

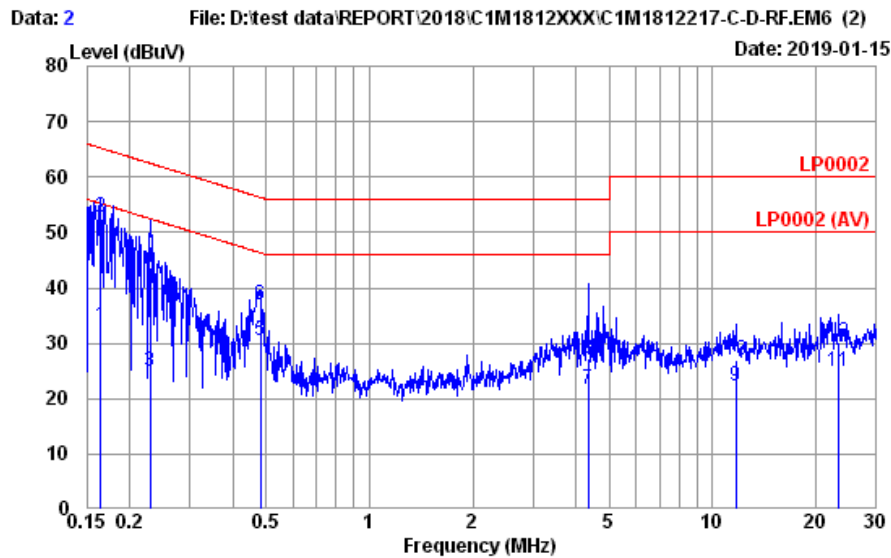
# 附錄一

## 受測裝置之測試結果

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## 1. 電源線傳導干擾之量測

|      |                               |        |          |
|------|-------------------------------|--------|----------|
| 測試日期 | 2019/01/15                    | 環境溫/濕度 | 23°C/60% |
| 測試電壓 | AC 110V, 60Hz (經筆記型電腦 USB 充電) |        |          |

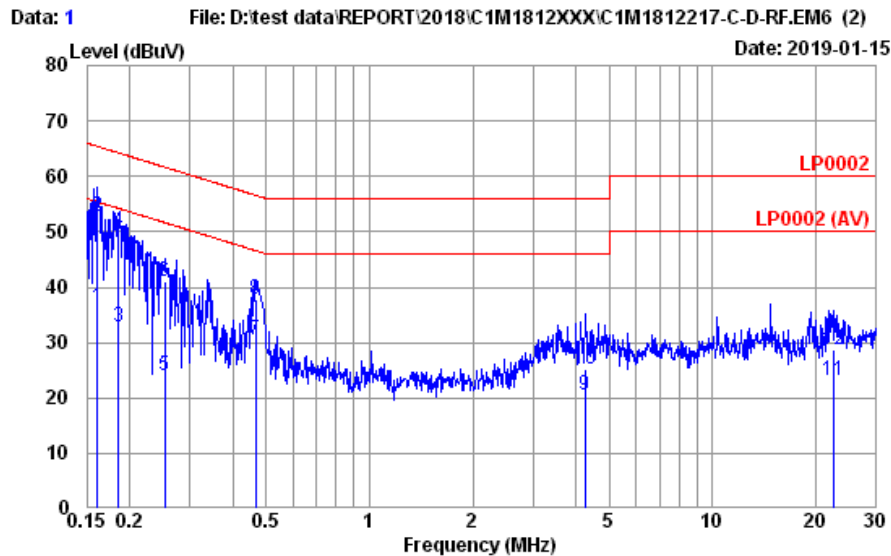


Site no. : No.8 Shielded Room Data no. : 2  
Condition : ENV4200 100169 LISN Phase : NEUTRAL  
Limit : LP0002  
Env. / Ins. : 23°C / 60% ESR3 (1774) Engineer : Jemy  
EUT : WI-C200  
Power Rating : 110Vac/60Hz  
Test Mode : Operating

|    | Freq.<br>(MHz) | AMN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Pulse<br>Att.<br>(dB) | Reading<br>(dBμV) | Emission<br>Level<br>(dBμV) | Limits<br>(dBμV) | Margin<br>(dB) | Remark  |
|----|----------------|-----------------------|-----------------------|-----------------------|-------------------|-----------------------------|------------------|----------------|---------|
| 1  | 0.164          | 10.55                 | 0.03                  | 9.98                  | 12.51             | 33.07                       | 55.25            | 22.18          | Average |
| 2  | 0.164          | 10.55                 | 0.03                  | 9.98                  | 32.23             | 52.79                       | 65.25            | 12.46          | QP      |
| 3  | 0.229          | 10.50                 | 0.03                  | 9.98                  | 4.26              | 24.77                       | 52.48            | 27.71          | Average |
| 4  | 0.229          | 10.50                 | 0.03                  | 9.98                  | 23.09             | 43.60                       | 62.48            | 18.88          | QP      |
| 5  | 0.481          | 10.43                 | 0.04                  | 9.98                  | 9.94              | 30.39                       | 46.32            | 15.93          | Average |
| 6  | 0.481          | 10.43                 | 0.04                  | 9.98                  | 16.59             | 37.04                       | 56.32            | 19.28          | QP      |
| 7  | 4.338          | 10.65                 | 0.12                  | 10.00                 | 0.86              | 21.63                       | 46.00            | 24.37          | Average |
| 8  | 4.338          | 10.65                 | 0.12                  | 10.00                 | 6.38              | 27.15                       | 56.00            | 28.85          | QP      |
| 9  | 11.683         | 11.79                 | 0.21                  | 10.03                 | 0.37              | 22.40                       | 50.00            | 27.60          | Average |
| 10 | 11.683         | 11.79                 | 0.21                  | 10.03                 | 4.98              | 27.01                       | 60.00            | 32.99          | QP      |
| 11 | 23.387         | 14.58                 | 0.29                  | 10.08                 | 0.01              | 24.96                       | 50.00            | 25.04          | Average |
| 12 | 23.387         | 14.58                 | 0.29                  | 10.08                 | 5.27              | 30.22                       | 60.00            | 29.78          | QP      |

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.

|      |                               |        |          |
|------|-------------------------------|--------|----------|
| 測試日期 | 2019/01/15                    | 環境溫/濕度 | 23°C/60% |
| 測試電壓 | AC 110V, 60Hz (經筆記型電腦 USB 充電) |        |          |



Site no. : No.8 Shielded Room Data no. : 1  
Condition : ENV4200 100169 LISN Phase : LINE  
Limit : LP0002  
Env. / Ins. : 23°C / 60% ESR3 (1774) Engineer : Jemy  
EUT : WI-C200  
Power Rating : 110Vac/60Hz  
Test Mode : Operating

|    | Freq.<br>(MHz) | AMN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Pulse<br>Att.<br>(dB) | Reading<br>(dBμV) | Emission<br>Level<br>(dBμV) | Limits<br>(dBμV) | Margin<br>(dB) | Remark  |
|----|----------------|-----------------------|-----------------------|-----------------------|-------------------|-----------------------------|------------------|----------------|---------|
| 1  | 0.161          | 10.61                 | 0.03                  | 9.98                  | 15.62             | 36.24                       | 55.43            | 19.19          | Average |
| 2  | 0.161          | 10.61                 | 0.03                  | 9.98                  | 32.26             | 52.88                       | 65.43            | 12.55          | QP      |
| 3  | 0.185          | 10.58                 | 0.03                  | 9.98                  | 12.28             | 32.87                       | 54.24            | 21.37          | Average |
| 4  | 0.185          | 10.58                 | 0.03                  | 9.98                  | 29.41             | 50.00                       | 64.24            | 14.24          | QP      |
| 5  | 0.253          | 10.52                 | 0.03                  | 9.98                  | 3.41              | 23.94                       | 51.64            | 27.70          | Average |
| 6  | 0.253          | 10.52                 | 0.03                  | 9.98                  | 20.39             | 40.92                       | 61.64            | 20.72          | QP      |
| 7  | 0.466          | 10.45                 | 0.04                  | 9.98                  | 10.07             | 30.54                       | 46.58            | 16.04          | Average |
| 8  | 0.466          | 10.45                 | 0.04                  | 9.98                  | 17.38             | 37.85                       | 56.58            | 18.73          | QP      |
| 9  | 4.247          | 10.64                 | 0.11                  | 10.00                 | -0.12             | 20.63                       | 46.00            | 25.37          | Average |
| 10 | 4.247          | 10.64                 | 0.11                  | 10.00                 | 4.52              | 25.27                       | 56.00            | 30.73          | QP      |
| 11 | 22.416         | 14.35                 | 0.29                  | 10.07                 | -1.42             | 23.29                       | 50.00            | 26.71          | Average |
| 12 | 22.416         | 14.35                 | 0.29                  | 10.07                 | 4.11              | 28.82                       | 60.00            | 31.18          | QP      |

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.

## 2. 場強輻射之量測

對受測物裝置之其他不必要之發射(測至本地振盪頻率之 10 次諧波)，實驗室先行評估平放、站立、側立三軸，其中平放為最差模式，以低、中、高頻率來進行量測，並將所有模式之掃頻圖檢附於附錄中。所得讀值資料請見章節 2.1 ~ 2.2：

| 模式 | 動作狀態 | 基本頻率     | 量測頻率範圍         |
|----|------|----------|----------------|
| 1  | 充電   | ---      | 30-1000MHz     |
| 2  | 發射   | 2402MHz  | 1000-3000MHz   |
| 3  |      |          | 3000-5000MHz   |
| 4  |      |          | 5000-8000MHz   |
| 5  |      |          | 8000-18000MHz  |
| 6  |      |          | 18000-25000MHz |
| 7  |      | 2440MHz* | 30-1000MHz     |
| 8  |      |          | 1000-3000MHz   |
| 9  |      |          | 3000-5000MHz   |
| 10 |      |          | 5000-8000MHz   |
| 11 |      |          | 8000-18000MHz  |
| 12 |      |          | 18000-25000MHz |
| 13 |      | 2480MHz  | 1000-3000MHz   |
| 14 |      |          | 3000-5000MHz   |
| 15 |      |          | 5000-8000MHz   |
| 16 |      |          | 8000-18000MHz  |
| 17 |      |          | 18000-25000MHz |
| 18 | 接收   | 2440MHz  | 30-1000MHz     |
| 19 |      |          | 1000-3000MHz   |
| 20 |      |          | 3000-5000MHz   |
| 21 |      |          | 5000-8000MHz   |
| 22 |      |          | 8000-18000MHz  |
| 23 |      |          | 18000-25000MHz |

註: 1. 以上所有模式之掃頻圖是檢附於附錄中。

2.\*: 經評估後，以最差頻率進行 30-1000MHz 量測。

3.BLE 以最大傳發射功率之模式 2M 進行量測。

對受測物裝置落於技術規範第 2.7 章節的禁用頻帶之混附發射以下列測試模式依規定分別進行量測，所得量測資料請見章節 2.3。

| 模式 | 動作狀態 | 基本頻率    | 量測頻率範圍       |
|----|------|---------|--------------|
| 1  | 發射   | 2402MHz | 2310-2430MHz |
| 2  |      | 2480MHz | 2450-2530MHz |

註: BLE 以最大傳發射功率之模式 2M 進行量測。

|      |                                                     |        |          |
|------|-----------------------------------------------------|--------|----------|
| 測試日期 | 2019/01/14                                          | 環境溫/濕度 | 23°C/53% |
| 測試電壓 | (1)AC 110V, 60Hz(經筆記型電腦 USB 充電) (2)DC 3.7V (透過電池供電) |        |          |

## 2.1. 30-1000MHz 頻率範圍，其他不必要發射量測

|      |    |           |     |
|------|----|-----------|-----|
| Mode | 充電 | Frequency | --- |
|------|----|-----------|-----|

### Antenna at Horizontal Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Meter Reading (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|----------------------|-------------------------|-----------------|-------------|----------|
| 37.76                    | 20.98                 | 1.67            | 2.05                 | 24.70                   | 40.00           | 15.30       | Peak     |
| 101.78                   | 17.60                 | 2.72            | 5.53                 | 25.85                   | 43.50           | 17.65       | Peak     |
| 210.42                   | 16.75                 | 3.73            | 11.30                | 31.78                   | 43.50           | 11.72       | Peak     |
| 397.63                   | 22.40                 | 5.77            | 5.85                 | 34.02                   | 46.00           | 11.98       | Peak     |
| 818.61                   | 26.63                 | 7.66            | 3.26                 | 37.55                   | 46.00           | 8.45        | Peak     |
| 971.87                   | 28.03                 | 8.45            | 2.58                 | 39.06                   | 54.00           | 14.94       | Peak     |

### Antenna at Vertical Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Meter Reading (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|----------------------|-------------------------|-----------------|-------------|----------|
| 32.91                    | 23.62                 | 1.54            | 1.70                 | 26.86                   | 40.00           | 13.14       | Peak     |
| 115.36                   | 18.54                 | 2.92            | 3.81                 | 25.27                   | 43.50           | 18.23       | Peak     |
| 323.91                   | 20.54                 | 4.72            | 6.04                 | 31.30                   | 46.00           | 14.70       | Peak     |
| 592.60                   | 24.89                 | 6.47            | 2.17                 | 33.53                   | 46.00           | 12.47       | Peak     |
| 810.85                   | 26.57                 | 7.61            | 2.88                 | 37.06                   | 46.00           | 8.94        | Peak     |
| 977.69                   | 28.10                 | 8.49            | 2.06                 | 38.65                   | 54.00           | 15.35       | Peak     |

|      |     |           |            |
|------|-----|-----------|------------|
| Mode | BLE | Frequency | TX 2440MHz |
|------|-----|-----------|------------|

### Antenna at Horizontal Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Meter Reading (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|----------------------|-------------------------|-----------------|-------------|----------|
| 70.74                    | 12.72                 | 2.10            | 22.58                | 37.40                   | 40.00           | 2.60        | Peak     |
| 179.38                   | 15.57                 | 3.63            | 14.21                | 33.41                   | 43.50           | 10.09       | Peak     |
| 263.77                   | 19.53                 | 4.08            | 11.56                | 35.17                   | 46.00           | 10.83       | Peak     |
| 531.49                   | 24.13                 | 6.19            | 3.41                 | 33.73                   | 46.00           | 12.27       | Peak     |
| 712.88                   | 25.43                 | 7.14            | 2.46                 | 35.03                   | 46.00           | 10.97       | Peak     |
| 975.75                   | 28.06                 | 8.47            | 1.24                 | 37.77                   | 54.00           | 16.23       | Peak     |

### Antenna at Vertical Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Meter Reading (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|----------------------|-------------------------|-----------------|-------------|----------|
| 68.80                    | 12.64                 | 2.08            | 18.76                | 33.48                   | 40.00           | 6.52        | Peak     |
| 94.99                    | 16.61                 | 2.57            | 12.13                | 31.31                   | 43.50           | 12.19       | Peak     |
| 322.94                   | 20.51                 | 4.70            | 6.92                 | 32.13                   | 46.00           | 13.87       | Peak     |
| 532.46                   | 24.13                 | 6.19            | 7.91                 | 38.23                   | 46.00           | 7.77        | Peak     |
| 712.88                   | 25.43                 | 7.14            | 2.48                 | 35.05                   | 46.00           | 10.95       | Peak     |
| 972.84                   | 28.03                 | 8.45            | 2.39                 | 38.87                   | 54.00           | 15.13       | Peak     |

| Mode | BLE | Frequency | RX 2440MHz |
|------|-----|-----------|------------|
|------|-----|-----------|------------|

## Antenna at Horizontal Polarization

| Emission<br>Frequency<br>(MHz) | Antenna<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Meter<br>Reading<br>(dB $\mu$ V) | Emission<br>Level<br>(dB $\mu$ V/m) | Limits<br>(dB $\mu$ V/m) | Margin<br>(dB) | Detector |
|--------------------------------|-----------------------------|-----------------------|----------------------------------|-------------------------------------|--------------------------|----------------|----------|
| 67.83                          | 12.63                       | 2.07                  | 22.67                            | 37.37                               | 40.00                    | 2.63           | Peak     |
| 170.65                         | 15.94                       | 3.54                  | 14.62                            | 34.10                               | 43.50                    | 9.40           | Peak     |
| 263.77                         | 19.53                       | 4.08                  | 11.33                            | 34.94                               | 46.00                    | 11.06          | Peak     |
| 713.85                         | 25.46                       | 7.15                  | 4.00                             | 36.61                               | 46.00                    | 9.39           | Peak     |
| 928.22                         | 27.53                       | 8.24                  | 2.15                             | 37.92                               | 46.00                    | 8.08           | Peak     |
| 992.24                         | 28.25                       | 8.56                  | 1.60                             | 38.41                               | 54.00                    | 15.59          | Peak     |

## Antenna at Vertical Polarization

| Emission<br>Frequency<br>(MHz) | Antenna<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Meter<br>Reading<br>(dB $\mu$ V) | Emission<br>Level<br>(dB $\mu$ V/m) | Limits<br>(dB $\mu$ V/m) | Margin<br>(dB) | Detector |
|--------------------------------|-----------------------------|-----------------------|----------------------------------|-------------------------------------|--------------------------|----------------|----------|
| 71.71                          | 12.83                       | 2.11                  | 21.67                            | 36.61                               | 40.00                    | 3.39           | Peak     |
| 92.08                          | 16.06                       | 2.50                  | 13.89                            | 32.45                               | 43.50                    | 11.05          | Peak     |
| 326.82                         | 20.61                       | 4.75                  | 5.83                             | 31.19                               | 46.00                    | 14.81          | Peak     |
| 533.43                         | 24.15                       | 6.20                  | 8.67                             | 39.02                               | 46.00                    | 6.98           | Peak     |
| 870.02                         | 26.98                       | 7.93                  | 2.75                             | 37.66                               | 46.00                    | 8.34           | Peak     |
| 974.78                         | 28.06                       | 8.47                  | 1.87                             | 38.40                               | 54.00                    | 15.60          | Peak     |

## 2.2. 1000MHz 以上頻率範圍，其他不必要發射量測

| Mode | BLE | Frequency | TX 2402MHz |
|------|-----|-----------|------------|
|------|-----|-----------|------------|

## Antenna at Horizontal Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Meter Reading (dB $\mu$ V) | Emission Level (dB $\mu$ V/m) | Limits (dB $\mu$ V/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|----------------------------|-------------------------------|-----------------------|-------------|----------|
| 4804.00                  | 34.22                 | 11.42           | 5.77                       | 51.41                         | 54.00                 | 2.59        | Peak     |

## Antenna at Vertical Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Meter Reading (dB $\mu$ V) | Emission Level (dB $\mu$ V/m) | Limits (dB $\mu$ V/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|----------------------------|-------------------------------|-----------------------|-------------|----------|
| 4804.00                  | 34.22                 | 11.42           | 7.88                       | 53.52                         | 54.00                 | 0.48        | Peak     |

| Mode | BLE | Frequency | TX 2440MHz |
|------|-----|-----------|------------|
|------|-----|-----------|------------|

## Antenna at Horizontal Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Meter Reading (dB $\mu$ V) | Emission Level (dB $\mu$ V/m) | Limits (dB $\mu$ V/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|----------------------------|-------------------------------|-----------------------|-------------|----------|
| 4880.00                  | 34.25                 | 13.00           | 5.53                       | 52.78                         | 54.00                 | 1.22        | Peak     |

## Antenna at Vertical Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Meter Reading (dB $\mu$ V) | Emission Level (dB $\mu$ V/m) | Limits (dB $\mu$ V/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|----------------------------|-------------------------------|-----------------------|-------------|----------|
| 4880.00                  | 34.25                 | 13.00           | 5.56                       | 52.81                         | 54.00                 | 1.19        | Peak     |

| Mode | BLE | Frequency | TX 2480MHz |
|------|-----|-----------|------------|
|------|-----|-----------|------------|

## Antenna at Horizontal Polarization

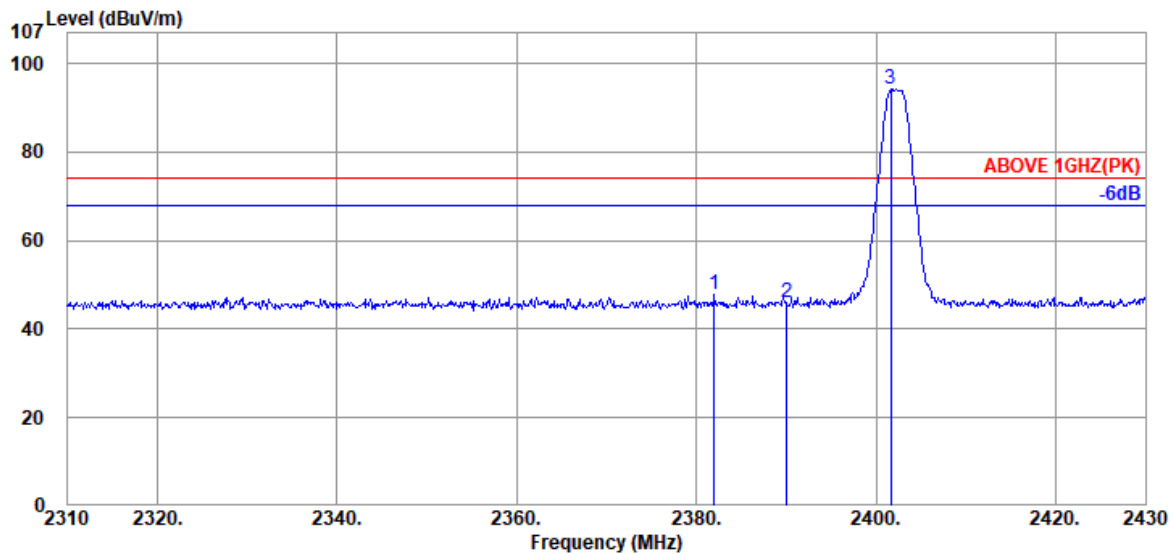
| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Meter Reading (dB $\mu$ V) | Emission Level (dB $\mu$ V/m) | Limits (dB $\mu$ V/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|----------------------------|-------------------------------|-----------------------|-------------|----------|
| 4960.00                  | 34.29                 | 13.21           | 4.25                       | 51.75                         | 54.00                 | 2.25        | Peak     |

## Antenna at Vertical Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Meter Reading (dB $\mu$ V) | Emission Level (dB $\mu$ V/m) | Limits (dB $\mu$ V/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|----------------------------|-------------------------------|-----------------------|-------------|----------|
| 4960.00                  | 34.29                 | 13.21           | 3.22                       | 50.72                         | 54.00                 | 3.28        | Peak     |

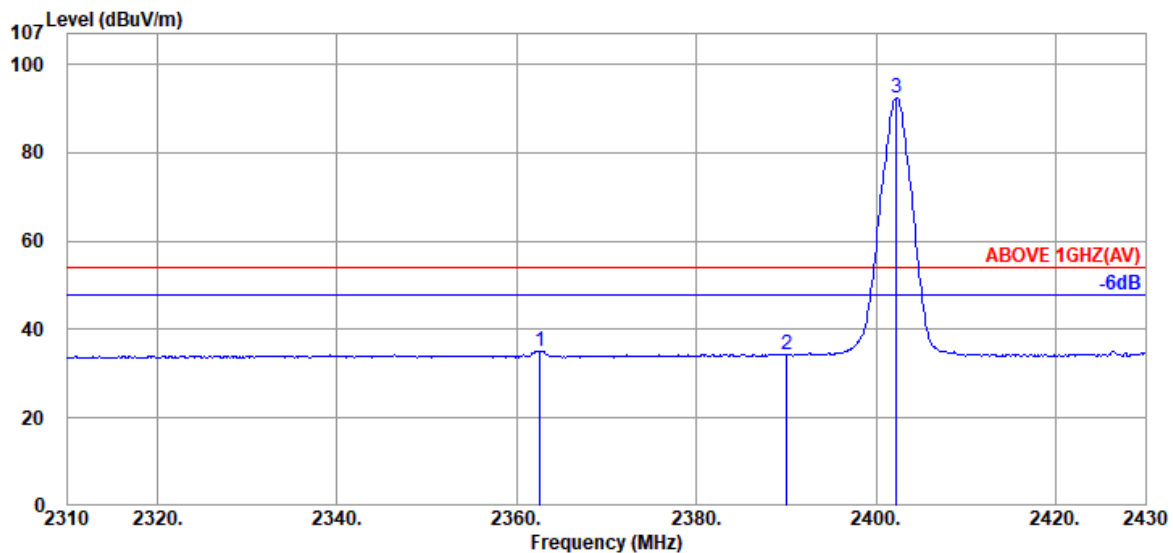
## 2.3. 禁用頻帶量測結果 (其他不必要發射)

| Mode | BLE | Frequency | TX 2402MHz |
|------|-----|-----------|------------|
|------|-----|-----------|------------|



Antenna at Horizontal Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Meter Reading (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|----------------------|-------------------------|-----------------|-------------|----------|
| 2382.00                  | 32.13                 | 7.89            | 7.65                 | 47.67                   | 74.00           | 26.33       | Peak     |
| 2390.04                  | 32.16                 | 7.92            | 5.97                 | 46.05                   | 74.00           | 27.95       | Peak     |
| @ 2401.68                | 32.16                 | 7.92            | 54.12                | 94.20                   | ---             | ---         | Peak     |

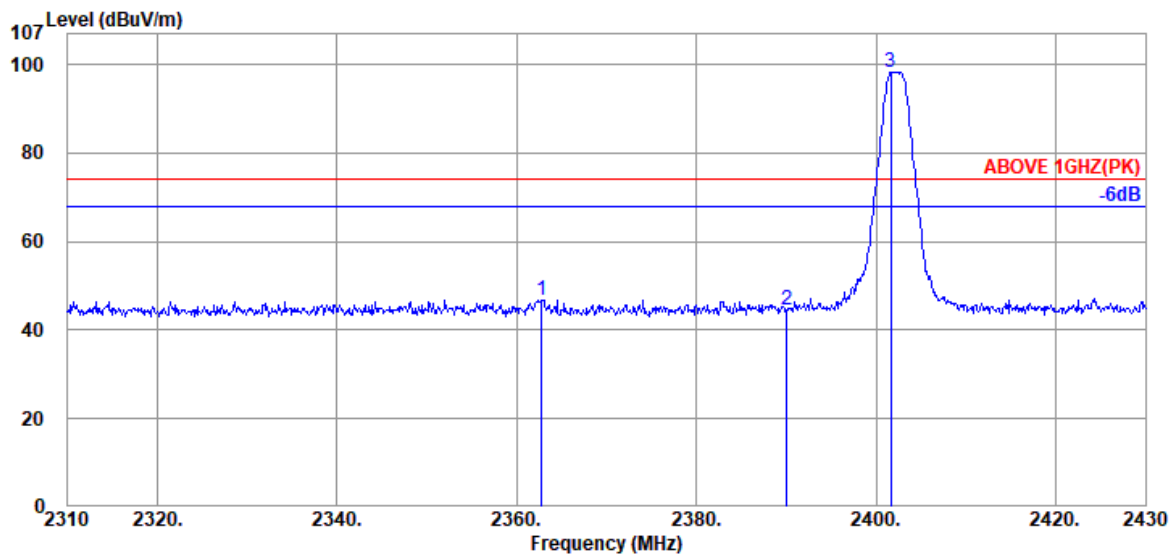


Antenna at Horizontal Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Meter Reading (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|----------------------|-------------------------|-----------------|-------------|----------|
| 2362.56                  | 32.11                 | 7.86            | -4.81                | 35.16                   | 54.00           | 18.84       | Average  |
| 2390.04                  | 32.16                 | 7.92            | -5.73                | 34.35                   | 54.00           | 19.65       | Average  |
| @ 2402.28                | 32.16                 | 7.92            | 52.24                | 92.32                   | ---             | ---         | Average  |

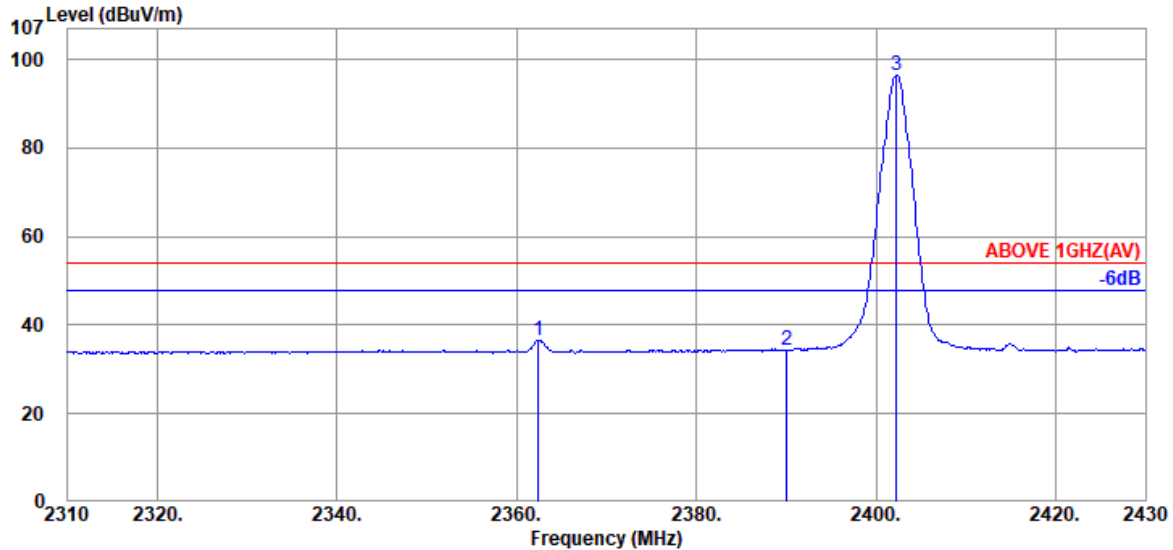
備註：“@”為主波，在此章節是不予以判定。

| Mode | BLE | Frequency | TX 2402MHz |
|------|-----|-----------|------------|
|------|-----|-----------|------------|



Antenna at Vertical Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Meter Reading (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|----------------------|-------------------------|-----------------|-------------|----------|
| 2362.80                  | 32.11                 | 7.86            | 6.95                 | 46.92                   | 74.00           | 27.08       | Peak     |
| 2390.04                  | 32.16                 | 7.92            | 4.44                 | 44.52                   | 74.00           | 29.48       | Peak     |
| @ 2401.68                | 32.16                 | 7.92            | 58.24                | 98.32                   | ---             | ---         | Peak     |

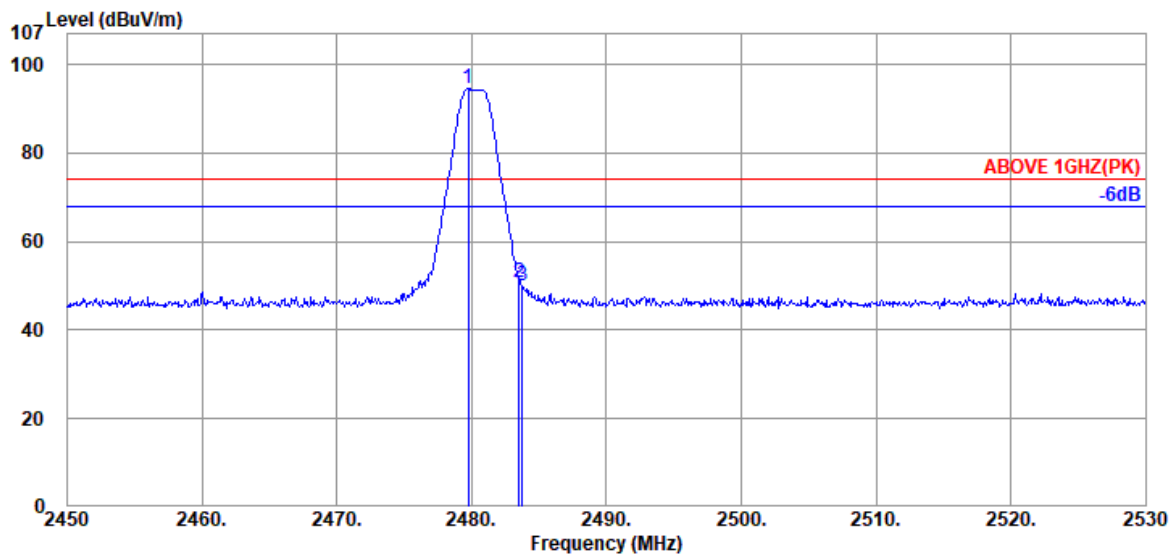


Antenna at Vertical Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Meter Reading (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|----------------------|-------------------------|-----------------|-------------|----------|
| 2362.44                  | 32.11                 | 7.86            | -3.41                | 36.56                   | 54.00           | 17.44       | Average  |
| 2390.04                  | 32.16                 | 7.92            | -5.71                | 34.37                   | 54.00           | 19.63       | Average  |
| @ 2402.28                | 32.16                 | 7.92            | 56.46                | 96.54                   | ---             | ---         | Average  |

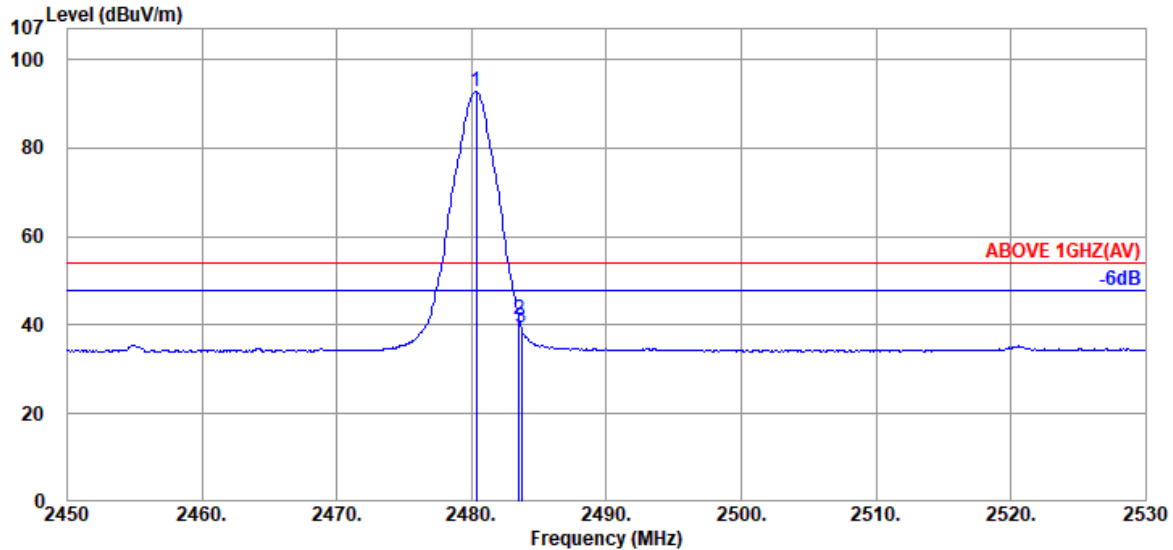
備註：“@”為主波，在此章節是不予以判定。

| Mode | BLE | Frequency | TX 2480MHz |
|------|-----|-----------|------------|
|------|-----|-----------|------------|



Antenna at Horizontal Polarization

|   | Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Meter Reading (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|---|--------------------------|-----------------------|-----------------|----------------------|-------------------------|-----------------|-------------|----------|
| @ | 2479.76                  | 32.28                 | 7.90            | 54.37                | 94.55                   | ---             | ---         | Peak     |
|   | 2483.52                  | 32.28                 | 7.90            | 10.71                | 50.89                   | 74.00           | 23.11       | Peak     |
|   | 2483.76                  | 32.28                 | 7.90            | 9.91                 | 50.09                   | 74.00           | 23.91       | Peak     |

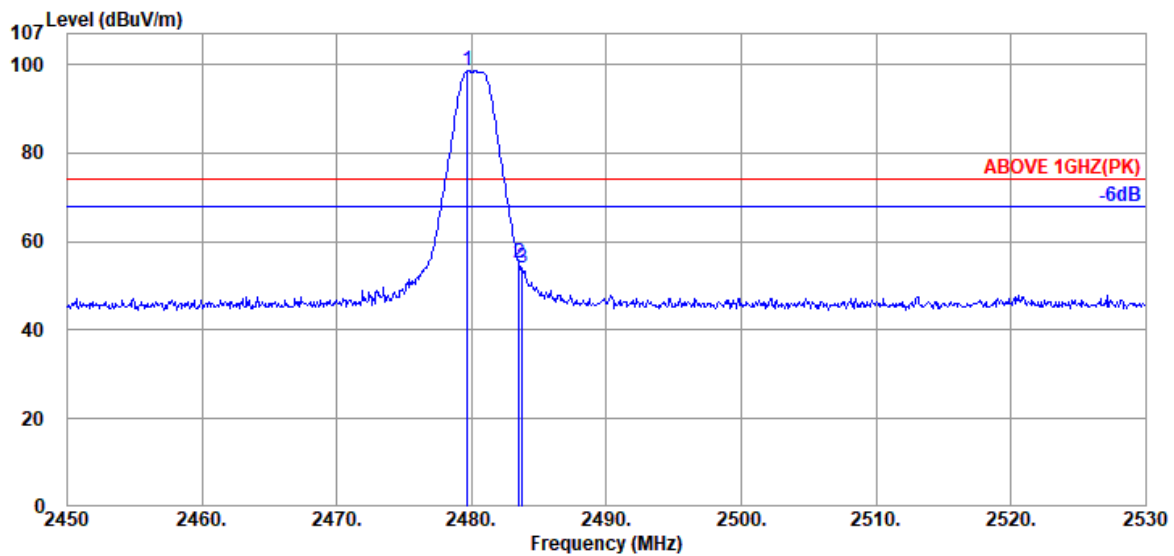


Antenna at Horizontal Polarization

|   | Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Meter Reading (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|---|--------------------------|-----------------------|-----------------|----------------------|-------------------------|-----------------|-------------|----------|
| @ | 2480.32                  | 32.28                 | 7.90            | 52.42                | 92.60                   | ---             | ---         | Average  |
|   | 2483.52                  | 32.28                 | 7.90            | 0.91                 | 41.09                   | 54.00           | 12.91       | Average  |
|   | 2483.68                  | 32.28                 | 7.90            | -0.69                | 39.49                   | 54.00           | 14.51       | Average  |

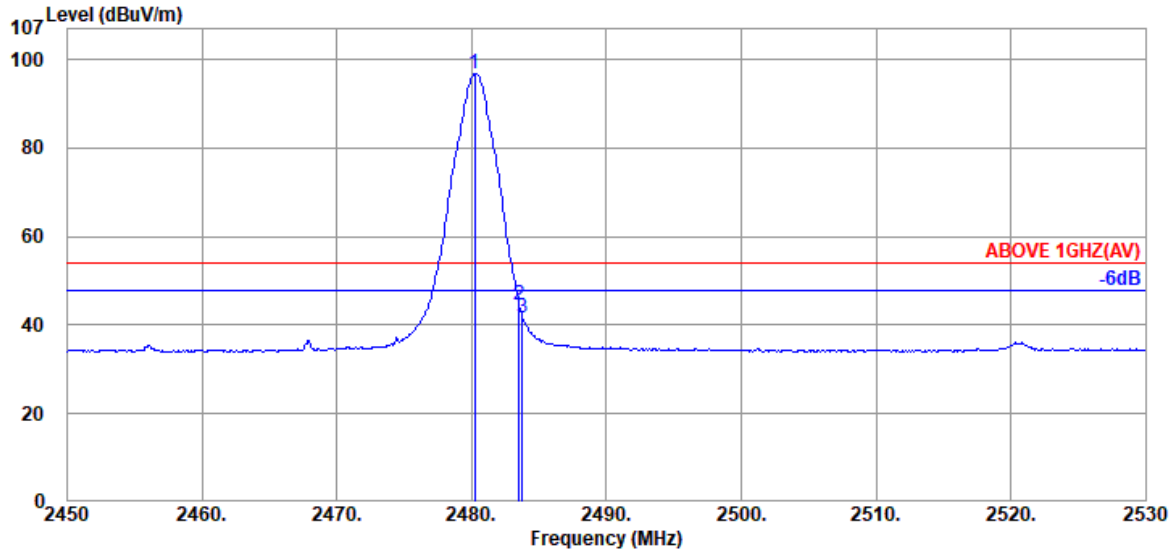
備註：“@”為主波，在此章節是不予以判定。

|      |     |           |            |
|------|-----|-----------|------------|
| Mode | BLE | Frequency | TX 2480MHz |
|------|-----|-----------|------------|



Antenna at Vertical Polarization

|   | Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Meter Reading (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|---|--------------------------|-----------------------|-----------------|----------------------|-------------------------|-----------------|-------------|----------|
| @ | 2479.68                  | 32.28                 | 7.90            | 58.33                | 98.51                   | ---             | ---         | Peak     |
|   | 2483.52                  | 32.28                 | 7.90            | 14.97                | 55.15                   | 74.00           | 18.85       | Peak     |
|   | 2483.76                  | 32.28                 | 7.90            | 13.88                | 54.06                   | 74.00           | 19.94       | Peak     |



Antenna at Vertical Polarization

|   | Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Meter Reading (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|---|--------------------------|-----------------------|-----------------|----------------------|-------------------------|-----------------|-------------|----------|
| @ | 2480.24                  | 32.28                 | 7.90            | 56.55                | 96.73                   | ---             | ---         | Average  |
|   | 2483.52                  | 32.28                 | 7.90            | 4.53                 | 44.71                   | 54.00           | 9.29        | Average  |
|   | 2483.76                  | 32.28                 | 7.90            | 1.53                 | 41.71                   | 54.00           | 12.29       | Average  |

備註：“@”為主波，在此章節是不予以判定。

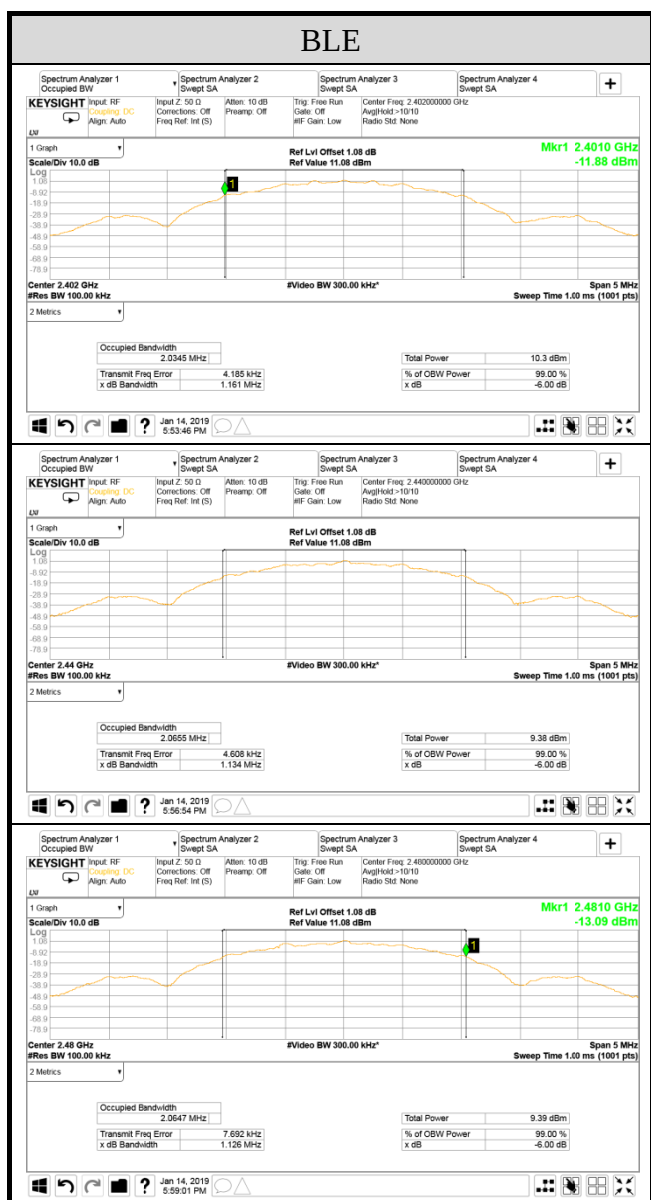
### 3. 發射頻寬之量測

|      |                  |        |          |
|------|------------------|--------|----------|
| 測試日期 | 2019/01/14       | 環境溫/濕度 | 23°C/53% |
| 測試電壓 | DC 3.7V (透過電池供電) |        |          |

#### 3.1. 發射頻寬

| 模式  | 測試頻率 (MHz) | 6dB 頻寬 (MHz) | 限制值 (kHz) |
|-----|------------|--------------|-----------|
| BLE | 2402       | 1.161        | >500      |
|     | 2440       | 1.134        |           |
|     | 2480       | 1.126        |           |

#### 3.2. 發射頻寬之量測圖



註: BLE 以最大傳發射功率之模式 2M 進行量測。

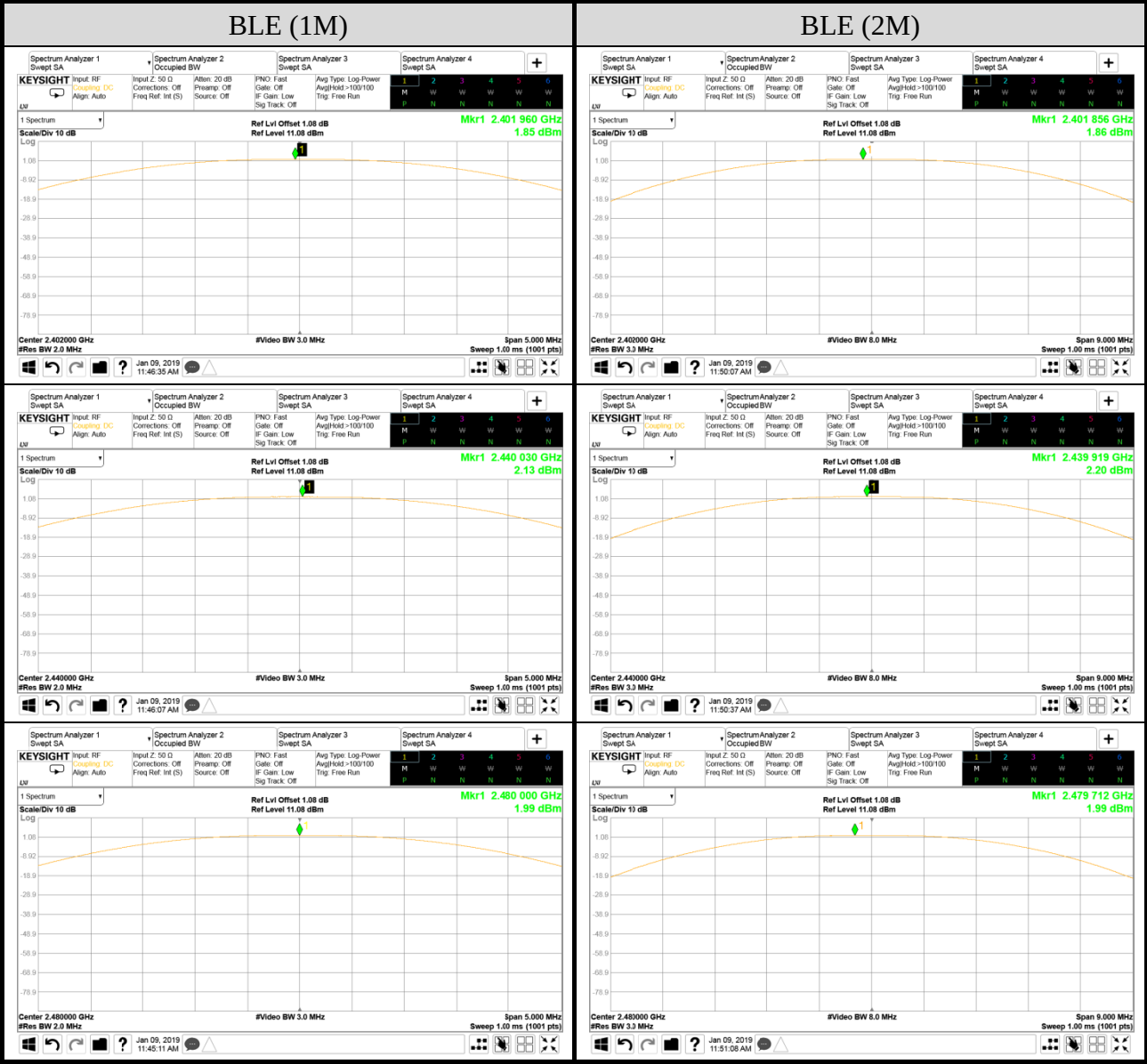
#### 4. 峰值輸出功率之量測

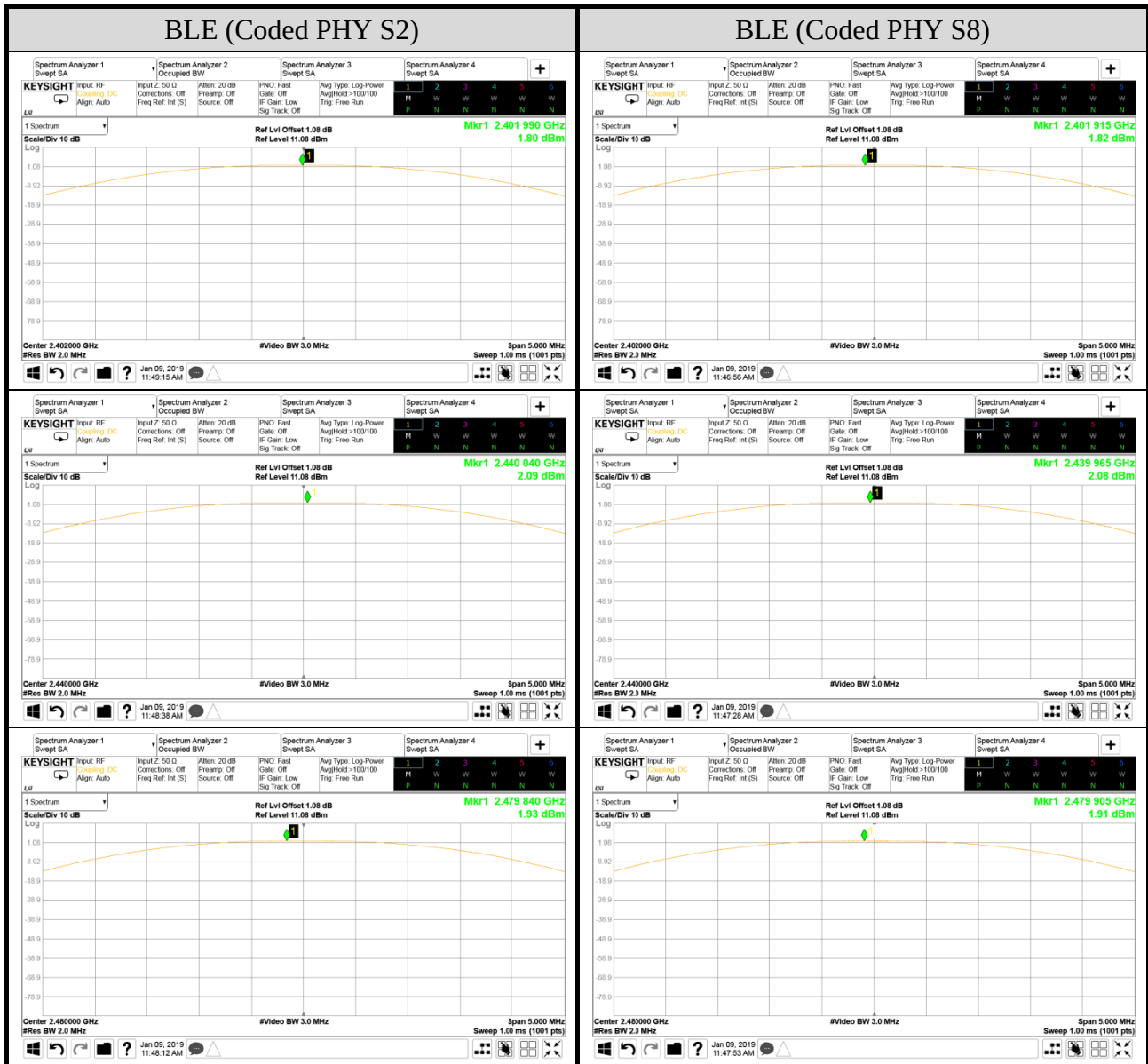
|      |                  |        |          |
|------|------------------|--------|----------|
| 測試日期 | 2019/01/09       | 環境溫/濕度 | 21°C/52% |
| 測試電壓 | DC 3.7V (透過電池供電) |        |          |

##### 4.1. 峰值輸出功率

| 模式                    | 測試頻率 (MHz) | Peak 輸出功率(dBm) | 限制值 (dBm) |
|-----------------------|------------|----------------|-----------|
| BLE<br>(1M)           | 2402       | 1.85           | 30        |
|                       | 2440       | 2.13           |           |
|                       | 2480       | 1.99           |           |
| BLE<br>(2M)           | 2402       | 1.86           |           |
|                       | 2440       | 2.20           |           |
|                       | 2480       | 1.99           |           |
| BLE<br>(Coded PHY S2) | 2402       | 1.80           |           |
|                       | 2440       | 2.09           |           |
|                       | 2480       | 1.93           |           |
| BLE<br>(Coded PHYS8)  | 2402       | 1.82           |           |
|                       | 2440       | 2.08           |           |
|                       | 2480       | 1.91           |           |

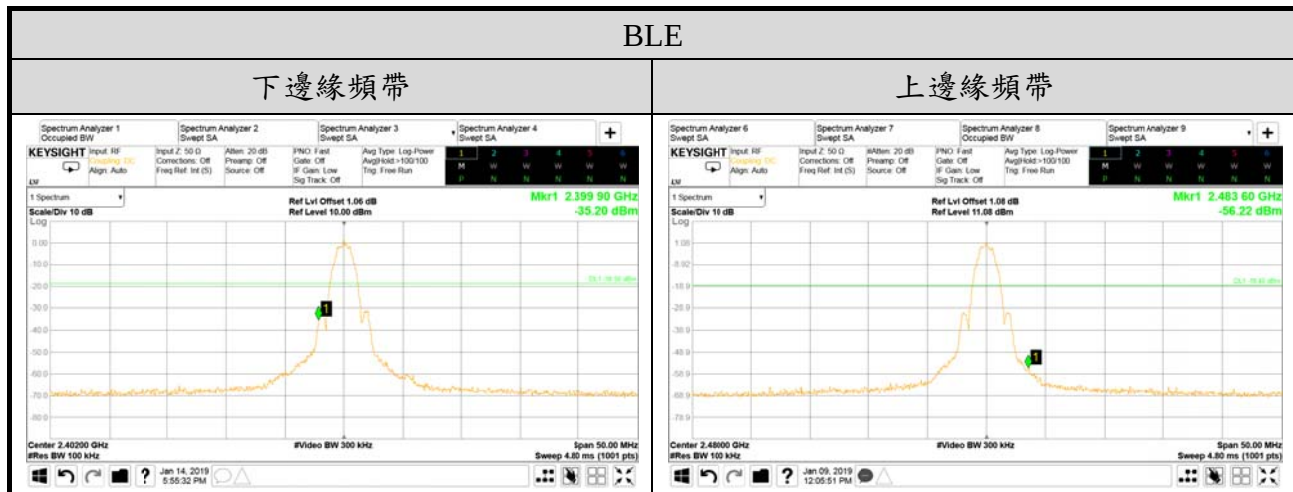
4.2. 峰值輸出功率之量測圖





## 5. 頻帶邊緣之 RF 傳導發射之量測

|      |                  |        |          |
|------|------------------|--------|----------|
| 測試日期 | 2019/01/14       | 環境溫/濕度 | 23°C/53% |
| 測試電壓 | DC 3.7V (透過電池供電) |        |          |



註: BLE 以最大傳發射功率之模式 2M 進行量測。

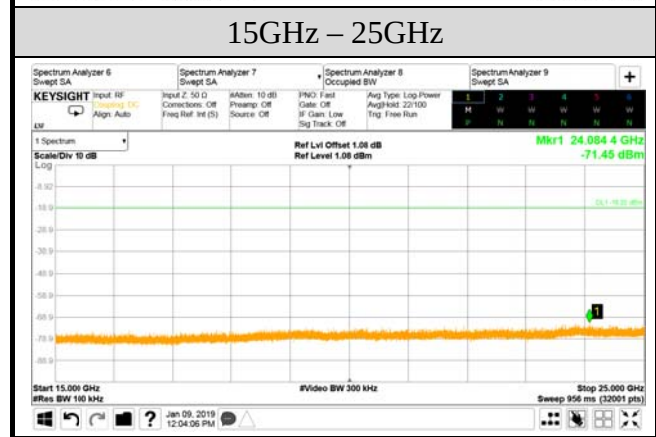
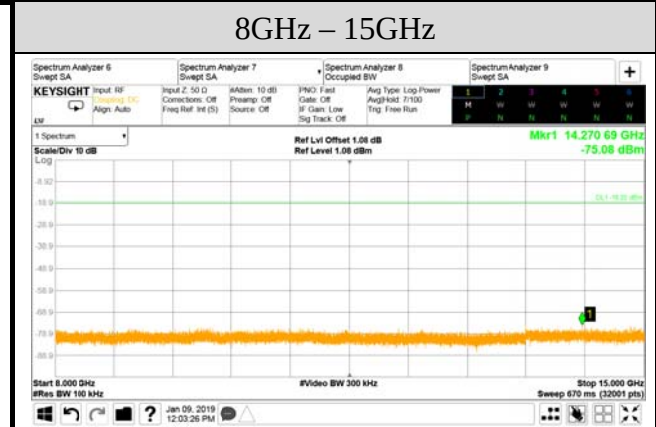
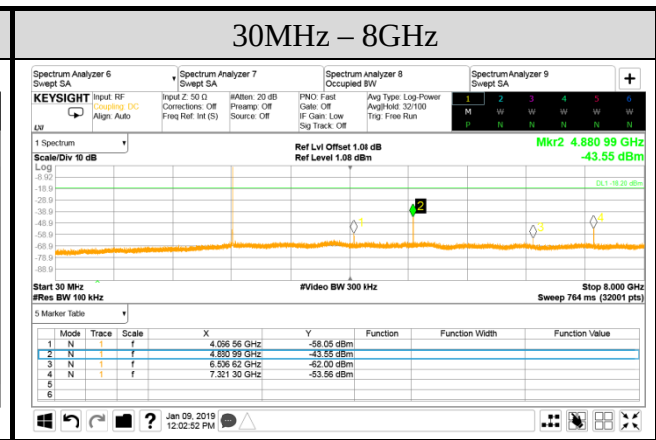
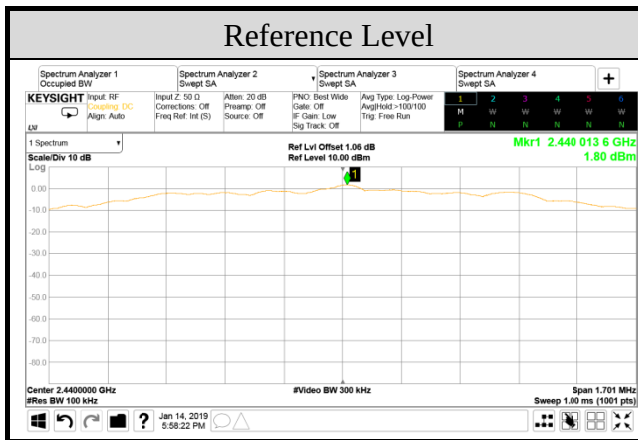
## 6. 混附發射之 RF 傳導發射之量測

|      |                  |        |          |
|------|------------------|--------|----------|
| 測試日期 | 2019/01/14       | 環境溫/濕度 | 23°C/53% |
| 測試電壓 | DC 3.7V (透過電池供電) | 模式     | BLE      |
|      |                  | 測試頻率   | 2402MHz  |



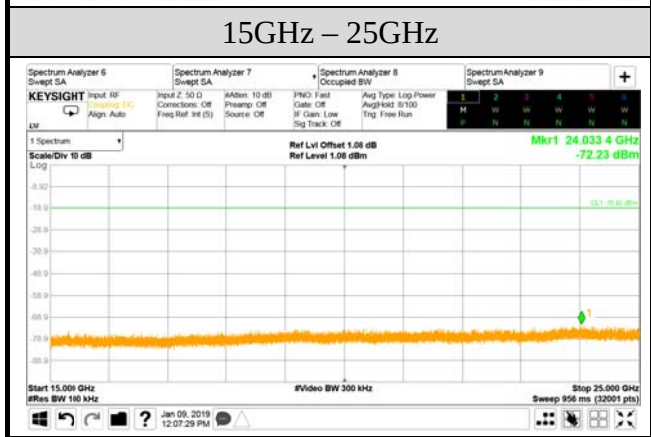
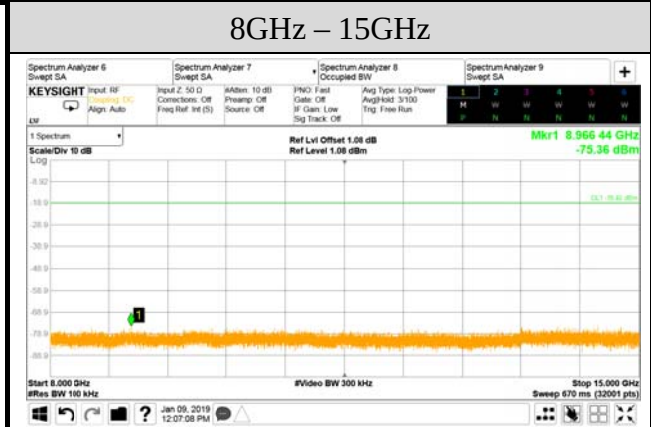
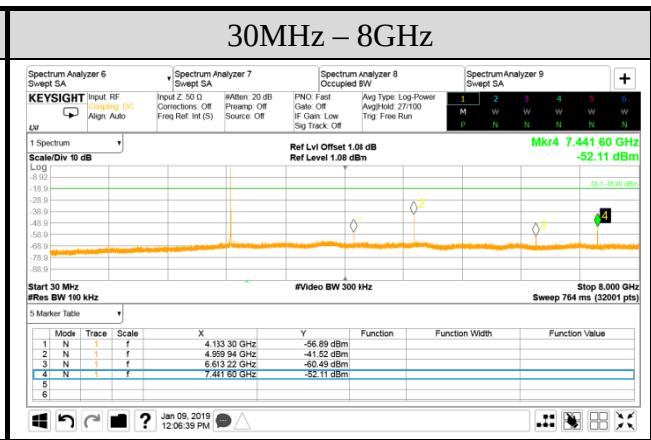
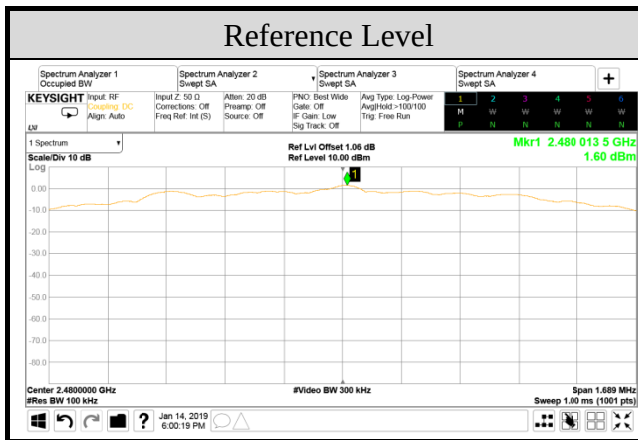
註: BLE 以最大傳發射功率之模式 2M 進行量測。

|      |                  |        |                    |
|------|------------------|--------|--------------------|
| 測試日期 | 2019/01/09 ~ 14  | 環境溫/濕度 | 21 ~ 23°C/52 ~ 53% |
| 測試電壓 | DC 3.7V (透過電池供電) | 模式     | BLE                |
|      |                  | 測試頻率   | 2440MHz            |



註: BLE 以最大傳發射功率之模式 2M 進行量測。

|      |                  |        |                    |
|------|------------------|--------|--------------------|
| 測試日期 | 2019/01/09 ~ 14  | 環境溫/濕度 | 21 ~ 23°C/52 ~ 53% |
| 測試電壓 | DC 3.7V (透過電池供電) | 模式     | BLE                |
|      |                  | 測試頻率   | 2480MHz            |



註: BLE 以最大傳發射功率之模式 2M 進行量測。

## 7. 功率密度之量測

|      |                  |        |          |
|------|------------------|--------|----------|
| 測試日期 | 2019/01/14       | 環境溫/濕度 | 23°C/53% |
| 測試電壓 | DC 3.7V (透過電池供電) |        |          |

### 7.1. 功率密度

| 模式  | 測試頻率 (MHz) | 功率密度 (dBm) | 限制值 (dBm) |
|-----|------------|------------|-----------|
| BLE | 2402       | 1.50       | 8         |
|     | 2440       | 1.80       |           |
|     | 2480       | 1.60       |           |

註：測試結果係依照 FCC 公告之 KDB558074 D01V05，解析頻寬以 100kHz 量測其測試結果較 3kHz 嚴格

註：BLE 以最大傳發射功率之模式 2M 進行量測。

### 7.2. 功率密度之量測圖

