

# 附錄 一

## 受測裝置之測試結果

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# 1. 場強輻射之量測

## 1.1. 量測 Frequency 範圍: 9kHz-30MHz

|      |                   |        |           |
|------|-------------------|--------|-----------|
| 測試日期 | 2020/12/07        | 環境溫/濕度 | 22°C/73%  |
| 測試電壓 | DC 12V (經直流電源供應器) | 測試人員   | Sean Wang |

天線極性 0°

| Emission Frequency (kHz) | Emission Level @3m (dBμV/m) | Limits@3m (Average) (dBμV/m) | Margin (dB) | Detector            |
|--------------------------|-----------------------------|------------------------------|-------------|---------------------|
| 125.043                  | 86.50                       | 105.66                       | 19.16       | Peak <sup>註 2</sup> |
| 375.400                  | 47.80                       | 96.11                        | 48.31       | Peak <sup>註 2</sup> |
| 624.900                  | 39.20                       | 71.69                        | 32.49       | QP                  |

天線極性 90°

| Emission Frequency (kHz) | Emission Level @3m (dBμV/m) | Limits@3m (Average) (dBμV/m) | Margin (dB) | Detector            |
|--------------------------|-----------------------------|------------------------------|-------------|---------------------|
| 125.043                  | 82.70                       | 105.66                       | 22.96       | Peak <sup>註 2</sup> |
| 373.550                  | 43.20                       | 96.16                        | 52.96       | Peak <sup>註 2</sup> |

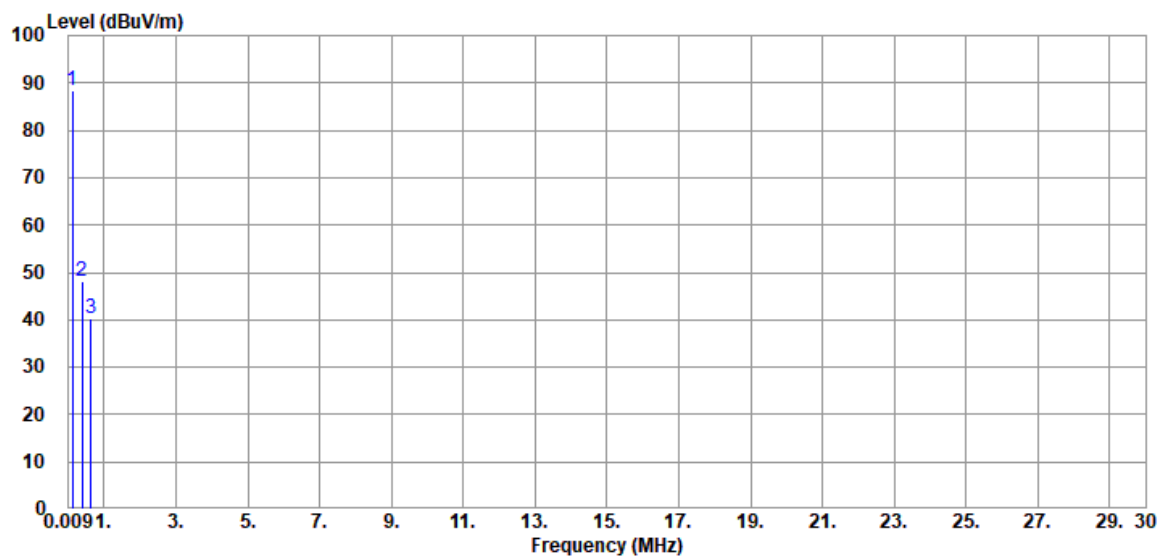
註: 1. 低於限制值 20dB 以上的讀值是不列入上表中。

2. 因 Peak 值低於 Average limit 所以不另行讀 Average。

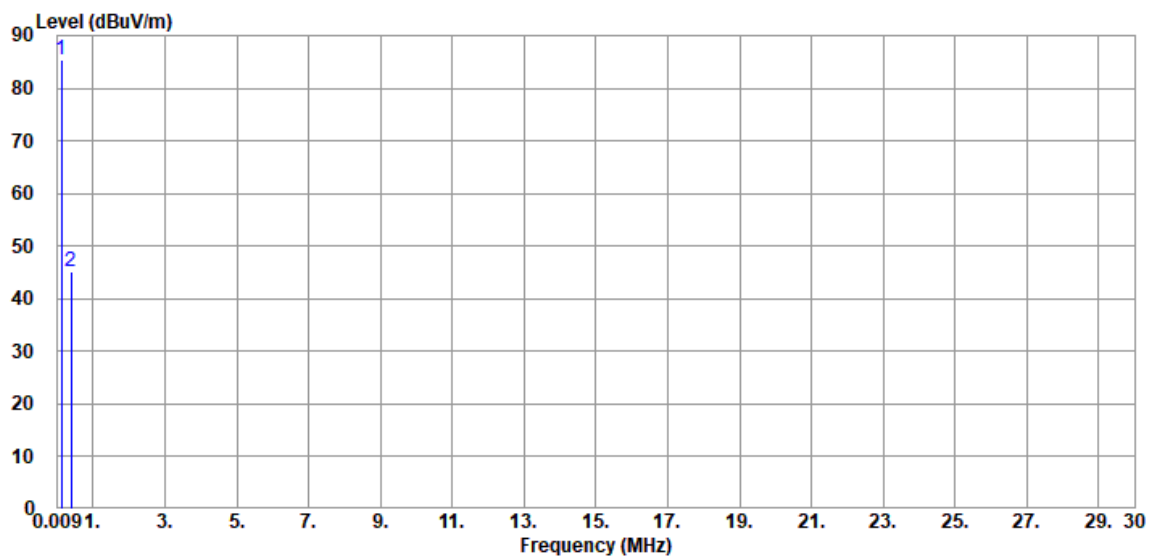
• 量測之波形圖(9kHz-30MHz)

|      |                   |        |           |
|------|-------------------|--------|-----------|
| 測試日期 | 2020/12/07        | 環境溫/濕度 | 22°C/73%  |
| 測試電壓 | DC 12V (經直流電源供應器) | 測試人員   | Sean Wang |

天線極性 0°

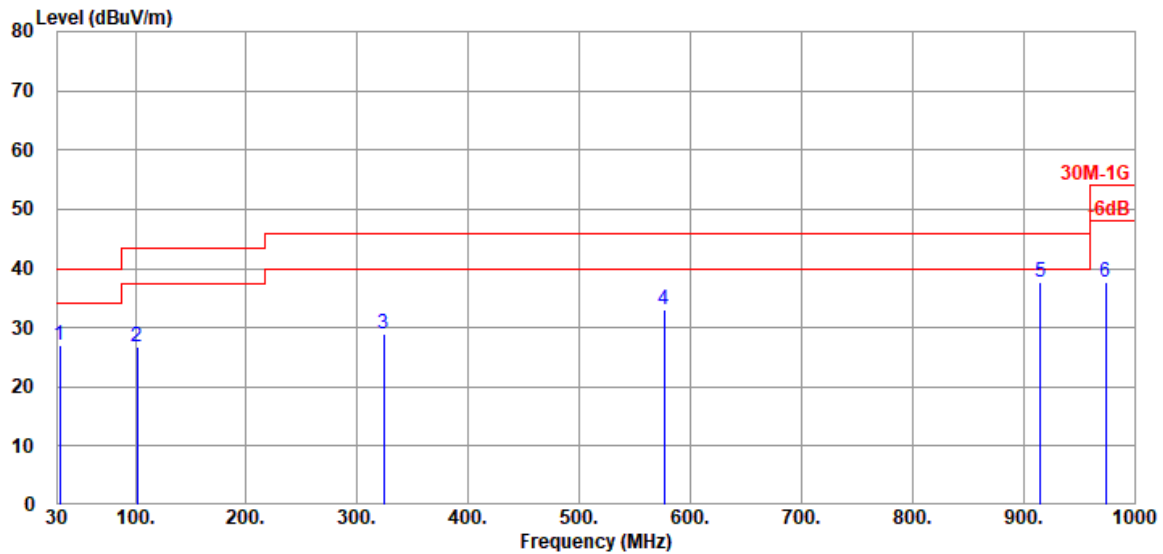


天線極性 90°



## 1.2. 量測 Frequency 範圍: 30MHz-1000MHz

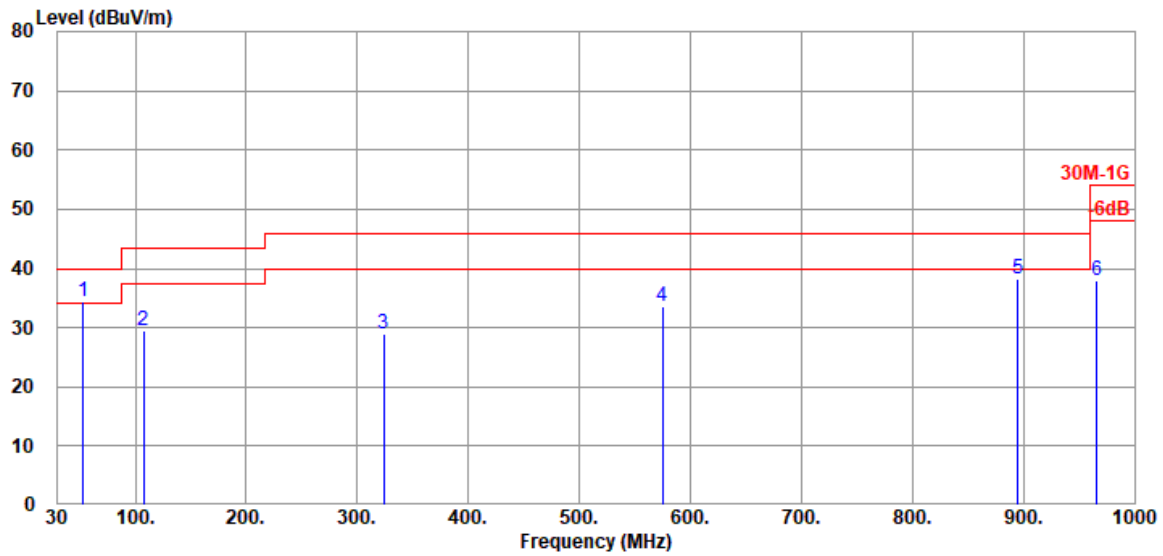
|      |                   |        |           |
|------|-------------------|--------|-----------|
| 測試日期 | 2020/12/07        | 環境溫/濕度 | 22°C/73%  |
| 測試電壓 | DC 12V (經直流電源供應器) | 測試人員   | Sean Wang |



Antenna at Horizontal Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|-------------------|-------------------------|-----------------|-------------|----------|
| 31.940                   | 23.35                 | 1.26            | 26.53                  | 28.89             | 26.97                   | 40.00           | 13.03       | Peak     |
| 101.780                  | 16.92                 | 2.45            | 26.31                  | 33.71             | 26.77                   | 43.50           | 16.73       | Peak     |
| 323.910                  | 19.96                 | 4.91            | 25.92                  | 30.11             | 29.06                   | 46.00           | 16.94       | Peak     |
| 576.110                  | 24.52                 | 7.01            | 27.43                  | 28.98             | 33.08                   | 46.00           | 12.92       | Peak     |
| 915.610                  | 26.92                 | 8.79            | 27.09                  | 29.17             | 37.79                   | 46.00           | 8.21        | Peak     |
| 973.810                  | 27.25                 | 9.04            | 26.90                  | 28.30             | 37.69                   | 54.00           | 16.31       | Peak     |

|      |                   |        |           |
|------|-------------------|--------|-----------|
| 測試日期 | 2020/12/07        | 環境溫/濕度 | 22°C/73%  |
| 測試電壓 | DC 12V (經直流電源供應器) | 測試人員   | Sean Wang |



Antenna at Vertical Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|-------------------|-------------------------|-----------------|-------------|----------|
| 53.280                   | 13.89                 | 1.70            | 26.48                  | 45.40             | 34.51                   | 40.00           | 5.49        | Peak     |
| 107.600                  | 17.53                 | 2.53            | 26.27                  | 35.76             | 29.55                   | 43.50           | 13.95       | Peak     |
| 323.910                  | 19.96                 | 4.91            | 25.92                  | 30.12             | 29.07                   | 46.00           | 16.93       | Peak     |
| 575.140                  | 24.50                 | 7.00            | 27.43                  | 29.53             | 33.60                   | 46.00           | 12.40       | Peak     |
| 895.240                  | 26.78                 | 8.69            | 27.15                  | 29.92             | 38.24                   | 46.00           | 7.76        | Peak     |
| 966.050                  | 27.21                 | 9.01            | 26.92                  | 28.76             | 38.06                   | 54.00           | 15.94       | Peak     |

### 1.3. 頻寬量測

|      |                   |        |           |
|------|-------------------|--------|-----------|
| 測試日期 | 2020/12/07        | 環境溫/濕度 | 21°C/70%  |
| 測試電壓 | DC 12V (經直流電源供應器) | 測試人員   | Sean Wang |

