01                   | FBA-SIP01             | NA            | NA            |
| Pre-amplifier (18GHz-40GHz)<br>EMC        | EMC184045B               | 980175                | Sep. 05, 2019 | Sep. 04, 2020 |

- Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HwaYa Chamber 4.
3. The following table is for the measurement uncertainty, which is calculated as per the document CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$ .

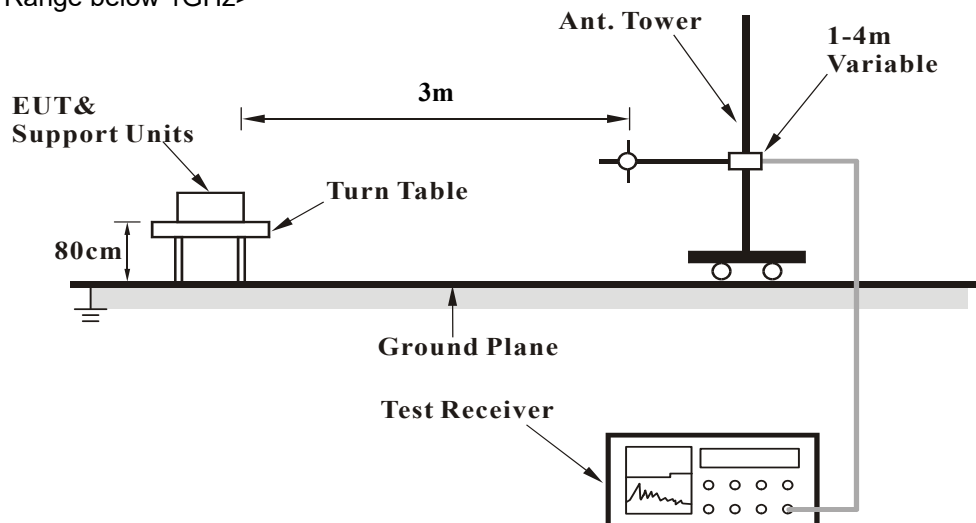
| Measurement        | Frequency        | Uncertainty |
|--------------------|------------------|-------------|
| Radiated emissions | 9kHz ~ 30MHz     | 3.04 dB     |
|                    | 30MHz ~ 200MHz   | 3.63 dB     |
|                    | 200MHz ~ 1000MHz | 3.64 dB     |
|                    | 1GHz ~ 18GHz     | 2.29 dB     |
|                    | 18GHz ~ 40GHz    | 2.29 dB     |

#### 4.4 測試配置

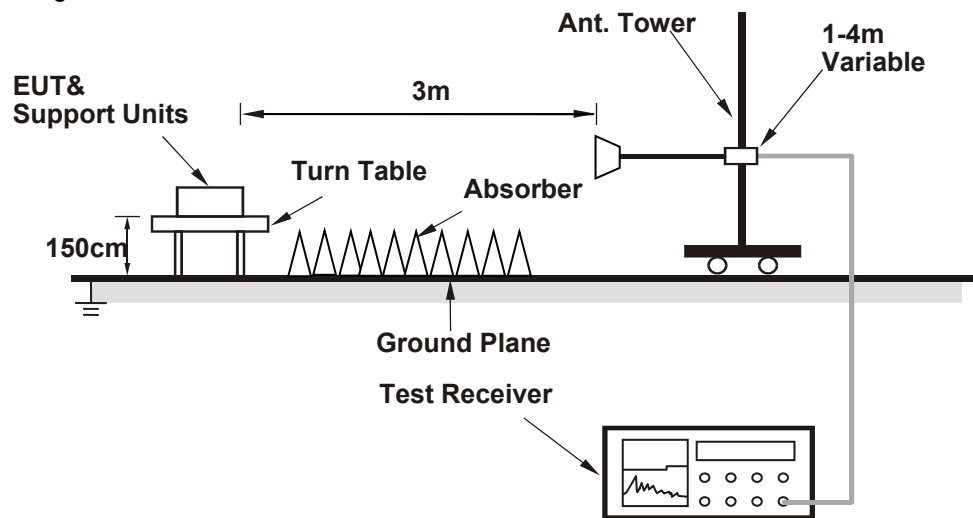
<Frequency Range below 30MHz>



<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



#### 4.5 場強度之計算

場強之計算公式如下：

結果值Emission level (dBuV/m)=機器讀值 Raw Value (dBuV) +校正因子Correction Factor (dB/m)

餘裕度Margin(dB)= 結果值Emission level (dBuV/m)-限制值Limit value (dBuV/m)

量測結果請見下頁。

#### 4.6 量測結果

##### 4.6.1 發射諧波

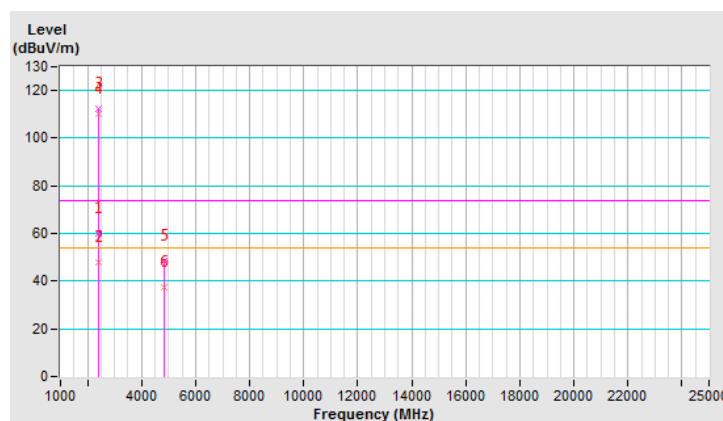
802.11b

|             |                 |           |                                                |
|-------------|-----------------|-----------|------------------------------------------------|
| 操 作 模 式 :   | 發射              | 調 變 技 術 : | DSSS                                           |
| 基 本 波 頻 率 : | CH 1 : 2412 MHz | 測 試 儀 器 : | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度 :    | 25°C            | 量測場地濕度 :  | 70%RH                                          |
| 測 試 日 期 :   | 109 年 07 月 14 日 | 測 試 者 :   | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 2390.00        | 60.2 PK                       | 74.0              | -13.8          | 1.01 H                   | 17                         | 27.3                   | 32.9                           |
| 2                                                   | 2390.00        | 48.1 AV                       | 54.0              | -5.9           | 1.01 H                   | 17                         | 15.2                   | 32.9                           |
| 3                                                   | *2412.00       | 112.3 PK                      |                   |                | 1.01 H                   | 17                         | 79.3                   | 33.0                           |
| 4                                                   | *2412.00       | 110.4 AV                      |                   |                | 1.01 H                   | 17                         | 77.4                   | 33.0                           |
| 5                                                   | 4824.00        | 48.7 PK                       | 74.0              | -25.3          | 1.59 H                   | 26                         | 37.5                   | 11.2                           |
| 6                                                   | 4824.00        | 37.6 AV                       | 54.0              | -16.4          | 1.59 H                   | 26                         | 26.4                   | 11.2                           |
|                                                     | 7236.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 9648.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 12060.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 14472.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 16884.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 19296.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 21708.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 24120.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

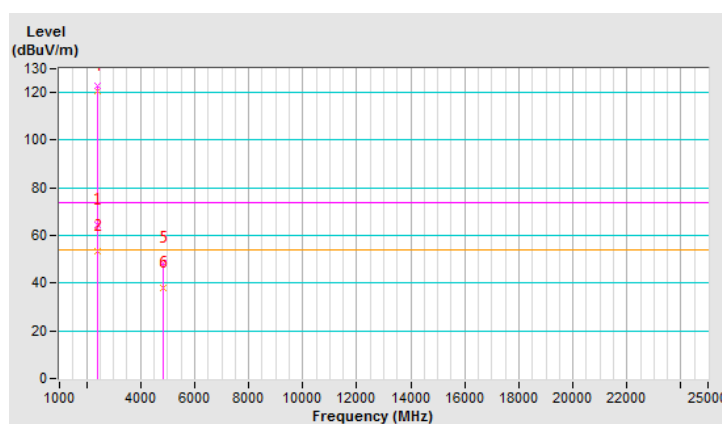


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | DSSS                                           |
| 基本波頻率：  | CH 1：2412 MHz   | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 23°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 2390.00        | 64.6 PK                       | 74.0              | -9.4           | 1.52 V                   | 1                          | 31.7                   | 32.9                           |
| 2                                                 | 2390.00        | 53.5 AV                       | 54.0              | -0.5           | 1.52 V                   | 1                          | 20.6                   | 32.9                           |
| 3                                                 | *2412.00       | 122.7 PK                      |                   |                | 1.52 V                   | 1                          | 89.7                   | 33.0                           |
| 4                                                 | *2412.00       | 120.5 AV                      |                   |                | 1.52 V                   | 1                          | 87.5                   | 33.0                           |
| 5                                                 | 4824.00        | 48.5 PK                       | 74.0              | -25.5          | 1.71 V                   | 1                          | 37.3                   | 11.2                           |
| 6                                                 | 4824.00        | 38.2 AV                       | 54.0              | -15.8          | 1.71 V                   | 1                          | 27.0                   | 11.2                           |
|                                                   | 7236.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 9648.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 12060.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 14472.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 16884.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 19296.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 21708.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 24120.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



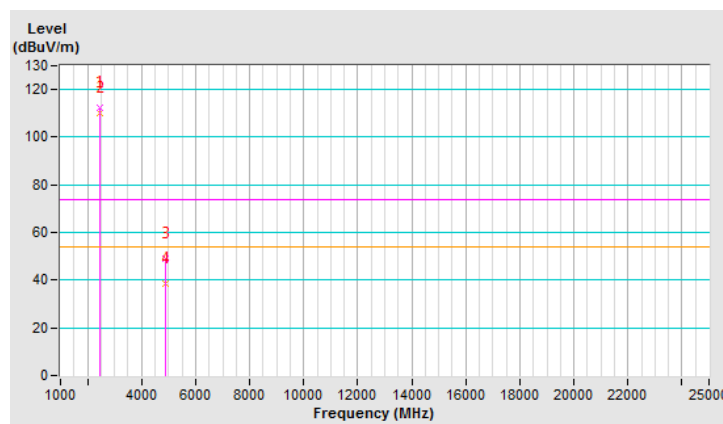
|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | DSSS                                           |
| 基本波頻率：  | CH 6：2437 MHz   | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 23°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                            |

## ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | *2437.00       | 112.1 PK                      |                   |                | 1.00 H                   | 301                        | 79.1                   | 33.0                           |
| 2   | *2437.00       | 109.9 AV                      |                   |                | 1.00 H                   | 301                        | 76.9                   | 33.0                           |
| 3   | 4874.00        | 49.1 PK                       | 74.0              | -24.9          | 1.00 H                   | 159                        | 38.0                   | 11.1                           |
| 4   | 4874.00        | 38.5 AV                       | 54.0              | -15.5          | 1.00 H                   | 159                        | 27.4                   | 11.1                           |
|     | 7311.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 9748.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 12185.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 14622.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 17059.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 19496.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 21933.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 24370.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

## Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



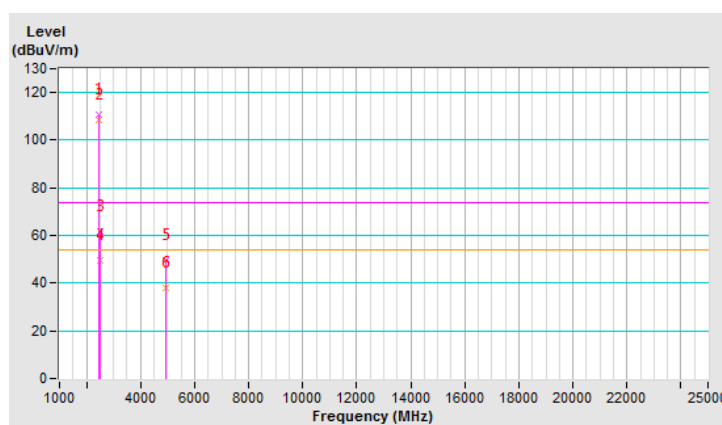


|         |                  |         |                                                |
|---------|------------------|---------|------------------------------------------------|
| 操作模式：   | 發射               | 調變技術：   | DSSS                                           |
| 基本波頻率：  | CH 11 : 2462 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 23°C             | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 14 日  | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | *2462.00    | 110.6 PK                |                |             | 1.00 H             | 12                   | 77.6             | 33.0                     |
| 2                                                   | *2462.00    | 108.4 AV                |                |             | 1.00 H             | 12                   | 75.4             | 33.0                     |
| 3                                                   | 2488.80     | 61.6 PK                 | 74.0           | -12.4       | 1.00 H             | 12                   | 28.4             | 33.2                     |
| 4                                                   | 2488.80     | 49.6 AV                 | 54.0           | -4.4        | 1.00 H             | 12                   | 16.4             | 33.2                     |
| 5                                                   | 4924.00     | 49.6 PK                 | 74.0           | -24.4       | 2.19 H             | 63                   | 38.5             | 11.1                     |
| 6                                                   | 4924.00     | 38.0 AV                 | 54.0           | -16.0       | 2.19 H             | 63                   | 26.9             | 11.1                     |
|                                                     | 7386.00     | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 9848.00     | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 12310.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 14772.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 17234.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 19696.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 22158.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 24620.00    | -                       | -              | -           | -                  | -                    | -                | -                        |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



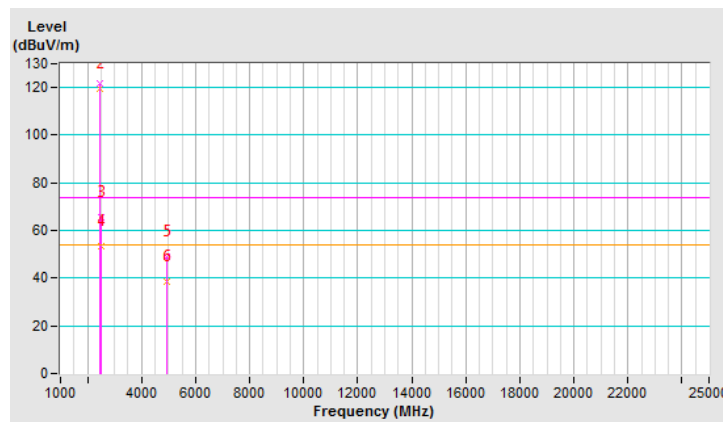
|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | DSSS                                           |
| 基本波頻率：  | CH 11：2462 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 23°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                            |

#### ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | *2462.00       | 121.6 PK                      |                   |                | 1.23 V                   | 351                        | 88.6                   | 33.0                           |
| 2   | *2462.00       | 119.6 AV                      |                   |                | 1.23 V                   | 351                        | 86.6                   | 33.0                           |
| 3   | 2488.80        | 65.3 PK                       | 74.0              | -8.7           | 1.23 V                   | 351                        | 32.1                   | 33.2                           |
| 4   | 2488.80        | 53.5 AV                       | 54.0              | -0.5           | 1.23 V                   | 351                        | 20.3                   | 33.2                           |
| 5   | 4924.00        | 49.3 PK                       | 74.0              | -24.7          | 1.69 V                   | 216                        | 38.2                   | 11.1                           |
| 6   | 4924.00        | 38.4 AV                       | 54.0              | -15.6          | 1.69 V                   | 216                        | 27.3                   | 11.1                           |
|     | 7386.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 9848.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 12310.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 14772.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 17234.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 19696.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 22158.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 24620.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

#### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



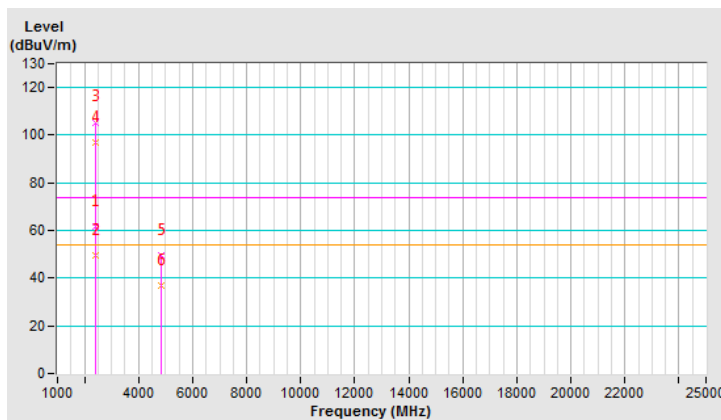
802.11g

|         |                 |         |                                                 |
|---------|-----------------|---------|-------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                            |
| 基本波頻率：  | CH 1：2412 MHz   | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10kHz |
| 量測場地溫度： | 23°C            | 量測場地濕度： | 70%RH                                           |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                             |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 2390.00        | 61.9 PK                       | 74.0              | -12.1          | 1.05 H                   | 12                         | 29.0                   | 32.9                           |
| 2                                                   | 2390.00        | 49.5 AV                       | 54.0              | -4.5           | 1.05 H                   | 12                         | 16.6                   | 32.9                           |
| 3                                                   | *2412.00       | 105.5 PK                      |                   |                | 1.43 H                   | 352                        | 72.5                   | 33.0                           |
| 4                                                   | *2412.00       | 96.8 AV                       |                   |                | 1.43 H                   | 352                        | 63.8                   | 33.0                           |
| 5                                                   | 4824.00        | 49.7 PK                       | 74.0              | -24.3          | 1.36 H                   | 199                        | 38.5                   | 11.2                           |
| 6                                                   | 4824.00        | 36.8 AV                       | 54.0              | -17.2          | 1.36 H                   | 199                        | 25.6                   | 11.2                           |
|                                                     | 7236.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 9648.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 12060.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 14472.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 16884.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 19296.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 21708.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 24120.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



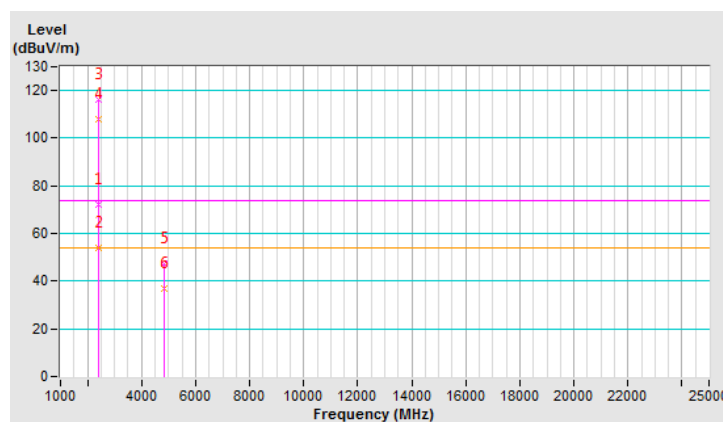
|         |                 |         |                                                 |
|---------|-----------------|---------|-------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                            |
| 基本波頻率：  | CH 1：2412 MHz   | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10kHz |
| 量測場地溫度： | 23°C            | 量測場地濕度： | 70%RH                                           |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                             |

## ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 2390.00        | 72.4 PK                       | 74.0              | -1.6           | 1.43 V                   | 352                        | 39.5                   | 32.9                           |
| 2   | 2390.00        | 53.9 AV                       | 54.0              | -0.1           | 1.43 V                   | 352                        | 21.0                   | 32.9                           |
| 3   | *2412.00       | 116.4 PK                      |                   |                | 1.43 V                   | 352                        | 83.4                   | 33.0                           |
| 4   | *2412.00       | 107.9 AV                      |                   |                | 1.43 V                   | 352                        | 74.9                   | 33.0                           |
| 5   | 4824.00        | 47.6 PK                       | 74.0              | -26.4          | 2.16 V                   | 263                        | 36.4                   | 11.2                           |
| 6   | 4824.00        | 37.1 AV                       | 54.0              | -16.9          | 2.16 V                   | 263                        | 25.9                   | 11.2                           |
|     | 7236.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 9648.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 12060.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 14472.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 16884.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 19296.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 21708.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 24120.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

## Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

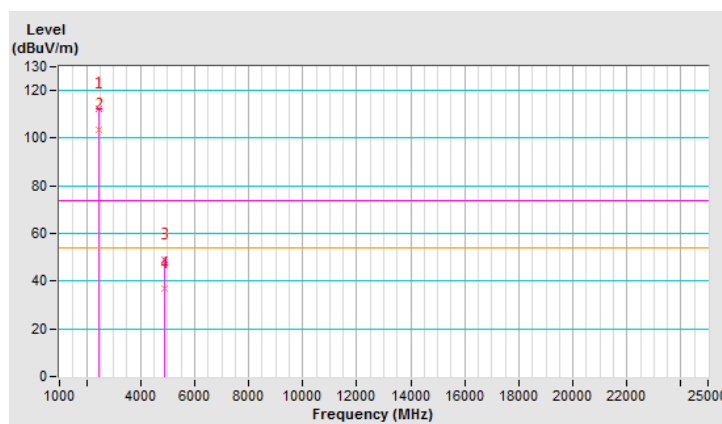


|         |                 |         |                                                 |
|---------|-----------------|---------|-------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                            |
| 基本波頻率：  | CH 6：2437 MHz   | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10kHz |
| 量測場地溫度： | 23°C            | 量測場地濕度： | 70%RH                                           |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                             |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *2437.00       | 112.6 PK                      |                   |                | 1.00 H                   | 14                         | 79.6                   | 33.0                           |
| 2                                                   | *2437.00       | 103.7 AV                      |                   |                | 1.00 H                   | 14                         | 70.7                   | 33.0                           |
| 3                                                   | 4874.00        | 49.1 PK                       | 74.0              | -24.9          | 1.55 H                   | 157                        | 38.0                   | 11.1                           |
| 4                                                   | 4874.00        | 37.1 AV                       | 54.0              | -16.9          | 1.55 H                   | 157                        | 26.0                   | 11.1                           |
|                                                     | 7311.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 9748.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 12185.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 14622.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 17059.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 19496.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 21933.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 24370.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



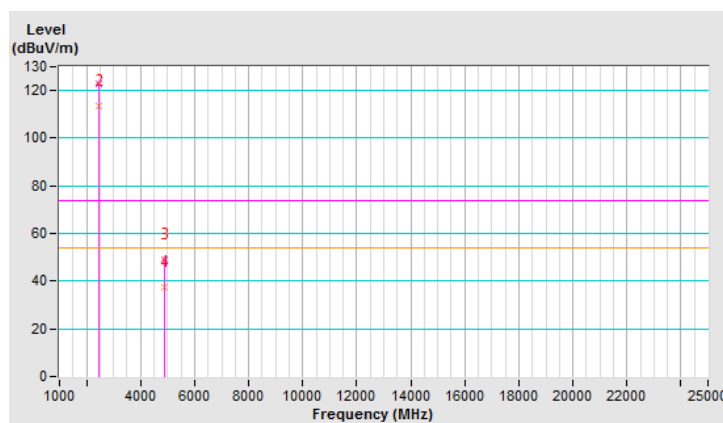
|         |                 |         |                                                 |
|---------|-----------------|---------|-------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                            |
| 基本波頻率：  | CH 6：2437 MHz   | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10kHz |
| 量測場地溫度： | 23°C            | 量測場地濕度： | 70%RH                                           |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                             |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | *2437.00       | 122.6 PK                      |                   |                | 1.42 V                   | 3                          | 89.6                   | 33.0                           |
| 2   | *2437.00       | 113.7 AV                      |                   |                | 1.42 V                   | 3                          | 80.7                   | 33.0                           |
| 3   | 4874.00        | 49.3 PK                       | 74.0              | -24.7          | 1.65 V                   | 222                        | 38.2                   | 11.1                           |
| 4   | 4874.00        | 37.3 AV                       | 54.0              | -16.7          | 1.65 V                   | 222                        | 26.2                   | 11.1                           |
|     | 7311.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 9748.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 12185.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 14622.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 17059.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 19496.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 21933.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 24370.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

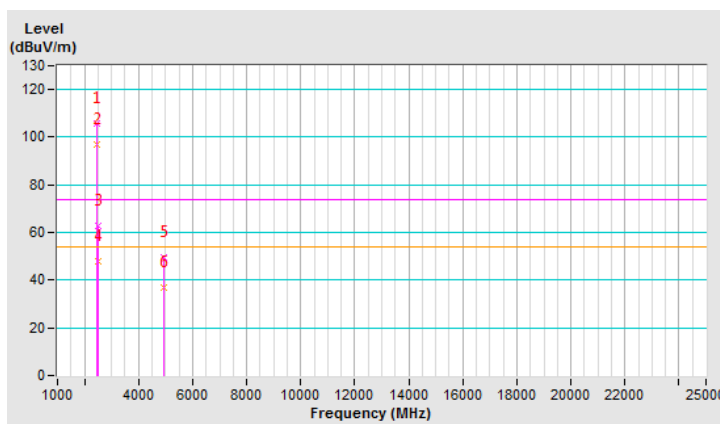


|         |                 |         |                                                 |
|---------|-----------------|---------|-------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                            |
| 基本波頻率：  | CH 11：2462 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10kHz |
| 量測場地溫度： | 23°C            | 量測場地濕度： | 70%RH                                           |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                             |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *2462.00       | 105.9 PK                      |                   |                | 1.25 H                   | 26                         | 72.9                   | 33.0                           |
| 2                                                   | *2462.00       | 96.9 AV                       |                   |                | 1.25 H                   | 26                         | 63.9                   | 33.0                           |
| 3                                                   | 2483.50        | 63.0 PK                       | 74.0              | -11.0          | 1.25 H                   | 26                         | 29.8                   | 33.2                           |
| 4                                                   | 2483.50        | 47.8 AV                       | 54.0              | -6.2           | 1.25 H                   | 26                         | 14.6                   | 33.2                           |
| 5                                                   | 4924.00        | 49.6 PK                       | 74.0              | -24.4          | 2.15 H                   | 200                        | 38.5                   | 11.1                           |
| 6                                                   | 4924.00        | 37.0 AV                       | 54.0              | -17.0          | 2.15 H                   | 200                        | 25.9                   | 11.1                           |
|                                                     | 7386.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 9848.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 12310.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 14772.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 17234.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 19696.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 22158.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 24620.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



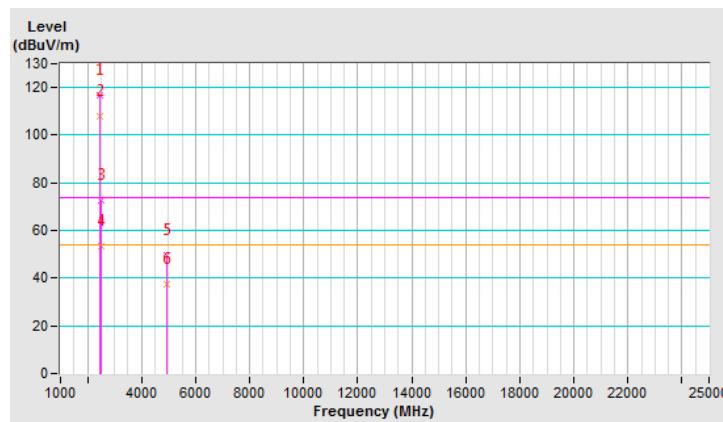
|         |                  |         |                                                 |
|---------|------------------|---------|-------------------------------------------------|
| 操作模式：   | 發射               | 調變技術：   | OFDM                                            |
| 基本波頻率：  | CH 11 : 2462 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10kHz |
| 量測場地溫度： | 23°C             | 量測場地濕度： | 70%RH                                           |
| 測試日期：   | 109 年 07 月 14 日  | 測試者：    | 張家誠                                             |

## ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | *2462.00       | 116.7 PK                      |                   |                | 1.25 V                   | 1                          | 83.7                   | 33.0                           |
| 2   | *2462.00       | 107.7 AV                      |                   |                | 1.25 V                   | 1                          | 74.7                   | 33.0                           |
| 3   | 2483.50        | 72.9 PK                       | 74.0              | -1.1           | 1.25 V                   | 1                          | 39.7                   | 33.2                           |
| 4   | 2483.50        | 53.6 AV                       | 54.0              | -0.4           | 1.25 V                   | 1                          | 20.4                   | 33.2                           |
| 5   | 4924.00        | 49.6 PK                       | 74.0              | -24.4          | 1.23 V                   | 305                        | 38.5                   | 11.1                           |
| 6   | 4924.00        | 37.3 AV                       | 54.0              | -16.7          | 1.23 V                   | 305                        | 26.2                   | 11.1                           |
|     | 7386.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 9848.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 12310.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 14772.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 17234.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 19696.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 22158.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 24620.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

## Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



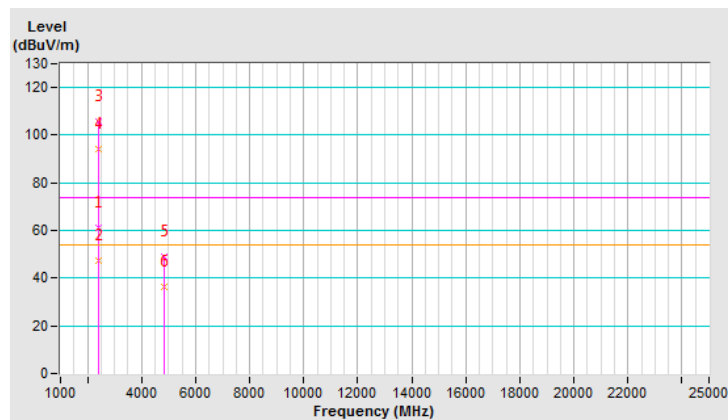
# 802.11ax (HE20)

|         |                 |         |                                                 |
|---------|-----------------|---------|-------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                           |
| 基本波頻率：  | CH 1：2412 MHz   | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                           |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                             |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 2390.00        | 61.4 PK                       | 74.0              | -12.6          | 1.57 H                   | 1                          | 28.5                   | 32.9                           |
| 2                                                   | 2390.00        | 47.2 AV                       | 54.0              | -6.8           | 1.57 H                   | 1                          | 14.3                   | 32.9                           |
| 3                                                   | *2412.00       | 105.7 PK                      |                   |                | 1.57 H                   | 1                          | 72.7                   | 33.0                           |
| 4                                                   | *2412.00       | 94.3 AV                       |                   |                | 1.57 H                   | 1                          | 61.3                   | 33.0                           |
| 5                                                   | 4824.00        | 48.8 PK                       | 74.0              | -25.2          | 1.69 H                   | 326                        | 37.6                   | 11.2                           |
| 6                                                   | 4824.00        | 36.1 AV                       | 54.0              | -17.9          | 1.69 H                   | 326                        | 24.9                   | 11.2                           |
|                                                     | 7236.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 9648.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 12060.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 14472.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 16884.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 19296.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 21708.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 24120.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

## Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



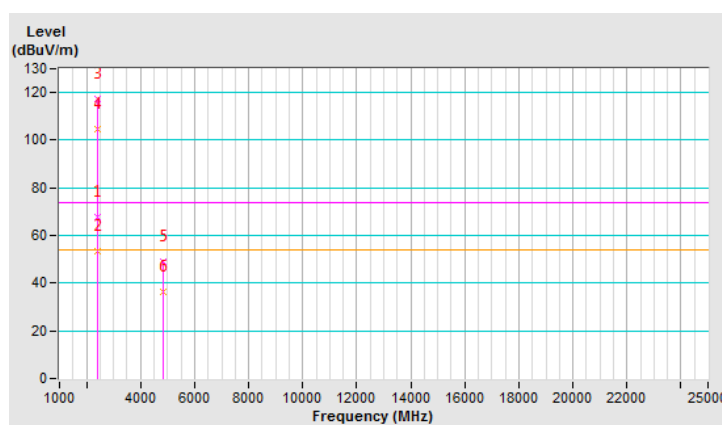
|         |                 |         |                                                 |
|---------|-----------------|---------|-------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                           |
| 基本波頻率：  | CH 1：2412 MHz   | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                           |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                             |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 2390.00        | 67.7 PK                       | 74.0              | -6.3           | 1.57 V                   | 359                        | 34.8                   | 32.9                           |
| 2   | 2390.00        | 53.3 AV                       | 54.0              | -0.7           | 1.57 V                   | 359                        | 20.4                   | 32.9                           |
| 3   | *2412.00       | 117.4 PK                      |                   |                | 1.57 V                   | 359                        | 84.4                   | 33.0                           |
| 4   | *2412.00       | 104.8 AV                      |                   |                | 1.57 V                   | 359                        | 71.8                   | 33.0                           |
| 5   | 4824.00        | 49.2 PK                       | 74.0              | -24.8          | 1.69 V                   | 326                        | 38.0                   | 11.2                           |
| 6   | 4824.00        | 36.5 AV                       | 54.0              | -17.5          | 1.69 V                   | 326                        | 25.3                   | 11.2                           |
|     | 7236.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 9648.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 12060.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 14472.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 16884.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 19296.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 21708.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 24120.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

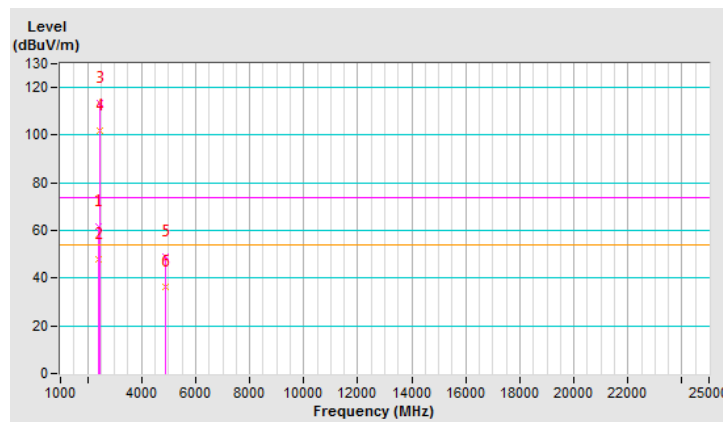


|         |                 |         |                                                 |
|---------|-----------------|---------|-------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                           |
| 基本波頻率：  | CH 6：2437 MHz   | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                           |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                             |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 2390.00        | 61.7 PK                       | 74.0              | -12.3          | 1.00 H                   | 16                         | 28.8                   | 32.9                           |
| 2                                                   | 2390.00        | 47.7 AV                       | 54.0              | -6.3           | 1.00 H                   | 16                         | 14.8                   | 32.9                           |
| 3                                                   | *2437.00       | 113.4 PK                      |                   |                | 1.00 H                   | 16                         | 80.4                   | 33.0                           |
| 4                                                   | *2437.00       | 101.8 AV                      |                   |                | 1.00 H                   | 16                         | 68.8                   | 33.0                           |
| 5                                                   | 4874.00        | 49.0 PK                       | 74.0              | -25.0          | 1.06 H                   | 322                        | 37.9                   | 11.1                           |
| 6                                                   | 4874.00        | 36.2 AV                       | 54.0              | -17.8          | 1.06 H                   | 322                        | 25.1                   | 11.1                           |
|                                                     | 7311.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 9748.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 12185.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 14622.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 17059.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 19496.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 21933.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 24370.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



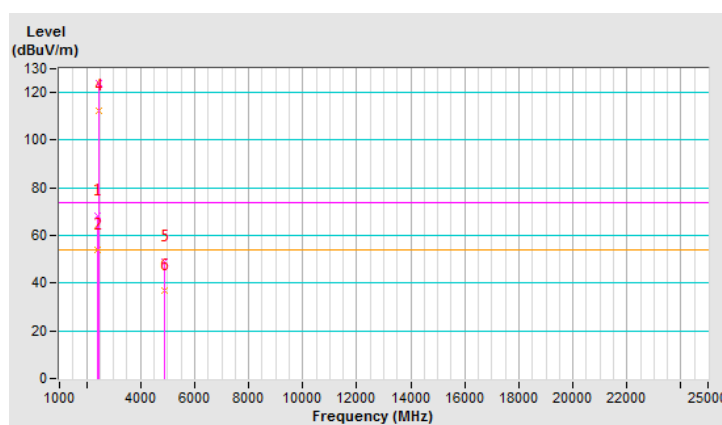
|         |                 |         |                                                 |
|---------|-----------------|---------|-------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                           |
| 基本波頻率：  | CH 6：2437 MHz   | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                           |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                             |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 2390.00        | 68.4 PK                       | 74.0              | -5.6           | 1.52 V                   | 322                        | 35.5                   | 32.9                           |
| 2   | <b>2390.00</b> | <b>53.9 AV</b>                | <b>54.0</b>       | <b>-0.1</b>    | <b>1.52 V</b>            | <b>322</b>                 | <b>21.0</b>            | <b>32.9</b>                    |
| 3   | *2437.00       | 124.0 PK                      |                   |                | 1.52 V                   | 322                        | 91.0                   | 33.0                           |
| 4   | *2437.00       | 112.6 AV                      |                   |                | 1.52 V                   | 322                        | 79.6                   | 33.0                           |
| 5   | 4874.00        | 49.2 PK                       | 74.0              | -24.8          | 1.66 V                   | 169                        | 38.1                   | 11.1                           |
| 6   | 4874.00        | 37.0 AV                       | 54.0              | -17.0          | 1.66 V                   | 169                        | 25.9                   | 11.1                           |
|     | 7311.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 9748.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 12185.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 14622.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 17059.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 19496.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 21933.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 24370.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

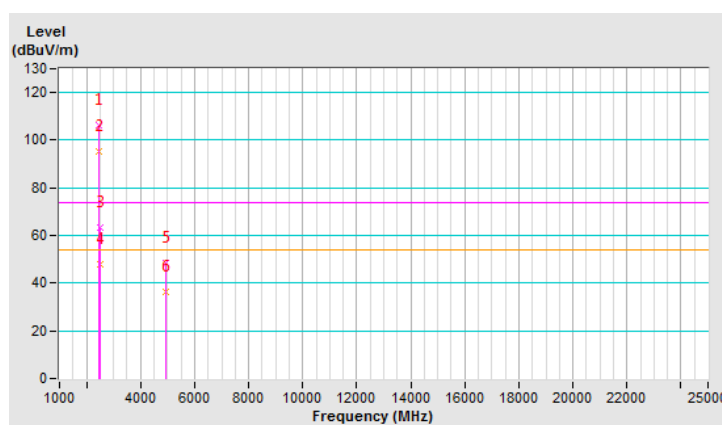


|         |                  |         |                                                 |
|---------|------------------|---------|-------------------------------------------------|
| 操作模式：   | 發射               | 調變技術：   | OFDMA                                           |
| 基本波頻率：  | CH 11 : 2462 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10kHz |
| 量測場地溫度： | 25°C             | 量測場地濕度： | 70%RH                                           |
| 測試日期：   | 109 年 07 月 14 日  | 測試者：    | 張家誠                                             |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | *2462.00    | 106.1 PK                |                |             | 1.05 H             | 20                   | 73.1             | 33.0                     |
| 2                                                   | *2462.00    | 95.2 AV                 |                |             | 1.05 H             | 20                   | 62.2             | 33.0                     |
| 3                                                   | 2484.30     | 63.4 PK                 | 74.0           | -10.6       | 1.05 H             | 20                   | 30.2             | 33.2                     |
| 4                                                   | 2484.30     | 47.8 AV                 | 54.0           | -6.2        | 1.05 H             | 20                   | 14.6             | 33.2                     |
| 5                                                   | 4924.00     | 48.6 PK                 | 74.0           | -25.4       | 1.65 H             | 105                  | 37.5             | 11.1                     |
| 6                                                   | 4924.00     | 36.4 AV                 | 54.0           | -17.6       | 1.65 H             | 105                  | 25.3             | 11.1                     |
|                                                     | 7386.00     | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 9848.00     | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 12310.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 14772.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 17234.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 19696.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 22158.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 24620.00    | -                       | -              | -           | -                  | -                    | -                | -                        |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

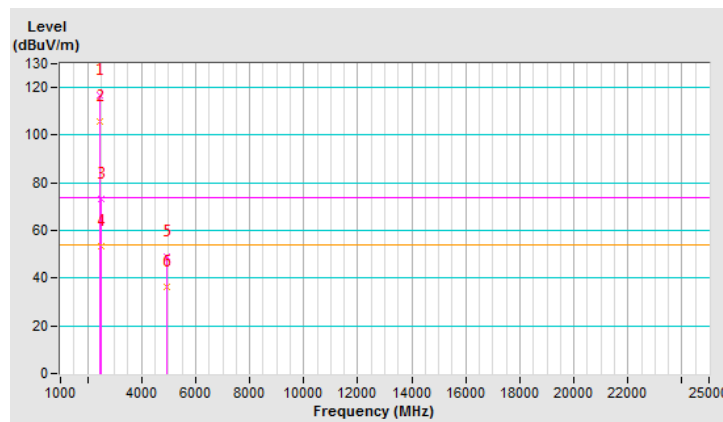


|         |                 |         |                                                 |
|---------|-----------------|---------|-------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                           |
| 基本波頻率：  | CH 11：2462 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                           |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                             |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | *2462.00       | 116.9 PK                      |                   |                | 1.52 V                   | 338                        | 83.9                   | 33.0                           |
| 2                                                 | *2462.00       | 106.0 AV                      |                   |                | 1.52 V                   | 338                        | 73.0                   | 33.0                           |
| 3                                                 | 2484.30        | 73.3 PK                       | 74.0              | -0.7           | 1.52 V                   | 338                        | 40.1                   | 33.2                           |
| 4                                                 | 2484.30        | 53.4 AV                       | 54.0              | -0.6           | 1.52 V                   | 338                        | 20.2                   | 33.2                           |
| 5                                                 | 4924.00        | 49.1 PK                       | 74.0              | -24.9          | 1.69 V                   | 158                        | 38.0                   | 11.1                           |
| 6                                                 | 4924.00        | 36.1 AV                       | 54.0              | -17.9          | 1.69 V                   | 158                        | 25.0                   | 11.1                           |
|                                                   | 7386.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 9848.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 12310.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 14772.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 17234.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 19696.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 22158.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 24620.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



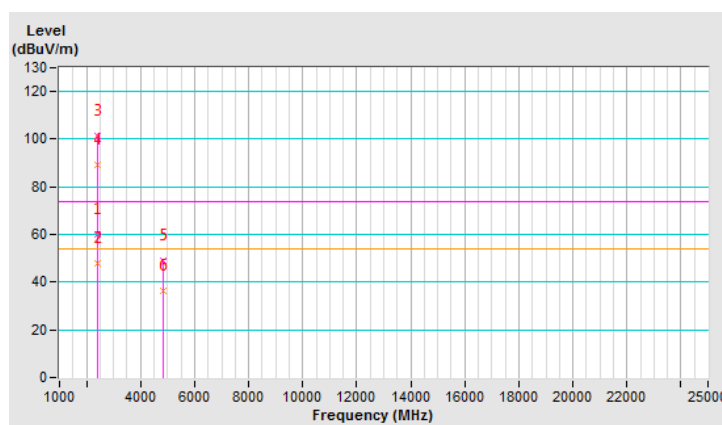
# 802.11ax (HE40)

|               |                 |               |                                                 |
|---------------|-----------------|---------------|-------------------------------------------------|
| 操 作 模 式 :     | 發射              | 調 變 技 術 :     | OFDMA                                           |
| 基 本 波 頻 率 :   | CH 3 : 2422 MHz | 測 試 儀 器 :     | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10kHz |
| 量 測 場 地 溫 度 : | 25°C            | 量 測 場 地 濕 度 : | 70%RH                                           |
| 測 試 日 期 :     | 109 年 07 月 14 日 | 測 試 者 :       | 張家誠                                             |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 2388.00     | 59.8 PK                 | 74.0           | -14.2       | 1.57 H             | 1                    | 26.8             | 33.0                     |
| 2                                                   | 2388.00     | 47.8 AV                 | 54.0           | -6.2        | 1.57 H             | 1                    | 14.8             | 33.0                     |
| 3                                                   | *2422.00    | 101.6 PK                |                |             | 1.57 H             | 1                    | 68.6             | 33.0                     |
| 4                                                   | *2422.00    | 89.5 AV                 |                |             | 1.57 H             | 1                    | 56.5             | 33.0                     |
| 5                                                   | 4844.00     | 49.0 PK                 | 74.0           | -25.0       | 2.41 H             | 187                  | 37.9             | 11.1                     |
| 6                                                   | 4844.00     | 36.4 AV                 | 54.0           | -17.6       | 2.41 H             | 187                  | 25.3             | 11.1                     |
|                                                     | 7266.00     | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 9688.00     | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 12110.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 14532.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 16954.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 19376.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 21798.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 24220.00    | -                       | -              | -           | -                  | -                    | -                | -                        |

## Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



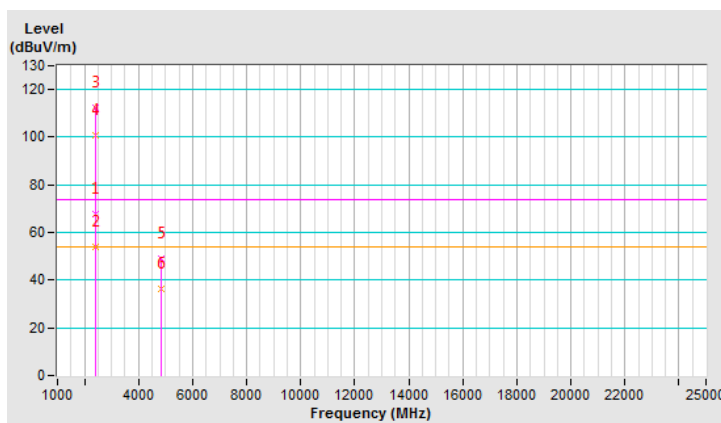
|               |                 |               |                                                 |
|---------------|-----------------|---------------|-------------------------------------------------|
| 操 作 模 式 :     | 發射              | 調 變 技 術 :     | OFDMA                                           |
| 基 本 波 頻 率 :   | CH 3 : 2422 MHz | 測 試 儀 器 :     | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10kHz |
| 量 測 場 地 溫 度 : | 25°C            | 量 測 場 地 濕 度 : | 70%RH                                           |
| 測 試 日 期 :     | 109 年 07 月 14 日 | 測 試 者 :       | 張家誠                                             |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
|-----|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| 1   | 2388.00     | 67.5 PK                 | 74.0           | -6.5        | 1.53 V             | 355                  | 34.5             | 33.0                     |
| 2   | 2388.00     | 53.9 AV                 | 54.0           | -0.1        | 1.53 V             | 355                  | 20.9             | 33.0                     |
| 3   | *2422.00    | 112.5 PK                |                |             | 1.53 V             | 355                  | 79.5             | 33.0                     |
| 4   | *2422.00    | 100.9 AV                |                |             | 1.53 V             | 355                  | 67.9             | 33.0                     |
| 5   | 4844.00     | 49.2 PK                 | 74.0           | -24.8       | 1.65 V             | 210                  | 38.1             | 11.1                     |
| 6   | 4844.00     | 36.3 AV                 | 54.0           | -17.7       | 1.65 V             | 210                  | 25.2             | 11.1                     |
|     | 7266.00     | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 9688.00     | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 12110.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 14532.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 16954.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 19376.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 21798.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 24220.00    | -                       | -              | -           | -                  | -                    | -                | -                        |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



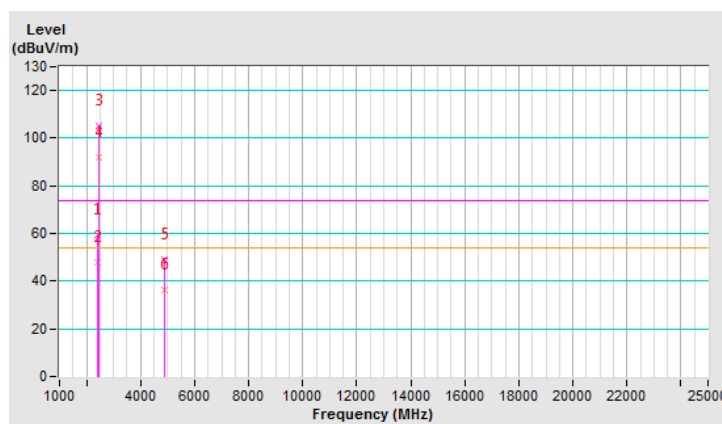
|         |                 |         |                                                 |
|---------|-----------------|---------|-------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                           |
| 基本波頻率：  | CH 6：2437 MHz   | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                           |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                             |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
|-----|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| 1   | 2389.00     | 59.4 PK                 | 74.0           | -14.6       | 1.00 H             | 19                   | 26.4             | 33.0                     |
| 2   | 2389.00     | 47.7 AV                 | 54.0           | -6.3        | 1.00 H             | 19                   | 14.7             | 33.0                     |
| 3   | *2437.00    | 105.4 PK                |                |             | 1.00 H             | 19                   | 72.4             | 33.0                     |
| 4   | *2437.00    | 92.0 AV                 |                |             | 1.00 H             | 19                   | 59.0             | 33.0                     |
| 5   | 4874.00     | 48.9 PK                 | 74.0           | -25.1       | 2.66 H             | 280                  | 37.8             | 11.1                     |
| 6   | 4874.00     | 36.4 AV                 | 54.0           | -17.6       | 2.66 H             | 280                  | 25.3             | 11.1                     |
|     | 7311.00     | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 9748.00     | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 12185.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 14622.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 17059.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 19496.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 21933.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 24370.00    | -                       | -              | -           | -                  | -                    | -                | -                        |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



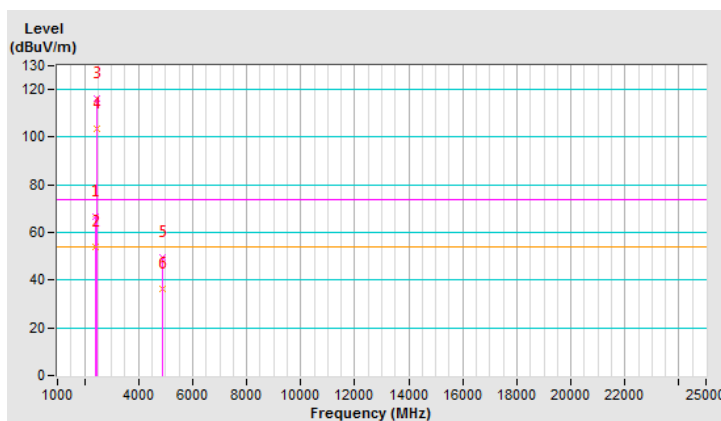
|               |                 |               |                                                 |
|---------------|-----------------|---------------|-------------------------------------------------|
| 操 作 模 式 :     | 發射              | 調 變 技 術 :     | OFDMA                                           |
| 基 本 波 頻 率 :   | CH 6 : 2437 MHz | 測 試 儀 器 :     | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10kHz |
| 量 測 場 地 溫 度 : | 25°C            | 量 測 場 地 濕 度 : | 70%RH                                           |
| 測 試 日 期 :     | 109 年 07 月 14 日 | 測 試 者 :       | 張家誠                                             |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
|-----|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| 1   | 2389.00     | 66.8 PK                 | 74.0           | -7.2        | 1.54 V             | 355                  | 33.8             | 33.0                     |
| 2   | 2389.00     | 53.8 AV                 | 54.0           | -0.2        | 1.54 V             | 355                  | 20.8             | 33.0                     |
| 3   | *2437.00    | 116.2 PK                |                |             | 1.54 V             | 355                  | 83.2             | 33.0                     |
| 4   | *2437.00    | 103.8 AV                |                |             | 1.54 V             | 355                  | 70.8             | 33.0                     |
| 5   | 4874.00     | 49.4 PK                 | 74.0           | -24.6       | 1.74 V             | 196                  | 38.3             | 11.1                     |
| 6   | 4874.00     | 36.5 AV                 | 54.0           | -17.5       | 1.74 V             | 196                  | 25.4             | 11.1                     |
|     | 7311.00     | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 9748.00     | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 12185.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 14622.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 17059.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 19496.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 21933.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 24370.00    | -                       | -              | -           | -                  | -                    | -                | -                        |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



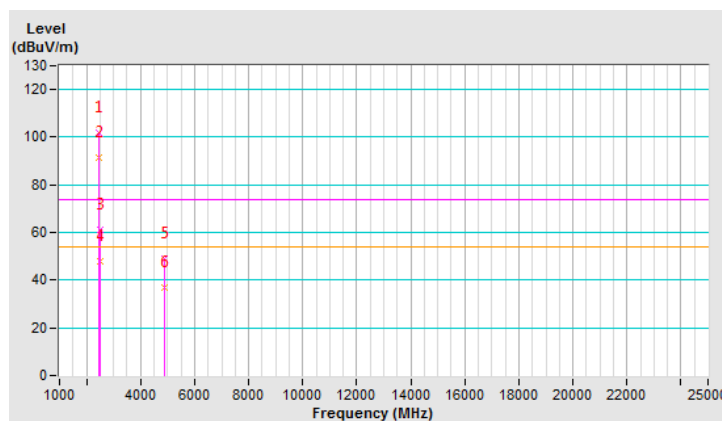
|               |                 |               |                                                 |
|---------------|-----------------|---------------|-------------------------------------------------|
| 操 作 模 式 :     | 發射              | 調 變 技 術 :     | OFDMA                                           |
| 基 本 波 頻 率 :   | CH 9 : 2452 MHz | 測 試 儀 器 :     | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10kHz |
| 量 測 場 地 溫 度 : | 25°C            | 量 測 場 地 濕 度 : | 70%RH                                           |
| 測 試 日 期 :     | 109 年 07 月 14 日 | 測 試 者 :       | 張家誠                                             |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
|-----|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| 1   | *2452.00    | 101.9 PK                |                |             | 1.03 H             | 22                   | 69.0             | 32.9                     |
| 2   | *2452.00    | 91.4 AV                 |                |             | 1.03 H             | 22                   | 58.5             | 32.9                     |
| 3   | 2485.70     | 61.2 PK                 | 74.0           | -12.8       | 1.03 H             | 22                   | 28.0             | 33.2                     |
| 4   | 2485.70     | 47.9 AV                 | 54.0           | -6.1        | 1.03 H             | 22                   | 14.7             | 33.2                     |
| 5   | 4904.00     | 49.1 PK                 | 74.0           | -24.9       | 2.10 H             | 147                  | 37.9             | 11.2                     |
| 6   | 4904.00     | 36.8 AV                 | 54.0           | -17.2       | 2.10 H             | 147                  | 25.6             | 11.2                     |
|     | 7356.00     | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 9808.00     | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 12260.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 14712.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 17164.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 19616.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 22068.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 24520.00    | -                       | -              | -           | -                  | -                    | -                | -                        |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



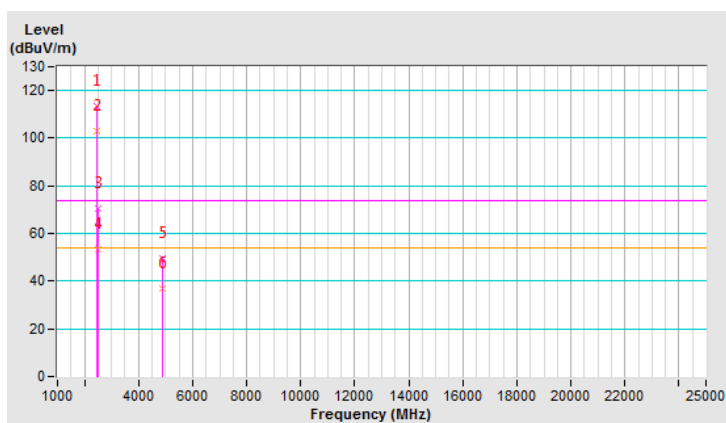
|               |                 |               |                                                 |
|---------------|-----------------|---------------|-------------------------------------------------|
| 操 作 模 式 :     | 發射              | 調 變 技 術 :     | OFDMA                                           |
| 基 本 波 頻 率 :   | CH 9 : 2452 MHz | 測 試 儀 器 :     | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10kHz |
| 量 測 場 地 溫 度 : | 25°C            | 量 測 場 地 濕 度 : | 70%RH                                           |
| 測 試 日 期 :     | 109 年 07 月 14 日 | 測 試 者 :       | 張家誠                                             |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
|-----|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| 1   | *2452.00    | 113.7 PK                |                |             | 1.53 V             | 348                  | 80.8             | 32.9                     |
| 2   | *2452.00    | 103.0 AV                |                |             | 1.53 V             | 348                  | 70.1             | 32.9                     |
| 3   | 2485.70     | 70.5 PK                 | 74.0           | -3.5        | 1.53 V             | 348                  | 37.3             | 33.2                     |
| 4   | 2485.70     | 53.7 AV                 | 54.0           | -0.3        | 1.53 V             | 348                  | 20.5             | 33.2                     |
| 5   | 4904.00     | 49.6 PK                 | 74.0           | -24.4       | 1.69 V             | 188                  | 38.4             | 11.2                     |
| 6   | 4904.00     | 37.0 AV                 | 54.0           | -17.0       | 1.69 V             | 188                  | 25.8             | 11.2                     |
|     | 7356.00     | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 9808.00     | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 12260.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 14712.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 17164.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 19616.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 22068.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|     | 24520.00    | -                       | -              | -           | -                  | -                    | -                | -                        |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



#### 4.6.2 接收諧波

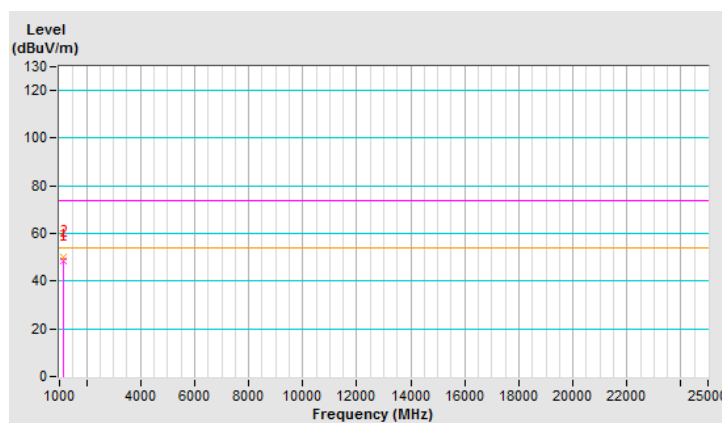
802.11g

|               |                 |               |                                                      |
|---------------|-----------------|---------------|------------------------------------------------------|
| 操 作 模 式 :     | 接收              |               |                                                      |
| 基 本 波 頻 率 :   | CH 6 : 2437 MHz | 測 試 儀 器 :     | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=3MHz (RMS) |
| 量 測 場 地 溫 度 : | 25°C            | 量 測 場 地 濕 度 : | 70%RH                                                |
| 測 試 日 期 :     | 109 年 07 月 29 日 | 測 試 者 :       | 張家誠                                                  |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 1125.00        | 48.4 PK                       | 74.0              | -25.6          | 1.81 H                   | 212                        | 52.4                   | -4.0                           |
| 2                                                   | 1125.00        | 50.3 AV                       | 54.0              | -3.7           | 1.81 H                   | 212                        | 54.3                   | -4.0                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value



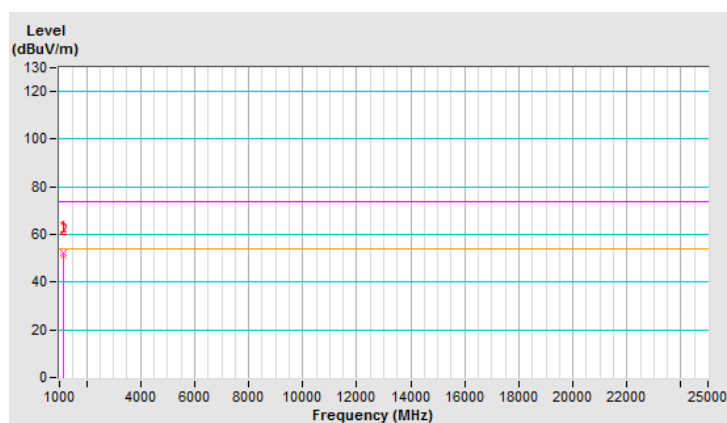
|         |                 |         |                                                      |
|---------|-----------------|---------|------------------------------------------------------|
| 操作模式：   | 接收              |         |                                                      |
| 基本波頻率：  | CH 6：2437 MHz   | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=3MHz (RMS) |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                                |
| 測試日期：   | 109 年 07 月 29 日 | 測試者：    | 張家誠                                                  |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 1125.00        | 52.3 PK                       | 74.0              | -21.7          | 1.00 V                   | 345                        | 56.3                   | -4.0                           |
| 2   | 1125.00        | 51.1 AV                       | 54.0              | -2.9           | 1.00 V                   | 345                        | 55.1                   | -4.0                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value



#### 4.6.3 其它不必要之訊號

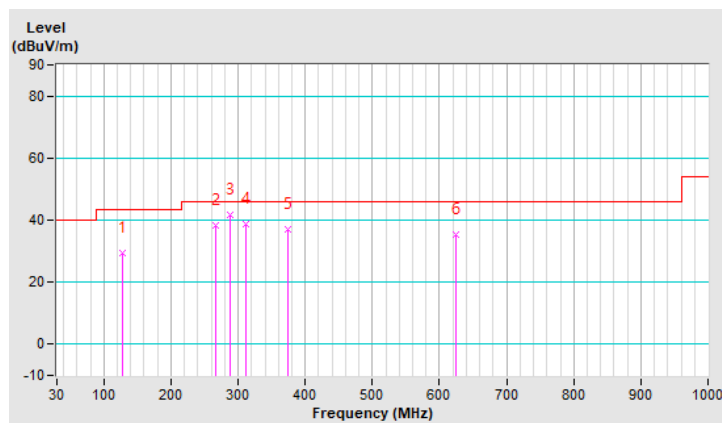
802.11g

|         |                 |         |                   |
|---------|-----------------|---------|-------------------|
| 操作模式：   | 發射/接收           | 調變技術：   | OFDM              |
| 基本波頻率：  | CH 6：2437 MHz   | 測試儀器：   | (QP) RB=VB=120kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH             |
| 測試日期：   | 109 年 07 月 31 日 | 測試者：    | 彭民達               |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 127.00      | 29.2 QP                 | 43.5           | -14.3       | 2.00 H             | 250                  | 39.6             | -10.4                    |
| 2                                                   | 267.58      | 38.1 QP                 | 46.0           | -7.9        | 1.00 H             | 59                   | 46.7             | -8.6                     |
| 3                                                   | 287.26      | 41.5 QP                 | 46.0           | -4.5        | 1.00 H             | 112                  | 49.2             | -7.7                     |
| 4                                                   | 312.57      | 38.6 QP                 | 46.0           | -7.4        | 1.00 H             | 180                  | 45.6             | -7.0                     |
| 5                                                   | 374.42      | 37.0 QP                 | 46.0           | -9.0        | 1.00 H             | 104                  | 42.1             | -5.1                     |
| 6                                                   | 624.65      | 35.2 QP                 | 46.0           | -10.8       | 1.50 H             | 237                  | 33.8             | 1.4                      |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit of frequency range 30MHz ~ 1000MHz.
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz ~ 30MHz.

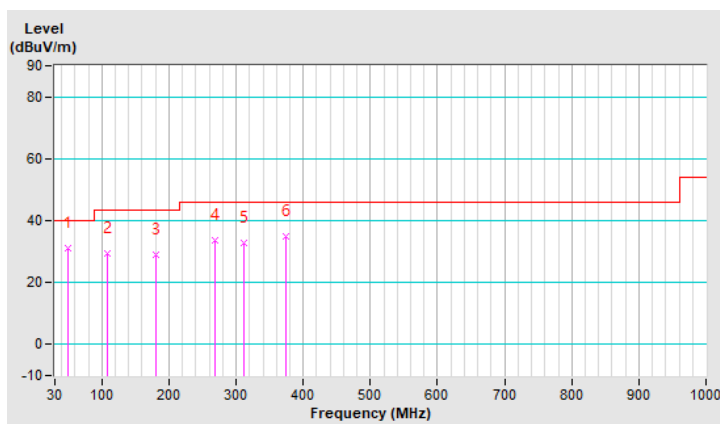


|         |                 |         |                   |
|---------|-----------------|---------|-------------------|
| 操作模式：   | 發射/接收           | 調變技術：   | OFDM              |
| 基本波頻率：  | CH 6：2437 MHz   | 測試儀器：   | (QP) RB=VB=120kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH             |
| 測試日期：   | 109 年 07 月 31 日 | 測試者：    | 彭民達               |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|---------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                               | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                 | 49.68       | 31.3 QP                 | 40.0           | -8.7        | 1.00 V             | 341                  | 40.1             | -8.8                     |
| 2                                                 | 107.32      | 29.3 QP                 | 43.5           | -14.2       | 1.49 V             | 178                  | 41.4             | -12.1                    |
| 3                                                 | 180.42      | 28.8 QP                 | 43.5           | -14.7       | 1.00 V             | 94                   | 38.7             | -9.9                     |
| 4                                                 | 268.99      | 33.6 QP                 | 46.0           | -12.4       | 1.00 V             | 47                   | 42.1             | -8.5                     |
| 5                                                 | 312.57      | 32.8 QP                 | 46.0           | -13.2       | 1.49 V             | 113                  | 39.8             | -7.0                     |
| 6                                                 | 374.42      | 35.1 QP                 | 46.0           | -10.9       | 1.49 V             | 132                  | 40.2             | -5.1                     |

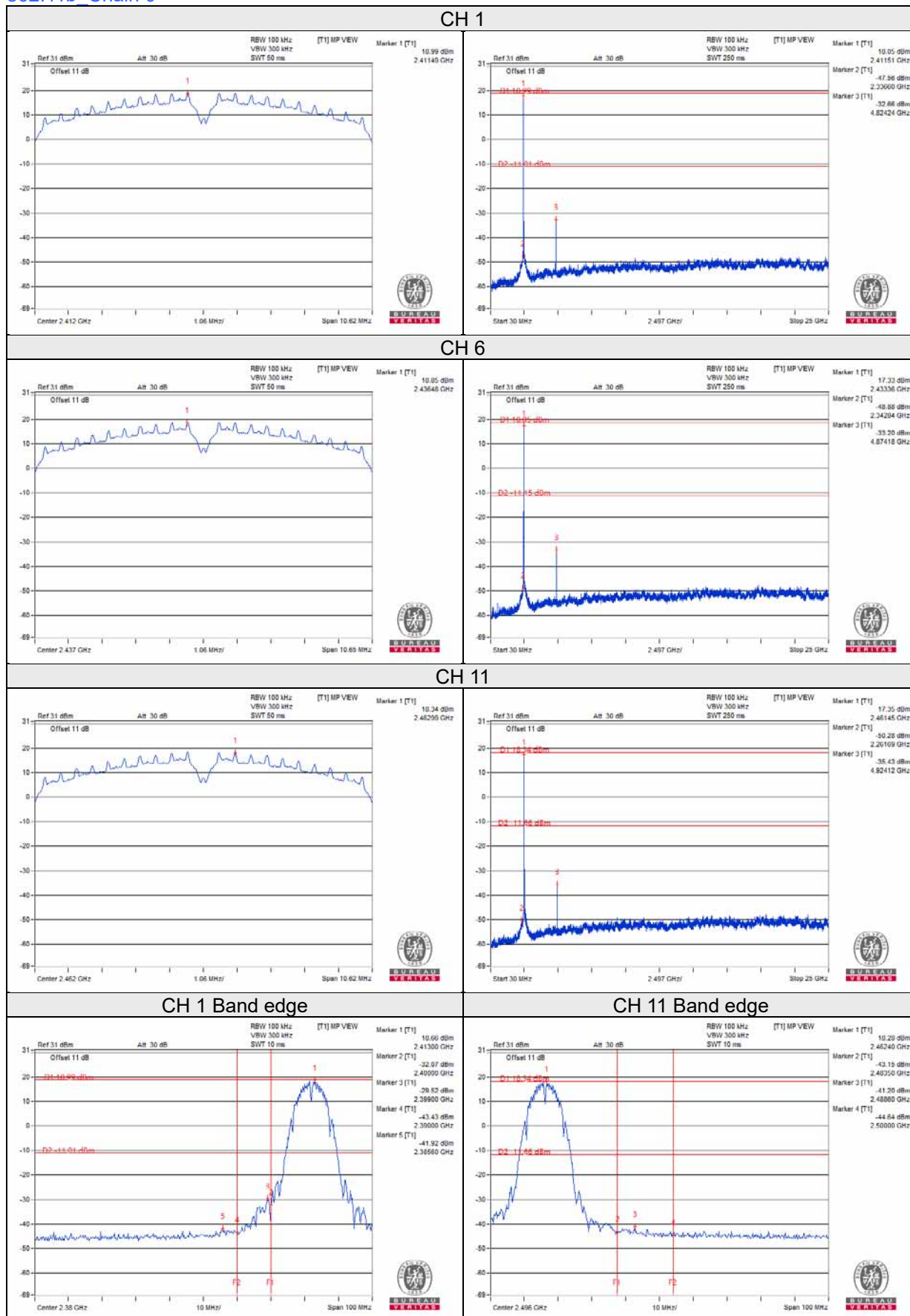
Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit of frequency range 30MHz ~ 1000MHz.
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz ~ 30MHz.



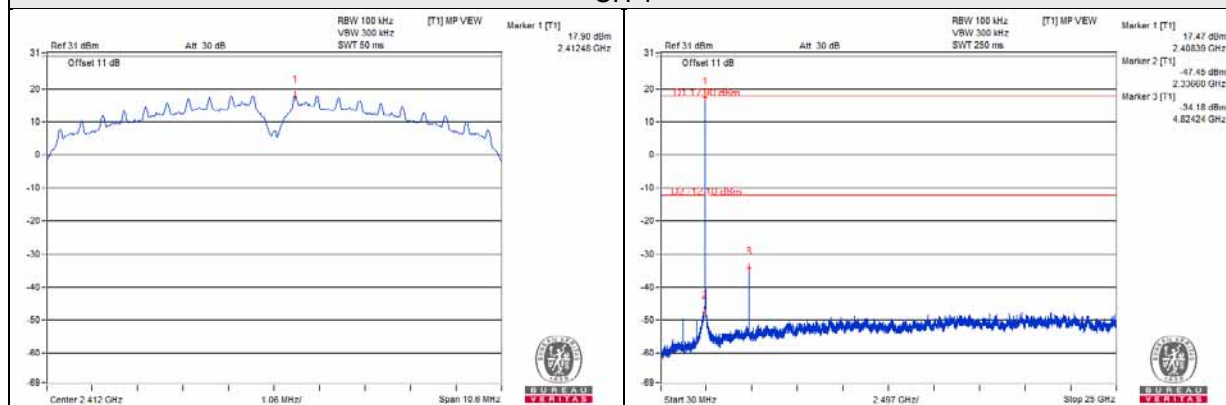
## 4.7 帶外發射之量測 (傳導)

### 802.11b\_Chain 0

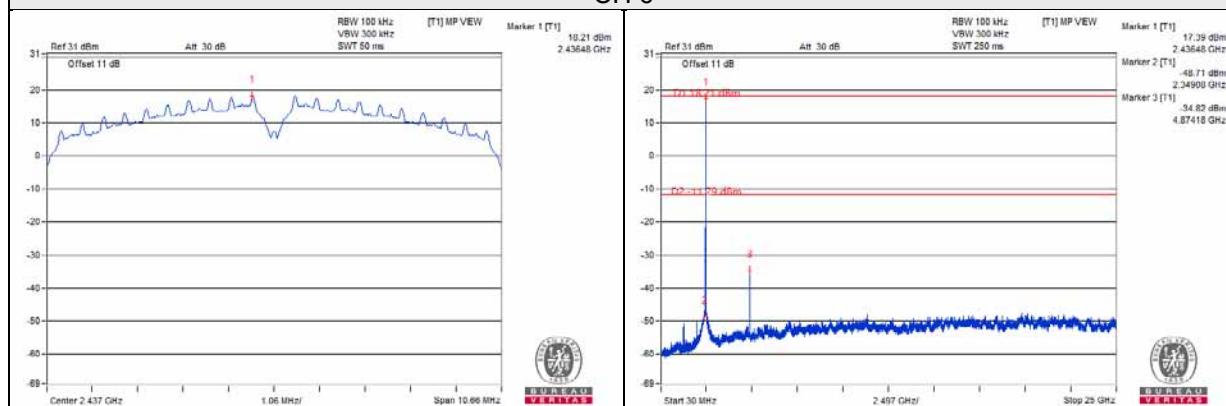


## 802.11b\_Chain 1

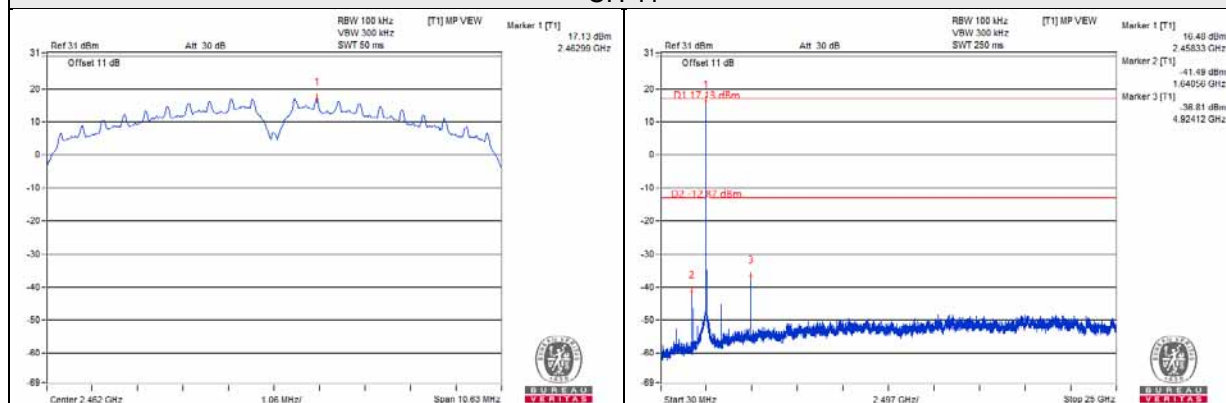
### CH 1



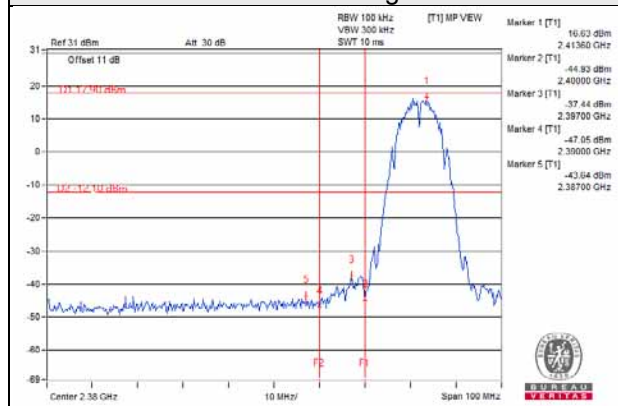
### CH 6



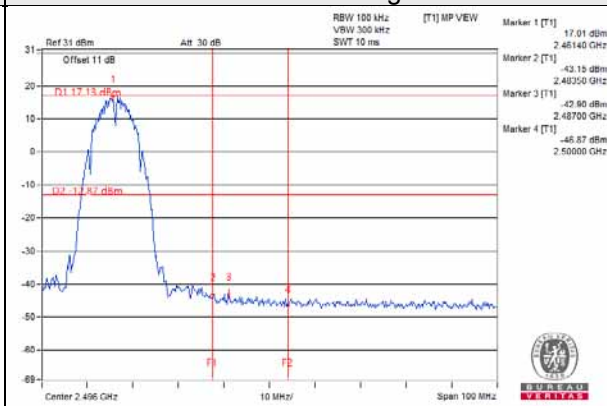
### CH 11



### CH 1 Band edge

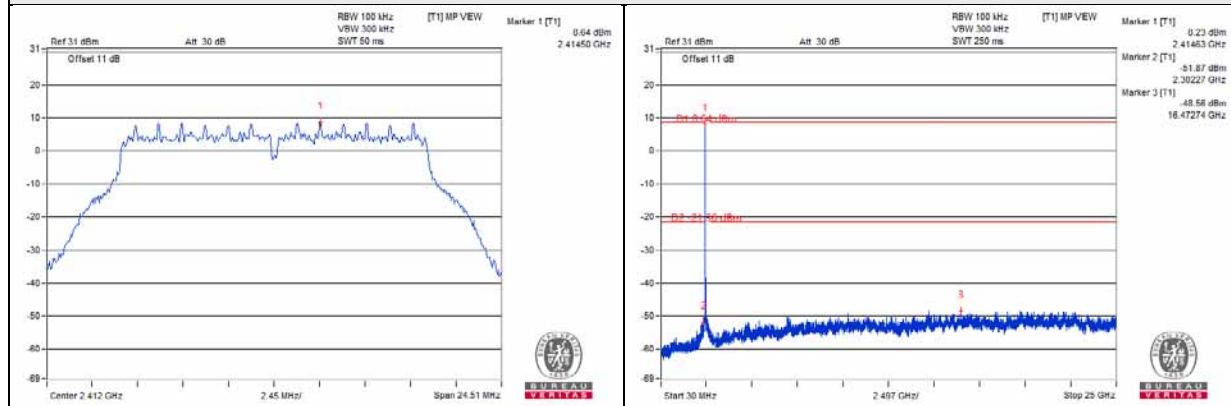


### CH 11 Band edge

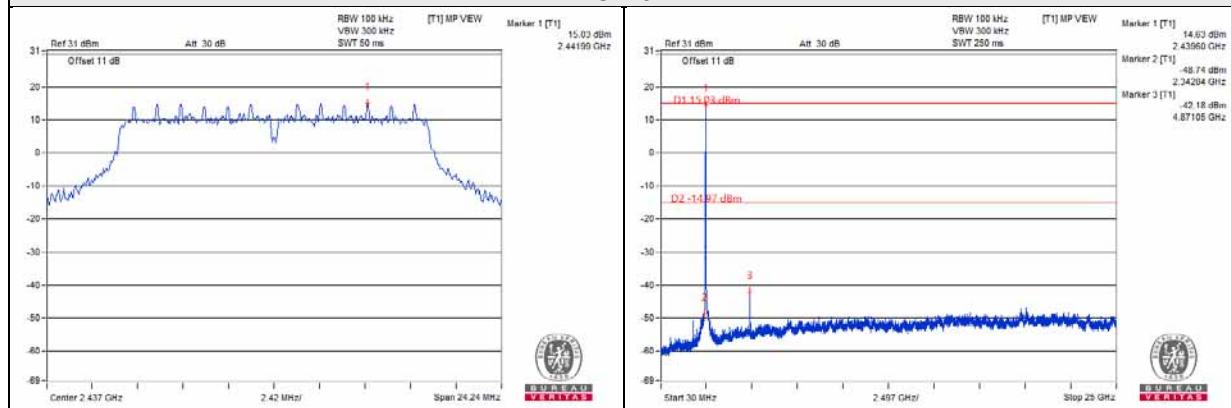


## 802.11g\_Chain 0

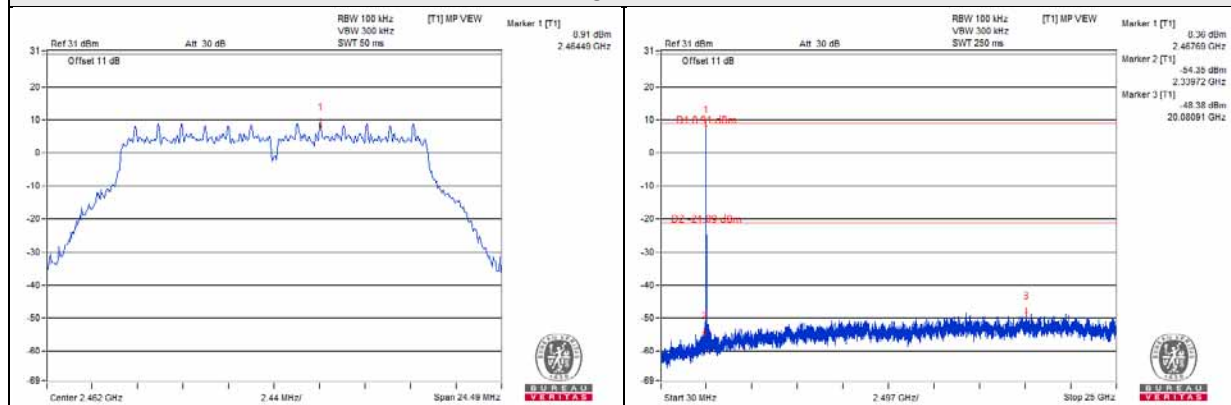
### CH 1



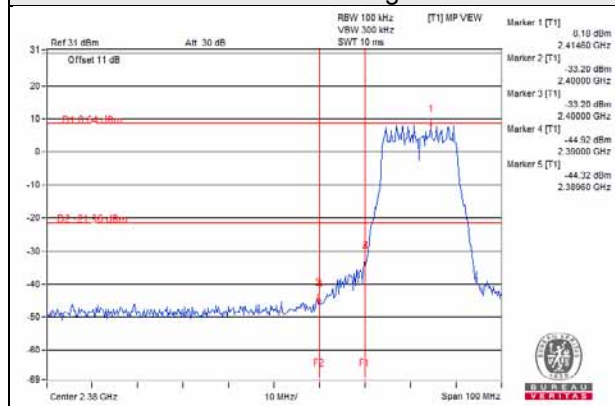
### CH 6



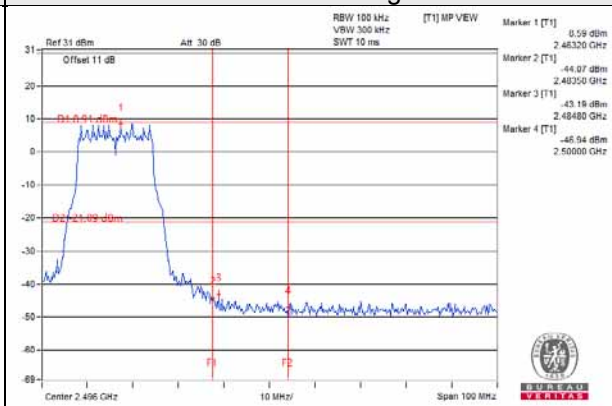
### CH 11



### CH 1 Band edge

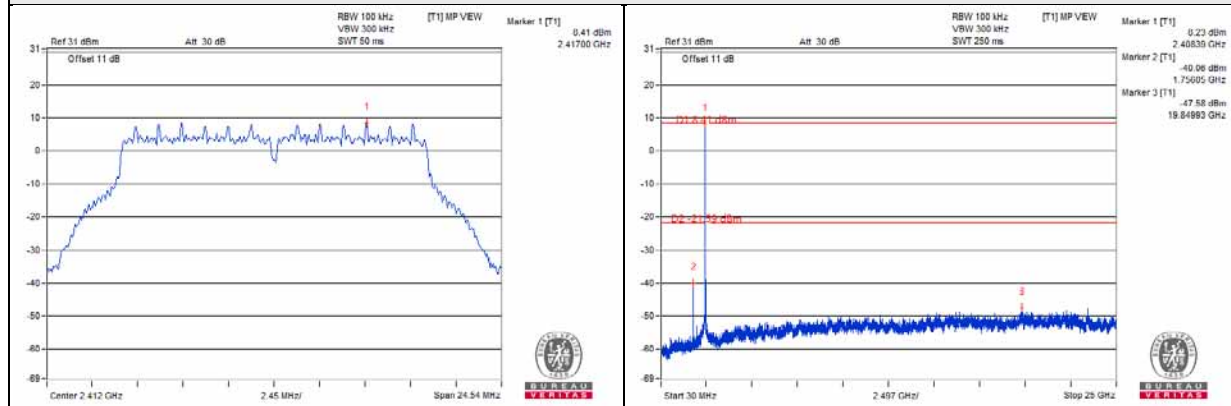


### CH 11 Band edge

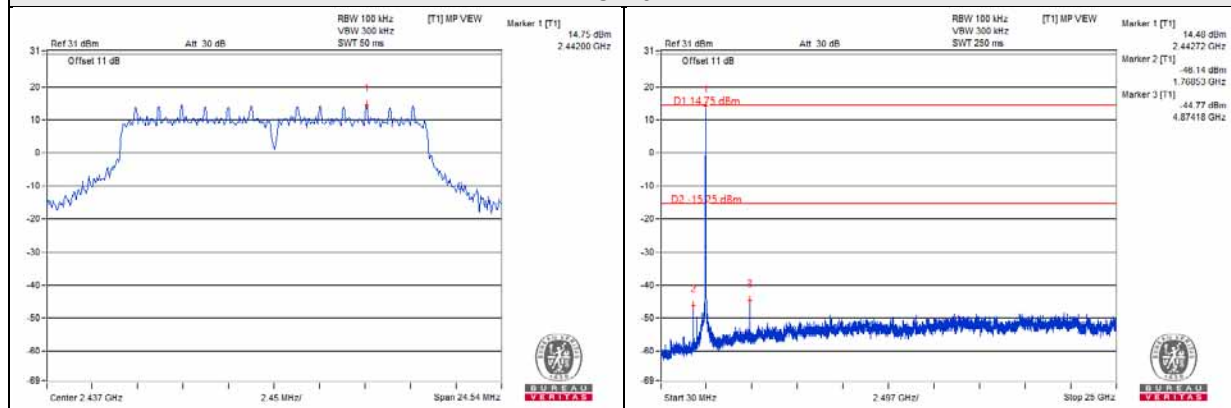


## 802.11g\_Chain 1

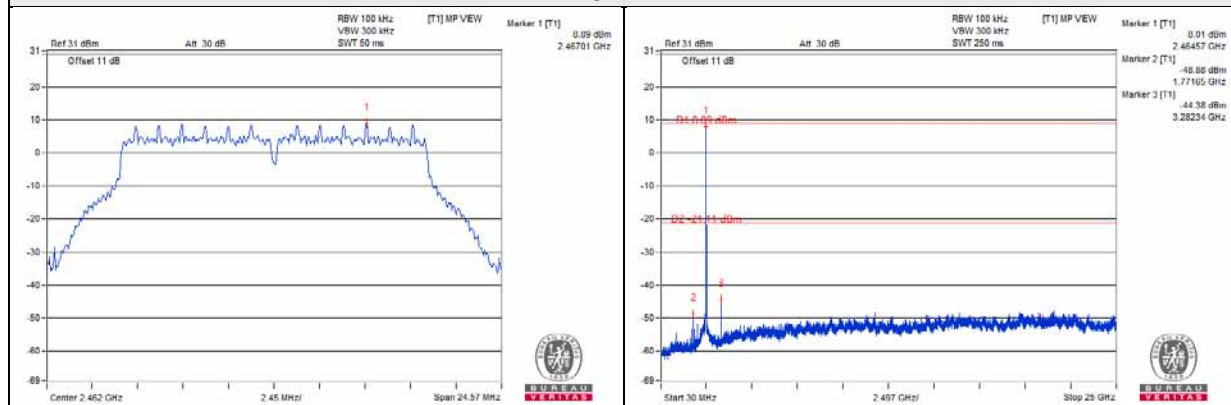
### CH 1



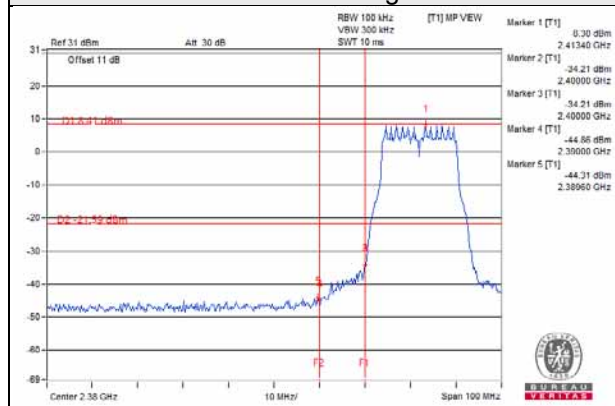
### CH 6



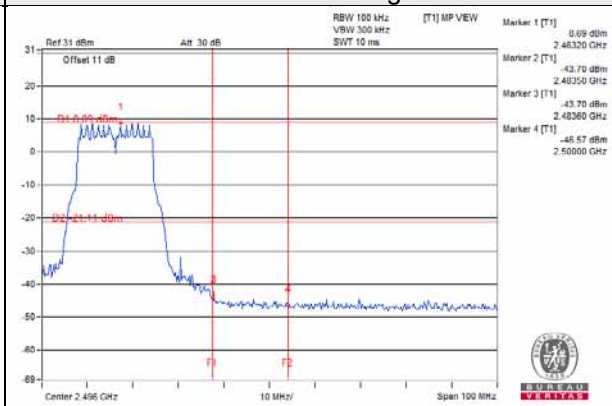
### CH 11



### CH 1 Band edge

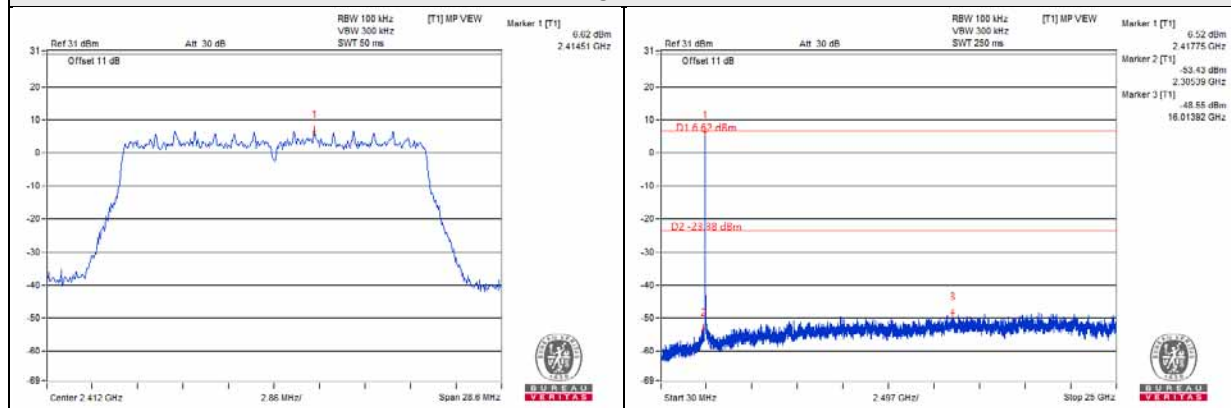


### CH 11 Band edge

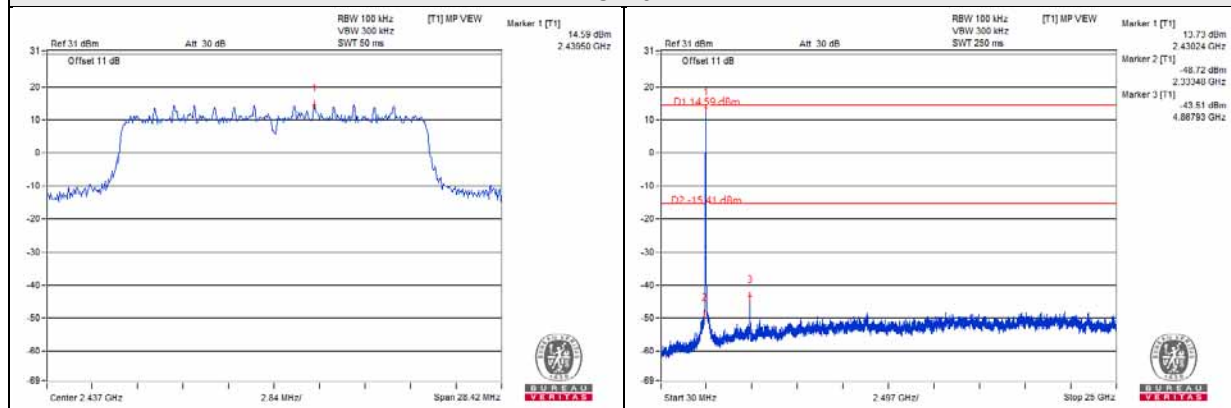


## 802.11ax (HE20)\_Chain 0

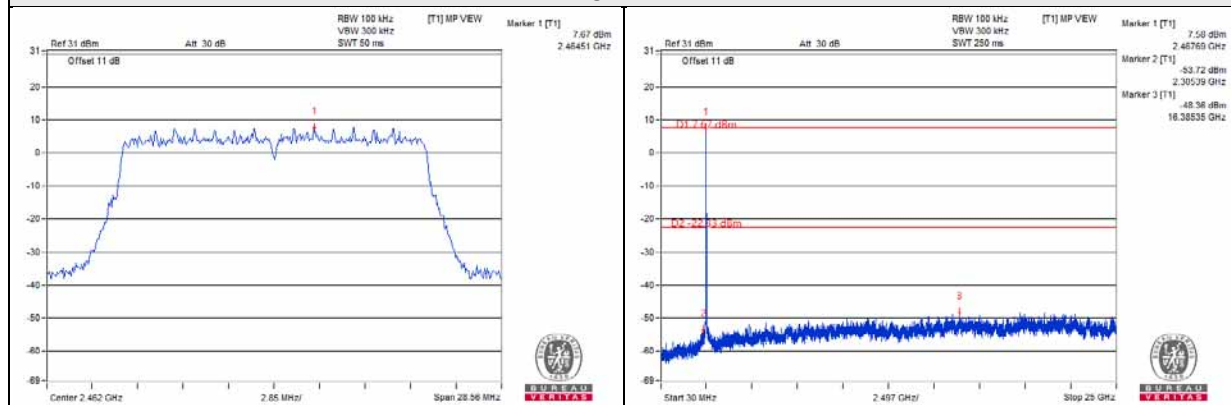
### CH 1



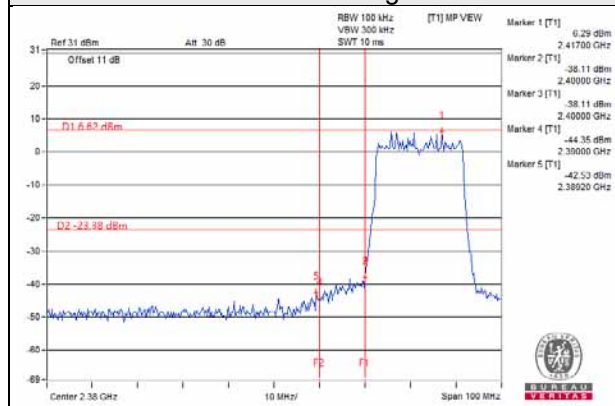
### CH 6



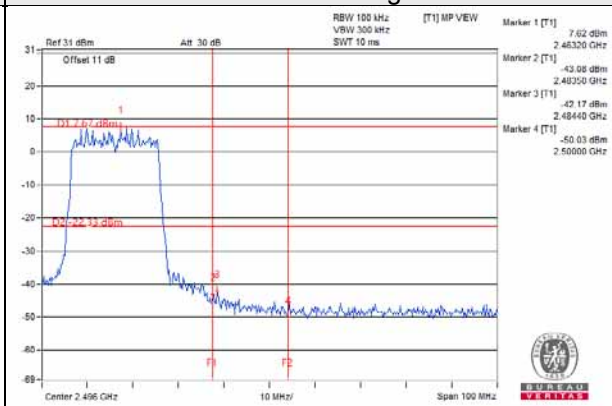
### CH 11



### CH 1 Band edge

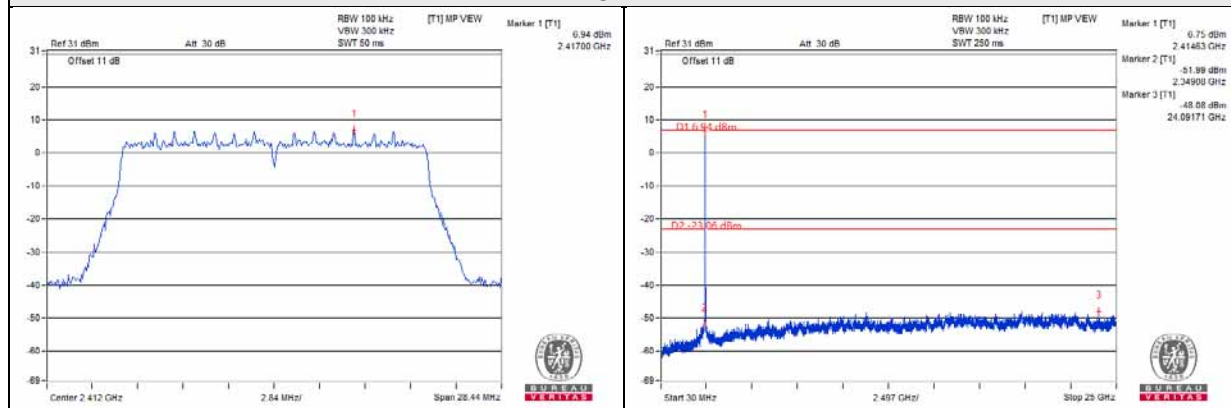


### CH 11 Band edge

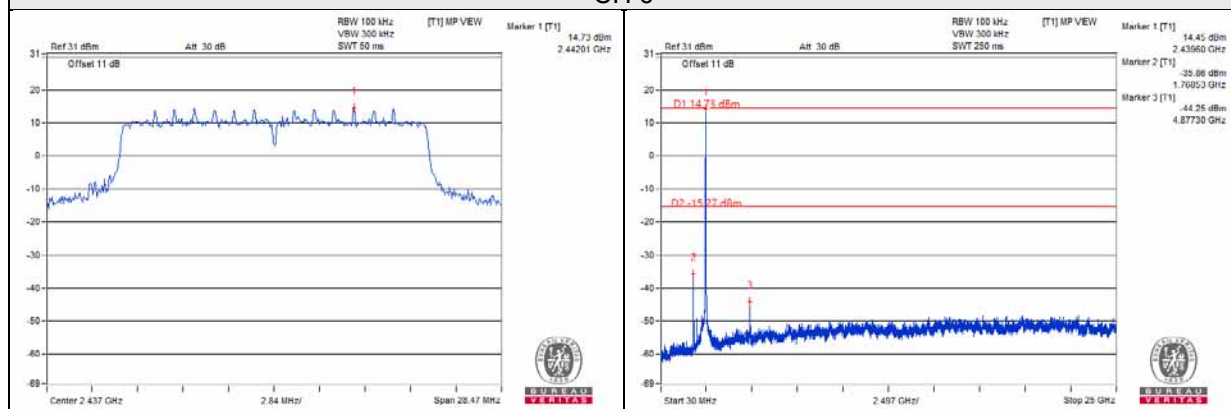


## 802.11ax (HE20)\_Chain 1

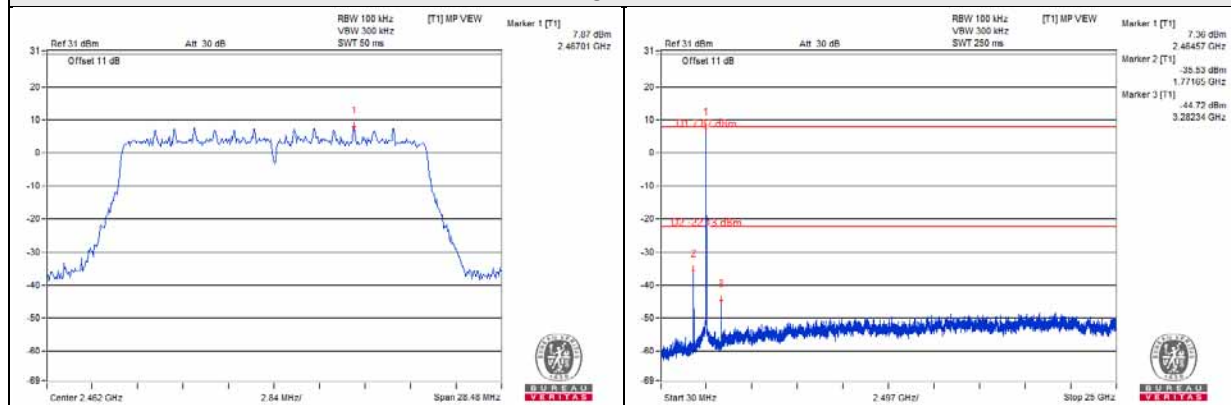
### CH 1



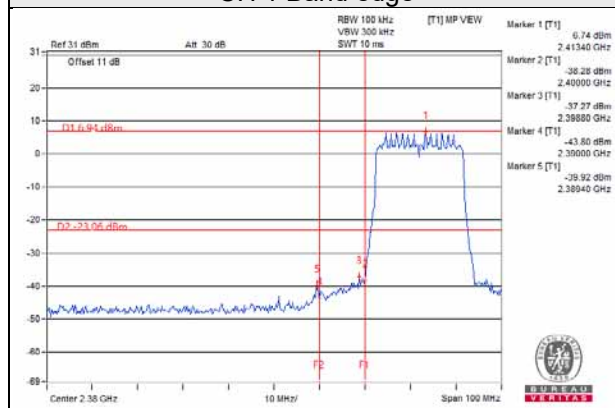
### CH 6



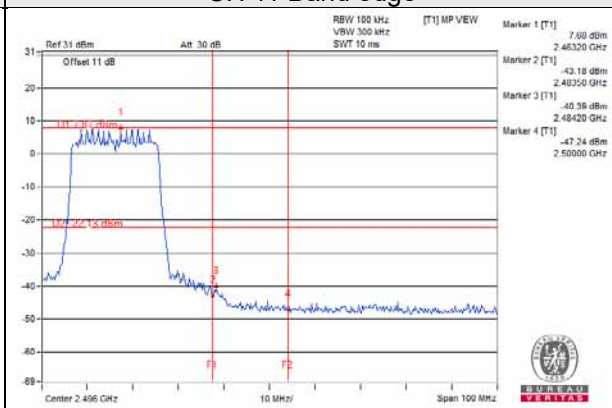
### CH 11



### CH 1 Band edge

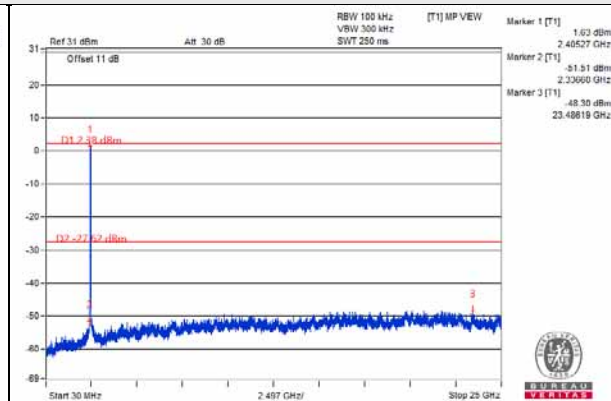
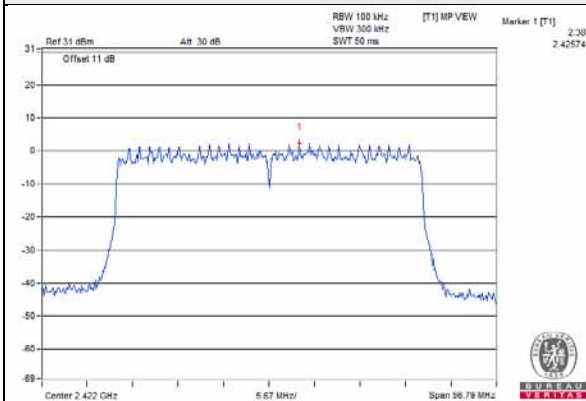


### CH 11 Band edge

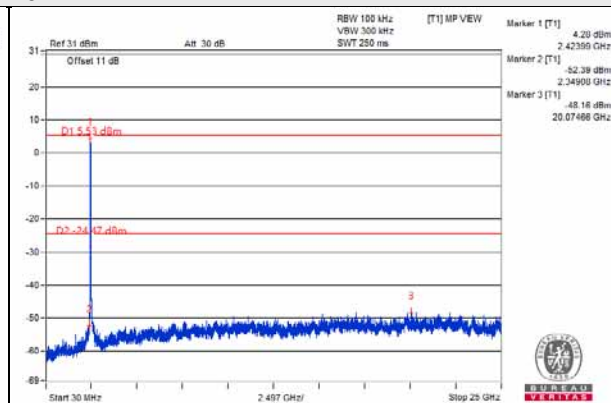
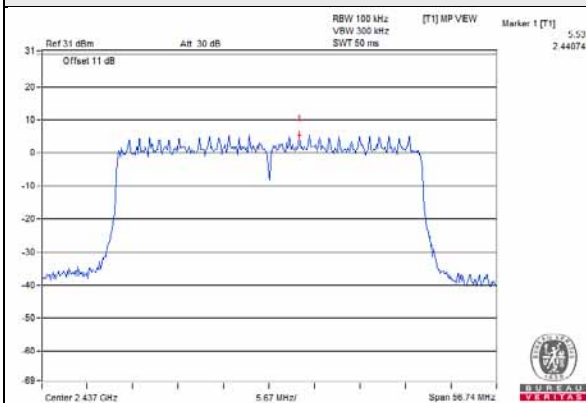


# 802.11ax (HE40)\_Chain 0

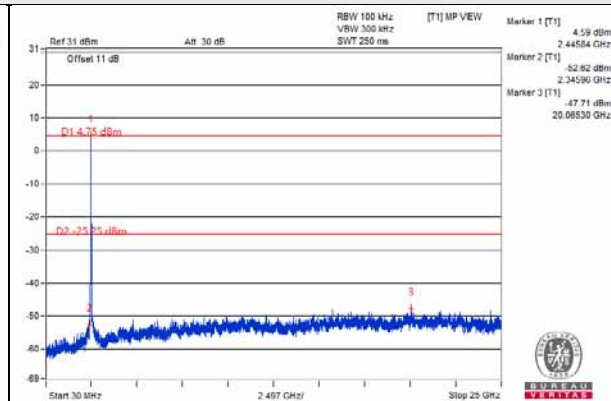
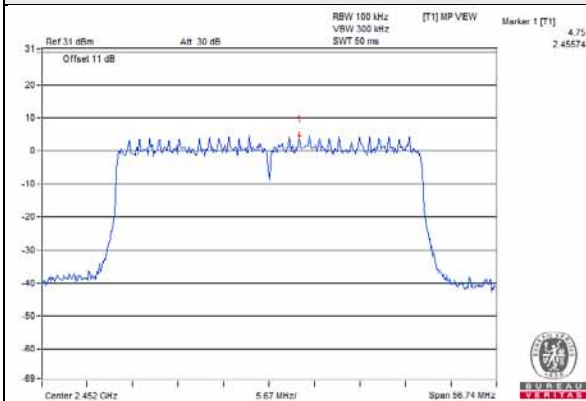
## CH 3



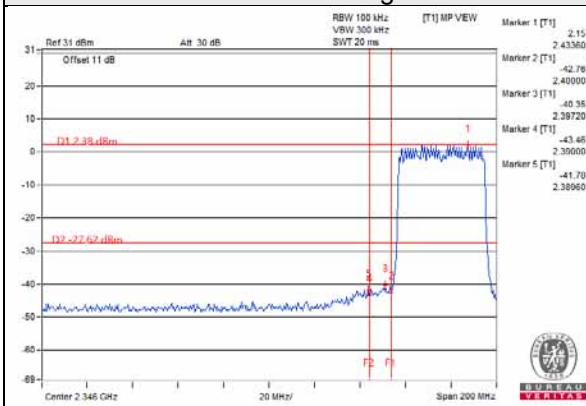
## CH 6



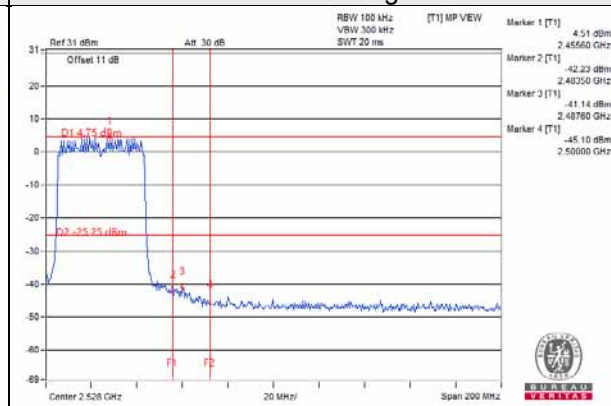
## CH 9



## CH 3 Band edge

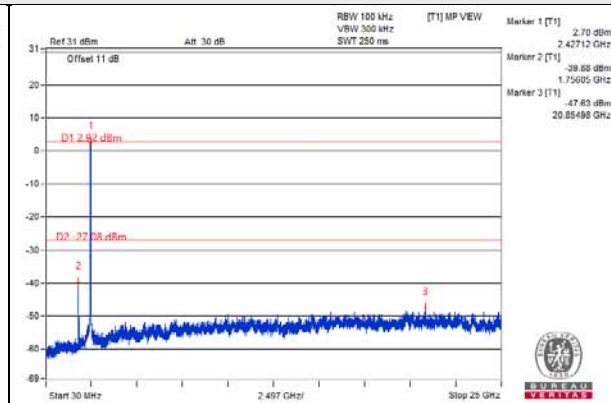
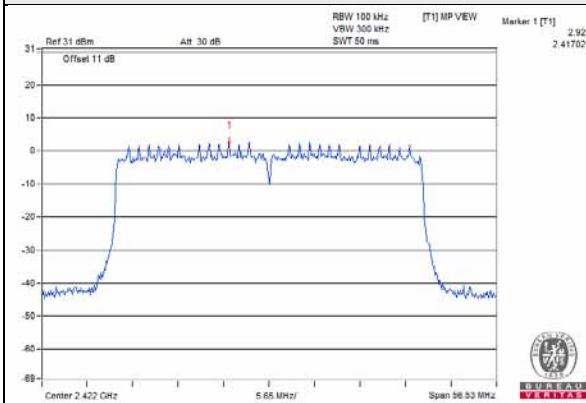


## CH 9 Band edge

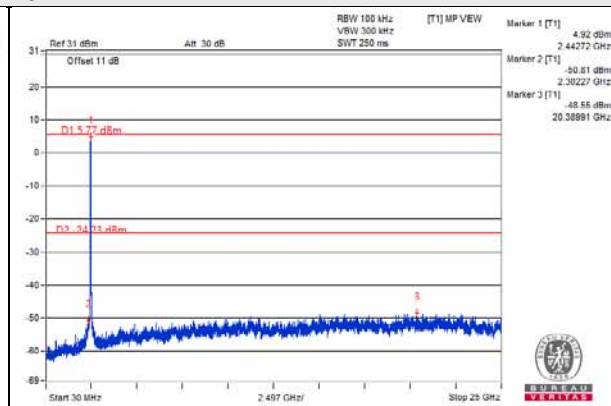
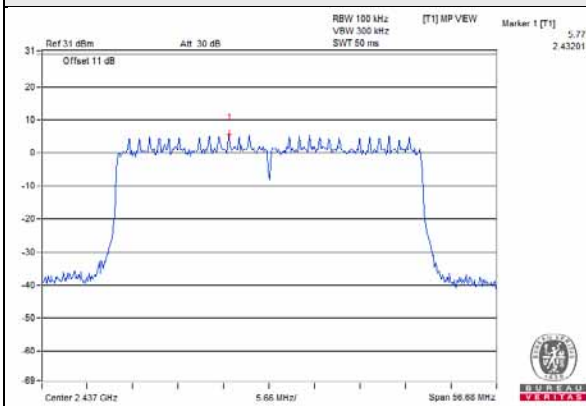


## 802.11ax (HE40)\_Chain 1

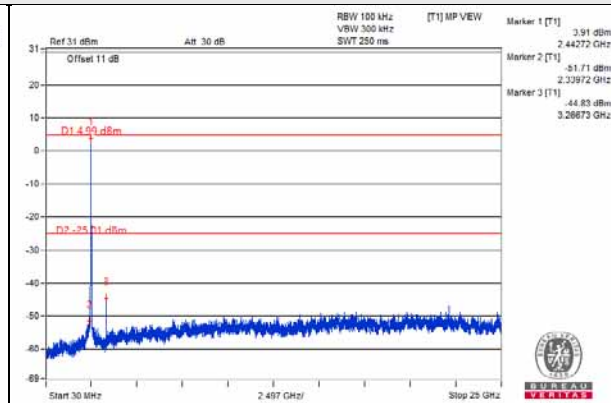
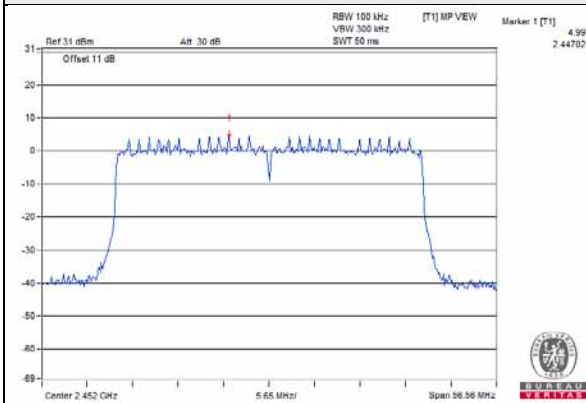
### CH 3



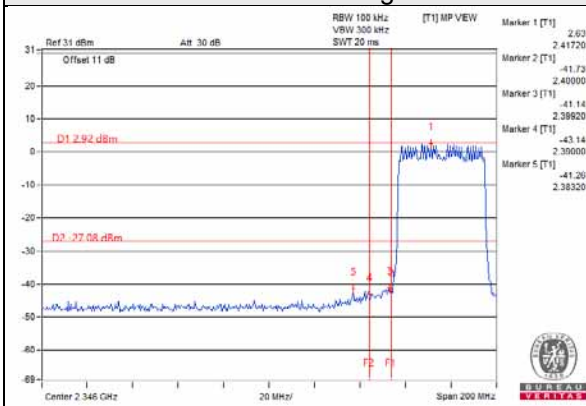
### CH 6



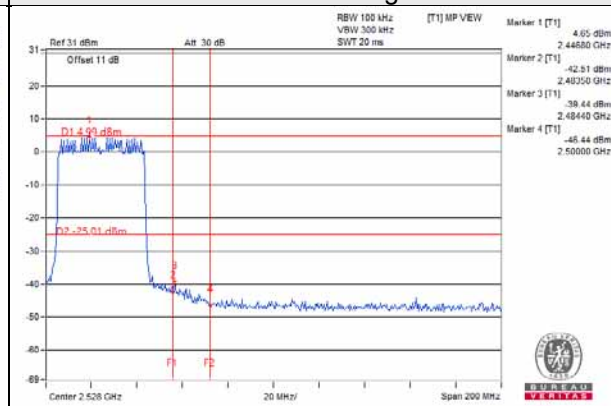
### CH 9



### CH 3 Band edge



### CH 9 Band edge



#### 4.8 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

#### 4.9 配置照片

請參閱附件測試設置照片(BV CPS 報告編號：BBQZ-WTW-P20110410\_RF)。

## 5 電源線傳導干擾之量測

### 5.1 適用標準

請見本報告3.1節第1項的規定。

### 5.2 量測方法

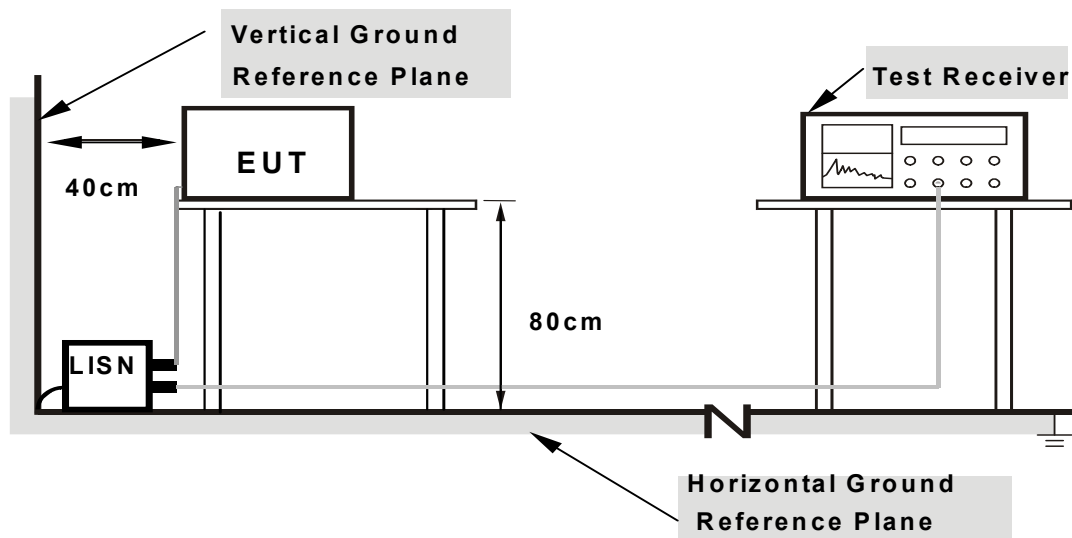
將待測物置於0.8米高的非金屬桌面，使其操作在工作狀態，待測物電源線接至電源線阻抗穩定網路上，從測試接收機記錄頻率由0.15MHz至30MHz之間之電源線傳導放射強度。

### 5.3 量測儀器

| 儀器名稱 (廠牌/製造商)                           | 型號                       | 序號             | 校正日期          | 下次校正日期        |
|-----------------------------------------|--------------------------|----------------|---------------|---------------|
| Test Receiver<br>ROHDE & SCHWARZ        | ESCI                     | 100613         | Dec. 11, 2019 | Dec. 10, 2020 |
| RF signal cable<br>Woken                | 5D-FB                    | Cable-cond1-01 | Sep. 05, 2019 | Sep. 04, 2020 |
| LISN<br>ROHDE & SCHWARZ<br>(EUT)        | ENV216                   | 101826         | Feb. 20, 2020 | Feb. 19, 2021 |
| LISN<br>ROHDE & SCHWARZ<br>(Peripheral) | ESH3-Z5                  | 100311         | Aug. 22, 2019 | Aug. 21, 2020 |
| Software<br>ADT                         | BV ADT_Conc_<br>V7.3.7.4 | NA             | NA            | NA            |

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.  
 2. The test was performed in HwaYa Shielded Room 1 (Conduction 1).  
 3. The VCCI Site Registration No. is C-12040.  
 4. The measurement uncertainty is 2.79 dB, which is calculated as per the document CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

#### 5.4 測試配置



**Note: 1.** Support units were connected to second LISN.

**2.** Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

#### 5.5 干擾值之計算

餘裕度Margin(dB)= 結果值Emission level (dBuV)-限制值Limit value (dBuV)

電源傳導干擾電壓之計算公式如下

結果值Emission level (dBuV)=校正因子Correction Factor (dB)+儀器讀值Reading value (dBuV)

其中校正因子Correction Factor (dB)為：

饋線損失+電源阻抗模擬網路損失

## 5.6 量測結果

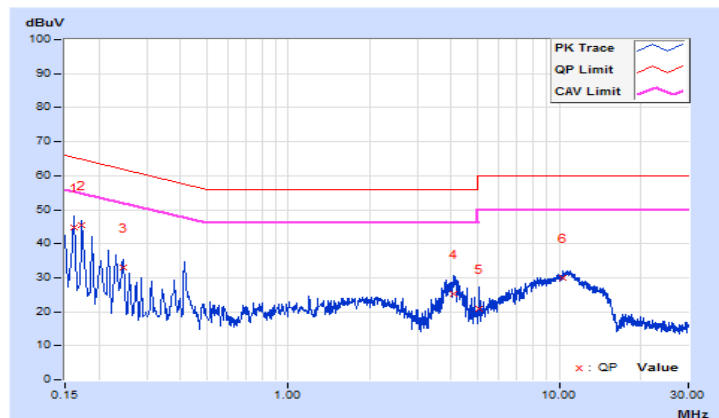
802.11g

|       |                 |        |                 |
|-------|-----------------|--------|-----------------|
| 操作模式  | 發射/接收           | 測試日期   | 109 年 07 月 16 日 |
| 基本波頻率 | CH 6 : 2437 MHz | 量測場地溫度 | 25°C            |
| 調變技術  | OFDM            | 量測場地濕度 | 75%RH           |
| 測試者   | 張家誠             |        |                 |

|          |       | 6 dB Bandwidth: 9kHz |       |           |       | PHASE: LINE (L) |       |        |        |
|----------|-------|----------------------|-------|-----------|-------|-----------------|-------|--------|--------|
| 輻射頻率     | 校正因子  | 儀器讀值                 |       | 結果值       |       | 限制值             |       | 餘裕度    |        |
| [MHz]    | [dB]  | [dB (uV)]            |       | [dB (uV)] |       | [dB (uV)]       |       | [dB]   |        |
|          |       | Q.P.                 | AV.   | Q.P.      | AV.   | Q.P.            | AV.   | Q.P.   | AV.    |
| 0.16173  | 9.80  | 34.87                | 20.93 | 44.67     | 30.73 | 65.37           | 55.37 | -20.70 | -24.64 |
| 0.17346  | 9.80  | 35.53                | 19.56 | 45.33     | 29.36 | 64.79           | 54.79 | -19.46 | -25.43 |
| 0.24731  | 9.82  | 23.30                | 9.37  | 33.12     | 19.19 | 61.85           | 51.85 | -28.73 | -32.66 |
| 4.07173  | 10.05 | 21.11                | 9.74  | 31.16     | 19.79 | 56.00           | 46.00 | -24.84 | -26.21 |
| 5.06487  | 10.07 | 10.71                | 2.24  | 20.78     | 12.31 | 60.00           | 50.00 | -39.22 | -37.69 |
| 10.33555 | 10.14 | 19.79                | 12.90 | 29.93     | 23.04 | 60.00           | 50.00 | -30.07 | -26.96 |

Note:

- 1.Q.P. and AV. are abbreviations of quasi-peak and average individually.
- 2.The emission levels of other frequencies were very low against the limit.
- 3.Margin value = Emission level - Limit value
- 4.Corrected factor = Insertion loss + Cable loss
- 5.Emission Level = Correction Factor + Reading Value.

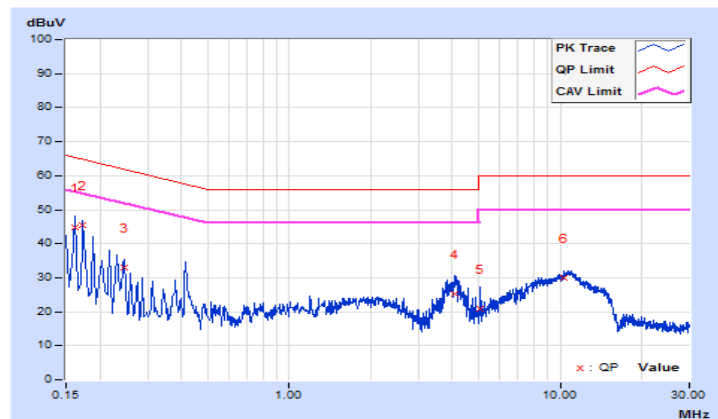


|       |                 |        |                 |
|-------|-----------------|--------|-----------------|
| 操作模式  | 發射/接收           | 測試日期   | 109 年 07 月 16 日 |
| 基本波頻率 | CH 6 : 2437 MHz | 量測場地溫度 | 25°C            |
| 調變技術  | OFDM            | 量測場地濕度 | 75%RH           |
| 測試者   | 張家誠             |        |                 |

|          |       | 6 dB Bandwidth: 9kHz |       |           |       | PHASE: NEUTRAL (N) |       |        |        |
|----------|-------|----------------------|-------|-----------|-------|--------------------|-------|--------|--------|
| 輻射頻率     | 校正因子  | 儀器讀值                 |       | 結果值       |       | 限制值                |       | 餘裕度    |        |
| [MHz]    | [dB]  | [dB (uV)]            |       | [dB (uV)] |       | [dB (uV)]          |       | [dB]   |        |
|          |       | Q.P.                 | AV.   | Q.P.      | AV.   | Q.P.               | AV.   | Q.P.   | AV.    |
| 0.16173  | 9.82  | 36.35                | 21.47 | 46.17     | 31.29 | 65.37              | 55.37 | -19.20 | -24.08 |
| 0.17737  | 9.81  | 30.60                | 16.92 | 40.41     | 26.73 | 64.61              | 54.61 | -24.20 | -27.88 |
| 0.20474  | 9.81  | 27.26                | 14.47 | 37.07     | 24.28 | 63.42              | 53.42 | -26.35 | -29.14 |
| 0.41979  | 9.89  | 23.85                | 18.73 | 33.74     | 28.62 | 57.45              | 47.45 | -23.71 | -18.83 |
| 4.24377  | 10.09 | 15.64                | 5.16  | 25.73     | 15.25 | 56.00              | 46.00 | -30.27 | -30.75 |
| 10.85558 | 10.22 | 17.29                | 10.72 | 27.51     | 20.94 | 60.00              | 50.00 | -32.49 | -29.06 |

Note:

- 1.Q.P. and AV. are abbreviations of quasi-peak and average individually.
- 2.The emission levels of other frequencies were very low against the limit.
- 3.Margin value = Emission level - Limit value
- 4.Correction factor = Insertion loss + Cable loss
- 5.Emission Level = Correction Factor + Reading Value.



## 5.7 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

## 5.8 配置照片

請參閱附件測試設置照片(BV CPS 報告編號：BBQZ-WTW-P20110410\_RF)。

## 6 發射(6 dB)頻寬之要求

### 6.1 適用標準

請見本報告3.1節第5項(I)的規定。

### 6.2 量測方法

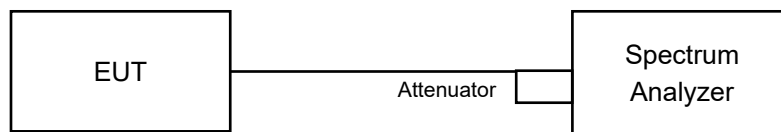
- 將待測物輸出經由衰減器接到頻譜分析儀上。
- 設定待測物處於連續發射狀態。
- 計算由最大輸出功率峰值減6dB的最大頻率範圍。

### 6.3 量測儀器

| 儀器名稱 (廠牌/製造商)            | 型號    | 序號     | 校正日期          | 下次校正日期        |
|--------------------------|-------|--------|---------------|---------------|
| SPECTRUM ANALYZER<br>R&S | FSP40 | 100040 | Sep. 23, 2019 | Sep. 22, 2020 |

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.  
 2. The measurement uncertainty is 207Hz, which is calculated as per the document ETSI TR 100 028. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

### 6.4 測試配置



## 6.5 量測結果

|        |      |        |                 |
|--------|------|--------|-----------------|
| 操作模式   | 發射   | 測試日期   | 109 年 07 月 25 日 |
| 量測場地溫度 | 25°C | 量測場地濕度 | 60%RH           |
| 測試者    | 林山銘  |        |                 |

### 802.11b

| Channel | Frequency (MHz) | 6dB Bandwidth (MHz) |         | Minimum Limit (MHz) | Pass / Fail |
|---------|-----------------|---------------------|---------|---------------------|-------------|
|         |                 | Chain 0             | Chain 1 |                     |             |
| 1       | 2412            | 7.08                | 7.07    | 0.5                 | Pass        |
| 6       | 2437            | 7.10                | 7.11    | 0.5                 | Pass        |
| 11      | 2462            | 7.08                | 7.09    | 0.5                 | Pass        |

### 802.11g

| Channel | Frequency (MHz) | 6dB Bandwidth (MHz) |         | Minimum Limit (MHz) | Pass / Fail |
|---------|-----------------|---------------------|---------|---------------------|-------------|
|         |                 | Chain 0             | Chain 1 |                     |             |
| 1       | 2412            | 16.34               | 16.36   | 0.5                 | Pass        |
| 6       | 2437            | 16.16               | 16.36   | 0.5                 | Pass        |
| 11      | 2462            | 16.33               | 16.38   | 0.5                 | Pass        |

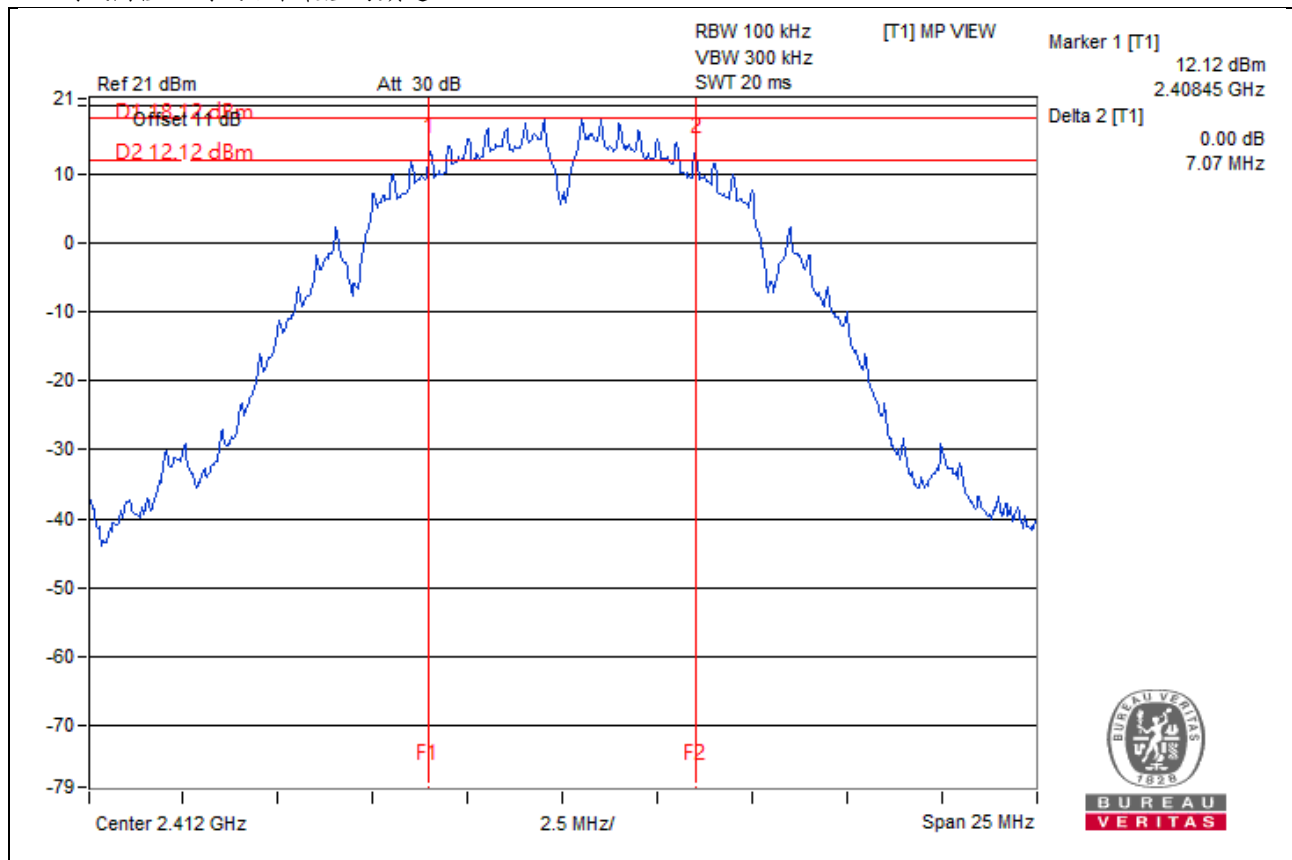
### 802.11ax (HE20)

| Channel | Frequency (MHz) | 6dB Bandwidth (MHz) |         | Minimum Limit (MHz) | Pass / Fail |
|---------|-----------------|---------------------|---------|---------------------|-------------|
|         |                 | Chain 0             | Chain 1 |                     |             |
| 1       | 2412            | 19.07               | 18.96   | 0.5                 | Pass        |
| 6       | 2437            | 18.95               | 18.98   | 0.5                 | Pass        |
| 11      | 2462            | 19.04               | 18.99   | 0.5                 | Pass        |

### 802.11ax (HE40)

| Channel | Frequency (MHz) | 6dB Bandwidth (MHz) |         | Minimum Limit (MHz) | Pass / Fail |
|---------|-----------------|---------------------|---------|---------------------|-------------|
|         |                 | Chain 0             | Chain 1 |                     |             |
| 3       | 2422            | 37.86               | 37.69   | 0.5                 | Pass        |
| 6       | 2437            | 37.83               | 37.79   | 0.5                 | Pass        |
| 9       | 2452            | 37.83               | 37.71   | 0.5                 | Pass        |

\*\*此測試圖僅放測試結果最差的頻道。



## 6.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

## 7 峰值傳導輸出功率之量測

### 7.1 適用標準

請見本報告3.1節第6項(I)及4項(I)的規定。

### 7.2 量測方法

- 將待測物輸出經由衰減器接到Power Meter上(Average Detector with Gating Function)。
- 設定待測物處於連續發射狀態。
- 計算其輸出功率峰值。

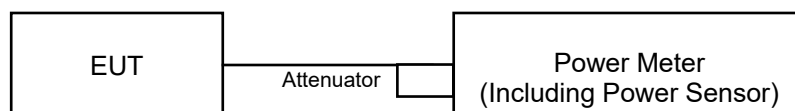
### 7.3 量測儀器

| 儀器名稱 (廠牌/製造商)                                                    | 型號      | 序號                                          | 校正日期          | 下次校正日期        |
|------------------------------------------------------------------|---------|---------------------------------------------|---------------|---------------|
| USB Wideband Power Meter<br>(Including Power Sensor)<br>KEYSIGHT | U2021XA | MY55050005/MY55190004/MY55190007/MY55210005 | Jul. 13, 2020 | Jul. 12, 2021 |

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

- The measurement uncertainty is 1.393dB, which is calculated as per the document ETSI TR 100 028. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
- Measurement Bandwidth of U2021XA is 160MHz greater than 6dB bandwidth of emission.

### 7.4 測試配置



## 7.5 量測結果

|        |      |        |                 |
|--------|------|--------|-----------------|
| 操作模式   | 發射   | 測試日期   | 109 年 07 月 25 日 |
| 量測場地溫度 | 25°C | 量測場地濕度 | 60%RH           |
| 測試者    | 林山銘  |        |                 |

### CDD Mode

#### 802.11b

| Channel | Frequency (MHz) | Average power (dBm) |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|-----------------|---------------------|---------|------------------|-------------------|-------------|-------------|
|         |                 | Chain 0             | Chain 1 |                  |                   |             |             |
| 1       | 2412            | 26.59               | 25.84   | 839.744          | 29.24             | 30          | Pass        |
| 6       | 2437            | 26.61               | 25.86   | 843.620          | 29.26             | 30          | Pass        |
| 11      | 2462            | 25.72               | 24.99   | 688.751          | 28.38             | 30          | Pass        |

#### 802.11g

| Channel | Frequency (MHz) | Average power (dBm) |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|-----------------|---------------------|---------|------------------|-------------------|-------------|-------------|
|         |                 | Chain 0             | Chain 1 |                  |                   |             |             |
| 1       | 2412            | 20.31               | 20.08   | 209.258          | 23.21             | 30          | Pass        |
| 6       | 2437            | 26.59               | 26.00   | 854.144          | 29.32             | 30          | Pass        |
| 11      | 2462            | 20.66               | 20.58   | 230.700          | 23.63             | 30          | Pass        |

#### 802.11n (VHT20)

| Channel | Frequency (MHz) | Average power (dBm) |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|-----------------|---------------------|---------|------------------|-------------------|-------------|-------------|
|         |                 | Chain 0             | Chain 1 |                  |                   |             |             |
| 1       | 2412            | 18.75               | 18.86   | 151.902          | 21.82             | 30          | Pass        |
| 6       | 2437            | 26.24               | 26.21   | 838.557          | 29.24             | 30          | Pass        |
| 11      | 2462            | 19.71               | 19.50   | 182.666          | 22.62             | 30          | Pass        |

#### 802.11n (VHT40)

| Channel | Frequency (MHz) | Average power (dBm) |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|-----------------|---------------------|---------|------------------|-------------------|-------------|-------------|
|         |                 | Chain 0             | Chain 1 |                  |                   |             |             |
| 3       | 2422            | 17.42               | 17.18   | 107.447          | 20.31             | 30          | Pass        |
| 6       | 2437            | 20.48               | 20.15   | 215.201          | 23.33             | 30          | Pass        |
| 9       | 2452            | 19.37               | 19.45   | 174.602          | 22.42             | 30          | Pass        |

### 802.11ax (HE20)

| Channel | Frequency (MHz) | Average power (dBm) |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|-----------------|---------------------|---------|------------------|-------------------|-------------|-------------|
|         |                 | Chain 0             | Chain 1 |                  |                   |             |             |
| 1       | 2412            | 18.80               | 19.04   | 156.026          | 21.93             | 30          | Pass        |
| 6       | 2437            | 26.35               | 26.24   | 852.246          | 29.31             | 30          | Pass        |
| 11      | 2462            | 19.75               | 19.63   | 186.239          | 22.70             | 30          | Pass        |

### 802.11ax (HE40)

| Channel | Frequency (MHz) | Average power (dBm) |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|-----------------|---------------------|---------|------------------|-------------------|-------------|-------------|
|         |                 | Chain 0             | Chain 1 |                  |                   |             |             |
| 3       | 2422            | 17.57               | 17.33   | 111.223          | 20.46             | 30          | Pass        |
| 6       | 2437            | 20.58               | 20.31   | 221.687          | 23.46             | 30          | Pass        |
| 9       | 2452            | 19.54               | 19.50   | 179.075          | 22.53             | 30          | Pass        |

## Beamforming Mode

### 802.11n (VHT20)

| Channel | Frequency (MHz) | Average power (dBm) |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|-----------------|---------------------|---------|------------------|-------------------|-------------|-------------|
|         |                 | Chain 0             | Chain 1 |                  |                   |             |             |
| 1       | 2412            | 18.75               | 18.86   | 151.902          | 21.82             | 30.00       | Pass        |
| 6       | 2437            | 26.24               | 26.21   | 838.557          | 29.24             | 30.00       | Pass        |
| 11      | 2462            | 19.71               | 19.50   | 182.666          | 22.62             | 30.00       | Pass        |

Note: Beamforming Directional gain = 4.15dBi < 6dBi, so the power limit no need to reduce.

### 802.11n (VHT40)

| Channel | Frequency (MHz) | Average power (dBm) |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|-----------------|---------------------|---------|------------------|-------------------|-------------|-------------|
|         |                 | Chain 0             | Chain 1 |                  |                   |             |             |
| 3       | 2422            | 17.42               | 17.18   | 107.447          | 20.31             | 30.00       | Pass        |
| 6       | 2437            | 20.48               | 20.15   | 215.201          | 23.33             | 30.00       | Pass        |
| 9       | 2452            | 19.37               | 19.45   | 174.602          | 22.42             | 30.00       | Pass        |

Note: Beamforming Directional gain = 4.15dBi < 6dBi, so the power limit no need to reduce.

### 802.11ax (HE20)

| Channel | Frequency (MHz) | Average power (dBm) |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|-----------------|---------------------|---------|------------------|-------------------|-------------|-------------|
|         |                 | Chain 0             | Chain 1 |                  |                   |             |             |
| 1       | 2412            | 18.80               | 19.04   | 156.026          | 21.93             | 30.00       | Pass        |
| 6       | 2437            | 26.35               | 26.24   | 852.246          | 29.31             | 30.00       | Pass        |
| 11      | 2462            | 19.75               | 19.63   | 186.239          | 22.70             | 30.00       | Pass        |

Note: Beamforming Directional gain = 4.15dBi < 6dBi, so the power limit no need to reduce.

### 802.11ax (HE40)

| Channel | Frequency (MHz) | Average power (dBm) |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|-----------------|---------------------|---------|------------------|-------------------|-------------|-------------|
|         |                 | Chain 0             | Chain 1 |                  |                   |             |             |
| 3       | 2422            | 17.57               | 17.33   | 111.223          | 20.46             | 30.00       | Pass        |
| 6       | 2437            | 20.58               | 20.31   | 221.687          | 23.46             | 30.00       | Pass        |
| 9       | 2452            | 19.54               | 19.50   | 179.075          | 22.53             | 30.00       | Pass        |

Note: Beamforming Directional gain = 4.15dBi < 6dBi, so the power limit no need to reduce.

## 7.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

## 8 功率頻譜密度之量測

### 8.1 適用標準

請見本報告3.1節第7項(I)的規定。

### 8.2 量測方法

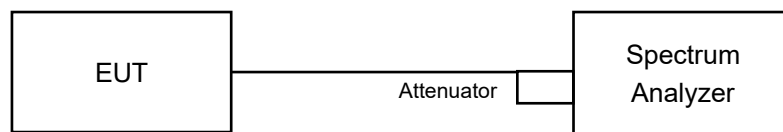
- 將待測物之天線埠連接至測試儀器。
- 設定解析頻寬為 3kHz，視訊頻寬為 10kHz，掃描時間設為自動，直至掃描信號穩定。
- 使用峰值功能鍵，並找到最大的峰值準位。

### 8.3 量測儀器

| 儀器名稱 (廠牌/製造商)            | 型號    | 序號     | 校正日期          | 下次校正日期        |
|--------------------------|-------|--------|---------------|---------------|
| SPECTRUM ANALYZER<br>R&S | FSP40 | 100040 | Sep. 23, 2019 | Sep. 22, 2020 |

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.  
 2. The measurement uncertainty is 207Hz, which is calculated as per the document ETSI TR 100 028. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

### 8.4 測試配置



## 8.5 量測結果

|        |      |        |                 |
|--------|------|--------|-----------------|
| 操作模式   | 發射   | 測試日期   | 109 年 07 月 25 日 |
| 量測場地溫度 | 25°C | 量測場地濕度 | 60%RH           |
| 測試者    | 林山銘  |        |                 |

### 802.11b

| TX chain | Channel | Frequency (MHz) | PSD w/o Duty Factor (dBm/3kHz) | 10 log (N=2) dB | Duty Factor (dB) | Total PSD With Duty Factor (dBm/3kHz) | Limit (dBm/3kHz) | Pass / Fail |
|----------|---------|-----------------|--------------------------------|-----------------|------------------|---------------------------------------|------------------|-------------|
| 0        | 1       | 2412            | -6.87                          | 3.01            | 0.23             | -3.63                                 | 8.00             | Pass        |
|          | 6       | 2437            | -7.04                          | 3.01            | 0.23             | -3.80                                 | 8.00             | Pass        |
|          | 11      | 2462            | -8.60                          | 3.01            | 0.23             | -5.36                                 | 8.00             | Pass        |
| 1        | 1       | 2412            | -8.07                          | 3.01            | 0.23             | -4.83                                 | 8.00             | Pass        |
|          | 6       | 2437            | -8.29                          | 3.01            | 0.23             | -5.05                                 | 8.00             | Pass        |
|          | 11      | 2462            | -9.02                          | 3.01            | 0.23             | -5.78                                 | 8.00             | Pass        |

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density.
2. Directional gain = 4.15dBi < 6dBi, so the power density limit no need to reduced.
3. Refer to section 2.1 for duty cycle spectrum plot.

### 802.11g

| TX chain | Channel | Frequency (MHz) | PSD w/o Duty Factor (dBm/3kHz) | 10 log (N=2) dB | Duty Factor (dB) | Total PSD With Duty Factor (dBm/3kHz) | Limit (dBm/3kHz) | Pass / Fail |
|----------|---------|-----------------|--------------------------------|-----------------|------------------|---------------------------------------|------------------|-------------|
| 0        | 1       | 2412            | -16.47                         | 3.01            | 2.64             | -10.82                                | 8.00             | Pass        |
|          | 6       | 2437            | -11.01                         | 3.01            | 2.64             | -5.36                                 | 8.00             | Pass        |
|          | 11      | 2462            | -15.91                         | 3.01            | 2.64             | -10.26                                | 8.00             | Pass        |
| 1        | 1       | 2412            | -16.90                         | 3.01            | 2.64             | -11.25                                | 8.00             | Pass        |
|          | 6       | 2437            | -10.41                         | 3.01            | 2.64             | -4.76                                 | 8.00             | Pass        |
|          | 11      | 2462            | -16.34                         | 3.01            | 2.64             | -10.69                                | 8.00             | Pass        |

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density.
2. Directional gain = 4.15dBi < 6dBi, so the power density limit no need to reduced.
3. Refer to section 2.1 for duty cycle spectrum plot.

#### 802.11ax (HE20)

| TX chain | Channel | Frequency (MHz) | PSD w/o Duty Factor (dBm/3kHz) | 10 log (N=2) dB | Duty Factor (dB) | Total PSD With Duty Factor (dBm/3kHz) | Limit (dBm/3kHz) | Pass / Fail |
|----------|---------|-----------------|--------------------------------|-----------------|------------------|---------------------------------------|------------------|-------------|
| 0        | 1       | 2412            | -18.86                         | 3.01            | 0.41             | -15.44                                | 8.00             | Pass        |
|          | 6       | 2437            | -10.76                         | 3.01            | 0.41             | -7.34                                 | 8.00             | Pass        |
|          | 11      | 2462            | -17.83                         | 3.01            | 0.41             | -14.41                                | 8.00             | Pass        |
| 1        | 1       | 2412            | -18.96                         | 3.01            | 0.41             | -15.54                                | 8.00             | Pass        |
|          | 6       | 2437            | -11.06                         | 3.01            | 0.41             | -7.64                                 | 8.00             | Pass        |
|          | 11      | 2462            | -17.57                         | 3.01            | 0.41             | -14.15                                | 8.00             | Pass        |

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density.
2. Directional gain = 4.15dBi < 6dBi, so the power density limit no need to reduced.
3. Refer to section 2.1 for duty cycle spectrum plot.

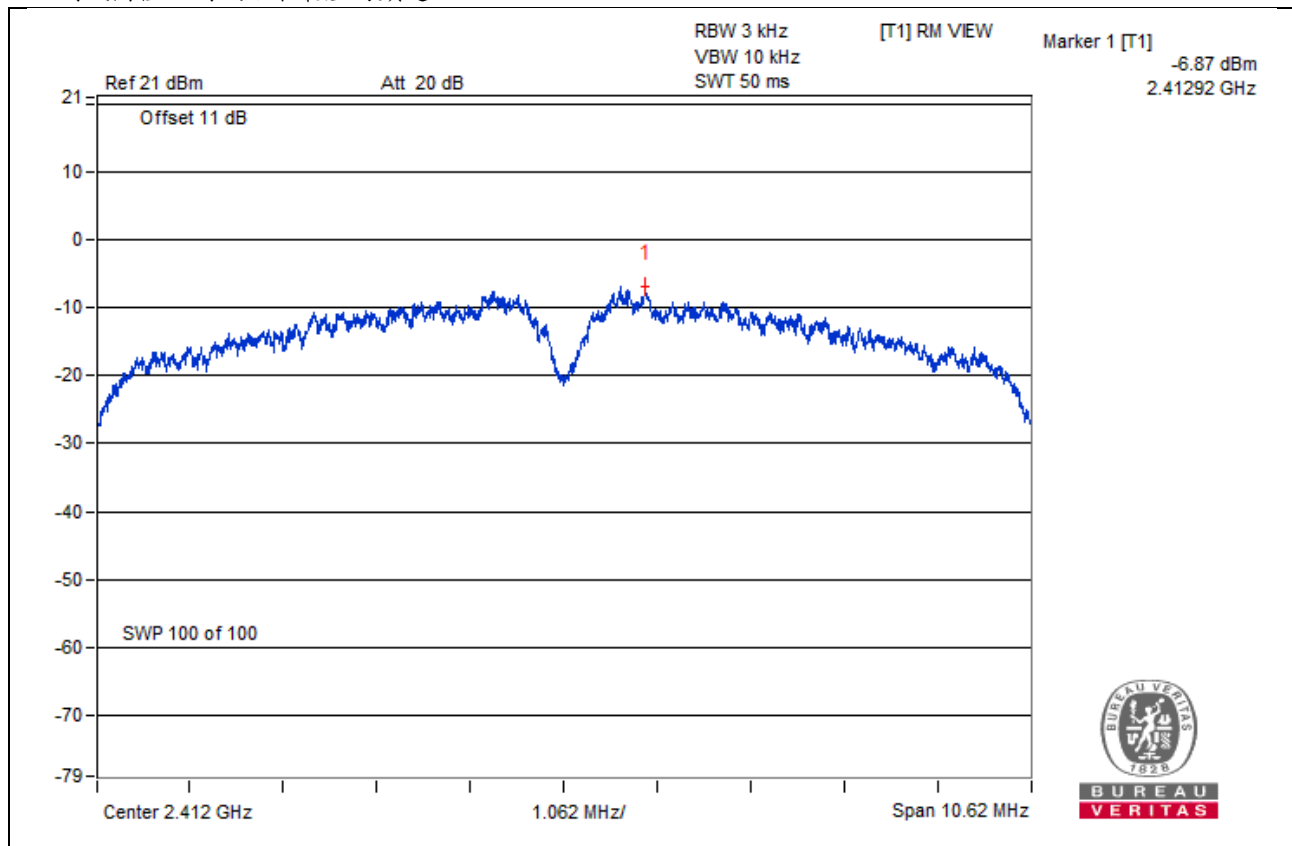
#### 802.11ax (HE40)

| TX chain | Channel | Frequency (MHz) | PSD w/o Duty Factor (dBm/3kHz) | 10 log (N=2) dB | Duty Factor (dB) | Total PSD With Duty Factor (dBm/3kHz) | Limit (dBm/3kHz) | Pass / Fail |
|----------|---------|-----------------|--------------------------------|-----------------|------------------|---------------------------------------|------------------|-------------|
| 0        | 3       | 2422            | -23.83                         | 3.01            | 0.46             | -20.36                                | 8.00             | Pass        |
|          | 6       | 2437            | -20.44                         | 3.01            | 0.46             | -16.97                                | 8.00             | Pass        |
|          | 9       | 2452            | -20.73                         | 3.01            | 0.46             | -17.26                                | 8.00             | Pass        |
| 1        | 3       | 2422            | -22.79                         | 3.01            | 0.46             | -19.32                                | 8.00             | Pass        |
|          | 6       | 2437            | -20.14                         | 3.01            | 0.46             | -16.67                                | 8.00             | Pass        |
|          | 9       | 2452            | -21.09                         | 3.01            | 0.46             | -17.62                                | 8.00             | Pass        |

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density.
2. Directional gain = 4.15dBi < 6dBi, so the power density limit no need to reduced.
3. Refer to section 2.1 for duty cycle spectrum plot.

\*\*此測試圖僅放測試結果最差的頻道。



## 8.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

## U-NII 頻段測試紀錄結果

### 9 帶外發射之量測

#### 9.1 適用標準

| 待測物操作頻帶                                                 | 適用標準                     |
|---------------------------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> 5.15 GHz~5.25 GHz   | 請見本報告 3.1 節第 2 項(II)的規定  |
| <input checked="" type="checkbox"/> 5.25 GHz~5.35 GHz   | 請見本報告 3.1 節第 2 項(II)的規定  |
| <input checked="" type="checkbox"/> 5.470 GHz~5.725 GHz | 請見本報告 3.1 節第 2 項(II)的規定  |
| <input checked="" type="checkbox"/> 5.725 GHz~5.850 GHz | 請見本報告 3.1 節第 2 項(III)的規定 |

#### 9.2 量測方法

在電波暗室，將待測物置於0.8米高的非金屬桌面，使其操作在工作狀態。接收天線置於3米距離。桌面要360度旋轉，另外接收天線從離地1米至4米升降變化，以找出最大的輻射電場強度，接收天線分別置於水平、垂直極化各執行測試一次。

Note: 對於 1GHz 以上場強輻射的測試，待測物則置於1.5米高的非金屬桌面。

#### 9.3 量測儀器

同4.3節。

#### 9.4 測試配置

同4.4節。

## 9.5 場強度之計算

場強之計算公式如下：

結果值Emission level (dBuV/m)=機器讀值 Raw Value (dBuV) +校正因子Correction Factor (dB/m)

餘裕度Margin(dB)= 結果值Emission level (dBuV/m)-限制值Limit value (dBuV/m)

\*有效等向輻射功率限制值轉換場強值如下：

| Applicable To                                                                                    |                | Limit                                                                                                                               |                                                                                                                                         |
|--------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 技術規範 5.7.4.6 節不必要發射頻率屬 3.5 節規定頻段者，應符合 3.6 節之規定                                                   |                | Field Strength at 3m                                                                                                                |                                                                                                                                         |
|                                                                                                  |                | PK:74 (dBuV/m)                                                                                                                      | AV:54 (dBuV/m)                                                                                                                          |
| 操作頻帶                                                                                             | Applicable To  | EIRP Limit                                                                                                                          | Equivalent Field Strength at 3m                                                                                                         |
| 5150~5250 MHz                                                                                    | 技術規範 5.7.4.1 節 | PK:-27 (dBm/MHz)                                                                                                                    | PK:68.2(dBuV/m)                                                                                                                         |
| 5250~5350 MHz                                                                                    | 技術規範 5.7.4.1 節 |                                                                                                                                     |                                                                                                                                         |
| 5470~5725 MHz                                                                                    | 技術規範 5.7.4.1 節 |                                                                                                                                     |                                                                                                                                         |
| 5725~5850 MHz                                                                                    | 技術規範 5.7.4.2 節 | PK:-27 (dBm/MHz) <sup>*1</sup><br>PK:10 (dBm/MHz) <sup>*2</sup><br>PK:15.6 (dBm/MHz) <sup>*3</sup><br>PK:27 (dBm/MHz) <sup>*4</sup> | PK: 68.2(dBuV/m) <sup>*1</sup><br>PK:105.2 (dBuV/m) <sup>*2</sup><br>PK: 110.8(dBuV/m) <sup>*3</sup><br>PK:122.2 (dBuV/m) <sup>*4</sup> |
| <sup>*1</sup> beyond 75 MHz or more above of the band edge.                                      |                | <sup>*2</sup> below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.                                                |                                                                                                                                         |
| <sup>*3</sup> below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above. |                | <sup>*4</sup> from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.                |                                                                                                                                         |

### Note:

有效等向輻射功率限制值轉換場強之公式如下：

$$E=(30PG)^{1/2}/d$$

E: 以最寬解析頻寬所測得之最大場強值，單位:V/m。

G: 發射天線相對於全向性輻射器之數值增益。

d: 測試場強的距離，單位: m。

P: 求得之功率，單位:W。

量測結果請見下頁。

## 9.6 量測結果

### 9.6.1 發射諧波

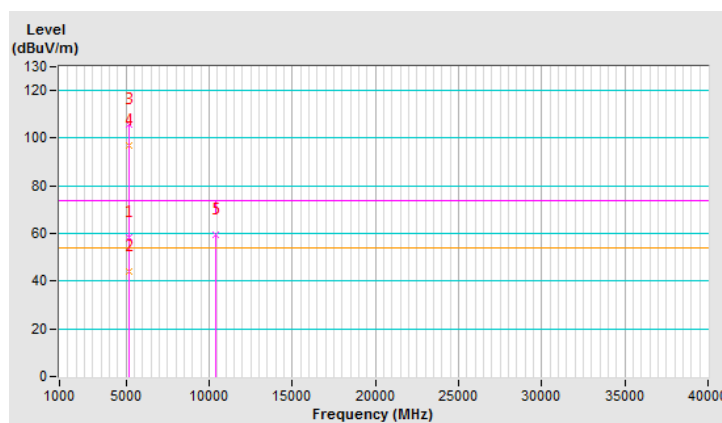
#### 802.11a

|         |                  |         |                                                |
|---------|------------------|---------|------------------------------------------------|
| 操作模式：   | 發射               | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 36 : 5180 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C             | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 14 日  | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 58.3 PK                       | 74.0              | -15.7          | 1.05 H                   | 2                          | 47.8                   | 10.5                           |
| 2                                                   | 5150.00        | 44.3 AV                       | 54.0              | -9.7           | 1.05 H                   | 2                          | 33.8                   | 10.5                           |
| 3                                                   | *5180.00       | 105.6 PK                      |                   |                | 1.05 H                   | 2                          | 66.0                   | 39.6                           |
| 4                                                   | *5180.00       | 96.9 AV                       |                   |                | 1.05 H                   | 2                          | 57.3                   | 39.6                           |
| 5                                                   | #10360.00      | 59.6 PK                       | 68.2              | -8.6           | 2.88 H                   | 155                        | 38.5                   | 21.1                           |
|                                                     | 15540.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 20720.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 25900.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 31080.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 36260.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

#### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

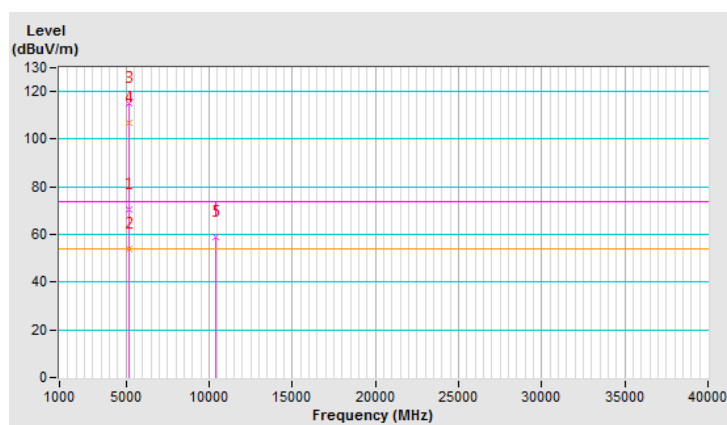


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 36：5180 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 5150.00        | 70.3 PK                       | 74.0              | -3.7           | 1.00 V                   | 322                        | 59.8                   | 10.5                           |
| 2                                                 | 5150.00        | 53.8 AV                       | 54.0              | -0.2           | 1.00 V                   | 322                        | 43.3                   | 10.5                           |
| 3                                                 | *5180.00       | 115.2 PK                      |                   |                | 1.00 V                   | 322                        | 75.6                   | 39.6                           |
| 4                                                 | *5180.00       | 107.1 AV                      |                   |                | 1.00 V                   | 322                        | 67.5                   | 39.6                           |
| 5                                                 | #10360.00      | 58.7 PK                       | 68.2              | -9.5           | 2.15 V                   | 200                        | 37.6                   | 21.1                           |
|                                                   | 15540.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 20720.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 25900.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 31080.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 36260.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

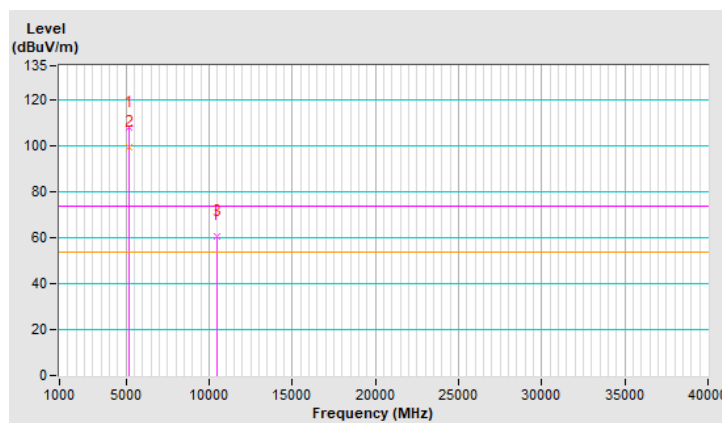


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 44：5220 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5220.00       | 108.3 PK                      |                   |                | 1.00 H                   | 15                         | 68.9                   | 39.4                           |
| 2                                                   | *5220.00       | 99.8 AV                       |                   |                | 1.00 H                   | 15                         | 60.4                   | 39.4                           |
| 3                                                   | #10440.00      | 60.4 PK                       | 74.0              | -13.6          | 2.00 H                   | 105                        | 39.1                   | 21.3                           |
|                                                     | 15600.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 20800.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 26000.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 31200.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 36400.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

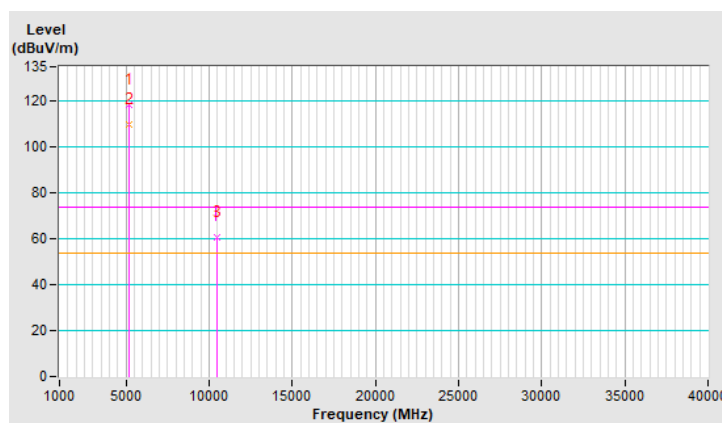


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 44：5220 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | *5220.00       | 118.3 PK                      |                   |                | 1.00 V                   | 337                        | 78.9                   | 39.4                           |
| 2                                                 | *5220.00       | 109.9 AV                      |                   |                | 1.00 V                   | 337                        | 70.5                   | 39.4                           |
| 3                                                 | #10440.00      | 60.6 PK                       | 74.0              | -13.4          | 1.63 V                   | 322                        | 39.3                   | 21.3                           |
|                                                   | 15600.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 20800.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 26000.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 31200.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 36400.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

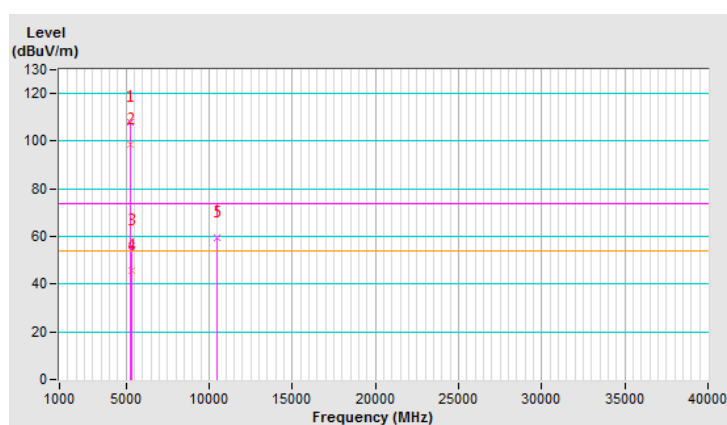


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 48：5240 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5240.00       | 107.7 PK                      |                   |                | 1.00 H                   | 21                         | 68.5                   | 39.2                           |
| 2                                                   | *5240.00       | 98.7 AV                       |                   |                | 1.00 H                   | 21                         | 59.5                   | 39.2                           |
| 3                                                   | 5350.00        | 56.4 PK                       | 74.0              | -17.6          | 1.00 H                   | 21                         | 46.5                   | 9.9                            |
| 4                                                   | 5350.00        | 45.7 AV                       | 54.0              | -8.3           | 1.00 H                   | 21                         | 35.8                   | 9.9                            |
| 5                                                   | #10480.00      | 59.4 PK                       | 68.2              | -8.8           | 2.16 H                   | 211                        | 38.5                   | 20.9                           |
|                                                     | 15720.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 20960.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 26200.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 31440.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 36680.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



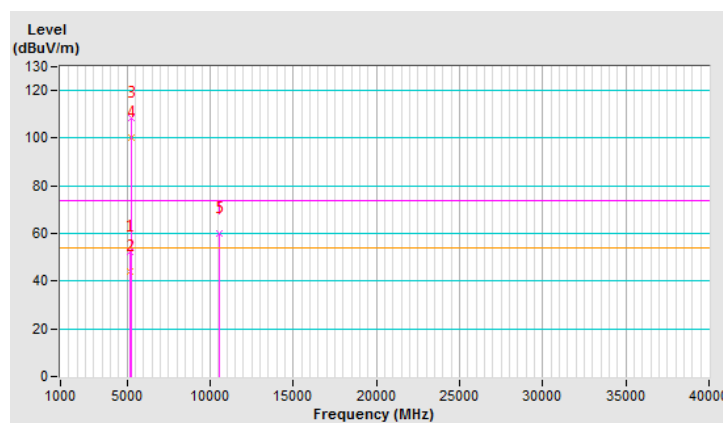


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 52：5260 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 27 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 52.5 PK                       | 74.0              | -21.5          | 2.10 H                   | 59                         | 42.0                   | 10.5                           |
| 2                                                   | 5150.00        | 44.2 AV                       | 54.0              | -9.8           | 2.10 H                   | 59                         | 33.7                   | 10.5                           |
| 3                                                   | *5260.00       | 108.4 PK                      |                   |                | 2.10 H                   | 59                         | 69.2                   | 39.2                           |
| 4                                                   | *5260.00       | 100.0 AV                      |                   |                | 2.10 H                   | 59                         | 60.8                   | 39.2                           |
| 5                                                   | #10520.00      | 60.1 PK                       | 68.2              | -8.1           | 1.31 H                   | 111                        | 39.2                   | 20.9                           |
|                                                     | 15780.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 21040.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 26300.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 31560.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 36820.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

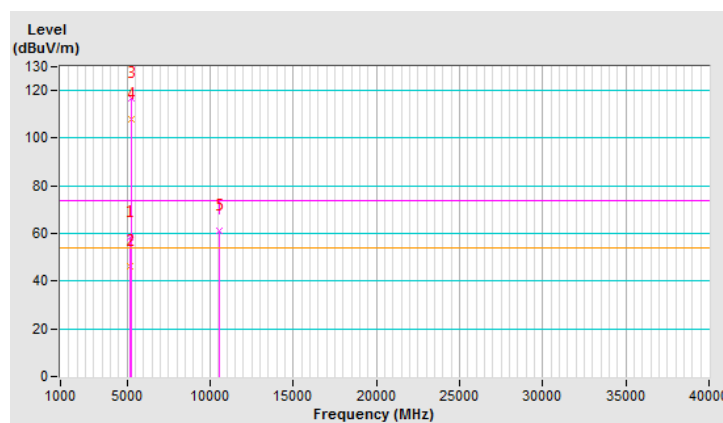


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 52：5260 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 27 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 5150.00        | 58.4 PK                       | 74.0              | -15.6          | 2.44 V                   | 177                        | 47.9                   | 10.5                           |
| 2                                                 | 5150.00        | 46.4 AV                       | 54.0              | -7.6           | 2.44 V                   | 177                        | 35.9                   | 10.5                           |
| 3                                                 | *5260.00       | 116.7 PK                      |                   |                | 2.44 V                   | 177                        | 77.5                   | 39.2                           |
| 4                                                 | *5260.00       | 107.9 AV                      |                   |                | 2.44 V                   | 177                        | 68.7                   | 39.2                           |
| 5                                                 | #10520.00      | 61.1 PK                       | 68.2              | -7.1           | 1.64 V                   | 122                        | 40.2                   | 20.9                           |
|                                                   | 15780.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 21040.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 26300.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 31560.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 36820.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

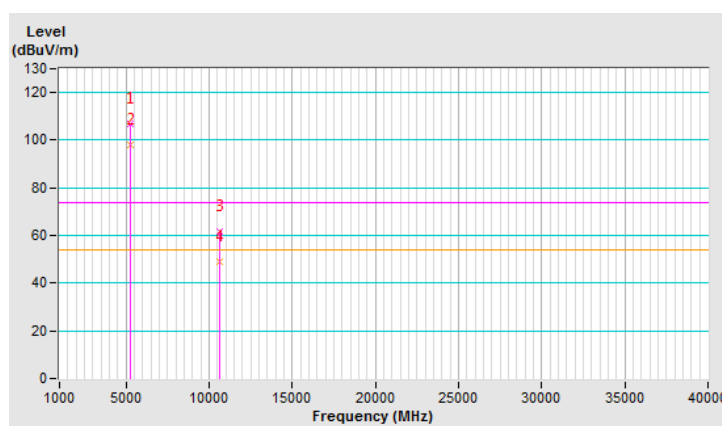


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 60：5300 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 27 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5300.00       | 106.7 PK                      |                   |                | 1.59 H                   | 30                         | 67.4                   | 39.3                           |
| 2                                                   | *5300.00       | 98.0 AV                       |                   |                | 1.59 H                   | 30                         | 58.7                   | 39.3                           |
| 3                                                   | 10600.00       | 61.6 PK                       | 74.0              | -12.4          | 1.06 H                   | 115                        | 39.8                   | 21.8                           |
| 4                                                   | 10600.00       | 49.1 AV                       | 54.0              | -4.9           | 1.06 H                   | 115                        | 27.3                   | 21.8                           |
|                                                     | 15900.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 21200.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 26500.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 31800.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 37100.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

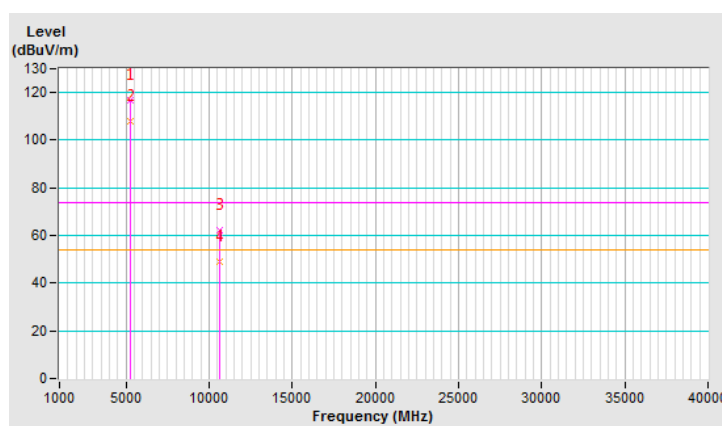


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 60：5300 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 27 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | *5300.00       | 117.0 PK                      |                   |                | 2.44 V                   | 180                        | 77.7                   | 39.3                           |
| 2                                                 | *5300.00       | 108.1 AV                      |                   |                | 2.44 V                   | 180                        | 68.8                   | 39.3                           |
| 3                                                 | 10600.00       | 62.3 PK                       | 74.0              | -11.7          | 1.69 V                   | 105                        | 40.5                   | 21.8                           |
| 4                                                 | 10600.00       | 48.9 AV                       | 54.0              | -5.1           | 1.69 V                   | 105                        | 27.1                   | 21.8                           |
|                                                   | 15900.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 21200.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 26500.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 31800.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 37100.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

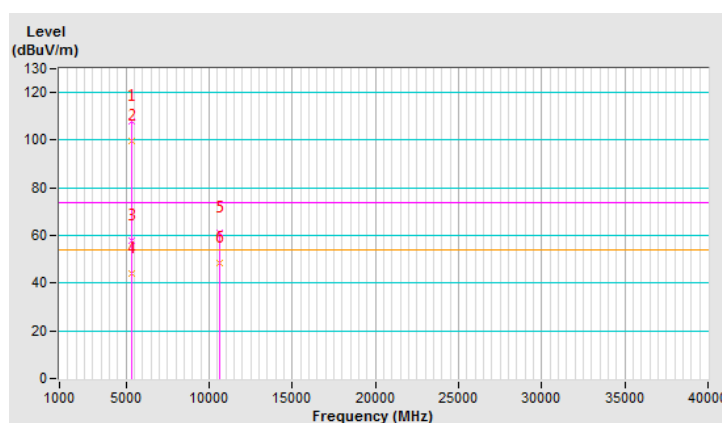


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 64：5320 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 27 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | *5320.00    | 108.0 PK                |                |             | 2.15 H             | 19                   | 68.7             | 39.3                     |
| 2                                                   | *5320.00    | 99.5 AV                 |                |             | 2.15 H             | 19                   | 60.2             | 39.3                     |
| 3                                                   | 5350.00     | 57.8 PK                 | 74.0           | -16.2       | 2.15 H             | 19                   | 47.9             | 9.9                      |
| 4                                                   | 5350.00     | 44.3 AV                 | 54.0           | -9.7        | 2.15 H             | 19                   | 34.4             | 9.9                      |
| 5                                                   | 10640.00    | 61.2 PK                 | 74.0           | -12.8       | 1.01 H             | 147                  | 39.3             | 21.9                     |
| 6                                                   | 10640.00    | 48.4 AV                 | 54.0           | -5.6        | 1.01 H             | 147                  | 26.5             | 21.9                     |
|                                                     | 15960.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 21280.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 26600.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 31920.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 37240.00    | -                       | -              | -           | -                  | -                    | -                | -                        |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



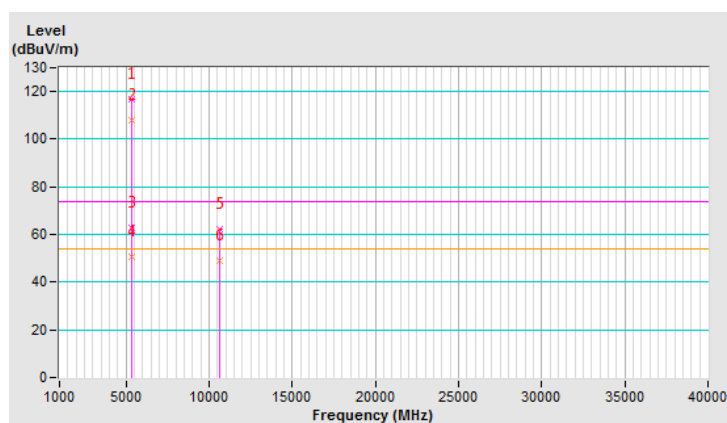
|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 64：5320 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 27 日 | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | *5320.00       | 116.9 PK                      |                   |                | 2.32 V                   | 179                        | 77.6                   | 39.3                           |
| 2   | *5320.00       | 107.8 AV                      |                   |                | 2.32 V                   | 179                        | 68.5                   | 39.3                           |
| 3   | 5350.00        | 63.0 PK                       | 74.0              | -11.0          | 2.32 V                   | 179                        | 53.1                   | 9.9                            |
| 4   | 5350.00        | 50.5 AV                       | 54.0              | -3.5           | 2.32 V                   | 179                        | 40.6                   | 9.9                            |
| 5   | 10640.00       | 62.2 PK                       | 74.0              | -11.8          | 1.07 V                   | 136                        | 40.3                   | 21.9                           |
| 6   | 10640.00       | 49.1 AV                       | 54.0              | -4.9           | 1.07 V                   | 136                        | 27.2                   | 21.9                           |
|     | 15960.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 21280.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 26600.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 31920.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 37240.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

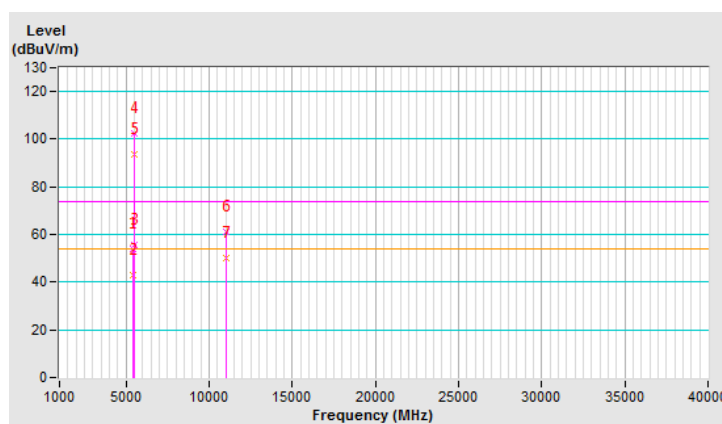


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 100：5500 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5460.00        | 53.8 PK                       | 74.0              | -20.2          | 1.09 H                   | 306                        | 43.5                   | 10.3                           |
| 2                                                   | 5460.00        | 42.9 AV                       | 54.0              | -11.1          | 1.09 H                   | 306                        | 32.6                   | 10.3                           |
| 3                                                   | #5470.00       | 55.9 PK                       | 68.2              | -12.3          | 1.09 H                   | 306                        | 45.6                   | 10.3                           |
| 4                                                   | *5500.00       | 102.6 PK                      |                   |                | 1.09 H                   | 306                        | 62.9                   | 39.7                           |
| 5                                                   | *5500.00       | 93.7 AV                       |                   |                | 1.09 H                   | 306                        | 54.0                   | 39.7                           |
| 6                                                   | 11000.00       | 61.2 PK                       | 74.0              | -12.8          | 1.09 H                   | 306                        | 38.8                   | 22.4                           |
| 7                                                   | 11000.00       | 50.4 AV                       | 54.0              | -3.6           | 1.09 H                   | 306                        | 28.0                   | 22.4                           |
|                                                     | 16500.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 22000.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 27500.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 33000.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 38500.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



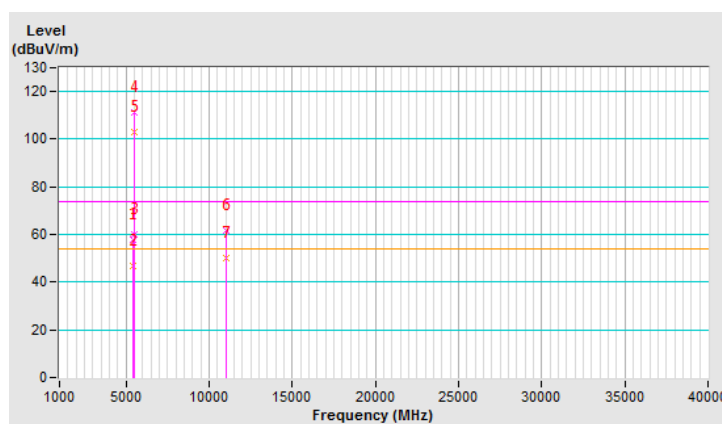
|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 100：5500 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 5460.00        | 57.8 PK                       | 74.0              | -16.2          | 1.00 V                   | 166                        | 47.5                   | 10.3                           |
| 2   | 5460.00        | 47.0 AV                       | 54.0              | -7.0           | 1.00 V                   | 166                        | 36.7                   | 10.3                           |
| 3   | #5470.00       | 60.3 PK                       | 68.2              | -7.9           | 1.00 V                   | 166                        | 50.0                   | 10.3                           |
| 4   | *5500.00       | 111.3 PK                      |                   |                | 1.00 V                   | 166                        | 71.6                   | 39.7                           |
| 5   | *5500.00       | 103.2 AV                      |                   |                | 1.00 V                   | 166                        | 63.5                   | 39.7                           |
| 6   | 11000.00       | 61.7 PK                       | 74.0              | -12.3          | 1.25 V                   | 136                        | 39.3                   | 22.4                           |
| 7   | 11000.00       | 50.4 AV                       | 54.0              | -3.6           | 1.25 V                   | 136                        | 28.0                   | 22.4                           |
|     | 16500.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 22000.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 27500.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 33000.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 38500.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

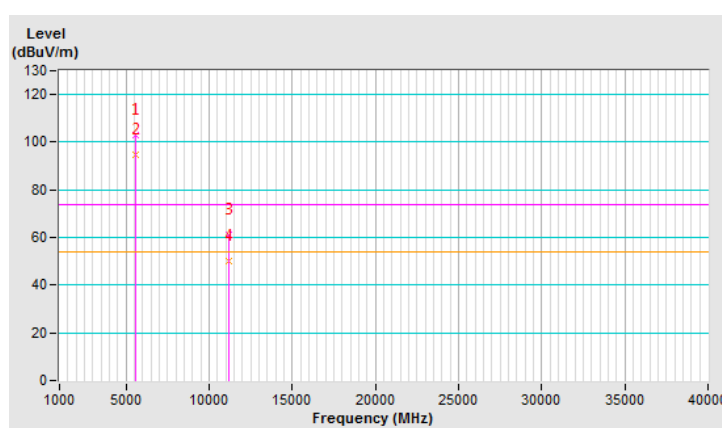


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 116：5580 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5580.00       | 102.8 PK                      |                   |                | 1.09 H                   | 300                        | 63.0                   | 39.8                           |
| 2                                                   | *5580.00       | 94.8 AV                       |                   |                | 1.09 H                   | 300                        | 55.0                   | 39.8                           |
| 3                                                   | 11160.00       | 60.9 PK                       | 74.0              | -13.1          | 1.96 H                   | 323                        | 38.5                   | 22.4                           |
| 4                                                   | 11160.00       | 50.2 AV                       | 54.0              | -3.8           | 1.96 H                   | 323                        | 27.8                   | 22.4                           |
|                                                     | 16740.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 22320.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 27900.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 33480.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 39060.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

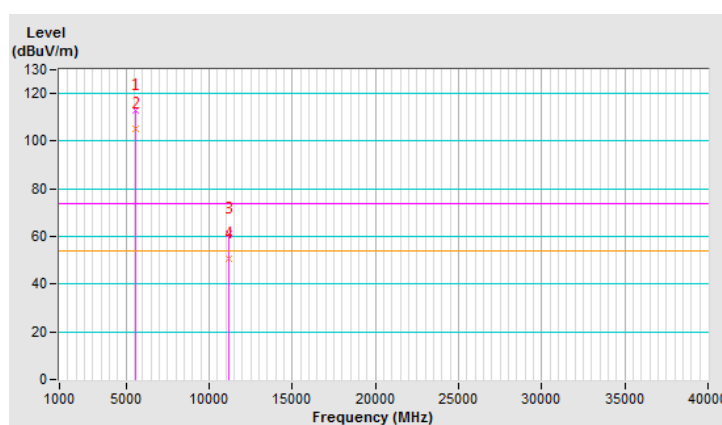


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 116：5580 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | *5580.00       | 113.1 PK                      |                   |                | 1.00 V                   | 167                        | 73.3                   | 39.8                           |
| 2                                                 | *5580.00       | 105.3 AV                      |                   |                | 1.00 V                   | 167                        | 65.5                   | 39.8                           |
| 3                                                 | 11160.00       | 61.3 PK                       | 74.0              | -12.7          | 1.36 V                   | 105                        | 38.9                   | 22.4                           |
| 4                                                 | 11160.00       | 50.6 AV                       | 54.0              | -3.4           | 1.36 V                   | 105                        | 28.2                   | 22.4                           |
|                                                   | 16740.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 22320.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 27900.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 33480.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 39060.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

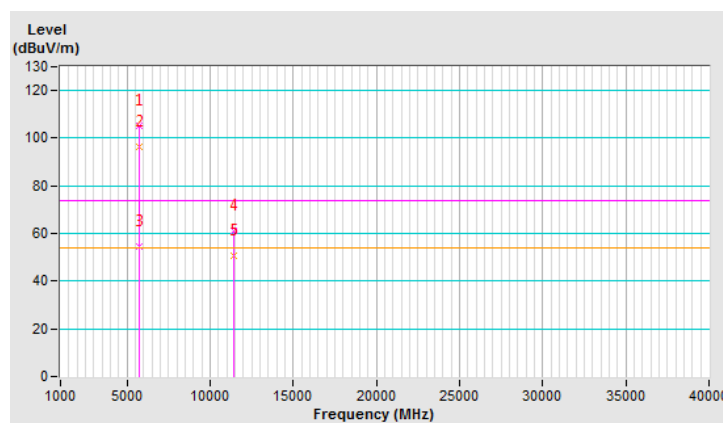


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 140：5700 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5700.00       | 105.2 PK                      |                   |                | 1.36 H                   | 300                        | 65.2                   | 40.0                           |
| 2                                                   | *5700.00       | 96.4 AV                       |                   |                | 1.36 H                   | 300                        | 56.4                   | 40.0                           |
| 3                                                   | #5725.00       | 54.4 PK                       | 68.2              | -13.8          | 1.36 H                   | 300                        | 44.0                   | 10.4                           |
| 4                                                   | 11400.00       | 61.1 PK                       | 74.0              | -12.9          | 1.05 H                   | 139                        | 37.9                   | 23.2                           |
| 5                                                   | 11400.00       | 50.5 AV                       | 54.0              | -3.5           | 1.05 H                   | 139                        | 27.3                   | 23.2                           |
|                                                     | 17100.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 22800.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 28500.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 34200.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 39900.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

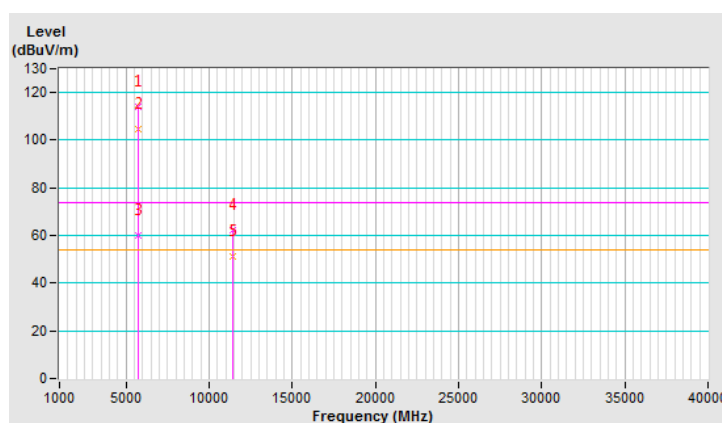


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 140：5700 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | *5700.00       | 114.0 PK                      |                   |                | 1.00 V                   | 148                        | 74.0                   | 40.0                           |
| 2                                                 | *5700.00       | 104.8 AV                      |                   |                | 1.00 V                   | 148                        | 64.8                   | 40.0                           |
| 3                                                 | #5725.00       | 60.1 PK                       | 68.2              | -8.1           | 1.00 V                   | 148                        | 49.7                   | 10.4                           |
| 4                                                 | 11400.00       | 62.1 PK                       | 74.0              | -11.9          | 1.96 V                   | 326                        | 38.9                   | 23.2                           |
| 5                                                 | 11400.00       | 51.5 AV                       | 54.0              | -2.5           | 1.96 V                   | 326                        | 28.3                   | 23.2                           |
|                                                   | 17100.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 22800.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 28500.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 34200.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 39900.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



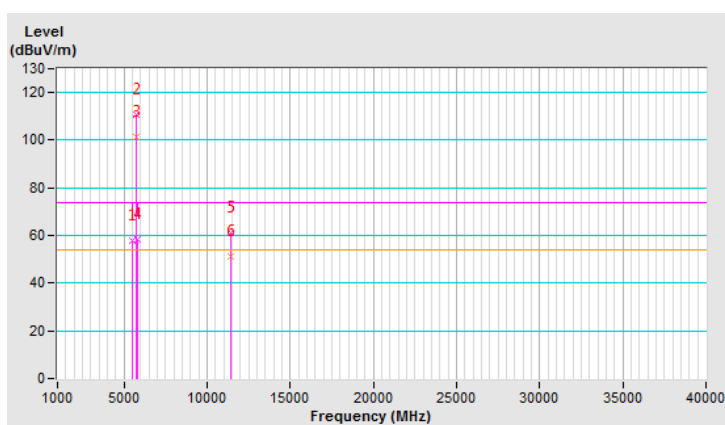
|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 144：5720 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | #5470.00       | 57.8 PK                       | 68.2              | -10.4          | 2.11 H                   | 63                         | 47.5                   | 10.3                           |
| 2   | *5720.00       | 110.5 PK                      |                   |                | 2.11 H                   | 63                         | 70.4                   | 40.1                           |
| 3   | *5720.00       | 101.1 AV                      |                   |                | 2.11 H                   | 63                         | 61.0                   | 40.1                           |
| 4   | #5850.00       | 58.3 PK                       | 68.2              | -9.9           | 2.11 H                   | 63                         | 47.1                   | 11.2                           |
| 5   | 11440.00       | 61.2 PK                       | 74.0              | -12.8          | 2.59 H                   | 140                        | 38.1                   | 23.1                           |
| 6   | 11440.00       | 51.0 AV                       | 54.0              | -3.0           | 2.59 H                   | 140                        | 27.9                   | 23.1                           |
|     | 17160.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 22880.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 28600.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 34320.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

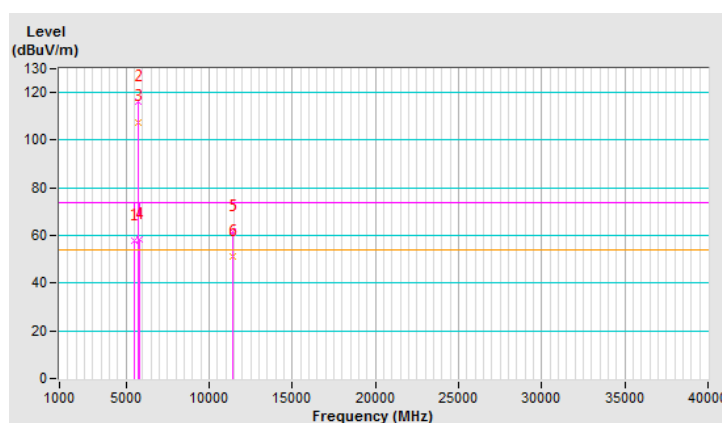


|         |                   |         |                                                |
|---------|-------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 144 : 5720 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C              | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日   | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | #5470.00       | 58.1 PK                       | 68.2              | -10.1          | 1.84 V                   | 3                          | 47.8                   | 10.3                           |
| 2                                                 | *5720.00       | 116.3 PK                      |                   |                | 1.84 V                   | 3                          | 76.2                   | 40.1                           |
| 3                                                 | *5720.00       | 107.7 AV                      |                   |                | 1.84 V                   | 3                          | 67.6                   | 40.1                           |
| 4                                                 | #5850.00       | 58.5 PK                       | 68.2              | -9.7           | 1.84 V                   | 3                          | 47.3                   | 11.2                           |
| 5                                                 | 11440.00       | 61.5 PK                       | 74.0              | -12.5          | 2.41 V                   | 165                        | 38.4                   | 23.1                           |
| 6                                                 | 11440.00       | 51.1 AV                       | 54.0              | -2.9           | 2.41 V                   | 165                        | 28.0                   | 23.1                           |
|                                                   | #17160.00      | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 22880.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | #28600.00      | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | #34320.00      | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

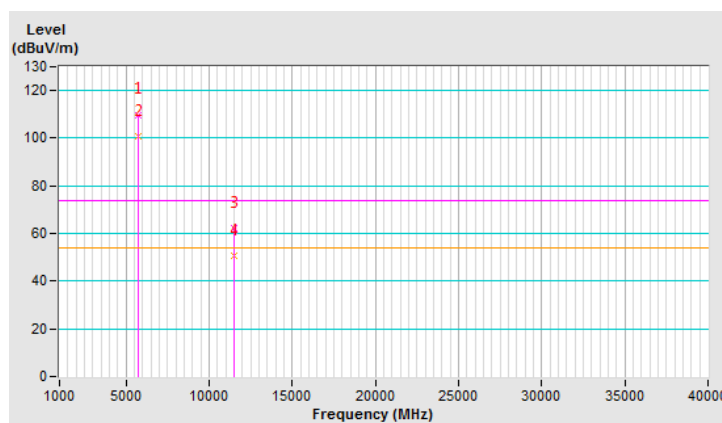


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 149：5745 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5745.00       | 109.9 PK                      |                   |                | 1.00 H                   | 325                        | 69.7                   | 40.2                           |
| 2                                                   | *5745.00       | 100.7 AV                      |                   |                | 1.00 H                   | 325                        | 60.5                   | 40.2                           |
| 3                                                   | 11490.00       | 62.3 PK                       | 74.0              | -11.7          | 2.10 H                   | 115                        | 39.2                   | 23.1                           |
| 4                                                   | 11490.00       | 50.7 AV                       | 54.0              | -3.3           | 2.10 H                   | 115                        | 27.6                   | 23.1                           |
|                                                     | 17235.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 22980.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 28725.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 34470.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

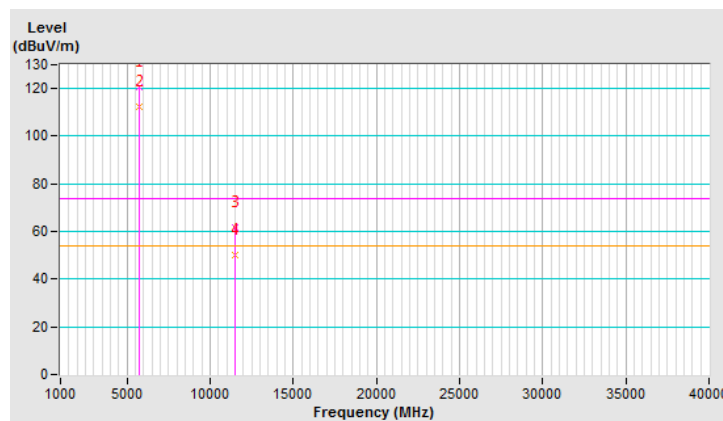


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 149：5745 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | *5745.00       | 120.6 PK                      |                   |                | 1.68 V                   | 12                         | 80.4                   | 40.2                           |
| 2                                                 | *5745.00       | 112.2 AV                      |                   |                | 1.68 V                   | 12                         | 72.0                   | 40.2                           |
| 3                                                 | 11490.00       | 61.5 PK                       | 74.0              | -12.5          | 1.55 V                   | 126                        | 38.4                   | 23.1                           |
| 4                                                 | 11490.00       | 50.3 AV                       | 54.0              | -3.7           | 1.55 V                   | 126                        | 27.2                   | 23.1                           |
|                                                   | 17235.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 22980.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 28725.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 34470.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

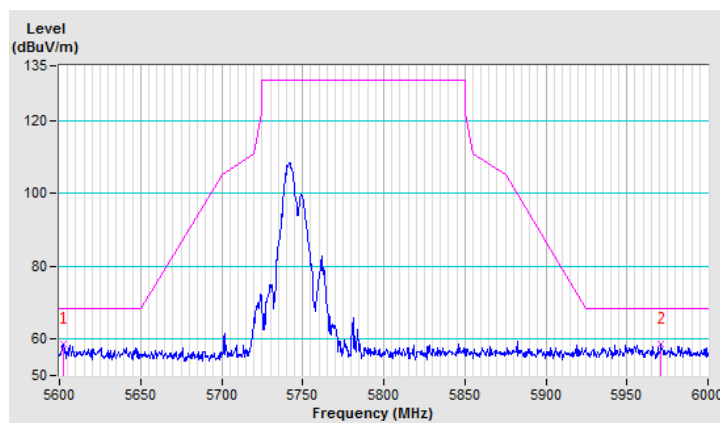


|         |                          |         |                                                |
|---------|--------------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                       | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 149 : 5745 MHz (OOBE) | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C                     | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日          | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5602.40       | 58.6 PK                       | 68.2              | -9.6           | 1.00 H                   | 325                        | 48.2                   | 10.4                           |
| 2                                                   | #5971.20       | 58.5 PK                       | 68.2              | -9.7           | 1.00 H                   | 325                        | 47.6                   | 10.9                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



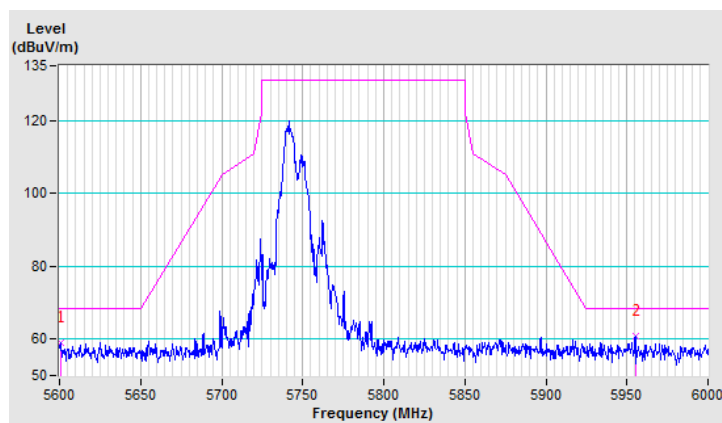
|         |                          |         |                                                |
|---------|--------------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                       | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 149 : 5745 MHz (OOBE) | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C                     | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日          | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | #5601.20       | 59.1 PK                       | 68.2              | -9.1           | 1.68 V                   | 12                         | 48.7                   | 10.4                           |
| 2   | #5955.20       | 60.9 PK                       | 68.2              | -7.3           | 1.68 V                   | 12                         | 49.9                   | 11.0                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

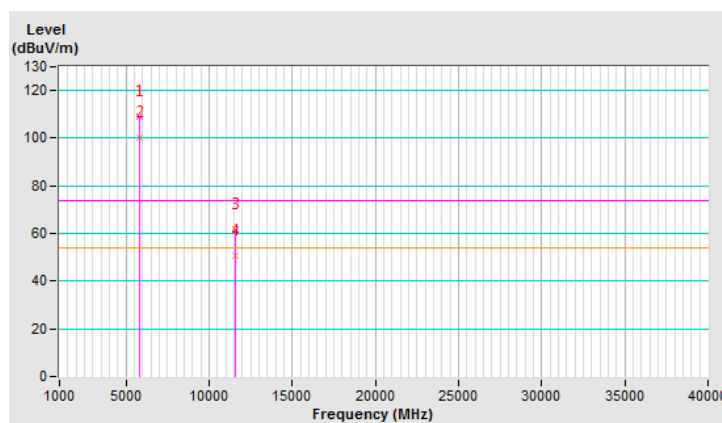


|         |                   |         |                                                |
|---------|-------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 157 : 5785 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C              | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日   | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5785.00       | 109.2 PK                      |                   |                | 1.00 H                   | 326                        | 68.8                   | 40.4                           |
| 2                                                   | *5785.00       | 100.4 AV                      |                   |                | 1.00 H                   | 326                        | 60.0                   | 40.4                           |
| 3                                                   | 11570.00       | 61.7 PK                       | 74.0              | -12.3          | 1.66 H                   | 105                        | 38.8                   | 22.9                           |
| 4                                                   | 11570.00       | 50.8 AV                       | 54.0              | -3.2           | 1.66 H                   | 105                        | 27.9                   | 22.9                           |
|                                                     | 17355.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 23140.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 28925.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 34710.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

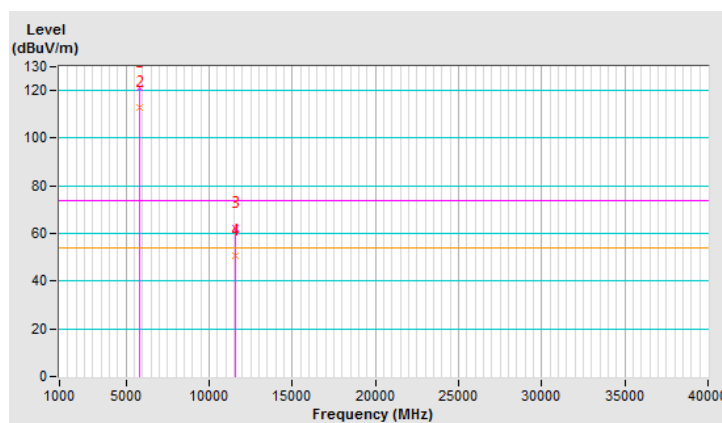


|         |                   |         |                                                |
|---------|-------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 157 : 5785 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C              | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日   | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | *5785.00       | 121.3 PK                      |                   |                | 1.68 V                   | 11                         | 80.9                   | 40.4                           |
| 2                                                 | *5785.00       | 112.9 AV                      |                   |                | 1.68 V                   | 11                         | 72.5                   | 40.4                           |
| 3                                                 | 11570.00       | 62.1 PK                       | 74.0              | -11.9          | 1.33 V                   | 106                        | 39.2                   | 22.9                           |
| 4                                                 | 11570.00       | 50.8 AV                       | 54.0              | -3.2           | 1.33 V                   | 106                        | 27.9                   | 22.9                           |
|                                                   | 17355.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 23140.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 28925.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 34710.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

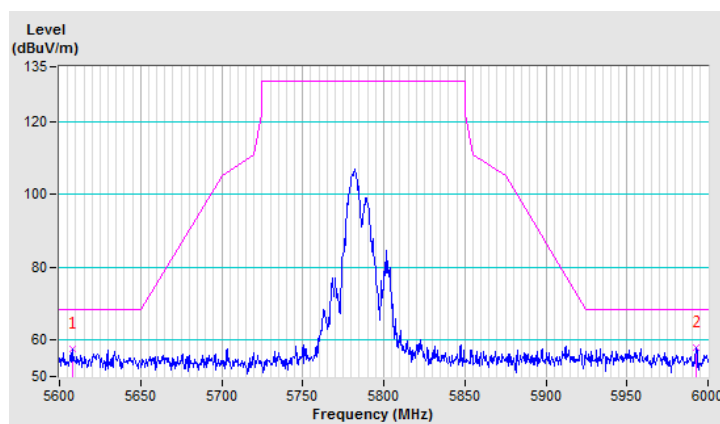


|         |                          |         |                                                |
|---------|--------------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                       | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 157 : 5785 MHz (OOBE) | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C                     | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日          | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5608.00       | 57.5 PK                       | 68.2              | -10.7          | 1.00 H                   | 326                        | 47.1                   | 10.4                           |
| 2                                                   | #5992.40       | 58.0 PK                       | 68.2              | -10.2          | 1.00 H                   | 326                        | 47.0                   | 11.0                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



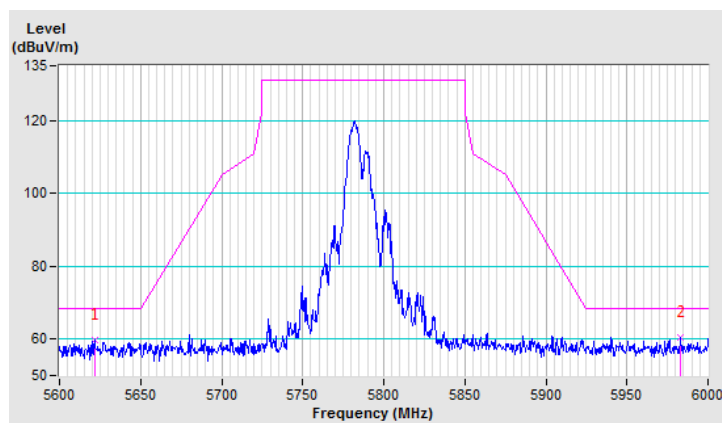
|         |                          |         |                                                |
|---------|--------------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                       | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 157 : 5785 MHz (OOBE) | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C                     | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日          | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | #5621.60       | 59.8 PK                       | 68.2              | -8.4           | 1.68 V                   | 11                         | 49.4                   | 10.4                           |
| 2   | #5983.20       | 60.6 PK                       | 68.2              | -7.6           | 1.68 V                   | 11                         | 49.7                   | 10.9                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

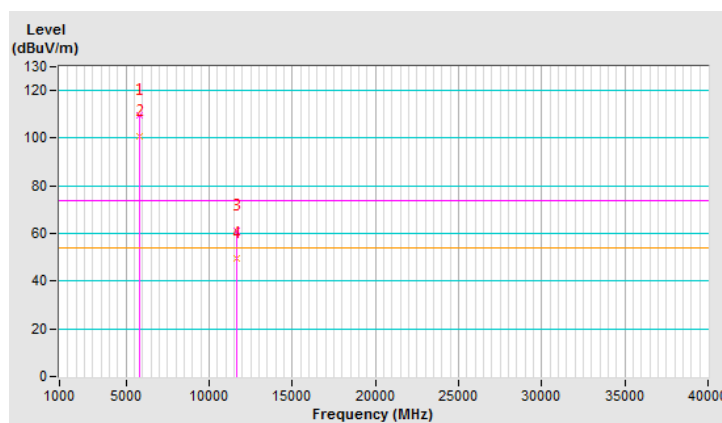


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 165：5825 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5825.00       | 109.8 PK                      |                   |                | 1.50 H                   | 12                         | 69.1                   | 40.7                           |
| 2                                                   | *5825.00       | 100.8 AV                      |                   |                | 1.50 H                   | 12                         | 60.1                   | 40.7                           |
| 3                                                   | 11650.00       | 61.4 PK                       | 74.0              | -12.6          | 2.00 H                   | 201                        | 38.8                   | 22.6                           |
| 4                                                   | 11650.00       | 49.5 AV                       | 54.0              | -4.5           | 2.00 H                   | 201                        | 26.9                   | 22.6                           |
|                                                     | 17475.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 23300.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 29125.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 34950.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

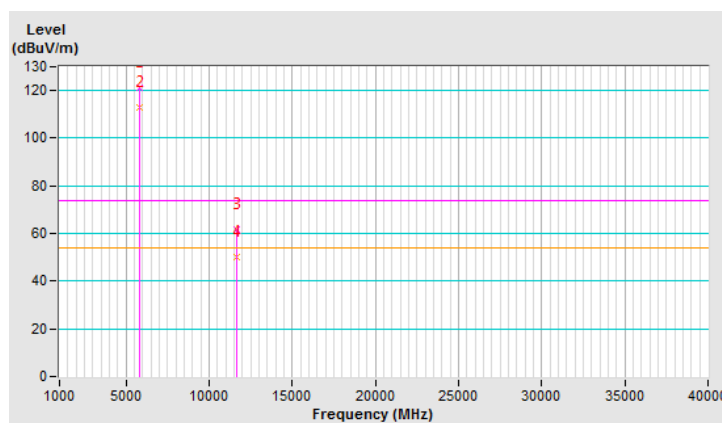


|         |                   |         |                                                |
|---------|-------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 165 : 5825 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C              | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日   | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | *5825.00       | 121.4 PK                      |                   |                | 1.75 V                   | 11                         | 80.7                   | 40.7                           |
| 2                                                 | *5825.00       | 112.8 AV                      |                   |                | 1.75 V                   | 11                         | 72.1                   | 40.7                           |
| 3                                                 | 11650.00       | 61.7 PK                       | 74.0              | -12.3          | 1.63 V                   | 320                        | 39.1                   | 22.6                           |
| 4                                                 | 11650.00       | 50.2 AV                       | 54.0              | -3.8           | 1.63 V                   | 320                        | 27.6                   | 22.6                           |
|                                                   | 17475.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 23300.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 29125.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 34950.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

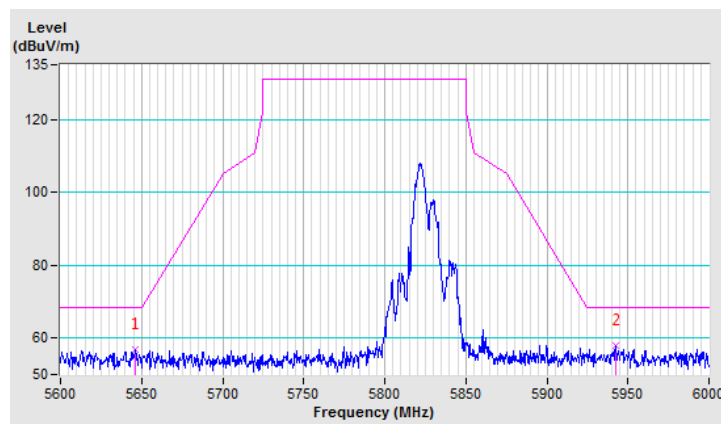


|         |                          |         |                                                |
|---------|--------------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                       | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 165 : 5825 MHz (OOBE) | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C                     | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日          | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5646.40       | 56.8 PK                       | 68.2              | -11.4          | 1.50 H                   | 12                         | 46.4                   | 10.4                           |
| 2                                                   | #5942.80       | 58.0 PK                       | 68.2              | -10.2          | 1.50 H                   | 12                         | 47.1                   | 10.9                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



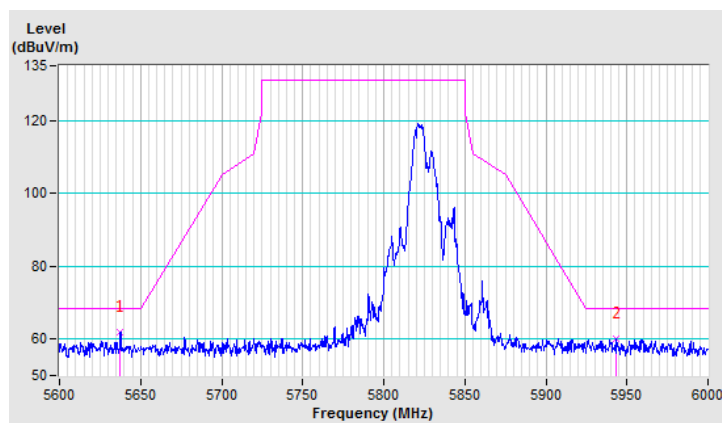
|         |                          |         |                                                |
|---------|--------------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                       | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 165 : 5825 MHz (OOBE) | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C                     | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日          | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | #5637.60       | 61.8 PK                       | 68.2              | -6.4           | 1.75 V                   | 11                         | 51.4                   | 10.4                           |
| 2   | #5943.20       | 60.2 PK                       | 68.2              | -8.0           | 1.75 V                   | 11                         | 49.3                   | 10.9                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



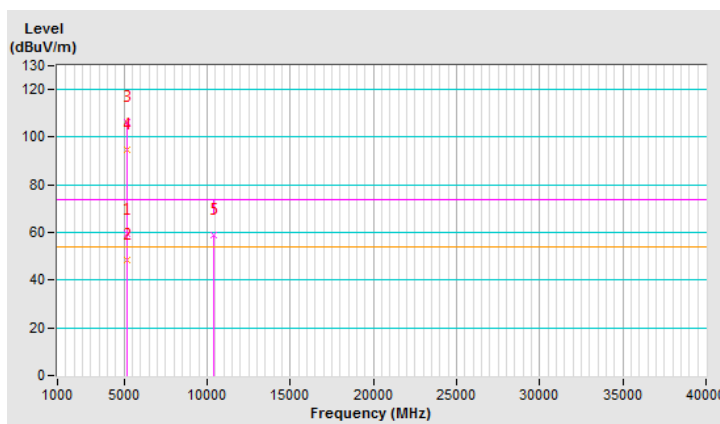
# 802.11ax (HE20)

|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 36：5180 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 5150.00     | 59.2 PK                 | 74.0           | -14.8       | 1.05 H             | 15                   | 48.7             | 10.5                     |
| 2                                                   | 5150.00     | 48.5 AV                 | 54.0           | -5.5        | 1.05 H             | 15                   | 38.0             | 10.5                     |
| 3                                                   | *5180.00    | 106.2 PK                |                |             | 1.05 H             | 15                   | 66.6             | 39.6                     |
| 4                                                   | *5180.00    | 94.8 AV                 |                |             | 1.05 H             | 15                   | 55.2             | 39.6                     |
| 5                                                   | #10360.00   | 59.2 PK                 | 68.2           | -9.0        | 2.05 H             | 100                  | 38.1             | 21.1                     |
|                                                     | 15540.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 20720.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 25900.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 31080.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 36260.00    | -                       | -              | -           | -                  | -                    | -                | -                        |

## Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

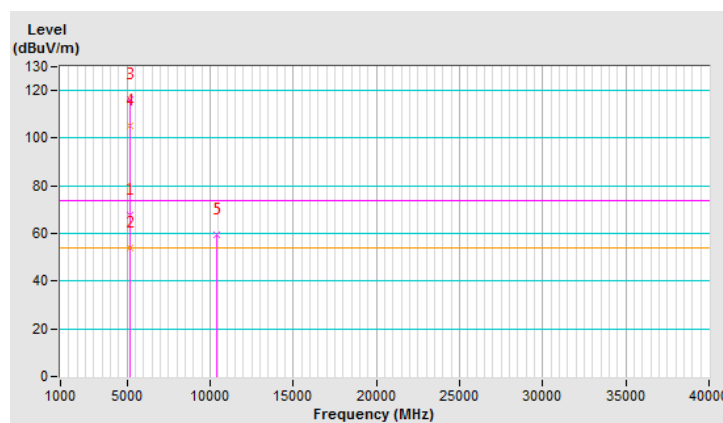


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 36：5180 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 5150.00        | 68.0 PK                       | 74.0              | -6.0           | 1.00 V                   | 317                        | 57.5                   | 10.5                           |
| 2                                                 | 5150.00        | 53.9 AV                       | 54.0              | -0.1           | 1.00 V                   | 317                        | 43.4                   | 10.5                           |
| 3                                                 | *5180.00       | 116.1 PK                      |                   |                | 1.00 V                   | 317                        | 76.5                   | 39.6                           |
| 4                                                 | *5180.00       | 105.1 AV                      |                   |                | 1.00 V                   | 317                        | 65.5                   | 39.6                           |
| 5                                                 | #10360.00      | 59.6 PK                       | 74.0              | -14.4          | 1.06 V                   | 326                        | 38.5                   | 21.1                           |
|                                                   | 15540.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 20720.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 25900.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 31080.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 36260.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

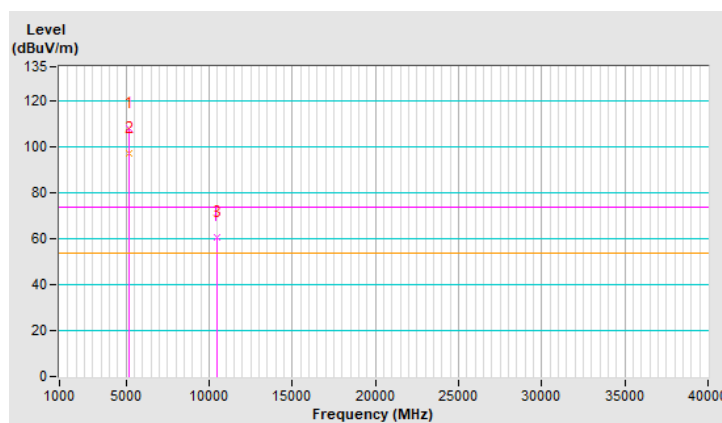


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 44：5220 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5220.00       | 108.0 PK                      |                   |                | 1.01 H                   | 13                         | 68.6                   | 39.4                           |
| 2                                                   | *5220.00       | 97.2 AV                       |                   |                | 1.01 H                   | 13                         | 57.8                   | 39.4                           |
| 3                                                   | #10440.00      | 60.8 PK                       | 74.0              | -13.2          | 2.13 H                   | 200                        | 39.5                   | 21.3                           |
|                                                     | 15600.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 20800.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 26000.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 31200.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 36400.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

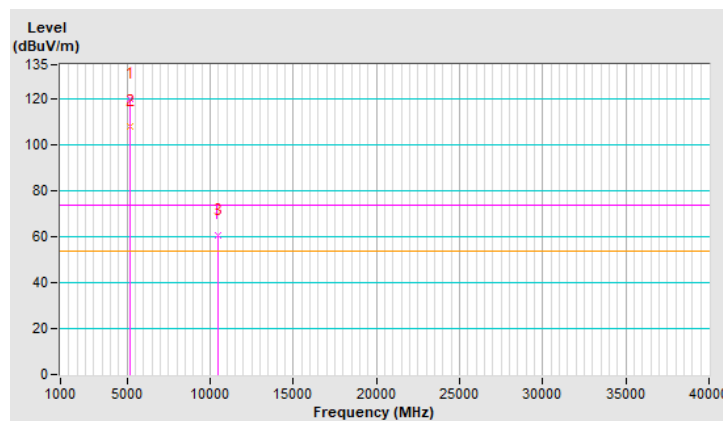


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 44：5220 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | *5220.00       | 120.1 PK                      |                   |                | 1.00 V                   | 323                        | 80.7                   | 39.4                           |
| 2                                                 | *5220.00       | 108.4 AV                      |                   |                | 1.00 V                   | 323                        | 69.0                   | 39.4                           |
| 3                                                 | #10440.00      | 60.5 PK                       | 74.0              | -13.5          | 2.16 V                   | 200                        | 39.2                   | 21.3                           |
|                                                   | 15600.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 20800.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 26000.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 31200.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 36400.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

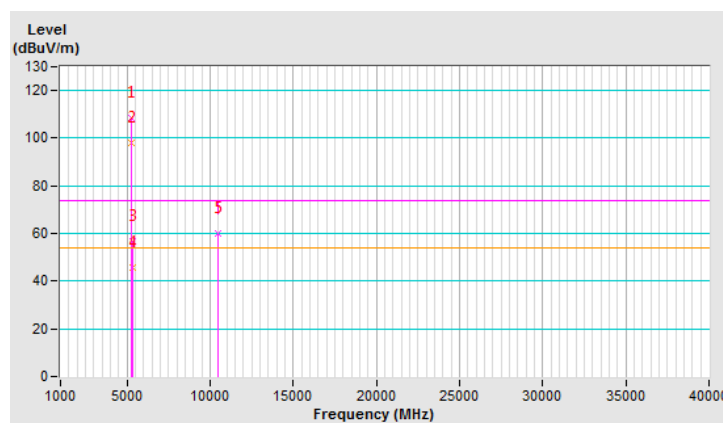


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 48：5240 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5240.00       | 108.4 PK                      |                   |                | 1.00 H                   | 10                         | 69.2                   | 39.2                           |
| 2                                                   | *5240.00       | 98.0 AV                       |                   |                | 1.00 H                   | 10                         | 58.8                   | 39.2                           |
| 3                                                   | 5350.00        | 56.5 PK                       | 74.0              | -17.5          | 1.00 H                   | 10                         | 46.6                   | 9.9                            |
| 4                                                   | 5350.00        | 45.7 AV                       | 54.0              | -8.3           | 1.00 H                   | 10                         | 35.8                   | 9.9                            |
| 5                                                   | #10480.00      | 59.8 PK                       | 68.2              | -8.4           | 1.69 H                   | 322                        | 38.9                   | 20.9                           |
|                                                     | 15720.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 20960.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 26200.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 31440.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 36680.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

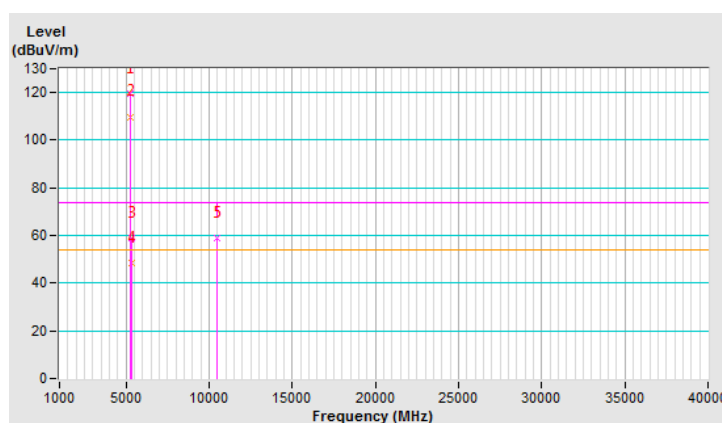


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 48：5240 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | *5240.00       | 119.4 PK                      |                   |                | 1.00 V                   | 318                        | 80.2                   | 39.2                           |
| 2                                                 | *5240.00       | 109.9 AV                      |                   |                | 1.00 V                   | 318                        | 70.7                   | 39.2                           |
| 3                                                 | 5350.00        | 58.8 PK                       | 74.0              | -15.2          | 1.00 V                   | 318                        | 48.9                   | 9.9                            |
| 4                                                 | 5350.00        | 48.2 AV                       | 54.0              | -5.8           | 1.00 V                   | 318                        | 38.3                   | 9.9                            |
| 5                                                 | #10480.00      | 59.2 PK                       | 68.2              | -9.0           | 1.05 V                   | 111                        | 38.3                   | 20.9                           |
|                                                   | 15720.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 20960.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 26200.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 31440.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 36680.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

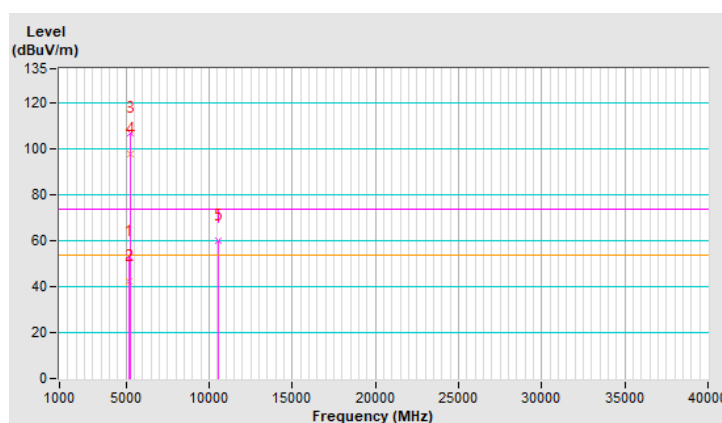


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 52：5260 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 27 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 53.1 PK                       | 74.0              | -20.9          | 2.11 H                   | 30                         | 42.6                   | 10.5                           |
| 2                                                   | 5150.00        | 42.5 AV                       | 54.0              | -11.5          | 2.11 H                   | 30                         | 32.0                   | 10.5                           |
| 3                                                   | *5260.00       | 106.7 PK                      |                   |                | 2.11 H                   | 30                         | 67.5                   | 39.2                           |
| 4                                                   | *5260.00       | 98.1 AV                       |                   |                | 2.11 H                   | 30                         | 58.9                   | 39.2                           |
| 5                                                   | #10520.00      | 60.0 PK                       | 68.2              | -8.2           | 3.00 H                   | 100                        | 39.1                   | 20.9                           |
|                                                     | 15780.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 21040.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 26300.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 31560.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 36820.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



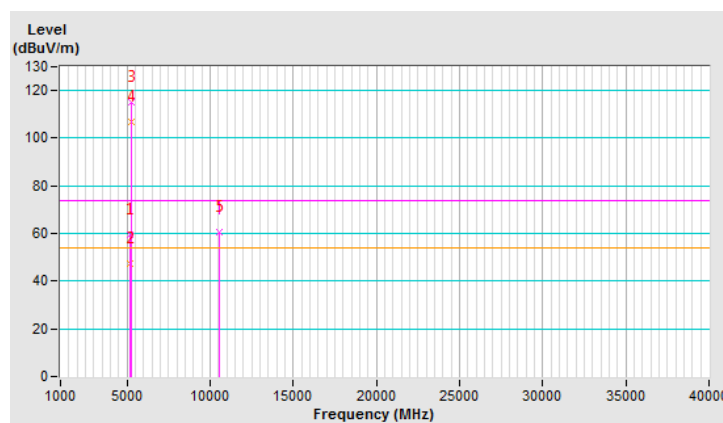
|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 52：5260 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 27 日 | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 5150.00        | 59.7 PK                       | 74.0              | -14.3          | 2.32 V                   | 179                        | 49.2                   | 10.5                           |
| 2   | 5150.00        | 47.6 AV                       | 54.0              | -6.4           | 2.32 V                   | 179                        | 37.1                   | 10.5                           |
| 3   | *5260.00       | 115.3 PK                      |                   |                | 2.32 V                   | 179                        | 76.1                   | 39.2                           |
| 4   | *5260.00       | 107.0 AV                      |                   |                | 2.32 V                   | 179                        | 67.8                   | 39.2                           |
| 5   | #10520.00      | 60.8 PK                       | 68.2              | -7.4           | 1.33 V                   | 144                        | 39.9                   | 20.9                           |
|     | 15780.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 21040.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 26300.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 31560.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 36820.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

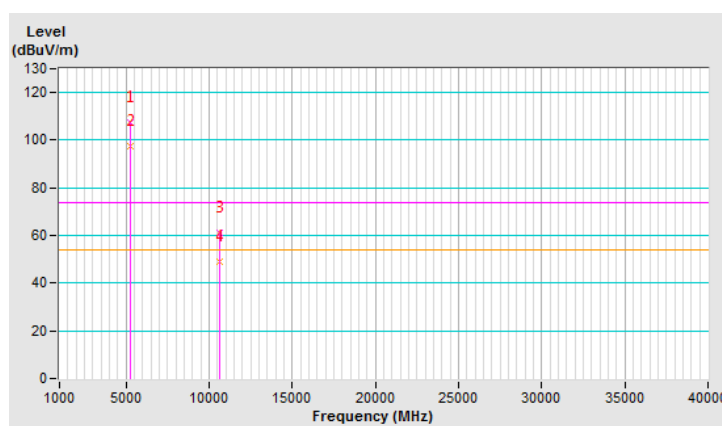


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 60：5300 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 27 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5300.00       | 107.5 PK                      |                   |                | 1.69 H                   | 36                         | 68.2                   | 39.3                           |
| 2                                                   | *5300.00       | 97.4 AV                       |                   |                | 1.69 H                   | 36                         | 58.1                   | 39.3                           |
| 3                                                   | 10600.00       | 61.2 PK                       | 74.0              | -12.8          | 3.11 H                   | 315                        | 39.4                   | 21.8                           |
| 4                                                   | 10600.00       | 48.8 AV                       | 54.0              | -5.2           | 3.11 H                   | 315                        | 27.0                   | 21.8                           |
|                                                     | 15900.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 21200.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 26500.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 31800.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 37100.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

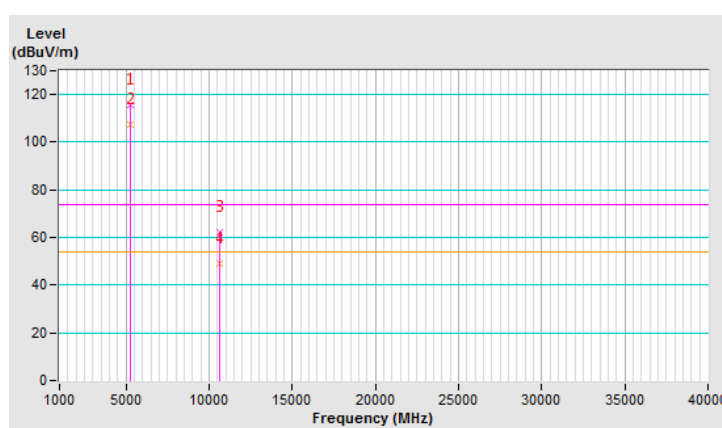


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 60：5300 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 27 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | *5300.00       | 115.9 PK                      |                   |                | 2.33 V                   | 170                        | 76.6                   | 39.3                           |
| 2                                                 | *5300.00       | 107.5 AV                      |                   |                | 2.33 V                   | 170                        | 68.2                   | 39.3                           |
| 3                                                 | 10600.00       | 62.1 PK                       | 74.0              | -11.9          | 1.69 V                   | 326                        | 40.3                   | 21.8                           |
| 4                                                 | 10600.00       | 49.1 AV                       | 54.0              | -4.9           | 1.69 V                   | 326                        | 27.3                   | 21.8                           |
|                                                   | 15900.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 21200.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 26500.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 31800.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 37100.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

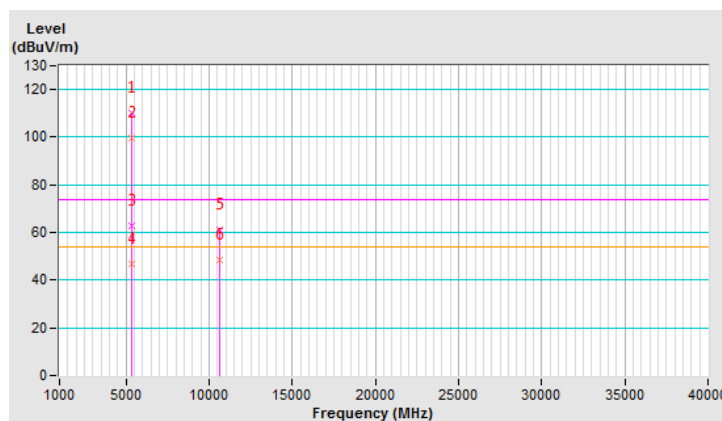


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 64：5320 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | *5320.00    | 110.0 PK                |                |             | 2.19 H             | 66                   | 70.7             | 39.3                     |
| 2                                                   | *5320.00    | 99.7 AV                 |                |             | 2.19 H             | 66                   | 60.4             | 39.3                     |
| 3                                                   | 5350.00     | 62.6 PK                 | 74.0           | -11.4       | 2.19 H             | 66                   | 52.7             | 9.9                      |
| 4                                                   | 5350.00     | 46.7 AV                 | 54.0           | -7.3        | 2.19 H             | 66                   | 36.8             | 9.9                      |
| 5                                                   | 10640.00    | 61.1 PK                 | 74.0           | -12.9       | 1.99 H             | 199                  | 39.2             | 21.9                     |
| 6                                                   | 10640.00    | 48.4 AV                 | 54.0           | -5.6        | 1.99 H             | 199                  | 26.5             | 21.9                     |
|                                                     | 15960.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 21280.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 26600.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 31920.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 37240.00    | -                       | -              | -           | -                  | -                    | -                | -                        |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



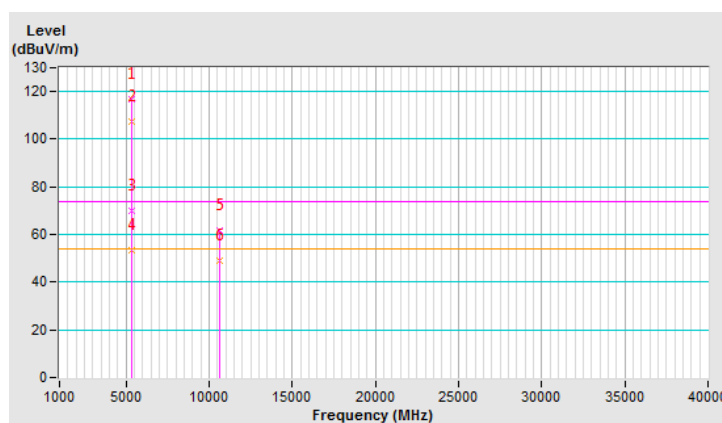
|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 64：5320 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 27 日 | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | *5320.00       | 117.0 PK                      |                   |                | 2.32 V                   | 178                        | 77.7                   | 39.3                           |
| 2   | *5320.00       | 107.5 AV                      |                   |                | 2.32 V                   | 178                        | 68.2                   | 39.3                           |
| 3   | 5350.00        | 69.9 PK                       | 74.0              | -4.1           | 2.32 V                   | 178                        | 60.0                   | 9.9                            |
| 4   | 5350.00        | 53.6 AV                       | 54.0              | -0.4           | 2.32 V                   | 178                        | 43.7                   | 9.9                            |
| 5   | 10640.00       | 61.9 PK                       | 74.0              | -12.1          | 1.31 V                   | 300                        | 40.0                   | 21.9                           |
| 6   | 10640.00       | 49.2 AV                       | 54.0              | -4.8           | 1.31 V                   | 300                        | 27.3                   | 21.9                           |
|     | 15960.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 21280.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 26600.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 31920.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 37240.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

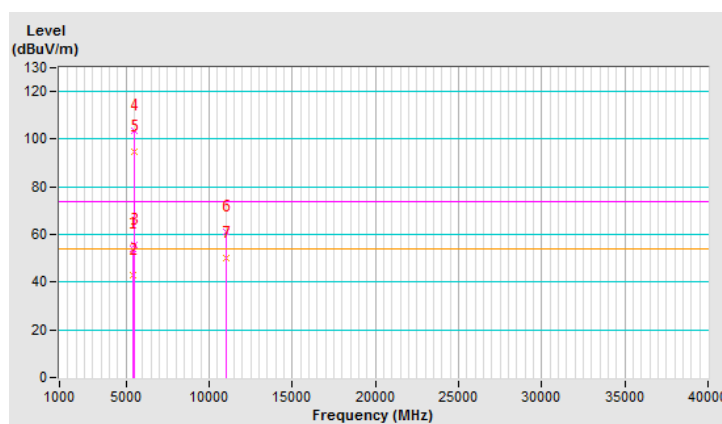


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 100：5500 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5460.00        | 54.0 PK                       | 74.0              | -20.0          | 1.00 H                   | 316                        | 43.7                   | 10.3                           |
| 2                                                   | 5460.00        | 42.9 AV                       | 54.0              | -11.1          | 1.00 H                   | 316                        | 32.6                   | 10.3                           |
| 3                                                   | #5470.00       | 55.4 PK                       | 68.2              | -12.8          | 1.00 H                   | 316                        | 45.1                   | 10.3                           |
| 4                                                   | *5500.00       | 103.6 PK                      |                   |                | 1.00 H                   | 316                        | 63.9                   | 39.7                           |
| 5                                                   | *5500.00       | 94.7 AV                       |                   |                | 1.00 H                   | 316                        | 55.0                   | 39.7                           |
| 6                                                   | 11000.00       | 61.2 PK                       | 74.0              | -12.8          | 1.33 H                   | 139                        | 38.8                   | 22.4                           |
| 7                                                   | 11000.00       | 50.0 AV                       | 54.0              | -4.0           | 1.33 H                   | 139                        | 27.6                   | 22.4                           |
|                                                     | 16500.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 22000.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 27500.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 33000.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 38500.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

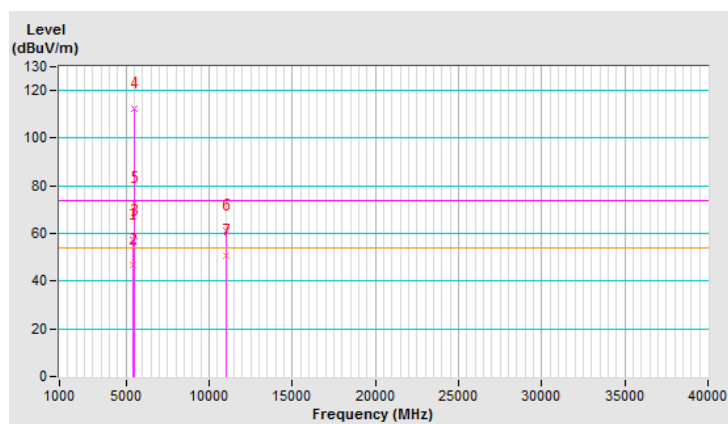


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 100：5500 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 5460.00        | 57.3 PK                       | 74.0              | -16.7          | 1.00 V                   | 167                        | 47.0                   | 10.3                           |
| 2                                                 | 5460.00        | 47.0 AV                       | 54.0              | -7.0           | 1.00 V                   | 167                        | 36.7                   | 10.3                           |
| 3                                                 | #5470.00       | 59.2 PK                       | 68.2              | -9.0           | 1.00 V                   | 167                        | 48.9                   | 10.3                           |
| 4                                                 | *5500.00       | 112.2 PK                      |                   |                | 1.00 V                   | 167                        | 72.5                   | 39.7                           |
| 5                                                 | *5500.00       | 72.9 AV                       |                   |                | 1.00 V                   | 167                        | 62.6                   | 10.3                           |
| 6                                                 | 11000.00       | 61.4 PK                       | 74.0              | -12.6          | 1.96 V                   | 326                        | 39.0                   | 22.4                           |
| 7                                                 | 11000.00       | 50.7 AV                       | 54.0              | -3.3           | 1.96 V                   | 326                        | 28.3                   | 22.4                           |
|                                                   | 16500.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 22000.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 27500.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 33000.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 38500.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

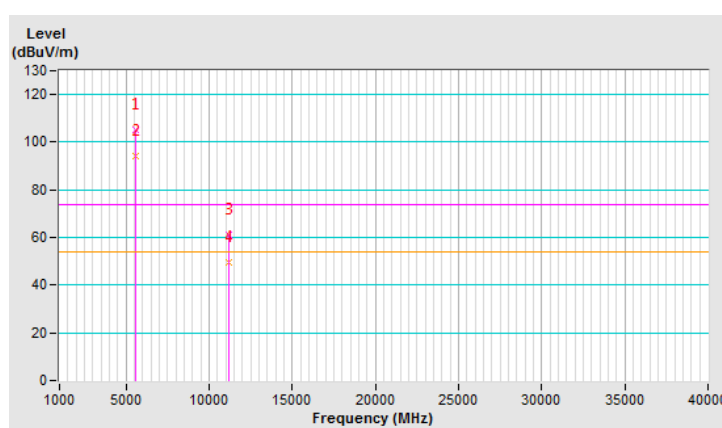


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 116：5580 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5580.00       | 105.4 PK                      |                   |                | 2.00 H                   | 301                        | 65.6                   | 39.8                           |
| 2                                                   | *5580.00       | 94.1 AV                       |                   |                | 2.00 H                   | 301                        | 54.3                   | 39.8                           |
| 3                                                   | 11160.00       | 61.0 PK                       | 74.0              | -13.0          | 3.16 H                   | 309                        | 38.6                   | 22.4                           |
| 4                                                   | 11160.00       | 49.4 AV                       | 54.0              | -4.6           | 3.16 H                   | 309                        | 27.0                   | 22.4                           |
|                                                     | 16740.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 22320.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 27900.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 33480.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 39060.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

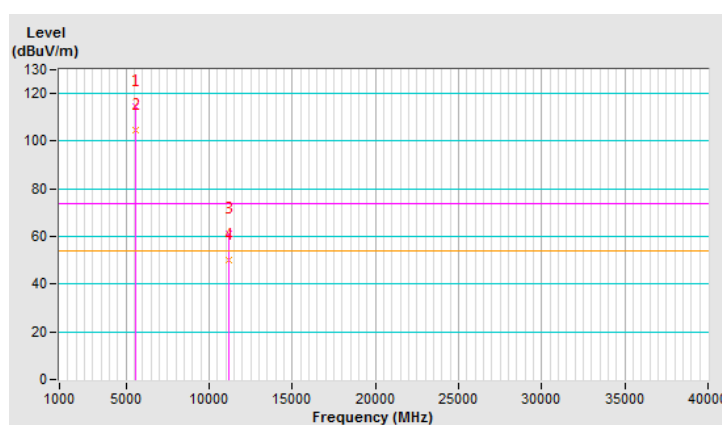


|         |                   |         |                                                |
|---------|-------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 116 : 5580 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C              | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日   | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | *5580.00       | 114.8 PK                      |                   |                | 1.00 V                   | 171                        | 75.0                   | 39.8                           |
| 2                                                 | *5580.00       | 104.5 AV                      |                   |                | 1.00 V                   | 171                        | 64.7                   | 39.8                           |
| 3                                                 | 11160.00       | 61.3 PK                       | 74.0              | -12.7          | 1.39 V                   | 133                        | 38.9                   | 22.4                           |
| 4                                                 | 11160.00       | 50.0 AV                       | 54.0              | -4.0           | 1.39 V                   | 133                        | 27.6                   | 22.4                           |
|                                                   | 16740.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 22320.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 27900.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 33480.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 39060.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

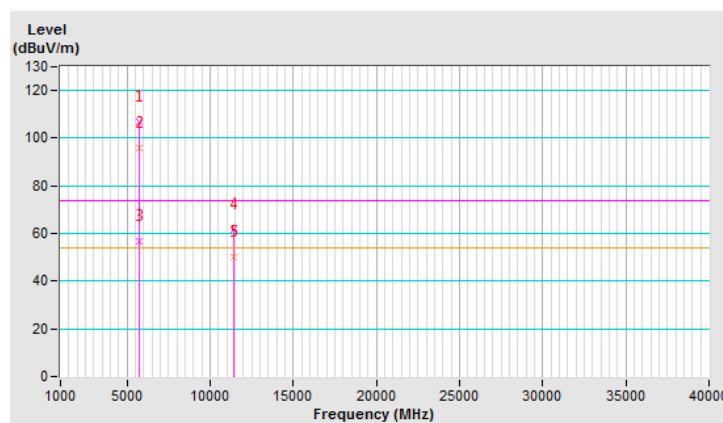


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 140：5700 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5700.00       | 106.9 PK                      |                   |                | 1.36 H                   | 313                        | 66.9                   | 40.0                           |
| 2                                                   | *5700.00       | 95.9 AV                       |                   |                | 1.36 H                   | 313                        | 55.9                   | 40.0                           |
| 3                                                   | #5725.00       | 57.0 PK                       | 68.2              | -11.2          | 1.36 H                   | 313                        | 46.6                   | 10.4                           |
| 4                                                   | 11400.00       | 61.7 PK                       | 74.0              | -12.3          | 3.13 H                   | 306                        | 38.5                   | 23.2                           |
| 5                                                   | 11400.00       | 50.4 AV                       | 54.0              | -3.6           | 3.13 H                   | 306                        | 27.2                   | 23.2                           |
|                                                     | 17100.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 22800.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 28500.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 34200.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 39900.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

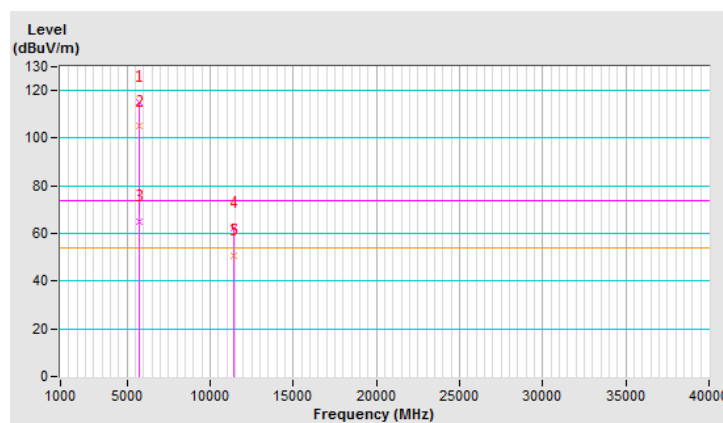


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 140：5700 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | *5700.00       | 115.3 PK                      |                   |                | 1.00 V                   | 150                        | 75.3                   | 40.0                           |
| 2                                                 | *5700.00       | 104.9 AV                      |                   |                | 1.00 V                   | 150                        | 64.9                   | 40.0                           |
| 3                                                 | #5725.00       | 65.2 PK                       | 68.2              | -3.0           | 1.00 V                   | 150                        | 54.8                   | 10.4                           |
| 4                                                 | 11400.00       | 62.1 PK                       | 74.0              | -11.9          | 1.36 V                   | 105                        | 38.9                   | 23.2                           |
| 5                                                 | 11400.00       | 50.5 AV                       | 54.0              | -3.5           | 1.36 V                   | 105                        | 27.3                   | 23.2                           |
|                                                   | 17100.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 22800.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 28500.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 34200.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 39900.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



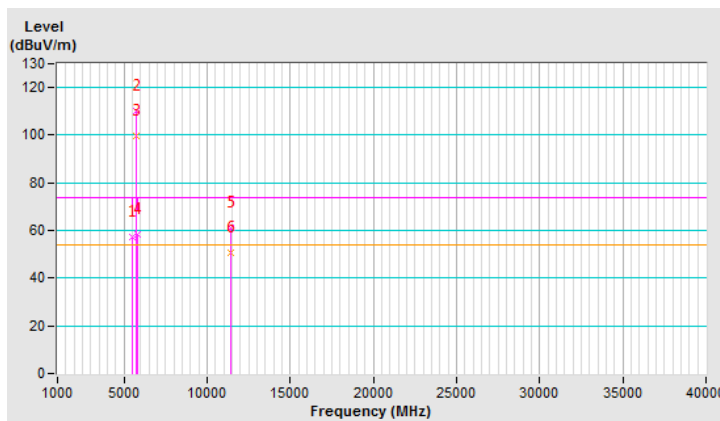
|         |                   |         |                                                |
|---------|-------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 144 : 5720 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C              | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日   | 測試者：    | 張家誠                                            |

#### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | #5470.00       | 57.5 PK                       | 68.2              | -10.7          | 2.01 H                   | 65                         | 47.2                   | 10.3                           |
| 2   | *5720.00       | 110.2 PK                      |                   |                | 2.01 H                   | 65                         | 70.1                   | 40.1                           |
| 3   | *5720.00       | 99.6 AV                       |                   |                | 2.01 H                   | 65                         | 59.5                   | 40.1                           |
| 4   | #5850.00       | 58.2 PK                       | 68.2              | -10.0          | 2.01 H                   | 65                         | 47.0                   | 11.2                           |
| 5   | 11440.00       | 61.3 PK                       | 74.0              | -12.7          | 1.47 H                   | 230                        | 38.2                   | 23.1                           |
| 6   | 11440.00       | 50.9 AV                       | 54.0              | -3.1           | 1.47 H                   | 230                        | 27.8                   | 23.1                           |
|     | 17160.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 22880.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 28600.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 34320.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

#### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

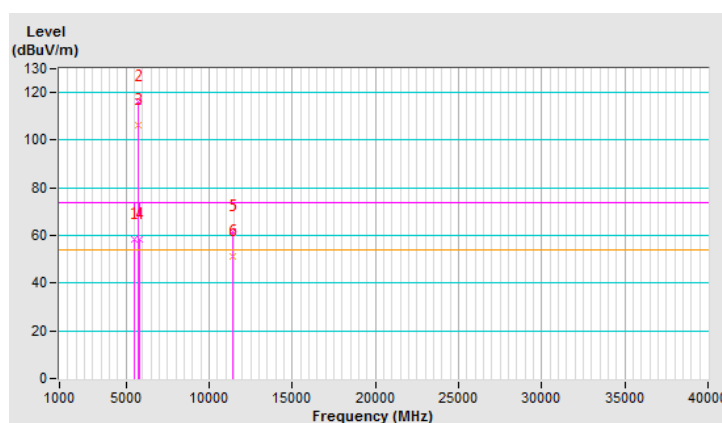


|         |                   |         |                                                |
|---------|-------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 144 : 5720 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C              | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日   | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | #5470.00       | 58.2 PK                       | 68.2              | -10.0          | 1.84 V                   | 9                          | 47.9                   | 10.3                           |
| 2                                                 | *5720.00       | 116.2 PK                      |                   |                | 1.84 V                   | 9                          | 76.1                   | 40.1                           |
| 3                                                 | *5720.00       | 106.3 AV                      |                   |                | 1.84 V                   | 9                          | 66.2                   | 40.1                           |
| 4                                                 | #5850.00       | 58.6 PK                       | 68.2              | -9.6           | 1.84 V                   | 9                          | 47.4                   | 11.2                           |
| 5                                                 | 11440.00       | 61.6 PK                       | 74.0              | -12.4          | 2.24 V                   | 196                        | 38.5                   | 23.1                           |
| 6                                                 | 11440.00       | 51.4 AV                       | 54.0              | -2.6           | 2.24 V                   | 196                        | 28.3                   | 23.1                           |
|                                                   | 17160.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 22880.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 28600.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 34320.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

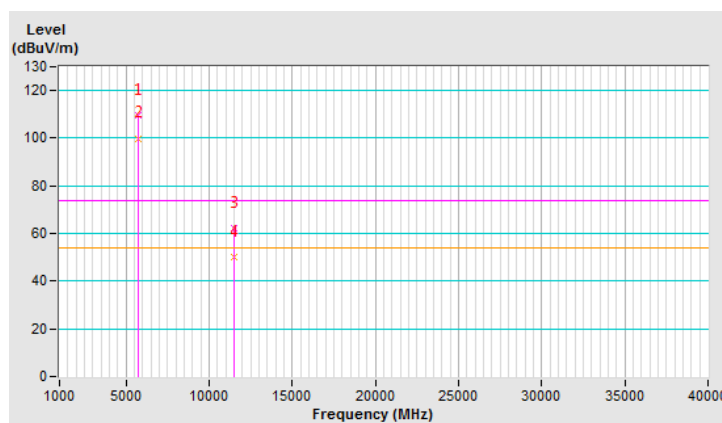


|         |                   |         |                                                |
|---------|-------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 149 : 5745 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C              | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日   | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5745.00       | 109.5 PK                      |                   |                | 1.05 H                   | 309                        | 69.3                   | 40.2                           |
| 2                                                   | *5745.00       | 100.0 AV                      |                   |                | 1.05 H                   | 309                        | 59.8                   | 40.2                           |
| 3                                                   | 11490.00       | 62.2 PK                       | 74.0              | -11.8          | 1.05 H                   | 147                        | 39.1                   | 23.1                           |
| 4                                                   | 11490.00       | 50.4 AV                       | 54.0              | -3.6           | 1.05 H                   | 147                        | 27.3                   | 23.1                           |
|                                                     | 17235.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 22980.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 28725.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 34470.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

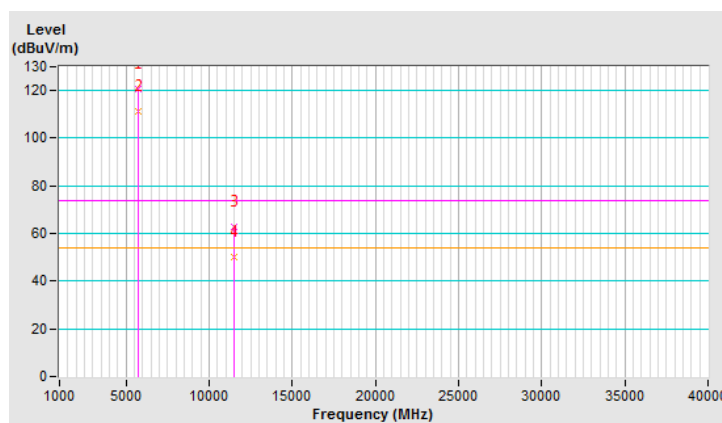


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 149：5745 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | *5745.00       | 120.7 PK                      |                   |                | 1.78 V                   | 14                         | 80.5                   | 40.2                           |
| 2                                                 | *5745.00       | 111.4 AV                      |                   |                | 1.78 V                   | 14                         | 71.2                   | 40.2                           |
| 3                                                 | 11490.00       | 62.7 PK                       | 74.0              | -11.3          | 1.33 V                   | 20                         | 39.6                   | 23.1                           |
| 4                                                 | 11490.00       | 50.1 AV                       | 54.0              | -3.9           | 1.33 V                   | 20                         | 27.0                   | 23.1                           |
|                                                   | 17235.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 22980.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 28725.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 34470.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

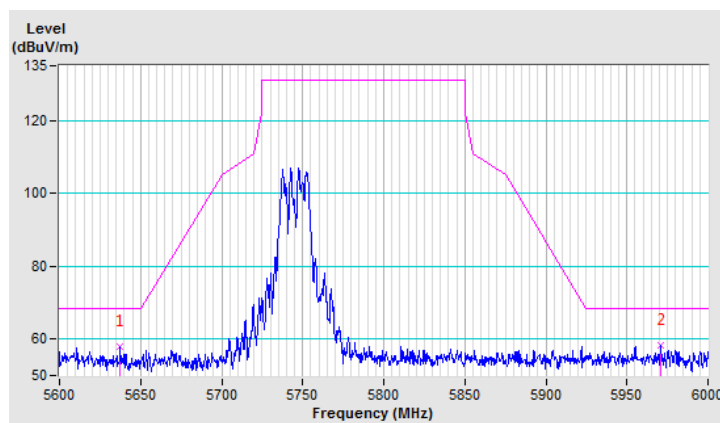


|         |                          |         |                                                |
|---------|--------------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                       | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 149 : 5745 MHz (OOBE) | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C                     | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日          | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5637.60       | 57.9 PK                       | 68.2              | -10.3          | 1.05 H                   | 309                        | 47.5                   | 10.4                           |
| 2                                                   | #5970.80       | 58.3 PK                       | 68.2              | -9.9           | 1.05 H                   | 309                        | 47.4                   | 10.9                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



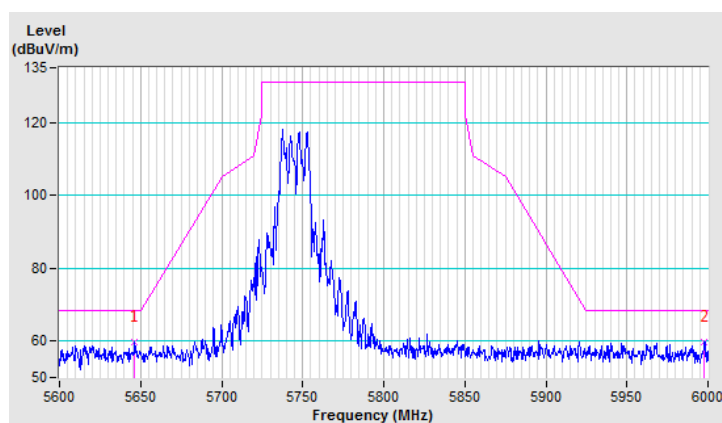
|         |                          |         |                                                |
|---------|--------------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                       | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 149 : 5745 MHz (OOBE) | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C                     | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日          | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | #5646.40       | 59.6 PK                       | 68.2              | -8.6           | 1.78 V                   | 14                         | 49.2                   | 10.4                           |
| 2   | #5997.60       | 59.7 PK                       | 68.2              | -8.5           | 1.78 V                   | 14                         | 48.7                   | 11.0                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

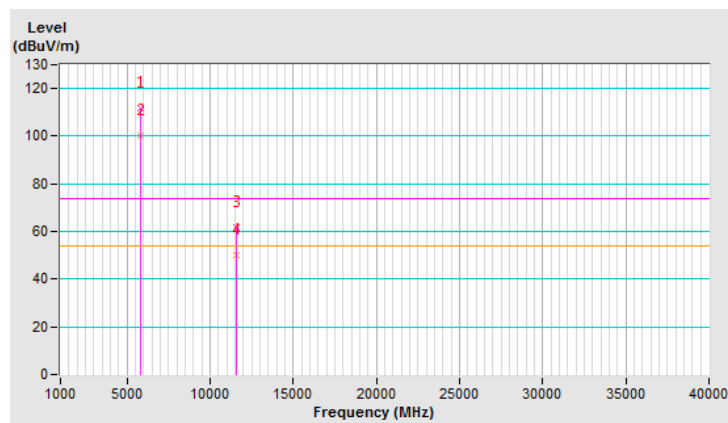


|         |                   |         |                                                |
|---------|-------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 157 : 5785 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C              | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日   | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5785.00       | 112.0 PK                      |                   |                | 1.00 H                   | 258                        | 71.6                   | 40.4                           |
| 2                                                   | *5785.00       | 100.4 AV                      |                   |                | 1.00 H                   | 258                        | 60.0                   | 40.4                           |
| 3                                                   | 11570.00       | 61.7 PK                       | 74.0              | -12.3          | 2.39 H                   | 323                        | 38.8                   | 22.9                           |
| 4                                                   | 11570.00       | 50.0 AV                       | 54.0              | -4.0           | 2.39 H                   | 323                        | 27.1                   | 22.9                           |
|                                                     | 17355.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 23140.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 28925.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 34710.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

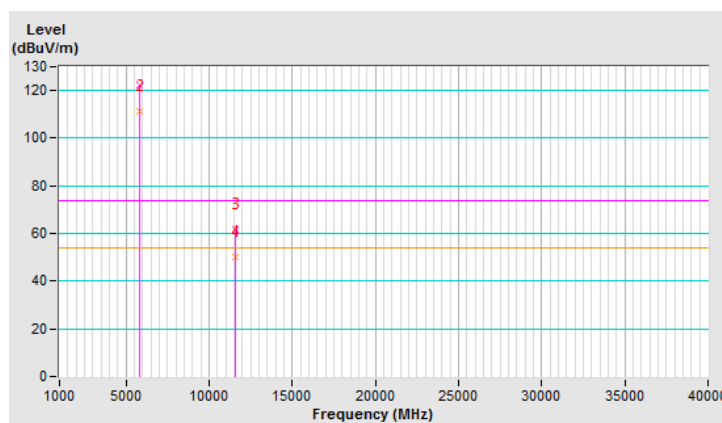


|         |                   |         |                                                |
|---------|-------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 157 : 5785 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C              | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日   | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | *5785.00       | 122.3 PK                      |                   |                | 1.78 V                   | 6                          | 81.9                   | 40.4                           |
| 2                                                 | *5785.00       | 111.3 AV                      |                   |                | 1.78 V                   | 6                          | 70.9                   | 40.4                           |
| 3                                                 | 11570.00       | 61.9 PK                       | 74.0              | -12.1          | 1.05 V                   | 115                        | 39.0                   | 22.9                           |
| 4                                                 | 11570.00       | 50.2 AV                       | 54.0              | -3.8           | 1.05 V                   | 115                        | 27.3                   | 22.9                           |
|                                                   | 17355.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 23140.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 28925.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 34710.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



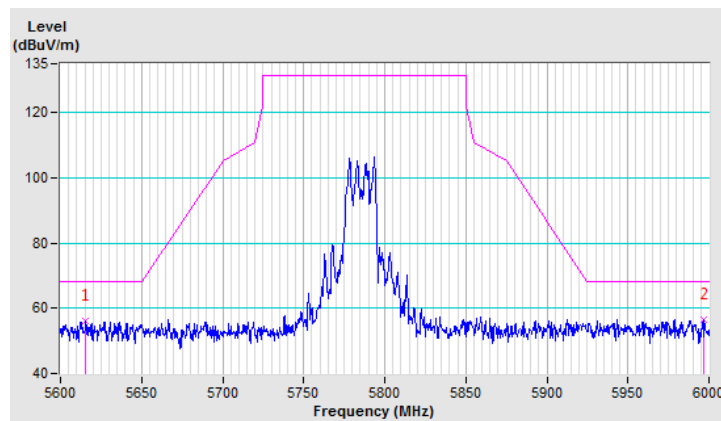
|         |                          |         |                                                |
|---------|--------------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                       | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 157 : 5785 MHz (OOBE) | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C                     | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日          | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | #5615.60       | 56.1 PK                       | 68.2              | -12.1          | 1.00 H                   | 258                        | 45.7                   | 10.4                           |
| 2   | #5996.80       | 56.6 PK                       | 68.2              | -11.6          | 1.00 H                   | 258                        | 45.6                   | 11.0                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



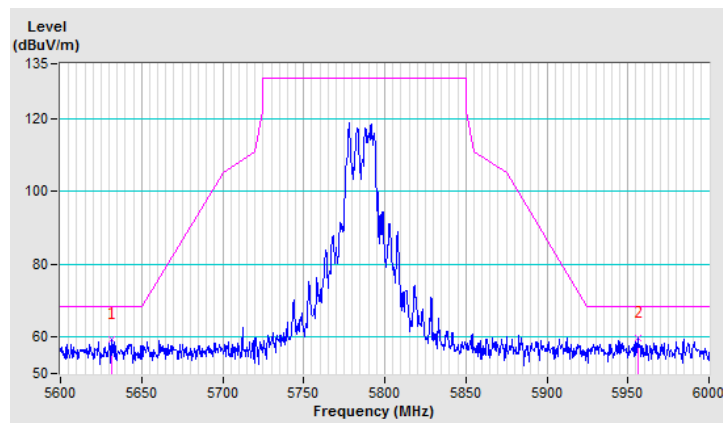
|         |                          |         |                                                |
|---------|--------------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                       | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 157 : 5785 MHz (OOBE) | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C                     | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日          | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | #5631.60       | 59.4 PK                       | 68.2              | -8.8           | 1.78 V                   | 6                          | 49.1                   | 10.3                           |
| 2   | #5956.00       | 59.8 PK                       | 68.2              | -8.4           | 1.78 V                   | 6                          | 48.8                   | 11.0                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

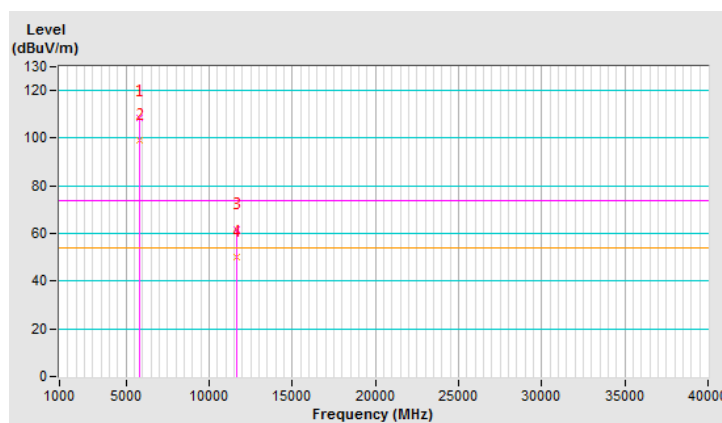


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 165：5825 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5825.00       | 108.8 PK                      |                   |                | 1.25 H                   | 126                        | 68.1                   | 40.7                           |
| 2                                                   | *5825.00       | 99.2 AV                       |                   |                | 1.25 H                   | 126                        | 58.5                   | 40.7                           |
| 3                                                   | 11650.00       | 61.8 PK                       | 74.0              | -12.2          | 2.16 H                   | 205                        | 39.2                   | 22.6                           |
| 4                                                   | 11650.00       | 49.9 AV                       | 54.0              | -4.1           | 2.16 H                   | 205                        | 27.3                   | 22.6                           |
|                                                     | 17475.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 23300.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 29125.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 34950.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

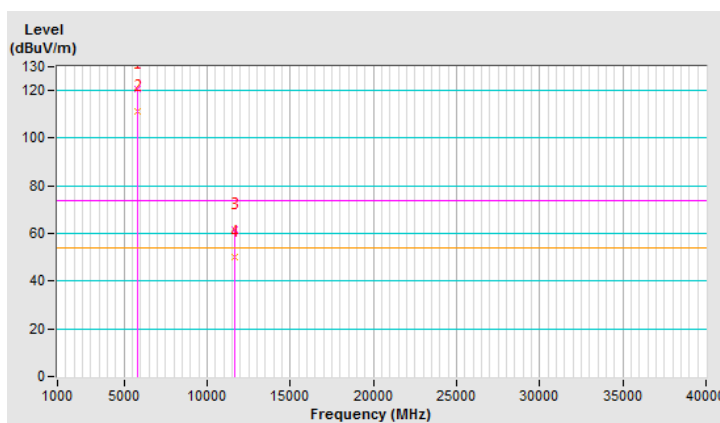


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 165：5825 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | *5825.00       | 120.8 PK                      |                   |                | 1.78 V                   | 7                          | 80.1                   | 40.7                           |
| 2                                                 | *5825.00       | 111.1 AV                      |                   |                | 1.78 V                   | 7                          | 70.4                   | 40.7                           |
| 3                                                 | 11650.00       | 61.8 PK                       | 74.0              | -12.2          | 1.69 V                   | 236                        | 39.2                   | 22.6                           |
| 4                                                 | 11650.00       | 49.9 AV                       | 54.0              | -4.1           | 1.69 V                   | 236                        | 27.3                   | 22.6                           |
|                                                   | 17475.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 23300.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 29125.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 34950.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

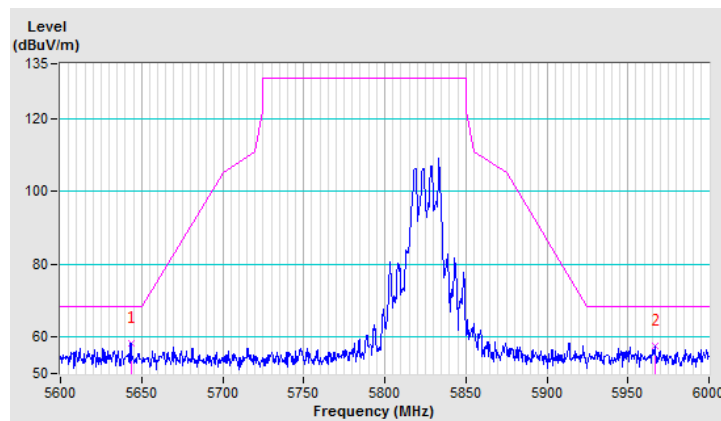


|         |                          |         |                                                |
|---------|--------------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                       | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 165 : 5825 MHz (OOBE) | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C                     | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日          | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5643.60       | 58.3 PK                       | 68.2              | -9.9           | 1.25 H                   | 126                        | 47.9                   | 10.4                           |
| 2                                                   | #5966.40       | 57.6 PK                       | 68.2              | -10.6          | 1.25 H                   | 126                        | 46.6                   | 11.0                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



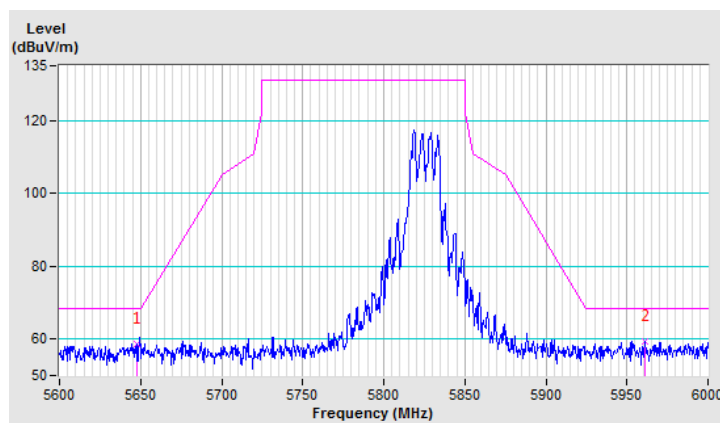
|         |                          |         |                                                |
|---------|--------------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                       | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 165 : 5825 MHz (OOBE) | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C                     | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日          | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | #5647.60       | 58.7 PK                       | 68.2              | -9.5           | 1.78 V                   | 7                          | 48.3                   | 10.4                           |
| 2   | #5961.20       | 59.5 PK                       | 68.2              | -8.7           | 1.78 V                   | 7                          | 48.5                   | 11.0                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



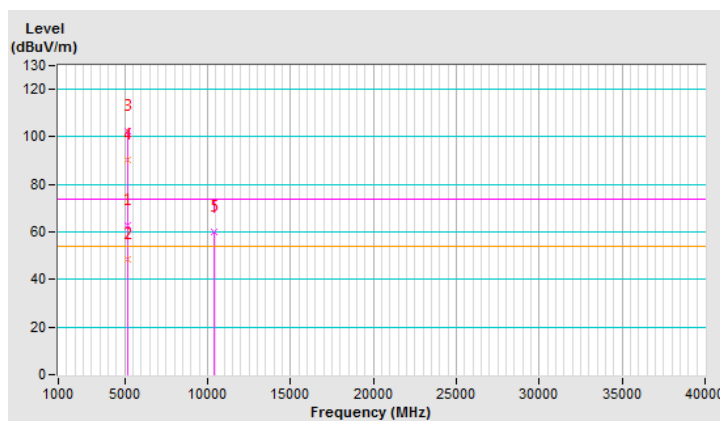
# 802.11ax (HE40)

|         |                  |         |                                                |
|---------|------------------|---------|------------------------------------------------|
| 操作模式：   | 發射               | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 38 : 5190 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C             | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 14 日  | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 5150.00     | 62.8 PK                 | 74.0           | -11.2       | 1.05 H             | 16                   | 52.3             | 10.5                     |
| 2                                                   | 5150.00     | 48.6 AV                 | 54.0           | -5.4        | 1.05 H             | 16                   | 38.1             | 10.5                     |
| 3                                                   | *5190.00    | 102.4 PK                |                |             | 1.05 H             | 16                   | 62.8             | 39.6                     |
| 4                                                   | *5190.00    | 90.5 AV                 |                |             | 1.05 H             | 16                   | 50.9             | 39.6                     |
| 5                                                   | #10380.00   | 60.1 PK                 | 68.2           | -8.1        | 2.15 H             | 150                  | 38.7             | 21.4                     |
|                                                     | 15570.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 20760.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 25950.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 31140.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 36330.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 36330.00    | -                       | -              | -           | -                  | -                    | -                | -                        |

## Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

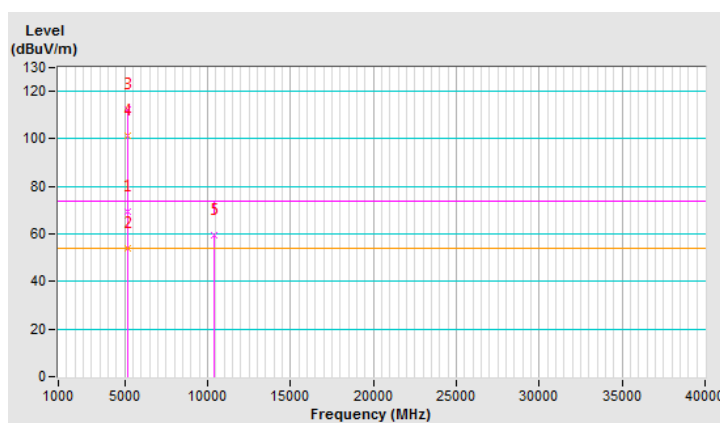


|         |                  |         |                                                |
|---------|------------------|---------|------------------------------------------------|
| 操作模式：   | 發射               | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 38 : 5190 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C             | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 14 日  | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 5150.00        | 69.4 PK                       | 74.0              | -4.6           | 1.00 V                   | 319                        | 58.9                   | 10.5                           |
| 2                                                 | 5150.00        | 53.9 AV                       | 54.0              | -0.1           | 1.00 V                   | 319                        | 43.4                   | 10.5                           |
| 3                                                 | *5190.00       | 112.1 PK                      |                   |                | 1.00 V                   | 319                        | 72.5                   | 39.6                           |
| 4                                                 | *5190.00       | 101.2 AV                      |                   |                | 1.00 V                   | 319                        | 61.6                   | 39.6                           |
| 5                                                 | #10380.00      | 59.5 PK                       | 68.2              | -8.7           | 2.11 V                   | 100                        | 38.1                   | 21.4                           |
|                                                   | 15570.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 20760.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 25950.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 31140.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 36330.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 36330.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

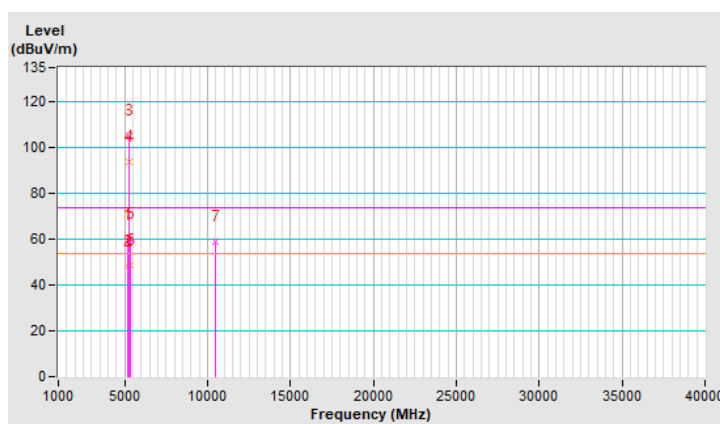


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 46：5230 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 59.4 PK                       | 74.0              | -14.6          | 1.00 H                   | 319                        | 48.9                   | 10.5                           |
| 2                                                   | 5150.00        | 48.0 AV                       | 54.0              | -6.0           | 1.00 H                   | 319                        | 37.5                   | 10.5                           |
| 3                                                   | *5230.00       | 105.4 PK                      |                   |                | 1.00 H                   | 25                         | 66.1                   | 39.3                           |
| 4                                                   | *5230.00       | 94.0 AV                       |                   |                | 1.00 H                   | 25                         | 54.7                   | 39.3                           |
| 5                                                   | 5350.00        | 59.8 PK                       | 74.0              | -14.2          | 1.00 H                   | 319                        | 49.9                   | 9.9                            |
| 6                                                   | 5350.00        | 48.4 AV                       | 54.0              | -5.6           | 1.00 H                   | 319                        | 38.5                   | 9.9                            |
| 7                                                   | #10460.00      | 59.2 PK                       | 74.0              | -14.8          | 1.55 H                   | 102                        | 38.1                   | 21.1                           |
|                                                     | 15690.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 20920.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 26150.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 31380.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 36610.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



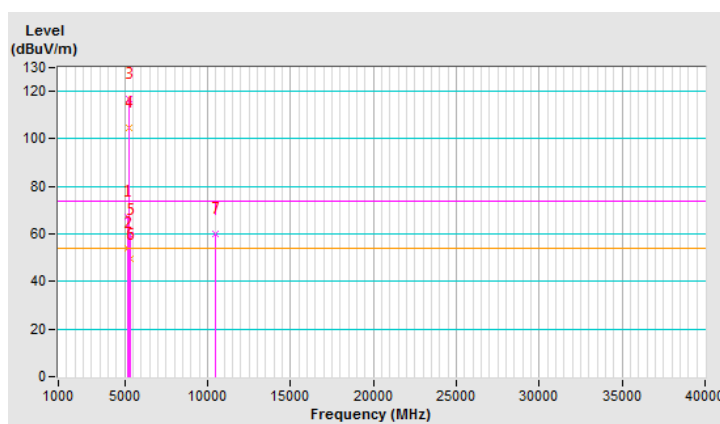
|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 46：5230 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 5150.00        | 67.4 PK                       | 74.0              | -6.6           | 1.00 V                   | 319                        | 56.9                   | 10.5                           |
| 2   | 5150.00        | 53.9 AV                       | 54.0              | -0.1           | 1.00 V                   | 319                        | 43.4                   | 10.5                           |
| 3   | *5230.00       | 117.0 PK                      |                   |                | 1.00 V                   | 319                        | 77.7                   | 39.3                           |
| 4   | *5230.00       | 104.6 AV                      |                   |                | 1.00 V                   | 319                        | 65.3                   | 39.3                           |
| 5   | 5350.00        | 59.6 PK                       | 74.0              | -14.4          | 1.00 V                   | 319                        | 49.7                   | 9.9                            |
| 6   | 5350.00        | 49.3 AV                       | 54.0              | -4.7           | 1.00 V                   | 319                        | 39.4                   | 9.9                            |
| 7   | #10460.00      | 60.1 PK                       | 68.2              | -8.1           | 2.11 V                   | 122                        | 39.0                   | 21.1                           |
|     | 15690.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 20920.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 26150.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 31380.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 36610.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

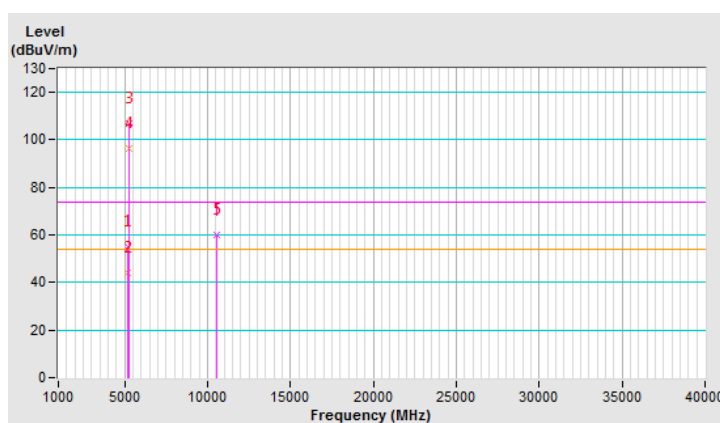


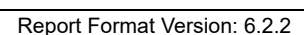
|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 54：5270 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 55.0 PK                       | 74.0              | -19.0          | 2.15 H                   | 23                         | 44.5                   | 10.5                           |
| 2                                                   | 5150.00        | 44.2 AV                       | 54.0              | -9.8           | 2.15 H                   | 23                         | 33.7                   | 10.5                           |
| 3                                                   | *5270.00       | 106.7 PK                      |                   |                | 2.15 H                   | 23                         | 67.5                   | 39.2                           |
| 4                                                   | *5270.00       | 96.6 AV                       |                   |                | 2.15 H                   | 23                         | 57.4                   | 39.2                           |
| 5                                                   | #10540.00      | 60.1 PK                       | 68.2              | -8.1           | 1.06 H                   | 139                        | 39.0                   | 21.1                           |
|                                                     | 15810.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 21080.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 26350.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 31620.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 36890.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



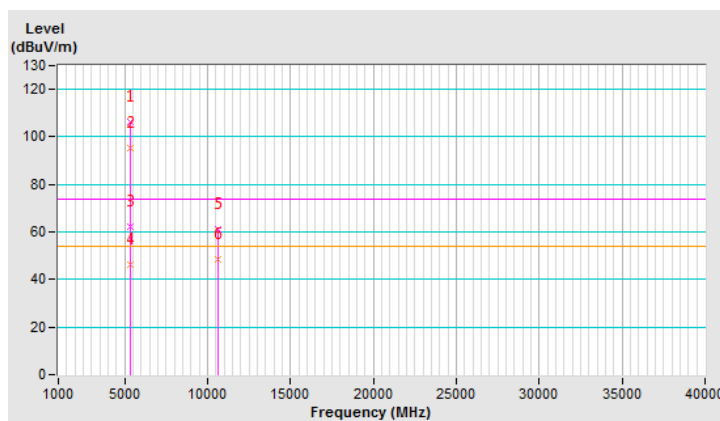


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 62：5310 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5310.00       | 106.3 PK                      |                   |                | 2.20 H                   | 13                         | 67.0                   | 39.3                           |
| 2                                                   | *5310.00       | 95.1 AV                       |                   |                | 2.20 H                   | 13                         | 55.8                   | 39.3                           |
| 3                                                   | 5350.00        | 62.0 PK                       | 74.0              | -12.0          | 2.20 H                   | 13                         | 52.1                   | 9.9                            |
| 4                                                   | 5350.00        | 46.3 AV                       | 54.0              | -7.7           | 2.20 H                   | 13                         | 36.4                   | 9.9                            |
| 5                                                   | 10620.00       | 60.9 PK                       | 74.0              | -13.1          | 1.33 H                   | 166                        | 39.0                   | 21.9                           |
| 6                                                   | 10620.00       | 48.2 AV                       | 54.0              | -5.8           | 1.33 H                   | 166                        | 26.3                   | 21.9                           |
|                                                     | 15930.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 21240.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 26550.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 31860.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 37170.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



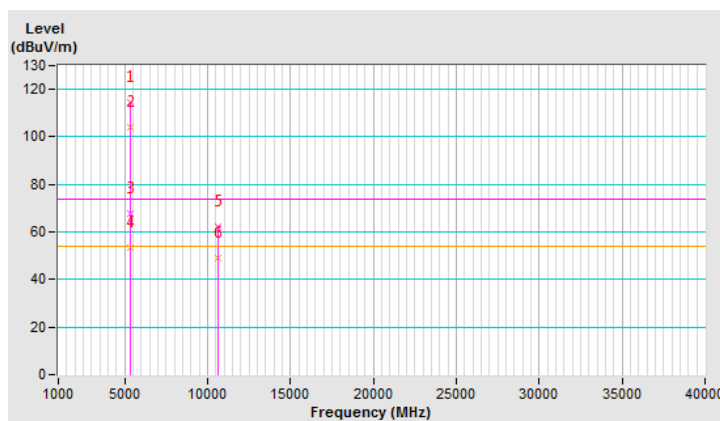
|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 62：5310 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | *5310.00       | 114.6 PK                      |                   |                | 2.32 V                   | 177                        | 75.3                   | 39.3                           |
| 2   | *5310.00       | 104.0 AV                      |                   |                | 2.32 V                   | 177                        | 64.7                   | 39.3                           |
| 3   | 5350.00        | 68.0 PK                       | 74.0              | -6.0           | 2.32 V                   | 177                        | 58.1                   | 9.9                            |
| 4   | 5350.00        | 53.5 AV                       | 54.0              | -0.5           | 2.32 V                   | 177                        | 43.6                   | 9.9                            |
| 5   | 10620.00       | 62.1 PK                       | 74.0              | -11.9          | 1.65 V                   | 107                        | 40.2                   | 21.9                           |
| 6   | 10620.00       | 49.3 AV                       | 54.0              | -4.7           | 1.65 V                   | 107                        | 27.4                   | 21.9                           |
|     | 15930.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 21240.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 26550.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 31860.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 37170.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

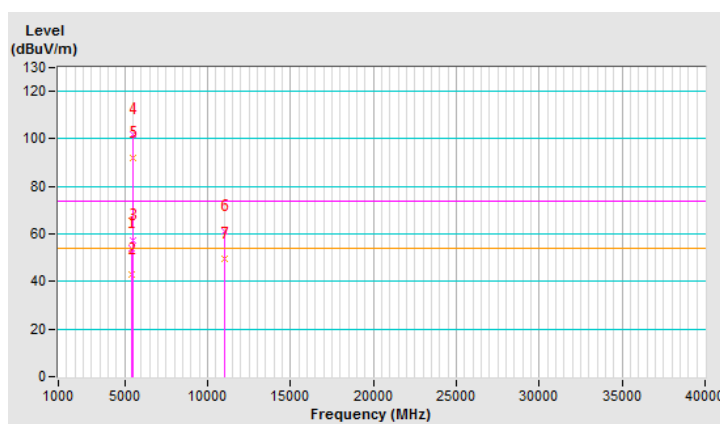


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 102：5510 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5460.00        | 54.2 PK                       | 74.0              | -19.8          | 1.00 H                   | 306                        | 43.9                   | 10.3                           |
| 2                                                   | 5460.00        | 43.2 AV                       | 54.0              | -10.8          | 1.00 H                   | 306                        | 32.9                   | 10.3                           |
| 3                                                   | #5470.00       | 57.2 PK                       | 68.2              | -11.0          | 1.00 H                   | 306                        | 46.9                   | 10.3                           |
| 4                                                   | *5510.00       | 102.1 PK                      |                   |                | 1.00 H                   | 306                        | 62.4                   | 39.7                           |
| 5                                                   | *5510.00       | 92.1 AV                       |                   |                | 1.00 H                   | 306                        | 52.4                   | 39.7                           |
| 6                                                   | 11020.00       | 61.2 PK                       | 74.0              | -12.8          | 1.36 H                   | 322                        | 38.8                   | 22.4                           |
| 7                                                   | 11020.00       | 49.7 AV                       | 54.0              | -4.3           | 1.36 H                   | 322                        | 27.3                   | 22.4                           |
|                                                     | 16530.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 22040.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 27550.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 33060.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 38570.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



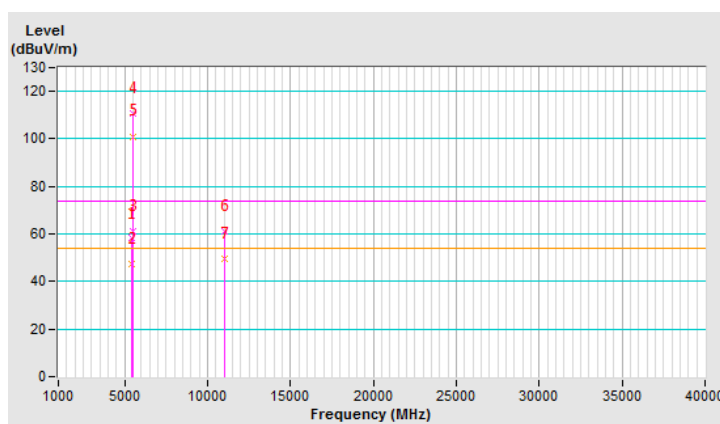
|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 102：5510 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 5460.00        | 58.1 PK                       | 74.0              | -15.9          | 1.00 V                   | 168                        | 47.8                   | 10.3                           |
| 2   | 5460.00        | 47.5 AV                       | 54.0              | -6.5           | 1.00 V                   | 168                        | 37.2                   | 10.3                           |
| 3   | #5470.00       | 61.1 PK                       | 68.2              | -7.1           | 1.00 V                   | 168                        | 50.8                   | 10.3                           |
| 4   | *5510.00       | 110.8 PK                      |                   |                | 1.00 V                   | 168                        | 71.1                   | 39.7                           |
| 5   | *5510.00       | 101.1 AV                      |                   |                | 1.00 V                   | 168                        | 61.4                   | 39.7                           |
| 6   | 11020.00       | 61.3 PK                       | 74.0              | -12.7          | 1.39 V                   | 105                        | 38.9                   | 22.4                           |
| 7   | 11020.00       | 49.6 AV                       | 54.0              | -4.4           | 1.39 V                   | 105                        | 27.2                   | 22.4                           |
|     | 16530.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 22040.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 27550.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 33060.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 38570.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

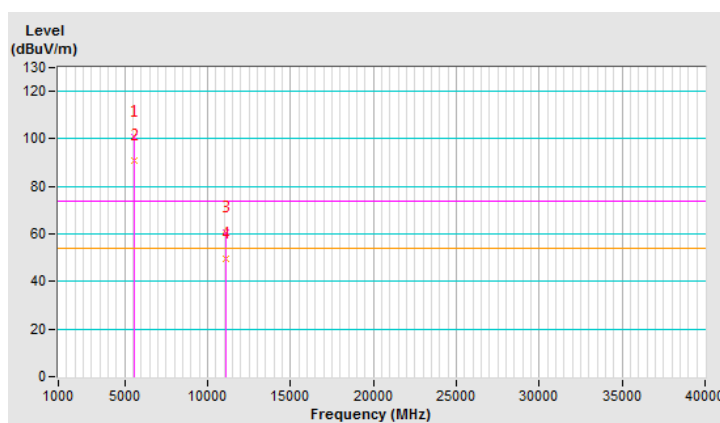


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 110：5550 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5550.00       | 100.8 PK                      |                   |                | 2.63 H                   | 239                        | 61.0                   | 39.8                           |
| 2                                                   | *5550.00       | 90.7 AV                       |                   |                | 2.63 H                   | 239                        | 50.9                   | 39.8                           |
| 3                                                   | 11100.00       | 60.6 PK                       | 74.0              | -13.4          | 2.19 H                   | 106                        | 38.2                   | 22.4                           |
| 4                                                   | 11100.00       | 49.7 AV                       | 54.0              | -4.3           | 2.19 H                   | 106                        | 27.3                   | 22.4                           |
|                                                     | 16650.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 22200.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 27750.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 33300.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 38850.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

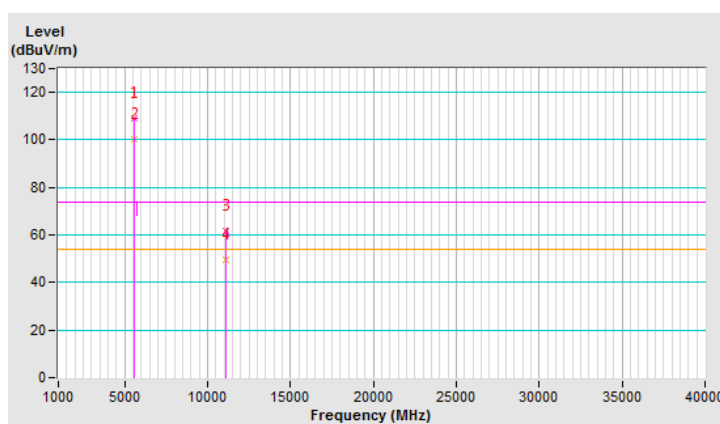


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 110：5550 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | *5550.00       | 109.0 PK                      |                   |                | 1.00 V                   | 172                        | 69.2                   | 39.8                           |
| 2                                                 | *5550.00       | 100.4 AV                      |                   |                | 1.00 V                   | 172                        | 60.6                   | 39.8                           |
| 3                                                 | 11100.00       | 61.7 PK                       | 74.0              | -12.3          | 1.69 V                   | 136                        | 39.3                   | 22.4                           |
| 4                                                 | 11100.00       | 49.7 AV                       | 54.0              | -4.3           | 1.69 V                   | 136                        | 27.3                   | 22.4                           |
|                                                   | 16650.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 22200.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 27750.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 33300.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 38850.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

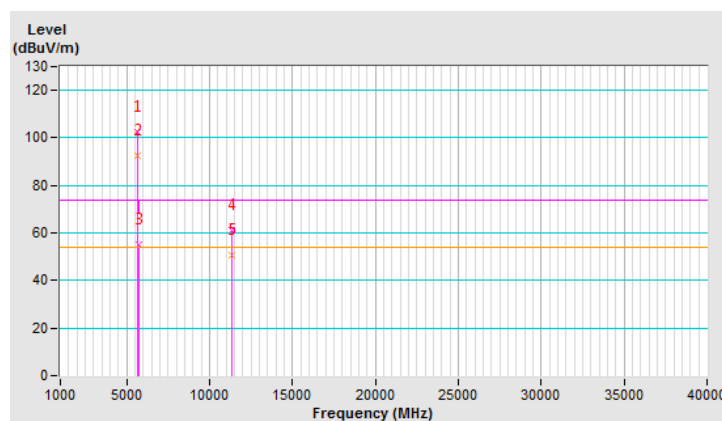


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 134：5670 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5670.00       | 102.2 PK                      |                   |                | 1.59 H                   | 306                        | 62.3                   | 39.9                           |
| 2                                                   | *5670.00       | 92.6 AV                       |                   |                | 1.59 H                   | 306                        | 52.7                   | 39.9                           |
| 3                                                   | #5725.00       | 55.0 PK                       | 68.2              | -13.2          | 1.59 H                   | 306                        | 44.6                   | 10.4                           |
| 4                                                   | 11340.00       | 61.0 PK                       | 74.0              | -13.0          | 2.16 H                   | 209                        | 38.3                   | 22.7                           |
| 5                                                   | 11340.00       | 50.8 AV                       | 54.0              | -3.2           | 2.16 H                   | 209                        | 28.1                   | 22.7                           |
|                                                     | 17010.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 22680.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 28350.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 34020.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 39690.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



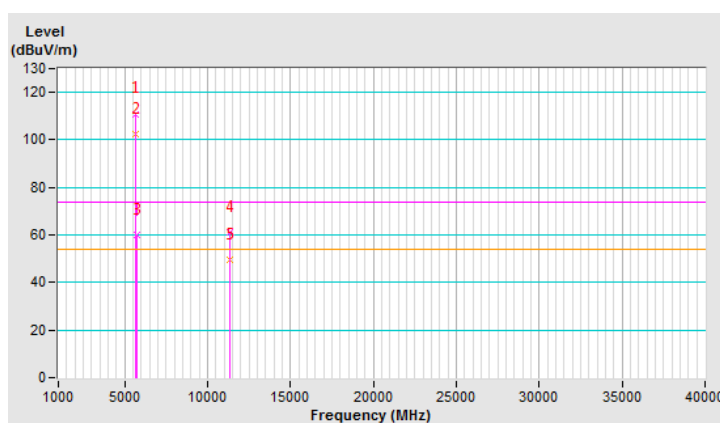
|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 134：5670 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | *5670.00       | 111.0 PK                      |                   |                | 1.00 V                   | 215                        | 71.1                   | 39.9                           |
| 2   | *5670.00       | 102.2 AV                      |                   |                | 1.00 V                   | 215                        | 62.3                   | 39.9                           |
| 3   | #5725.00       | 59.8 PK                       | 68.2              | -8.4           | 1.00 V                   | 215                        | 49.4                   | 10.4                           |
| 4   | 11340.00       | 61.4 PK                       | 74.0              | -12.6          | 1.06 V                   | 126                        | 38.7                   | 22.7                           |
| 5   | 11340.00       | 49.6 AV                       | 54.0              | -4.4           | 1.06 V                   | 126                        | 26.9                   | 22.7                           |
|     | 17010.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 22680.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 28350.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 34020.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 39690.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



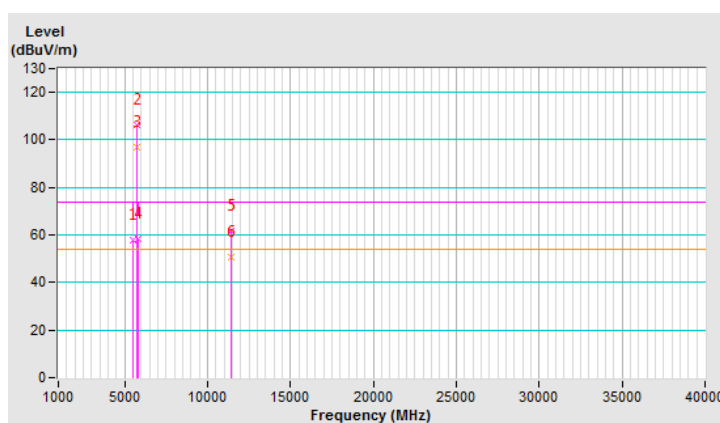
|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 142：5710 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

#### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | #5470.00       | 57.6 PK                       | 68.2              | -10.6          | 2.28 H                   | 41                         | 47.3                   | 10.3                           |
| 2   | *5710.00       | 106.4 PK                      |                   |                | 2.28 H                   | 41                         | 66.4                   | 40.0                           |
| 3   | *5710.00       | 96.8 AV                       |                   |                | 2.28 H                   | 41                         | 56.8                   | 40.0                           |
| 4   | #5850.00       | 58.2 PK                       | 68.2              | -10.0          | 2.28 H                   | 41                         | 47.0                   | 11.2                           |
| 5   | 11420.00       | 61.5 PK                       | 74.0              | -12.5          | 2.89 H                   | 310                        | 38.3                   | 23.2                           |
| 6   | 11420.00       | 50.8 AV                       | 54.0              | -3.2           | 2.89 H                   | 310                        | 27.6                   | 23.2                           |
|     | 17130.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 22840.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 28550.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 34260.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 39970.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

#### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



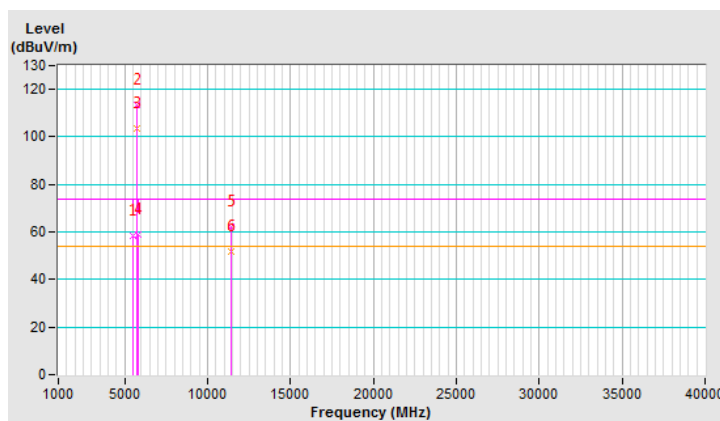
|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 142：5710 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | #5470.00       | 58.2 PK                       | 68.2              | -10.0          | 1.84 V                   | 9                          | 47.9                   | 10.3                           |
| 2   | *5710.00       | 113.4 PK                      |                   |                | 1.84 V                   | 9                          | 73.4                   | 40.0                           |
| 3   | *5710.00       | 103.4 AV                      |                   |                | 1.84 V                   | 9                          | 63.4                   | 40.0                           |
| 4   | #5850.00       | 58.7 PK                       | 68.2              | -9.5           | 1.84 V                   | 9                          | 47.5                   | 11.2                           |
| 5   | 11420.00       | 62.0 PK                       | 74.0              | -12.0          | 2.31 V                   | 147                        | 38.8                   | 23.2                           |
| 6   | 11420.00       | 51.6 AV                       | 54.0              | -2.4           | 2.31 V                   | 147                        | 28.4                   | 23.2                           |
|     | 17130.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 22840.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 28550.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 34260.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 39970.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

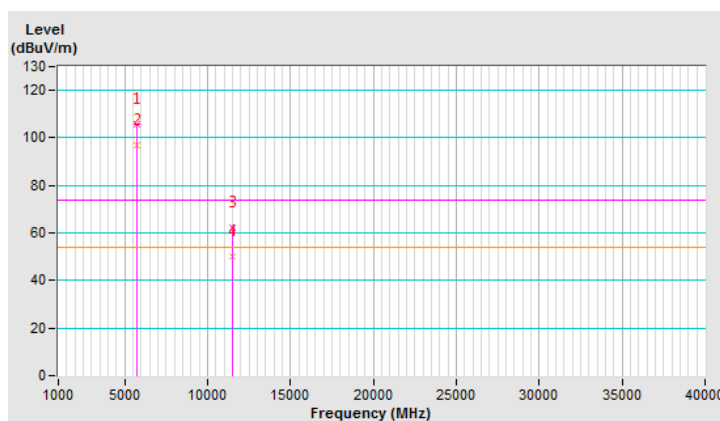


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 151：5755 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5755.00       | 106.0 PK                      |                   |                | 1.05 H                   | 105                        | 65.8                   | 40.2                           |
| 2                                                   | *5755.00       | 96.8 AV                       |                   |                | 1.05 H                   | 105                        | 56.6                   | 40.2                           |
| 3                                                   | 11510.00       | 62.0 PK                       | 74.0              | -12.0          | 1.22 H                   | 105                        | 39.0                   | 23.0                           |
| 4                                                   | 11510.00       | 50.0 AV                       | 54.0              | -4.0           | 1.22 H                   | 105                        | 27.0                   | 23.0                           |
|                                                     | 17265.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 23020.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 28775.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 34530.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



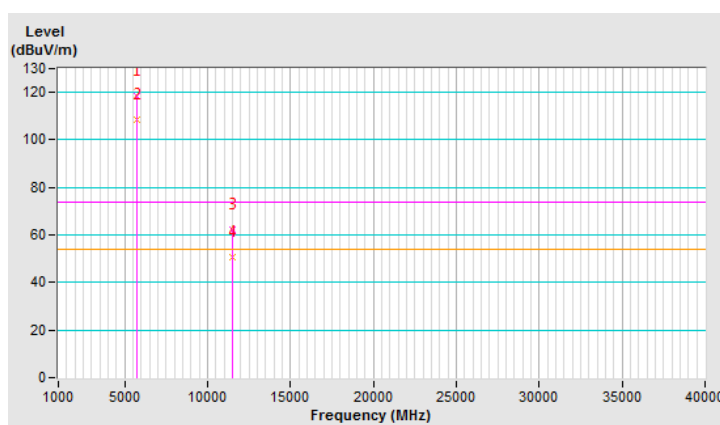
|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 151：5755 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日 | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | *5755.00       | 118.5 PK                      |                   |                | 1.75 V                   | 15                         | 78.3                   | 40.2                           |
| 2   | *5755.00       | 108.6 AV                      |                   |                | 1.75 V                   | 15                         | 68.4                   | 40.2                           |
| 3   | 11510.00       | 62.1 PK                       | 74.0              | -11.9          | 1.09 V                   | 151                        | 39.1                   | 23.0                           |
| 4   | 11510.00       | 50.5 AV                       | 54.0              | -3.5           | 1.09 V                   | 151                        | 27.5                   | 23.0                           |
|     | 17265.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 23020.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 28775.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 34530.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

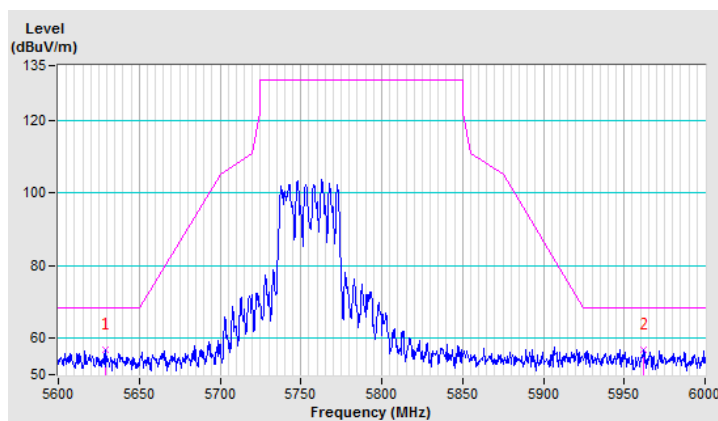


|         |                          |         |                                                |
|---------|--------------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                       | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 151 : 5755 MHz (OOBE) | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C                     | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日          | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5628.80       | 56.7 PK                       | 68.2              | -11.5          | 1.05 H                   | 105                        | 46.4                   | 10.3                           |
| 2                                                   | #5962.00       | 56.8 PK                       | 68.2              | -11.4          | 1.05 H                   | 105                        | 45.8                   | 11.0                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



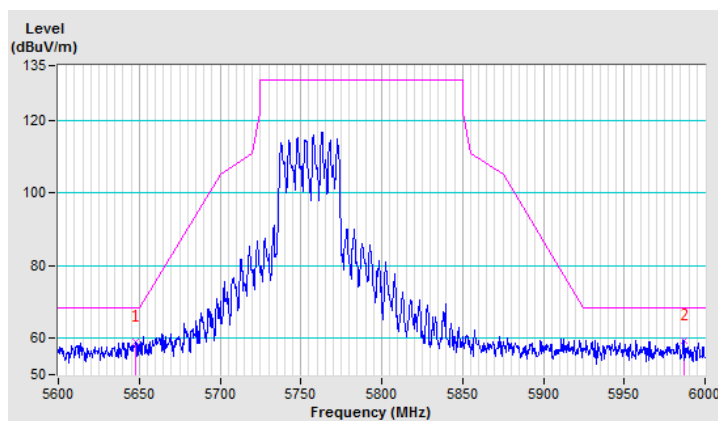
|         |                          |         |                                                |
|---------|--------------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                       | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 151 : 5755 MHz (OOBE) | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C                     | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日          | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | #5648.00       | 59.0 PK                       | 68.2              | -9.2           | 1.75 V                   | 15                         | 48.6                   | 10.4                           |
| 2   | #5986.80       | 59.5 PK                       | 68.2              | -8.7           | 1.75 V                   | 15                         | 48.6                   | 10.9                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

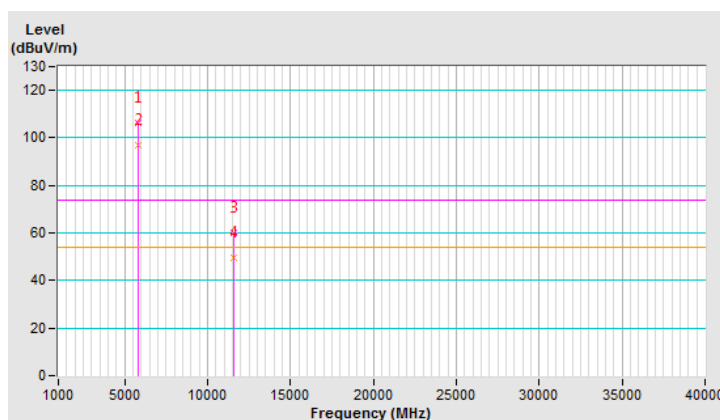


|         |                   |         |                                                |
|---------|-------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 159 : 5795 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C              | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日   | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5795.00       | 106.5 PK                      |                   |                | 1.25 H                   | 126                        | 65.9                   | 40.6                           |
| 2                                                   | *5795.00       | 96.7 AV                       |                   |                | 1.25 H                   | 126                        | 56.1                   | 40.6                           |
| 3                                                   | 11590.00       | 60.2 PK                       | 74.0              | -13.8          | 1.05 H                   | 117                        | 37.5                   | 22.7                           |
| 4                                                   | 11590.00       | 49.8 AV                       | 54.0              | -4.2           | 1.05 H                   | 117                        | 27.1                   | 22.7                           |
|                                                     | 17385.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 23180.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 28975.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 34770.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

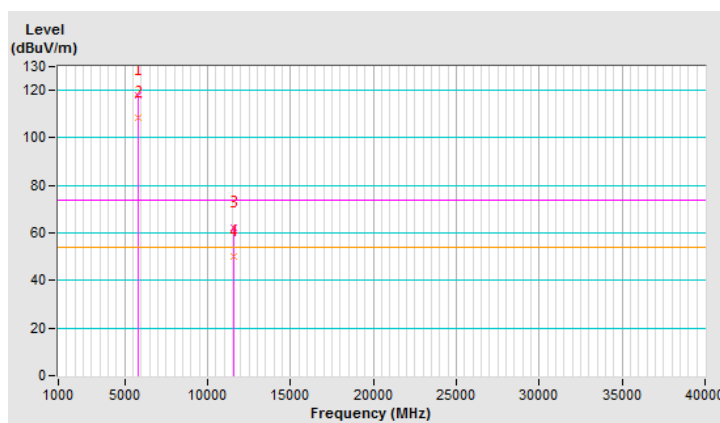


|         |                   |         |                                                |
|---------|-------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 159 : 5795 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C              | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日   | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | *5795.00       | 117.8 PK                      |                   |                | 1.75 V                   | 9                          | 77.2                   | 40.6                           |
| 2                                                 | *5795.00       | 108.4 AV                      |                   |                | 1.75 V                   | 9                          | 67.8                   | 40.6                           |
| 3                                                 | 11590.00       | 62.1 PK                       | 74.0              | -11.9          | 2.16 V                   | 152                        | 39.4                   | 22.7                           |
| 4                                                 | 11590.00       | 50.3 AV                       | 54.0              | -3.7           | 2.16 V                   | 152                        | 27.6                   | 22.7                           |
|                                                   | 17385.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 23180.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 28975.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 34770.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

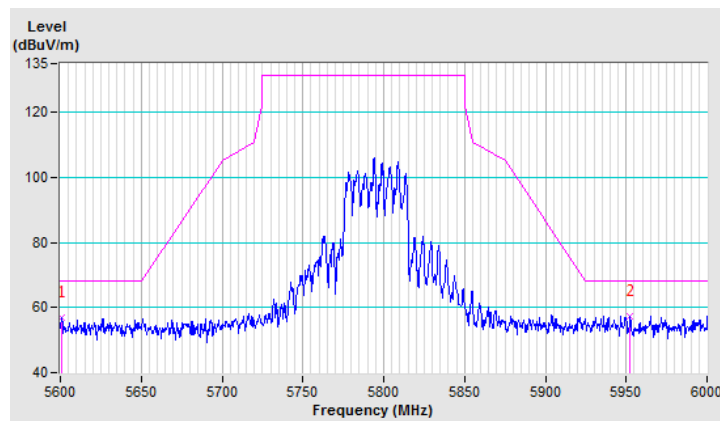


|         |                          |         |                                                |
|---------|--------------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                       | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 159 : 5795 MHz (OOBE) | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C                     | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日          | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5601.20       | 56.9 PK                       | 68.2              | -11.3          | 1.25 H                   | 126                        | 46.5                   | 10.4                           |
| 2                                                   | #5952.40       | 57.4 PK                       | 68.2              | -10.8          | 1.25 H                   | 126                        | 46.4                   | 11.0                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



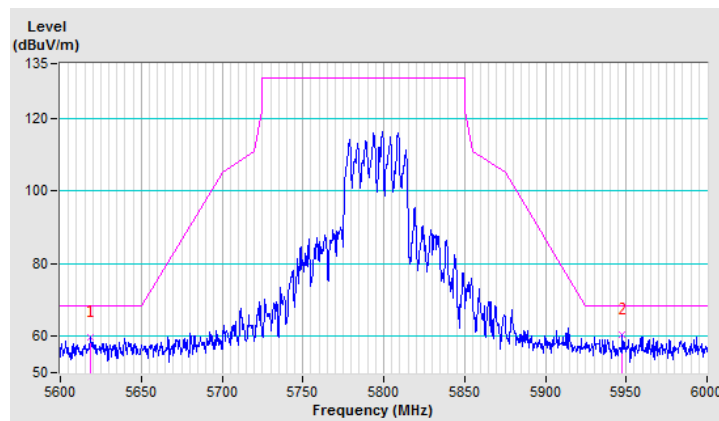
|         |                          |         |                                                |
|---------|--------------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                       | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 159 : 5795 MHz (OOBE) | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C                     | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日          | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | #5618.40       | 59.7 PK                       | 68.2              | -8.5           | 1.75 V                   | 9                          | 49.3                   | 10.4                           |
| 2   | #5947.60       | 60.5 PK                       | 68.2              | -7.7           | 1.75 V                   | 9                          | 49.6                   | 10.9                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



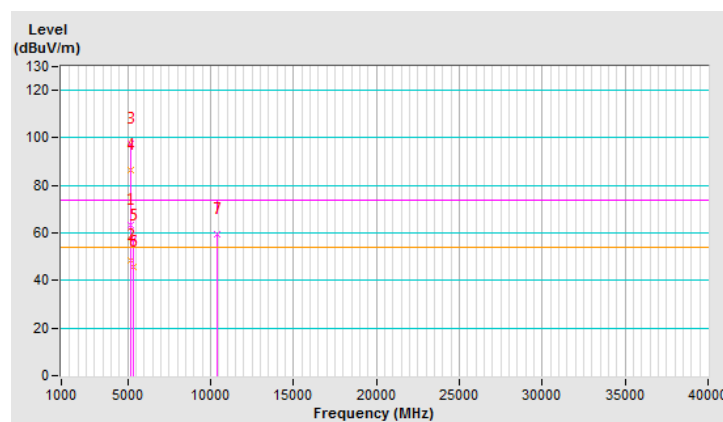
# 802.11ax (HE80)

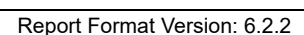
|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 42：5210 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=3kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 14 日 | 測試者：    | 張家誠                                            |

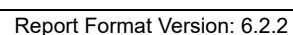
| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 63.2 PK                       | 74.0              | -10.8          | 1.00 H                   | 10                         | 52.7                   | 10.5                           |
| 2                                                   | 5150.00        | 48.5 AV                       | 54.0              | -5.5           | 1.00 H                   | 10                         | 38.0                   | 10.5                           |
| 3                                                   | *5210.00       | 97.3 PK                       |                   |                | 1.00 H                   | 10                         | 57.8                   | 39.5                           |
| 4                                                   | *5210.00       | 86.7 AV                       |                   |                | 1.00 H                   | 10                         | 47.2                   | 39.5                           |
| 5                                                   | 5350.00        | 57.0 PK                       | 74.0              | -17.0          | 1.00 H                   | 10                         | 47.1                   | 9.9                            |
| 6                                                   | 5350.00        | 45.7 AV                       | 54.0              | -8.3           | 1.00 H                   | 10                         | 35.8                   | 9.9                            |
| 7                                                   | #10420.00      | 59.7 PK                       | 68.2              | -8.5           | 2.15 H                   | 215                        | 38.2                   | 21.5                           |
|                                                     | 15630.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 20840.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 26050.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 31260.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 36470.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

## Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.







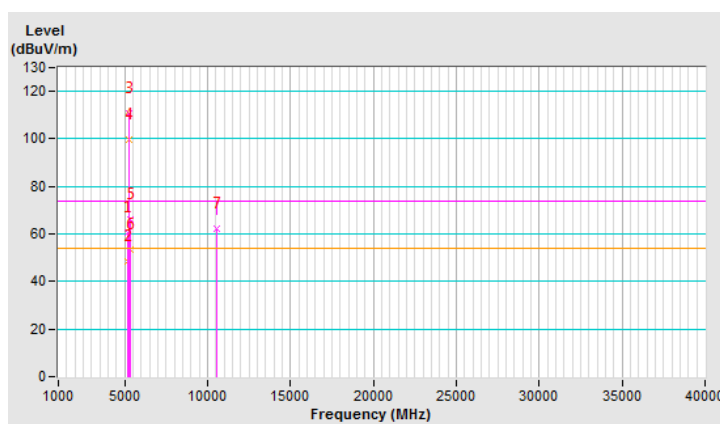
|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 58：5290 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=3kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 5150.00        | 60.4 PK                       | 74.0              | -13.6          | 2.33 V                   | 187                        | 49.9                   | 10.5                           |
| 2   | 5150.00        | 48.6 AV                       | 54.0              | -5.4           | 2.33 V                   | 187                        | 38.1                   | 10.5                           |
| 3   | *5290.00       | 110.5 PK                      |                   |                | 2.33 V                   | 187                        | 71.2                   | 39.3                           |
| 4   | *5290.00       | 99.7 AV                       |                   |                | 2.33 V                   | 187                        | 60.4                   | 39.3                           |
| 5   | 5350.00        | 66.1 PK                       | 74.0              | -7.9           | 2.33 V                   | 187                        | 56.2                   | 9.9                            |
| 6   | 5350.00        | 53.4 AV                       | 54.0              | -0.6           | 2.33 V                   | 187                        | 43.5                   | 9.9                            |
| 7   | #10580.00      | 62.4 PK                       | 68.2              | -5.8           | 1.59 V                   | 106                        | 40.8                   | 21.6                           |
|     | 15870.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 21160.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 26450.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 31740.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 37030.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

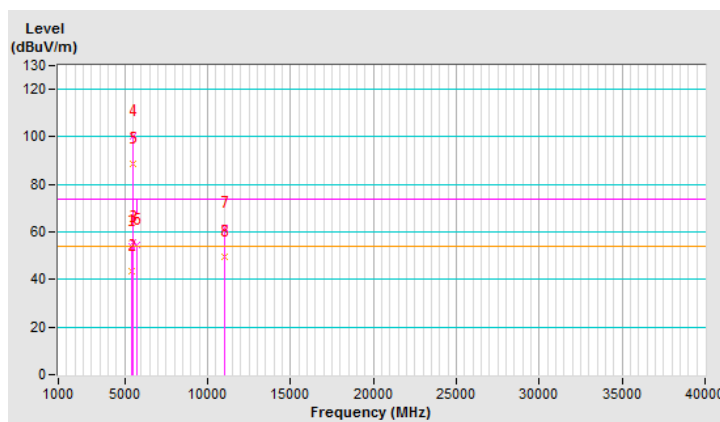


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 106：5530 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5460.00        | 54.1 PK                       | 74.0              | -19.9          | 1.23 H                   | 136                        | 43.8                   | 10.3                           |
| 2                                                   | 5460.00        | 43.4 AV                       | 54.0              | -10.6          | 1.23 H                   | 136                        | 33.1                   | 10.3                           |
| 3                                                   | #5470.00       | 55.8 PK                       | 68.2              | -12.4          | 1.23 H                   | 136                        | 45.5                   | 10.3                           |
| 4                                                   | *5530.00       | 100.2 PK                      |                   |                | 1.00 H                   | 168                        | 60.5                   | 39.7                           |
| 5                                                   | *5530.00       | 88.9 AV                       |                   |                | 1.00 H                   | 168                        | 49.2                   | 39.7                           |
| 6                                                   | #5725.00       | 54.3 PK                       | 68.2              | -13.9          | 1.23 H                   | 136                        | 43.9                   | 10.4                           |
| 7                                                   | 11060.00       | 61.5 PK                       | 74.0              | -12.5          | 1.32 H                   | 205                        | 39.2                   | 22.3                           |
| 8                                                   | 11060.00       | 49.6 AV                       | 54.0              | -4.4           | 1.32 H                   | 205                        | 27.3                   | 22.3                           |
|                                                     | 16590.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 22120.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 27650.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 33180.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 38710.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

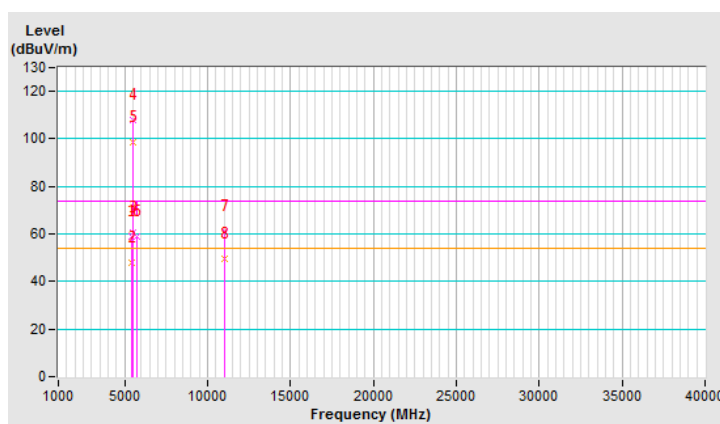


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 106：5530 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 5460.00        | 58.9 PK                       | 74.0              | -15.1          | 1.00 V                   | 168                        | 48.6                   | 10.3                           |
| 2                                                 | 5460.00        | 47.7 AV                       | 54.0              | -6.3           | 1.00 V                   | 168                        | 37.4                   | 10.3                           |
| 3                                                 | #5470.00       | 60.5 PK                       | 68.2              | -7.7           | 1.00 V                   | 168                        | 50.2                   | 10.3                           |
| 4                                                 | *5530.00       | 107.7 PK                      |                   |                | 1.00 V                   | 168                        | 68.0                   | 39.7                           |
| 5                                                 | *5530.00       | 98.6 AV                       |                   |                | 1.00 V                   | 168                        | 58.9                   | 39.7                           |
| 6                                                 | #5725.00       | 59.1 PK                       | 68.2              | -9.1           | 1.00 V                   | 168                        | 48.7                   | 10.4                           |
| 7                                                 | 11060.00       | 61.3 PK                       | 74.0              | -12.7          | 3.16 V                   | 300                        | 39.0                   | 22.3                           |
| 8                                                 | 11060.00       | 49.4 AV                       | 54.0              | -4.6           | 3.16 V                   | 300                        | 27.1                   | 22.3                           |
|                                                   | 16590.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 22120.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 27650.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 33180.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 38710.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

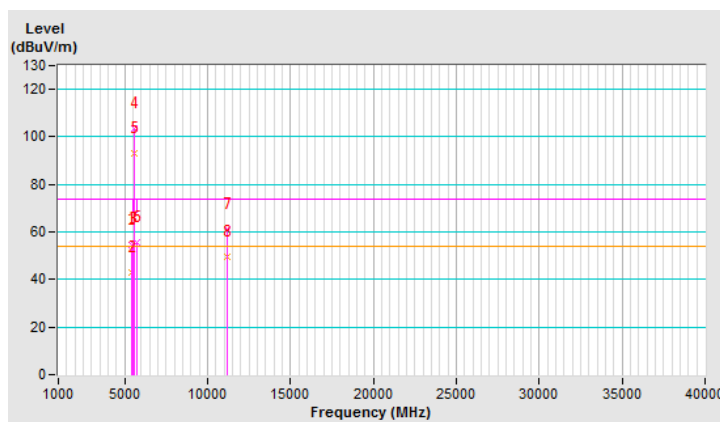


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 122：5610 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5460.00        | 54.4 PK                       | 74.0              | -19.6          | 1.56 H                   | 166                        | 44.1                   | 10.3                           |
| 2                                                   | 5460.00        | 43.2 AV                       | 54.0              | -10.8          | 1.56 H                   | 166                        | 32.9                   | 10.3                           |
| 3                                                   | #5470.00       | 55.3 PK                       | 68.2              | -12.9          | 1.56 H                   | 166                        | 45.0                   | 10.3                           |
| 4                                                   | *5610.00       | 103.7 PK                      |                   |                | 1.56 H                   | 166                        | 63.8                   | 39.9                           |
| 5                                                   | *5610.00       | 93.1 AV                       |                   |                | 1.56 H                   | 166                        | 53.2                   | 39.9                           |
| 6                                                   | #5725.00       | 55.8 PK                       | 68.2              | -12.4          | 1.56 H                   | 166                        | 45.4                   | 10.4                           |
| 7                                                   | 11220.00       | 61.2 PK                       | 74.0              | -12.8          | 1.39 H                   | 159                        | 38.9                   | 22.3                           |
| 8                                                   | 11220.00       | 49.6 AV                       | 54.0              | -4.4           | 1.39 H                   | 159                        | 27.3                   | 22.3                           |
|                                                     | 16830.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 22440.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 28050.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 33660.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 39270.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

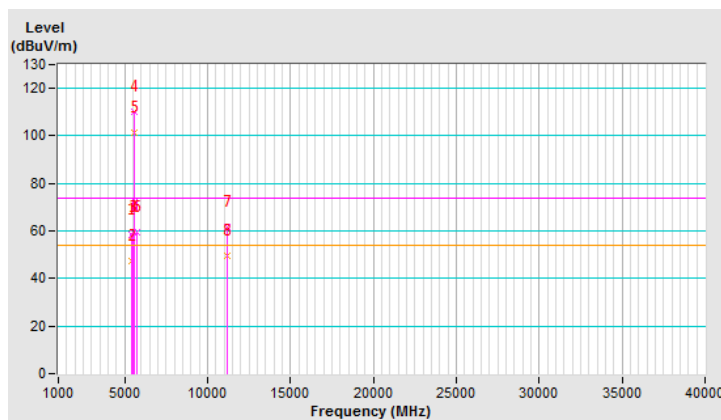


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 122：5610 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 5460.00        | 58.2 PK                       | 74.0              | -15.8          | 2.42 V                   | 9                          | 47.9                   | 10.3                           |
| 2                                                 | 5460.00        | 47.3 AV                       | 54.0              | -6.7           | 2.42 V                   | 9                          | 37.0                   | 10.3                           |
| 3                                                 | #5470.00       | 59.5 PK                       | 68.2              | -8.7           | 2.42 V                   | 9                          | 49.2                   | 10.3                           |
| 4                                                 | *5610.00       | 109.9 PK                      |                   |                | 2.42 V                   | 9                          | 70.0                   | 39.9                           |
| 5                                                 | *5610.00       | 101.2 AV                      |                   |                | 2.42 V                   | 9                          | 61.3                   | 39.9                           |
| 6                                                 | #5725.00       | 59.6 PK                       | 68.2              | -8.6           | 2.42 V                   | 9                          | 49.2                   | 10.4                           |
| 7                                                 | 11220.00       | 61.5 PK                       | 74.0              | -12.5          | 1.36 V                   | 108                        | 39.2                   | 22.3                           |
| 8                                                 | 11220.00       | 49.8 AV                       | 54.0              | -4.2           | 1.36 V                   | 108                        | 27.5                   | 22.3                           |
|                                                   | 16830.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 22440.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 28050.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 33660.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 39270.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



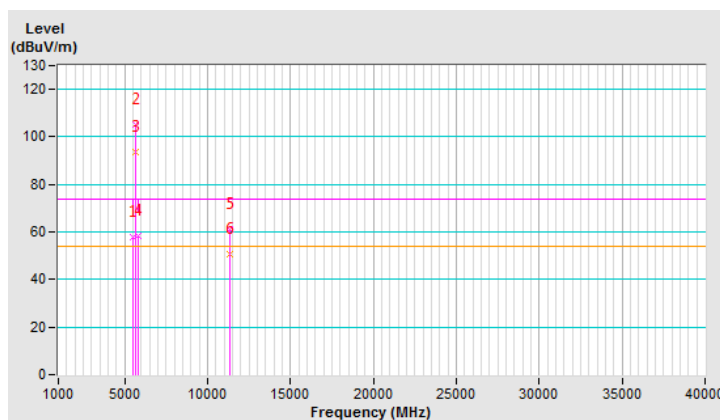
|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 138：5690 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | #5470.00       | 57.8 PK                       | 68.2              | -10.4          | 2.48 H                   | 33                         | 47.5                   | 10.3                           |
| 2   | *5690.00       | 105.3 PK                      |                   |                | 2.48 H                   | 33                         | 65.3                   | 40.0                           |
| 3   | *5690.00       | 93.5 AV                       |                   |                | 2.48 H                   | 33                         | 53.5                   | 40.0                           |
| 4   | #5850.00       | 58.4 PK                       | 68.2              | -9.8           | 2.48 H                   | 33                         | 47.2                   | 11.2                           |
| 5   | 11380.00       | 61.0 PK                       | 74.0              | -13.0          | 1.02 H                   | 217                        | 38.0                   | 23.0                           |
| 6   | 11380.00       | 50.6 AV                       | 54.0              | -3.4           | 1.02 H                   | 217                        | 27.6                   | 23.0                           |
|     | 17070.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 22760.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 28450.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 34140.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 39830.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



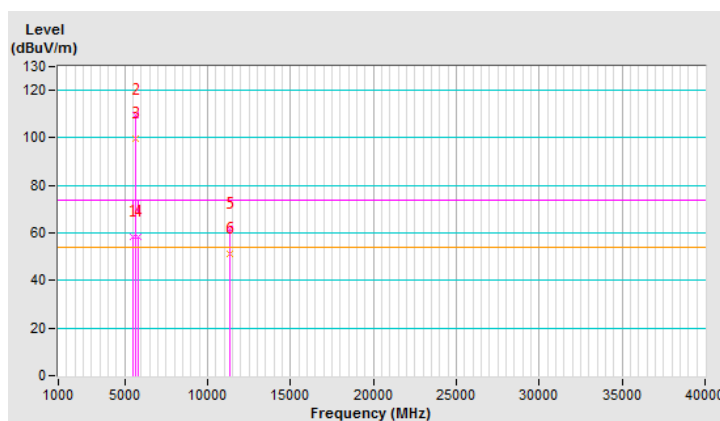
|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 138：5690 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | #5470.00       | 58.2 PK                       | 68.2              | -10.0          | 1.77 V                   | 10                         | 47.9                   | 10.3                           |
| 2   | *5690.00       | 109.7 PK                      |                   |                | 1.77 V                   | 10                         | 69.7                   | 40.0                           |
| 3   | *5690.00       | 99.8 AV                       |                   |                | 1.77 V                   | 10                         | 59.8                   | 40.0                           |
| 4   | #5850.00       | 58.6 PK                       | 68.2              | -9.6           | 1.77 V                   | 10                         | 47.4                   | 11.2                           |
| 5   | 11380.00       | 61.5 PK                       | 74.0              | -12.5          | 1.65 V                   | 220                        | 38.5                   | 23.0                           |
| 6   | 11380.00       | 51.1 AV                       | 54.0              | -2.9           | 1.65 V                   | 220                        | 28.1                   | 23.0                           |
|     | 17070.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 22760.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 28450.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 34140.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|     | 39830.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

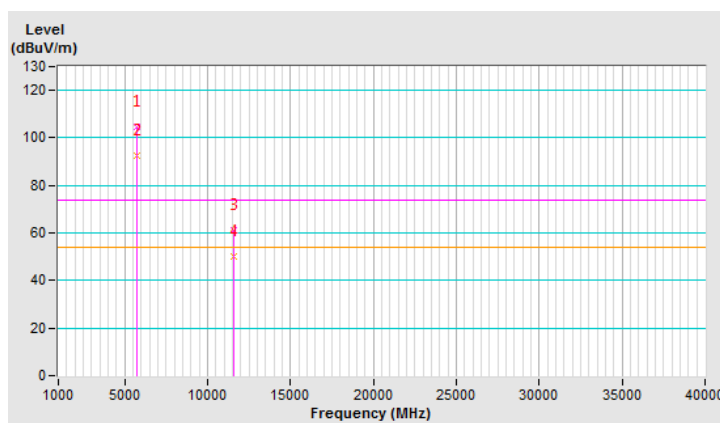


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 155：5775 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5775.00       | 104.8 PK                      |                   |                | 1.05 H                   | 147                        | 64.5                   | 40.3                           |
| 2                                                   | *5775.00       | 92.6 AV                       |                   |                | 1.05 H                   | 147                        | 52.3                   | 40.3                           |
| 3                                                   | 11550.00       | 61.0 PK                       | 74.0              | -13.0          | 1.24 H                   | 110                        | 38.1                   | 22.9                           |
| 4                                                   | 11550.00       | 49.9 AV                       | 54.0              | -4.1           | 1.24 H                   | 110                        | 27.0                   | 22.9                           |
|                                                     | 17325.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 23100.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 28875.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                     | 34650.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

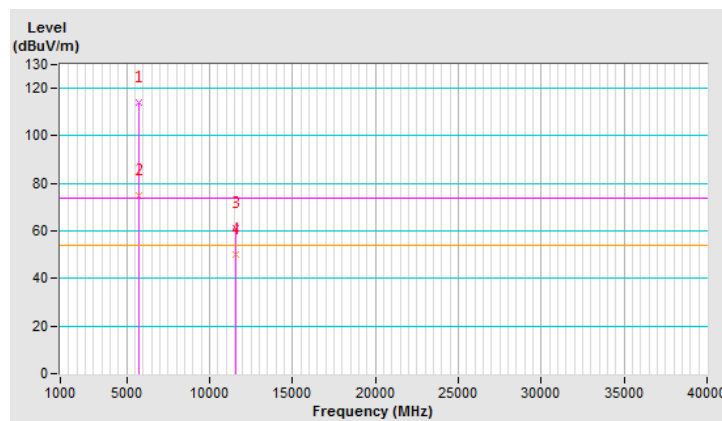


|         |                   |         |                                                |
|---------|-------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 155 : 5775 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C              | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日   | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | *5775.00       | 114.0 PK                      |                   |                | 1.73 V                   | 13                         | 73.7                   | 40.3                           |
| 2                                                 | *5775.00       | 74.7 AV                       |                   |                | 1.73 V                   | 13                         | 64.1                   | 10.6                           |
| 3                                                 | 11550.00       | 61.4 PK                       | 74.0              | -12.6          | 1.69 V                   | 321                        | 38.5                   | 22.9                           |
| 4                                                 | 11550.00       | 50.1 AV                       | 54.0              | -3.9           | 1.69 V                   | 321                        | 27.2                   | 22.9                           |
|                                                   | 17325.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 23100.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 28875.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 34650.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

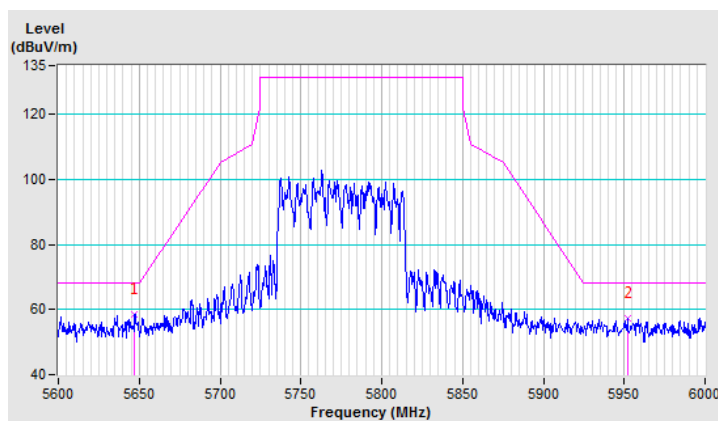


|         |                          |         |                                                |
|---------|--------------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                       | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 155 : 5775 MHz (OOBE) | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C                     | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日          | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5647.20       | 58.7 PK                       | 68.2              | -9.5           | 1.05 H                   | 147                        | 48.3                   | 10.4                           |
| 2                                                   | #5952.00       | 57.4 PK                       | 68.2              | -10.8          | 1.05 H                   | 147                        | 46.4                   | 11.0                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



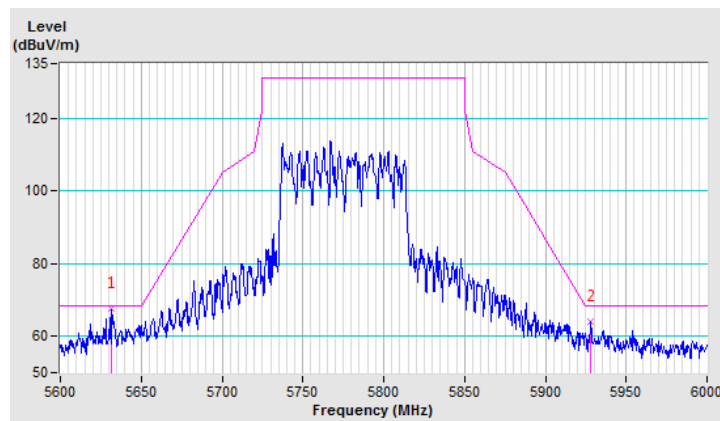
|         |                          |         |                                                |
|---------|--------------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                       | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 155 : 5775 MHz (OOBE) | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10Hz |
| 量測場地溫度： | 25°C                     | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 15 日          | 測試者：    | 張家誠                                            |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | #5631.60       | 67.6 PK                       | 68.2              | -0.6           | 1.73 V                   | 13                         | 57.3                   | 10.3                           |
| 2   | #5928.00       | 64.0 PK                       | 68.2              | -4.2           | 1.73 V                   | 13                         | 53.0                   | 11.0                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



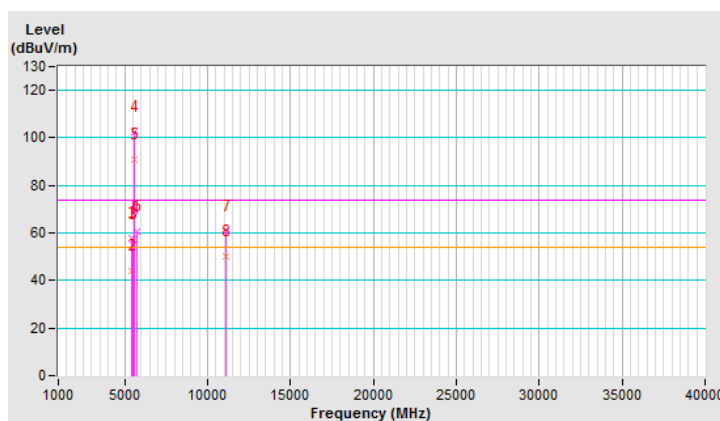
# 802.11ax (HE160)

|               |                   |               |                                                |
|---------------|-------------------|---------------|------------------------------------------------|
| 操 作 模 式 :     | 發射                | 調 變 技 術 :     | OFDMA                                          |
| 基 本 波 頻 率 :   | CH 114 : 5570 MHz | 測 試 儀 器 :     | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=3kHz |
| 量 測 場 地 溫 度 : | 25°C              | 量 測 場 地 濕 度 : | 70%RH                                          |
| 測 試 日 期 :     | 109 年 07 月 28 日   | 測 試 者 :       | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 5460.00     | 58.0 PK                 | 74.0           | -16.0       | 2.41 H             | 39                   | 47.7             | 10.3                     |
| 2                                                   | 5460.00     | 44.0 AV                 | 54.0           | -10.0       | 2.41 H             | 39                   | 33.7             | 10.3                     |
| 3                                                   | #5470.00    | 57.4 PK                 | 68.2           | -10.8       | 2.41 H             | 39                   | 47.1             | 10.3                     |
| 4                                                   | *5570.00    | 102.3 PK                |                |             | 2.41 H             | 39                   | 62.5             | 39.8                     |
| 5                                                   | *5570.00    | 90.7 AV                 |                |             | 2.41 H             | 39                   | 50.9             | 39.8                     |
| 6                                                   | #5725.00    | 60.7 PK                 | 68.2           | -7.5        | 2.41 H             | 39                   | 50.3             | 10.4                     |
| 7                                                   | 11140.00    | 60.4 PK                 | 74.0           | -13.6       | 3.19 H             | 145                  | 38.0             | 22.4                     |
| 8                                                   | 11140.00    | 50.2 AV                 | 54.0           | -3.8        | 3.19 H             | 145                  | 27.8             | 22.4                     |
|                                                     | 16710.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 22280.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 27850.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 33420.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
|                                                     | 38990.00    | -                       | -              | -           | -                  | -                    | -                | -                        |

## Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

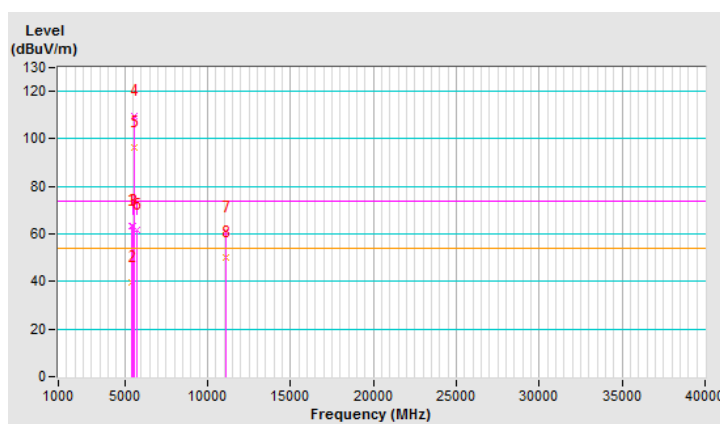


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 114：5570 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=3kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 07 月 28 日 | 測試者：    | 張家誠                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 5460.00        | 63.6 PK                       | 74.0              | -10.4          | 1.67 V                   | 2                          | 53.3                   | 10.3                           |
| 2                                                 | 5460.00        | 39.5 AV                       | 54.0              | -14.5          | 1.67 V                   | 2                          | 29.2                   | 10.3                           |
| 3                                                 | #5470.00       | 63.4 PK                       | 68.2              | -4.8           | 1.67 V                   | 2                          | 53.1                   | 10.3                           |
| 4                                                 | *5570.00       | 109.5 PK                      |                   |                | 1.67 V                   | 2                          | 69.7                   | 39.8                           |
| 5                                                 | *5570.00       | 96.5 AV                       |                   |                | 1.67 V                   | 2                          | 56.7                   | 39.8                           |
| 6                                                 | #5725.00       | 61.5 PK                       | 68.2              | -6.7           | 1.67 V                   | 2                          | 51.1                   | 10.4                           |
| 7                                                 | 11140.00       | 60.8 PK                       | 74.0              | -13.2          | 2.33 V                   | 140                        | 38.4                   | 22.4                           |
| 8                                                 | 11140.00       | 50.4 AV                       | 54.0              | -3.6           | 2.33 V                   | 140                        | 28.0                   | 22.4                           |
|                                                   | 16710.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 22280.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 27850.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 33420.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
|                                                   | 38990.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



## 9.6.2 接收諧波

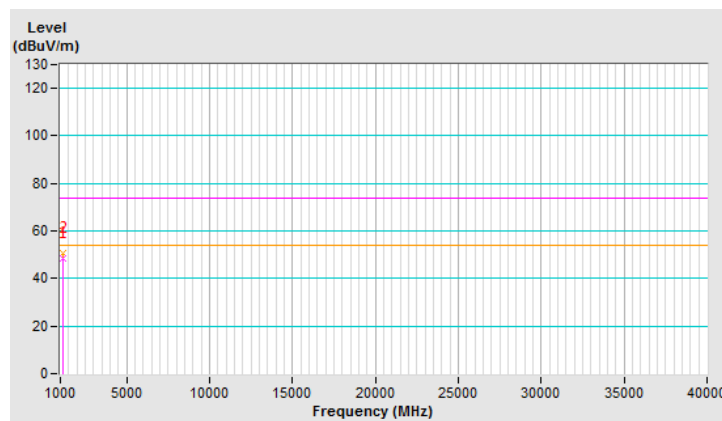
802.11a

|               |                  |               |                                                      |
|---------------|------------------|---------------|------------------------------------------------------|
| 操 作 模 式 :     | 接收               |               |                                                      |
| 基 本 波 頻 率 :   | CH 44 : 5220 MHz | 測 試 儀 器 :     | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=3MHz (RMS) |
| 量 測 場 地 溫 度 : | 25°C             | 量 測 場 地 濕 度 : | 70%RH                                                |
| 測 試 日 期 :     | 109 年 07 月 29 日  | 測 試 者 :       | 張家誠                                                  |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 1125.00        | 48.6 PK                       | 74.0              | -25.4          | 1.77 H                   | 212                        | 52.6                   | -4.0                           |
| 2                                                   | 1125.00        | 50.6 AV                       | 54.0              | -3.4           | 1.77 H                   | 212                        | 54.6                   | -4.0                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

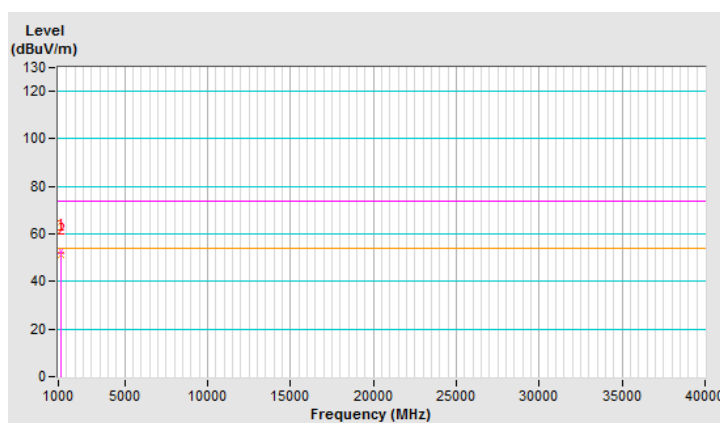


|         |                  |         |                                                      |
|---------|------------------|---------|------------------------------------------------------|
| 操作模式：   | 接收               |         |                                                      |
| 基本波頻率：  | CH 44 : 5220 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=3MHz (RMS) |
| 量測場地溫度： | 25°C             | 量測場地濕度： | 70%RH                                                |
| 測試日期：   | 109 年 07 月 29 日  | 測試者：    | 張家誠                                                  |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 1125.00        | 52.9 PK                       | 74.0              | -21.1          | 1.02 V                   | 344                        | 56.9                   | -4.0                           |
| 2                                                 | 1125.00        | 51.5 AV                       | 54.0              | -2.5           | 1.02 V                   | 344                        | 55.5                   | -4.0                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value



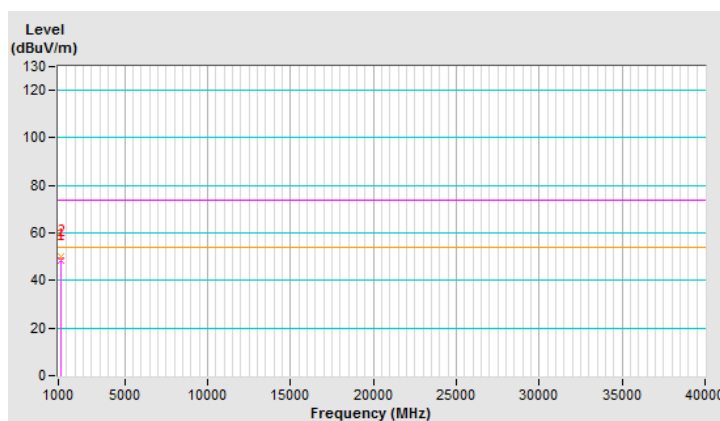
# 802.11ax (HE20)

|               |                   |               |                                                      |
|---------------|-------------------|---------------|------------------------------------------------------|
| 操 作 模 式 :     | 接收                |               |                                                      |
| 基 本 波 頻 率 :   | CH 149 : 5745 MHz | 測 試 儀 器 :     | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=3MHz (RMS) |
| 量 測 場 地 溫 度 : | 25°C              | 量 測 場 地 濕 度 : | 70%RH                                                |
| 測 試 日 期 :     | 109 年 07 月 29 日   | 測 試 者 :       | 張家誠                                                  |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 1125.00        | 48.3 PK                       | 74.0              | -25.7          | 1.56 H                   | 211                        | 52.3                   | -4.0                           |
| 2                                                   | 1125.00        | 50.4 AV                       | 54.0              | -3.6           | 1.56 H                   | 211                        | 54.4                   | -4.0                           |

## Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

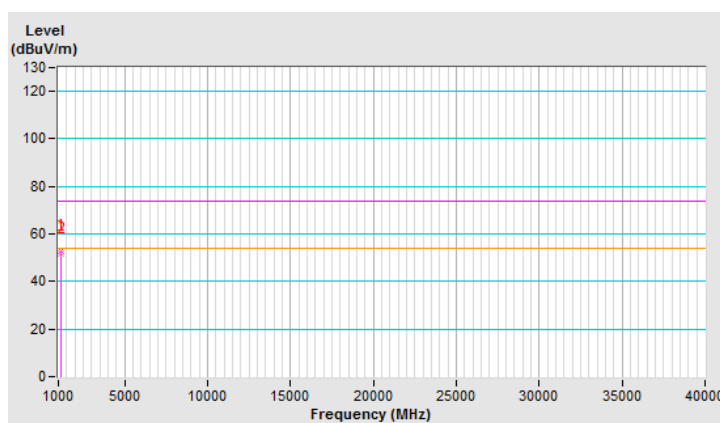


|         |                   |         |                                                      |
|---------|-------------------|---------|------------------------------------------------------|
| 操作模式：   | 接收                |         |                                                      |
| 基本波頻率：  | CH 149 : 5745 MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=3MHz (RMS) |
| 量測場地溫度： | 25°C              | 量測場地濕度： | 70%RH                                                |
| 測試日期：   | 109 年 07 月 29 日   | 測試者：    | 張家誠                                                  |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 1125.00        | 52.9 PK                       | 74.0              | -21.1          | 1.19 V                   | 336                        | 56.9                   | -4.0                           |
| 2                                                 | 1125.00        | 51.6 AV                       | 54.0              | -2.4           | 1.19 V                   | 336                        | 55.6                   | -4.0                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value



### 9.6.3 其它不必要之訊號

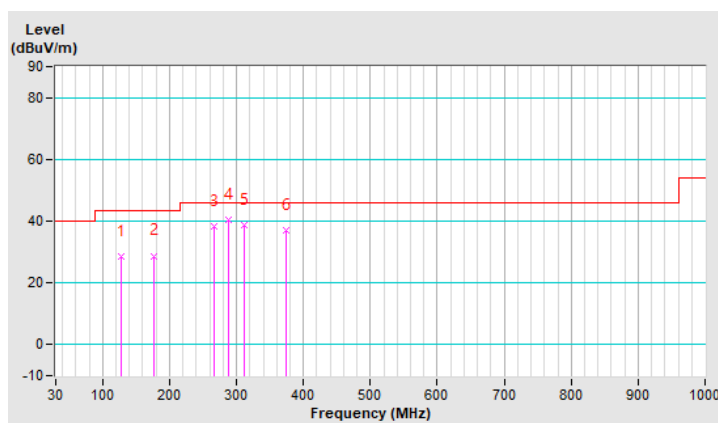
802.11a

|         |                  |         |                   |
|---------|------------------|---------|-------------------|
| 操作模式：   | 發射/接收            | 調變技術：   | OFDM              |
| 基本波頻率：  | CH 44 : 5220 MHz | 測試儀器：   | (QP) RB=VB=120kHz |
| 量測場地溫度： | 23°C             | 量測場地濕度： | 66%RH             |
| 測試日期：   | 109 年 07 月 31 日  | 測試者：    | 彭民達               |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 128.41      | 28.6 QP                 | 43.5           | -14.9       | 1.50 H             | 243                  | 38.8             | -10.2                    |
| 2                                                   | 176.20      | 28.8 QP                 | 43.5           | -14.7       | 1.00 H             | 244                  | 38.2             | -9.4                     |
| 3                                                   | 267.58      | 38.1 QP                 | 46.0           | -7.9        | 1.00 H             | 75                   | 46.7             | -8.6                     |
| 4                                                   | 287.26      | 40.5 QP                 | 46.0           | -5.5        | 1.00 H             | 109                  | 48.2             | -7.7                     |
| 5                                                   | 312.57      | 38.9 QP                 | 46.0           | -7.1        | 1.00 H             | 13                   | 45.9             | -7.0                     |
| 6                                                   | 374.42      | 36.9 QP                 | 46.0           | -9.1        | 1.00 H             | 120                  | 42.0             | -5.1                     |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit of frequency range 30MHz ~ 1000MHz.
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz ~ 30MHz.

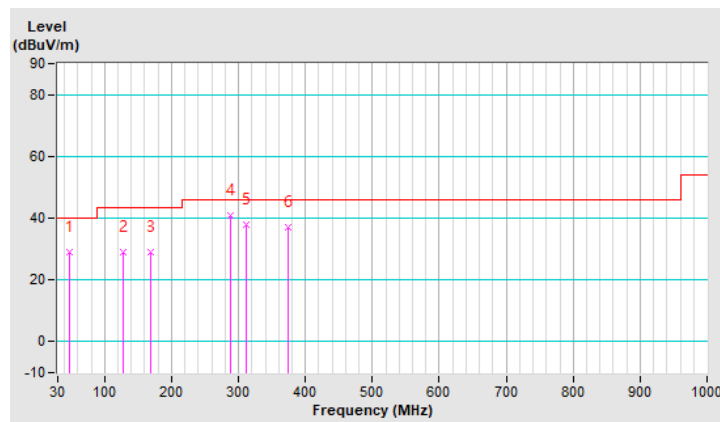


|         |                 |         |                   |
|---------|-----------------|---------|-------------------|
| 操作模式：   | 發射/接收           | 調變技術：   | OFDM              |
| 基本波頻率：  | CH 44：5220 MHz  | 測試儀器：   | (QP) RB=VB=120kHz |
| 量測場地溫度： | 23°C            | 量測場地濕度： | 66%RH             |
| 測試日期：   | 109 年 07 月 31 日 | 測試者：    | 彭民達               |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 46.87          | 29.1 QP                       | 40.0              | -10.9          | 1.49 V                   | 50                         | 38.0                   | -8.9                           |
| 2                                                 | 128.41         | 28.9 QP                       | 43.5              | -14.6          | 2.00 V                   | 246                        | 39.1                   | -10.2                          |
| 3                                                 | 169.17         | 28.8 QP                       | 43.5              | -14.7          | 1.49 V                   | 269                        | 37.7                   | -8.9                           |
| 4                                                 | 287.26         | 40.7 QP                       | 46.0              | -5.3           | 1.00 V                   | 89                         | 48.4                   | -7.7                           |
| 5                                                 | 312.57         | 38.0 QP                       | 46.0              | -8.0           | 1.00 V                   | 181                        | 45.0                   | -7.0                           |
| 6                                                 | 374.42         | 37.0 QP                       | 46.0              | -9.0           | 1.00 V                   | 120                        | 42.1                   | -5.1                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit of frequency range 30MHz ~ 1000MHz.
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz ~ 30MHz.



# 802.11ax (HE20)

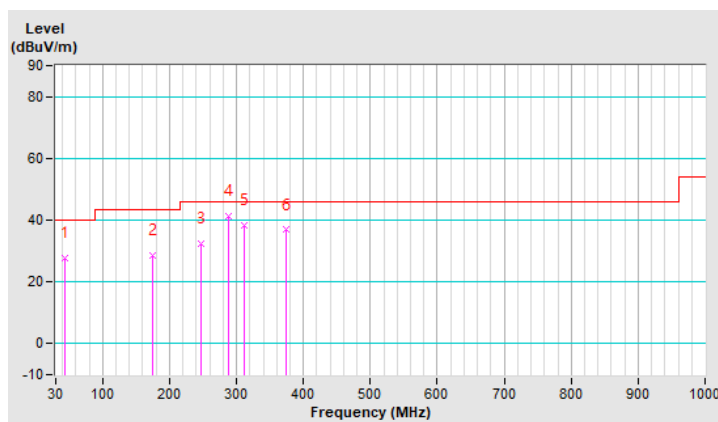
|             |                   |           |                   |
|-------------|-------------------|-----------|-------------------|
| 操 作 模 式 :   | 發射/接收             | 調 變 技 術 : | OFDMA             |
| 基 本 波 頻 率 : | CH 149 : 5745 MHz | 測 試 儀 器 : | (QP) RB=VB=120kHz |
| 量測場地溫度 :    | 23°C              | 量測場地濕度 :  | 66%RH             |
| 測 試 日 期 :   | 109 年 07 月 31 日   | 測 試 者 :   | 彭民達               |

## ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 44.06          | 27.7 QP                       | 40.0              | -12.3          | 1.49 H                   | 265                        | 36.7                   | -9.0                           |
| 2   | 174.80         | 28.7 QP                       | 43.5              | -14.8          | 1.49 H                   | 231                        | 37.9                   | -9.2                           |
| 3   | 246.49         | 32.4 QP                       | 46.0              | -13.6          | 1.00 H                   | 157                        | 42.0                   | -9.6                           |
| 4   | 287.26         | 41.2 QP                       | 46.0              | -4.8           | 1.00 H                   | 89                         | 48.9                   | -7.7                           |
| 5   | 312.57         | 38.2 QP                       | 46.0              | -7.8           | 1.00 H                   | 169                        | 45.2                   | -7.0                           |
| 6   | 374.42         | 36.8 QP                       | 46.0              | -9.2           | 1.00 H                   | 117                        | 41.9                   | -5.1                           |

### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit of frequency range 30MHz ~ 1000MHz.
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz ~ 30MHz.

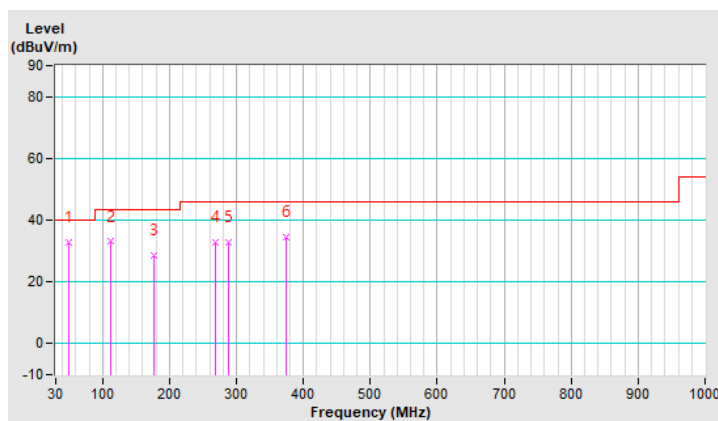


|         |                 |         |                   |
|---------|-----------------|---------|-------------------|
| 操作模式：   | 發射/接收           | 調變技術：   | OFDMA             |
| 基本波頻率：  | CH 149：5745 MHz | 測試儀器：   | (QP) RB=VB=120kHz |
| 量測場地溫度： | 23°C            | 量測場地濕度： | 66%RH             |
| 測試日期：   | 109 年 07 月 31 日 | 測試者：    | 彭民達               |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|---------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                               | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                 | 49.68       | 32.7 QP                 | 40.0           | -7.3        | 1.00 V             | 269                  | 41.5             | -8.8                     |
| 2                                                 | 111.54      | 33.0 QP                 | 43.5           | -10.5       | 1.00 V             | 43                   | 44.8             | -11.8                    |
| 3                                                 | 177.61      | 28.5 QP                 | 43.5           | -15.0       | 1.00 V             | 103                  | 38.1             | -9.6                     |
| 4                                                 | 268.99      | 32.6 QP                 | 46.0           | -13.4       | 1.00 V             | 27                   | 41.1             | -8.5                     |
| 5                                                 | 287.26      | 32.6 QP                 | 46.0           | -13.4       | 1.00 V             | 74                   | 40.3             | -7.7                     |
| 6                                                 | 374.42      | 34.7 QP                 | 46.0           | -11.3       | 1.51 V             | 132                  | 39.8             | -5.1                     |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit of frequency range 30MHz ~ 1000MHz.
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz ~ 30MHz.



## 9.7 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

## 9.8 配置照片

請參閱附件測試設置照片(BV CPS 報告編號：BBQZ-WTW-P20110410\_RF)。

## **10 電源線傳導干擾之量測**

### **10.1 適用標準**

請見本報告3.1節第1項的規定。

### **10.2 量測方法**

將待測物置於0.8米高的非金屬桌面，使其操作在工作狀態，待測物電源線接至電源線阻抗穩定網路上，從測試接收機記錄頻率由0.15MHz至30MHz之間之電源線傳導放射強度。

### **10.3 量測儀器**

同 5.3 節。

### **10.4 測試配置**

同 5.4 節。

### **10.5 干擾值之計算**

同 5.5 節。

## 10.6 量測結果

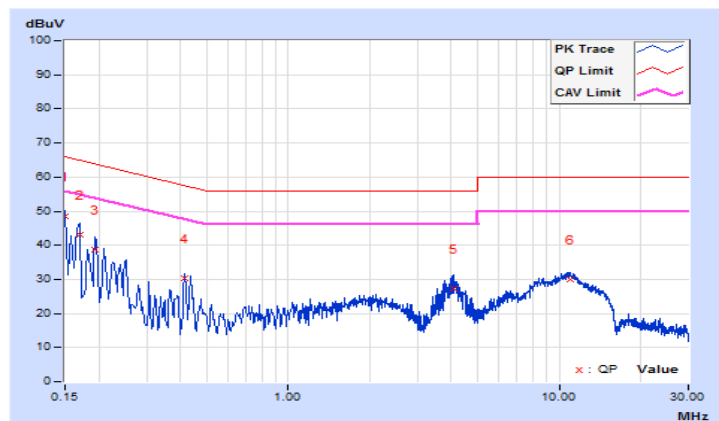
### 802.11a

|       |                  |        |                 |
|-------|------------------|--------|-----------------|
| 操作模式  | 發射/接收            | 測試日期   | 109 年 07 月 16 日 |
| 基本波頻率 | CH 44 : 5220 MHz | 量測場地溫度 | 25°C            |
| 調變技術  | OFDM             | 量測場地濕度 | 75%RH           |
| 測試者   | 張家誠              |        |                 |

|          |       | 6 dB Bandwidth: 9kHz |       |           |       | PHASE: LINE (L) |       |        |        |
|----------|-------|----------------------|-------|-----------|-------|-----------------|-------|--------|--------|
| 輻射頻率     | 校正因子  | 儀器讀值                 |       | 結果值       |       | 限制值             |       | 餘裕度    |        |
| [MHz]    | [dB]  | [dB (uV)]            |       | [dB (uV)] |       | [dB (uV)]       |       | [dB]   |        |
|          |       | Q.P.                 | AV.   | Q.P.      | AV.   | Q.P.            | AV.   | Q.P.   | AV.    |
| 0.15000  | 9.80  | 38.60                | 24.16 | 48.40     | 33.96 | 66.00           | 56.00 | -17.60 | -22.04 |
| 0.16955  | 9.80  | 33.22                | 17.86 | 43.02     | 27.66 | 64.98           | 54.98 | -21.96 | -27.32 |
| 0.19301  | 9.81  | 28.81                | 15.77 | 38.62     | 25.58 | 63.91           | 53.91 | -25.29 | -28.33 |
| 0.41560  | 9.86  | 20.52                | 20.37 | 30.38     | 30.23 | 57.54           | 47.54 | -27.16 | -17.31 |
| 4.07564  | 10.05 | 17.28                | 4.74  | 27.33     | 14.79 | 56.00           | 46.00 | -28.67 | -31.21 |
| 11.00807 | 10.15 | 19.81                | 12.73 | 29.96     | 22.88 | 60.00           | 50.00 | -30.04 | -27.12 |

Note:

- 1.Q.P. and AV. are abbreviations of quasi-peak and average individually.
- 2.The emission levels of other frequencies were very low against the limit.
- 3.Margin value = Emission level - Limit value
- 4.Correction factor = Insertion loss + Cable loss
- 5.Emission Level = Correction Factor + Reading Value.

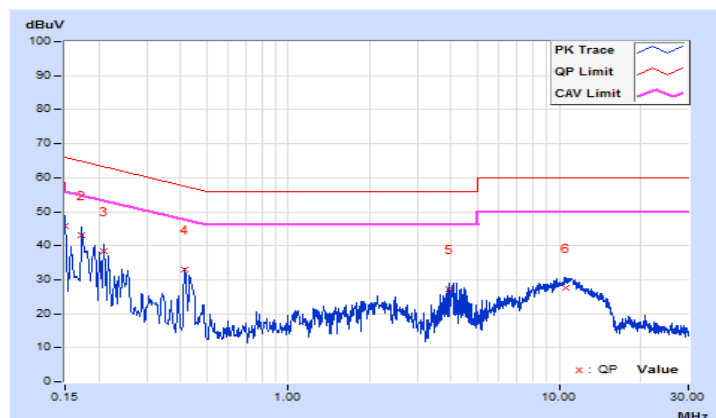


|       |                  |        |                 |
|-------|------------------|--------|-----------------|
| 操作模式  | 發射/接收            | 測試日期   | 109 年 07 月 16 日 |
| 基本波頻率 | CH 44 : 5220 MHz | 量測場地溫度 | 25°C            |
| 調變技術  | OFDM             | 量測場地濕度 | 75%RH           |
| 測試者   | 張家誠              |        |                 |

|          |       | 6 dB Bandwidth: 9kHz |       |           |       | PHASE: NEUTRAL (N) |       |        |        |
|----------|-------|----------------------|-------|-----------|-------|--------------------|-------|--------|--------|
| 輻射頻率     | 校正因子  | 儀器讀值                 |       | 結果值       |       | 限制值                |       | 餘裕度    |        |
| [MHz]    | [dB]  | [dB (uV)]            |       | [dB (uV)] |       | [dB (uV)]          |       | [dB]   |        |
|          |       | Q.P.                 | AV.   | Q.P.      | AV.   | Q.P.               | AV.   | Q.P.   | AV.    |
| 0.15000  | 9.82  | 36.04                | 21.98 | 45.86     | 31.80 | 66.00              | 56.00 | -20.14 | -24.20 |
| 0.17346  | 9.82  | 33.39                | 17.67 | 43.21     | 27.49 | 64.79              | 54.79 | -21.58 | -27.30 |
| 0.20865  | 9.81  | 28.70                | 14.47 | 38.51     | 24.28 | 63.26              | 53.26 | -24.75 | -28.98 |
| 0.41588  | 9.89  | 23.26                | 21.38 | 33.15     | 31.27 | 57.53              | 47.53 | -24.38 | -16.26 |
| 3.93879  | 10.09 | 17.03                | 5.85  | 27.12     | 15.94 | 56.00              | 46.00 | -28.88 | -30.06 |
| 10.57015 | 10.22 | 17.45                | 10.43 | 27.67     | 20.65 | 60.00              | 50.00 | -32.33 | -29.35 |

Note:

- 1.Q.P. and AV. are abbreviations of quasi-peak and average individually.
- 2.The emission levels of other frequencies were very low against the limit.
- 3.Margin value = Emission level - Limit value
- 4.Correction factor = Insertion loss + Cable loss
- 5.Emission Level = Correction Factor + Reading Value.



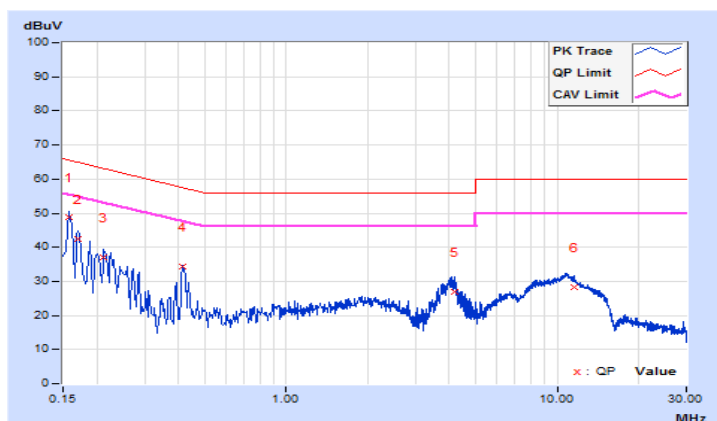
# 802.11ax (HE20)

|       |                   |        |                 |
|-------|-------------------|--------|-----------------|
| 操作模式  | 發射/接收             | 測試日期   | 109 年 07 月 16 日 |
| 基本波頻率 | CH 149 : 5745 MHz | 量測場地溫度 | 25°C            |
| 調變技術  | OFDMA             | 量測場地濕度 | 75%RH           |
| 測試者   | 張家誠               |        |                 |

|          |       | 6 dB Bandwidth: 9kHz |       |           |       | PHASE: LINE (L) |       |        |        |
|----------|-------|----------------------|-------|-----------|-------|-----------------|-------|--------|--------|
| 輻射頻率     | 校正因子  | 儀器讀值                 |       | 結果值       |       | 限制值             |       | 餘裕度    |        |
| [MHz]    | [dB]  | [dB (uV)]            |       | [dB (uV)] |       | [dB (uV)]       |       | [dB]   |        |
|          |       | Q.P.                 | AV.   | Q.P.      | AV.   | Q.P.            | AV.   | Q.P.   | AV.    |
| 0.15782  | 9.80  | 38.95                | 22.27 | 48.75     | 32.07 | 65.58           | 55.58 | -16.83 | -23.51 |
| 0.16955  | 9.80  | 32.59                | 17.57 | 42.39     | 27.37 | 64.98           | 54.98 | -22.59 | -27.61 |
| 0.21256  | 9.81  | 27.23                | 14.74 | 37.04     | 24.55 | 63.10           | 53.10 | -26.06 | -28.55 |
| 0.41560  | 9.86  | 24.40                | 20.28 | 34.26     | 30.14 | 57.54           | 47.54 | -23.28 | -17.40 |
| 4.18512  | 10.05 | 16.95                | 5.47  | 27.00     | 15.52 | 56.00           | 46.00 | -29.00 | -30.48 |
| 11.53201 | 10.16 | 18.23                | 11.92 | 28.39     | 22.08 | 60.00           | 50.00 | -31.61 | -27.92 |

## Note:

- 1.Q.P. and AV. are abbreviations of quasi-peak and average individually.
- 2.The emission levels of other frequencies were very low against the limit.
- 3.Margin value = Emission level - Limit value
- 4.Corrected factor = Insertion loss + Cable loss
- 5.Emission Level = Correction Factor + Reading Value.

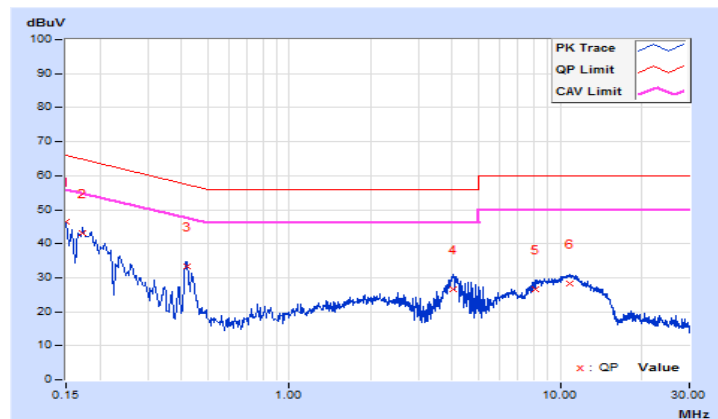


|       |                   |        |                 |
|-------|-------------------|--------|-----------------|
| 操作模式  | 發射/接收             | 測試日期   | 109 年 07 月 16 日 |
| 基本波頻率 | CH 149 : 5745 MHz | 量測場地溫度 | 25°C            |
| 調變技術  | OFDMA             | 量測場地濕度 | 75%RH           |
| 測試者   | 張家誠               |        |                 |

|          |       | 6 dB Bandwidth: 9kHz |       |           |       | PHASE: NEUTRAL (N) |       |        |        |
|----------|-------|----------------------|-------|-----------|-------|--------------------|-------|--------|--------|
| 輻射頻率     | 校正因子  | 儀器讀值                 |       | 結果值       |       | 限制值                |       | 餘裕度    |        |
| [MHz]    | [dB]  | [dB (uV)]            |       | [dB (uV)] |       | [dB (uV)]          |       | [dB]   |        |
|          |       | Q.P.                 | AV.   | Q.P.      | AV.   | Q.P.               | AV.   | Q.P.   | AV.    |
| 0.15000  | 9.82  | 36.51                | 23.25 | 46.33     | 33.07 | 66.00              | 56.00 | -19.67 | -22.93 |
| 0.17328  | 9.82  | 33.15                | 18.24 | 42.97     | 28.06 | 64.80              | 54.80 | -21.83 | -26.74 |
| 0.41979  | 9.89  | 23.52                | 18.39 | 33.41     | 28.28 | 57.45              | 47.45 | -24.04 | -19.17 |
| 4.02090  | 10.09 | 16.66                | 5.24  | 26.75     | 15.33 | 56.00              | 46.00 | -29.25 | -30.67 |
| 8.14595  | 10.17 | 16.55                | 9.20  | 26.72     | 19.37 | 60.00              | 50.00 | -33.28 | -30.63 |
| 10.91814 | 10.23 | 18.02                | 10.96 | 28.25     | 21.19 | 60.00              | 50.00 | -31.75 | -28.81 |

Note:

- 1.Q.P. and AV. are abbreviations of quasi-peak and average individually.
- 2.The emission levels of other frequencies were very low against the limit.
- 3.Margin value = Emission level - Limit value
- 4.Correction factor = Insertion loss + Cable loss
- 5.Emission Level = Correction Factor + Reading Value.



## 10.7 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

## 10.8 配置照片

請參閱附件測試設置照片(BV CPS 報告編號：BBQZ-WTW-P20110410\_RF)。

## 11 峰值傳導輸出功率量測及發射頻寬之要求

### 11.1 適用標準

| 待測物操作頻帶                                                 | 適用標準                                                                                |
|---------------------------------------------------------|-------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> 5.15 GHz~5.25 GHz   | <input type="checkbox"/> 請見本報告 3.1 節第 6 項(II)(A)及 4 項(II)(A)的規定(供戶外操作使用)            |
|                                                         | <input checked="" type="checkbox"/> 請見本報告 3.1 節第 6 項(II)(A)及 4 項(II)(B)的規定(供室內操作使用) |
|                                                         | <input type="checkbox"/> 請見本報告 3.1 節第 6 項(II)(A)及 4 項(II)(C)的規定(供固定式點對點操作使用)        |
|                                                         | <input type="checkbox"/> 請見本報告 3.1 節第 6 項(II)(B)及 4 項(II)(D)的規定(供用戶端裝置使用)           |
| <input checked="" type="checkbox"/> 5.25 GHz~5.35 GHz   | 請見本報告 3.1 節第 6 項(III)及 4 項(III)的規定                                                  |
| <input checked="" type="checkbox"/> 5.470 GHz~5.725 GHz | 請見本報告 3.1 節第 6 項(III)及 4 項(III)的規定                                                  |
| <input checked="" type="checkbox"/> 5.725 GHz~5.850 GHz | 請見本報告 3.1 節第 6 項(IV)及 4 項(IV)的規定                                                    |

### 11.2 量測方法

輸出峰值功率量測方法:

- 將待測物輸出經由衰減器接到功率計上。
- 設定待測物處於連續發射狀態。
- 計算其輸出功率峰值。

For transmission above 5.725GHz where the EBW crosses 5.725GHz

- 將待測物輸出接到頻譜分析儀上。
- 設定待測物處於連續發射狀態。
- 設定頻譜掃描寬為26dB occupied bandwidth。
- 設置解析頻寬為1MHz, 視訊頻寬為3倍的解析頻寬。
- 設置測試掃描點數要大於2倍的(span/RBW)。
- 設置檢波器為RMS。
- 設置掃描時間為auto。
- 設置Trigger模式為free run (當Duty cycle大於98%); 設置Trigger模式為Video trigger(當Duty cycle小於98%)。
- 設置Trace mode為average 至少100次。
- 待掃描結果穩定。
- 使用頻譜的內建band power功能,量測26dB bandwidth內最大功率值。

發射頻寬量測方法:

- 將待測物輸出經由衰減器接到頻譜分析儀上。
- 設定待測物處於連續發射狀態。
- 最大輸出功率峰值減26dB的最大頻率範圍。

### 11.3 量測儀器

峰值傳導輸出功率量測儀器: 同7.3節。

發射頻寬之量測儀器: 同6.3節。

### 11.4 測試配置

峰值傳導輸出功率測試配置: 同7.4節。

發射頻寬之測試配置: 同6.4節。

## 11.5 量測結果

|        |      |        |                 |
|--------|------|--------|-----------------|
| 操作模式   | 發射   | 測試日期   | 109 年 07 月 25 日 |
| 量測場地溫度 | 25°C | 量測場地濕度 | 60%RH           |
| 測試者    | 林山銘  |        |                 |

### CDD Mode

For 5.15~5.25GHz & 5.25~5.35GHz Band

#### 802.11a

| Chan. | Freq.<br>(MHz) | Maximum Conducted Power (dBm) |         | Total<br>Power<br>(mW) | Total<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Pass /<br>Fail |
|-------|----------------|-------------------------------|---------|------------------------|-------------------------|-------------------------|----------------|
|       |                | Chain 0                       | Chain 1 |                        |                         |                         |                |
| 36    | 5180           | 22.17                         | 22.82   | 356.242                | 25.52                   | 30.00                   | Pass           |
| 44    | 5220           | 26.03                         | 26.31   | 828.430                | 29.18                   | 30.00                   | Pass           |
| 48    | 5240           | 25.63                         | 25.50   | 720.408                | 28.58                   | 30.00                   | Pass           |
| 52    | 5260           | 20.06                         | 20.19   | 205.863                | 23.14                   | 24.00                   | Pass           |
| 60    | 5300           | 20.36                         | 20.68   | 225.593                | 23.53                   | 24.00                   | Pass           |
| 64    | 5320           | 20.09                         | 20.26   | 208.264                | 23.19                   | 24.00                   | Pass           |

Note:

For 5.25~5.35GHz Band:

Chain 0

1.  $11\text{dBm} + 10\log(21.54) = 24.33 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(21.65) = 24.35 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(21.58) = 24.34 > 24\text{dBm}$

Chain 1

1.  $11\text{dBm} + 10\log(21.58) = 24.34 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(21.59) = 24.34 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(21.53) = 24.33 > 24\text{dBm}$

# For 5.47~5.725GHz & 5.725~5.85GHz Band

## 802.11a

| Channel | Freq. (MHz)                      | Maximum Conducted Power (dBm) |         |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|----------------------------------|-------------------------------|---------|---------|---------|------------------|-------------------|-------------|-------------|
|         |                                  | Chain 0                       | Chain 1 | Chain 2 | Chain 3 |                  |                   |             |             |
| 100     | 5500                             | 16.38                         | 16.66   | 16.28   | 16.50   | 176.926          | 22.48             | 24.00       | Pass        |
| 116     | 5580                             | 16.69                         | 16.52   | 15.55   | 17.14   | 179.193          | 22.53             | 24.00       | Pass        |
| 140     | 5700                             | 16.71                         | 16.55   | 15.80   | 16.68   | 176.644          | 22.47             | 24.00       | Pass        |
| 144     | 5720<br>For<br>5.47~5.725G<br>Hz | 12.64                         | 12.62   | 13.56   | 14.46   | 87.270           | 19.41             | 22.95       | Pass        |
| 144     | 5720<br>For<br>5.725~5.85G<br>Hz | 6.50                          | 7.52    | 7.94    | 7.44    | 21.885           | 13.40             | 30.00       | Pass        |
| 149     | 5745                             | 22.86                         | 22.90   | 23.20   | 23.62   | 827.255          | 29.18             | 30.00       | Pass        |
| 157     | 5785                             | 23.00                         | 22.85   | 23.23   | 23.56   | 829.643          | 29.19             | 30.00       | Pass        |
| 165     | 5825                             | 22.95                         | 22.89   | 23.15   | 23.60   | 827.403          | 29.18             | 30.00       | Pass        |

Note:

For 5.47~5.725GHz Band:

Chain 0

1.  $11\text{dBm} + 10\log(21.63) = 24.35 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(21.64) = 24.35 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(21.57) = 24.33 > 24\text{dBm}$
4.  $11\text{dBm} + 10\log(5725.00 - 5709.25) = 22.97 < 24\text{dBm}$

Chain 1

1.  $11\text{dBm} + 10\log(21.81) = 24.38 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(21.87) = 24.39 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(21.85) = 24.39 > 24\text{dBm}$
4.  $11\text{dBm} + 10\log(5725.00 - 5709.33) = 22.95 < 24\text{dBm}$

Chain 2

1.  $11\text{dBm} + 10\log(21.77) = 24.37 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(21.78) = 24.38 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(21.72) = 24.36 > 24\text{dBm}$
4.  $11\text{dBm} + 10\log(5725.00 - 5709.18) = 22.99 < 24\text{dBm}$

Chain 3

1.  $11\text{dBm} + 10\log(21.69) = 24.36 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(21.48) = 24.32 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(21.67) = 24.35 > 24\text{dBm}$
4.  $11\text{dBm} + 10\log(5725.00 - 5709.32) = 22.95 < 24\text{dBm}$

# 802.11ax (HE20)

## For 5.15~5.25GHz & 5.25~5.35GHz Band

| Chan. | Freq.<br>(MHz) | Maximum Conducted Power (dBm) |         | Total<br>Power<br>(mW) | Total<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Pass /<br>Fail |
|-------|----------------|-------------------------------|---------|------------------------|-------------------------|-------------------------|----------------|
|       |                | Chain 0                       | Chain 1 |                        |                         |                         |                |
| 36    | 5180           | 21.79                         | 22.59   | 332.560                | 25.22                   | 30.00                   | Pass           |
| 44    | 5220           | 26.05                         | 26.03   | 803.584                | 29.05                   | 30.00                   | Pass           |
| 48    | 5240           | 25.55                         | 25.54   | 717.018                | 28.56                   | 30.00                   | Pass           |
| 52    | 5260           | 20.10                         | 20.26   | 208.499                | 23.19                   | 24.00                   | Pass           |
| 60    | 5300           | 20.26                         | 20.56   | 219.932                | 23.42                   | 24.00                   | Pass           |
| 64    | 5320           | 20.26                         | 20.43   | 216.577                | 23.36                   | 24.00                   | Pass           |

Note:

For 5.25~5.35GHz Band:

Chain 0

1.  $11\text{dBm} + 10\log(22.13) = 24.44 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(22.77) = 24.57 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(22.28) = 24.47 > 24\text{dBm}$

Chain 1

1.  $11\text{dBm} + 10\log(21.82) = 24.38 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(21.69) = 24.36 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(21.79) = 24.38 > 24\text{dBm}$

For For 5.47~5.725GHz & 5.725~5.85GHz Band

| Channel | Freq. (MHz)                      | Maximum Conducted Power (dBm) |         |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|----------------------------------|-------------------------------|---------|---------|---------|------------------|-------------------|-------------|-------------|
|         |                                  | Chain 0                       | Chain 1 | Chain 2 | Chain 3 |                  |                   |             |             |
| 100     | 5500                             | 16.68                         | 16.62   | 16.17   | 16.63   | 179.904          | 22.55             | 24.00       | Pass        |
| 116     | 5580                             | 16.80                         | 16.41   | 15.41   | 16.83   | 174.564          | 22.42             | 24.00       | Pass        |
| 140     | 5700                             | 16.22                         | 16.90   | 16.07   | 16.65   | 177.553          | 22.49             | 24.00       | Pass        |
| 144     | 5720<br>For<br>5.47~5.725G<br>Hz | 14.13                         | 14.93   | 14.96   | 14.84   | 118.811          | 20.75             | 22.96       | Pass        |
| 144     | 5720<br>For<br>5.725~5.85G<br>Hz | 9.75                          | 9.59    | 10.14   | 9.74    | 38.286           | 15.83             | 30.00       | Pass        |
| 149     | 5745                             | 22.71                         | 23.04   | 23.38   | 23.76   | <b>843.465</b>   | 29.26             | 30.00       | Pass        |
| 157     | 5785                             | 22.79                         | 22.91   | 23.30   | 23.80   | 839.221          | 29.24             | 30.00       | Pass        |
| 165     | 5825                             | 22.81                         | 22.89   | 23.28   | 23.79   | 837.667          | 29.23             | 30.00       | Pass        |

Note:

For 5.47~5.725GHz Band:

Chain 0

1.  $11\text{dBm} + 10\log(21.71) = 24.36 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(21.71) = 24.36 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(21.88) = 24.40 > 24\text{dBm}$
4.  $11\text{dBm} + 10\log(5725.00 - 5709.12) = 23.00 < 24\text{dBm}$

Chain 1

1.  $11\text{dBm} + 10\log(21.77) = 24.37 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(21.67) = 24.35 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(21.83) = 24.39 > 24\text{dBm}$
4.  $11\text{dBm} + 10\log(5725.00 - 5709.27) = 22.96 < 24\text{dBm}$

Chain 2

1.  $11\text{dBm} + 10\log(21.78) = 24.38 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(21.89) = 24.40 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(21.94) = 24.41 > 24\text{dBm}$
4.  $11\text{dBm} + 10\log(5725.00 - 5709.13) = 23.00 < 24\text{dBm}$

Chain 3

1.  $11\text{dBm} + 10\log(21.85) = 24.39 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(21.92) = 24.40 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(21.81) = 24.38 > 24\text{dBm}$
4.  $11\text{dBm} + 10\log(5725.00 - 5709.20) = 22.98 < 24\text{dBm}$

# 802.11ax (HE40)

## For 5.15~5.25GHz & 5.25~5.35GHz Band

| Chan. | Freq.<br>(MHz) | Maximum Conducted Power (dBm) |         | Total<br>Power<br>(mW) | Total<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Pass /<br>Fail |
|-------|----------------|-------------------------------|---------|------------------------|-------------------------|-------------------------|----------------|
|       |                | Chain 0                       | Chain 1 |                        |                         |                         |                |
| 38    | 5190           | 20.66                         | 21.18   | 247.633                | 23.94                   | 30.00                   | Pass           |
| 46    | 5230           | 24.81                         | 25.01   | 619.648                | 27.92                   | 30.00                   | Pass           |
| 54    | 5270           | 20.26                         | 20.31   | 213.568                | 23.30                   | 24.00                   | Pass           |
| 62    | 5310           | 20.23                         | 19.87   | 202.490                | 23.06                   | 24.00                   | Pass           |

Note:

For 5.25~5.35GHz Band:

Chain 0

1.  $11\text{dBm} + 10\log(41.34) = 27.16 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(41.37) = 27.16 > 24\text{dBm}$

Chain 1

1.  $11\text{dBm} + 10\log(41.40) = 27.17 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(41.34) = 27.16 > 24\text{dBm}$

For For 5.47~5.725GHz & 5.725~5.85GHz Band

| Channel | Freq. (MHz)                      | Maximum Conducted Power (dBm) |         |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|----------------------------------|-------------------------------|---------|---------|---------|------------------|-------------------|-------------|-------------|
|         |                                  | Chain 0                       | Chain 1 | Chain 2 | Chain 3 |                  |                   |             |             |
| 102     | 5510                             | 17.41                         | 17.16   | 16.59   | 17.37   | 207.260          | 23.17             | 24.00       | Pass        |
| 110     | 5550                             | 16.57                         | 17.55   | 16.72   | 18.20   | 215.338          | 23.33             | 24.00       | Pass        |
| 134     | 5670                             | 17.49                         | 17.25   | 16.77   | 17.48   | 212.703          | 23.28             | 24.00       | Pass        |
| 142     | 5710<br>For<br>5.47~5.725G<br>Hz | 14.49                         | 15.10   | 14.47   | 14.50   | 116.652          | 20.67             | 24.00       | Pass        |
| 142     | 5710<br>For<br>5.725~5.85G<br>Hz | 5.58                          | 5.71    | 3.92    | 6.20    | 13.973           | 11.45             | 30.00       | Pass        |
| 151     | 5755                             | 23.18                         | 23.09   | 23.00   | 23.42   | 830.986          | 29.20             | 30.00       | Pass        |
| 159     | 5795                             | 22.82                         | 23.49   | 23.01   | 23.33   | 830.047          | 29.19             | 30.00       | Pass        |

Note:

For 5.47~5.725GHz Band:

Chain 0

1.  $11\text{dBm} + 10\log(41.31) = 27.16 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(41.31) = 27.16 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(41.35) = 27.16 > 24\text{dBm}$
4.  $11\text{dBm} + 10\log(5725.00 - 5689.45) = 26.50 > 24\text{dBm}$

Chain 1

1.  $11\text{dBm} + 10\log(41.07) = 27.13 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(41.12) = 27.14 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(41.08) = 27.13 > 24\text{dBm}$
4.  $11\text{dBm} + 10\log(5725.00 - 5689.48) = 26.50 > 24\text{dBm}$

Chain 2

1.  $11\text{dBm} + 10\log(41.30) = 27.15 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(41.25) = 27.15 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(41.15) = 27.14 > 24\text{dBm}$
4.  $11\text{dBm} + 10\log(5725.00 - 5689.51) = 26.50 > 24\text{dBm}$

Chain 3

1.  $11\text{dBm} + 10\log(41.35) = 27.16 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(41.29) = 27.15 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(41.25) = 27.15 > 24\text{dBm}$
4.  $11\text{dBm} + 10\log(5725.00 - 5689.40) = 26.51 > 24\text{dBm}$

# 802.11ax (HE80)

For 5.15~5.25GHz & 5.25~5.35GHz Band

| Chan. | Freq.<br>(MHz) | Maximum Conducted Power (dBm) |         | Total<br>Power<br>(mW) | Total<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Pass /<br>Fail |
|-------|----------------|-------------------------------|---------|------------------------|-------------------------|-------------------------|----------------|
|       |                | Chain 0                       | Chain 1 |                        |                         |                         |                |
| 42    | 5210           | 19.92                         | 20.20   | 202.888                | 23.07                   | 30.00                   | Pass           |
| 58    | 5290           | 19.27                         | 18.99   | 163.778                | 22.14                   | 24.00                   | Pass           |

Note:

For 5.25~5.35GHz Band:

Chain 0

1.  $11\text{dBm} + 10\log(81.94) = 30.13 > 24\text{dBm}$

Chain 1

1.  $11\text{dBm} + 10\log(81.86) = 30.13 > 24\text{dBm}$

### For 5.47~5.725GHz & 5.725~5.85GHz Band

| Channel | Freq. (MHz)                      | Maximum Conducted Power (dBm) |         |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|----------------------------------|-------------------------------|---------|---------|---------|------------------|-------------------|-------------|-------------|
|         |                                  | Chain 0                       | Chain 1 | Chain 2 | Chain 3 |                  |                   |             |             |
| 106     | 5530                             | 17.16                         | 17.41   | 16.77   | 17.31   | 208.441          | 23.19             | 24.00       | Pass        |
| 122     | 5610                             | 16.89                         | 17.46   | 16.62   | 17.87   | 211.739          | 23.26             | 24.00       | Pass        |
| 138     | 5690<br>For<br>5.47~5.725G<br>Hz | 13.37                         | 13.50   | 13.63   | 13.29   | 88.512           | 19.47             | 24.00       | Pass        |
| 138     | 5690<br>For<br>5.725~5.85G<br>Hz | -0.56                         | 0.92    | 2.39    | 0.40    | 4.9453           | 6.94              | 30.00       | Pass        |
| 155     | 5775                             | 22.79                         | 23.58   | 22.71   | 23.09   | 808.484          | 29.08             | 30.00       | Pass        |

Note:

For 5.47~5.725GHz Band:

Chain 0

1.  $11\text{dBm} + 10\log(81.98) = 30.13 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(81.97) = 30.13 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(5725.00 - 5649.20) = 29.79 > 24\text{dBm}$

Chain 1

1.  $11\text{dBm} + 10\log(81.74) = 30.12 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(81.63) = 30.11 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(5725.00 - 5649.14) = 29.80 > 24\text{dBm}$

Chain 2

1.  $11\text{dBm} + 10\log(81.82) = 30.12 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(82.02) = 30.13 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(5725.00 - 5648.95) = 29.81 > 24\text{dBm}$

Chain 3

1.  $11\text{dBm} + 10\log(82.17) = 30.14 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(82.33) = 30.15 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(5725.00 - 5649.05) = 29.80 > 24\text{dBm}$

# 802.11ax (HE160)

| Chan. | Freq. (MHz) | Maximum Conducted Power (dBm) |         |         |         | Total Power (mW) | Total Power (dBm) | Power Limit (dBm) | Pass / Fail |
|-------|-------------|-------------------------------|---------|---------|---------|------------------|-------------------|-------------------|-------------|
|       |             | Chain 0                       | Chain 1 | Chain 2 | Chain 3 |                  |                   |                   |             |
| 114   | 5570        | 17.02                         | 17.05   | 16.52   | 17.92   | 207.868          | 23.18             | 24.00             | Pass        |

Note:

For 5.47~5.725GHz Band:

Chain 0

1.  $11\text{dBm} + 10\log(162.55) = 33.10 > 24\text{dBm}$

Chain 1

1.  $11\text{dBm} + 10\log(163.27) = 33.12 > 24\text{dBm}$

Chain 2

1.  $11\text{dBm} + 10\log(162.61) = 33.11 > 24\text{dBm}$

Chain 3

1.  $11\text{dBm} + 10\log(162.38) = 33.10 > 24\text{dBm}$

# 802.11ac (VHT20)

## For 5.15~5.25GHz & 5.25~5.35GHz Band

| Chan. | Freq.<br>(MHz) | Maximum Conducted Power (dBm) |         | Total<br>Power<br>(mW) | Total<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Pass /<br>Fail |
|-------|----------------|-------------------------------|---------|------------------------|-------------------------|-------------------------|----------------|
|       |                | Chain 0                       | Chain 1 |                        |                         |                         |                |
| 36    | 5180           | 21.78                         | 22.53   | 329.721                | 25.18                   | 30.00                   | Pass           |
| 44    | 5220           | 26.04                         | 25.96   | 796.248                | 29.01                   | 30.00                   | Pass           |
| 48    | 5240           | 25.54                         | 25.45   | 708.848                | 28.51                   | 30.00                   | Pass           |
| 52    | 5260           | 20.06                         | 20.18   | 205.623                | 23.13                   | 24.00                   | Pass           |
| 60    | 5300           | 20.21                         | 20.53   | 217.934                | 23.38                   | 24.00                   | Pass           |
| 64    | 5320           | 20.15                         | 20.30   | 210.666                | 23.24                   | 24.00                   | Pass           |

Note:

For 5.25~5.35GHz Band:

Chain 0

1.  $11\text{dBm} + 10\log(22.13) = 24.44 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(22.77) = 24.57 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(22.28) = 24.47 > 24\text{dBm}$

Chain 1

1.  $11\text{dBm} + 10\log(21.82) = 24.38 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(21.69) = 24.36 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(21.79) = 24.38 > 24\text{dBm}$

For 5.47~5.725GHz & 5.725~5.85GHz Band

| Channel | Freq. (MHz)                      | Maximum Conducted Power (dBm) |         |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|----------------------------------|-------------------------------|---------|---------|---------|------------------|-------------------|-------------|-------------|
|         |                                  | Chain 0                       | Chain 1 | Chain 2 | Chain 3 |                  |                   |             |             |
| 100     | 5500                             | 16.58                         | 16.47   | 16.09   | 16.52   | 175.379          | 22.44             | 24.00       | Pass        |
| 116     | 5580                             | 16.69                         | 16.40   | 15.38   | 16.70   | 171.605          | 22.35             | 24.00       | Pass        |
| 140     | 5700                             | 16.04                         | 16.73   | 15.97   | 16.63   | 172.839          | 22.38             | 24.00       | Pass        |
| 144     | 5720<br>For<br>5.47~5.725G<br>Hz | 14.13                         | 14.93   | 14.96   | 14.84   | 118.811          | 20.75             | 22.96       | Pass        |
| 144     | 5720<br>For<br>5.725~5.85G<br>Hz | 9.75                          | 9.59    | 10.14   | 9.74    | 38.286           | 15.83             | 30.00       | Pass        |
| 149     | 5745                             | 22.61                         | 22.94   | 23.35   | 23.64   | 826.657          | 29.17             | 30.00       | Pass        |
| 157     | 5785                             | 22.72                         | 22.85   | 23.21   | 23.76   | 826.916          | 29.17             | 30.00       | Pass        |
| 165     | 5825                             | 22.76                         | 22.84   | 23.19   | 23.70   | 823.980          | 29.16             | 30.00       | Pass        |

Note:

For 5.47~5.725GHz Band:

Chain 0

1.  $11\text{dBm} + 10\log(21.71) = 24.36 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(21.71) = 24.36 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(21.88) = 24.40 > 24\text{dBm}$
4.  $11\text{dBm} + 10\log(5725.00 - 5709.12) = 23.00 < 24\text{dBm}$

Chain 1

1.  $11\text{dBm} + 10\log(21.77) = 24.37 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(21.67) = 24.35 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(21.83) = 24.39 > 24\text{dBm}$
4.  $11\text{dBm} + 10\log(5725.00 - 5709.27) = 22.96 < 24\text{dBm}$

Chain 2

1.  $11\text{dBm} + 10\log(21.78) = 24.38 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(21.89) = 24.40 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(21.94) = 24.41 > 24\text{dBm}$
4.  $11\text{dBm} + 10\log(5725.00 - 5709.13) = 23.00 < 24\text{dBm}$

Chain 3

1.  $11\text{dBm} + 10\log(21.85) = 24.39 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(21.92) = 24.40 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(21.81) = 24.38 > 24\text{dBm}$
4.  $11\text{dBm} + 10\log(5725.00 - 5709.20) = 22.98 < 24\text{dBm}$

## 802.11ac (VHT40)

## For 5.15~5.25GHz &amp; 5.25~5.35GHz Band

| Chan. | Freq.<br>(MHz) | Maximum Conducted Power (dBm) |         | Total<br>Power<br>(mW) | Total<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Pass /<br>Fail |
|-------|----------------|-------------------------------|---------|------------------------|-------------------------|-------------------------|----------------|
|       |                | Chain 0                       | Chain 1 |                        |                         |                         |                |
| 38    | 5190           | 20.49                         | 21.02   | 238.417                | 23.77                   | 30.00                   | Pass           |
| 46    | 5230           | 24.64                         | 24.89   | 599.391                | 27.78                   | 30.00                   | Pass           |
| 54    | 5270           | 20.20                         | 20.20   | 209.426                | 23.21                   | 24.00                   | Pass           |
| 62    | 5310           | 20.06                         | 19.76   | 196.015                | 22.92                   | 24.00                   | Pass           |

Note:

For 5.25~5.35GHz Band:

Chain 0

1.  $11\text{dBm} + 10\log(41.34) = 27.16 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(41.37) = 27.16 > 24\text{dBm}$

Chain 1

1.  $11\text{dBm} + 10\log(41.40) = 27.17 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(41.34) = 27.16 > 24\text{dBm}$

For 5.47~5.725GHz & 5.725~5.85GHz Band

| Channel | Freq. (MHz)                      | Maximum Conducted Power (dBm) |         |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|----------------------------------|-------------------------------|---------|---------|---------|------------------|-------------------|-------------|-------------|
|         |                                  | Chain 0                       | Chain 1 | Chain 2 | Chain 3 |                  |                   |             |             |
| 102     | 5510                             | 17.24                         | 17.10   | 16.58   | 17.36   | 204.202          | 23.10             | 24.00       | Pass        |
| 110     | 5550                             | 16.41                         | 17.50   | 16.57   | 18.07   | 209.501          | 23.21             | 24.00       | Pass        |
| 134     | 5670                             | 17.35                         | 17.17   | 16.67   | 17.34   | 207.096          | 23.16             | 24.00       | Pass        |
| 142     | 5710<br>For<br>5.47~5.725G<br>Hz | 14.49                         | 15.10   | 14.47   | 14.50   | 116.652          | 20.67             | 24.00       | Pass        |
| 142     | 5710<br>For<br>5.725~5.85G<br>Hz | 5.58                          | 5.71    | 3.92    | 6.20    | 13.973           | 11.45             | 30.00       | Pass        |
| 151     | 5755                             | 23.19                         | 23.02   | 23.02   | 23.37   | 826.614          | 29.17             | 30.00       | Pass        |
| 159     | 5795                             | 22.77                         | 23.56   | 22.93   | 23.26   | 824.393          | 29.16             | 30.00       | Pass        |

Note:

For 5.47~5.725GHz Band:

Chain 0

1.  $11\text{dBm} + 10\log(41.31) = 27.16 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(41.31) = 27.16 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(41.35) = 27.16 > 24\text{dBm}$
4.  $11\text{dBm} + 10\log(5725.00 - 5689.45) = 26.50 > 24\text{dBm}$

Chain 1

1.  $11\text{dBm} + 10\log(41.07) = 27.13 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(41.12) = 27.14 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(41.08) = 27.13 > 24\text{dBm}$
4.  $11\text{dBm} + 10\log(5725.00 - 5689.48) = 26.50 > 24\text{dBm}$

Chain 2

1.  $11\text{dBm} + 10\log(41.30) = 27.15 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(41.25) = 27.15 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(41.15) = 27.14 > 24\text{dBm}$
4.  $11\text{dBm} + 10\log(5725.00 - 5689.51) = 26.50 > 24\text{dBm}$

Chain 3

1.  $11\text{dBm} + 10\log(41.35) = 27.16 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(41.29) = 27.15 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(41.25) = 27.15 > 24\text{dBm}$
4.  $11\text{dBm} + 10\log(5725.00 - 5689.40) = 26.51 > 24\text{dBm}$

# 802.11ac (VHT80)

For 5.15~5.25GHz & 5.25~5.35GHz Band

| Chan. | Freq.<br>(MHz) | Maximum Conducted Power (dBm) |         | Total<br>Power<br>(mW) | Total<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Pass /<br>Fail |
|-------|----------------|-------------------------------|---------|------------------------|-------------------------|-------------------------|----------------|
|       |                | Chain 0                       | Chain 1 |                        |                         |                         |                |
| 42    | 5210           | 19.95                         | 20.11   | 201.421                | 23.04                   | 30.00                   | Pass           |
| 58    | 5290           | 19.08                         | 18.87   | 158.000                | 21.99                   | 24.00                   | Pass           |

Note:

For 5.25~5.35GHz Band:

Chain 0

1.  $11\text{dBm} + 10\log(81.94) = 30.13 > 24\text{dBm}$

Chain 1

1.  $11\text{dBm} + 10\log(81.86) = 30.13 > 24\text{dBm}$

### For 5.47~5.725GHz & 5.725~5.85GHz Band

| Channel | Freq. (MHz)                      | Maximum Conducted Power (dBm) |         |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|----------------------------------|-------------------------------|---------|---------|---------|------------------|-------------------|-------------|-------------|
|         |                                  | Chain 0                       | Chain 1 | Chain 2 | Chain 3 |                  |                   |             |             |
| 106     | 5530                             | 16.99                         | 17.38   | 16.67   | 17.30   | 204.860          | 23.11             | 24.00       | Pass        |
| 122     | 5610                             | 16.76                         | 17.44   | 16.59   | 17.72   | 207.647          | 23.17             | 24.00       | Pass        |
| 138     | 5690<br>For<br>5.47~5.725G<br>Hz | 13.37                         | 13.50   | 13.63   | 13.29   | 88.512           | 19.47             | 24.00       | Pass        |
| 138     | 5690<br>For<br>5.725~5.85G<br>Hz | -0.56                         | 0.92    | 2.39    | 0.40    | 4.945            | 6.94              | 30.00       | Pass        |
| 155     | 5775                             | 22.81                         | 23.49   | 22.63   | 23.03   | 798.483          | 29.02             | 30.00       | Pass        |

Note:

For 5.47~5.725GHz Band:

Chain 0

1.  $11\text{dBm} + 10\log(81.98) = 30.13 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(81.97) = 30.13 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(5725.00 - 5649.20) = 29.79 > 24\text{dBm}$

Chain 1

1.  $11\text{dBm} + 10\log(81.74) = 30.12 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(81.63) = 30.11 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(5725.00 - 5649.14) = 29.80 > 24\text{dBm}$

Chain 2

1.  $11\text{dBm} + 10\log(81.82) = 30.12 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(82.02) = 30.13 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(5725.00 - 5648.95) = 29.81 > 24\text{dBm}$

Chain 3

1.  $11\text{dBm} + 10\log(82.17) = 30.14 > 24\text{dBm}$
2.  $11\text{dBm} + 10\log(82.33) = 30.15 > 24\text{dBm}$
3.  $11\text{dBm} + 10\log(5725.00 - 5649.05) = 29.80 > 24\text{dBm}$

# 802.11ac (VHT160)

| Chan. | Freq. (MHz) | Maximum Conducted Power (dBm) |         |         |         | Total Power (mW) | Total Power (dBm) | Power Limit (dBm) | Pass / Fail |
|-------|-------------|-------------------------------|---------|---------|---------|------------------|-------------------|-------------------|-------------|
|       |             | Chain 0                       | Chain 1 | Chain 2 | Chain 3 |                  |                   |                   |             |
| 114   | 5570        | 16.89                         | 16.96   | 16.35   | 17.82   | 202.210          | 23.06             | 24.00             | Pass        |

Note:

For 5.47~5.725GHz Band:

Chain 0

1.  $11\text{dBm} + 10\log(162.55) = 33.10 > 24\text{dBm}$

Chain 1

1.  $11\text{dBm} + 10\log(163.27) = 33.12 > 24\text{dBm}$

Chain 2

1.  $11\text{dBm} + 10\log(162.61) = 33.11 > 24\text{dBm}$

Chain 3

1.  $11\text{dBm} + 10\log(162.38) = 33.10 > 24\text{dBm}$

## Beamforming Mode

802.11ax (HE20)

For 5.15~5.25GHz & 5.25~5.35GHz Band

| Chan. | Freq.<br>(MHz) | Maximum Conducted Power (dBm) |         | Total<br>Power<br>(mW) | Total<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Pass /<br>Fail |
|-------|----------------|-------------------------------|---------|------------------------|-------------------------|-------------------------|----------------|
|       |                | Chain 0                       | Chain 1 |                        |                         |                         |                |
| 36    | 5180           | 21.79                         | 22.59   | 332.560                | 25.22                   | 29.82                   | Pass           |
| 44    | 5220           | 26.05                         | 26.03   | 803.584                | 29.05                   | 29.82                   | Pass           |
| 48    | 5240           | 25.55                         | 25.54   | 717.018                | 28.56                   | 29.82                   | Pass           |
| 52    | 5260           | 20.10                         | 20.26   | 208.499                | 23.19                   | 23.89                   | Pass           |
| 60    | 5300           | 20.26                         | 20.56   | 219.932                | 23.42                   | 23.89                   | Pass           |
| 64    | 5320           | 20.26                         | 20.43   | 216.577                | 23.36                   | 23.89                   | Pass           |

Note:

5180~5240MHz Directional Gain = 6.18dBi > 6dBi, so the limit shall be reduced to 30-(6.18-6) = 29.82dBm.

5260~5320MHz Directional Gain = 6.11dBi > 6dBi, so the limit shall be reduced to 24-(6.11-6) = 23.89dBm.

For 5.25~5.35GHz Band:

Chain 0

1. 11dBm + 10log (22.13) = 24.44 > 24dBm
2. 11dBm + 10log (22.77) = 24.57 > 24dBm
3. 11dBm + 10log (22.28) = 24.47 > 24dBm

Chain 1

1. 11dBm + 10log (21.82) = 24.38 > 24dBm
2. 11dBm + 10log (21.69) = 24.36 > 24dBm
3. 11dBm + 10log (21.79) = 24.38 > 24dBm

### For 5.47~5.725GHz & 5.725~5.85GHz Band

| Channel | Freq. (MHz)                      | Maximum Conducted Power (dBm) |         |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|----------------------------------|-------------------------------|---------|---------|---------|------------------|-------------------|-------------|-------------|
|         |                                  | Chain 0                       | Chain 1 | Chain 2 | Chain 3 |                  |                   |             |             |
| 100     | 5500                             | 16.68                         | 16.62   | 16.17   | 16.63   | 179.904          | 22.55             | 22.62       | Pass        |
| 116     | 5580                             | 16.80                         | 16.41   | 15.41   | 16.83   | 174.564          | 22.42             | 22.62       | Pass        |
| 140     | 5700                             | 16.22                         | 16.90   | 16.07   | 16.65   | 177.553          | 22.49             | 22.62       | Pass        |
| 144     | 5720<br>For<br>5.47~5.725G<br>Hz | 14.13                         | 14.93   | 14.96   | 14.84   | 118.811          | 20.75             | 21.58       | Pass        |
| 144     | 5720<br>For<br>5.725~5.85G<br>Hz | 9.75                          | 9.59    | 10.14   | 9.74    | 38.286           | 15.83             | 29.39       | Pass        |
| 149     | 5745                             | 22.71                         | 23.04   | 23.38   | 23.76   | 843.465          | 29.26             | 29.39       | Pass        |
| 157     | 5785                             | 22.79                         | 22.91   | 23.30   | 23.80   | 839.221          | 29.24             | 29.39       | Pass        |
| 165     | 5825                             | 22.81                         | 22.89   | 23.28   | 23.79   | 837.667          | 29.23             | 29.39       | Pass        |

#### Note:

5500~5700MHz Directional Gain = 7.38dBi > 6dBi, so the limit shall be reduced to 24-(7.38-6) = 22.62dBm.

5720MHz Directional Gain = 7.38dBi > 6dBi, so the limit shall be reduced to 22.96-(7.38-6) = 21.58dBm.

5745~5825MHz Directional Gain = 6.61dBi > 6dBi, so the limit shall be reduced to 30-(6.61-6) = 29.39dBm.

#### For 5.47~5.725GHz Band:

##### Chain 0

1. 11dBm + 10log (21.71) = 24.36 > 24dBm
2. 11dBm + 10log (21.71) = 24.36 > 24dBm
3. 11dBm + 10log (21.88) = 24.40 > 24dBm
4. 11dBm + 10log (5725.00 - 5709.12) = 23.00 < 24dBm

##### Chain 1

1. 11dBm + 10log (21.77) = 24.37 > 24dBm
2. 11dBm + 10log (21.67) = 24.35 > 24dBm
3. 11dBm + 10log (21.83) = 24.39 > 24dBm
4. 11dBm + 10log (5725.00 - 5709.27) = 22.96 < 24dBm

##### Chain 2

1. 11dBm + 10log (21.78) = 24.38 > 24dBm
2. 11dBm + 10log (21.89) = 24.40 > 24dBm
3. 11dBm + 10log (21.94) = 24.41 > 24dBm
4. 11dBm + 10log (5725.00 - 5709.13) = 23.00 < 24dBm

##### Chain 3

1. 11dBm + 10log (21.85) = 24.39 > 24dBm
2. 11dBm + 10log (21.92) = 24.40 > 24dBm
3. 11dBm + 10log (21.81) = 24.38 > 24dBm
4. 11dBm + 10log (5725.00 - 5709.20) = 22.98 < 24dBm

# 802.11ax (HE40)

## For 5.15~5.25GHz & 5.25~5.35GHz Band

| Chan. | Freq.<br>(MHz) | Maximum Conducted Power (dBm) |         | Total<br>Power<br>(mW) | Total<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Pass /<br>Fail |
|-------|----------------|-------------------------------|---------|------------------------|-------------------------|-------------------------|----------------|
|       |                | Chain 0                       | Chain 1 |                        |                         |                         |                |
| 38    | 5190           | 20.66                         | 21.18   | 247.633                | 23.94                   | 29.82                   | Pass           |
| 46    | 5230           | 24.81                         | 25.01   | 619.648                | 27.92                   | 29.82                   | Pass           |
| 54    | 5270           | 20.26                         | 20.31   | 213.568                | 23.30                   | 23.89                   | Pass           |
| 62    | 5310           | 20.23                         | 19.87   | 202.490                | 23.06                   | 23.89                   | Pass           |

Note:

5180~5240MHz Directional Gain = 6.18dBi > 6dBi, so the limit shall be reduced to 30-(6.18-6) = 29.82dBm.

5260~5320MHz Directional Gain = 6.11dBi > 6dBi, so the limit shall be reduced to 24-(6.11-6) = 23.89dBm.

For 5.25~5.35GHz Band:

Chain 0

1. 11dBm + 10log (41.34) = 27.16 > 24dBm

2. 11dBm + 10log (41.37) = 27.16 > 24dBm

Chain 1

1. 11dBm + 10log (41.40) = 27.17 > 24dBm

2. 11dBm + 10log (41.34) = 27.16 > 24dBm

### For 5.47~5.725GHz & 5.725~5.85GHz Band

| Channel | Freq. (MHz)                      | Maximum Conducted Power (dBm) |         |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|----------------------------------|-------------------------------|---------|---------|---------|------------------|-------------------|-------------|-------------|
|         |                                  | Chain 0                       | Chain 1 | Chain 2 | Chain 3 |                  |                   |             |             |
| 102     | 5510                             | 16.89                         | 16.54   | 16.02   | 16.73   | 181.039          | 22.58             | 22.62       | Pass        |
| 110     | 5550                             | 15.83                         | 16.81   | 15.96   | 17.42   | 180.909          | 22.57             | 22.62       | Pass        |
| 134     | 5670                             | 16.77                         | 16.47   | 16.06   | 16.65   | 178.497          | 22.52             | 22.62       | Pass        |
| 142     | 5710<br>For<br>5.47~5.725G<br>Hz | 14.49                         | 15.10   | 14.47   | 14.50   | 116.652          | 20.67             | 22.62       | Pass        |
| 142     | 5710<br>For<br>5.725~5.85G<br>Hz | 5.58                          | 5.71    | 3.92    | 6.20    | 13.973           | 11.45             | 29.39       | Pass        |
| 151     | 5755                             | 23.18                         | 23.09   | 23.00   | 23.42   | 830.986          | 29.20             | 29.39       | Pass        |
| 159     | 5795                             | 22.82                         | 23.49   | 23.01   | 23.33   | 830.047          | 29.19             | 29.39       | Pass        |

Note:

5500~5720MHz Directional Gain = 7.38dBi > 6dBi, so the limit shall be reduced to 24-(7.38-6) = 22.62dBm.

5745~5825MHz Directional Gain = 6.61dBi > 6dBi, so the limit shall be reduced to 30-(6.61-6) = 29.39dBm.

For 5.47~5.725GHz Band:

Chain 0

1. 11dBm + 10log (41.31) = 27.16 > 24dBm
2. 11dBm + 10log (41.31) = 27.16 > 24dBm
3. 11dBm + 10log (41.35) = 27.16 > 24dBm
4. 11dBm + 10log (5725.00 - 5689.45) = 26.50 > 24dBm

Chain 1

1. 11dBm + 10log (41.07) = 27.13 > 24dBm
2. 11dBm + 10log (41.12) = 27.14 > 24dBm
3. 11dBm + 10log (41.08) = 27.13 > 24dBm
4. 11dBm + 10log (5725.00 - 5689.48) = 26.50 > 24dBm

Chain 2

1. 11dBm + 10log (41.30) = 27.15 > 24dBm
2. 11dBm + 10log (41.25) = 27.15 > 24dBm
3. 11dBm + 10log (41.15) = 27.14 > 24dBm
4. 11dBm + 10log (5725.00 - 5689.51) = 26.50 > 24dBm

Chain 3

1. 11dBm + 10log (41.35) = 27.16 > 24dBm
2. 11dBm + 10log (41.29) = 27.15 > 24dBm
3. 11dBm + 10log (41.25) = 27.15 > 24dBm
4. 11dBm + 10log (5725.00 - 5689.40) = 26.51 > 24dBm

# 802.11ax (HE80)

## For 5.15~5.25GHz & 5.25~5.35GHz Band

| Chan. | Freq.<br>(MHz) | Maximum Conducted Power (dBm) |         | Total<br>Power<br>(mW) | Total<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Pass /<br>Fail |
|-------|----------------|-------------------------------|---------|------------------------|-------------------------|-------------------------|----------------|
|       |                | Chain 0                       | Chain 1 |                        |                         |                         |                |
| 42    | 5210           | 19.92                         | 20.20   | 202.888                | 23.07                   | 29.82                   | Pass           |
| 58    | 5290           | 19.27                         | 18.99   | 163.778                | 22.14                   | 23.89                   | Pass           |

Note:

5180~5240MHz Directional Gain = 6.18dBi > 6dBi, so the limit shall be reduced to 30-(6.18-6) = 29.82dBm.

5260~5320MHz Directional Gain = 6.11dBi > 6dBi, so the limit shall be reduced to 24-(6.11-6) = 23.89dBm.

For 5.25~5.35GHz Band:

Chain 0

1. 11dBm + 10log (81.94) = 30.13 > 24dBm

Chain 1

1. 11dBm + 10log (81.86) = 30.13 > 24dBm

### For 5.47~5.725GHz & 5.725~5.85GHz Band

| Channel | Freq. (MHz)                      | Maximum Conducted Power (dBm) |         |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|----------------------------------|-------------------------------|---------|---------|---------|------------------|-------------------|-------------|-------------|
|         |                                  | Chain 0                       | Chain 1 | Chain 2 | Chain 3 |                  |                   |             |             |
| 106     | 5530                             | 16.43                         | 16.70   | 16.06   | 16.51   | 175.864          | 22.45             | 22.62       | Pass        |
| 122     | 5610                             | 16.05                         | 16.71   | 15.88   | 17.12   | 177.402          | 22.49             | 22.62       | Pass        |
| 138     | 5690<br>For<br>5.47~5.725G<br>Hz | 13.37                         | 13.50   | 13.63   | 13.29   | 88.512           | 19.47             | 22.62       | Pass        |
| 138     | 5690<br>For<br>5.725~5.85G<br>Hz | -0.56                         | 0.92    | 2.39    | 0.40    | 4.945            | 6.94              | 29.39       | Pass        |
| 155     | 5775                             | 22.79                         | 23.58   | 22.71   | 23.09   | 808.484          | 29.08             | 29.39       | Pass        |

Note:

5500~5720MHz Directional Gain = 7.38dBi > 6dBi, so the limit shall be reduced to 24-(7.38-6) = 22.62dBm.

5745~5825MHz Directional Gain = 6.61dBi > 6dBi, so the limit shall be reduced to 30-(6.61-6) = 29.39dBm.

For 5.47~5.725GHz Band:

Chain 0

1. 11dBm + 10log (81.98) = 30.13 > 24dBm
2. 11dBm + 10log (81.97) = 30.13 > 24dBm
3. 11dBm + 10log (5725.00 - 5649.20) = 29.79 > 24dBm

Chain 1

1. 11dBm + 10log (81.74) = 30.12 > 24dBm
2. 11dBm + 10log (81.63) = 30.11 > 24dBm
3. 11dBm + 10log (5725.00 - 5649.14) = 29.80 > 24dBm

Chain 2

1. 11dBm + 10log (81.82) = 30.12 > 24dBm
2. 11dBm + 10log (82.02) = 30.13 > 24dBm
3. 11dBm + 10log (5725.00 - 5648.95) = 29.81 > 24dBm

Chain 3

1. 11dBm + 10log (82.17) = 30.14 > 24dBm
2. 11dBm + 10log (82.33) = 30.15 > 24dBm
3. 11dBm + 10log (5725.00 - 5649.05) = 29.80 > 24dBm

### 802.11ax (HE160)

| Chan. | Freq. (MHz) | Maximum Conducted Power (dBm) |         |         |         | Total Power (mW) | Total Power (dBm) | Power Limit (dBm) | Pass / Fail |
|-------|-------------|-------------------------------|---------|---------|---------|------------------|-------------------|-------------------|-------------|
|       |             | Chain 0                       | Chain 1 | Chain 2 | Chain 3 |                  |                   |                   |             |
| 114   | 5570        | 16.27                         | 16.32   | 15.81   | 17.14   | 175.086          | 22.43             | 22.62             | Pass        |

Note:

5500~5720MHz Directional Gain = 7.38dBi > 6dBi, so the limit shall be reduced to  $24 - (7.38 - 6) = 22.62\text{dBm}$ .

For 5.47~5.725GHz Band:

Chain 0

1.  $11\text{dBm} + 10\log(162.55) = 33.10 > 24\text{dBm}$

Chain 1

1.  $11\text{dBm} + 10\log(163.27) = 33.12 > 24\text{dBm}$

Chain 2

1.  $11\text{dBm} + 10\log(162.61) = 33.11 > 24\text{dBm}$

Chain 3

1.  $11\text{dBm} + 10\log(162.38) = 33.10 > 24\text{dBm}$

# 802.11ac (VHT20)

## For 5.15~5.25GHz & 5.25~5.35GHz Band

| Chan. | Freq.<br>(MHz) | Maximum Conducted Power (dBm) |         | Total<br>Power<br>(mW) | Total<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Pass /<br>Fail |
|-------|----------------|-------------------------------|---------|------------------------|-------------------------|-------------------------|----------------|
|       |                | Chain 0                       | Chain 1 |                        |                         |                         |                |
| 36    | 5180           | 21.78                         | 22.53   | 329.721                | 25.18                   | 29.82                   | Pass           |
| 44    | 5220           | 26.04                         | 25.96   | 796.248                | 29.01                   | 29.82                   | Pass           |
| 48    | 5240           | 25.54                         | 25.45   | 708.848                | 28.51                   | 29.82                   | Pass           |
| 52    | 5260           | 20.06                         | 20.18   | 205.623                | 23.13                   | 23.89                   | Pass           |
| 60    | 5300           | 20.21                         | 20.53   | 217.934                | 23.38                   | 23.89                   | Pass           |
| 64    | 5320           | 20.15                         | 20.30   | 210.666                | 23.24                   | 23.89                   | Pass           |

### Note:

5180~5240MHz Directional Gain = 6.18dBi > 6dBi, so the limit shall be reduced to 30-(6.18-6) = 29.82dBm.

5260~5320MHz Directional Gain = 6.11dBi > 6dBi, so the limit shall be reduced to 24-(6.11-6) = 23.89dBm.

### For 5.25~5.35GHz Band:

#### Chain 0

1. 11dBm + 10log (22.13) = 24.44 > 24dBm
2. 11dBm + 10log (22.77) = 24.57 > 24dBm
3. 11dBm + 10log (22.28) = 24.47 > 24dBm

#### Chain 1

1. 11dBm + 10log (21.82) = 24.38 > 24dBm
2. 11dBm + 10log (21.69) = 24.36 > 24dBm
3. 11dBm + 10log (21.79) = 24.38 > 24dBm

### For 5.47~5.725GHz & 5.725~5.85GHz Band

| Channel | Freq. (MHz)                      | Maximum Conducted Power (dBm) |         |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|----------------------------------|-------------------------------|---------|---------|---------|------------------|-------------------|-------------|-------------|
|         |                                  | Chain 0                       | Chain 1 | Chain 2 | Chain 3 |                  |                   |             |             |
| 100     | 5500                             | 16.58                         | 16.47   | 16.09   | 16.52   | 175.379          | 22.44             | 22.62       | Pass        |
| 116     | 5580                             | 16.69                         | 16.40   | 15.38   | 16.70   | 171.605          | 22.35             | 22.62       | Pass        |
| 140     | 5700                             | 16.04                         | 16.73   | 15.97   | 16.63   | 172.839          | 22.38             | 22.62       | Pass        |
| 144     | 5720<br>For<br>5.47~5.725G<br>Hz | 14.13                         | 14.93   | 14.96   | 14.84   | 118.811          | 20.75             | 21.58       | Pass        |
| 144     | 5720<br>For<br>5.725~5.85G<br>Hz | 9.75                          | 9.59    | 10.14   | 9.74    | 38.286           | 15.83             | 29.39       | Pass        |
| 149     | 5745                             | 22.61                         | 22.94   | 23.35   | 23.64   | 826.657          | 29.17             | 29.39       | Pass        |
| 157     | 5785                             | 22.72                         | 22.85   | 23.21   | 23.76   | 826.916          | 29.17             | 29.39       | Pass        |
| 165     | 5825                             | 22.76                         | 22.84   | 23.19   | 23.70   | 823.980          | 29.16             | 29.39       | Pass        |

#### Note:

5500~5700MHz Directional Gain = 7.38dBi > 6dBi, so the limit shall be reduced to 24-(7.38-6) = 22.62dBm.

5720MHz Directional Gain = 7.38dBi > 6dBi, so the limit shall be reduced to 22.96-(7.38-6) = 21.58dBm.

5745~5825MHz Directional Gain = 6.61dBi > 6dBi, so the limit shall be reduced to 30-(6.61-6) = 29.39dBm.

#### For 5.47~5.725GHz Band:

##### Chain 0

1. 11dBm + 10log (21.71) = 24.36 > 24dBm
2. 11dBm + 10log (21.71) = 24.36 > 24dBm
3. 11dBm + 10log (21.88) = 24.40 > 24dBm
4. 11dBm + 10log (5725.00 - 5709.12) = 23.00 < 24dBm

##### Chain 1

1. 11dBm + 10log (21.77) = 24.37 > 24dBm
2. 11dBm + 10log (21.67) = 24.35 > 24dBm
3. 11dBm + 10log (21.83) = 24.39 > 24dBm
4. 11dBm + 10log (5725.00 - 5709.27) = 22.96 < 24dBm

##### Chain 2

1. 11dBm + 10log (21.78) = 24.38 > 24dBm
2. 11dBm + 10log (21.89) = 24.40 > 24dBm
3. 11dBm + 10log (21.94) = 24.41 > 24dBm
4. 11dBm + 10log (5725.00 - 5709.13) = 23.00 < 24dBm

##### Chain 3

1. 11dBm + 10log (21.85) = 24.39 > 24dBm
2. 11dBm + 10log (21.92) = 24.40 > 24dBm
3. 11dBm + 10log (21.81) = 24.38 > 24dBm
4. 11dBm + 10log (5725.00 - 5709.20) = 22.98 < 24dBm

# 802.11ac (VHT40)

## For 5.15~5.25GHz & 5.25~5.35GHz Band

| Chan. | Freq.<br>(MHz) | Maximum Conducted Power (dBm) |         | Total<br>Power<br>(mW) | Total<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Pass /<br>Fail |
|-------|----------------|-------------------------------|---------|------------------------|-------------------------|-------------------------|----------------|
|       |                | Chain 0                       | Chain 1 |                        |                         |                         |                |
| 38    | 5190           | 20.49                         | 21.02   | 238.417                | 23.77                   | 29.82                   | Pass           |
| 46    | 5230           | 24.64                         | 24.89   | 599.391                | 27.78                   | 29.82                   | Pass           |
| 54    | 5270           | 20.20                         | 20.20   | 209.426                | 23.21                   | 23.89                   | Pass           |
| 62    | 5310           | 20.06                         | 19.76   | 196.015                | 22.92                   | 23.89                   | Pass           |

Note:

5180~5240MHz Directional Gain = 6.18dBi > 6dBi, so the limit shall be reduced to 30-(6.18-6) = 29.82dBm.

5260~5320MHz Directional Gain = 6.11dBi > 6dBi, so the limit shall be reduced to 24-(6.11-6) = 23.89dBm.

For 5.25~5.35GHz Band:

Chain 0

1. 11dBm + 10log (41.34) = 27.16 > 24dBm

2. 11dBm + 10log (41.37) = 27.16 > 24dBm

Chain 1

1. 11dBm + 10log (41.40) = 27.17 > 24dBm

2. 11dBm + 10log (41.34) = 27.16 > 24dBm

For 5.47~5.725GHz & 5.725~5.85GHz Band

| Channel | Freq. (MHz)                      | Maximum Conducted Power (dBm) |         |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|----------------------------------|-------------------------------|---------|---------|---------|------------------|-------------------|-------------|-------------|
|         |                                  | Chain 0                       | Chain 1 | Chain 2 | Chain 3 |                  |                   |             |             |
| 102     | 5510                             | 16.76                         | 16.35   | 15.90   | 16.64   | 175.612          | 22.45             | 22.62       | Pass        |
| 110     | 5550                             | 15.79                         | 16.66   | 15.94   | 17.38   | 178.242          | 22.51             | 22.62       | Pass        |
| 134     | 5670                             | 16.65                         | 16.38   | 15.93   | 16.52   | 173.738          | 22.40             | 22.62       | Pass        |
| 142     | 5710<br>For<br>5.47~5.725G<br>Hz | 14.49                         | 15.10   | 14.47   | 14.50   | 116.652          | 20.67             | 22.62       | Pass        |
| 142     | 5710<br>For<br>5.725~5.85G<br>Hz | 5.58                          | 5.71    | 3.92    | 6.20    | 13.973           | 11.45             | 29.39       | Pass        |
| 151     | 5755                             | 23.19                         | 23.02   | 23.02   | 23.37   | 826.614          | 29.17             | 29.39       | Pass        |
| 159     | 5795                             | 22.77                         | 23.56   | 22.93   | 23.26   | 824.393          | 29.16             | 29.39       | Pass        |

Note:

5500~5720MHz Directional Gain = 7.38dBi > 6dBi, so the limit shall be reduced to 24-(7.38-6) = 22.62dBm.

5745~5825MHz Directional Gain = 6.61dBi > 6dBi, so the limit shall be reduced to 30-(6.61-6) = 29.39dBm.

For 5.47~5.725GHz Band:

Chain 0

1. 11dBm + 10log (41.31) = 27.16 > 24dBm
2. 11dBm + 10log (41.31) = 27.16 > 24dBm
3. 11dBm + 10log (41.35) = 27.16 > 24dBm
4. 11dBm + 10log (5725.00 - 5689.45) = 26.50 > 24dBm

Chain 1

1. 11dBm + 10log (41.07) = 27.13 > 24dBm
2. 11dBm + 10log (41.12) = 27.14 > 24dBm
3. 11dBm + 10log (41.08) = 27.13 > 24dBm
4. 11dBm + 10log (5725.00 - 5689.48) = 26.50 > 24dBm

Chain 2

1. 11dBm + 10log (41.30) = 27.15 > 24dBm
2. 11dBm + 10log (41.25) = 27.15 > 24dBm
3. 11dBm + 10log (41.15) = 27.14 > 24dBm
4. 11dBm + 10log (5725.00 - 5689.51) = 26.50 > 24dBm

Chain 3

1. 11dBm + 10log (41.35) = 27.16 > 24dBm
2. 11dBm + 10log (41.29) = 27.15 > 24dBm
3. 11dBm + 10log (41.25) = 27.15 > 24dBm
4. 11dBm + 10log (5725.00 - 5689.40) = 26.51 > 24dBm

# 802.11ac (VHT80)

## For 5.15~5.25GHz & 5.25~5.35GHz Band

| Chan. | Freq.<br>(MHz) | Maximum Conducted Power (dBm) |         | Total<br>Power<br>(mW) | Total<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Pass /<br>Fail |
|-------|----------------|-------------------------------|---------|------------------------|-------------------------|-------------------------|----------------|
|       |                | Chain 0                       | Chain 1 |                        |                         |                         |                |
| 42    | 5210           | 19.95                         | 20.11   | 201.421                | 23.04                   | 29.82                   | Pass           |
| 58    | 5290           | 19.08                         | 18.87   | 158.000                | 21.99                   | 23.89                   | Pass           |

### Note:

5180~5240MHz Directional Gain = 6.18dBi > 6dBi, so the limit shall be reduced to  $30 - (6.18 - 6) = 29.82\text{dBm}$ .

5260~5320MHz Directional Gain = 6.11dBi > 6dBi, so the limit shall be reduced to  $24 - (6.11 - 6) = 23.89\text{dBm}$ .

### For 5.25~5.35GHz Band:

#### Chain 0

$$1. 11\text{dBm} + 10\log(81.94) = 30.13 > 24\text{dBm}$$

#### Chain 1

$$1. 11\text{dBm} + 10\log(81.86) = 30.13 > 24\text{dBm}$$

### For 5.47~5.725GHz & 5.725~5.85GHz Band

| Channel | Freq. (MHz)                      | Maximum Conducted Power (dBm) |         |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|---------|----------------------------------|-------------------------------|---------|---------|---------|------------------|-------------------|-------------|-------------|
|         |                                  | Chain 0                       | Chain 1 | Chain 2 | Chain 3 |                  |                   |             |             |
| 106     | 5530                             | 16.27                         | 16.53   | 15.95   | 16.50   | 171.366          | 22.34             | 22.62       | Pass        |
| 122     | 5610                             | 16.00                         | 16.60   | 15.72   | 17.07   | 173.778          | 22.40             | 22.62       | Pass        |
| 138     | 5690<br>For<br>5.47~5.725G<br>Hz | 13.37                         | 13.50   | 13.63   | 13.29   | 88.512           | 19.47             | 22.62       | Pass        |
| 138     | 5690<br>For<br>5.725~5.85G<br>Hz | -0.56                         | 0.92    | 2.39    | 0.40    | 4.945            | 6.94              | 29.39       | Pass        |
| 155     | 5775                             | 22.81                         | 23.49   | 22.63   | 23.03   | 798.483          | 29.02             | 29.39       | Pass        |

Note:

5500~5720MHz Directional Gain = 7.38dBi > 6dBi, so the limit shall be reduced to 24-(7.38-6) = 22.62dBm.

5745~5825MHz Directional Gain = 6.61dBi > 6dBi, so the limit shall be reduced to 30-(6.61-6) = 29.39dBm.

For 5.47~5.725GHz Band:

Chain 0

1. 11dBm + 10log (81.98) = 30.13 > 24dBm
2. 11dBm + 10log (81.97) = 30.13 > 24dBm
3. 11dBm + 10log (5725.00 - 5649.20) = 29.79 > 24dBm

Chain 1

1. 11dBm + 10log (81.74) = 30.12 > 24dBm
2. 11dBm + 10log (81.63) = 30.11 > 24dBm
3. 11dBm + 10log (5725.00 - 5649.14) = 29.80 > 24dBm

Chain 2

1. 11dBm + 10log (81.82) = 30.12 > 24dBm
2. 11dBm + 10log (82.02) = 30.13 > 24dBm
3. 11dBm + 10log (5725.00 - 5648.95) = 29.81 > 24dBm

Chain 3

1. 11dBm + 10log (82.17) = 30.14 > 24dBm
2. 11dBm + 10log (82.33) = 30.15 > 24dBm
3. 11dBm + 10log (5725.00 - 5649.05) = 29.80 > 24dBm

## 802.11ac (VHT160)

| Chan. | Freq. (MHz) | Maximum Conducted Power (dBm) |         |         |         | Total Power (mW) | Total Power (dBm) | Power Limit (dBm) | Pass / Fail |
|-------|-------------|-------------------------------|---------|---------|---------|------------------|-------------------|-------------------|-------------|
|       |             | Chain 0                       | Chain 1 | Chain 2 | Chain 3 |                  |                   |                   |             |
| 114   | 5570        | 16.20                         | 16.22   | 15.65   | 17.12   | 171.817          | 22.35             | 22.62             | Pass        |

Note:

5500~5720MHz Directional Gain = 7.38dBi > 6dBi, so the limit shall be reduced to  $24 - (7.38 - 6) = 22.62\text{dBm}$ .

For 5.47~5.725GHz Band:

Chain 0

$$1. 11\text{dBm} + 10\log(162.55) = 33.10 > 24\text{dBm}$$

Chain 1

$$1. 11\text{dBm} + 10\log(163.27) = 33.12 > 24\text{dBm}$$

Chain 2

$$1. 11\text{dBm} + 10\log(162.61) = 33.11 > 24\text{dBm}$$

Chain 3

$$1. 11\text{dBm} + 10\log(162.38) = 33.10 > 24\text{dBm}$$

26dB Bandwidth:

For 5.25~5.35GHz Band

802.11a

| Chan. | Freq.<br>(MHz) | 26dBc Bandwidth (MHz) |         |
|-------|----------------|-----------------------|---------|
|       |                | Chain 0               | Chain 1 |
| 52    | 5260           | 21.54                 | 21.58   |
| 60    | 5300           | 21.65                 | 21.59   |
| 64    | 5320           | 21.58                 | 21.53   |

802.11ax (HE20)

| Chan. | Freq.<br>(MHz) | 26dBc Bandwidth (MHz) |         |
|-------|----------------|-----------------------|---------|
|       |                | Chain 0               | Chain 1 |
| 52    | 5260           | 22.13                 | 21.82   |
| 60    | 5300           | 22.77                 | 21.69   |
| 64    | 5320           | 22.28                 | 21.79   |

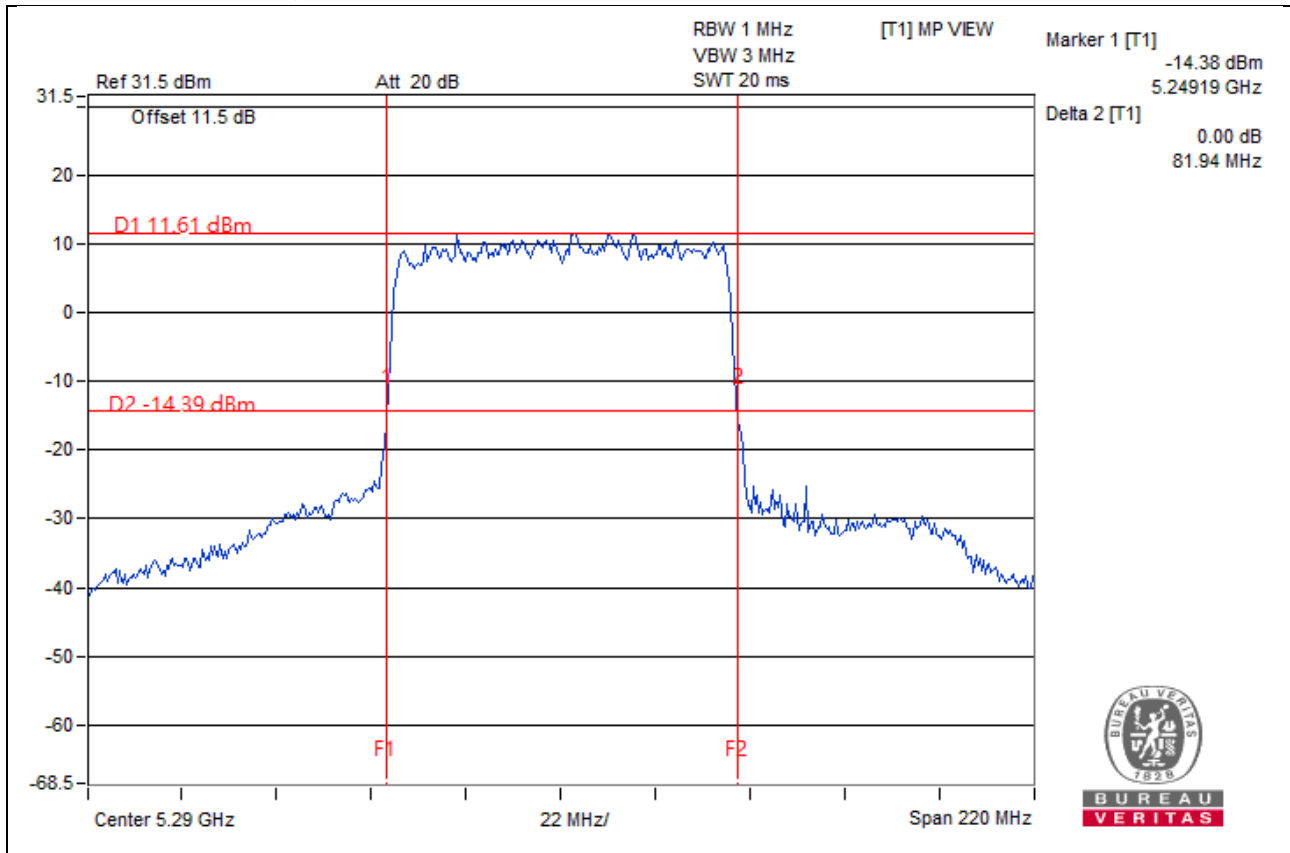
802.11ax (HE40)

| Chan. | Freq.<br>(MHz) | 26dBc Bandwidth (MHz) |         |
|-------|----------------|-----------------------|---------|
|       |                | Chain 0               | Chain 1 |
| 54    | 5270           | 41.34                 | 41.40   |
| 62    | 5310           | 41.37                 | 41.34   |

802.11ax (HE80)

| Chan. | Freq.<br>(MHz) | 26dBc Bandwidth (MHz) |         |
|-------|----------------|-----------------------|---------|
|       |                | Chain 0               | Chain 1 |
| 58    | 5290           | 81.94                 | 81.86   |

\*此測試圖僅放測試結果最差的頻道。



# For 5.47~5.725GHz & 5.725~5.85GHz Band

## 802.11a

| Channel | Frequency (MHz)             | 26dBc Bandwidth (MHz) |         |         |         |
|---------|-----------------------------|-----------------------|---------|---------|---------|
|         |                             | Chain 0               | Chain 1 | Chain 2 | Chain 3 |
| 100     | 5500                        | 21.63                 | 21.81   | 21.77   | 21.69   |
| 116     | 5580                        | 21.64                 | 21.87   | 21.78   | 21.48   |
| 140     | 5700                        | 21.57                 | 21.85   | 21.72   | 21.67   |
| 144     | 5720<br>(For 5.47~5.725GHz) | 15.75                 | 15.67   | 15.82   | 15.68   |
| 144     | 5720<br>(For 5.725~5.85GHz) | 5.91                  | 6.01    | 5.94    | 5.98    |

## 802.11ax (HE20)

| Channel | Frequency (MHz)             | 26dBc Bandwidth (MHz) |         |         |         |
|---------|-----------------------------|-----------------------|---------|---------|---------|
|         |                             | Chain 0               | Chain 1 | Chain 2 | Chain 3 |
| 100     | 5500                        | 21.71                 | 21.77   | 21.78   | 21.85   |
| 116     | 5580                        | 21.71                 | 21.67   | 21.89   | 21.92   |
| 140     | 5700                        | 21.88                 | 21.83   | 21.94   | 21.81   |
| 144     | 5720<br>(For 5.47~5.725GHz) | 15.88                 | 15.73   | 15.87   | 15.80   |
| 144     | 5720<br>(For 5.725~5.85GHz) | 5.95                  | 5.90    | 6.00    | 6.07    |

## 802.11ax (HE40)

| Channel | Frequency (MHz)             | 26dBc Bandwidth (MHz) |         |         |         |
|---------|-----------------------------|-----------------------|---------|---------|---------|
|         |                             | Chain 0               | Chain 1 | Chain 2 | Chain 3 |
| 102     | 5510                        | 41.31                 | 41.07   | 41.30   | 41.35   |
| 110     | 5550                        | 41.31                 | 41.12   | 41.25   | 41.29   |
| 134     | 5670                        | 41.35                 | 41.08   | 41.15   | 41.25   |
| 142     | 5710<br>(For 5.47~5.725GHz) | 35.55                 | 35.52   | 35.49   | 35.60   |
| 142     | 5710<br>(For 5.725~5.85GHz) | 5.67                  | 5.50    | 5.67    | 5.68    |

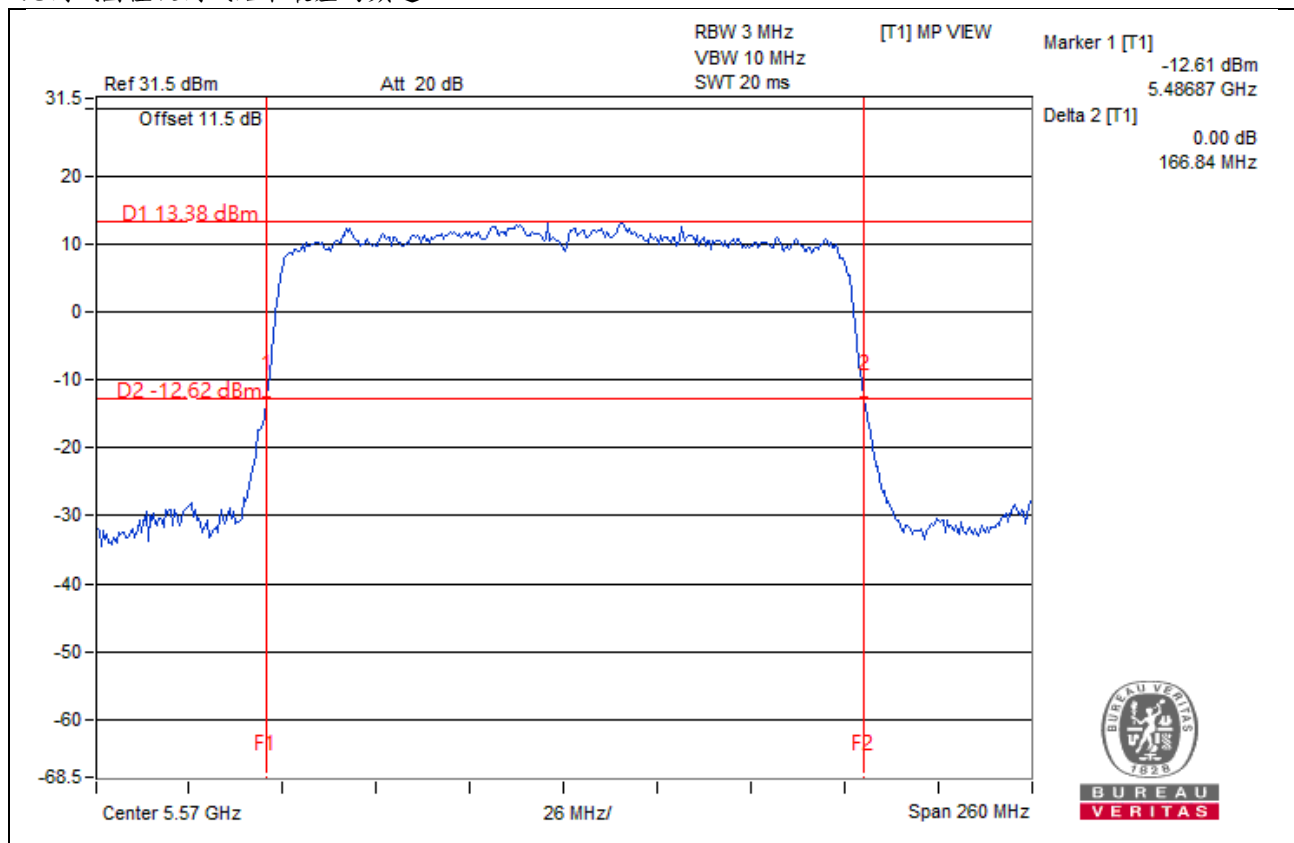
## 802.11ax (HE80)

| Channel | Frequency (MHz)             | 26dBc Bandwidth (MHz) |         |         |         |
|---------|-----------------------------|-----------------------|---------|---------|---------|
|         |                             | Chain 0               | Chain 1 | Chain 2 | Chain 3 |
| 106     | 5530                        | 81.98                 | 81.74   | 81.82   | 82.17   |
| 122     | 5610                        | 81.97                 | 81.63   | 82.02   | 82.33   |
| 138     | 5690<br>(For 5.47~5.725GHz) | 75.80                 | 75.86   | 76.05   | 75.95   |
| 138     | 5690<br>(For 5.725~5.85GHz) | 6.25                  | 5.96    | 6.03    | 6.17    |

## 802.11ax (HE160)

| Channel | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |         |         |
|---------|-----------------|-----------------------|---------|---------|---------|
|         |                 | Chain 0               | Chain 1 | Chain 2 | Chain 3 |
| 114     | 5570            | 166.03                | 166.59  | 166.77  | 166.84  |

\*此測試圖僅放測試結果最差的頻道。



## 11.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

## 12 功率頻譜密度之量測

### 12.1 適用標準

| 待測物操作頻帶                                                 | 適用標準                                                                                |
|---------------------------------------------------------|-------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> 5.15 GHz~5.25 GHz   | <input type="checkbox"/> 請見本報告 3.1 節第 7 項(II) (A)及 4 項(II)(A)的規定(供戶外操作使用)           |
|                                                         | <input checked="" type="checkbox"/> 請見本報告 3.1 節第 7 項(II)(A)及 4 項(II)(B)的規定(供室內操作使用) |
|                                                         | <input type="checkbox"/> 請見本報告 3.1 節第 7 項(II)(A)及 4 項(II)(C)的規定(供固定式點對點操作使用)        |
|                                                         | <input type="checkbox"/> 請見本報告 3.1 節第 7 項(II)(B)及 4 項(II)(D)的規定(供用戶端裝置使用)           |
| <input checked="" type="checkbox"/> 5.25 GHz~5.35 GHz   | 請見本報告 3.1 節第 7 項(III)及 4 項(III)的規定                                                  |
| <input checked="" type="checkbox"/> 5.470 GHz~5.725 GHz | 請見本報告 3.1 節第 7 項(III)及 4 項(III)的規定                                                  |
| <input checked="" type="checkbox"/> 5.725 GHz~5.850 GHz | 請見本報告 3.1 節第 7 項(IV)及 4 項(IV)的規定                                                    |

### 12.2 量測方法

For 5180~5240MHz, 5260~5320MHz and 5500 ~ 5720MHz:

Duty cycle of test signal is < 98%

Using method SA-2

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1MHz, Set VBW  $\geq$  3 MHz, Detector = RMS
- Set Channel power measure = 1MHz
- Sweep time = auto, trigger set to "free run".
- Trace average at least 100 traces in power averaging mode.
- Record the max value and add 10 log (1/duty cycle)

For 5745~5825MHz:

Duty cycle of test signal is < 98%

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300 kHz, Set VBW  $\geq$  1 MHz, Detector = RMS
- Use the peak marker function to determine the maximum power level in any 300 kHz band segment within the fundamental EBW.
- Scale the observed power level to an equivalent value in 500 kHz by adjusting (raising) the measured power by a bandwidth correction factor (BWCF) where  $BWCF = 10\log(500 \text{ kHz}/300\text{kHz})$
- Sweep time = auto, trigger set to "free run".
- Trace average at least 100 traces in power averaging mode.
- Record the max value and add 10 log (1/duty cycle)

### 12.3 量測儀器

同 8.3 節。

### 12.4 測試配置

同 8.4 節。

## 12.5 量測結果

|        |      |        |                 |
|--------|------|--------|-----------------|
| 操作模式   | 發射   | 測試日期   | 109 年 07 月 25 日 |
| 量測場地溫度 | 25°C | 量測場地濕度 | 60%RH           |
| 測試者    | 林山銘  |        |                 |

For 5180~5240MHz, 5260~5320MHz

### 802.11a

| Chan. | Freq.<br>(MHz) | PSD W/O Duty Factor<br>(dBm/MHz) |         | Duty Factor<br>(dB) | Total PSD<br>With Duty<br>Factor<br>(dBm/MHz) | Max. Limit<br>(dBm/MHz) | Pass /<br>Fail |
|-------|----------------|----------------------------------|---------|---------------------|-----------------------------------------------|-------------------------|----------------|
|       |                | Chain 0                          | Chain 1 |                     |                                               |                         |                |
| 36    | 5180           | 6.41                             | 7.02    | 0.24                | 9.98                                          | 16.82                   | Pass           |
| 44    | 5220           | 11.00                            | 10.80   | 0.24                | 14.15                                         | 16.82                   | Pass           |
| 48    | 5240           | 10.83                            | 10.09   | 0.24                | 13.73                                         | 16.82                   | Pass           |
| 52    | 5260           | 6.87                             | 7.11    | 0.24                | 10.24                                         | 10.89                   | Pass           |
| 60    | 5300           | 6.98                             | 6.92    | 0.24                | 10.20                                         | 10.89                   | Pass           |
| 64    | 5320           | 6.45                             | 6.21    | 0.24                | 9.58                                          | 10.89                   | Pass           |

Note:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- 5180~5240MHz Directional gain = 6.18dBi > 6dBi, so the power density limit shall be reduced to 17-(6.18-6) = 16.82dBm.  
5260~5320MHz Directional gain = 6.11dBi > 6dBi, so the power density limit shall be reduced to 11-(6.11-6) = 10.89dBm.
- Refer to section 2.1 for duty cycle spectrum plot.

### 802.11ax (HE20)

| Chan. | Freq.<br>(MHz) | PSD W/O Duty Factor<br>(dBm/MHz) |         | Duty Factor<br>(dB) | Total PSD<br>With Duty<br>Factor<br>(dBm/MHz) | Max. Limit<br>(dBm/MHz) | Pass /<br>Fail |
|-------|----------------|----------------------------------|---------|---------------------|-----------------------------------------------|-------------------------|----------------|
|       |                | Chain 0                          | Chain 1 |                     |                                               |                         |                |
| 36    | 5180           | 7.45                             | 7.77    | 0.26                | 10.88                                         | 16.82                   | Pass           |
| 44    | 5220           | 10.93                            | 10.71   | 0.26                | 14.09                                         | 16.82                   | Pass           |
| 48    | 5240           | 10.51                            | 10.16   | 0.26                | 13.61                                         | 16.82                   | Pass           |
| 52    | 5260           | 6.92                             | 6.98    | 0.26                | 10.22                                         | 10.89                   | Pass           |
| 60    | 5300           | 6.63                             | 6.63    | 0.26                | 9.90                                          | 10.89                   | Pass           |
| 64    | 5320           | 6.40                             | 6.24    | 0.26                | 9.59                                          | 10.89                   | Pass           |

Note:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- 5180~5240MHz Directional gain = 6.18dBi > 6dBi, so the power density limit shall be reduced to 17-(6.18-6) = 16.82dBm.  
5260~5320MHz Directional gain = 6.11dBi > 6dBi, so the power density limit shall be reduced to 11-(6.11-6) = 10.89dBm.
- Refer to section 2.1 for duty cycle spectrum plot.

#### 802.11ax (HE40)

| Chan. | Freq.<br>(MHz) | PSD W/O Duty Factor<br>(dBm/MHz) |         | Duty Factor<br>(dB) | Total PSD<br>With Duty<br>Factor<br>(dBm/MHz) | Max. Limit<br>(dBm/MHz) | Pass /<br>Fail |
|-------|----------------|----------------------------------|---------|---------------------|-----------------------------------------------|-------------------------|----------------|
|       |                | Chain 0                          | Chain 1 |                     |                                               |                         |                |
| 38    | 5190           | 3.13                             | 3.79    | 0.38                | 6.86                                          | 16.82                   | Pass           |
| 46    | 5230           | 7.61                             | 7.55    | 0.38                | 10.97                                         | 16.82                   | Pass           |
| 54    | 5270           | 4.29                             | 4.36    | 0.38                | 7.72                                          | 10.89                   | Pass           |
| 62    | 5310           | 2.92                             | 2.77    | 0.38                | 6.24                                          | 10.89                   | Pass           |

Note:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- 5180~5240MHz Directional gain = 6.18dBi > 6dBi, so the power density limit shall be reduced to 17-(6.18-6) = 16.82dBm.  
5260~5320MHz Directional gain = 6.11dBi > 6dBi, so the power density limit shall be reduced to 11-(6.11-6) = 10.89dBm.
- Refer to section 2.1 for duty cycle spectrum plot.

#### 802.11ax (HE80)

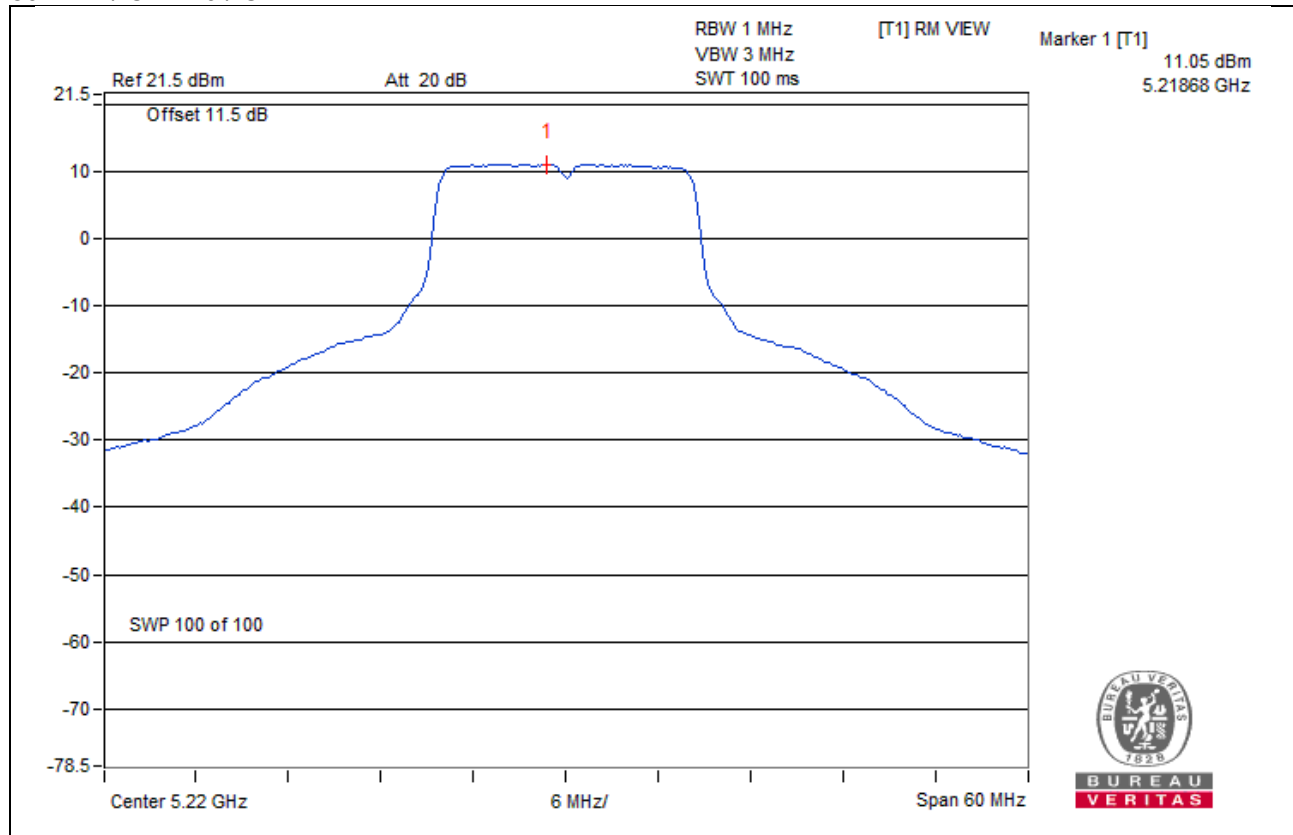
| Chan. | Freq.<br>(MHz) | PSD W/O Duty Factor<br>(dBm/MHz) |         | Duty Factor<br>(dB) | Total PSD<br>With Duty<br>Factor<br>(dBm/MHz) | Max. Limit<br>(dBm/MHz) | Pass /<br>Fail |
|-------|----------------|----------------------------------|---------|---------------------|-----------------------------------------------|-------------------------|----------------|
|       |                | Chain 0                          | Chain 1 |                     |                                               |                         |                |
| 42    | 5210           | 1.11                             | 0.77    | 0.81                | 4.76                                          | 16.82                   | Pass           |
| 58    | 5290           | -1.06                            | -0.37   | 0.81                | 3.12                                          | 10.89                   | Pass           |

Note:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- 5180~5240MHz Directional gain = 6.18dBi > 6dBi, so the power density limit shall be reduced to 17-(6.18-6) = 16.82dBm.  
5260~5320MHz Directional gain = 6.11dBi > 6dBi, so the power density limit shall be reduced to 11-(6.11-6) = 10.89dBm.
- Refer to section 2.1 for duty cycle spectrum plot.

\*此測試圖僅放測試結果最差的頻道。

802.11a / Chain 0 / CH 44



For 5500 ~ 5720MHz

802.11a

| Chan. | Freq.<br>(MHz)       | PSD W/O Duty Factor (dBm/MHz) |         |         |         | Total PSD<br>(dBm/MHz) | Max. Limit<br>(dBm/MHz) | Pass<br>/ Fail |
|-------|----------------------|-------------------------------|---------|---------|---------|------------------------|-------------------------|----------------|
|       |                      | Chain 0                       | Chain 1 | Chain 2 | Chain 3 |                        |                         |                |
| 100   | 5500                 | 3.54                          | 3.49    | 3.54    | 3.68    | 9.58                   | 9.62                    | Pass           |
| 116   | 5580                 | 3.02                          | 3.65    | 3.51    | 3.87    | 9.54                   | 9.62                    | Pass           |
| 140   | 5700                 | 3.41                          | 3.64    | 3.54    | 3.67    | 9.59                   | 9.62                    | Pass           |
| 144   | 5720<br>For U-NII-2C | 3.52                          | 3.67    | 3.47    | 3.66    | 9.60                   | 9.62                    | Pass           |

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. 5500~5720MHz Directional gain = 7.38dBi > 6dBi, so the power density limit shall be reduced to  $11-(7.38-6) = 9.62\text{dBm}$ .

802.11ax (HE20)

| Chan. | Freq.<br>(MHz)       | PSD W/O Duty Factor (dBm/MHz) |         |         |         | Total PSD<br>(dBm/MHz) | Max. Limit<br>(dBm/MHz) | Pass<br>/ Fail |
|-------|----------------------|-------------------------------|---------|---------|---------|------------------------|-------------------------|----------------|
|       |                      | Chain 0                       | Chain 1 | Chain 2 | Chain 3 |                        |                         |                |
| 100   | 5500                 | 3.43                          | 3.52    | 3.44    | 3.73    | 9.55                   | 9.62                    | Pass           |
| 116   | 5580                 | 2.98                          | 3.75    | 3.71    | 3.74    | 9.58                   | 9.62                    | Pass           |
| 140   | 5700                 | 3.56                          | 3.38    | 3.71    | 3.49    | 9.56                   | 9.62                    | Pass           |
| 144   | 5720<br>For U-NII-2C | 3.39                          | 3.59    | 3.51    | 3.76    | 9.59                   | 9.62                    | Pass           |

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. 5500~5720MHz Directional gain = 7.38dBi > 6dBi, so the power density limit shall be reduced to  $11-(7.38-6) = 9.62\text{dBm}$ .

802.11ax (HE40)

| Chan. | Freq.<br>(MHz)       | PSD W/O Duty Factor (dBm/MHz) |         |         |         | Total PSD<br>(dBm/MHz) | Max. Limit<br>(dBm/MHz) | Pass<br>/ Fail |
|-------|----------------------|-------------------------------|---------|---------|---------|------------------------|-------------------------|----------------|
|       |                      | Chain 0                       | Chain 1 | Chain 2 | Chain 3 |                        |                         |                |
| 102   | 5510                 | 0.58                          | 1.43    | 0.99    | 1.11    | 7.06                   | 9.62                    | Pass           |
| 110   | 5550                 | 1.31                          | 2.23    | 2.20    | 2.08    | 7.99                   | 9.62                    | Pass           |
| 134   | 5670                 | 0.66                          | 1.42    | 0.94    | 1.12    | 7.06                   | 9.62                    | Pass           |
| 142   | 5710<br>For U-NII-2C | 0.76                          | 1.37    | 0.89    | 1.18    | 7.08                   | 9.62                    | Pass           |

Note:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. 5500~5720MHz Directional gain = 7.38dBi > 6dBi, so the power density limit shall be reduced to  $11-(7.38-6) = 9.62\text{dBm}$ .

## 802.11ax (HE80)

| Chan. | Freq.<br>(MHz)       | PSD W/O Duty Factor (dBm/MHz) |         |         |         | Total PSD<br>(dBm/MHz) | Max. Limit<br>(dBm/MHz) | Pass<br>/ Fail |
|-------|----------------------|-------------------------------|---------|---------|---------|------------------------|-------------------------|----------------|
|       |                      | Chain 0                       | Chain 1 | Chain 2 | Chain 3 |                        |                         |                |
| 106   | 5530                 | -1.56                         | -1.12   | -1.19   | -1.09   | 4.78                   | 9.62                    | Pass           |
| 122   | 5610                 | -2.46                         | -1.68   | -2.15   | -2.36   | 3.87                   | 9.62                    | Pass           |
| 138   | 5690<br>For U-NII-2C | -2.30                         | -2.03   | -2.03   | -2.16   | 3.89                   | 9.62                    | Pass           |

Note:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- 2.5500~5720MHz Directional gain = 7.38dBi > 6dBi, so the power density limit shall be reduced to  $11-(7.38-6) = 9.62\text{dBm}$ .

## 802.11ax (HE160)

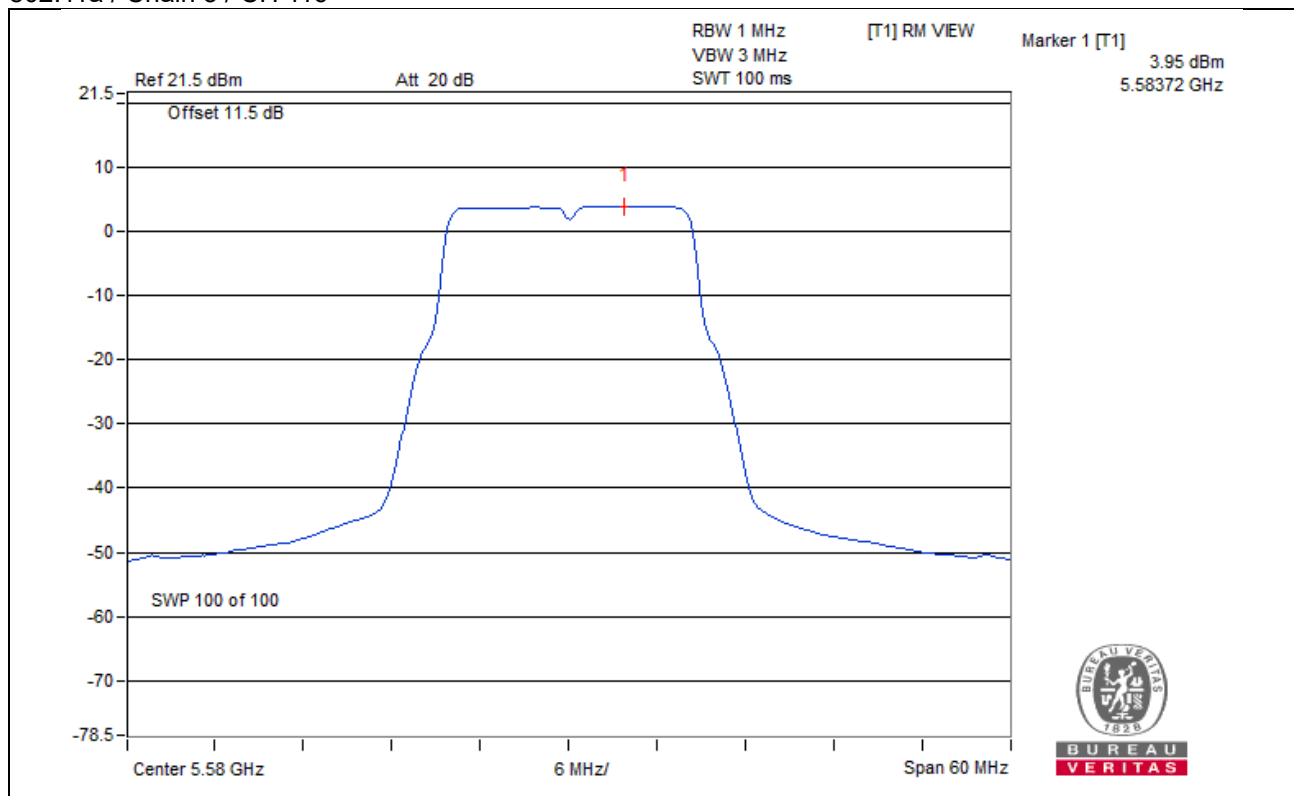
| Chan. | Freq.<br>(MHz) | PSD W/O Duty Factor (dBm/MHz) |         |         |         | Duty<br>Factor<br>(dB) | Total PSD With<br>Duty Factor<br>(dBm/MHz) | Max. Limit<br>(dBm/MHz) | Pass<br>/ Fail |
|-------|----------------|-------------------------------|---------|---------|---------|------------------------|--------------------------------------------|-------------------------|----------------|
|       |                | Chain 0                       | Chain 1 | Chain 2 | Chain 3 |                        |                                            |                         |                |
| 114   | 5570           | -5.41                         | -4.34   | -4.91   | -4.84   | 0.59                   | 1.75                                       | 9.62                    | Pass           |

Note:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- 2.5500~5720MHz Directional gain = 7.38dBi > 6dBi, so the power density limit shall be reduced to  $11-(7.38-6) = 9.62\text{dBm}$ .
- Refer to section 2.1 for duty cycle spectrum plot.

\*此測試圖僅放測試結果最差的頻道。

## 802.11a / Chain 3 / CH 116



For 5745~5825MHz  
802.11a

| TX chain | Channel | Chan. Freq. (MHz)        | PSD W/O Duty Factor |               | 10 log (N=4) dB | Total PSD (dBm/ 500kHz) | Limit (dBm/ 500kHz) | Pass / Fail |
|----------|---------|--------------------------|---------------------|---------------|-----------------|-------------------------|---------------------|-------------|
|          |         |                          | (dBm/ 300kHz)       | (dBm/ 500kHz) |                 |                         |                     |             |
| 0        | 144     | 5720<br>For 5745~5825MHz | -4.90               | -2.68         | 6.02            | 3.34                    | 29.39               | Pass        |
|          | 149     | 5745                     | 0.08                | 2.30          | 6.02            | 8.43                    | 29.39               | Pass        |
|          | 157     | 5785                     | 0.19                | 2.41          | 6.02            | 8.45                    | 29.39               | Pass        |
|          | 165     | 5825                     | 0.21                | 2.43          | 6.02            | 8.35                    | 29.39               | Pass        |
| 1        | 144     | 5720<br>For 5745~5825MHz | -4.92               | -2.70         | 6.02            | 3.32                    | 29.39               | Pass        |
|          | 149     | 5745                     | 0.11                | 2.33          | 6.02            | 8.35                    | 29.39               | Pass        |
|          | 157     | 5785                     | 0.22                | 2.44          | 6.02            | 8.46                    | 29.39               | Pass        |
|          | 165     | 5825                     | 0.26                | 2.48          | 6.02            | 8.50                    | 29.39               | Pass        |
| 2        | 144     | 5720<br>For 5745~5825MHz | -5.06               | -2.84         | 6.02            | 3.18                    | 29.39               | Pass        |
|          | 149     | 5745                     | 0.78                | 3.00          | 6.02            | 9.02                    | 29.39               | Pass        |
|          | 157     | 5785                     | 0.74                | 2.96          | 6.02            | 8.98                    | 29.39               | Pass        |
|          | 165     | 5825                     | 0.67                | 2.89          | 6.02            | 8.91                    | 29.39               | Pass        |
| 3        | 144     | 5720<br>For 5745~5825MHz | -4.76               | -2.54         | 6.02            | 3.48                    | 29.39               | Pass        |
|          | 149     | 5745                     | 0.94                | 3.16          | 6.02            | 9.18                    | 29.39               | Pass        |
|          | 157     | 5785                     | 0.89                | 3.11          | 6.02            | 9.13                    | 29.39               | Pass        |
|          | 165     | 5825                     | 0.65                | 2.87          | 6.02            | 8.89                    | 29.39               | Pass        |

Note:

- Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N<sub>ANT</sub>) dB.
- 5745~5825MHz Directional gain 6.61dBi > 6dBi, so the power density limit shall be reduced to 30-(6.61-6) = 29.39dBm.

## 802.11ax (HE20)

| TX chain | Channel | Chan. Freq. (MHz)        | PSD W/O Duty Factor |               | 10 log (N=4) dB | Total PSD (dBm/ 500kHz) | Limit (dBm/ 500kHz) | Pass / Fail |
|----------|---------|--------------------------|---------------------|---------------|-----------------|-------------------------|---------------------|-------------|
|          |         |                          | (dBm/ 300kHz)       | (dBm/ 500kHz) |                 |                         |                     |             |
| 0        | 144     | 5720<br>For 5745~5825MHz | -5.74               | -3.52         | 6.02            | 2.50                    | 29.39               | Pass        |
|          | 149     | 5745                     | 0.58                | 2.80          | 6.02            | 8.82                    | 29.39               | Pass        |
|          | 157     | 5785                     | 1.04                | 3.26          | 6.02            | 9.28                    | 29.39               | Pass        |
|          | 165     | 5825                     | 0.81                | 3.03          | 6.02            | 9.05                    | 29.39               | Pass        |
| 1        | 144     | 5720<br>For 5745~5825MHz | -5.85               | -3.63         | 6.02            | 2.39                    | 29.39               | Pass        |
|          | 149     | 5745                     | 0.72                | 2.94          | 6.02            | 8.96                    | 29.39               | Pass        |
|          | 157     | 5785                     | 0.80                | 3.02          | 6.02            | 9.04                    | 29.39               | Pass        |
|          | 165     | 5825                     | 0.75                | 2.97          | 6.02            | 8.99                    | 29.39               | Pass        |
| 2        | 144     | 5720<br>For 5745~5825MHz | -5.78               | -3.56         | 6.02            | 2.46                    | 29.39               | Pass        |
|          | 149     | 5745                     | 1.27                | 3.49          | 6.02            | 9.51                    | 29.39               | Pass        |
|          | 157     | 5785                     | 1.54                | 3.76          | 6.02            | 9.78                    | 29.39               | Pass        |
|          | 165     | 5825                     | 1.16                | 3.38          | 6.02            | 9.40                    | 29.39               | Pass        |
| 3        | 144     | 5720<br>For 5745~5825MHz | -5.52               | -3.30         | 6.02            | 2.72                    | 29.39               | Pass        |
|          | 149     | 5745                     | 1.65                | 3.87          | 6.02            | 9.89                    | 29.39               | Pass        |
|          | 157     | 5785                     | 2.11                | 4.33          | 6.02            | 10.35                   | 29.39               | Pass        |
|          | 165     | 5825                     | 1.73                | 3.95          | 6.02            | 9.97                    | 29.39               | Pass        |

Note:

- Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N<sub>ANT</sub>) dB.
- 5745~5825MHz Directional gain 6.61dBi > 6dBi, so the power density limit shall be reduced to 30-(6.61-6) = 29.39dBm.

## 802.11ax (HE40)

| TX chain | Channel | Chan. Freq. (MHz)        | PSD W/O Duty Factor |               | 10 log (N=4) dB | Total PSD (dBm/ 500kHz) | Limit (dBm/ 500kHz) | Pass / Fail |
|----------|---------|--------------------------|---------------------|---------------|-----------------|-------------------------|---------------------|-------------|
|          |         |                          | (dBm/ 300kHz)       | (dBm/ 500kHz) |                 |                         |                     |             |
| 0        | 142     | 5710<br>For 5745~5825MHz | -8.72               | -6.50         | 6.02            | -0.48                   | 29.39               | Pass        |
|          | 151     | 5755                     | -2.10               | 0.12          | 6.02            | 6.14                    | 29.39               | Pass        |
|          | 159     | 5795                     | -1.94               | 0.28          | 6.02            | 6.30                    | 29.39               | Pass        |
| 1        | 142     | 5710<br>For 5745~5825MHz | -8.55               | -6.33         | 6.02            | -0.31                   | 29.39               | Pass        |
|          | 151     | 5755                     | -1.31               | 0.91          | 6.02            | 6.93                    | 29.39               | Pass        |
|          | 159     | 5795                     | -1.14               | 1.08          | 6.02            | 7.10                    | 29.39               | Pass        |
| 2        | 142     | 5710<br>For 5745~5825MHz | -8.85               | -6.63         | 6.02            | -0.61                   | 29.39               | Pass        |
|          | 151     | 5755                     | -1.71               | 0.51          | 6.02            | 6.53                    | 29.39               | Pass        |
|          | 159     | 5795                     | -1.64               | 0.58          | 6.02            | 6.60                    | 29.39               | Pass        |
| 3        | 142     | 5710<br>For 5745~5825MHz | -8.28               | -6.06         | 6.02            | -0.04                   | 29.39               | Pass        |
|          | 151     | 5755                     | -1.32               | 0.90          | 6.02            | 6.92                    | 29.39               | Pass        |
|          | 159     | 5795                     | -1.38               | 0.84          | 6.02            | 6.86                    | 29.39               | Pass        |

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N<sub>ANT</sub>) dB.
2. 5745~5825MHz Directional gain 6.61dBi > 6dBi, so the power density limit shall be reduced to 30-(6.61-6) = 29.39dBm.

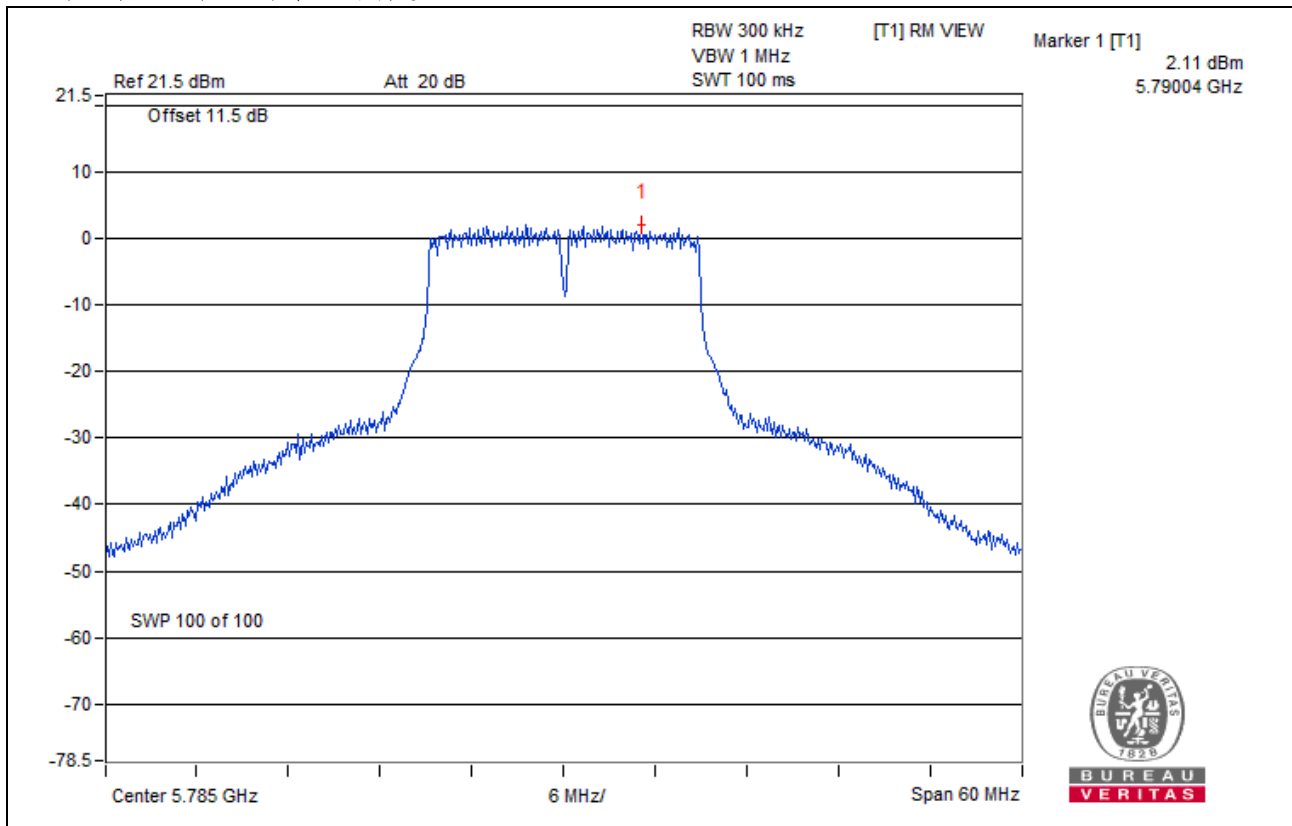
## 802.11ax (HE80)

| TX chain | Channel | Chan. Freq. (MHz)        | PSD W/O Duty Factor |              | 10 log (N=4) dB | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass / Fail |
|----------|---------|--------------------------|---------------------|--------------|-----------------|------------------------|--------------------|-------------|
|          |         |                          | (dBm/300kHz)        | (dBm/500kHz) |                 |                        |                    |             |
| 0        | 138     | 5690<br>For 5745~5825MHz | -11.85              | -9.63        | 6.02            | -3.61                  | 29.39              | Pass        |
|          | 155     | 5775                     | -5.14               | -2.92        | 6.02            | 3.10                   | 29.39              | Pass        |
| 1        | 138     | 5690<br>For 5745~5825MHz | -12.62              | -10.40       | 6.02            | -4.38                  | 29.39              | Pass        |
|          | 155     | 5775                     | -4.43               | -2.21        | 6.02            | 3.81                   | 29.39              | Pass        |
| 2        | 138     | 5690<br>For 5745~5825MHz | -12.18              | -9.96        | 6.02            | -3.94                  | 29.39              | Pass        |
|          | 155     | 5775                     | -4.83               | -2.61        | 6.02            | 3.41                   | 29.39              | Pass        |
| 3        | 138     | 5690<br>For 5745~5825MHz | -12.12              | -9.90        | 6.02            | -3.88                  | 29.39              | Pass        |
|          | 155     | 5775                     | -4.60               | -2.38        | 6.02            | 3.64                   | 29.39              | Pass        |

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure and add 10 log (N<sub>ANT</sub>) dB.
2. 5745~5825MHz Directional gain 6.61dBi > 6dBi, so the power density limit shall be reduced to 30-(6.61-6) = 29.39dBm.

\*此測試圖僅放測試結果最差的頻道。



## 12.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

### 13 6 dB 頻寬之要求

#### 13.1 適用標準

| 待測物操作頻帶                                                 | 適用標準                    |
|---------------------------------------------------------|-------------------------|
| <input checked="" type="checkbox"/> 5.725 GHz~5.850 GHz | 請見本報告 3.1 節第 5 項(II)的規定 |

#### 13.2 量測方法

- 將待測物輸出經由衰減器接到頻譜分析儀上。
- 設定待測物處於連續發射狀態。
- 計算由最大輸出功率峰值減6dB的最大頻率範圍。

#### 13.3 量測儀器

同 6.3 節。

#### 13.4 測試配置

同 6.4 節。

### 13.5 量測結果

|        |      |        |                 |
|--------|------|--------|-----------------|
| 操作模式   | 發射   | 測試日期   | 109 年 07 月 25 日 |
| 量測場地溫度 | 25°C | 量測場地濕度 | 60%RH           |
| 測試者    | 林山銘  |        |                 |

#### 802.11a

| Channel              | Frequency (MHz) | 6dB Bandwidth (MHz) |         |         |         | Minimum Limit (MHz) | Pass / Fail |
|----------------------|-----------------|---------------------|---------|---------|---------|---------------------|-------------|
|                      |                 | Chain 0             | Chain 1 | Chain 2 | Chain 3 |                     |             |
| 144<br>(For U-NII-3) | 5720            | 3.24                | 3.22    | 3.24    | 3.22    | 0.5                 | Pass        |
| 149                  | 5745            | 16.11               | 16.10   | 16.12   | 16.11   | 0.5                 | Pass        |
| 157                  | 5785            | 16.14               | 16.12   | 16.12   | 16.12   | 0.5                 | Pass        |
| 165                  | 5825            | 16.12               | 16.12   | 16.13   | 16.31   | 0.5                 | Pass        |

#### 802.11ax (HE20)

| Channel              | Frequency (MHz) | 6dB Bandwidth (MHz) |         |         |         | Minimum Limit (MHz) | Pass / Fail |
|----------------------|-----------------|---------------------|---------|---------|---------|---------------------|-------------|
|                      |                 | Chain 0             | Chain 1 | Chain 2 | Chain 3 |                     |             |
| 144<br>(For U-NII-3) | 5720            | 4.55                | 4.55    | 4.52    | 4.54    | 0.5                 | Pass        |
| 149                  | 5745            | 18.94               | 18.80   | 18.66   | 18.88   | 0.5                 | Pass        |
| 157                  | 5785            | 18.93               | 18.89   | 18.67   | 17.62   | 0.5                 | Pass        |
| 165                  | 5825            | 19.02               | 18.72   | 18.66   | 18.87   | 0.5                 | Pass        |

#### 802.11ax (HE40)

| Channel              | Frequency (MHz) | 6dB Bandwidth (MHz) |         |         |         | Minimum Limit (MHz) | Pass / Fail |
|----------------------|-----------------|---------------------|---------|---------|---------|---------------------|-------------|
|                      |                 | Chain 0             | Chain 1 | Chain 2 | Chain 3 |                     |             |
| 142<br>(For U-NII-3) | 5710            | 3.80                | 3.19    | 3.84    | 3.63    | 0.5                 | Pass        |
| 151                  | 5755            | 37.38               | 37.15   | 37.73   | 37.46   | 0.5                 | Pass        |
| 159                  | 5795            | 37.49               | 37.13   | 37.74   | 36.61   | 0.5                 | Pass        |

#### 802.11ax (HE80)

| Channel              | Frequency (MHz) | 6dB Bandwidth (MHz) |         |         |         | Minimum Limit (MHz) | Pass / Fail |
|----------------------|-----------------|---------------------|---------|---------|---------|---------------------|-------------|
|                      |                 | Chain 0             | Chain 1 | Chain 2 | Chain 3 |                     |             |
| 138<br>(For U-NII-3) | 5690            | 3.69                | 2.77    | 2.89    | 3.20    | 0.5                 | Pass        |
| 155                  | 5775            | 76.44               | 75.66   | 75.72   | 75.63   | 0.5                 | Pass        |

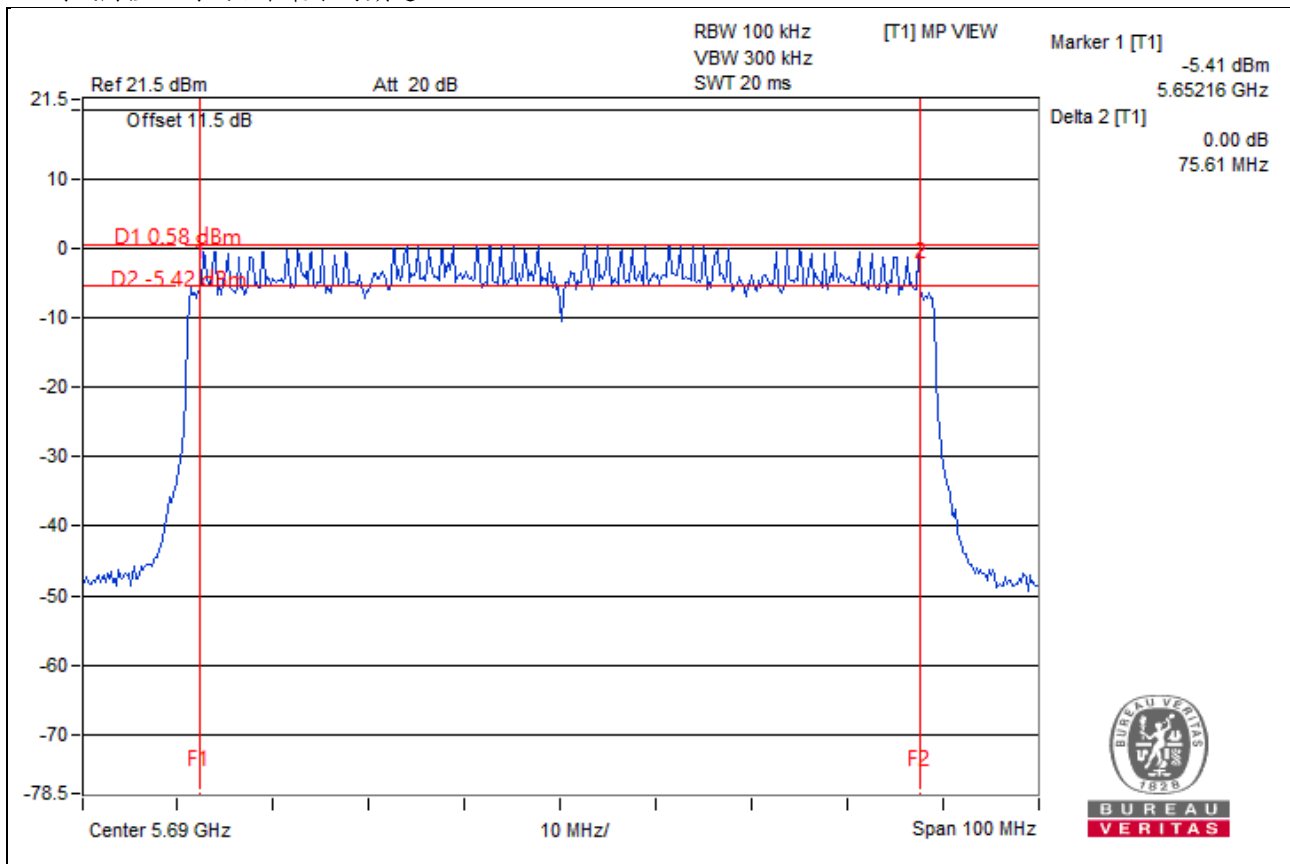
#### Note:

For CH144 (UNII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

For CH142 (UNII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

For CH138 (UNII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

\*此測試圖僅放測試結果最小的頻道。



### 13.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

## Co-Located 測試項目及結果

### 14 場強輻射及開放頻帶邊緣之量測

#### 14.1 適用標準

請見本報告3.1節第2項的規定。

#### 14.2 量測方法

在電波暗室，將待測物置於0.8米高的非金屬桌面，使其操作在工作狀態。接收天線置於3米處。桌面要360度旋轉，另外接收天線也要從離地1米至4米升降變化，以找出最大的輻射電場強度，接收天線分別置於水平、垂直極化各執行測試一次。

Note: 對於 1GHz 以上場強輻射的測試，待測物則置於1.5米高的非金屬桌面

#### 14.3 量測儀器

同4.3節

#### 14.4 測試配置

同4.4節。

#### 14.5 場強度之計算

場強之計算公式如下：

結果值Emission level (dBuV/m)=機器讀值 Raw Value (dBuV) +校正因子Correction Factor (dB/m)

餘裕度Margin(dB)= 結果值Emission level (dBuV/m)-限制值Limit value (dBuV/m)

量測結果請見下頁。

## 14.6 量測結果

### 14.6.1 發射諧波

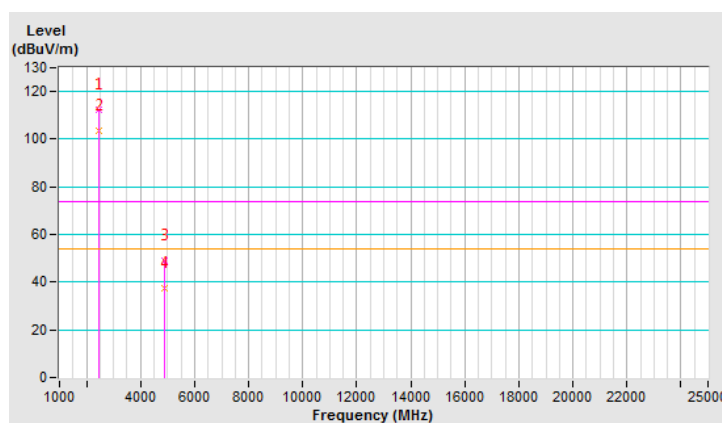
802.11g: Ch 6 + 802.11a: Ch 44

|         |                 |         |                                                 |
|---------|-----------------|---------|-------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                            |
| 基本波頻率：  | CH 6：2437 MHz   | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                           |
| 測試日期：   | 109 年 08 月 20 日 | 測試者：    | 李哲銘                                             |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | *2437.00    | 112.4 PK                |                |             | 1.05 H             | 23                   | 79.4             | 33.0                     |
| 2                                                   | *2437.00    | 103.5 AV                |                |             | 1.05 H             | 23                   | 70.5             | 33.0                     |
| 3                                                   | 4874.00     | 49.2 PK                 | 74.0           | -24.8       | 1.84 H             | 146                  | 38.1             | 11.1                     |
| 4                                                   | 4874.00     | 37.2 AV                 | 54.0           | -16.8       | 1.84 H             | 146                  | 26.1             | 11.1                     |
| 5                                                   | 7311.00     | -                       | -              | -           | -                  | -                    | -                | -                        |
| 6                                                   | 9748.00     | -                       | -              | -           | -                  | -                    | -                | -                        |
| 7                                                   | 12185.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
| 8                                                   | 14622.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
| 9                                                   | 17059.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
| 10                                                  | 19496.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
| 11                                                  | 21933.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
| 12                                                  | 24370.00    | -                       | -              | -           | -                  | -                    | -                | -                        |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



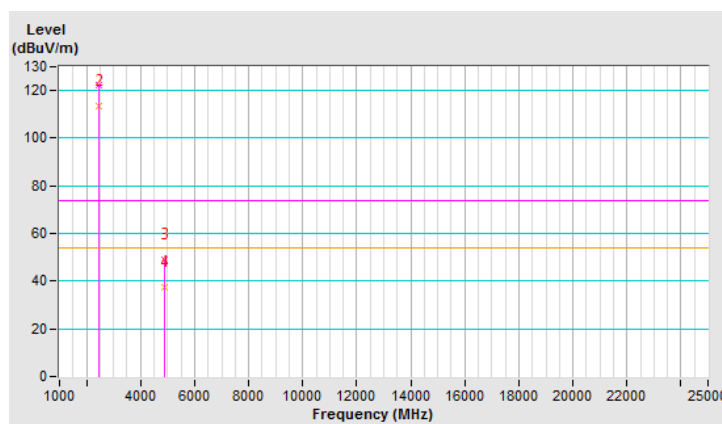
|         |                 |         |                                                 |
|---------|-----------------|---------|-------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                            |
| 基本波頻率：  | CH 6：2437 MHz   | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                           |
| 測試日期：   | 109 年 08 月 20 日 | 測試者：    | 李哲銘                                             |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | *2437.00       | 122.2 PK                      |                   |                | 1.53 V                   | 14                         | 89.2                   | 33.0                           |
| 2   | *2437.00       | 113.3 AV                      |                   |                | 1.53 V                   | 14                         | 80.3                   | 33.0                           |
| 3   | 4874.00        | 49.2 PK                       | 74.0              | -24.8          | 1.70 V                   | 215                        | 38.1                   | 11.1                           |
| 4   | 4874.00        | 37.5 AV                       | 54.0              | -16.5          | 1.70 V                   | 215                        | 26.4                   | 11.1                           |
| 5   | 7311.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 6   | 9748.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 7   | 12185.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 8   | 14622.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 9   | 17059.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 10  | 19496.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 11  | 21933.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 12  | 24370.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

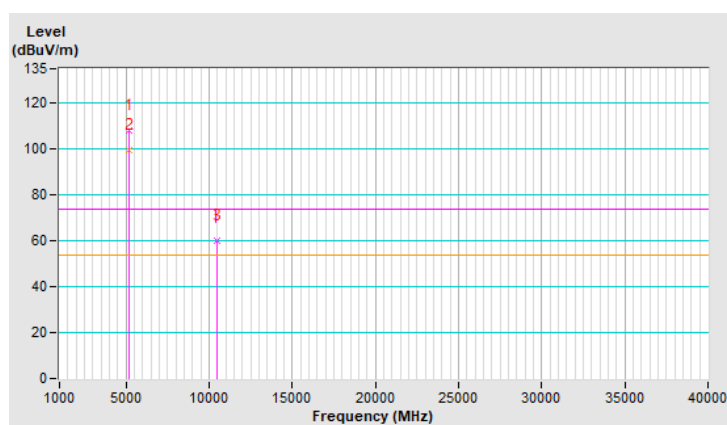


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 44：5220 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 08 月 20 日 | 測試者：    | 李哲銘                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5220.00       | 108.0 PK                      |                   |                | 1.02 H                   | 18                         | 68.6                   | 39.4                           |
| 2                                                   | *5220.00       | 99.6 AV                       |                   |                | 1.02 H                   | 18                         | 60.2                   | 39.4                           |
| 3                                                   | #10440.00      | 60.2 PK                       | 74.0              | -13.8          | 1.79 H                   | 114                        | 38.9                   | 21.3                           |
| 4                                                   | 15660.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 5                                                   | 20880.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 6                                                   | #26100.00      | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 7                                                   | 31320.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 8                                                   | #36540.00      | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

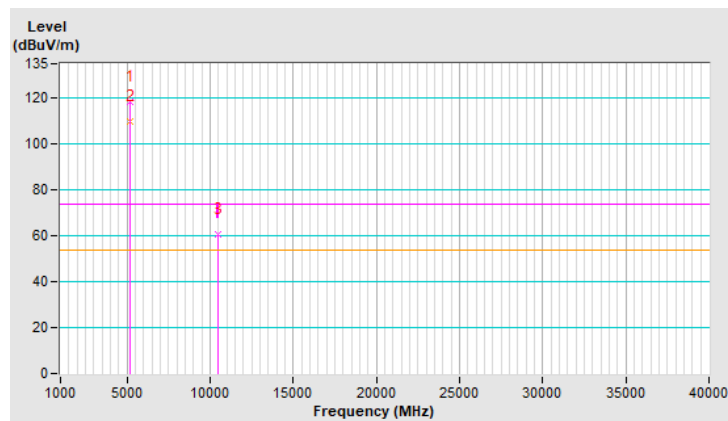


|         |                 |         |                                                |
|---------|-----------------|---------|------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                           |
| 基本波頻率：  | CH 44：5220 MHz  | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 08 月 20 日 | 測試者：    | 李哲銘                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | *5220.00       | 118.2 PK                      |                   |                | 1.14 V                   | 320                        | 78.8                   | 39.4                           |
| 2                                                 | *5220.00       | 109.7 AV                      |                   |                | 1.14 V                   | 320                        | 70.3                   | 39.4                           |
| 3                                                 | #10440.00      | 60.5 PK                       | 68.2              | -7.7           | 1.59 V                   | 315                        | 39.2                   | 21.3                           |
| 4                                                 | 15660.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 5                                                 | 20880.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 6                                                 | #26100.00      | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 7                                                 | 31320.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 8                                                 | #36540.00      | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



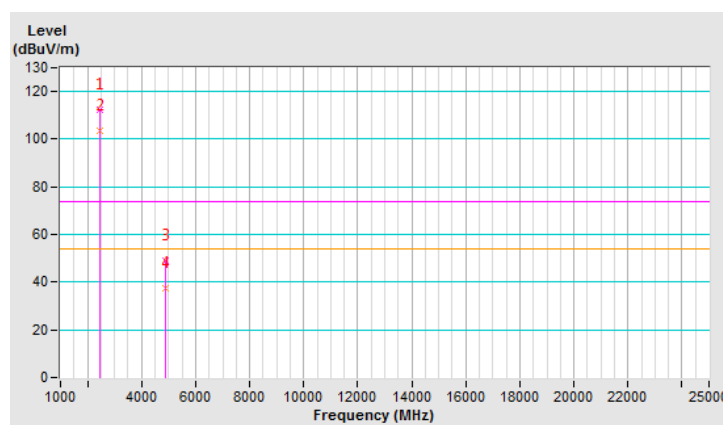
## 802.11g: Ch 6 + 802.11ax (HE20)

|         |                 |         |                                                 |
|---------|-----------------|---------|-------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                            |
| 基本波頻率：  | CH 6：2437 MHz   | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                           |
| 測試日期：   | 109 年 08 月 20 日 | 測試者：    | 李哲銘                                             |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *2437.00       | 112.4 PK                      |                   |                | 1.05 H                   | 19                         | 79.4                   | 33.0                           |
| 2                                                   | *2437.00       | 103.5 AV                      |                   |                | 1.05 H                   | 19                         | 70.5                   | 33.0                           |
| 3                                                   | 4874.00        | 48.9 PK                       | 74.0              | -25.1          | 1.62 H                   | 169                        | 37.8                   | 11.1                           |
| 4                                                   | 4874.00        | 37.3 AV                       | 54.0              | -16.7          | 1.62 H                   | 169                        | 26.2                   | 11.1                           |
| 5                                                   | 7311.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 6                                                   | 9748.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 7                                                   | 12185.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 8                                                   | 14622.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 9                                                   | 17059.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 10                                                  | 19496.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 11                                                  | 21933.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 12                                                  | 24370.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

## Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



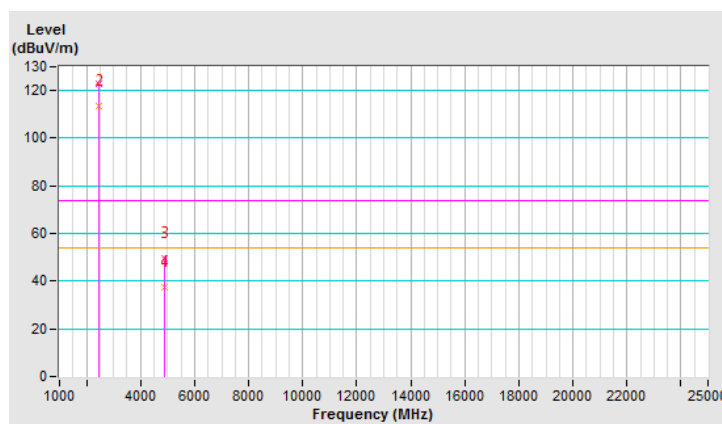
|         |                 |         |                                                 |
|---------|-----------------|---------|-------------------------------------------------|
| 操作模式：   | 發射              | 調變技術：   | OFDM                                            |
| 基本波頻率：  | CH 6：2437 MHz   | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=10kHz |
| 量測場地溫度： | 25°C            | 量測場地濕度： | 70%RH                                           |
| 測試日期：   | 109 年 08 月 20 日 | 測試者：    | 李哲銘                                             |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | *2437.00       | 122.7 PK                      |                   |                | 1.55 V                   | 9                          | 89.7                   | 33.0                           |
| 2   | *2437.00       | 113.6 AV                      |                   |                | 1.55 V                   | 9                          | 80.6                   | 33.0                           |
| 3   | 4874.00        | 49.5 PK                       | 74.0              | -24.5          | 1.74 V                   | 215                        | 38.4                   | 11.1                           |
| 4   | 4874.00        | 37.2 AV                       | 54.0              | -16.8          | 1.74 V                   | 215                        | 26.1                   | 11.1                           |
| 5   | 7311.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 6   | 9748.00        | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 7   | 12185.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 8   | 14622.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 9   | 17059.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 10  | 19496.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 11  | 21933.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 12  | 24370.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " - ": The emission levels were too low to be detected.
7. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

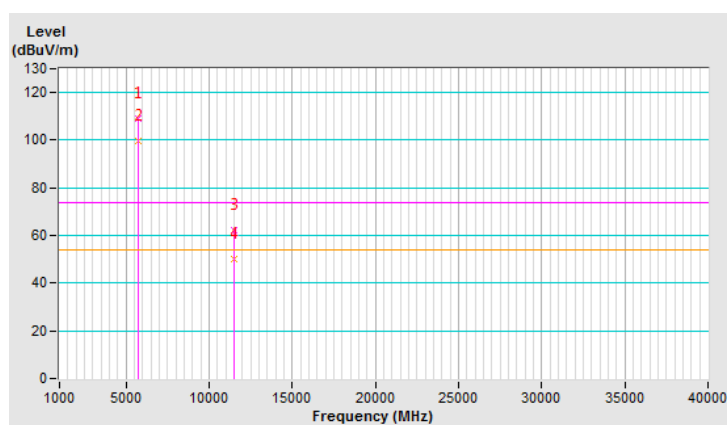


|         |                |         |                                                |
|---------|----------------|---------|------------------------------------------------|
| 操作模式：   | 發射             | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 149：5745MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C           | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109年08月20日     | 測試者：    | 李哲銘                                            |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | *5745.00    | 109.3 PK                |                |             | 1.07 H             | 289                  | 69.1             | 40.2                     |
| 2                                                   | *5745.00    | 99.8 AV                 |                |             | 1.07 H             | 289                  | 59.6             | 40.2                     |
| 3                                                   | 11490.00    | 62.1 PK                 | 74.0           | -11.9       | 1.10 H             | 152                  | 39.0             | 23.1                     |
| 4                                                   | 11490.00    | 50.3 AV                 | 54.0           | -3.7        | 1.10 H             | 152                  | 27.2             | 23.1                     |
| 5                                                   | #17235.00   | -                       | -              | -           | -                  | -                    | -                | -                        |
| 6                                                   | 22980.00    | -                       | -              | -           | -                  | -                    | -                | -                        |
| 7                                                   | #28725.00   | -                       | -              | -           | -                  | -                    | -                | -                        |
| 8                                                   | #34470.00   | -                       | -              | -           | -                  | -                    | -                | -                        |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

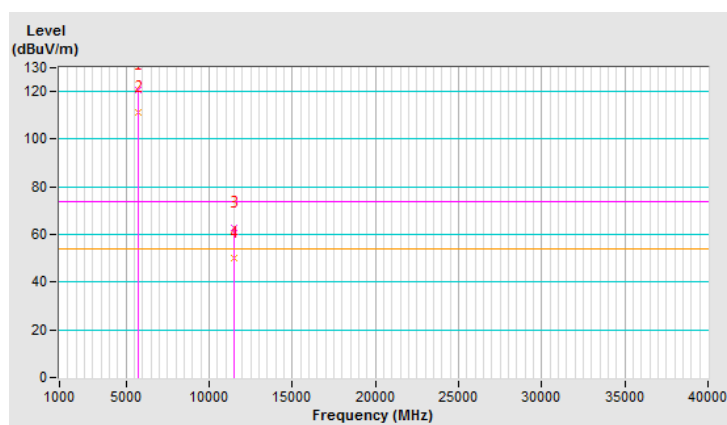


|         |                |         |                                                |
|---------|----------------|---------|------------------------------------------------|
| 操作模式：   | 發射             | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 149：5745MHz | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C           | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109年08月20日     | 測試者：    | 李哲銘                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | *5745.00       | 120.6 PK                      |                   |                | 1.84 V                   | 16                         | 80.4                   | 40.2                           |
| 2                                                 | *5745.00       | 111.2 AV                      |                   |                | 1.84 V                   | 16                         | 71.0                   | 40.2                           |
| 3                                                 | 11490.00       | 62.6 PK                       | 74.0              | -11.4          | 1.40 V                   | 25                         | 39.5                   | 23.1                           |
| 4                                                 | 11490.00       | 50.2 AV                       | 54.0              | -3.8           | 1.40 V                   | 25                         | 27.1                   | 23.1                           |
| 5                                                 | #17235.00      | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 6                                                 | 22980.00       | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 7                                                 | #28725.00      | -                             | -                 | -              | -                        | -                          | -                      | -                              |
| 8                                                 | #34470.00      | -                             | -                 | -              | -                        | -                          | -                      | -                              |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



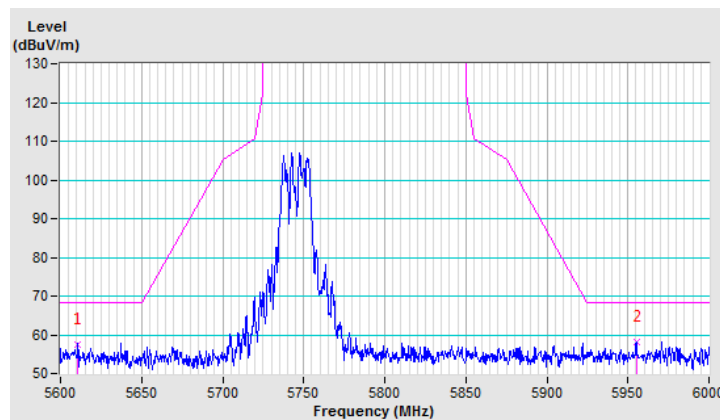
|         |                         |         |                                                |
|---------|-------------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                      | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 149 : 5745MHz (OOBE) | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C                    | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109 年 08 月 20 日         | 測試者：    | 李哲銘                                            |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | #5610.80       | 57.6 PK                       | 68.2              | -10.6          | 1.07 H                   | 289                        | 47.2                   | 10.4                           |
| 2   | #5955.20       | 58.0 PK                       | 68.2              | -10.2          | 1.07 H                   | 289                        | 47.0                   | 11.0                           |

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

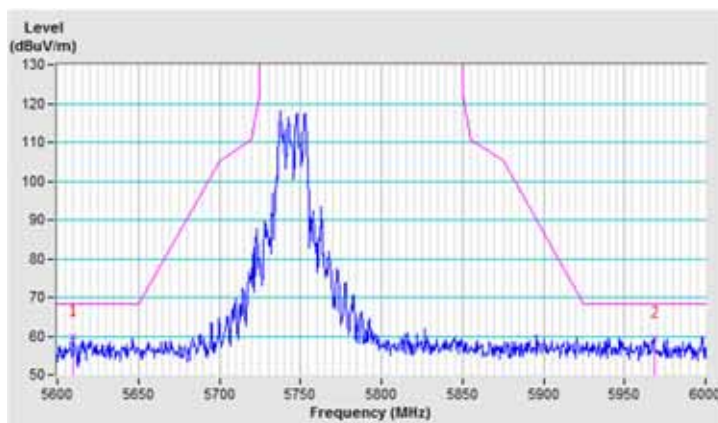


|         |                       |         |                                                |
|---------|-----------------------|---------|------------------------------------------------|
| 操作模式：   | 發射                    | 調變技術：   | OFDMA                                          |
| 基本波頻率：  | CH 149：5745MHz (OOBE) | 測試儀器：   | (PK) RB=1MHz, VB=3MHz<br>(AV) RB=1MHz, VB=1kHz |
| 量測場地溫度： | 25°C                  | 量測場地濕度： | 70%RH                                          |
| 測試日期：   | 109年08月20日            | 測試者：    | 李哲銘                                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|---------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                               | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                 | #5610.00    | 59.8 PK                 | 68.2           | -8.4        | 1.84 V             | 16                   | 49.4             | 10.4                     |
| 2                                                 | #5968.40    | 59.5 PK                 | 68.2           | -8.7        | 1.84 V             | 16                   | 48.6             | 10.9                     |

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



#### 14.6.2 其它不必要之訊號

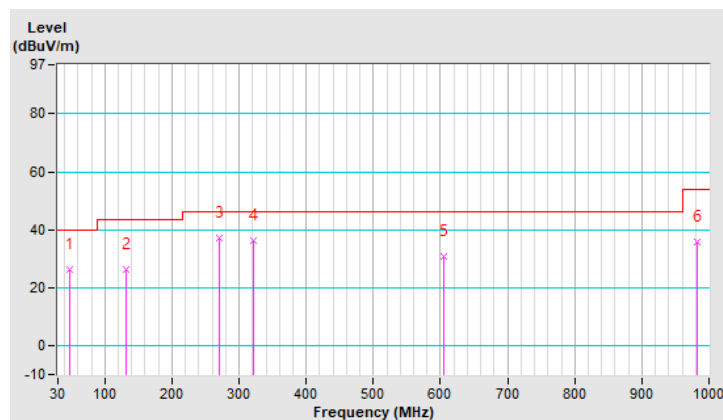
802.11g: Ch 6 + 802.11a: Ch 44

|         |                                       |         |                   |
|---------|---------------------------------------|---------|-------------------|
| 操作模式：   | 發射/接收                                 | 調變技術：   | OFDM + OFDM       |
| 基本波頻率：  | CH 6 : 2437 MHz +<br>CH 44 : 5220 MHz | 測試儀器：   | (QP) RB=VB=120kHz |
| 量測場地溫度： | 23°C                                  | 量測場地濕度： | 66%RH             |
| 測試日期：   | 109 年 08 月 25 日                       | 測試者：    | 李哲銘               |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 46.87          | 26.2 QP                       | 40.0              | -13.8          | 2.00 H                   | 266                        | 35.1                   | -8.9                           |
| 2                                                   | 131.22         | 26.2 QP                       | 43.5              | -17.3          | 2.00 H                   | 204                        | 36.1                   | -9.9                           |
| 3                                                   | 270.39         | 37.1 QP                       | 46.0              | -8.9           | 1.00 H                   | 52                         | 45.6                   | -8.5                           |
| 4                                                   | 321.00         | 36.1 QP                       | 46.0              | -9.9           | 1.00 H                   | 149                        | 42.9                   | -6.8                           |
| 5                                                   | 604.97         | 30.9 QP                       | 46.0              | -15.1          | 1.49 H                   | 272                        | 29.8                   | 1.1                            |
| 6                                                   | 981.72         | 35.8 QP                       | 54.0              | -18.2          | 1.49 H                   | 2                          | 30.3                   | 5.5                            |

#### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit of frequency range 30MHz ~ 1000MHz.
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz ~ 30MHz.



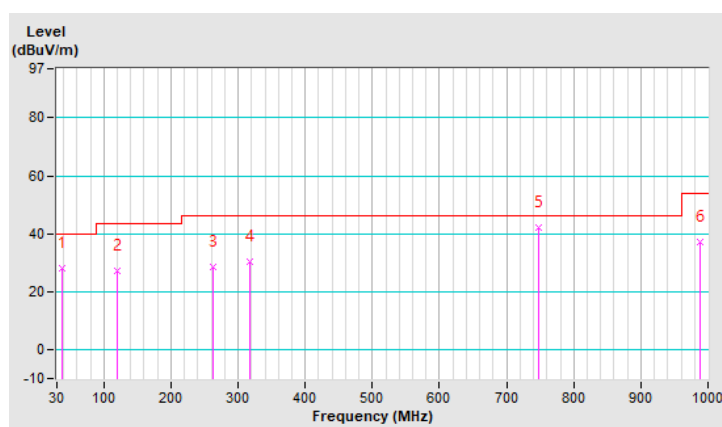
|         |                                   |         |                   |
|---------|-----------------------------------|---------|-------------------|
| 操作模式：   | 發射/接收                             | 調變技術：   | OFDM + OFDM       |
| 基本波頻率：  | CH 6：2437 MHz +<br>CH 44：5220 MHz | 測試儀器：   | (QP) RB=VB=120kHz |
| 量測場地溫度： | 23°C                              | 量測場地濕度： | 66%RH             |
| 測試日期：   | 109 年 08 月 25 日                   | 測試者：    | 李哲銘               |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
|-----|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| 1   | 38.43       | 28.1 QP                 | 40.0           | -11.9       | 2.00 V             | 123                  | 37.8             | -9.7                     |
| 2   | 119.97      | 27.2 QP                 | 43.5           | -16.3       | 1.00 V             | 34                   | 38.1             | -10.9                    |
| 3   | 261.96      | 28.7 QP                 | 46.0           | -17.3       | 1.00 V             | 31                   | 37.7             | -9.0                     |
| 4   | 316.78      | 30.2 QP                 | 46.0           | -15.8       | 2.00 V             | 115                  | 37.1             | -6.9                     |
| 5   | 746.96      | 42.1 QP                 | 46.0           | -3.9        | 2.00 V             | 315                  | 39.3             | 2.8                      |
| 6   | 988.35      | 37.3 QP                 | 54.0           | -16.7       | 1.50 V             | 150                  | 31.9             | 5.4                      |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit of frequency range 30MHz ~ 1000MHz.
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz ~ 30MHz.



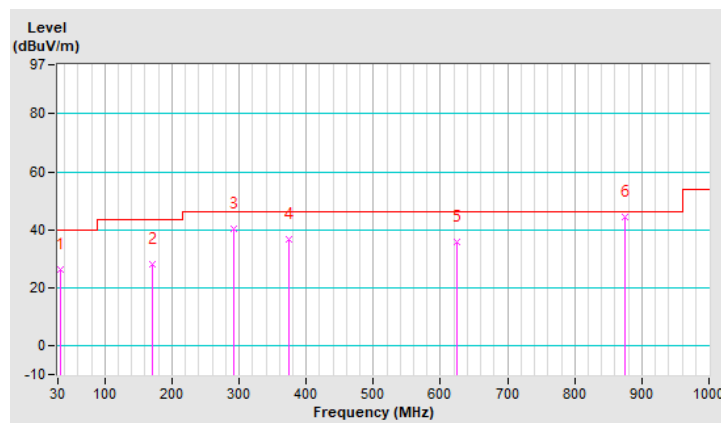
## 802.11g: Ch 6 + 802.11ax (HE20): Ch 149

|         |                                   |         |                   |
|---------|-----------------------------------|---------|-------------------|
| 操作模式：   | 發射/接收                             | 調變技術：   | OFDM + OFDMA      |
| 基本波頻率：  | CH 6：2437 MHz +<br>CH 149：5745MHz | 測試儀器：   | (QP) RB=VB=120kHz |
| 量測場地溫度： | 23°C                              | 量測場地濕度： | 66%RH             |
| 測試日期：   | 109 年 08 月 25 日                   | 測試者：    | 李哲銘               |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 34.22          | 26.4 QP                       | 40.0              | -13.6          | 1.49 H                   | 235                        | 36.7                   | -10.3                          |
| 2                                                   | 170.58         | 28.0 QP                       | 43.5              | -15.5          | 1.49 H                   | 250                        | 36.9                   | -8.9                           |
| 3                                                   | 291.48         | 40.1 QP                       | 46.0              | -5.9           | 1.00 H                   | 100                        | 47.8                   | -7.7                           |
| 4                                                   | 374.42         | 36.8 QP                       | 46.0              | -9.2           | 1.00 H                   | 117                        | 41.9                   | -5.1                           |
| 5                                                   | 624.65         | 35.9 QP                       | 46.0              | -10.1          | 1.49 H                   | 65                         | 34.5                   | 1.4                            |
| 6                                                   | 874.88         | 44.4 QP                       | 46.0              | -1.6           | 2.00 H                   | 36                         | 40.3                   | 4.1                            |

## Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit of frequency range 30MHz ~ 1000MHz.
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz ~ 30MHz.

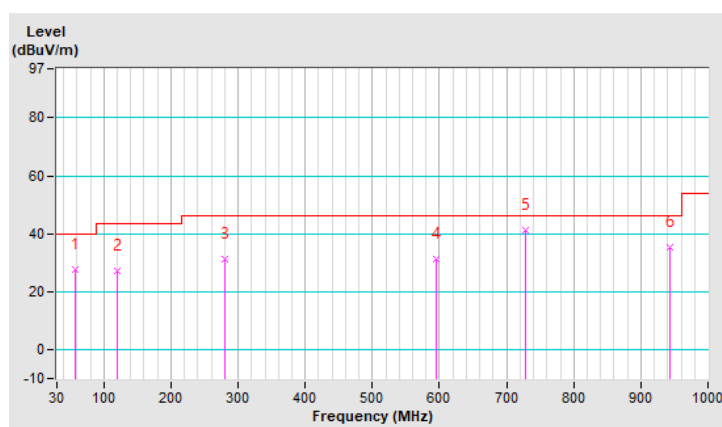


|         |                                   |         |                   |
|---------|-----------------------------------|---------|-------------------|
| 操作模式：   | 發射/接收                             | 調變技術：   | OFDM + OFDMA      |
| 基本波頻率：  | CH 6：2437 MHz +<br>CH 149：5745MHz | 測試儀器：   | (QP) RB=VB=120kHz |
| 量測場地溫度： | 23°C                              | 量測場地濕度： | 66%RH             |
| 測試日期：   | 109 年 08 月 25 日                   | 測試者：    | 李哲銘               |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|---------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                               | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                 | 58.12       | 27.8 QP                 | 40.0           | -12.2       | 1.00 V             | 307                  | 36.9             | -9.1                     |
| 2                                                 | 119.97      | 27.2 QP                 | 43.5           | -16.3       | 1.00 V             | 34                   | 38.1             | -10.9                    |
| 3                                                 | 280.23      | 31.2 QP                 | 46.0           | -14.8       | 1.00 V             | 76                   | 39.2             | -8.0                     |
| 4                                                 | 595.13      | 31.1 QP                 | 46.0           | -14.9       | 1.00 V             | 133                  | 30.2             | 0.9                      |
| 5                                                 | 728.68      | 41.4 QP                 | 46.0           | -4.6        | 1.00 V             | 172                  | 38.9             | 2.5                      |
| 6                                                 | 943.77      | 35.4 QP                 | 46.0           | -10.6       | 2.00 V             | 14                   | 30.3             | 5.1                      |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit of frequency range 30MHz ~ 1000MHz.
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz ~ 30MHz.



## 14.7 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

## 14.8 配置照片

請參閱附件測試設置照片(BV CPS 報告編號：BBQZ-WTW-P20110410\_RF)。

## 15 電波暴露量之評估

### 15.1 適用標準

請見本報告3.1節第12項的規定。

### 15.2 評估方法

- a) 以7.5、11.5節所測得的最大輸出功率值再加上待測物天線的增益值(Gain)帶入下面公式換算出待測物所輻射的功率密度。
- b)  $P_d = (P_{out} * G) / (4 * \pi * r^2)$   
where  
Pd = power density in mW/cm<sup>2</sup>  
Pout = output power to antenna in mW  
G = gain of antenna in linear scale  
pi = 3.1416  
r = distance between observation point and center of the radiator in cm

### 15.3 評估結果

#### 電波暴露量之評估

☐ 發射功率(含 Conducted Power 或 EIRP Power) <20mW，不需進行電波暴露量之評估

☒ 發射功率(含 Conducted Power 或 EIRP Power) >20mW，需進行電波暴露量之評估

| Frequency Band (MHz) | Max Power (dBm) | Antenna Gain (dBi) | Distance (cm) | Power Density (mW/cm <sup>2</sup> ) | Limit (mW/cm <sup>2</sup> ) |
|----------------------|-----------------|--------------------|---------------|-------------------------------------|-----------------------------|
| CDD Mode             |                 |                    |               |                                     |                             |
| 2412-2462            | 29.32           | 4.15               | 28            | 0.226                               | 1                           |
| 5180-5240            | 29.18           | 6.18               | 28            | 0.349                               | 1                           |
| 5260-5320            | 23.53           | 6.11               | 28            | 0.093                               | 1                           |
| 5500-5720            | 23.33           | 7.38               | 28            | 0.120                               | 1                           |
| 5745-5825            | 29.26           | 6.61               | 28            | 0.392                               | 1                           |
| Beamforming Mode     |                 |                    |               |                                     |                             |
| 2412-2462            | 29.31           | 4.15               | 28            | 0.225                               | 1                           |
| 5180-5240            | 29.05           | 6.18               | 28            | 0.338                               | 1                           |
| 5260-5320            | 23.42           | 6.11               | 28            | 0.091                               | 1                           |
| 5500-5720            | 22.58           | 7.38               | 28            | 0.101                               | 1                           |
| 5745-5825            | 29.26           | 6.61               | 28            | 0.392                               | 1                           |

Note:

- 2412 ~ 2462MHz: Directional gain = 4.15dBi  
5180 ~ 5240MHz: Directional gain = 6.18dBi  
5260 ~ 5320MHz: Directional gain = 6.11dBi  
5500 ~ 5720MHz: Directional gain = 7.38dBi  
5745 ~ 5825MHz: Directional gain = 6.61dBi
- Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
- The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

#### Conclusion:

Both of the WLAN 2.4G & WLAN 5G can transmit simultaneously, the formula of calculated the MPE is:

$$CPD1 / LPD1 + CPD2 / LPD2 + \dots \text{etc.} < 1$$

CPD = Calculation power density

LPD = Limit of power density

$$2.4G + 5G \text{ Band 1} + 5G \text{ Band 4} = 0.226 / 1 + 0.349 / 1 + 0.392 / 1 = 0.967$$

Therefore the maximum calculations of above situations are less than the "1" limit.