



# 晶復科技股份有限公司

## A Test Lab Techno Corp.

### 低功率射頻器材試驗報告

報告編號 2012DR49

版本(Rev.) 01

產品名稱 HUAWEI MateBook 14

申請廠商 訊嵐技術有限公司

廠牌 HUAWEI

型式 (號) KLVV-WFH9

產品試驗依據之標準 低功率射頻器材技術規範(LP0002) 109 年 7 月 1 日

報告發行日期 110 年 01 月 11 日

填發本型式認可報告之試驗機構 (認可代號)

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財團法人全國認證基金會  
認證編號 : 1330  
認證有效期間 : 108.09.06 ~ 111.09.05  
認可能量範圍 : 低功率射頻器材技術規範(LP0002) (頻率範圍:9 kHz to 40 GHz)

#### 免責聲明

- 1.本測試報告所敘述之測試結果，僅對顧客所提供之測試樣品，在此測試報告所述及之測試條件下，所實施之量測有效。
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報告修訂紀錄

| 版本<br>(Rev.) | 發行日期            | 修訂內容                                                                                 | 修訂者 |
|--------------|-----------------|--------------------------------------------------------------------------------------|-----|
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|              |                 |                                                                                      |     |
|              |                 |                                                                                      |     |

## 低功率射頻器材測試證明書

產品名稱：HUAWEI MateBook 14

廠牌：HUAWEI

型號：KLVL-WFH9

申請廠商：訊歲技術有限公司

申請者地址：臺北市內湖區洲子街55、57號3

製造廠商：Huawei Device Co., Ltd.

製造廠商地址：No.2 of Xincheng Road, Songshan Lake Zone, Dongguan, Guangdong  
523808, People's Republic of China

待測物電壓：輸入：DC 20 V, 3.25 A  
輸出：PD DC 5 V, 2 A

試驗電壓：110 Vac, 60 Hz

量測規範：低功率射頻器材技術規範(LP0002) 109年7月1日

試驗實驗室：晶復科技股份有限公司(桃園市八德區長安街140-1號)

樣品接受日期：109 年 12 月 17 日

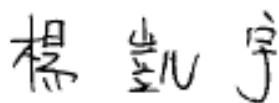
試驗日期：109 年 12 月 22 日 ~ 109 年 12 月 28 日

報告中所描述之測試結果與待測設備之架構組合，均根據實際量測情況作詳實的記錄。

由測試結果顯示，上述待測設備樣機確實已符合低功率射頻器材技術規範(LP0002)所規定的各項限制值。

特此證明！

審核者：



( 楊 凱 宇 )

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## 1. 一般敘述

### 1.1 待測設備一般敘述

本敘述僅針對產品簡單說明之，其他詳細之規格請參考使用說明書。

|             |                                                                                                                                                                                                                                                                                                                    |                       |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 產 品 名 稱     | HUAWEI MateBook 14                                                                                                                                                                                                                                                                                                 |                       |
| 廠 牌         | HUAWEI                                                                                                                                                                                                                                                                                                             |                       |
| 型 號         | KLVL-WFH9                                                                                                                                                                                                                                                                                                          |                       |
| 額 定 電 源     | 輸入：DC 20 V, 3.25 A<br>輸出：PD DC 5 V, 2 A                                                                                                                                                                                                                                                                            |                       |
| 調 變 方 式     | IEEE 802.11b: DSSS<br>IEEE 802.11g: OFDM<br>IEEE 802.11n 2.4 GHz 20 MHz / 40 MHz: OFDM<br>IEEE 802.11a U-NII Band: OFDM<br>IEEE 802.11n 5 GHz 20 MHz / 40 MHz U-NII Band: OFDM<br>IEEE 802.11ac 20 MHz / 40 MHz / 80 MHz U-NII Band: OFDM<br>*此產品之不具有動態選擇(DFS)之雷達偵測功能<br>(Client without radar detection function) |                       |
| 頻 率 使 用 範 圍 | Mode                                                                                                                                                                                                                                                                                                               | Frequency Range (MHz) |
|             | IEEE 802.11b / IEEE 802.11g / IEEE 802.11n 2.4 GHz 20 MHz                                                                                                                                                                                                                                                          | 2412 – 2462           |
|             | IEEE 802.11n 2.4 GHz 40 MHz                                                                                                                                                                                                                                                                                        | 2422 – 2452           |
|             | IEEE 802.11a / IEEE 802.11n 5 GHz 20 MHz U-NII Band I<br>IEEE 802.11ac 20 MHz U-NII Band I                                                                                                                                                                                                                         | 5180 – 5240           |
|             | IEEE 802.11a / IEEE 802.11n 5 GHz 20 MHz U-NII Band II-A<br>IEEE 802.11ac 20 MHz U-NII Band II-A                                                                                                                                                                                                                   | 5260 – 5320           |
|             | IEEE 802.11a / IEEE 802.11n 5 GHz 20 MHz U-NII Band II-C<br>IEEE 802.11ac 20 MHz U-NII Band II-C                                                                                                                                                                                                                   | 5500 – 5700           |
|             | IEEE 802.11a / IEEE 802.11n 5 GHz 20 MHz U-NII Band III<br>IEEE 802.11ac 20 MHz U-NII Band III                                                                                                                                                                                                                     | 5745 – 5825           |
|             | IEEE 802.11n 5 GHz 40 MHz U-NII Band I<br>IEEE 802.11ac 40 MHz U-NII Band I                                                                                                                                                                                                                                        | 5190 – 5230           |
|             | IEEE 802.11n 5 GHz 40 MHz U-NII Band II-A<br>IEEE 802.11ac 40 MHz U-NII Band II-A                                                                                                                                                                                                                                  | 5270 – 5310           |
|             | IEEE 802.11n 5 GHz 40 MHz U-NII Band II-C<br>IEEE 802.11ac 40 MHz U-NII Band II-C                                                                                                                                                                                                                                  | 5510 – 5670           |
|             | IEEE 802.11n 5 GHz 40 MHz U-NII Band III<br>IEEE 802.11ac 40 MHz U-NII Band III                                                                                                                                                                                                                                    | 5755 – 5795           |
|             | IEEE 802.11ac 80 MHz U-NII Band I                                                                                                                                                                                                                                                                                  | 5210                  |
|             | IEEE 802.11ac 80 MHz U-NII Band II-A                                                                                                                                                                                                                                                                               | 5290                  |
|             | IEEE 802.11ac 80 MHz U-NII Band II-C                                                                                                                                                                                                                                                                               | 5530                  |
|             | IEEE 802.11ac 80 MHz U-NII Band III                                                                                                                                                                                                                                                                                | 5775                  |

| 天 線 資 訊   | Antenna                                   | 廠牌                         | 型號     | 型態           | 增益值(dBi) |       |
|-----------|-------------------------------------------|----------------------------|--------|--------------|----------|-------|
|           |                                           |                            |        |              | 2.4 GHz  | 5 GHz |
| 天 線 資 訊   | ANT-0 / ANT-1                             | (1) INPAQ<br>(2) SOUTHSTAR | NB2686 | PIFA Antenna | 1        | 2     |
|           | GANT                                      |                            |        |              | 1.00     | 2.00  |
|           | Directional Gain                          |                            |        |              | 4.01     | 5.01  |
|           |                                           |                            |        |              |          |       |
| RF 最大輸出功率 | Mode                                      |                            |        | Power        |          |       |
|           | IEEE 802.11b                              |                            |        | 14.51 dBm    | 0.028 W  |       |
|           | IEEE 802.11g                              |                            |        | 14.25 dBm    | 0.027 W  |       |
|           | IEEE 802.11n 2.4 GHz 20 MHz               |                            |        | 14.43 dBm    | 0.028 W  |       |
|           | IEEE 802.11n 2.4 GHz 40 MHz               |                            |        | 14.36 dBm    | 0.027 W  |       |
|           | IEEE 802.11a U-NII Band I                 |                            |        | 11.46 dBm    | 0.014 W  |       |
|           | IEEE 802.11a U-NII Band II-A              |                            |        | 11.51 dBm    | 0.014 W  |       |
|           | IEEE 802.11a U-NII Band II-C              |                            |        | 11.41 dBm    | 0.014 W  |       |
|           | IEEE 802.11a U-NII Band III               |                            |        | 11.58 dBm    | 0.014 W  |       |
|           | IEEE 802.11n 5 GHz 20 MHz U-NII Band I    |                            |        | 11.76 dBm    | 0.015 W  |       |
|           | IEEE 802.11n 5 GHz 20 MHz U-NII Band II-A |                            |        | 11.55 dBm    | 0.014 W  |       |
|           | IEEE 802.11n 5 GHz 20 MHz U-NII Band II-C |                            |        | 11.40 dBm    | 0.014 W  |       |
|           | IEEE 802.11n 5 GHz 20 MHz U-NII Band III  |                            |        | 11.50 dBm    | 0.014 W  |       |
|           | IEEE 802.11n 5 GHz 40 MHz U-NII Band I    |                            |        | 11.44 dBm    | 0.014 W  |       |
|           | IEEE 802.11n 5 GHz 40 MHz U-NII Band II-A |                            |        | 11.40 dBm    | 0.014 W  |       |
|           | IEEE 802.11n 5 GHz 40 MHz U-NII Band II-C |                            |        | 11.23 dBm    | 0.013 W  |       |
|           | IEEE 802.11n 5 GHz 40 MHz U-NII Band III  |                            |        | 11.54 dBm    | 0.014 W  |       |
|           | IEEE 802.11ac 20 MHz U-NII Band I         |                            |        | 11.87 dBm    | 0.015 W  |       |
|           | IEEE 802.11ac 20 MHz U-NII Band II-A      |                            |        | 11.61 dBm    | 0.014 W  |       |
|           | IEEE 802.11ac 20 MHz U-NII Band II-C      |                            |        | 11.52 dBm    | 0.014 W  |       |
|           | IEEE 802.11ac 20 MHz U-NII Band III       |                            |        | 11.58 dBm    | 0.014 W  |       |
|           | IEEE 802.11ac 40 MHz U-NII Band I         |                            |        | 11.51 dBm    | 0.014 W  |       |
|           | IEEE 802.11ac 40 MHz U-NII Band II-A      |                            |        | 11.48 dBm    | 0.014 W  |       |
|           | IEEE 802.11ac 40 MHz U-NII Band II-C      |                            |        | 11.30 dBm    | 0.014 W  |       |
|           | IEEE 802.11ac 40 MHz U-NII Band III       |                            |        | 11.59 dBm    | 0.014 W  |       |
|           | IEEE 802.11ac 80 MHz U-NII Band I         |                            |        | 10.26 dBm    | 0.011 W  |       |
|           | IEEE 802.11ac 80 MHz U-NII Band II-A      |                            |        | 11.45 dBm    | 0.014 W  |       |
|           | IEEE 802.11ac 80 MHz U-NII Band II-C      |                            |        | 9.74 dBm     | 0.009 W  |       |
|           | IEEE 802.11ac 80 MHz U-NII Band III       |                            |        | 11.53 dBm    | 0.014 W  |       |

輸出/輸入埠說明：

| 輸 出 / 入 埠 |                 | 數量 | 介面內容說明         |
|-----------|-----------------|----|----------------|
| 1         | USB Port        | 2  | 連接至 HDD        |
| 2         | HDMI out Port   | 1  | 連接至液晶螢幕        |
| 3         | Audio Port      | 1  | 連接至耳機麥克風       |
| 4         | USB Type-C Port | 1  | 連接至電源供應器/多媒體終端 |

附屬裝置表：

| 裝置名稱      | 廠牌     | 型號              | 備註                                                                                                                                                                                  |
|-----------|--------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 內建固定式電池   | HUAWEI | HB4593R1ECW-22A | 7.64 VDC, 7330 mAh<br>製造商(1)：Shenzhen Sunwoda Intelligence Technology Co., Ltd.<br>製造商(2)：Huizhou Desay Battery Co.,Ltd.<br>製造商(3)：Dynapack Electronic Technology(SuZhou) Co., Ltd. |
| 電源供應器     | HUAWEI | HW-200325UP0    | INPUT : 100-240 VAC, 50/60 Hz, 1.8 A<br>OUTPUT : 5 VDC, 2 A OR 9 VDC, 2 A OR 12 VDC, 2 A OR 15 VDC, 3 A OR 20 VDC, 3.25 A                                                           |
| USB Cable | HUAWEI | 04071375        | Type-C → Type-C<br>Shielded, 1.75 m                                                                                                                                                 |

## 1.2 其他相關聲明

本測試報告屬(以下選擇一種打■)

|                                     |                                            |
|-------------------------------------|--------------------------------------------|
| <input checked="" type="checkbox"/> | 申請新的型式檢驗認可的測試。                             |
| <input type="checkbox"/>            | 已取得型式檢驗認可之商品,因設計變更而重新測試。<br>登錄號碼: XXXXXXXX |

## 2. 量測儀器及測試配置說明

### 2.1 量測設備

For Conducted Emission  
Test Period: Dec. 22, 2020  
測試者: 申世傑

| 名 稱                    | 廠 牌 | 型 號    | 序 號    | 本次校驗日期     | 校驗年限   |
|------------------------|-----|--------|--------|------------|--------|
| 測試接收機<br>(9 kHz~3 GHz) | R&S | ESCI   | 100367 | 05/25/2020 | 1 year |
| 線性阻抗模擬網路               | R&S | ENV216 | 101040 | 03/23/2020 | 1 year |
| 線性阻抗模擬網路               | R&S | ENV216 | 101041 | 04/06/2020 | 1 year |

For Conducted  
Test Period: Dec. 22 ~ Dec. 28, 2020  
測試者: 林佳禾

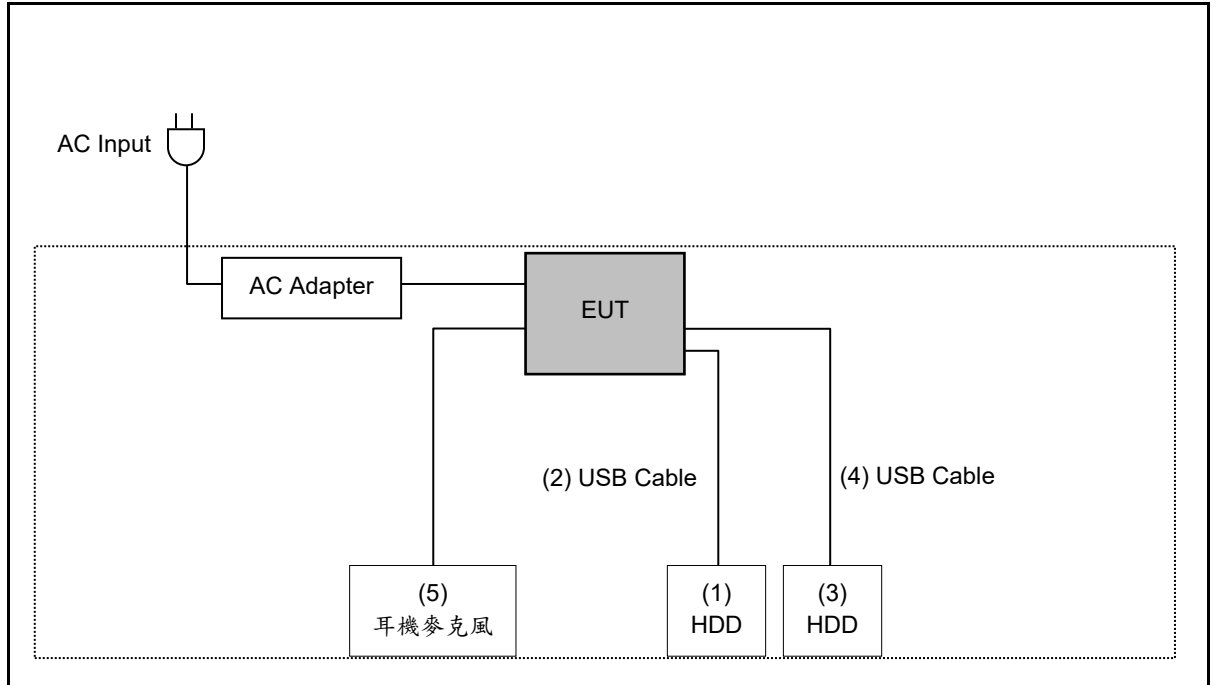
| 名 稱                                   | 廠 牌     | 型 號    | 序 號        | 本次校驗日期     | 校驗年限   |
|---------------------------------------|---------|--------|------------|------------|--------|
| Power Sensor                          | Agilent | N1921A | MY45241957 | 12/09/2020 | 1 year |
| Power Meter                           | Agilent | N1911A | MY45101619 | 12/09/2020 | 1 year |
| Spectrum<br>Analyzer<br>(3 Hz~50 GHz) | Agilent | N9030A | MY53120541 | 01/06/2020 | 1 year |

For Radiated Emissions  
Test Period: Dec. 23 ~ Dec. 25, 2020  
測試者: 葉佳原, 劉彥聖, 李亭衛, 周瑞鴻, 廖經雄

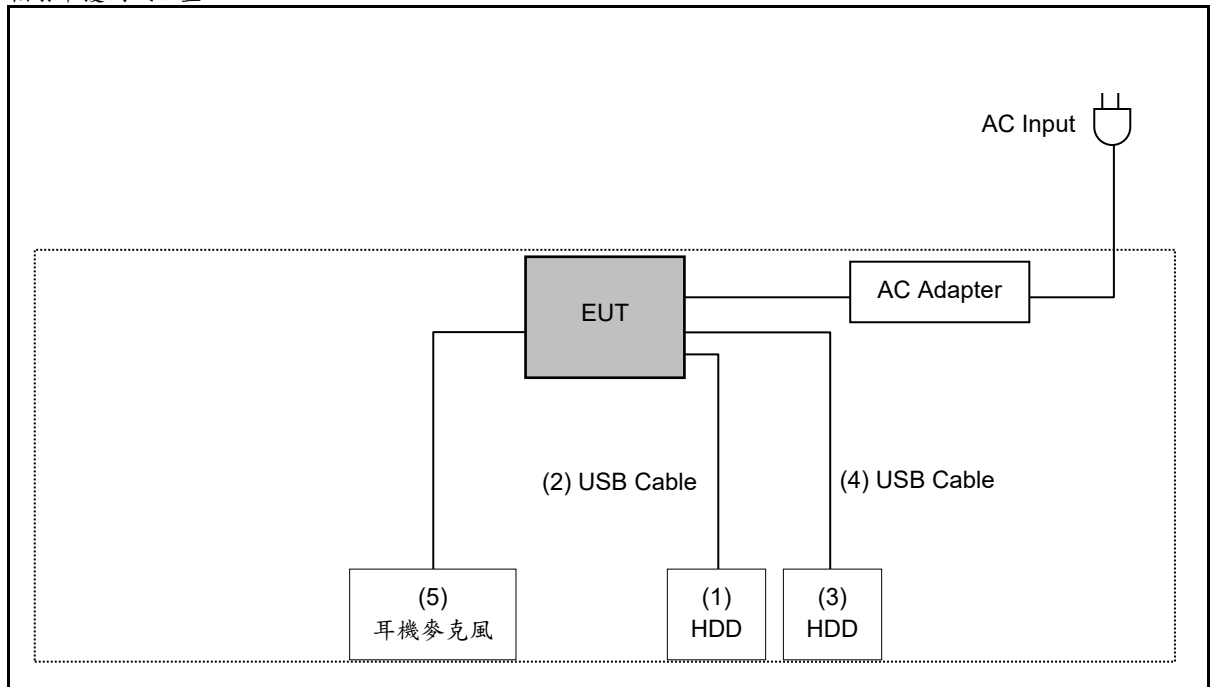
| 名 稱                  | 廠 牌                            | 型 號                   | 序 號        | 本次校驗日期     | 校驗年限   |
|----------------------|--------------------------------|-----------------------|------------|------------|--------|
| Spectrum<br>Analyzer | Keysight                       | N9030B                | MY57143537 | 04/14/2020 | 1 year |
| Amplifier            | Titan                          | T0910E00014330<br>A1F | 001        | 07/23/2020 | 1 year |
| Amplifier            | Titan                          | T0912E01263025<br>A1F | 002        | 07/23/2020 | 1 year |
| Preamplifier         | EMCI                           | EMC2654045            | 980028     | 08/24/2020 | 1 year |
| 天線                   | SCHWARZBECK<br>MESS-ELEKTRONIK | VULB9168              | 01146      | 07/03/2020 | 1 year |
| 天線(1~18 GHz)         | SCHWARZBECK<br>MESS-ELEKTRONIK | BBHA9120D             | 02207      | 06/30/2020 | 1 year |
| 天線(18~40 GHz)        | SCHWARZBECK<br>MESS-ELEKTRONIK | BBHA9170              | 9170-320   | 08/18/2020 | 1 year |

## 2.2 檢驗系統示意圖

電源傳導干擾測試配置

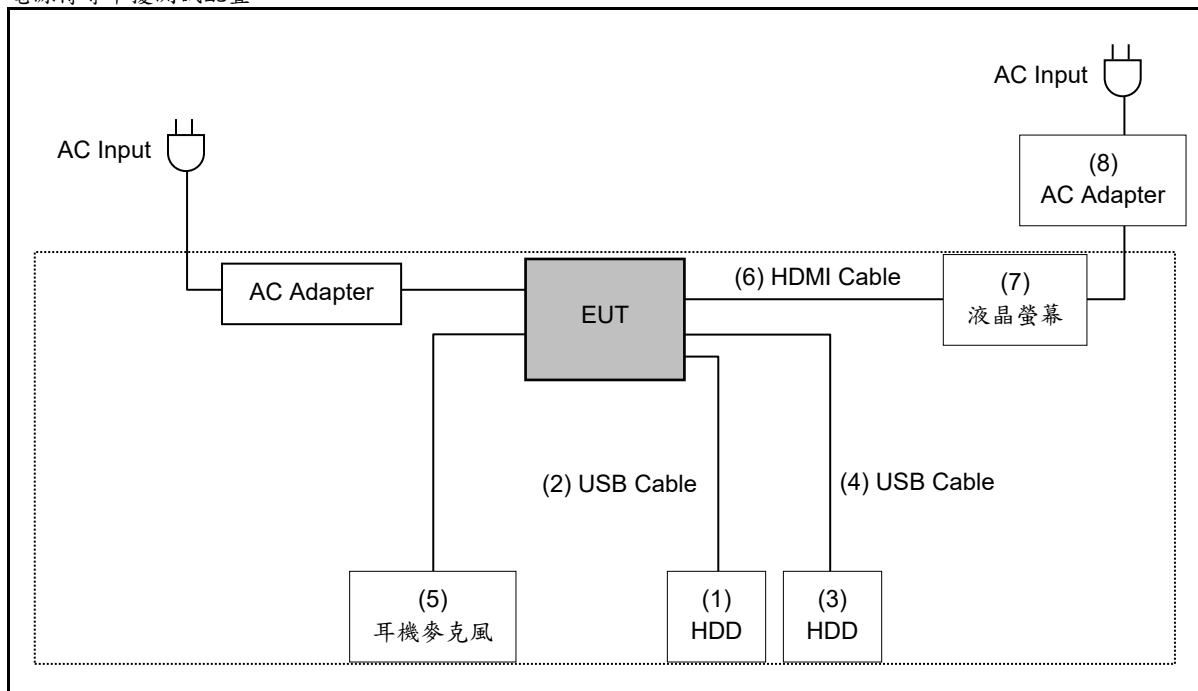


輻射干擾測試配置

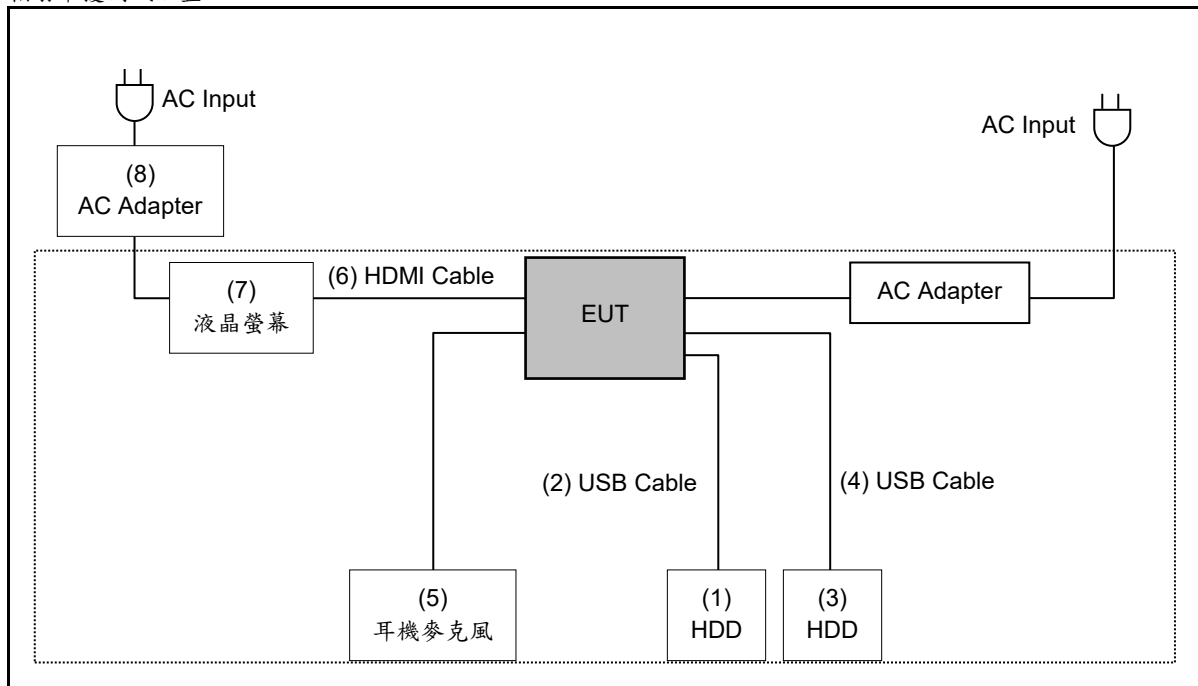


Display Mode

電源傳導干擾測試配置



輻射干擾測試配置



## 2.3 輔助測試之週邊設備描述

下列輔助設備或配件為測試中所使用，以形成一個代表性的受測系統。

| 週邊名稱 |            | 廠 牌      | 型 號            | 電源線 | 備 註                                                                    |
|------|------------|----------|----------------|-----|------------------------------------------------------------------------|
| (1)  | HDD        | Transend | TS1TSJ25A3K-RU | --- | (實驗室提供)                                                                |
| (2)  | USB Cable  | Transend | TS1TSJ25A3K-RU | --- | STD-A → USB 3.0 Micro-B<br>長度：0.46 m<br>(實驗室提供)                        |
| (3)  | HDD        | Transend | TS1TSJ25A3K-RU | --- | (實驗室提供)                                                                |
| (4)  | USB Cable  | Transend | TS1TSJ25A3K-RU | --- | STD-A → USB 3.0 Micro-B<br>長度：0.46 m<br>(實驗室提供)                        |
| (5)  | 耳機麥克風      | HUAWEI   | 22040296       | --- | 長度：1.0 m<br>(實驗室提供)                                                    |
| (6)  | HDMI Cable | Avier    | K48GHS         | --- | 長度：1.7 m<br>(實驗室提供)                                                    |
| (7)  | 液晶螢幕       | ASUS     | MX27U          | --- | (實驗室提供)                                                                |
| (8)  | AC Adapter | ASUS     | ADP-65DW       | --- | INPUT：100-240 VAC, 50/60 Hz, 1.5 A<br>OUTPUT：19 VDC, 3.42 A<br>(實驗室提供) |
| (9)  | 液晶螢幕       | ASUS     | MX27U          | --- | (實驗室提供)                                                                |
| (10) | AC Adapter | ASUS     | ADP-65DW       | --- | INPUT：100-240 VAC, 50/60 Hz, 1.5 A<br>OUTPUT：19 VDC, 3.42 A<br>(實驗室提供) |
| (11) | 手持式行動電話機   | HUAWEI   | ELS-NX9        | --- | NCC ID：CCAK204G0170T4<br>(申請人提供)                                       |

註：本案經申請者切結器材不提供隨貨配件，配件由實驗室(或申請者)提供併同檢驗。

測試組合：

| EUT Configure Mode | CE  | RE<1G | RE ≥ 1G | 備註                              |
|--------------------|-----|-------|---------|---------------------------------|
| 未開啟相機模式            |     | V     | V       |                                 |
| 開啟相機模式             | V   |       |         |                                 |
| 內建固定式電池<br>製造商(1)  | V   | V     | V       |                                 |
| 內建固定式電池<br>製造商(2)  |     |       |         |                                 |
| 內建固定式電池<br>製造商(3)  |     |       |         |                                 |
| 電源供應器              | V   | V     | V       | For USB-C (Power input)         |
| USB Cable          | V   | V     | V       |                                 |
| HDD                | V   | V     | V       | 測試週邊(1)                         |
| USB Cable          | V   | V     | V       | 測試週邊(2)                         |
| HDD                | V   | V     | V       | 測試週邊(3)                         |
| USB Cable          | V   | V     | V       | 測試週邊(4)                         |
| 耳機麥克風              | V   | V     | V       | 測試週邊(5)                         |
| HDMI Cable         | --- | ---   | ---     | 測試週邊(6)                         |
| 液晶螢幕               | --- | ---   | ---     | 測試週邊(7) For HDMI                |
| AC Adapter         | --- | ---   | ---     | 測試週邊(8) For HDMI                |
| 液晶螢幕               | --- | ---   | ---     | 測試週邊(9) For USB-C<br>(Display)  |
| AC Adapter         | --- | ---   | ---     | 測試週邊(10) For USB-C<br>(Display) |
| 手持式行動電話機           | X   |       |         | 測試週邊(11) For USB-C<br>(Charge)  |

RE ≥ 1 GHz : Radiated Emission above 1 GHz & Bandedge Measurement

RE < 1 GHz : Radiated Emission below 1 GHz

CE : Conducted Emission

V : Final mode

X : Non support

--- : No evaluation required

Blank Space : Pre-test mod

| Display Mode       |    |       |         |                                                  |
|--------------------|----|-------|---------|--------------------------------------------------|
| EUT Configure Mode | CE | RE<1G | RE ≥ 1G | 備註                                               |
| 未開啟相機模式            |    | V     | V       |                                                  |
| 開啟相機模式             | V  |       |         |                                                  |
| 內建固定式電池<br>製造商(1)  | V  | V     | V       |                                                  |
| 內建固定式電池<br>製造商(2)  |    |       |         |                                                  |
| 內建固定式電池<br>製造商(3)  |    |       |         |                                                  |
| 電源供應器              | V  | V     | V       | For USB-C (Power input)                          |
| USB Cable          | V  | V     | V       |                                                  |
| HDD                | V  | V     | V       | 測試週邊(1)                                          |
| USB Cable          | V  | V     | V       | 測試週邊(2)                                          |
| HDD                | V  | V     | V       | 測試週邊(3)                                          |
| USB Cable          | V  | V     | V       | 測試週邊(4)                                          |
| 耳機麥克風              | V  | V     | V       | 測試週邊(5)                                          |
| HDMI Cable         | V  | V     | V       | 測試週邊(6)                                          |
| 液晶螢幕               | V  | V     | V       | 測試週邊(7)                                          |
| AC Adapter         | V  | V     | V       | 測試週邊(8)                                          |
| 液晶螢幕               | X  |       |         | 測試週邊(9) For USB-C<br>(Display)                   |
| AC Adapter         | X  |       |         | 測試週邊(10) For USB-C<br>(Power input)<br>(Display) |
| 手持式行動電話機           | X  |       |         | 測試週邊(11) For USB-C<br>(Charge)                   |

RE ≥ 1 GHz : Radiated Emission above 1 GHz &amp; Bandedge Measurement

RE &lt; 1 GHz : Radiated Emission below 1 GHz

CE : Conducted Emission

V : Final mode

X : Non support

--- : No evaluation required

Blank Space : Pre-test mod

Note : USB Type-C Port 驗證 HDMI+USB-C(Power input) &amp; HDMI+USB-C(Display)。

## 2.4 測試軟體版本

| Measurement Software |                    |          |         |
|----------------------|--------------------|----------|---------|
| No.                  | Description        | Software | Version |
| 1                    | Conducted Emission | EZ EMC   | 1.1.4.3 |
| 2                    | Radiated Emission  | EZ EMC   | 1.1.4.4 |

## 2.5 測試模式

使用定頻模式量測

| Pre-Test Mode                                          |
|--------------------------------------------------------|
| Mode 1: Transmit Mode                                  |
| Mode 2: IEEE 802.11b Continuous TX Mode                |
| Mode 3: IEEE 802.11g Continuous TX Mode                |
| Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode |
| Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode |
| Mode 6: IEEE 802.11a Continuous TX Mode                |
| Mode 7: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode   |
| Mode 8: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode   |
| Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode        |
| Mode 10: IEEE 802.11ac 40 MHz Continuous TX Mode       |
| Mode 11: IEEE 802.11ac 80 MHz Continuous TX Mode       |
| Mode 12: Receiver Mode                                 |

| Final-Test Mode                                        |
|--------------------------------------------------------|
| Mode 1: Transmit Mode                                  |
| Mode 2: IEEE 802.11b Continuous TX Mode                |
| Mode 3: IEEE 802.11g Continuous TX Mode                |
| Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode |
| Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode |
| Mode 6: IEEE 802.11a Continuous TX Mode                |
| Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode        |
| Mode 10: IEEE 802.11ac 40 MHz Continuous TX Mode       |
| Mode 11: IEEE 802.11ac 80 MHz Continuous TX Mode       |
| Mode 12: Receiver Mode                                 |

Note 1: ANT-0 is the worst case in Mode 2.

Note 2: Investigation has been done on all the possible configurations for searching the worst cases (VHT20/VHT40 covers HT20/HT40). The table is a list of the test modes show in this test report.

| Test Mode | Frequency<br>(MHz) | RF Power setting in Test Software |       | Test Software Version |
|-----------|--------------------|-----------------------------------|-------|-----------------------|
|           |                    | ANT-0                             | ANT-1 |                       |
| Mode 2    | 2412               | 62.0                              | 72.0  | MP Tool               |
|           | 2437               | 65.0                              | 78.0  |                       |
|           | 2462               | 64.0                              | 76.0  |                       |
| Mode 3    | 2412               | 50.0                              | 60.0  |                       |
|           | 2437               | 53.0                              | 66.0  |                       |
|           | 2462               | 52.0                              | 64.0  |                       |
| Mode 4    | 2412               | 52.0                              | 62.0  |                       |
|           | 2437               | 55.0                              | 67.0  |                       |
|           | 2462               | 54.0                              | 66.0  |                       |
| Mode 5    | 2422               | 41.0                              | 51.0  |                       |
|           | 2437               | 55.0                              | 66.0  |                       |
|           | 2452               | 45.0                              | 58.0  |                       |

| Test Mode | Frequency<br>(MHz) | RF power setting in<br>Test Software |       | Test Software Version |
|-----------|--------------------|--------------------------------------|-------|-----------------------|
|           |                    | ANT-0                                | ANT-1 |                       |
| Mode 6    | 5180               | 54                                   | 64    | MP Tool               |
|           | 5200               | 55                                   | 62    |                       |
|           | 5220               | 57                                   | 60    |                       |
|           | 5240               | 60                                   | 62    |                       |
|           | 5260               | 59                                   | 65    |                       |
|           | 5280               | 61                                   | 65    |                       |
|           | 5300               | 60                                   | 66    |                       |
|           | 5320               | 60                                   | 65    |                       |
|           | 5500               | 55                                   | 59    |                       |
|           | 5520               | 55                                   | 57    |                       |
|           | 5540               | 53                                   | 54    |                       |
|           | 5560               | 53                                   | 49    |                       |
|           | 5580               | 49                                   | 47    |                       |
|           | 5600               | 48                                   | 46    |                       |
|           | 5620               | 47                                   | 45    |                       |
|           | 5640               | 47                                   | 47    |                       |
|           | 5660               | 46                                   | 48    |                       |
|           | 5680               | 46                                   | 47    |                       |
|           | 5700               | 47                                   | 49    |                       |
|           | 5745               | 46                                   | 50    |                       |
|           | 5765               | 47                                   | 53    |                       |
|           | 5785               | 48                                   | 54    |                       |
|           | 5805               | 47                                   | 54    |                       |
|           | 5825               | 47                                   | 51    |                       |

| Test Mode | Frequency<br>(MHz) | RF power setting in<br>Test Software |       | Test Software Version |
|-----------|--------------------|--------------------------------------|-------|-----------------------|
|           |                    | ANT-0                                | ANT-1 |                       |
| Mode 7    | 5180               | 58                                   | 68    | MP Tool               |
|           | 5200               | 57                                   | 67    |                       |
|           | 5220               | 56                                   | 63    |                       |
|           | 5240               | 56                                   | 63    |                       |
|           | 5260               | 58                                   | 63    |                       |
|           | 5280               | 61                                   | 64    |                       |
|           | 5300               | 62                                   | 65    |                       |
|           | 5320               | 63                                   | 66    |                       |
|           | 5500               | 56                                   | 60    |                       |
|           | 5520               | 55                                   | 59    |                       |
|           | 5540               | 54                                   | 51    |                       |
|           | 5560               | 52                                   | 49    |                       |
|           | 5580               | 47                                   | 49    |                       |
|           | 5600               | 47                                   | 48    |                       |
|           | 5620               | 47                                   | 47    |                       |
|           | 5640               | 47                                   | 47    |                       |
|           | 5660               | 44                                   | 48    |                       |
|           | 5680               | 43                                   | 50    |                       |
|           | 5700               | 48                                   | 53    |                       |
|           | 5745               | 46                                   | 53    |                       |
|           | 5765               | 44                                   | 51    |                       |
|           | 5785               | 45                                   | 55    |                       |
|           | 5805               | 45                                   | 56    |                       |
|           | 5825               | 45                                   | 54    |                       |
| Mode 8    | 5190               | 59                                   | 65    |                       |
|           | 5230               | 58                                   | 64    |                       |
|           | 5270               | 59                                   | 65    |                       |
|           | 5310               | 64                                   | 69    |                       |
|           | 5510               | 46                                   | 50    |                       |
|           | 5550               | 49                                   | 53    |                       |
|           | 5590               | 48                                   | 52    |                       |
|           | 5630               | 48                                   | 52    |                       |
|           | 5670               | 47                                   | 50    |                       |
|           | 5755               | 47                                   | 53    |                       |
|           | 5795               | 46                                   | 57    |                       |

| Test Mode | Frequency (MHz) | RF power setting in Test Software |       | Test Software Version |
|-----------|-----------------|-----------------------------------|-------|-----------------------|
|           |                 | ANT-0                             | ANT-1 |                       |
| Mode 9    | 5180            | 58                                | 68    | MP Tool               |
|           | 5200            | 57                                | 67    |                       |
|           | 5220            | 56                                | 63    |                       |
|           | 5240            | 56                                | 63    |                       |
|           | 5260            | 58                                | 63    |                       |
|           | 5280            | 61                                | 64    |                       |
|           | 5300            | 62                                | 65    |                       |
|           | 5320            | 63                                | 66    |                       |
|           | 5500            | 56                                | 60    |                       |
|           | 5520            | 55                                | 59    |                       |
|           | 5540            | 54                                | 51    |                       |
|           | 5560            | 52                                | 49    |                       |
|           | 5580            | 47                                | 49    |                       |
|           | 5600            | 47                                | 48    |                       |
|           | 5620            | 47                                | 47    |                       |
|           | 5640            | 47                                | 47    |                       |
|           | 5660            | 44                                | 48    |                       |
|           | 5680            | 43                                | 50    |                       |
|           | 5700            | 48                                | 53    |                       |
|           | 5745            | 46                                | 53    |                       |
|           | 5765            | 44                                | 51    |                       |
|           | 5785            | 45                                | 55    |                       |
|           | 5805            | 45                                | 56    |                       |
|           | 5825            | 45                                | 54    |                       |
| Mode 10   | 5190            | 59                                | 65    |                       |
|           | 5230            | 58                                | 64    |                       |
|           | 5270            | 59                                | 65    |                       |
|           | 5310            | 64                                | 69    |                       |
|           | 5510            | 46                                | 50    |                       |
|           | 5550            | 49                                | 53    |                       |
|           | 5590            | 48                                | 52    |                       |
|           | 5630            | 48                                | 52    |                       |
|           | 5670            | 47                                | 50    |                       |
|           | 5755            | 47                                | 53    |                       |
|           | 5795            | 46                                | 57    |                       |
| Mode 11   | 5210            | 53                                | 63    |                       |
|           | 5290            | 63                                | 69    |                       |
|           | 5530            | 48                                | 49    |                       |
|           | 5610            | 48                                | 52    |                       |
|           | 5775            | 50                                | 57    |                       |

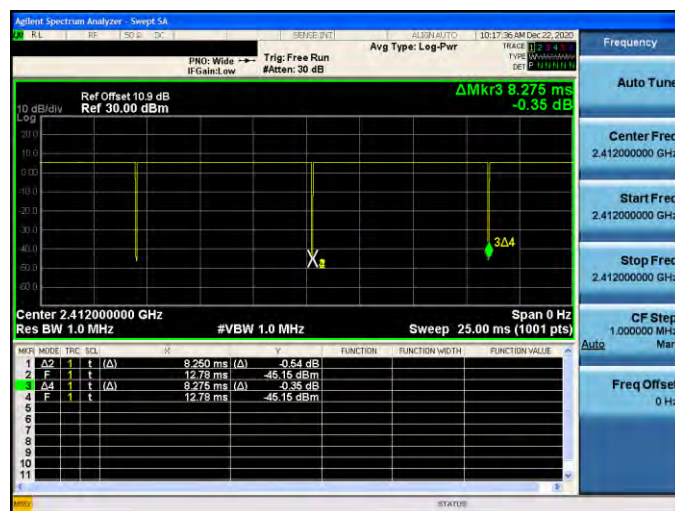
| Test Mode | ANT-0 | ANT-1 | ANT-0+1 |
|-----------|-------|-------|---------|
| Mode 2    | V     | V     | ---     |
| Mode 3    | V     | V     | V       |
| Mode 4    | V     | V     | V       |
| Mode 5    | V     | V     | V       |
| Mode 6    | V     | V     | V       |
| Mode 7    | V     | V     | V       |
| Mode 8    | V     | V     | V       |
| Mode 9    | V     | V     | V       |
| Mode 10   | V     | V     | V       |
| Mode 11   | V     | V     | V       |

| Test Mode | Antenna Delivery     | Data Rate (Mbps) | Test Channel                                         |
|-----------|----------------------|------------------|------------------------------------------------------|
| Mode 2    | 1TX / 1RX(Diversity) | 1                | 1, 6, 11                                             |
| Mode 3    | 2TX / 2RX (CDD)      | 6                | 1, 6, 11                                             |
| Mode 4    | 2TX / 2RX (CDD)      | 13               | 1, 6, 11                                             |
| Mode 5    | 2TX / 2RX (CDD)      | 27               | 3, 6, 9                                              |
| Mode 6    | 2TX / 2RX (CDD)      | 6                | 36, 40, 48, 52, 56, 64, 100, 112, 140, 149, 157, 165 |
| Mode 7    | 2TX / 2RX (CDD)      | 14.4             | 36, 40, 48, 52, 56, 64, 100, 112, 140, 149, 157, 165 |
| Mode 8    | 2TX / 2RX (CDD)      | 30               | 38, 46, 54, 62, 102, 110, 134, 151, 159              |
| Mode 9    | 2TX / 2RX (CDD)      | 14.4             | 36, 40, 48, 52, 56, 64, 100, 112, 140, 149, 157, 165 |
| Mode 10   | 2TX / 2RX (CDD)      | 30               | 38, 46, 54, 62, 102, 110, 134, 151, 159              |
| Mode 11   | 2TX / 2RX (CDD)      | 65               | 42, 58, 106, 155                                     |

Duty cycle

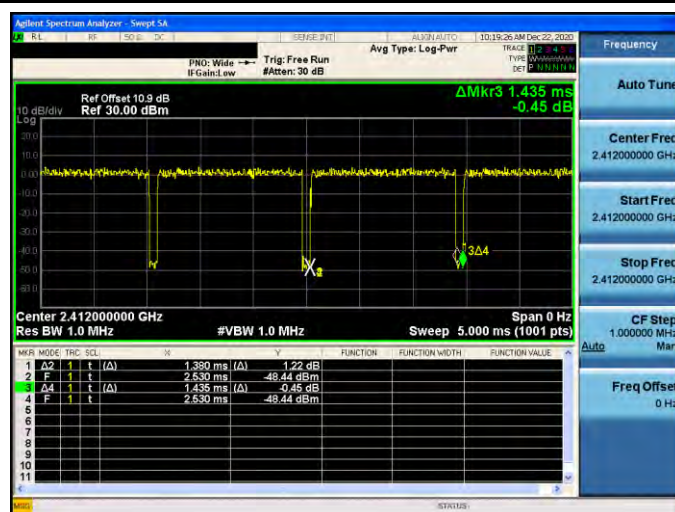
| Test Mode | Frequency<br>(MHz) | on time<br>(ms) | on+off time<br>(ms) | Duty cycle | Duty Factor<br>(dB) | 1/T Minimum<br>VBW<br>(kHz) |
|-----------|--------------------|-----------------|---------------------|------------|---------------------|-----------------------------|
| Mode 2    | 2412.0             | 8.250           | 8.275               | 0.997      | 0.013               | 0.010                       |
| Mode 3    | 2412.0             | 1.380           | 1.435               | 0.962      | 0.170               | 0.725                       |
| Mode 4    | 2412.0             | 0.669           | 0.738               | 0.907      | 0.426               | 1.495                       |
| Mode 5    | 2422.0             | 0.346           | 0.416               | 0.832      | 0.800               | 2.890                       |
| Mode 6    | 5180.0             | 1.375           | 1.490               | 0.923      | 0.349               | 0.727                       |
| Mode 9    | 5180.0             | 1.285           | 1.395               | 0.921      | 0.357               | 0.778                       |
| Mode 10   | 5190.0             | 0.645           | 0.762               | 0.846      | 0.724               | 1.550                       |
| Mode 11   | 5210.0             | 0.324           | 0.446               | 0.726      | 1.388               | 3.086                       |

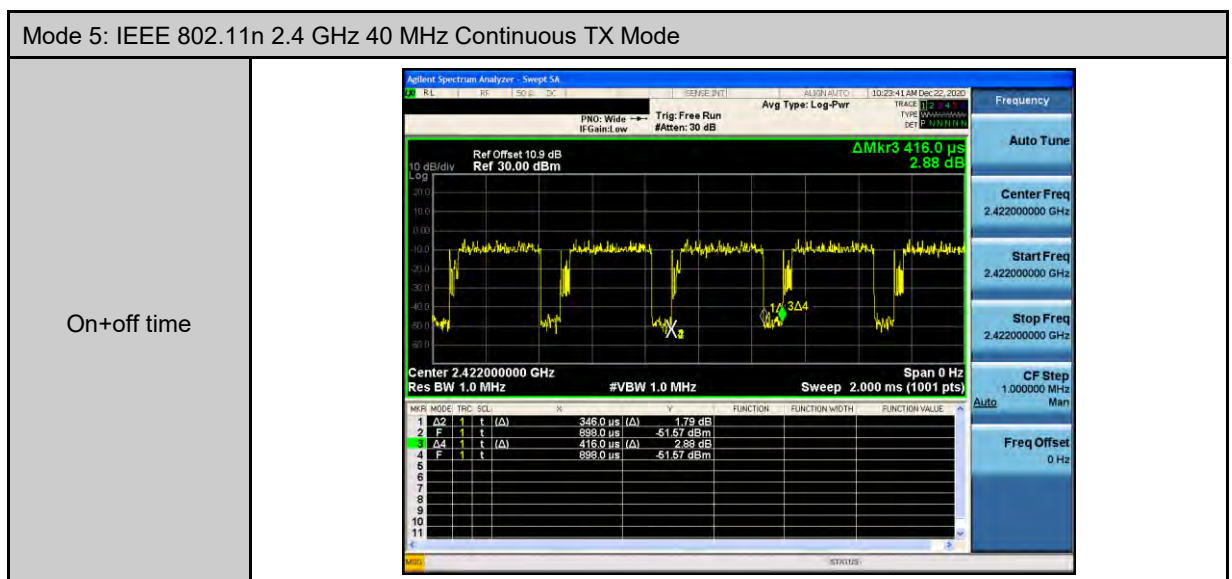
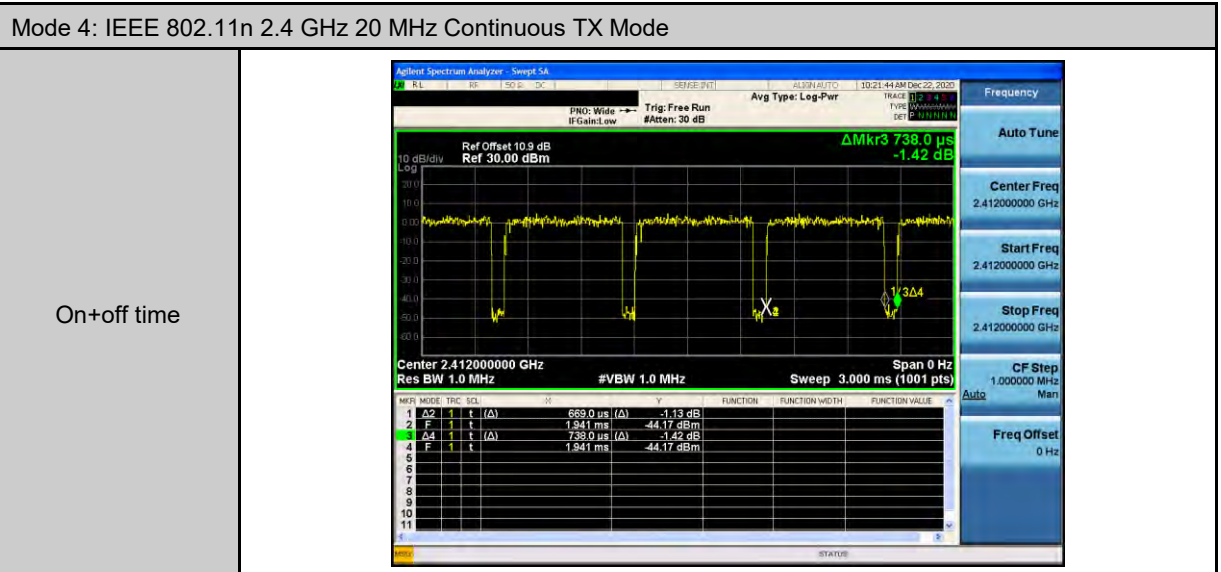
On+off time

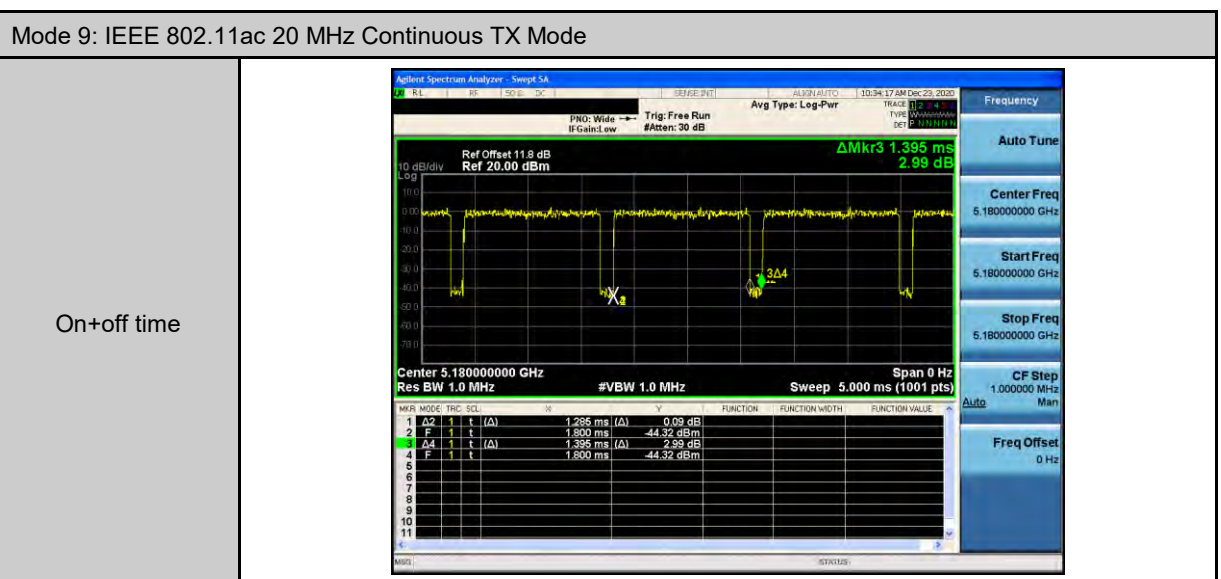
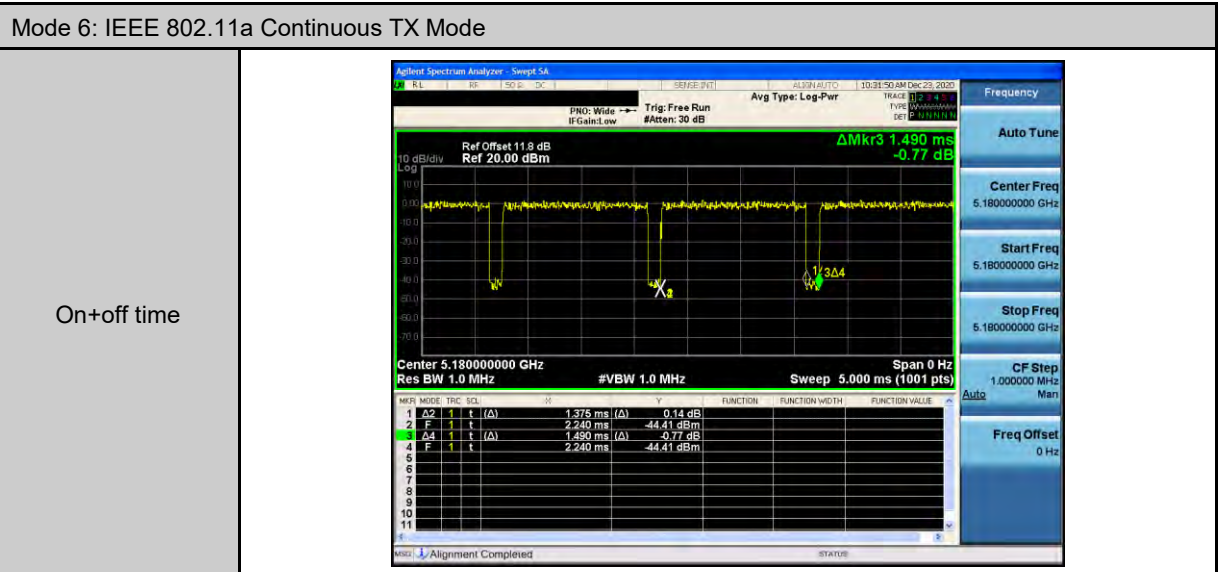


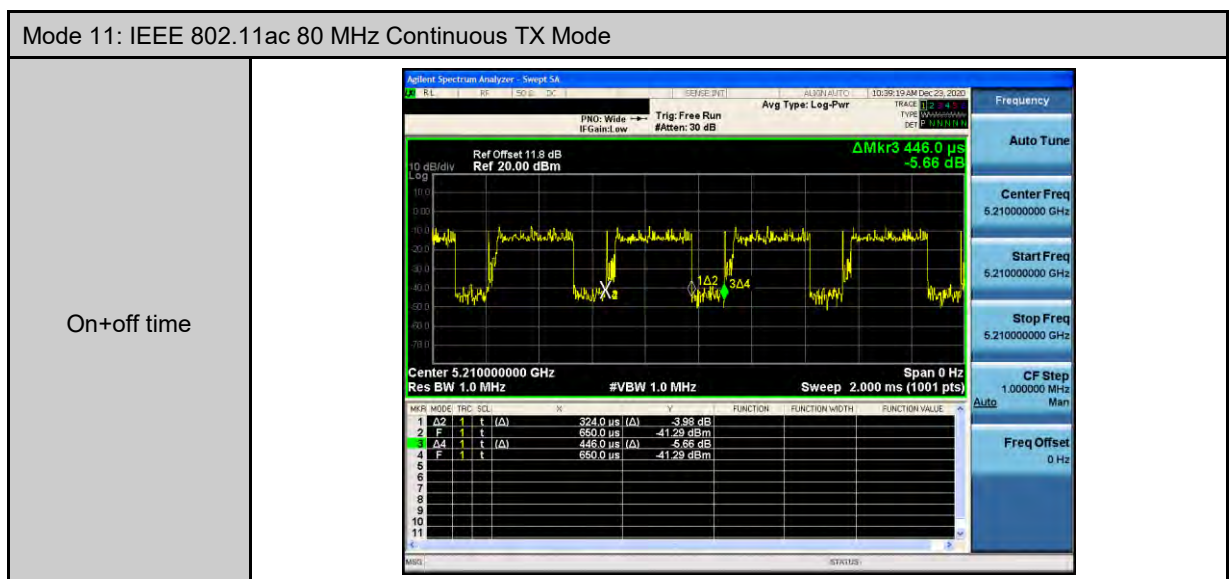
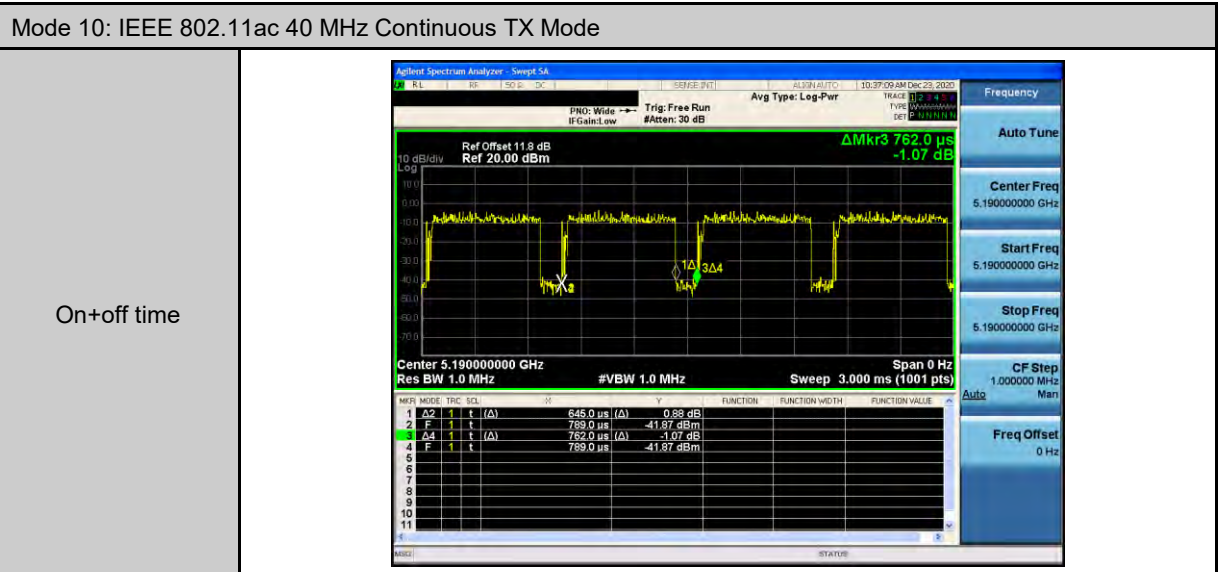
## Mode 3: IEEE 802.11g Continuous TX Mode

On+off time









## 2.6 量測不確定度

下列量測不確定水準是參照量測儀器 CISPR 16-4-2 所規定之不確定度。

| Test Item              | Frequency Range       | Uncertainty          |
|------------------------|-----------------------|----------------------|
| Conducted Emission     | 150 kHz ~ 30 MHz      | 2.7 dB               |
| Radiated Emission      | 9 kHz ~ 30 MHz        | 2.2 dB               |
|                        | 30 MHz ~ 1000 MHz     | 5.1 dB               |
|                        | 1000 MHz ~ 18000 MHz  | 5.1 dB               |
|                        | 18000 MHz ~ 26500 MHz | 4.4 dB               |
|                        | 26500 MHz ~ 40000 MHz | 4.6 dB               |
| Conducted Output Power |                       | 1.1 dB               |
| RF Bandwidth           |                       | 4.7 %                |
| Power Spectral Density |                       | 1.1 dB               |
| Frequency Stability    |                       | $1.3 \times 10^{-7}$ |
| Duty Cycle             |                       | 1.1 %                |
| Time Occupancy         |                       | 1.5 %                |

## 2.7 試驗環境

產品測試時之實驗室環境條件如下：

| 項 目                 | 測 試 項 目 | 需 求     | 實 際     |
|---------------------|---------|---------|---------|
| 溫度 Temperature (°C) | LP0002  | 10 - 40 | 20 - 30 |
| 濕度 Humidity (%RH)   |         | 10 - 90 | 45 - 75 |

### 3. 測試項目與結果判定總表

本測試報告之所有項目皆依據 NCC 低功率射頻器材技術規範(LP0002)之檢驗法。

2.4 GHz 頻段適用下列表格

| 項次 | 測試項目       | 適用規範                                  | 測試結果        | 量測設備      | 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                     | Annex A.    | 請參閱 2.1 節 | 符合   |
| 2  | 場強輻射       | 低功率射頻器材技術規範<br>3.5 節、3.6 節、4.10.1.5 節 | Annex B.    | 請參閱 2.1 節 | 符合   |
| 3  | 頻帶邊緣外之輻射發射 | 低功率射頻器材技術規範<br>4.10.1.5 節             | Annex B.    | 請參閱 2.1 節 | 符合   |
| 4  | 最大傳導輸出功率   | 低功率射頻器材技術規範<br>4.10.1.2(1)(C)節        | Annex C.    | 請參閱 2.1 節 | 符合   |
| 5  | 天線規格       | 低功率射頻器材技術規範<br>4.10.1.3(3)、4.10.1.4 節 | 請參閱 4.2.3 節 | -----     | 符合   |
| 6  | 非必要頻帶      | 低功率射頻器材技術規範<br>4.10.1.5(1)節           | Annex C.    | 請參閱 2.1 節 | 符合   |
| 7  | 6 dB 頻寬    | 低功率射頻器材技術規範<br>4.10.1.6(2)(A)節        | Annex C.    | 請參閱 2.1 節 | 符合   |
| 8  | 峰值發射電功率密度  | 低功率射頻器材技術規範<br>4.10.1.6(2)(B)節        | Annex C.    | 請參閱 2.1 節 | 符合   |
| 9  | 電波暴露量之評估   | 低功率射頻器材技術規範<br>6.20.2 節               | Annex E.    | 請參閱 2.1 節 | 符合   |

5 GHz U-NII 頻段適用下列表格

| 項次 | 測試項目                     | 適用規範                      | 測試結果         | 量測設備      | 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         | Annex A.     | 請參閱 2.1 節 | 符合   |
| 2  | 場強輻射                     | 低功率射頻器材技術規範 3.5 節、3.6 節   | Annex D.     | 請參閱 2.1 節 | 符合   |
| 3  | 頻帶邊緣外之輻射發射               | 低功率射頻器材技術規範 3.6 節、5.7.4 節 | Annex D.     | 請參閱 2.1 節 | 符合   |
| 4  | 非必要頻帶                    | 低功率射頻器材技術規範 5.7.4 節       | Annex E.     | 請參閱 2.1 節 | 符合   |
| 5  | 最大傳導輸出功率                 | 低功率射頻器材技術規範 5.7.3 節       | Annex E.     | 請參閱 2.1 節 | 符合   |
| 6  | 最大傳導功率頻譜密度               | 低功率射頻器材技術規範 5.7.3 節       | Annex E.     | 請參閱 2.1 節 | 符合   |
| 7  | 26 dB 頻寬之要求              | N/A                       | Annex E.     | 請參閱 2.1 節 | ---- |
| 8  | 6 dB 頻寬之要求               | 低功率射頻器材技術規範 5.7.5 節       | Annex E.     | 請參閱 2.1 節 | 符合   |
| 9  | 發射功率控制(TPC)              | 低功率射頻器材技術規範 5.7.7.1 節     | Annex E.     | 請參閱 2.1 節 | 符合   |
| 10 | 動態頻率選擇(DFS)<br>雷達偵測功能    | 低功率射頻器材技術規範 5.7.7.2 節     | Annex E.     | 請參閱 2.1 節 | 不適用  |
| 11 | 動態頻率選擇(DFS)<br>頻道可用性檢查時間 | 低功率射頻器材技術規範 5.7.7.2(3)節   | Annex E.     | 請參閱 2.1 節 | 不適用  |
| 12 | 動態頻率選擇(DFS)<br>頻道移動時間    | 低功率射頻器材技術規範 5.7.7.2(4)節   | Annex E.     | 請參閱 2.1 節 | 符合   |
| 13 | 動態頻率選擇(DFS)<br>不可佔用時間    | 低功率射頻器材技術規範 5.7.7.2(5)節   | Annex E.     | 請參閱 2.1 節 | 符合   |
| 14 | 天線規格                     | 低功率射頻器材技術規範 5.7.8 節       | 請參閱 4.3.11 節 | -----     | 符合   |
| 15 | 電波暴露量之評估                 | 低功率射頻器材技術規範 6.20.2 節      | Annex E.     | 請參閱 2.1 節 | 符合   |

## Decision Rule

☒ Uncertainty is not included.

☐ Uncertainty is included.

## 4. 測試項目表列

### 4.1 電源線傳導干擾之量測

#### 合格標準：

依據 NCC 低功率射頻器材技術規範(LP0002)之 3.3 節，以市電為電源之低功率射頻器材，其傳導回電源線上頻率自 150 kHz 至 30 MHz 之射頻電壓（在電源端子每一電源線對接地點）不得超過下表所列之限值。測量時應經過 50  $\Omega$ /50  $\mu$ H 之電源線阻抗模擬網路 (LISN)。頻率重疊處，以較低限值為準。

| Frequency<br>(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。

#### 測試方法：

測試場地為標準傳導測試場地。將待測物置於 0.8 米高的非金屬桌面，使其在工作狀態，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 0.15 MHz 至 30 MHz 之間之電源線傳導放射強度。

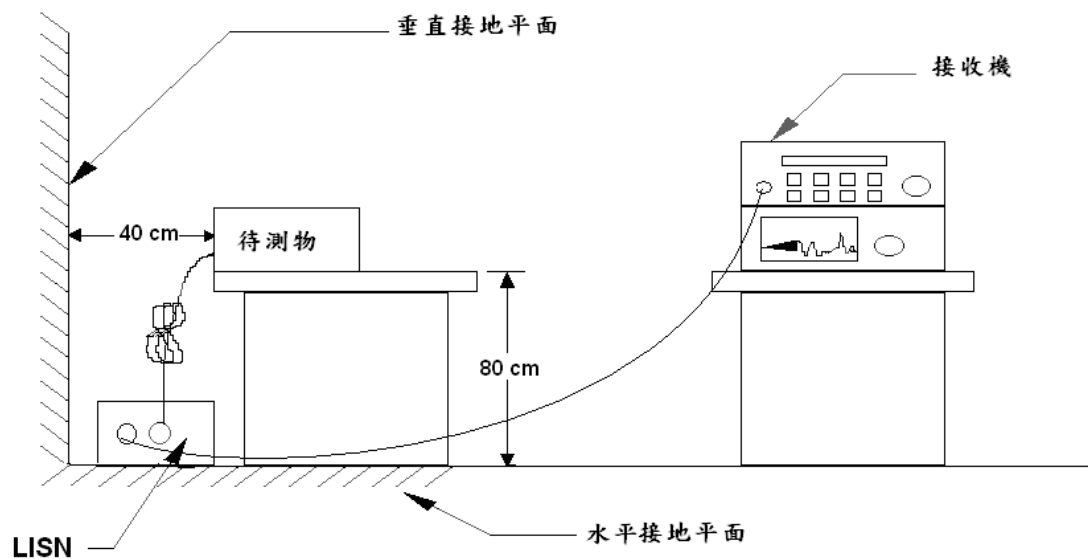
#### 干擾值之計算

電源傳導干擾電壓之計算公式如下

結果值 = 儀器讀值(QP/AV) + 校正因子

其中校正因子為：饋線損失 + 電源阻抗模擬網路損失

#### 測試架構圖：



## 4.2 2.4 GHz 檢驗項目

### 4.2.1 場強輻射之量測

#### 合格標準:

依據 NCC 低功率射頻器材技術規範(LP0002)之使用頻帶範圍外之任意 100 千赫 (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 千赫(kHz)內的射頻功率，至少須衰減 20 dB，以射頻傳導或輻射方式測量。如發射機以依據 NCC 低功率射頻器材技術規範(LP0002)之 4.10.1.2(1)(C)之峰值傳導輸出功率量測方式者，至少須衰減 30 dB。此外，落於第 3.5 節禁用頻段之輻射發射，應符合第 3.6 節之規定。

依據 NCC 低功率射頻器材技術規範第 3.5 節之規定,禁用頻段如下：

| 頻率(MHz)       | 頻率(MHz)       | 頻率(MHz)       | 頻率(MHz)       |
|---------------|---------------|---------------|---------------|
| 0.090~0.110   | 108.00~138.00 | 1660.0~1785.0 | 8025.0~8500.0 |
| 0.490~0.510   | 149.90~150.05 | 1805.0~1888.0 | 9000.0~9200.0 |
| 2.172~2.198   | 156.70~156.90 | 1885.0~1900.0 | 9300.0~9500.0 |
| 3.013~3.033   | 162.01~167.17 | 1905.0~1985.0 | 10600~12700   |
| 4.115~4.198   | 167.72~173.20 | 2010.0~2025.0 | 13250~13400   |
| 5.670~5.690   | 240.00~285.00 | 2110.0~2170.0 | 14470~14500   |
| 6.200~6.300   | 322.00~335.40 | 2200.0~2300.0 | 15350~16200   |
| 8.230~8.400   | 399.90~410.00 | 2310.0~2390.0 | 17700~21400   |
| 12.265~12.600 | 485.00~510.00 | 2483.5~2900.0 | 22010~23120   |
| 13.340~13.430 | 608.00~614.00 | 3260.0~3267.0 | 23600~24000   |
| 14.965~15.020 | 703.00~748.00 | 3332.0~3339.0 | 31200~31800   |
| 16.700~16.755 | 758.00~803.00 | 3345.8~3358.0 | 36430~36500   |
| 19.965~20.020 | 825.00~915.00 | 3500.0~4400.0 | 38600 以上      |
| 25.500~25.700 | 930.00~1240.0 | 4500.0~5250.0 |               |
| 37.475~38.275 | 1300.0~1427.0 | 5350.0~5460.0 |               |
| 73.500~75.400 | 1435.0~1626.5 | 7250.0~7750.0 |               |

依據 NCC 低功率射頻器材技術規範第 3.6 節之規定,除本規範各章節另有放寬規定者外,其電場強度不得超過下表之限值,且其不必要之發射皆不得大於主波發射強度。各頻段重疊處,以較嚴格之限制值為準。

| 頻 率 ( MHz )                | 電場強度 ( $\mu$ V/m ) | 測距 ( m ) |
|----------------------------|--------------------|----------|
| 0.009 - 0.490 ( 含 )        | 2,400 / 頻率 ( 千赫 )  | 300      |
| 0.490 ( 不含 ) - 1.705 ( 含 ) | 24,000 / 頻率 ( 千赫 ) | 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        |

#### 測試方法：

測試場地為開放測試場,將待測物置於 0.8 米高的非金屬桌面,使其在工作狀態,接收天線置於 3 米外相同的高度。待測物分別要垂直或水平放置,而且桌面要 360 度旋轉,另外接收天線也要從 1.0 米至 4.0 米升降變化,以找出最大的輻射電場強度,接收天線置於水平、垂直極向各執行測試一次。

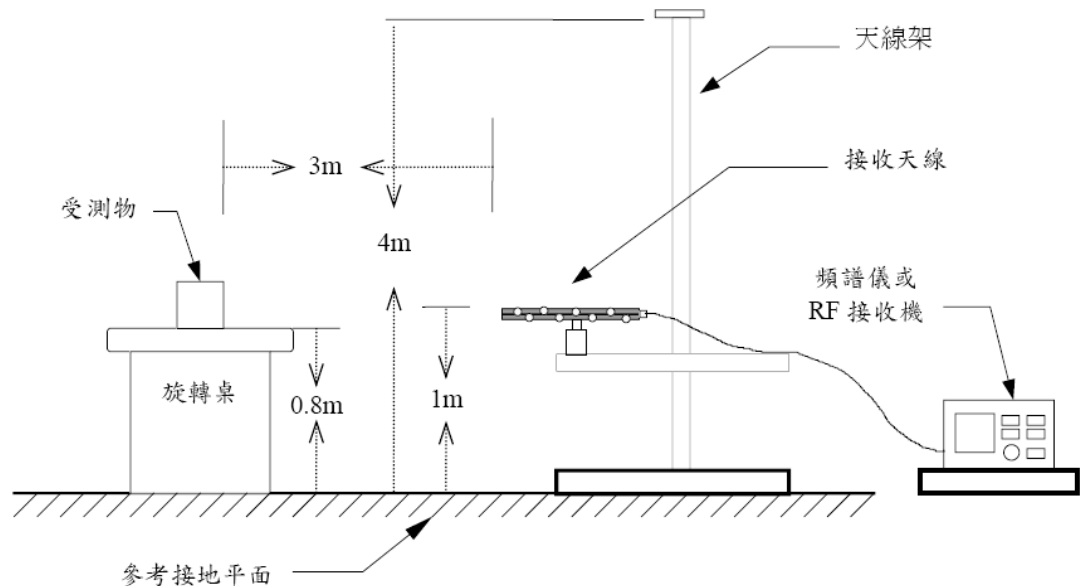
#### 場強度之計算

場強之計算公式為：結果值 = 讀值 + 校正因子

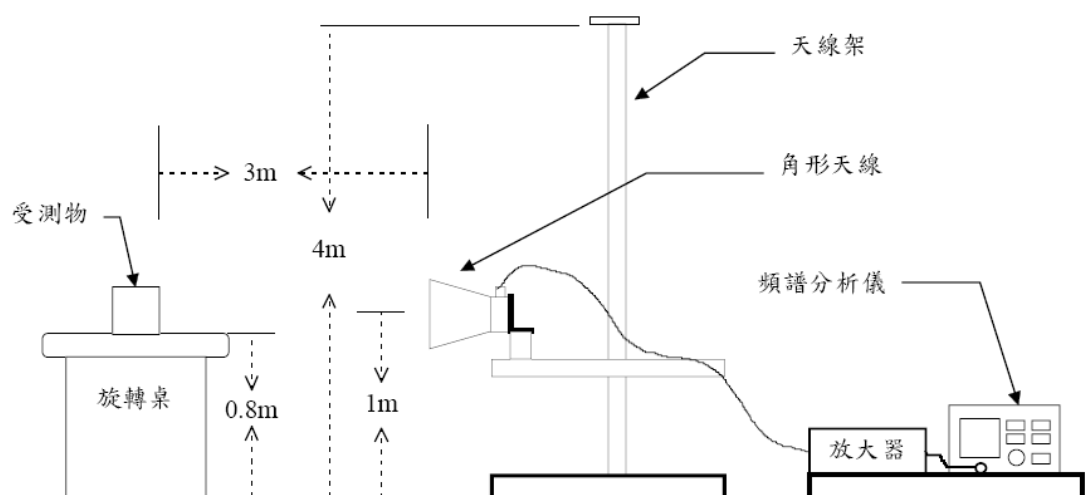
其中校正因子為：天線因子 + 饋線損失 + 濾波器損失（若有使用） - 放大器增益（若有使用）

**測試架構圖：**

量測頻率低於 1 GHz 以下之測試配置



量測頻率高於 1 GHz 以上之測試配置



#### 4.2.2 最大傳導輸出功率之量測

**合格標準：**

依據 NCC 低功率射頻器材技術規範(LP0002)之 4.10.1.2(1)(C)節之要求，操作於 2400-2483.5 兆赫(MHz)數位調變技術系統：1 瓦(W)(含)以下

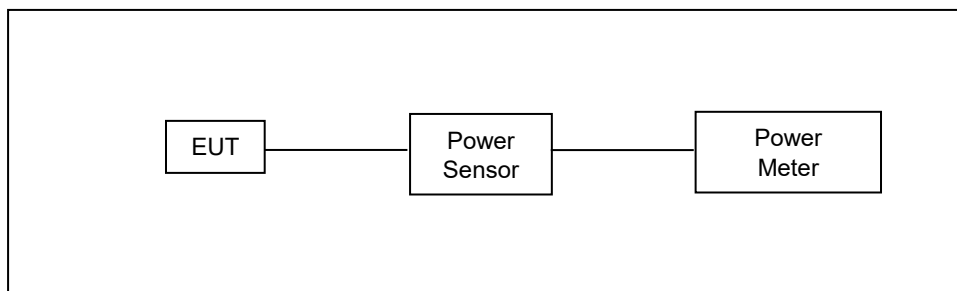
Diversity mode：

Max. Gain = ANT-0：1 dBi < 6 dBi

CDD mode：

Directional =  $G_{ANT} = 10 \cdot \log\{[10^{(G1/10)} + 10^{(G2/10)} + \dots + 10^{(Gn/10)}] / N_{ANT}\} = 1 \text{ dBi} < 6 \text{ dBi}$

**測試架構圖：**



#### 4.2.3 天線規格之要求

**合格標準：**

依據 NCC 低功率射頻器材技術規範(LP0002)之 4.10.1.3(3)節之要求，除 4.10.1.3(1)及 4.10.1.3(2)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。

依據 NCC 低功率射頻器材技術規範(LP0002)之 4.10.1.4 節之要求，天線之規格不受第 3.2 節規定之限制

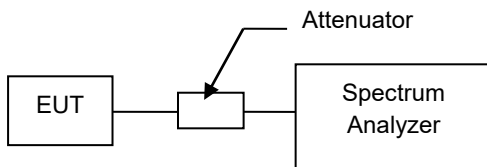
**判定結果：**符合。

#### 4.2.4 非必要頻帶之量測

**合格標準：**

發射限制： 使用頻帶範圍外之任意 100 千赫 (kHz)內，發射器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 千赫 (kHz)內的射頻功率，須衰減 30 分貝(dB)，以射頻傳導或輻射方式測量。

**測試架構圖：**



附註 1: 於使用頻帶範圍之任意 100 千赫 (kHz)內，發射器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 千赫 (kHz)內的射頻功率，衰減 30 分貝(dB)以上，符合規定。

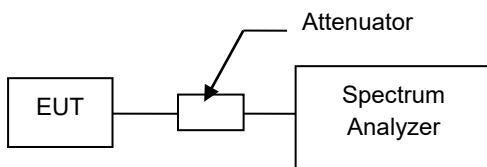
附註 2: 測試結果頻帶外之輻射雜訊皆小於主頻 TX 30 dB。

#### 4.2.5 6 dB頻寬之要求

**合格標準：**

依據 NCC 低功率射頻器材技術規範 4.10.1.6(2)(A)節之要求，對使用數位調變技術(Digital Modulation Techniques)系統而言， 6 dB 頻寬至少應有 500 千赫( kHz)。

**測試架構圖：**



#### 4.2.6 峰值發射電功率密度之要求

**合格標準：**

依據 NCC 低功率射頻器材技術規範(LP0002)之 4.10.1.6(2)(B)節之要求，數位調變技術(Digital Modulation Techniques)系統之功率密度,再使用頻率範圍之任意 3 kHz 頻寬內,由發射機傳導至天線之峰值發射電功率密度在任意期間內,皆不得大於 8 dBm(複合系統時，關閉跳頻作業狀態檢驗)。

Diversity mode :

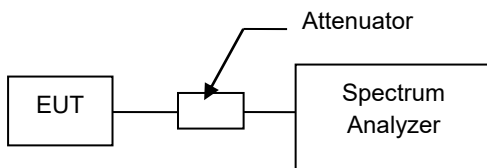
Max. Gain = ANT-0 : 1 dBi < 6 dBi

CDD mode :

Directional Gain =  $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / N_{ANT}\} = 4.01 \text{ dBi} < 6 \text{ dBi}$

**測試架構圖：**

測試場地測試配置如圖所示。



#### 4.2.7 電波暴露量之評估

##### 合格標準:

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：

##### 6.20.2.1 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：MHz。

##### 6.20.2.2 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) |
|---------------|---------------|---------------|-------------------------------|-------------------|
| 0.3~1.34      | 614           | 1.63          | *100                          | 30                |
| 1.34~30       | 824/f         | 2.19/f        | *180/f <sup>2</sup>           | 30                |
| 30~300        | 27.5          | 0.073         | 0.2                           | 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：MHz。

### 4.3 5 GHz U-NII 檢驗項目

#### 4.3.1 場強輻射與非必要頻帶之量測

##### 場強輻射合格標準：

依據 NCC 低功率射頻器材技術規範(LP0002)之落於第 3.5 節禁用頻段之輻射發射，應符合第 3.6 節之規定。

依據 NCC 低功率射頻器材技術規範第 3.5 節之規定,禁用頻段如下：

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

依據 NCC 低功率射頻器材技術規範第 3.6 節之規定,除本規範各章節另有放寬規定者外，其電場強度不得超過下表之限值，且其不必要之發射皆不得大於主波發射強度。各頻段重疊處，以較嚴格之限制值為準。

| 頻 率 ( MHz )            | 電場強度 ( $\mu$ V/m ) | 測距(m) |
|------------------------|--------------------|-------|
| 0.009 - 0.490(含)       | 2,400/頻率(千赫)       | 300   |
| 0.490 (不含) – 1.705 (含) | 24,000/頻率(千赫)      | 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     |

#### 非必要頻帶合格標準:

依據 NCC 低功率射頻器材技術規範(LP0002)之 5.7.4 節之要:

不必要發射之限值：在操作頻帶外的峰值發射應衰減至符合下列限值：

1. 在 5.15 GHz~5.35 GHz 及 5.470 GHz~5.725 GHz 頻帶操作的發射器：帶外發射之有效等向輻射功率(EIRP)  $\leq$  -27 dBm/MHz。
2. 在 5.725 GHz~5.850 GHz 的頻帶操作之發射器：所有頻帶邊緣的頻率發射，其有效等向輻射功率(EIRP)  $\leq$  27 dBm/MHz；所有頻帶邊緣向外 5 MHz 內頻率之發射從有效等向輻射功率(EIRP)  $\leq$  27 dBm/MHz 線性減少至有效等向輻射功率(EIRP)  $\leq$  15.6 dBm/MHz；所有頻帶邊緣向外 25 MHz 內頻率之發射從有效等向輻射功率(EIRP)  $\leq$  15.6 dBm/MHz 線性減少至有效等向輻射功率(EIRP)  $\leq$  10 dBm/MHz；所有頻帶邊緣向外 75 MHz 內頻率之發射從有效等向輻射功率(EIRP)  $\leq$  10 dBm/MHz 線性減少至有效等向輻射功率(EIRP)  $\leq$  -27 dBm/MHz；所有頻帶邊緣向外 75 MHz 頻率之發射的有效等向輻射功率(EIRP)  $\leq$  -27 dBm/MHz。
3. 量測不必要發射時，應使用之最低解析頻寬為 1 MHz。必要時，於頻帶邊緣附近可使用小於 1 MHz 之解析頻寬，並以補償方式計算其總值。
4. 當測量不必要發射之限值時，應將待測物的載波頻率調整到儘可能接近設備設計所允許的上、下頻帶邊緣。
5. 在 1 GHz 以下的不必要之發射，應符合第 3.6 條之規定，任何使用市電為供應電源之設備亦須符合 3.3 條之電源線傳導限值。
6. 不必要發射頻率屬第 3.5 條規定頻帶者，應符合第 3.6 條之規定。

#### 測試方法：

測試場地為開放測試場，將待測物置於 0.8 米高的非金屬桌面，使其在工作狀態，接收天線置於 3 米外相同的高度。待測物分別要垂直或水平放置，而且桌面要 360 度旋轉，另外接收天線也要從 1.0 米至 4.0 米升降變化，以找出最大的輻射電場強度，接收天線置於水平、垂直極向各執行測試一次。

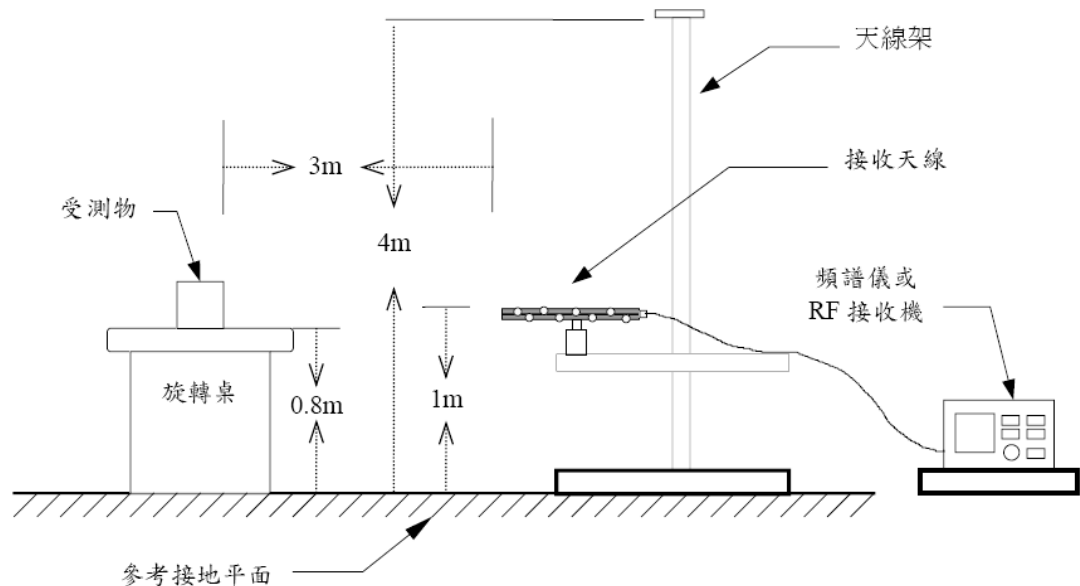
#### 場強度之計算

場強之計算公式為：結果值 = 讀值 + 校正因子

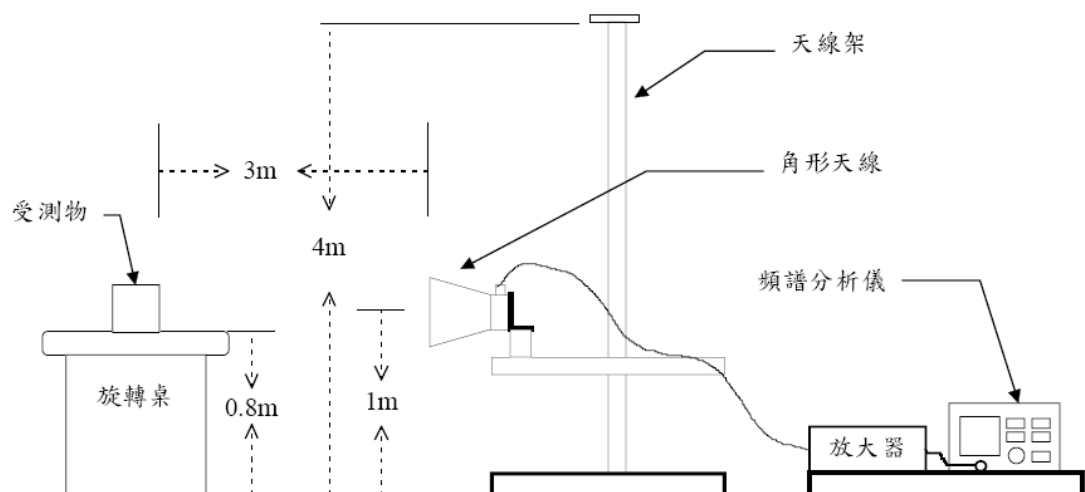
其中校正因子為：天線因子 + 饋線損失 + 濾波器損失（若有使用） - 放大器增益（若有使用）

**測試架構圖：**

量測頻率低於 1 GHz 以下之測試配置



量測頻率高於 1 GHz 以上之測試配置



### 4.3.2 最大傳導輸出功率之量測

#### 合格標準:

依據 NCC 低功率射頻器材技術規範(LP0002)之 5.7.3 節之要求:

#### 1. 5.15-5.25 GHz 頻帶

##### (1) 供戶外操作使用:

- 最大傳導輸出功率不能超過 1 W。
- 在任何 1 MHz 頻帶中最大功率頻譜密度不能超過 17 dBm。
- 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 不能超過 21 dBm。

##### (2) 供室內操作使用:

- 最大傳導輸出功率不能超過 1 W。
- 在任何 1MHz 頻帶中最大功率頻譜密度不能超過 17 dBm。
- 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

##### (3) 供固定式點對點操作使用:

- 最大傳導輸出功率不能超過 1 W。
- 在任何 1 MHz 頻帶中最大功率頻譜密度不能超過 17 dBm。
- 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。

##### (4) 供行動或可攜式裝置操作使用:

- 最大傳導輸出功率不能超過 250 mW。
- 在任何 1 MHz 頻帶中最大功率頻譜密度不能超過 11 dBm。
- 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。

#### 2. 5.25-5.35 GHz 與 5.470-5.725 GHz 頻帶

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

#### 3. 5.725-5.850 GHz 頻帶

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

4. 最大傳導輸出功率必須使用依據均方根等效電壓校準之儀器量測於任何連續傳輸之時段，量測結果須依儀器限制（如偵測器反應時間、相較於發射頻寬有限之解析頻寬能力，靈敏度等）調整得出正確之峰值量測，以符合本段落所提之發射定義。

CDD mode：

$$\text{Directional Gain} = G_{\text{ANT}} = 10 \cdot \log\{[10^{(G1/10)} + 10^{(G2/10)} + \dots + 10^{(Gn/10)}] / N_{\text{ANT}}\} = 2 \text{ dBi} < 6 \text{ dBi}$$

5260 – 5700 MHz limit 計算式：

IEEE 802.11a

$$* 250 \text{ mW}(24 \text{ dBm}) \text{ or } 11 + 10 \cdot \log B, B = 26 \text{ dB BW} = 11 + 10 \cdot \log(18.88) = 23.76 \text{ dBm} (5260 - 5320 \text{ MHz})$$

$$* 250 \text{ mW}(24 \text{ dBm}) \text{ or } 11 + 10 \cdot \log B, B = 26 \text{ dB BW} = 11 + 10 \cdot \log(18.77) = 23.73 \text{ dBm} (5500 - 5700 \text{ MHz})$$

IEEE 802.11n 20 MHz

$$* 250 \text{ mW}(24 \text{ dBm}) \text{ or } 11 + 10 \cdot \log B, B = 26 \text{ dB BW} = 11 + 10 \cdot \log(19.60) = 23.92 \text{ dBm} (5260 - 5320 \text{ MHz})$$

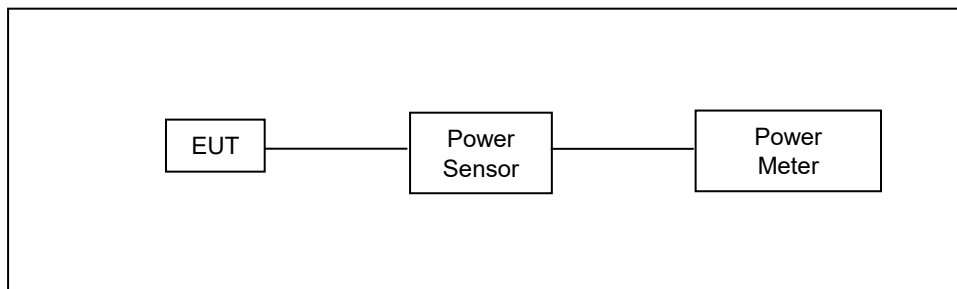
$$* 250 \text{ mW}(24 \text{ dBm}) \text{ or } 11 + 10 \cdot \log B, B = 26 \text{ dB BW} = 11 + 10 \cdot \log(19.53) = 23.91 \text{ dBm} (5500 - 5700 \text{ MHz})$$

IEEE 802.11ac 20 MHz

$$* 250 \text{ mW}(24 \text{ dBm}) \text{ or } 11 + 10 \cdot \log B, B = 26 \text{ dB BW} = 11 + 10 \cdot \log(19.84) = 23.98 \text{ dBm} (5260 - 5320 \text{ MHz})$$

$$* 250 \text{ mW}(24 \text{ dBm}) \text{ or } 11 + 10 \cdot \log B, B = 26 \text{ dB BW} = 11 + 10 \cdot \log(19.66) = 23.94 \text{ dBm} (5500 - 5700 \text{ MHz})$$

測試架構圖：



### 4.3.3 最大傳導功率頻譜密度之要求

#### 合格標準:

依據 NCC 低功率射頻器材技術規範(LP0002)之 5.7.3 節之要求:

#### 1. 5.15-5.25 GHz 頻帶

##### (1) 供戶外操作使用:

- 在任何 1 MHz 頻帶中最大功率頻譜密度不能超過 17 dBm。
- 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 不能超過 21 dBm。

##### (2) 供室內操作使用:

- 在任何 1 MHz 頻帶中最大功率頻譜密度不能超過 17 dBm。
- 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

##### (3) 供固定式點對點操作使用:

- 在任何 1 MHz 頻帶中最大功率頻譜密度不能超過 17 dBm。
- 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。

##### (4) 供行動或可攜式裝置操作使用:

- 在任何 1 MHz 頻帶中最大功率頻譜密度不能超過 11 dBm。
- 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。

#### 2. 5.25-5.35 GHz 與 5.470-5.725 GHz 頻帶

##### (1) 最大功率頻譜密度在任何 1 MHz 頻帶中不能超過 11 dBm。

##### (2) 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

#### 3. 5.725-5.850 GHz 頻帶

##### (1) 在任何 500 kHz 頻帶中最大功率頻譜密度不能超過 30 dBm。

##### (2) 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。

##### (3) 除(2)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。

#### 4. 最大功率頻譜密度量測規定:

##### (1) 應將量測儀器直接連接待測物，以傳導方式執行。

##### (2) 5.15 GHz~5.25 GHz、5.25 GHz~5.35 GHz 及 5.47 GHz~5.725 GHz 頻帶，量測儀器之頻寬應設定為 1 MHz 頻寬或待測物之 26 dB 發射頻寬，兩者取較小者。

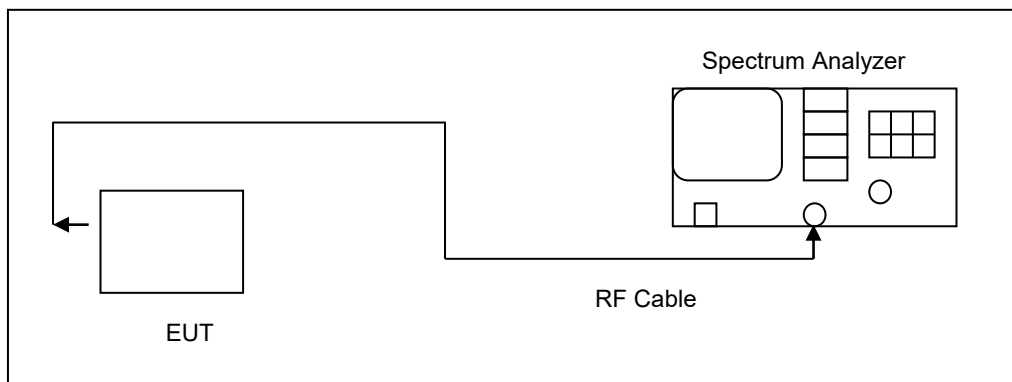
##### (3) 5.725 GHz~5.850 GHz 頻帶，量測器之頻寬應設定為 500 kHz 或待測物之 26 dB 發射頻寬，兩者取較小者。

##### (4) 解析頻寬小於(2)或(3)時，應以補償方式計算總功率頻譜密度。

CDD mode :

$$\text{Directional Gain} = 10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\} = 5.01 \text{ dBi} < 6 \text{ dBi}$$

測試架構圖：

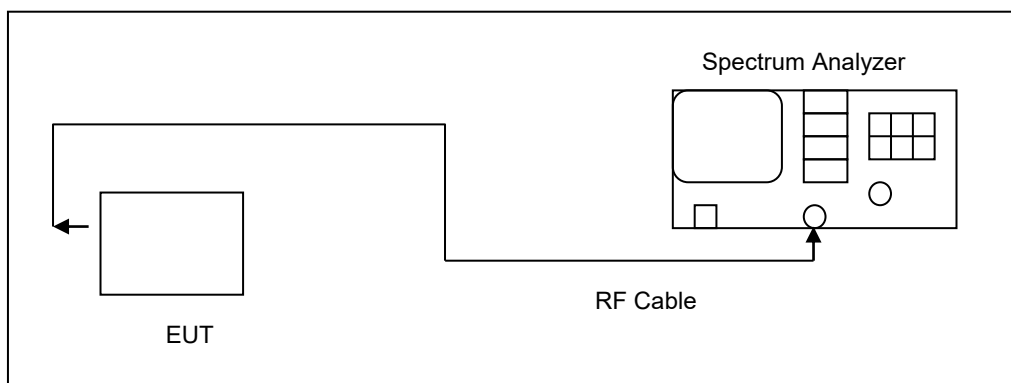


#### 4.3.4 26 dB頻寬之要求

合格標準:

N/A

測試架構圖：

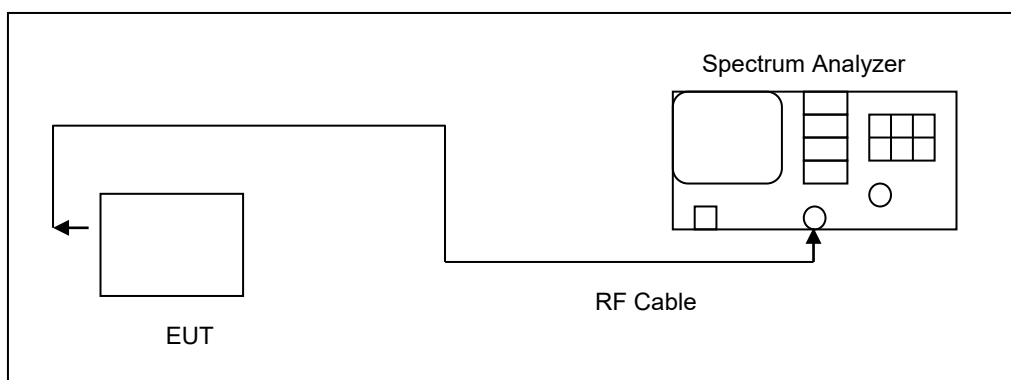


#### 4.3.5 6 dB頻寬之要求

合格標準:

在 5.725 GHz~5.850 GHz 頻帶操作之設備，其 6 dB 頻寬至少應有 500 kHz。

測試架構圖：

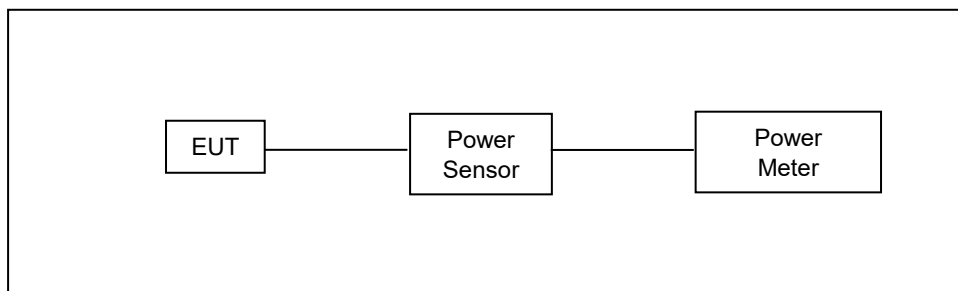


#### 4.3.6 發射功率控制(TPC)之量測

**合格標準：**

依據 NCC 低功率射頻器材技術規範(LP0002)5.7.7.1 節之要求，發射功率控制(TPC)操作於 5.25 GHz~5.35 GHz 與 5.470 GHz~5.725 GHz 頻帶的設備，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 值 30 dBm 的能力。EIRP 值低於 500 mW 之系統不須具備 TPC 功能。

**測試架構圖：**



#### 4.3.7 動態頻率選擇(DFS)之量測

##### 合格標準:

依據 NCC 低功率射頻器材技術規範(LP0002)5.7.7.2 節之要求, 操作於 5.25 GHz~5.35 GHz 與 5.470 GHz~5.725 GHz 頻帶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:

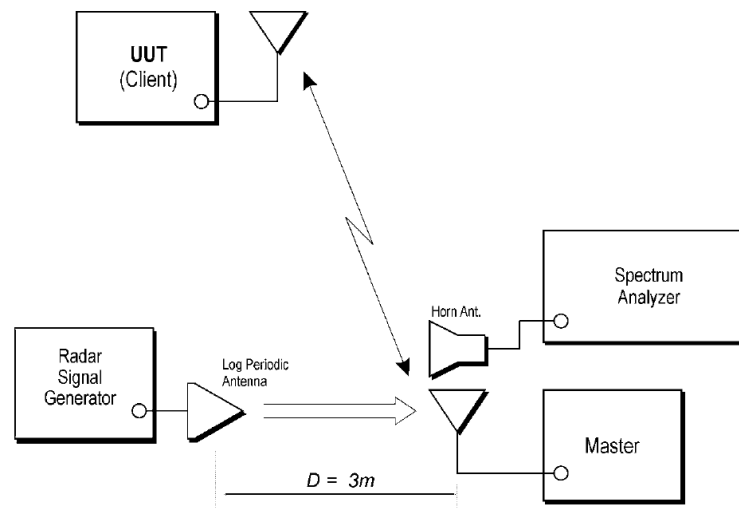
最低動態頻率選擇的偵測門檻

- 最大 EIRP 為 200 mW 至 1 W 之設備, 其最低動態頻率選擇的偵測門檻值為-64 dBm。
- 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。
- 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-64dBm。
- 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用戶手動選取。

操作模式: 動態頻率選擇之規定適用於以下之操作模式:

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

##### 測試架構圖:

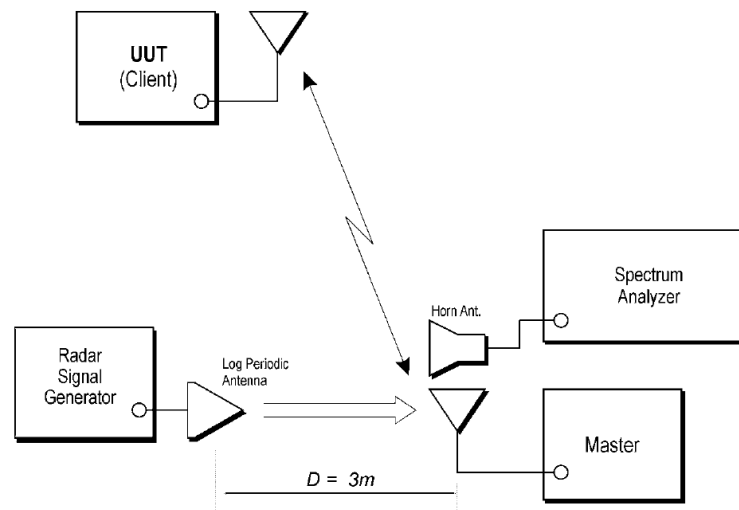


#### 4.3.8 頻道可用性檢查時間之量測

**合格標準：**

依據 NCC 低功率射頻器材技術規範(LP0002)之 5.7.7.2(3)節之要求，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信號時，設備才可開始使用該頻道。

**測試架構圖：**

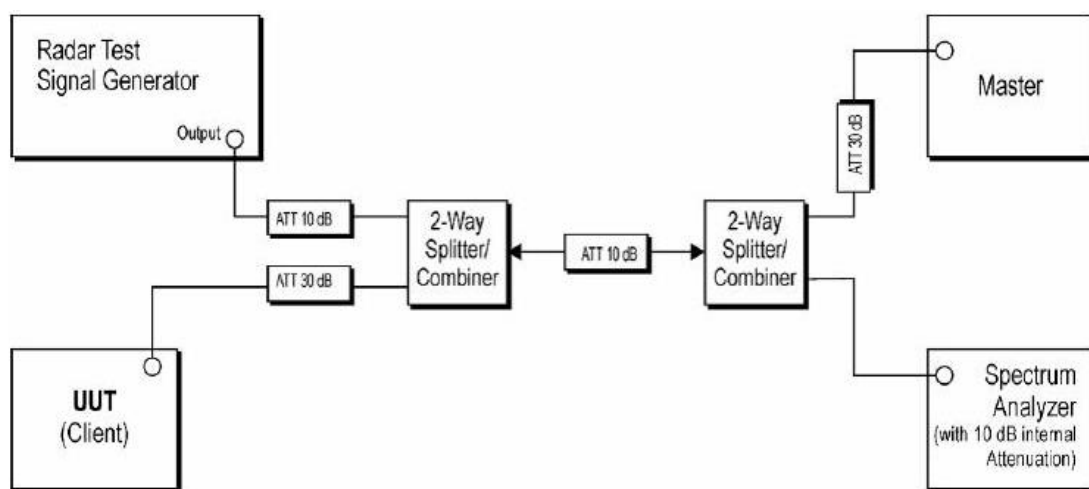


#### 4.3.9 頻道移動時間之量測

##### 合格標準:

依據 NCC 低功率射頻器材技術規範(LP0002)之 5.7.7.2(4)節之要求, 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, 在偵測到雷達信號後, 該期間內的傳輸應維持最多 200 毫秒的正常通訊。另外, 間  
歇性的管理與控制信號可在剩餘的時間中傳送, 以便撤離該操作頻道。

##### 測試架構圖：



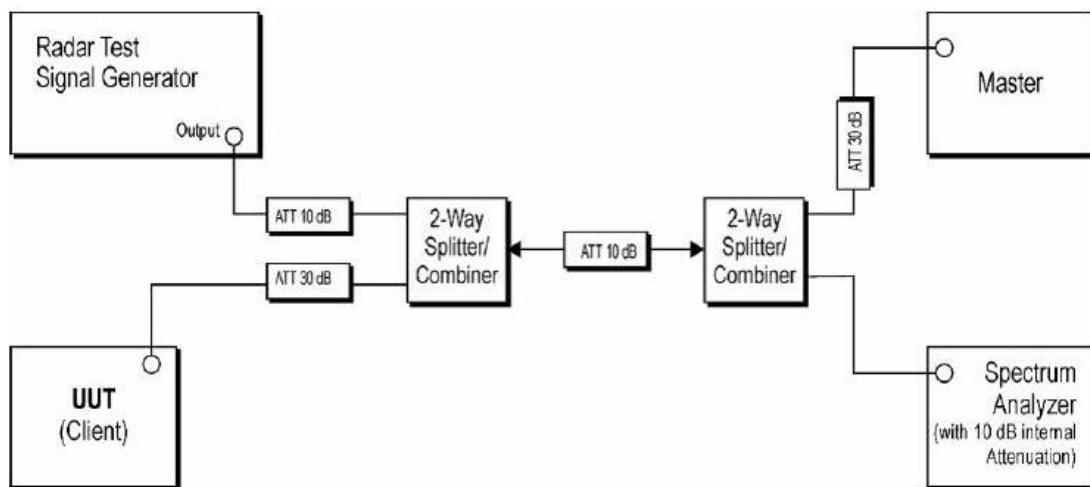
| Product |                      | Manufacturer | Model No. | ID               |
|---------|----------------------|--------------|-----------|------------------|
| 1.      | Netgear Access Point | Netgear      | R7800     | FCC : PY35100319 |

#### 4.3.10 不可佔用時間之量測

##### 合格標準：

依據 NCC 低功率射頻器材技術規範(LP0002)之 5.7.7.2(5)節之要求，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。

##### 測試架構圖：



#### 4.3.11 天線規格之要求

**合格標準：**

據 NCC 低功率射頻器材技術規範(LP0002)之 5.7.8 節之要求，天線之規格不受第 3.2 節規定之限制

**判定結果：**符合。

#### 4.3.12 電波暴露量之評估

**合格標準：**

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：

##### 6.20.2.1 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：MHz。

##### 6.20.2.2 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) |
|---------------|---------------|---------------|-------------------------------|-------------------|
| 0.3~1.34      | 614           | 1.63          | *100                          | 30                |
| 1.34~30       | 824/f         | 2.19/f        | *180/f <sup>2</sup>           | 30                |
| 30~300        | 27.5          | 0.073         | 0.2                           | 30                |
| 300~1,500     | -----         | -----         | f/1500                        | 30                |
| 1,500~100,000 | -----         | -----         | 1.0                           | 30                |

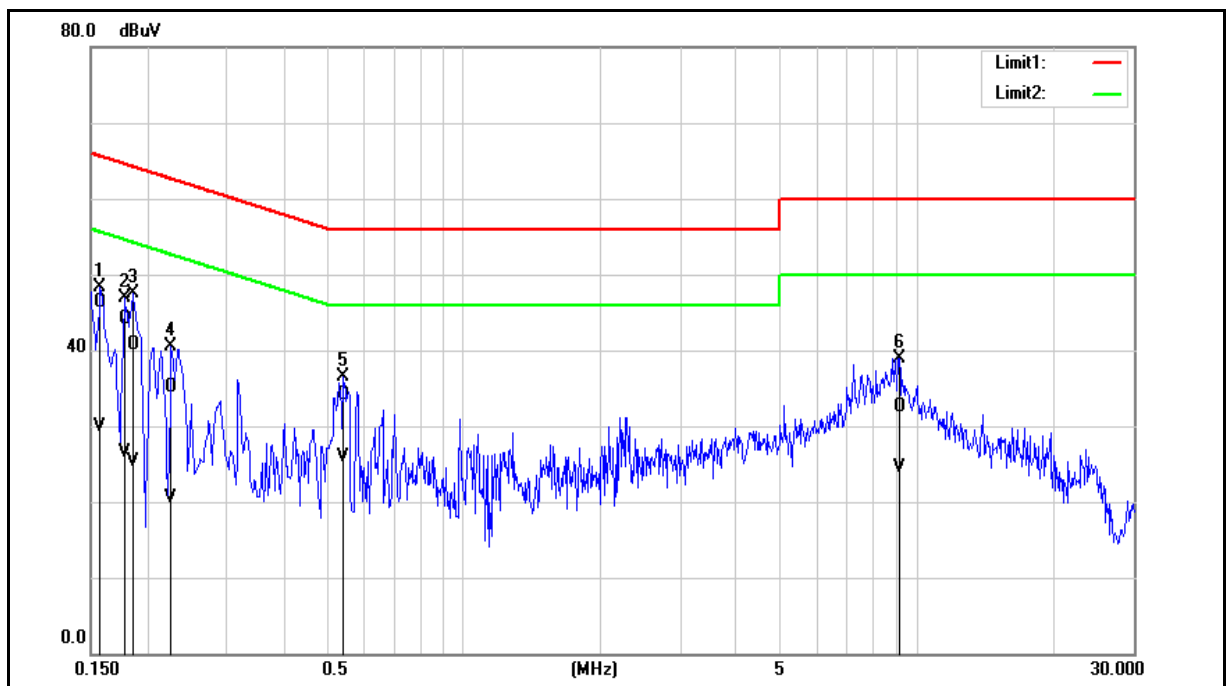
註 1：標記\*表平面波等效功率密度。

註 2：f 表測試頻率，單位：MHz。

## 5. Test Results

### Annex A. Conducted Emission

|              |                    |        |                |
|--------------|--------------------|--------|----------------|
| Standard:    | LP0002             | Line:  | L1             |
| Test item:   | Conducted Emission | Power: | AC 110 V/60 Hz |
| Mode:        | Mode 1             |        |                |
| Description: |                    |        |                |

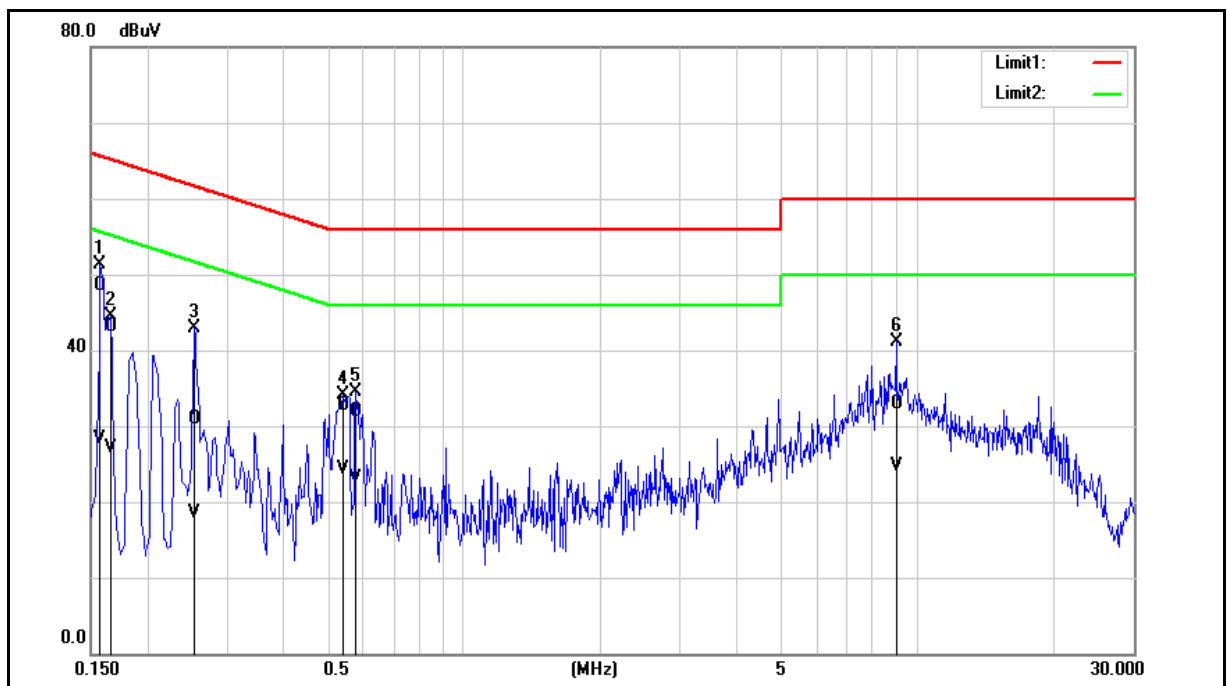


| No. | Frequency<br>(MHz) | QP<br>reading<br>(dBuV) | AVG<br>reading<br>(dBuV) | Correction<br>factor<br>(dB) | QP<br>result<br>(dBuV) | AVG<br>result<br>(dBuV) | QP<br>limit<br>(dBuV) | AVG<br>limit<br>(dBuV) | QP<br>margin<br>(dB) | AVG<br>margin<br>(dB) | Remark |
|-----|--------------------|-------------------------|--------------------------|------------------------------|------------------------|-------------------------|-----------------------|------------------------|----------------------|-----------------------|--------|
| 1   | 0.1580             | 36.58                   | 20.15                    | 9.70                         | 46.28                  | 29.85                   | 65.57                 | 55.57                  | -19.29               | -25.72                | Pass   |
| 2   | 0.1780             | 34.38                   | 16.80                    | 9.70                         | 44.08                  | 26.50                   | 64.58                 | 54.58                  | -20.50               | -28.08                | Pass   |
| 3   | 0.1860             | 31.01                   | 15.62                    | 9.70                         | 40.71                  | 25.32                   | 64.21                 | 54.21                  | -23.50               | -28.89                | Pass   |
| 4   | 0.2260             | 25.38                   | 10.74                    | 9.70                         | 35.08                  | 20.44                   | 62.60                 | 52.60                  | -27.52               | -32.16                | Pass   |
| 5   | 0.5420             | 24.33                   | 16.16                    | 9.71                         | 34.04                  | 25.87                   | 56.00                 | 46.00                  | -21.96               | -20.13                | Pass   |
| 6   | 9.1140             | 22.61                   | 14.72                    | 9.87                         | 32.48                  | 24.59                   | 60.00                 | 50.00                  | -27.52               | -25.41                | Pass   |

註：1. 干擾值(dBuV) = 校正係數(dB) + 讀值(dBuV)。

2. 校正係數(dB) = 量測信號線損失(dB) + 電源阻抗模擬網路係數(dB)。

|              |                    |        |                |
|--------------|--------------------|--------|----------------|
| Standard:    | LP0002             | Line:  | N              |
| Test item:   | Conducted Emission | Power: | AC 110 V/60 Hz |
| Mode:        | Mode 1             |        |                |
| Description: |                    |        |                |



| No. | Frequency (MHz) | QP reading (dBuV) | AVG reading (dBuV) | Correction factor (dB) | QP result (dBuV) | AVG result (dBuV) | QP limit (dBuV) | AVG limit (dBuV) | QP margin (dB) | AVG margin (dB) | Remark |
|-----|-----------------|-------------------|--------------------|------------------------|------------------|-------------------|-----------------|------------------|----------------|-----------------|--------|
| 1   | 0.1580          | 38.79             | 18.63              | 9.69                   | 48.48            | 28.32             | 65.57           | 55.57            | -17.09         | -27.25          | Pass   |
| 2   | 0.1660          | 33.48             | 17.45              | 9.69                   | 43.17            | 27.14             | 65.16           | 55.16            | -21.99         | -28.02          | Pass   |
| 3   | 0.2540          | 21.15             | 8.72               | 9.69                   | 30.84            | 18.41             | 61.63           | 51.63            | -30.79         | -33.22          | Pass   |
| 4   | 0.5420          | 23.06             | 14.70              | 9.70                   | 32.76            | 24.40             | 56.00           | 46.00            | -23.24         | -21.60          | Pass   |
| 5   | 0.5780          | 22.23             | 13.40              | 9.70                   | 31.93            | 23.10             | 56.00           | 46.00            | -24.07         | -22.90          | Pass   |
| 6   | 8.9940          | 23.02             | 14.82              | 9.87                   | 32.89            | 24.69             | 60.00           | 50.00            | -27.11         | -25.31          | Pass   |

註：1. 干擾值(dBuV) = 校正係數(dB) + 讀值(dBuV)。

2. 校正係數(dB) = 量測信號線損失(dB) + 電源阻抗模擬網路係數(dB)。

## Display Mode

Standard: LP0002

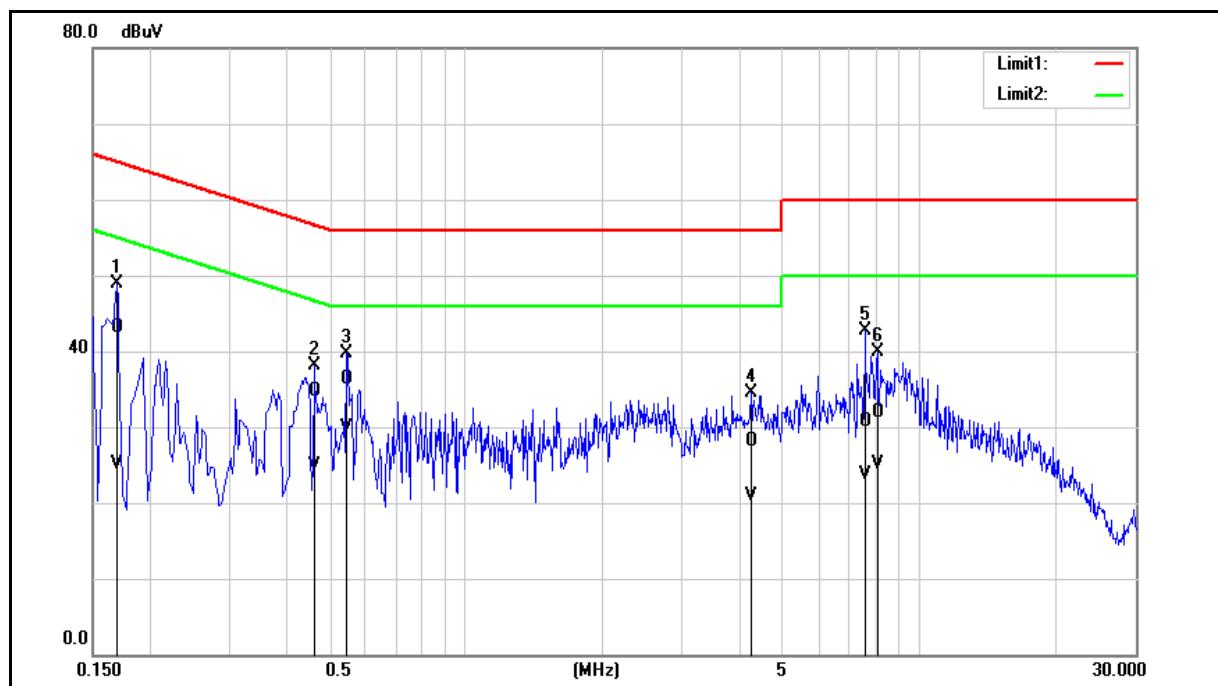
Line: L1

Test item: Conducted Emission

Power: AC 110 V/60 Hz

Mode: Mode 1

Description:

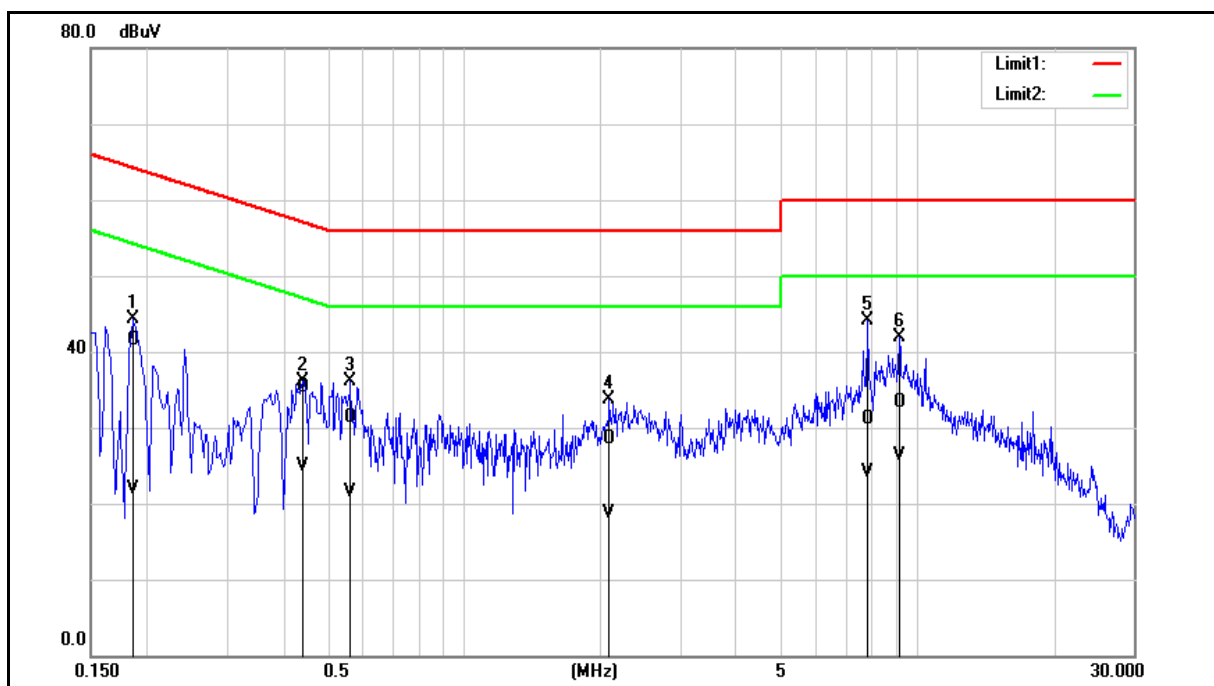


| No. | Frequency<br>(MHz) | QP<br>reading<br>(dBuV) | AVG<br>reading<br>(dBuV) | Correction<br>factor<br>(dB) | QP<br>result<br>(dBuV) | AVG<br>result<br>(dBuV) | QP<br>limit<br>(dBuV) | AVG<br>limit<br>(dBuV) | QP<br>margin<br>(dB) | AVG<br>margin<br>(dB) | Remark |
|-----|--------------------|-------------------------|--------------------------|------------------------------|------------------------|-------------------------|-----------------------|------------------------|----------------------|-----------------------|--------|
| 1   | 0.1700             | 33.31                   | 15.50                    | 9.70                         | 43.01                  | 25.20                   | 64.96                 | 54.96                  | -21.95               | -29.76                | Pass   |
| 2   | 0.4620             | 24.96                   | 15.19                    | 9.71                         | 34.67                  | 24.90                   | 56.66                 | 46.66                  | -21.99               | -21.76                | Pass   |
| 3   | 0.5460             | 26.56                   | 20.18                    | 9.71                         | 36.27                  | 29.89                   | 56.00                 | 46.00                  | -19.73               | -16.11                | Pass   |
| 4   | 4.2580             | 18.26                   | 11.06                    | 9.80                         | 28.06                  | 20.86                   | 56.00                 | 46.00                  | -27.94               | -25.14                | Pass   |
| 5   | 7.5860             | 20.87                   | 13.94                    | 9.85                         | 30.72                  | 23.79                   | 60.00                 | 50.00                  | -29.28               | -26.21                | Pass   |
| 6   | 8.0980             | 22.00                   | 15.23                    | 9.85                         | 31.85                  | 25.08                   | 60.00                 | 50.00                  | -28.15               | -24.92                | Pass   |

註：1. 干擾值(dBuV) = 校正係數(dB) + 讀值(dBuV)。

2. 校正係數(dB) = 量測信號線損失(dB) + 電源阻抗模擬網路係數(dB)。

|              |                    |        |                |
|--------------|--------------------|--------|----------------|
| Standard:    | LP0002             | Line:  | N              |
| Test item:   | Conducted Emission | Power: | AC 110 V/60 Hz |
| Mode:        | Mode 1             |        |                |
| Description: |                    |        |                |



| No. | Frequency<br>(MHz) | QP<br>reading<br>(dBuV) | AVG<br>reading<br>(dBuV) | Correction<br>factor<br>(dB) | QP<br>result<br>(dBuV) | AVG<br>result<br>(dBuV) | QP<br>limit<br>(dBuV) | AVG<br>limit<br>(dBuV) | QP<br>margin<br>(dB) | AVG<br>margin<br>(dB) | Remark |
|-----|--------------------|-------------------------|--------------------------|------------------------------|------------------------|-------------------------|-----------------------|------------------------|----------------------|-----------------------|--------|
| 1   | 0.1860             | 31.91                   | 12.25                    | 9.69                         | 41.60                  | 21.94                   | 64.21                 | 54.21                  | -22.61               | -32.27                | Pass   |
| 2   | 0.4420             | 25.55                   | 15.17                    | 9.70                         | 35.25                  | 24.87                   | 57.02                 | 47.02                  | -21.77               | -22.15                | Pass   |
| 3   | 0.5620             | 21.66                   | 11.86                    | 9.70                         | 31.36                  | 21.56                   | 56.00                 | 46.00                  | -24.64               | -24.44                | Pass   |
| 4   | 2.0900             | 18.68                   | 8.96                     | 9.75                         | 28.43                  | 18.71                   | 56.00                 | 46.00                  | -27.57               | -27.29                | Pass   |
| 5   | 7.7700             | 21.17                   | 14.19                    | 9.85                         | 31.02                  | 24.04                   | 60.00                 | 50.00                  | -28.98               | -25.96                | Pass   |
| 6   | 9.1500             | 23.37                   | 16.38                    | 9.87                         | 33.24                  | 26.25                   | 60.00                 | 50.00                  | -26.76               | -23.75                | Pass   |

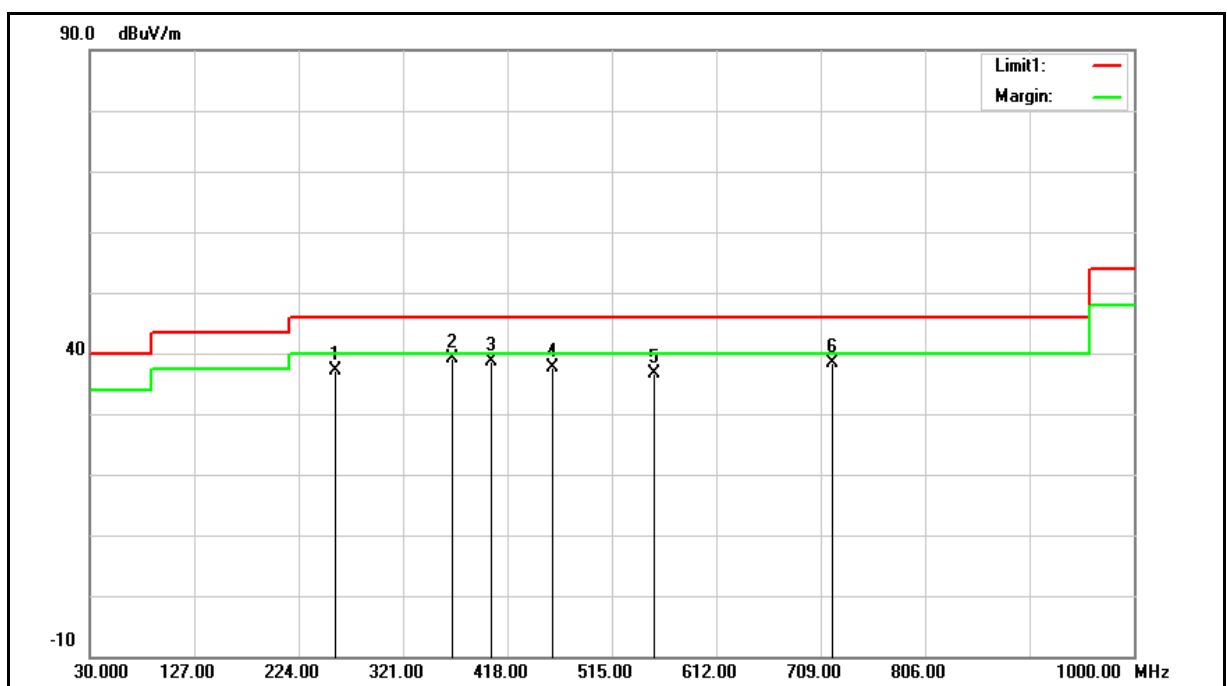
註：1. 干擾值(dBuV) = 校正係數(dB) + 讀值(dBuV)。

2. 校正係數(dB) = 量測信號線損失(dB) + 電源阻抗模擬網路係數(dB)。

## Annex B. Radiated Emission Measurement (2.4 GHz)

其它不必要之訊號 (1 GHz 以下)

|             |                   |                |     |
|-------------|-------------------|----------------|-----|
| Standard:   | LP0002            | Test Distance: | 3 m |
| Test item:  | Radiated Emission |                |     |
| Frequency:  | 2462 MHz          |                |     |
| Mode:       | Mode 3            |                |     |
| Ant.Polar.: | Horizontal        |                |     |



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 1   | 257.9500           | 62.26             | -25.24                      | 37.02              | 46.00             | -8.98          | QP     |
| 2   | 366.5900           | 61.24             | -22.08                      | 39.16              | 46.00             | -6.84          | QP     |
| 3   | 403.4500           | 59.82             | -21.24                      | 38.58              | 46.00             | -7.42          | QP     |
| 4   | 459.7100           | 57.74             | -20.07                      | 37.67              | 46.00             | -8.33          | QP     |
| 5   | 554.7700           | 54.94             | -18.27                      | 36.67              | 46.00             | -9.33          | QP     |
| 6   | 719.6700           | 54.08             | -15.71                      | 38.37              | 46.00             | -7.63          | QP     |

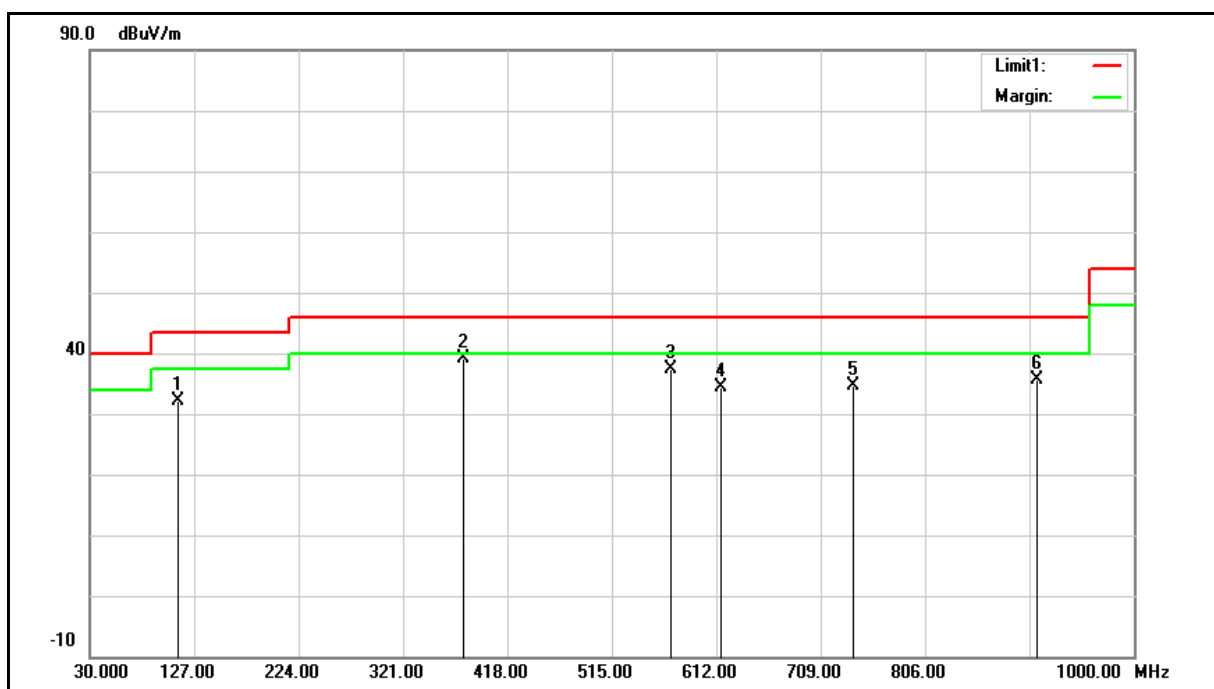
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example:  $37.02 = -25.24 + 62.26$

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |                   |                |     |
|-------------|-------------------|----------------|-----|
| Standard:   | LP0002            | Test Distance: | 3 m |
| Test item:  | Radiated Emission |                |     |
| Frequency:  | 2462 MHz          |                |     |
| Mode:       | Mode 3            |                |     |
| Ant.Polar.: | Vertical          |                |     |



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 1   | 112.4500           | 59.37             | -27.32                      | 32.05              | 43.50             | -11.45         | QP     |
| 2   | 377.2600           | 60.88             | -21.83                      | 39.05              | 46.00             | -6.95          | QP     |
| 3   | 570.2900           | 55.19             | -17.86                      | 37.33              | 46.00             | -8.67          | QP     |
| 4   | 616.8500           | 51.44             | -16.96                      | 34.48              | 46.00             | -11.52         | QP     |
| 5   | 739.0700           | 50.12             | -15.40                      | 34.72              | 46.00             | -11.28         | QP     |
| 6   | 909.7900           | 48.52             | -13.00                      | 35.52              | 46.00             | -10.48         | QP     |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

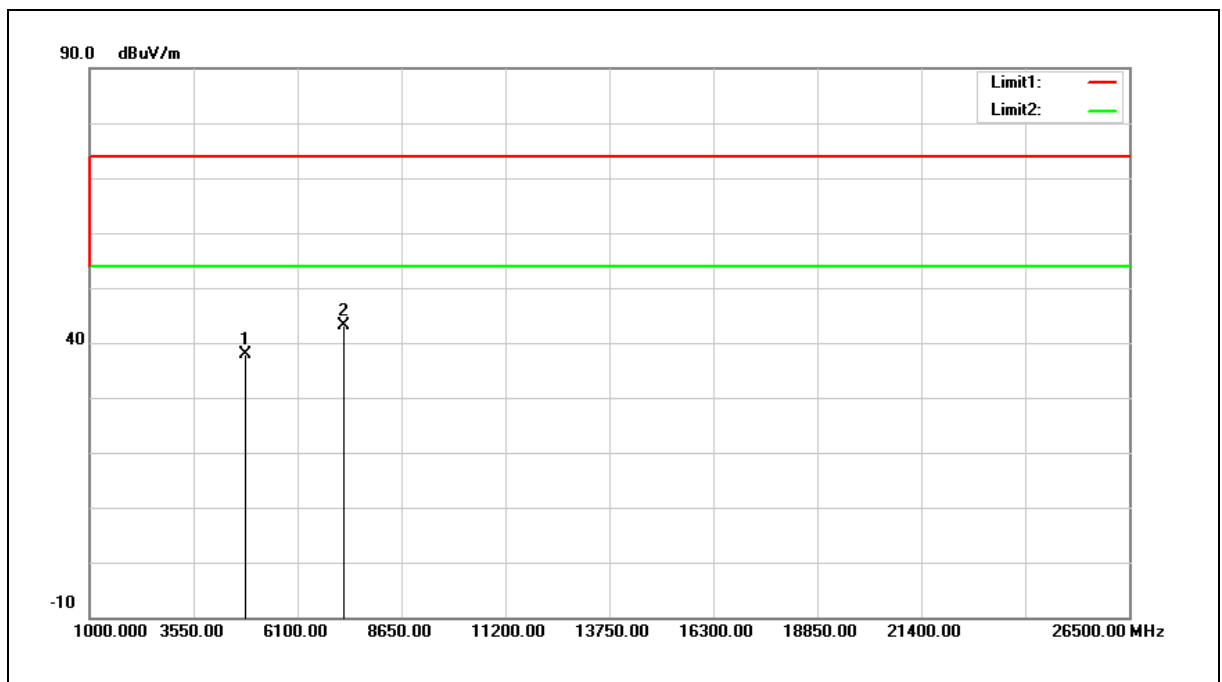
Example:  $32.05 = -27.32 + 59.37$

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

場強輻射量測 (1 GHz 以上)

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Harmonic   |                |     |
| Frequency:  | 2412 MHz   |                |     |
| Mode:       | Mode 2     |                |     |
| Ant.Polar.: | Horizontal |                |     |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 4824.000        | 39.01          | -1.25                 | 37.76           | 74.00          | -36.24      | peak   |
| 2   | 7236.000        | 37.25          | 5.85                  | 43.10           | 74.00          | -30.90      | peak   |

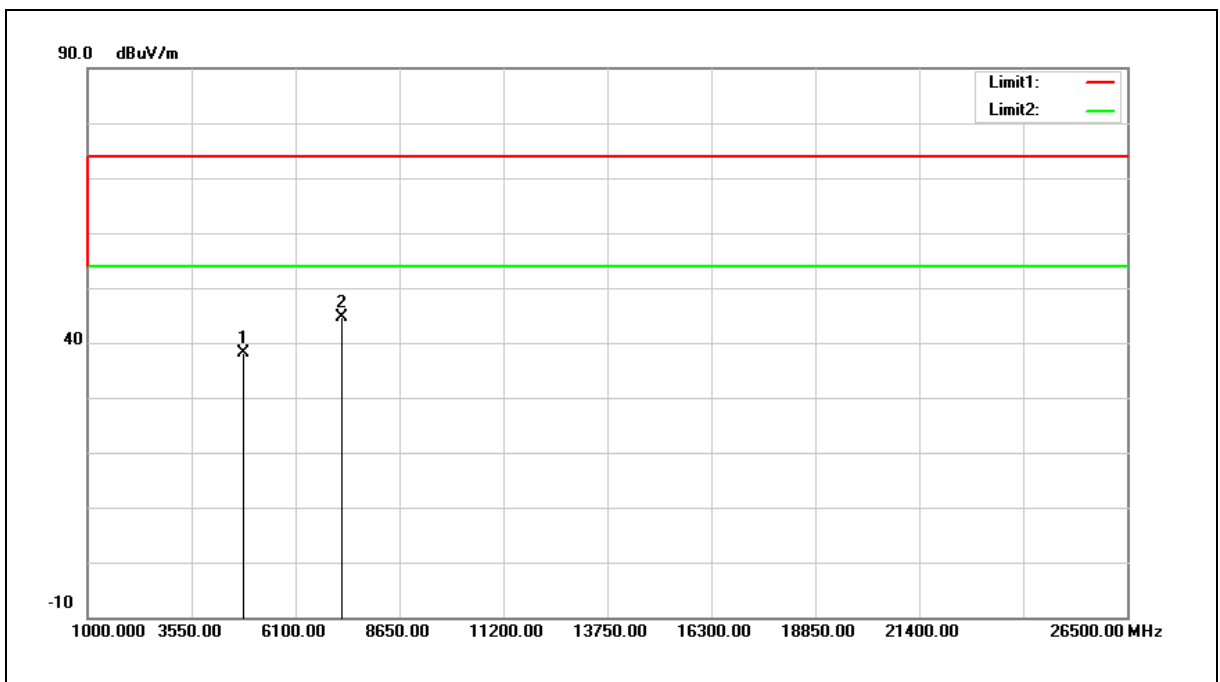
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

Example:  $37.76 = -1.25 + 39.01$

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |          |                |     |
|-------------|----------|----------------|-----|
| Standard:   | LP0002   | Test Distance: | 3 m |
| Test item:  | Harmonic |                |     |
| Frequency:  | 2412 MHz |                |     |
| Mode:       | Mode 2   |                |     |
| Ant.Polar.: | Vertical |                |     |



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4824.000           | 39.34             | -1.25                    | 38.09              | 74.00             | -35.91         | peak   |
| 2   | 7236.000           | 38.77             | 5.85                     | 44.62              | 74.00             | -29.38         | peak   |

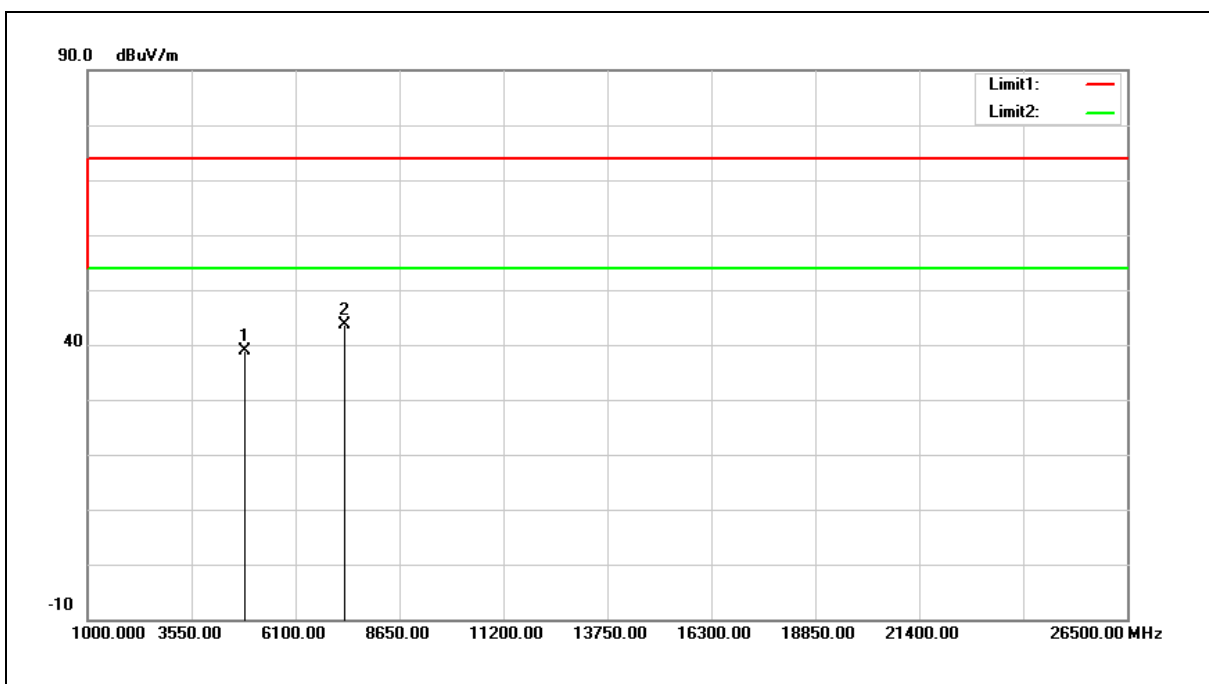
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

Example:  $38.09 = -1.25 + 39.34$

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Harmonic   |                |     |
| Frequency:  | 2437 MHz   |                |     |
| Mode:       | Mode 2     |                |     |
| Ant.Polar.: | Horizontal |                |     |



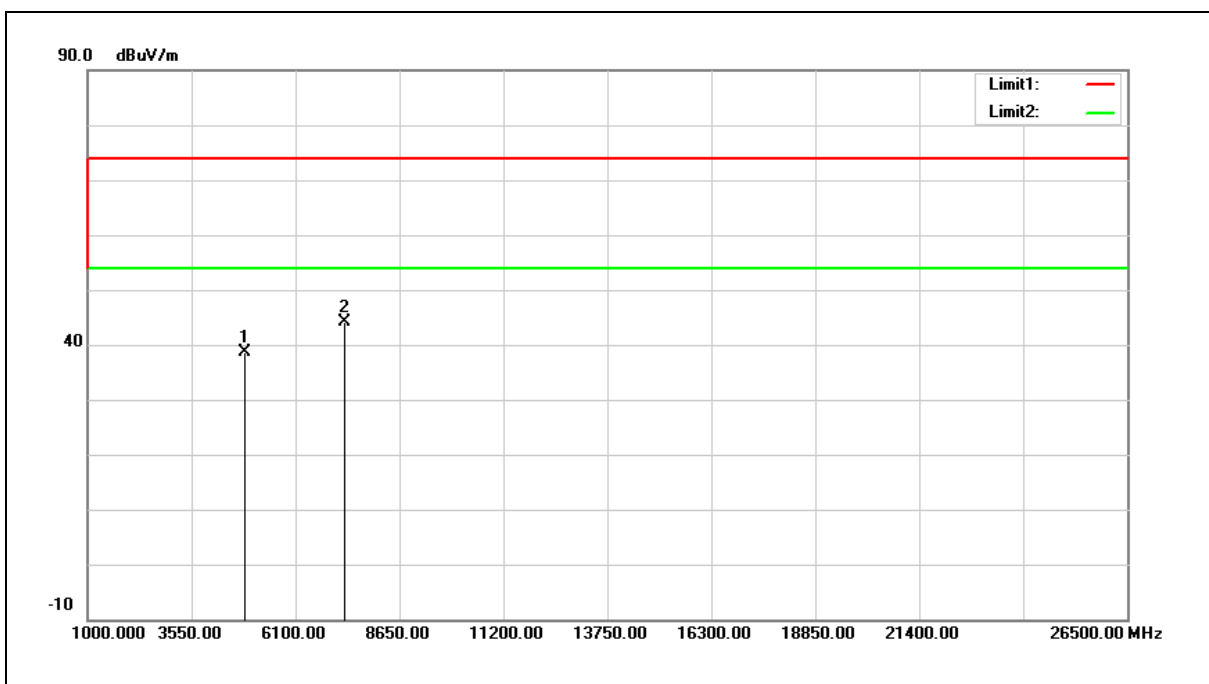
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4874.000           | 39.89             | -1.12                    | 38.77              | 74.00             | -35.23         | peak   |
| 2   | 7311.000           | 37.52             | 6.11                     | 43.63              | 74.00             | -30.37         | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |          |                |     |
|-------------|----------|----------------|-----|
| Standard:   | LP0002   | Test Distance: | 3 m |
| Test item:  | Harmonic |                |     |
| Frequency:  | 2437 MHz |                |     |
| Mode:       | Mode 2   |                |     |
| Ant.Polar.: | Vertical |                |     |



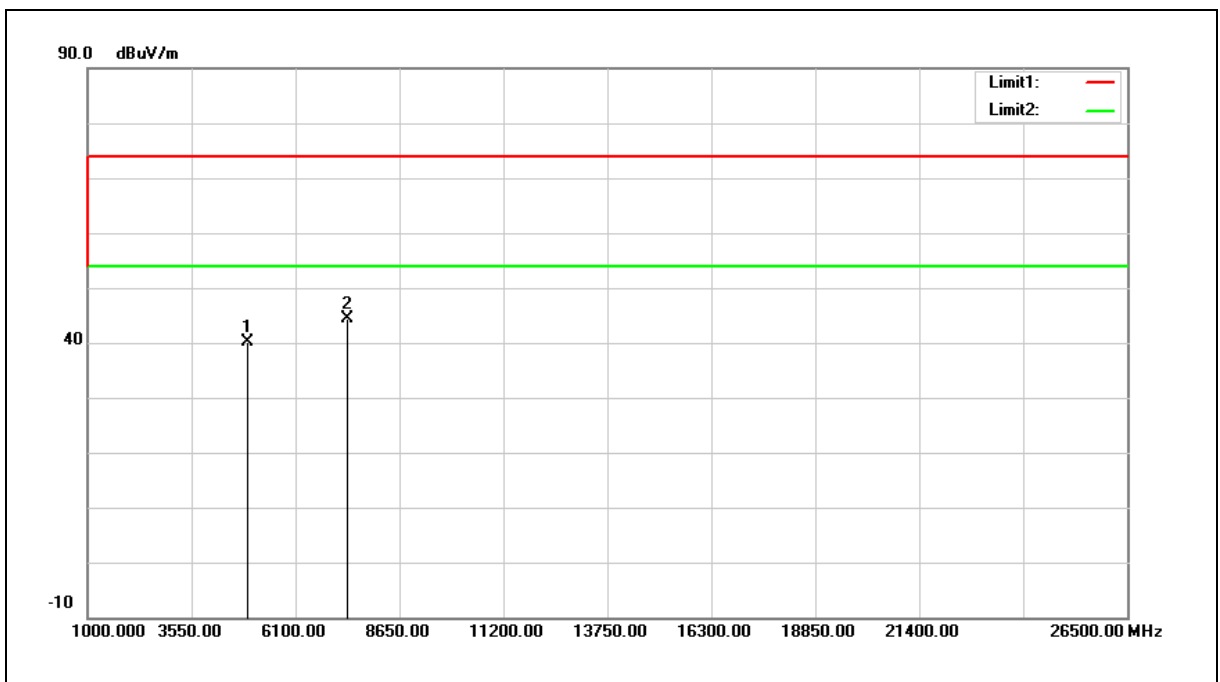
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4874.000           | 39.65             | -1.12                    | 38.53              | 74.00             | -35.47         | peak   |
| 2   | 7311.000           | 38.06             | 6.11                     | 44.17              | 74.00             | -29.83         | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Harmonic   |                |     |
| Frequency:  | 2462 MHz   |                |     |
| Mode:       | Mode 2     |                |     |
| Ant.Polar.: | Horizontal |                |     |



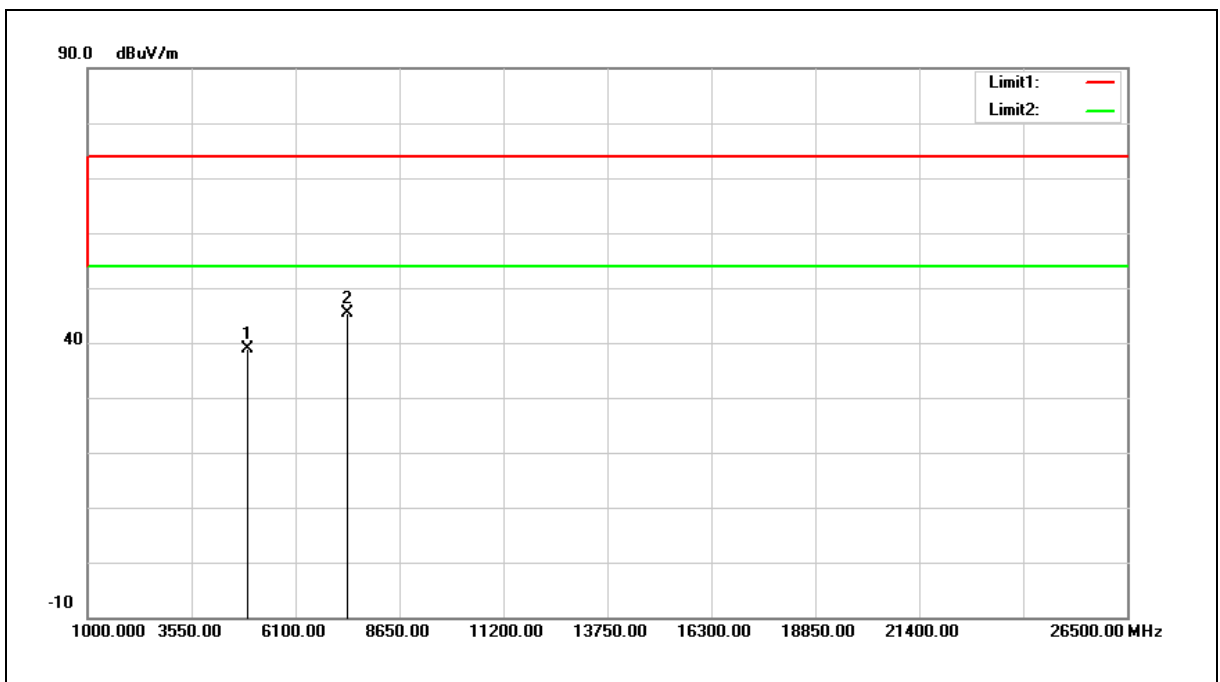
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4924.000           | 41.01             | -0.99                    | 40.02              | 74.00             | -33.98         | peak   |
| 2   | 7386.000           | 37.88             | 6.38                     | 44.26              | 74.00             | -29.74         | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |          |                |     |
|-------------|----------|----------------|-----|
| Standard:   | LP0002   | Test Distance: | 3 m |
| Test item:  | Harmonic |                |     |
| Frequency:  | 2462 MHz |                |     |
| Mode:       | Mode 2   |                |     |
| Ant.Polar.: | Vertical |                |     |



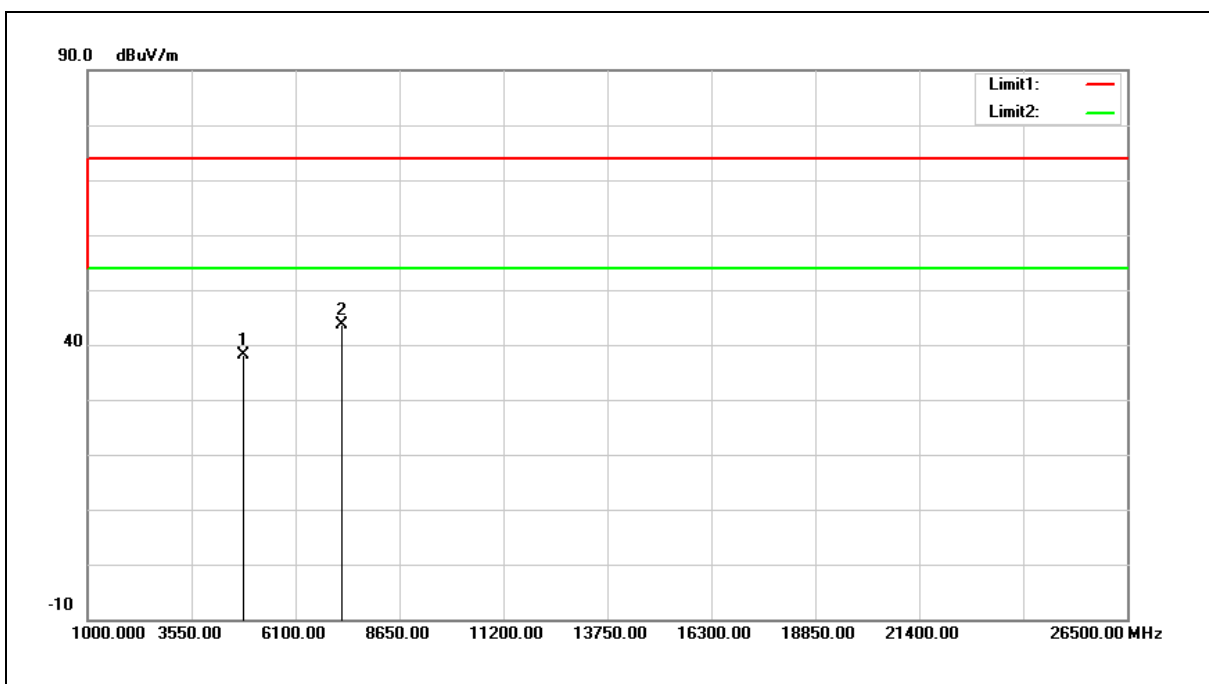
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4924.000           | 39.99             | -0.99                    | 39.00              | 74.00             | -35.00         | peak   |
| 2   | 7386.000           | 38.96             | 6.38                     | 45.34              | 74.00             | -28.66         | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Harmonic   |                |     |
| Frequency:  | 2412 MHz   |                |     |
| Mode:       | Mode 3     |                |     |
| Ant.Polar.: | Horizontal |                |     |



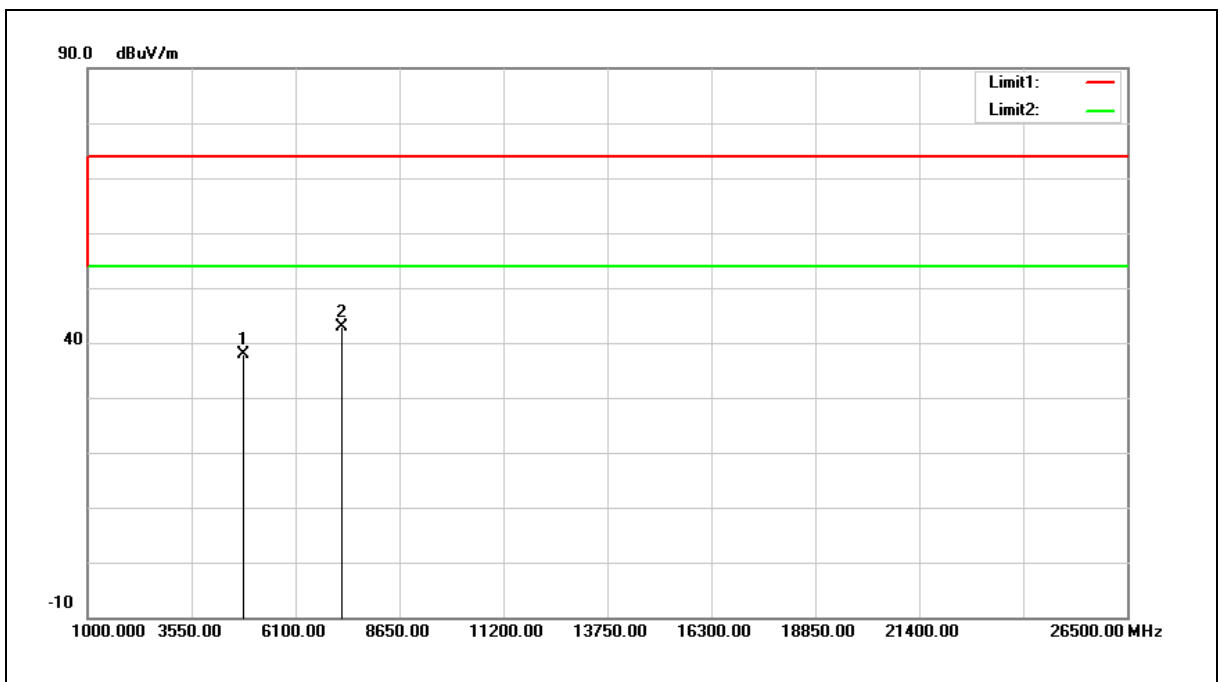
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4824.000           | 39.30             | -1.25                    | 38.05              | 74.00             | -35.95         | peak   |
| 2   | 7236.000           | 37.73             | 5.85                     | 43.58              | 74.00             | -30.42         | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |          |                |     |
|-------------|----------|----------------|-----|
| Standard:   | LP0002   | Test Distance: | 3 m |
| Test item:  | Harmonic |                |     |
| Frequency:  | 2412 MHz |                |     |
| Mode:       | Mode 3   |                |     |
| Ant.Polar.: | Vertical |                |     |



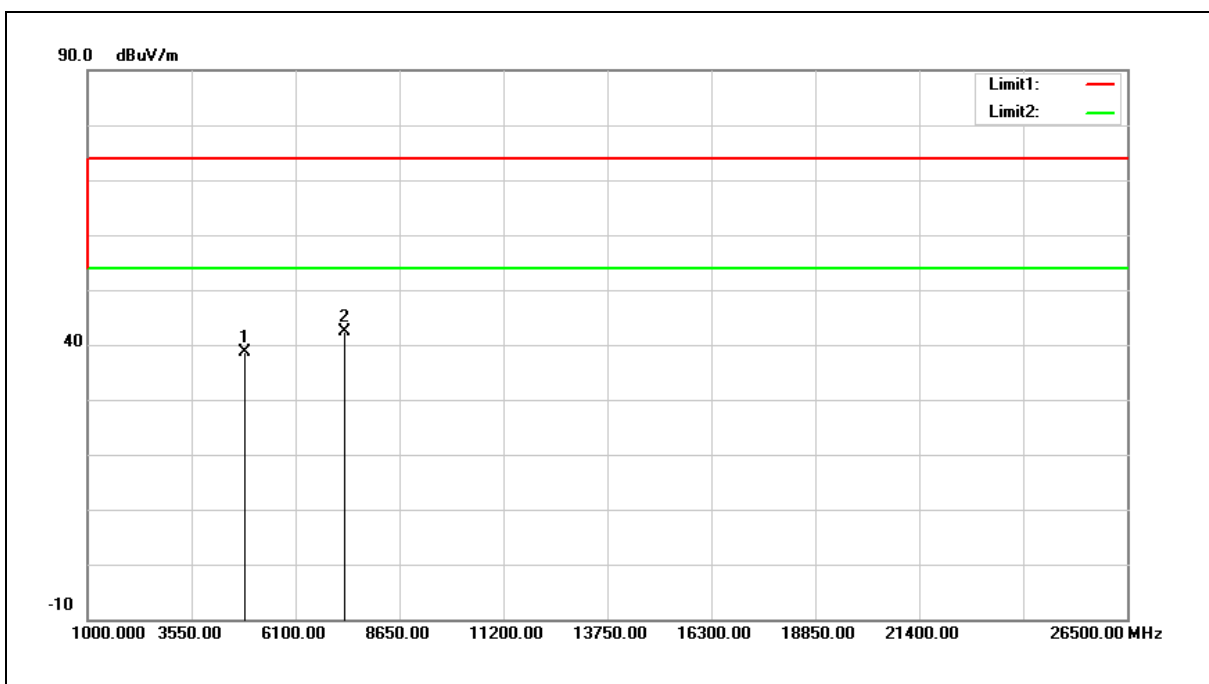
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4824.000           | 39.12             | -1.25                    | 37.87              | 74.00             | -36.13         | peak   |
| 2   | 7236.000           | 36.95             | 5.85                     | 42.80              | 74.00             | -31.20         | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Harmonic   |                |     |
| Frequency:  | 2437 MHz   |                |     |
| Mode:       | Mode 3     |                |     |
| Ant.Polar.: | Horizontal |                |     |



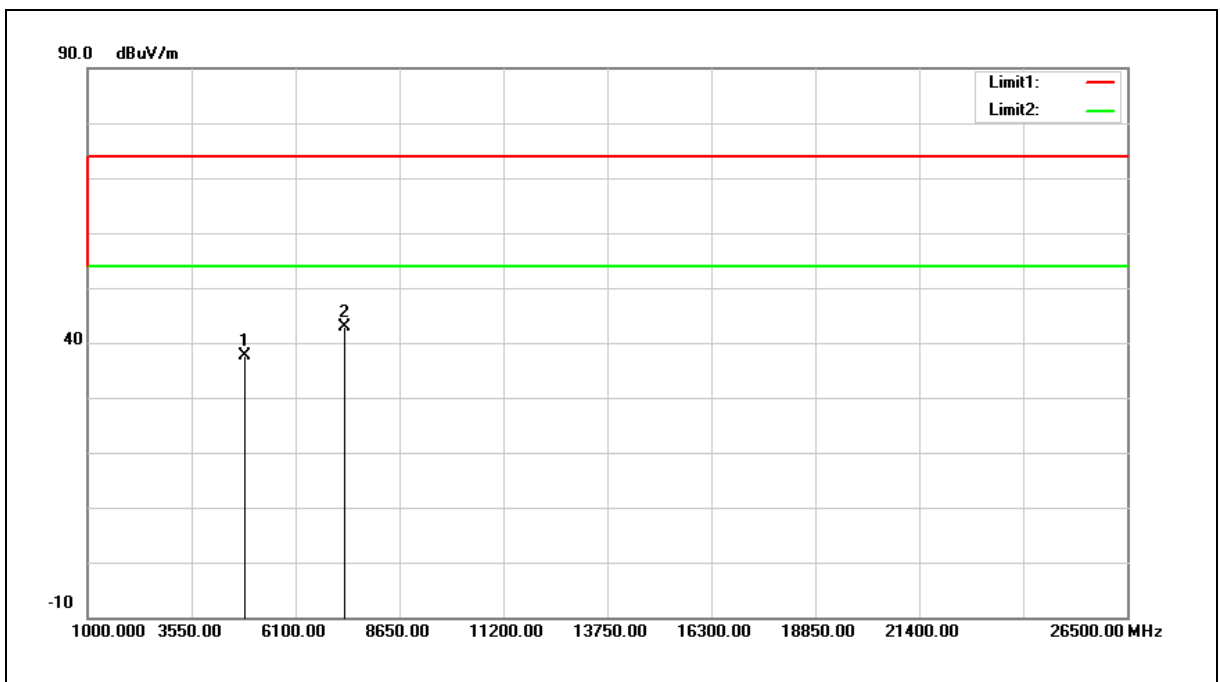
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4874.000           | 39.81             | -1.12                    | 38.69              | 74.00             | -35.31         | peak   |
| 2   | 7311.000           | 36.31             | 6.11                     | 42.42              | 74.00             | -31.58         | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |          |                |     |
|-------------|----------|----------------|-----|
| Standard:   | LP0002   | Test Distance: | 3 m |
| Test item:  | Harmonic |                |     |
| Frequency:  | 2437 MHz |                |     |
| Mode:       | Mode 3   |                |     |
| Ant.Polar.: | Vertical |                |     |



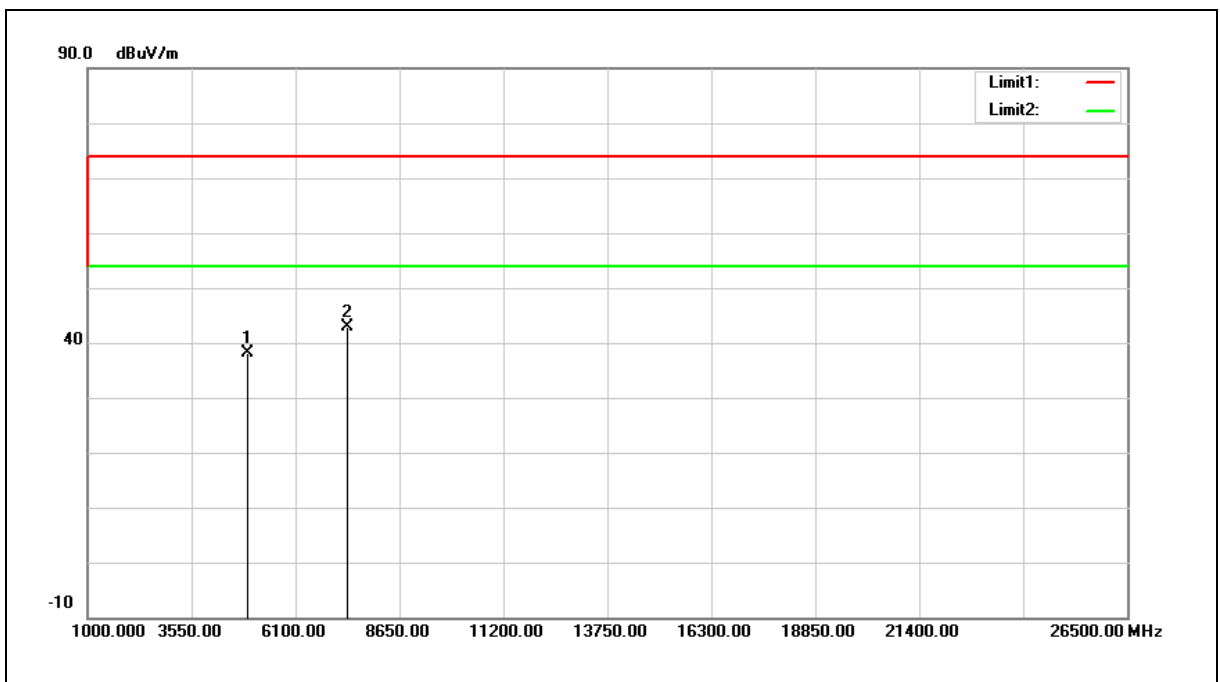
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4874.000           | 38.70             | -1.12                    | 37.58              | 74.00             | -36.42         | peak   |
| 2   | 7311.000           | 36.65             | 6.11                     | 42.76              | 74.00             | -31.24         | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Harmonic   |                |     |
| Frequency:  | 2462 MHz   |                |     |
| Mode:       | Mode 3     |                |     |
| Ant.Polar.: | Horizontal |                |     |



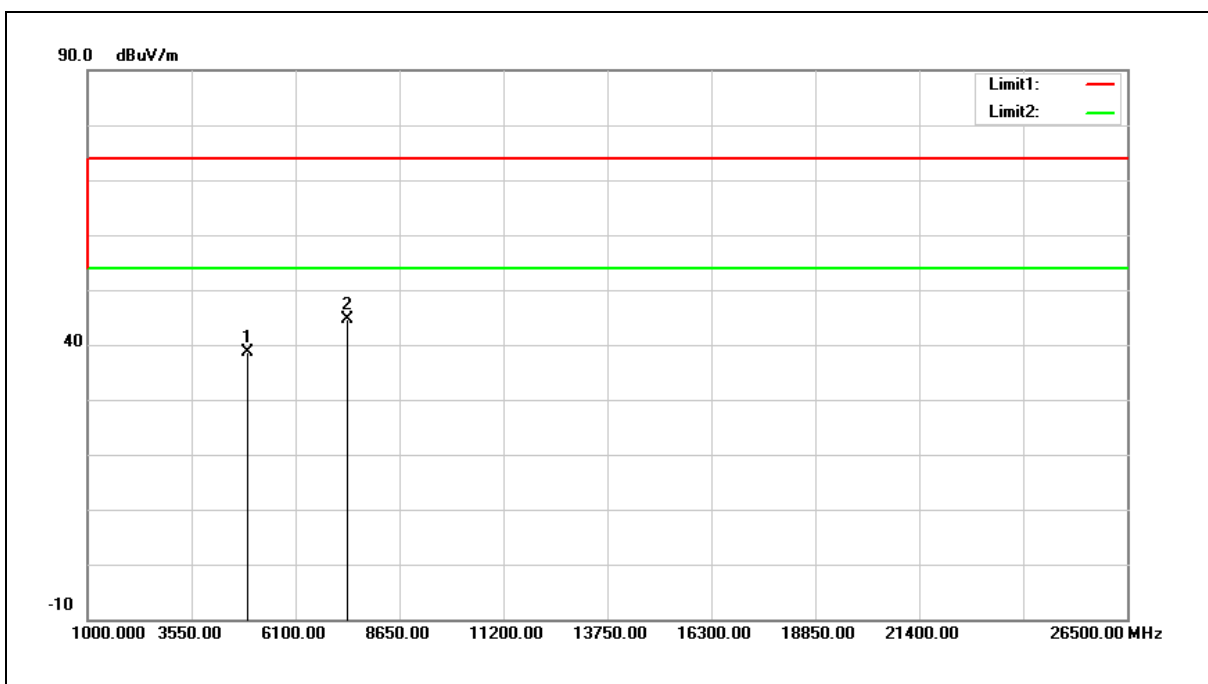
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4924.000           | 39.12             | -0.99                    | 38.13              | 74.00             | -35.87         | peak   |
| 2   | 7386.000           | 36.40             | 6.38                     | 42.78              | 74.00             | -31.22         | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |          |                |     |
|-------------|----------|----------------|-----|
| Standard:   | LP0002   | Test Distance: | 3 m |
| Test item:  | Harmonic |                |     |
| Frequency:  | 2462 MHz |                |     |
| Mode:       | Mode 3   |                |     |
| Ant.Polar.: | Vertical |                |     |



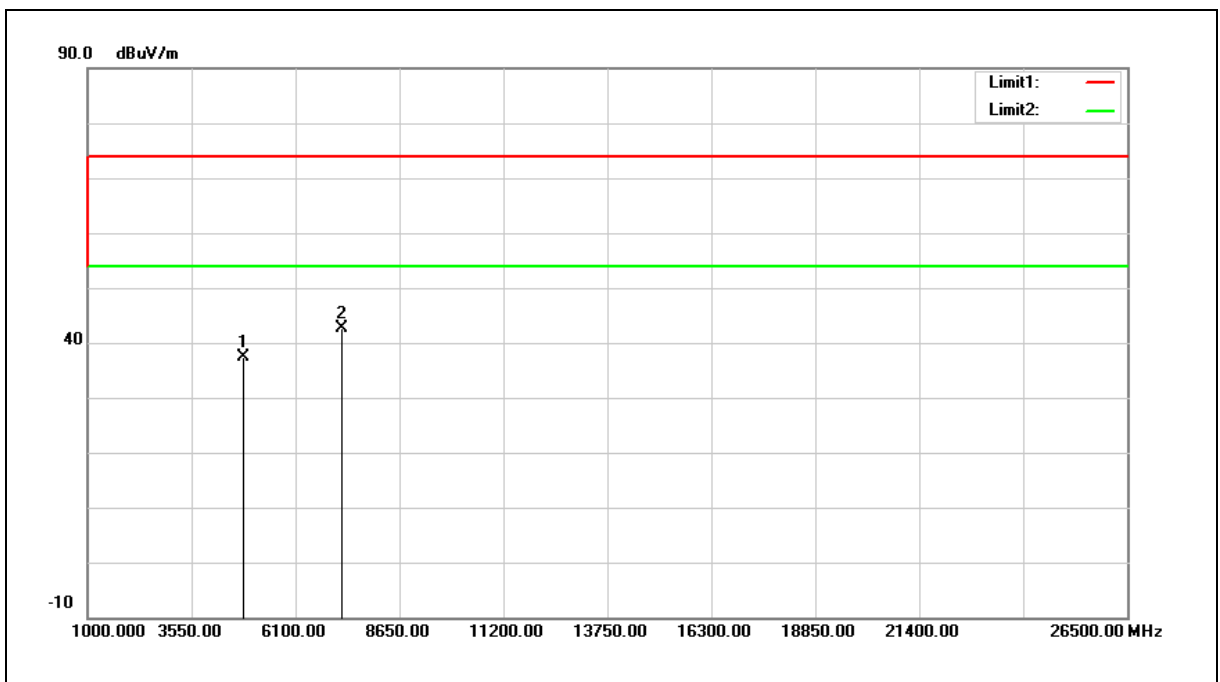
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4924.000           | 39.57             | -0.99                    | 38.58              | 74.00             | -35.42         | peak   |
| 2   | 7386.000           | 38.18             | 6.38                     | 44.56              | 74.00             | -29.44         | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Harmonic   |                |     |
| Frequency:  | 2412 MHz   |                |     |
| Mode:       | Mode 4     |                |     |
| Ant.Polar.: | Horizontal |                |     |



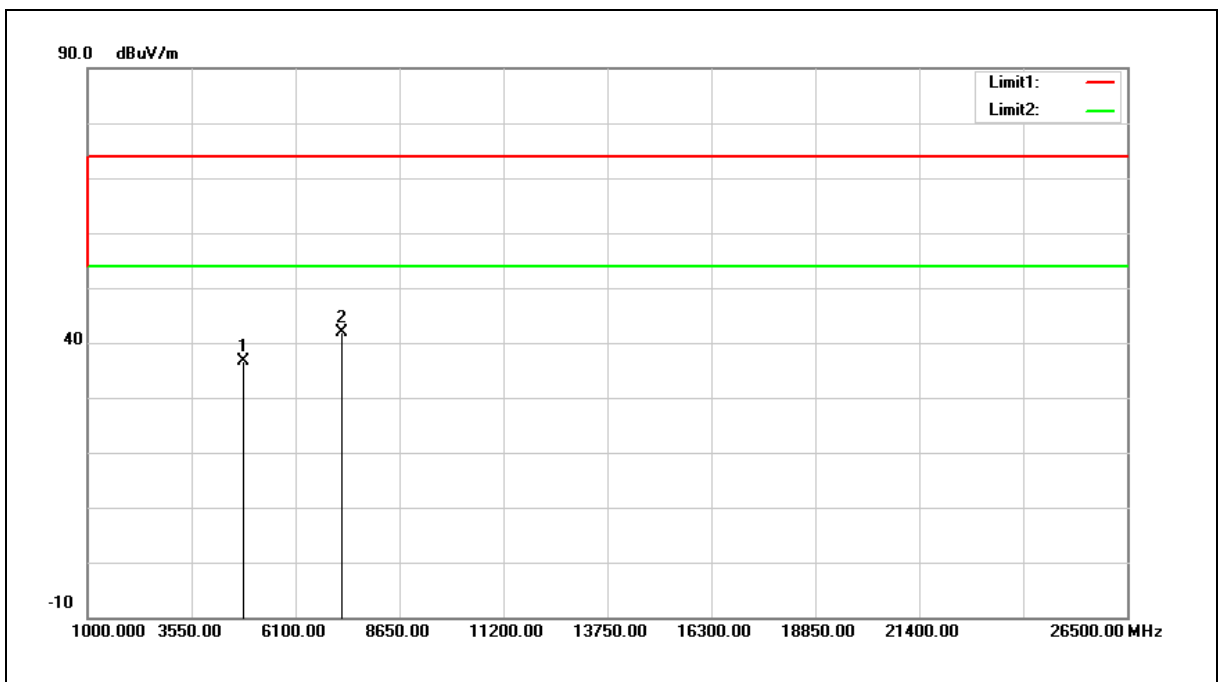
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4824.000           | 38.72             | -1.25                    | 37.47              | 74.00             | -36.53         | peak   |
| 2   | 7236.000           | 36.79             | 5.85                     | 42.64              | 74.00             | -31.36         | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |          |                |     |
|-------------|----------|----------------|-----|
| Standard:   | LP0002   | Test Distance: | 3 m |
| Test item:  | Harmonic |                |     |
| Frequency:  | 2412 MHz |                |     |
| Mode:       | Mode 4   |                |     |
| Ant.Polar.: | Vertical |                |     |



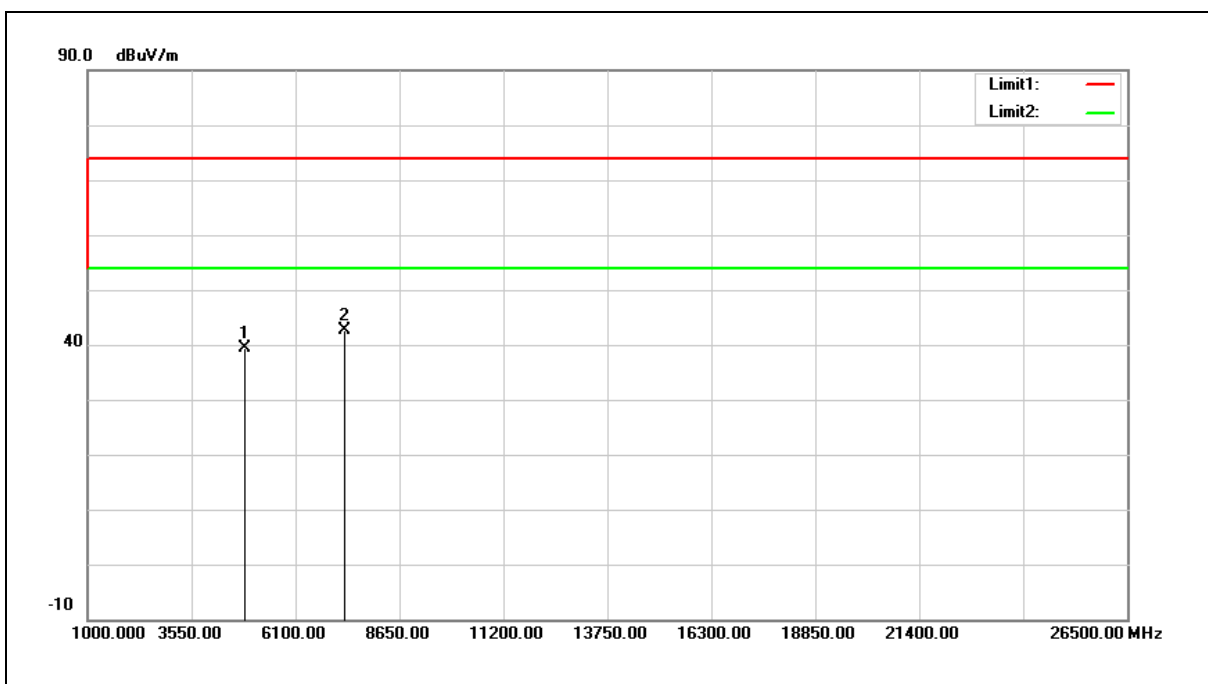
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4824.000           | 37.92             | -1.25                    | 36.67              | 74.00             | -37.33         | peak   |
| 2   | 7236.000           | 36.14             | 5.85                     | 41.99              | 74.00             | -32.01         | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Harmonic   |                |     |
| Frequency:  | 2437 MHz   |                |     |
| Mode:       | Mode 4     |                |     |
| Ant.Polar.: | Horizontal |                |     |



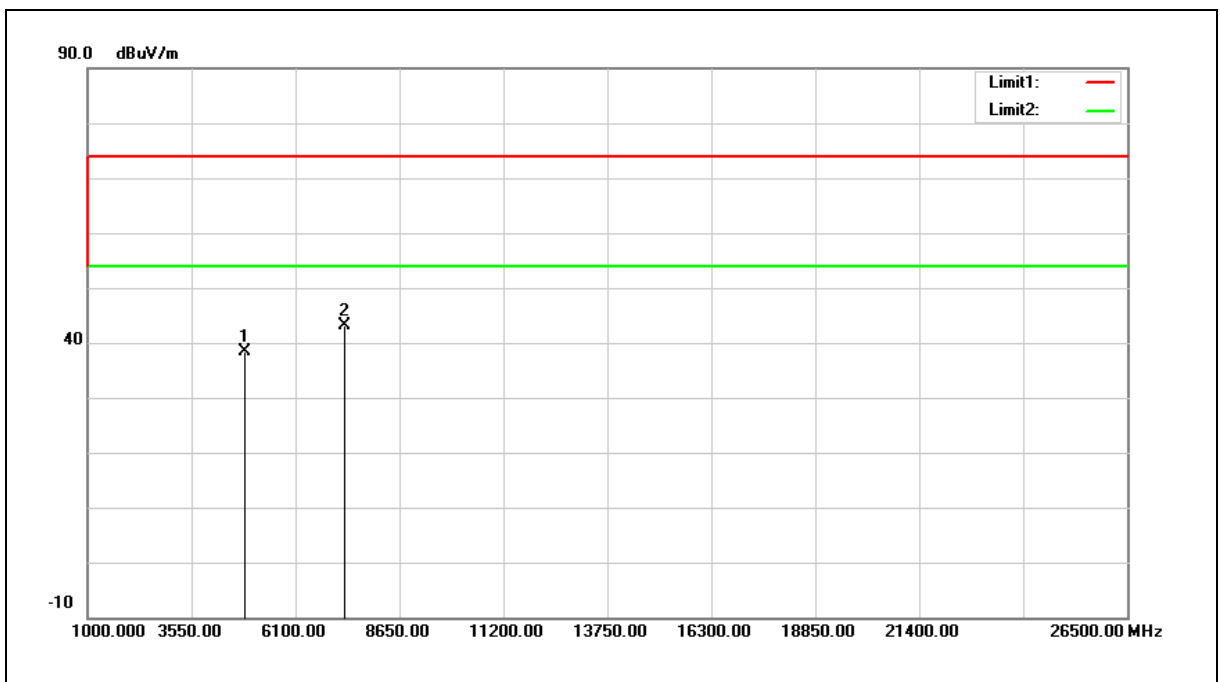
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4874.000           | 40.38             | -1.12                    | 39.26              | 74.00             | -34.74         | peak   |
| 2   | 7311.000           | 36.56             | 6.11                     | 42.67              | 74.00             | -31.33         | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |          |                |     |
|-------------|----------|----------------|-----|
| Standard:   | LP0002   | Test Distance: | 3 m |
| Test item:  | Harmonic |                |     |
| Frequency:  | 2437 MHz |                |     |
| Mode:       | Mode 4   |                |     |
| Ant.Polar.: | Vertical |                |     |



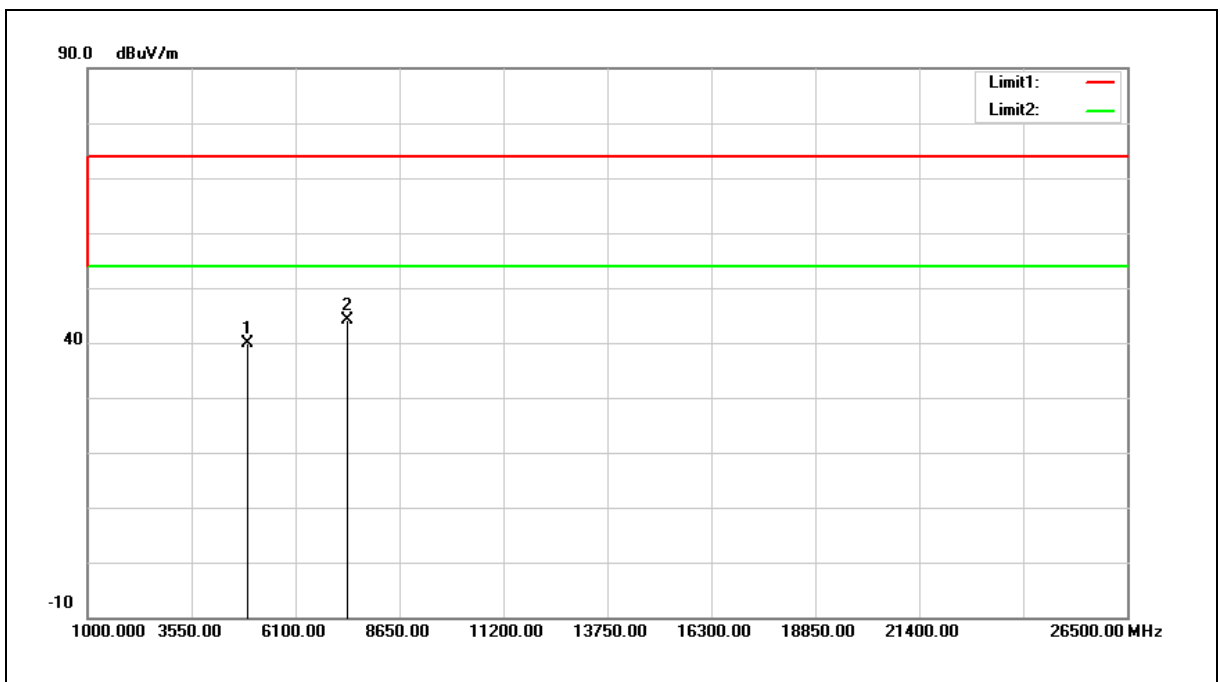
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4874.000           | 39.53             | -1.12                    | 38.41              | 74.00             | -35.59         | peak   |
| 2   | 7311.000           | 36.94             | 6.11                     | 43.05              | 74.00             | -30.95         | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Harmonic   |                |     |
| Frequency:  | 2462 MHz   |                |     |
| Mode:       | Mode 4     |                |     |
| Ant.Polar.: | Horizontal |                |     |



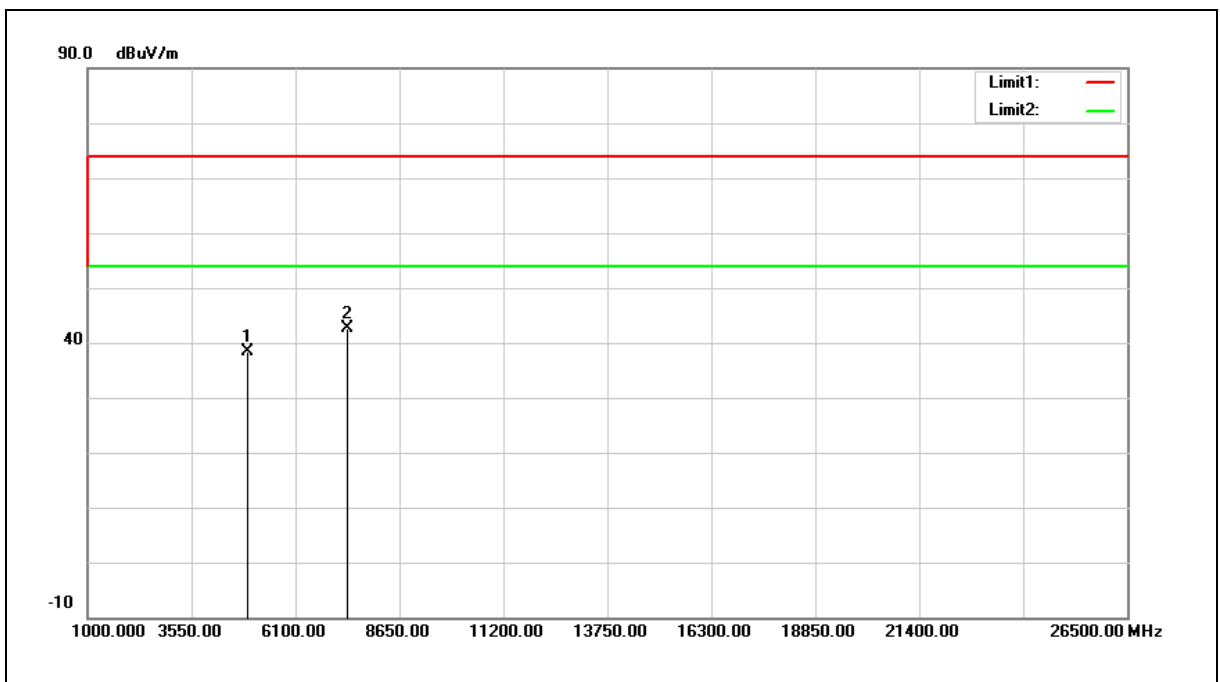
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4924.000           | 40.87             | -0.99                    | 39.88              | 74.00             | -34.12         | peak   |
| 2   | 7386.000           | 37.65             | 6.38                     | 44.03              | 74.00             | -29.97         | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |          |                |     |
|-------------|----------|----------------|-----|
| Standard:   | LP0002   | Test Distance: | 3 m |
| Test item:  | Harmonic |                |     |
| Frequency:  | 2462 MHz |                |     |
| Mode:       | Mode 4   |                |     |
| Ant.Polar.: | Vertical |                |     |



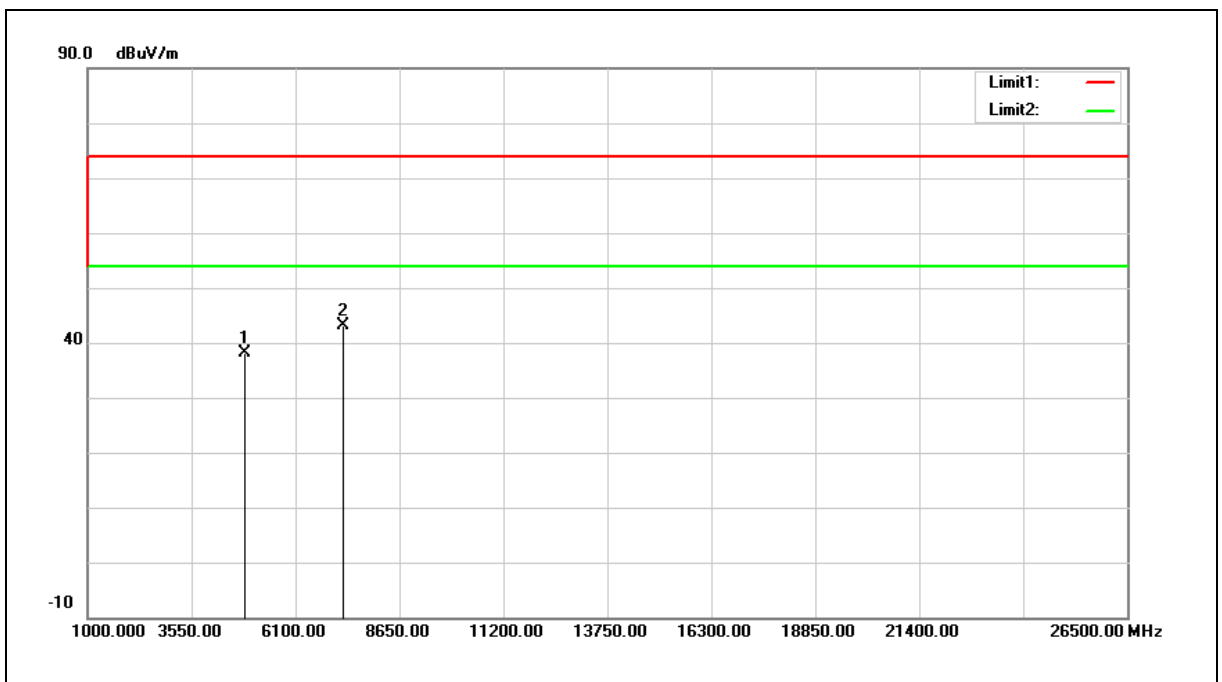
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4924.000           | 39.39             | -0.99                    | 38.40              | 74.00             | -35.60         | peak   |
| 2   | 7386.000           | 36.28             | 6.38                     | 42.66              | 74.00             | -31.34         | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Harmonic   |                |     |
| Frequency:  | 2422 MHz   |                |     |
| Mode:       | Mode 5     |                |     |
| Ant.Polar.: | Horizontal |                |     |



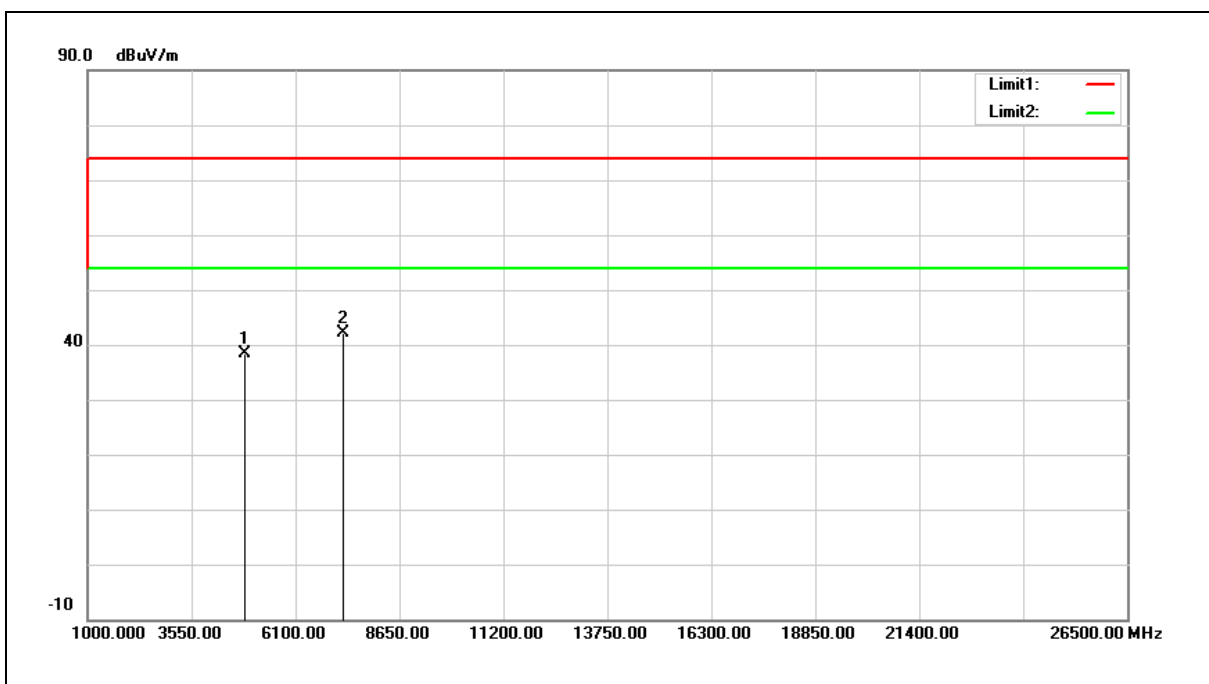
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4844.000           | 39.42             | -1.19                    | 38.23              | 74.00             | -35.77         | peak   |
| 2   | 7266.000           | 37.18             | 5.95                     | 43.13              | 74.00             | -30.87         | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |          |                |     |
|-------------|----------|----------------|-----|
| Standard:   | LP0002   | Test Distance: | 3 m |
| Test item:  | Harmonic |                |     |
| Frequency:  | 2422 MHz |                |     |
| Mode:       | Mode 5   |                |     |
| Ant.Polar.: | Vertical |                |     |



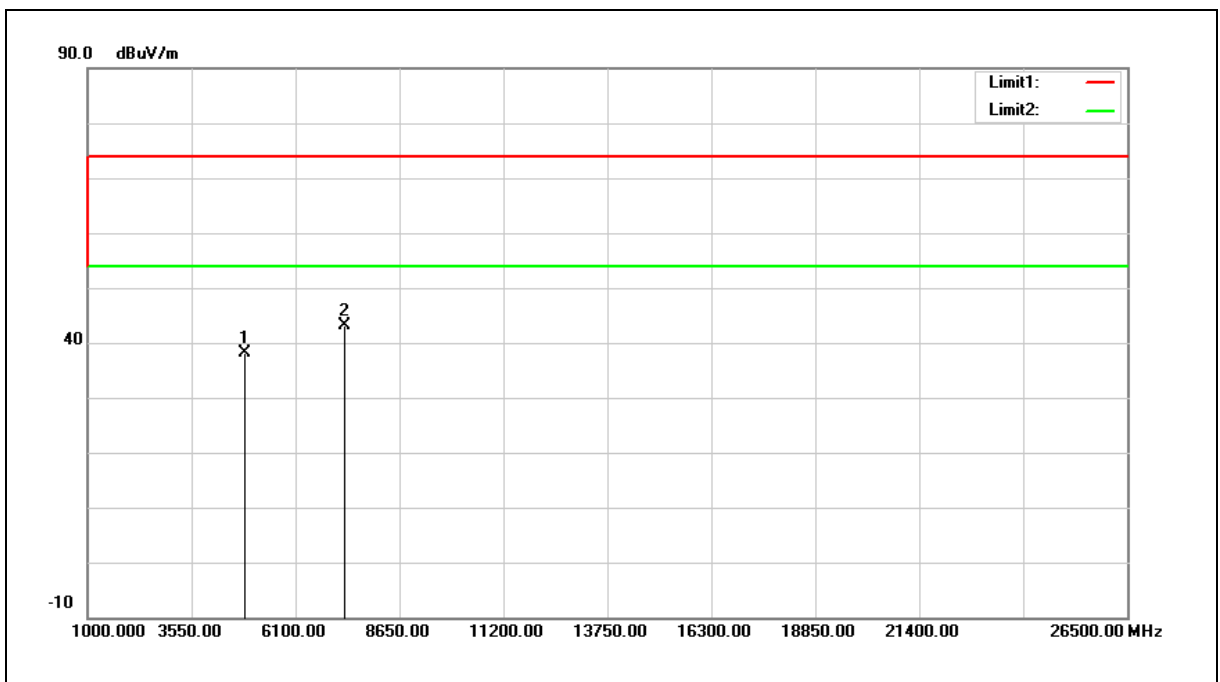
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4844.000           | 39.68             | -1.19                    | 38.49              | 74.00             | -35.51         | peak   |
| 2   | 7266.000           | 36.30             | 5.95                     | 42.25              | 74.00             | -31.75         | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Harmonic   |                |     |
| Frequency:  | 2437 MHz   |                |     |
| Mode:       | Mode 5     |                |     |
| Ant.Polar.: | Horizontal |                |     |



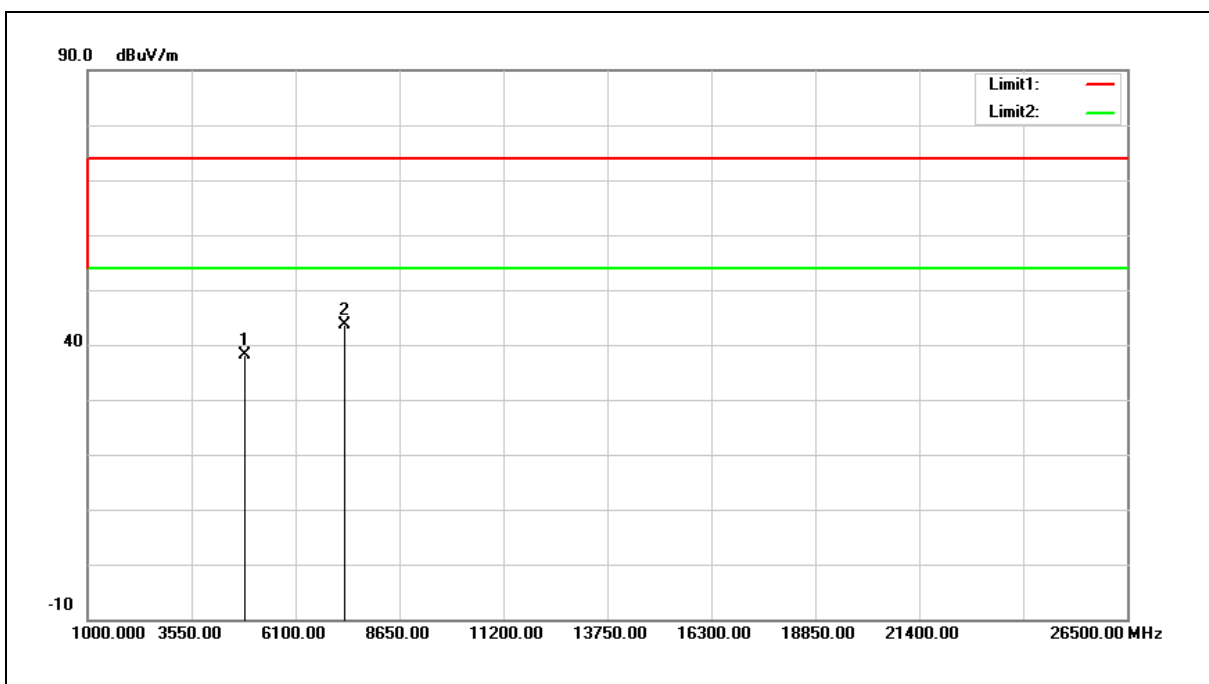
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4874.000           | 39.22             | -1.12                    | 38.10              | 74.00             | -35.90         | peak   |
| 2   | 7311.000           | 37.07             | 6.11                     | 43.18              | 74.00             | -30.82         | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |          |                |     |
|-------------|----------|----------------|-----|
| Standard:   | LP0002   | Test Distance: | 3 m |
| Test item:  | Harmonic |                |     |
| Frequency:  | 2437 MHz |                |     |
| Mode:       | Mode 5   |                |     |
| Ant.Polar.: | Vertical |                |     |



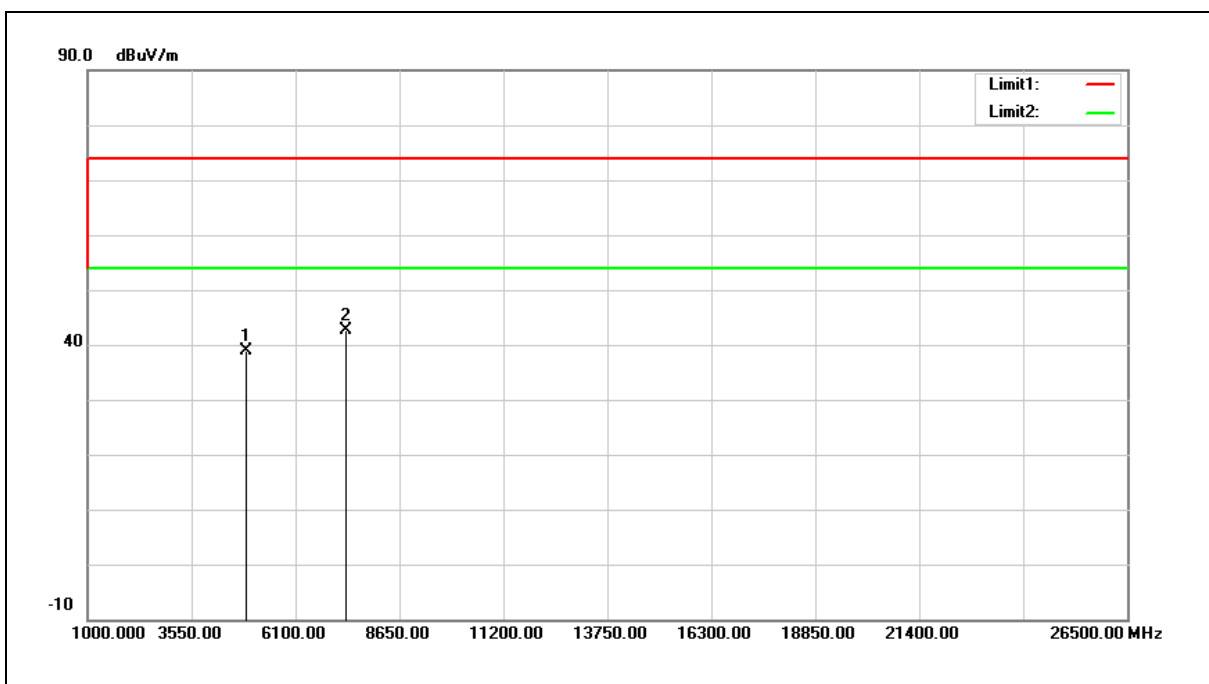
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4874.000           | 39.14             | -1.12                    | 38.02              | 74.00             | -35.98         | peak   |
| 2   | 7311.000           | 37.40             | 6.11                     | 43.51              | 74.00             | -30.49         | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Harmonic   |                |     |
| Frequency:  | 2452 MHz   |                |     |
| Mode:       | Mode 5     |                |     |
| Ant.Polar.: | Horizontal |                |     |



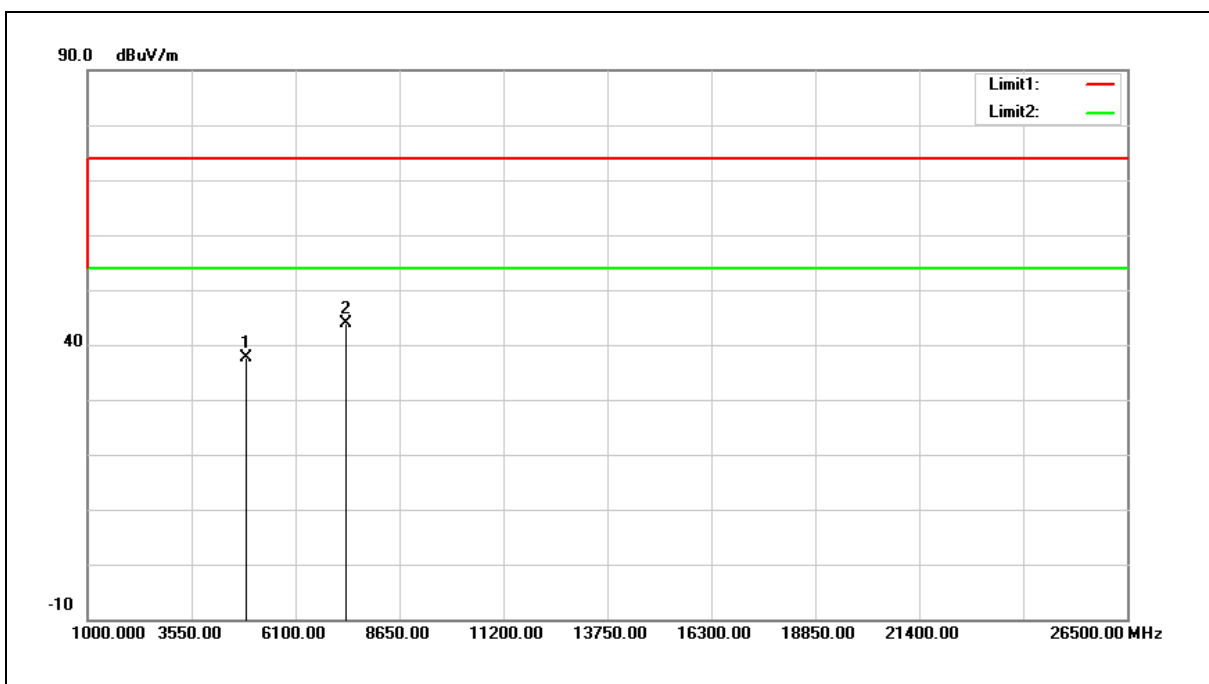
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4904.000           | 39.81             | -1.04                    | 38.77              | 74.00             | -35.23         | peak   |
| 2   | 7356.000           | 36.28             | 6.27                     | 42.55              | 74.00             | -31.45         | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |          |                |     |
|-------------|----------|----------------|-----|
| Standard:   | LP0002   | Test Distance: | 3 m |
| Test item:  | Harmonic |                |     |
| Frequency:  | 2452 MHz |                |     |
| Mode:       | Mode 5   |                |     |
| Ant.Polar.: | Vertical |                |     |



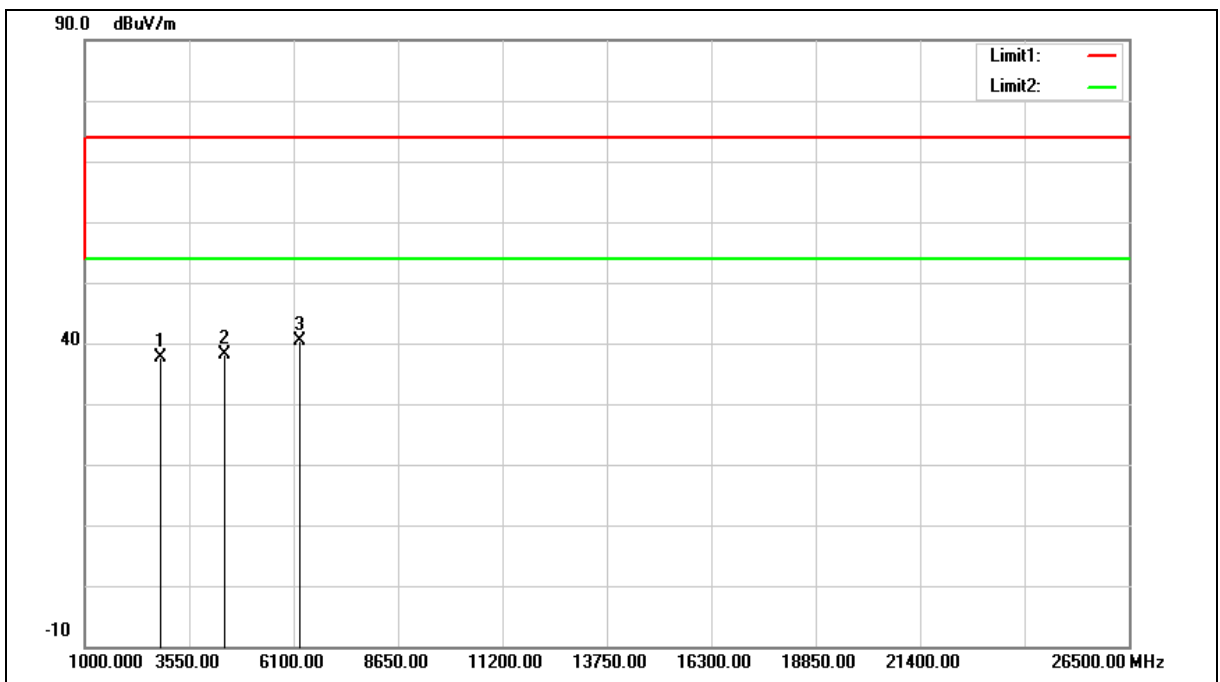
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4904.000           | 38.65             | -1.04                    | 37.61              | 74.00             | -36.39         | peak   |
| 2   | 7356.000           | 37.69             | 6.27                     | 43.96              | 74.00             | -30.04         | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |                            |                |     |
|-------------|----------------------------|----------------|-----|
| Standard:   | LP0002                     | Test Distance: | 3 m |
| Test item:  | Harmonic                   |                |     |
| Mode:       | Simultaneous Transmitting  |                |     |
|             | (WLAN 2.4 GHz + Bluetooth) |                |     |
| Ant.Polar.: | Horizontal                 |                |     |



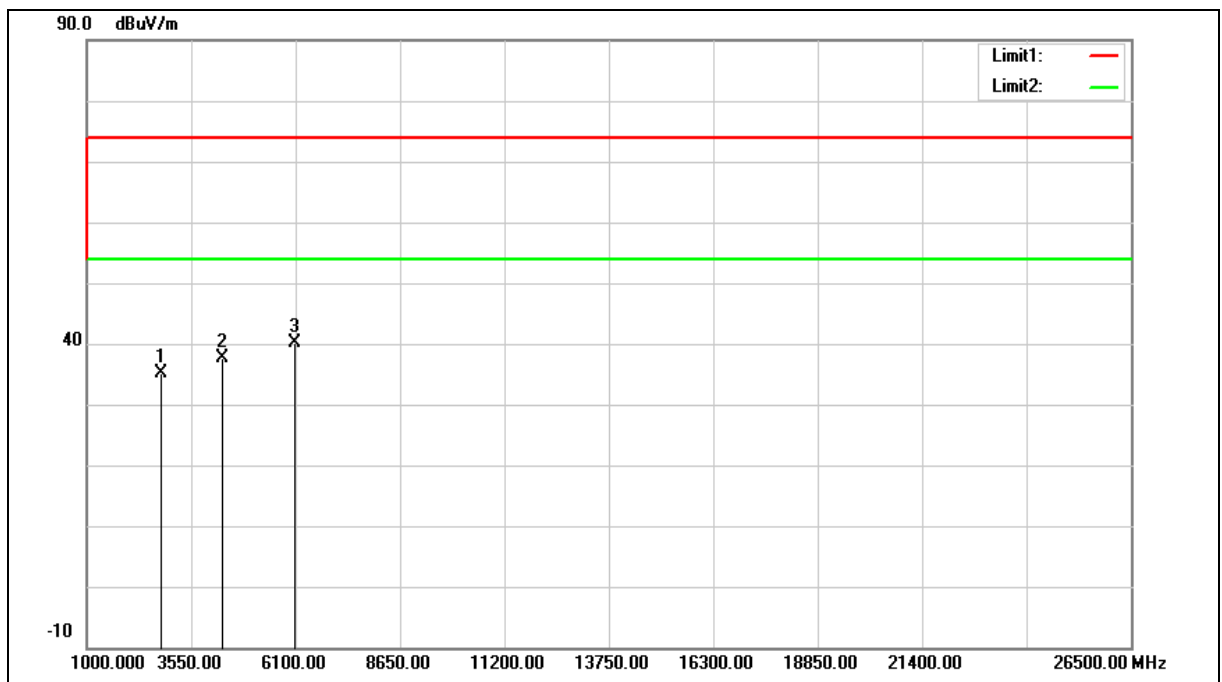
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2853.000           | 43.47             | -5.84                    | 37.63              | 74.00             | -36.37         | peak   |
| 2   | 4417.000           | 40.43             | -2.36                    | 38.07              | 74.00             | -35.93         | peak   |
| 3   | 6236.000           | 37.87             | 2.40                     | 40.27              | 74.00             | -33.73         | peak   |

Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |                            |                |     |
|-------------|----------------------------|----------------|-----|
| Standard:   | LP0002                     | Test Distance: | 3 m |
| Test item:  | Harmonic                   |                |     |
| Mode:       | Simultaneous Transmitting  |                |     |
|             | (WLAN 2.4 GHz + Bluetooth) |                |     |
| Ant.Polar.: | Vertical                   |                |     |



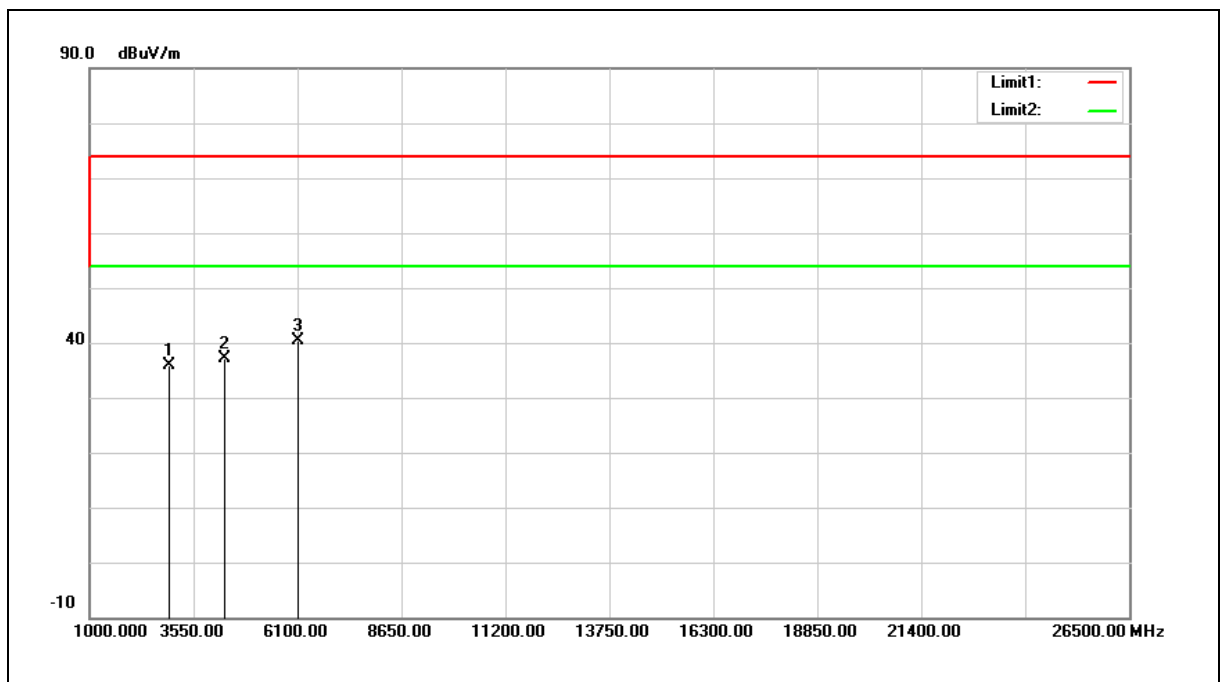
| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 2802.000        | 41.09          | -6.04                 | 35.05           | 74.00          | -38.95      | peak   |
| 2   | 4315.000        | 40.37          | -2.64                 | 37.73           | 74.00          | -36.27      | peak   |
| 3   | 6066.000        | 38.44          | 1.80                  | 40.24           | 74.00          | -33.76      | peak   |

Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|              |            |                |     |
|--------------|------------|----------------|-----|
| Standard:    | LP0002     | Test Distance: | 3 m |
| Test item:   | Harmonic   |                |     |
| Mode:        | Mode 12    |                |     |
| Ant.Polar.:  | Horizontal |                |     |
| Description: |            |                |     |



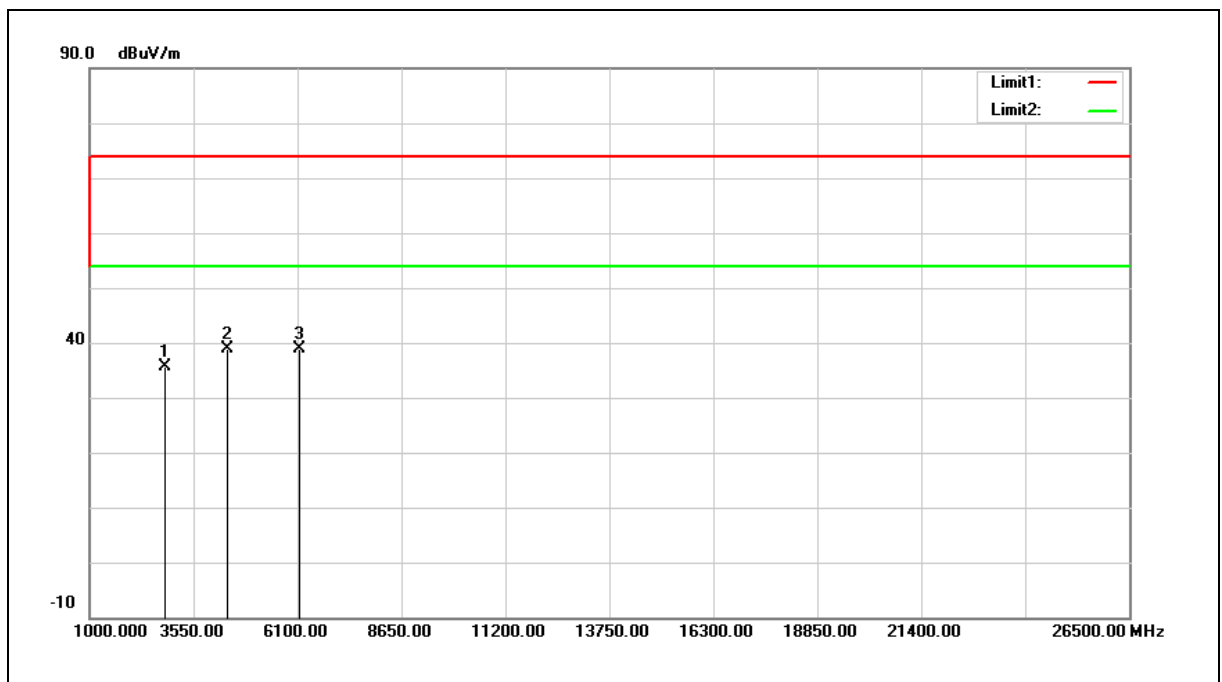
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2921.000           | 41.41             | -5.56                    | 35.85              | 74.00             | -38.15         | peak   |
| 2   | 4315.000           | 39.87             | -2.64                    | 37.23              | 74.00             | -36.77         | peak   |
| 3   | 6117.000           | 38.29             | 1.99                     | 40.28              | 74.00             | -33.72         | peak   |

Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|              |          |                |     |
|--------------|----------|----------------|-----|
| Standard:    | LP0002   | Test Distance: | 3 m |
| Test item:   | Harmonic |                |     |
| Mode:        | Mode 12  |                |     |
| Ant.Polar.:  | Vertical |                |     |
| Description: |          |                |     |



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2853.000           | 41.57             | -5.84                    | 35.73              | 74.00             | -38.27         | peak   |
| 2   | 4366.000           | 41.47             | -2.50                    | 38.97              | 74.00             | -35.03         | peak   |
| 3   | 6134.000           | 36.82             | 2.04                     | 38.86              | 74.00             | -35.14         | peak   |

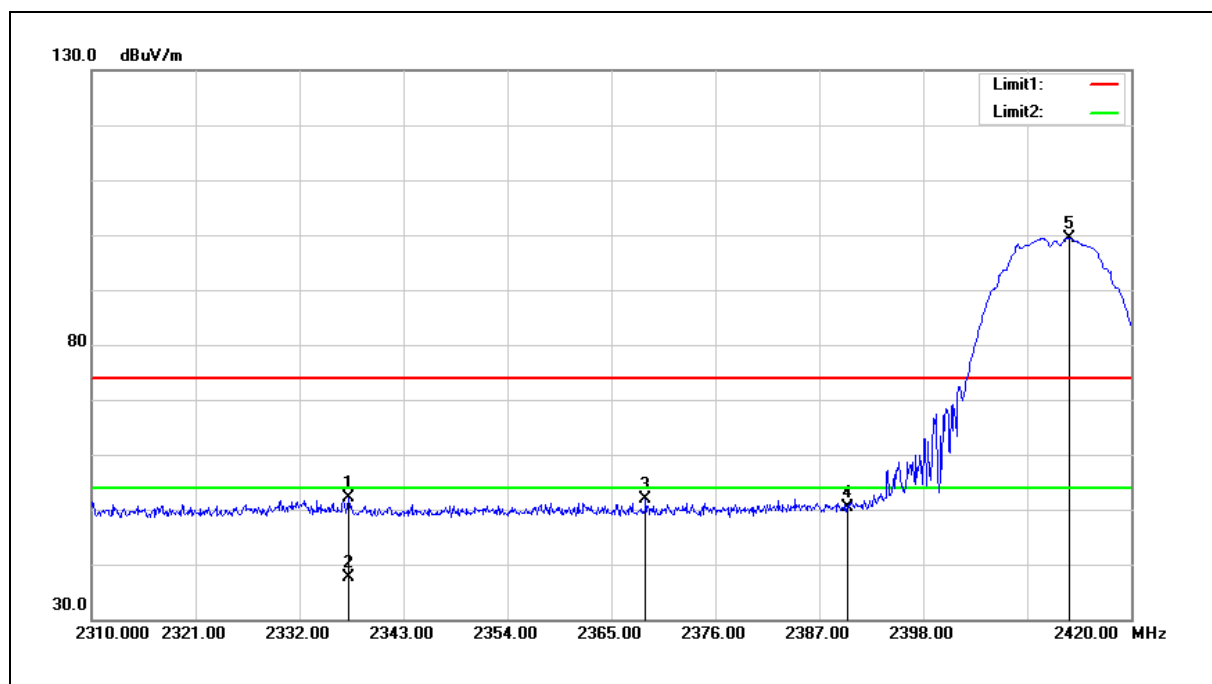
Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

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|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Band edge  |                |     |
| Frequency:  | 2412 MHz   |                |     |
| Mode:       | Mode 2     |                |     |
| Ant.Polar.: | Horizontal |                |     |



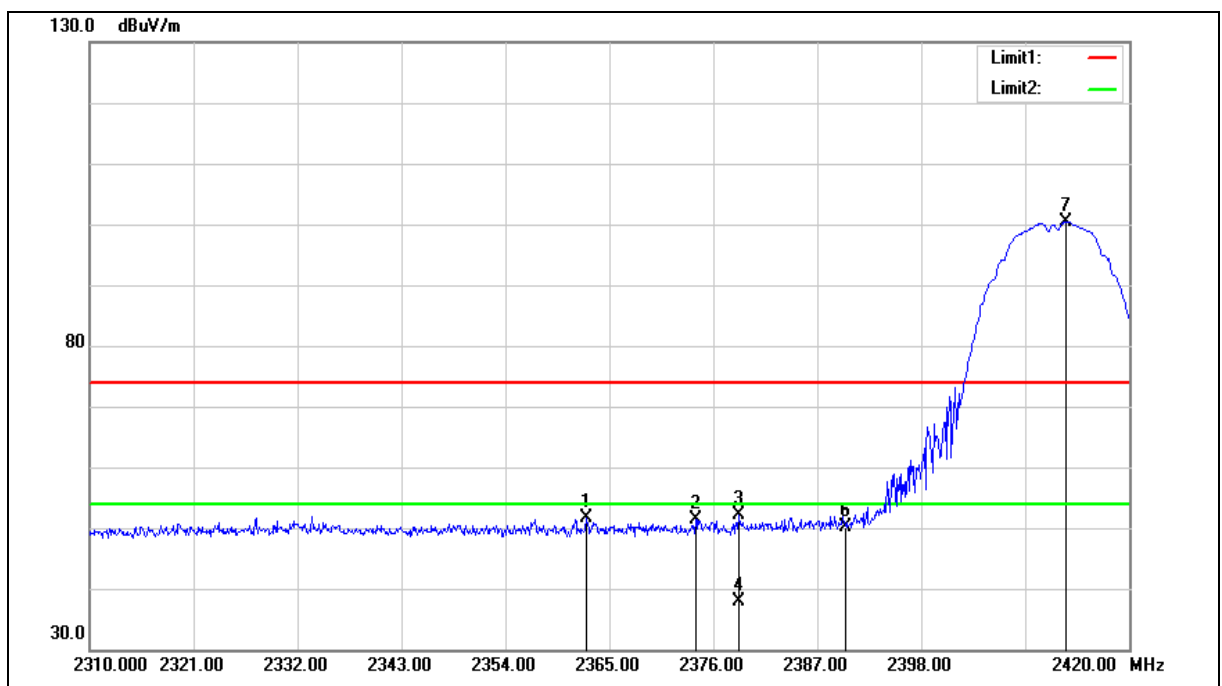
| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 2337.170        | 59.99          | -7.94                 | 52.05           | 74.00          | -21.95      | peak   |
| 2   | 2337.170        | 45.59          | -7.94                 | 37.65           | 54.00          | -16.35      | AVG    |
| 3   | 2368.630        | 59.70          | -7.80                 | 51.90           | 74.00          | -22.10      | peak   |
| 4   | 2390.000        | 58.09          | -7.72                 | 50.37           | 74.00          | -23.63      | peak   |
| 5   | 2413.400        | 106.95         | -7.62                 | 99.33           | --             | --          | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                |     |
|-------------|-----------|----------------|-----|
| Standard:   | LP0002    | Test Distance: | 3 m |
| Test item:  | Band edge |                |     |
| Frequency:  | 2412 MHz  |                |     |
| Mode:       | Mode 2    |                |     |
| Ant.Polar.: | Vertical  |                |     |



|             |           |                |     |
|-------------|-----------|----------------|-----|
| Standard:   | LP0002    | Test Distance: | 3 m |
| Test item:  | Band edge |                |     |
| Frequency:  | 2412 MHz  |                |     |
| Mode:       | Mode 2    |                |     |
| Ant.Polar.: | Vertical  |                |     |

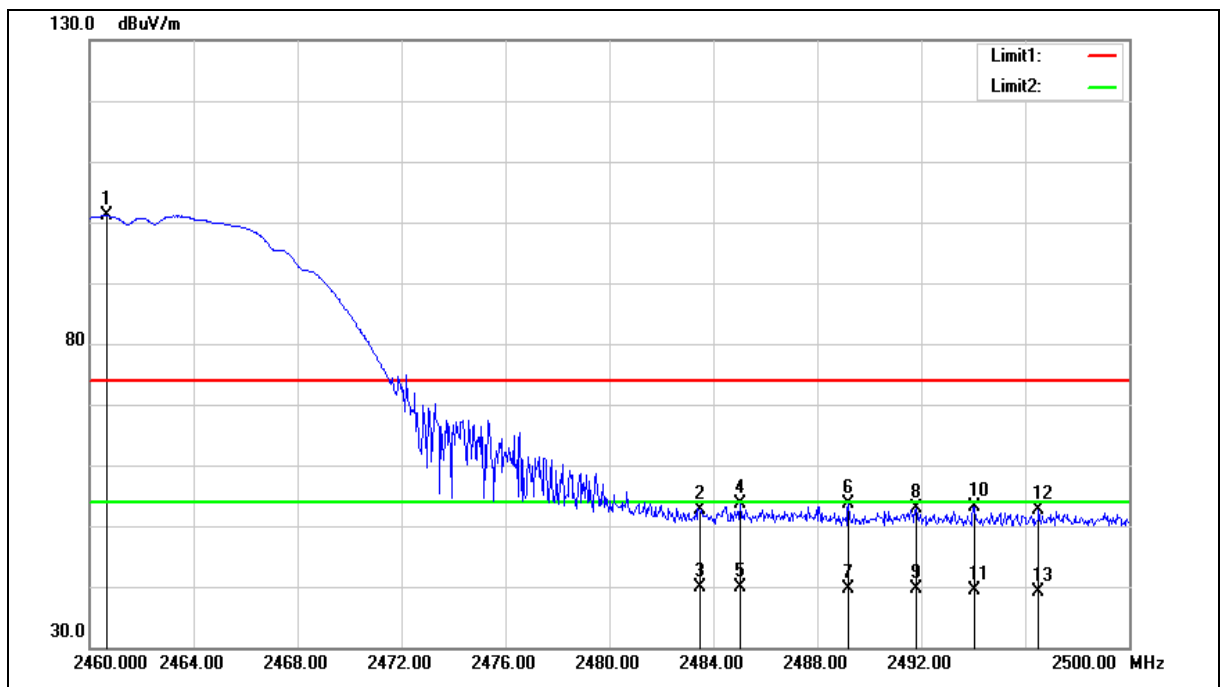
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2362.580           | 59.51             | -7.83                    | 51.68              | 74.00             | -22.32         | peak   |
| 2   | 2374.130           | 59.06             | -7.78                    | 51.28              | 74.00             | -22.72         | peak   |
| 3   | 2378.640           | 59.99             | -7.76                    | 52.23              | 74.00             | -21.77         | peak   |
| 4   | 2378.640           | 45.66             | -7.76                    | 37.90              | 54.00             | -16.10         | AVG    |
| 5   | 2390.000           | 57.74             | -7.72                    | 50.02              | 74.00             | -23.98         | peak   |
| 6   | 2390.000           | 57.74             | -7.72                    | 50.02              | 74.00             | -23.98         | peak   |
| 7   | 2413.290           | 107.98            | -7.62                    | 100.36             | --                | --             | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Band edge  |                |     |
| Frequency:  | 2462 MHz   |                |     |
| Mode:       | Mode 2     |                |     |
| Ant.Polar.: | Horizontal |                |     |



|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Band edge  |                |     |
| Frequency:  | 2462 MHz   |                |     |
| Mode:       | Mode 2     |                |     |
| Ant.Polar.: | Horizontal |                |     |

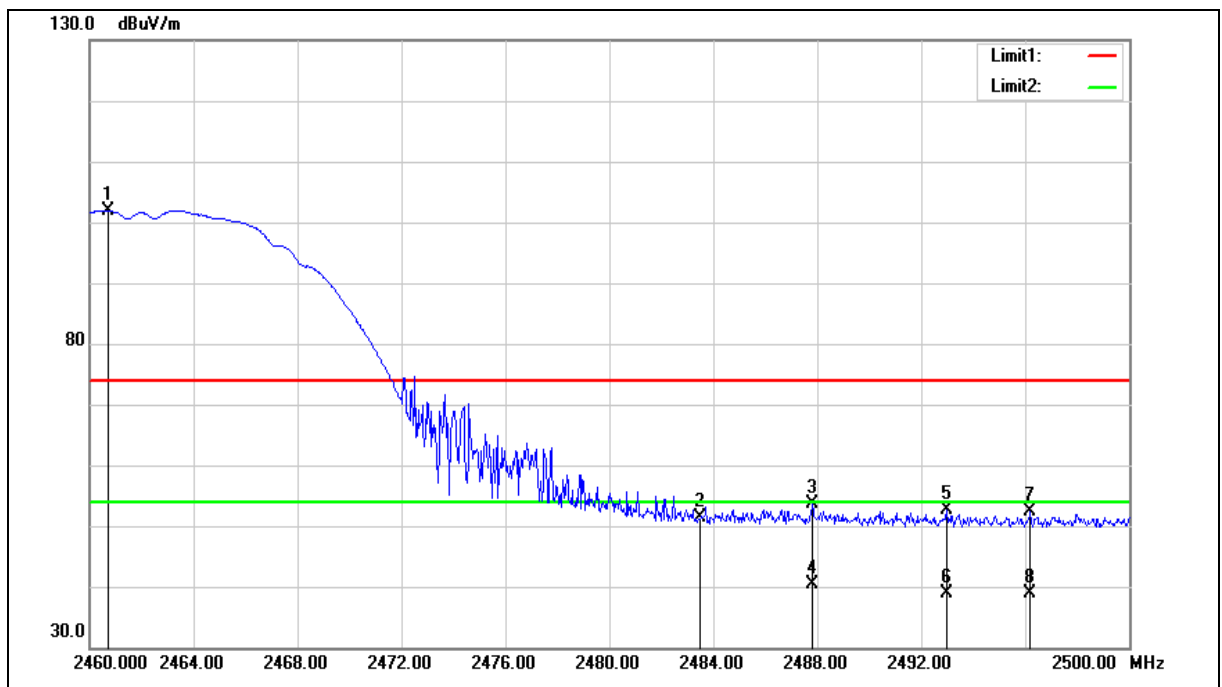
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2460.680           | 108.47            | -7.43                    | 101.04             | --                | --             | peak   |
| 2   | 2483.500           | 59.92             | -7.34                    | 52.58              | 74.00             | -21.42         | peak   |
| 3   | 2483.500           | 47.10             | -7.34                    | 39.76              | 54.00             | -14.24         | AVG    |
| 4   | 2485.040           | 60.94             | -7.33                    | 53.61              | 74.00             | -20.39         | peak   |
| 5   | 2485.040           | 47.12             | -7.33                    | 39.79              | 54.00             | -14.21         | AVG    |
| 6   | 2489.200           | 60.82             | -7.31                    | 53.51              | 74.00             | -20.49         | peak   |
| 7   | 2489.200           | 46.92             | -7.31                    | 39.61              | 54.00             | -14.39         | AVG    |
| 8   | 2491.800           | 60.13             | -7.30                    | 52.83              | 74.00             | -21.17         | peak   |
| 9   | 2491.800           | 46.85             | -7.30                    | 39.55              | 54.00             | -14.45         | AVG    |
| 10  | 2494.040           | 60.40             | -7.29                    | 53.11              | 74.00             | -20.89         | peak   |
| 11  | 2494.040           | 46.57             | -7.29                    | 39.28              | 54.00             | -14.72         | AVG    |
| 12  | 2496.520           | 59.93             | -7.28                    | 52.65              | 74.00             | -21.35         | peak   |
| 13  | 2496.520           | 46.45             | -7.28                    | 39.17              | 54.00             | -14.83         | AVG    |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                |     |
|-------------|-----------|----------------|-----|
| Standard:   | LP0002    | Test Distance: | 3 m |
| Test item:  | Band edge |                |     |
| Frequency:  | 2462 MHz  |                |     |
| Mode:       | Mode 2    |                |     |
| Ant.Polar.: | Vertical  |                |     |



|             |           |                |     |
|-------------|-----------|----------------|-----|
| Standard:   | LP0002    | Test Distance: | 3 m |
| Test item:  | Band edge |                |     |
| Frequency:  | 2462 MHz  |                |     |
| Mode:       | Mode 2    |                |     |
| Ant.Polar.: | Vertical  |                |     |

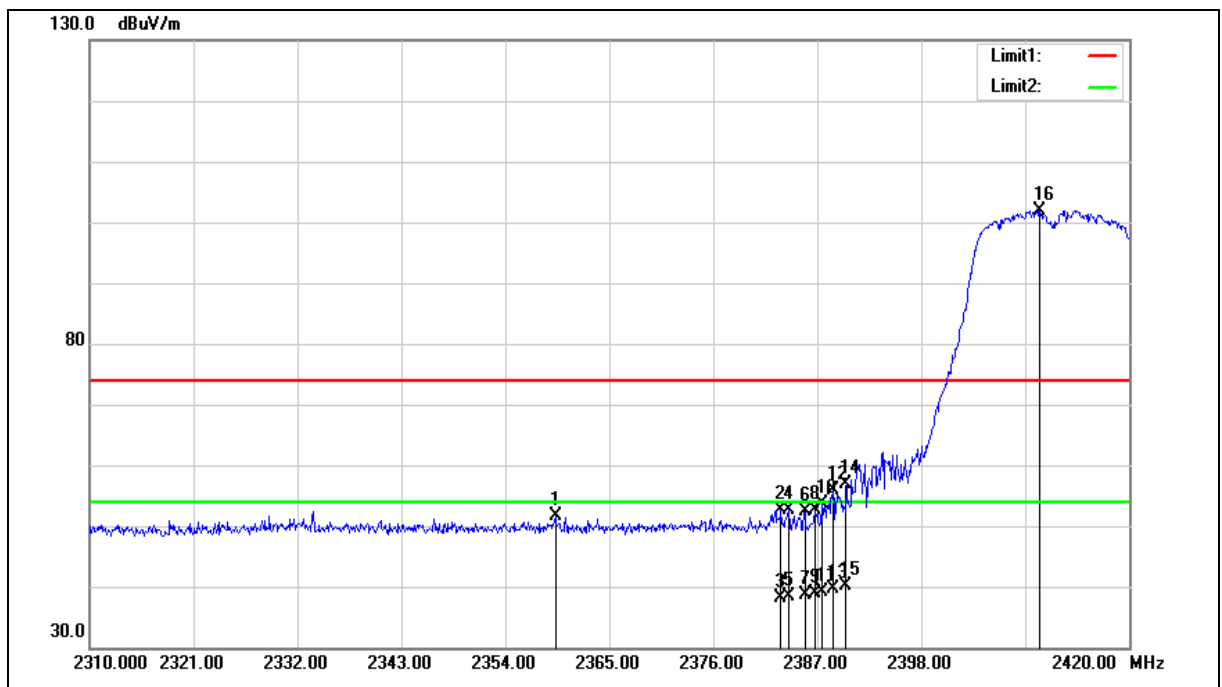
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2460.720           | 109.36            | -7.43                    | 101.93             | --                | --             | peak   |
| 2   | 2483.500           | 58.74             | -7.34                    | 51.40              | 74.00             | -22.60         | peak   |
| 3   | 2487.800           | 60.93             | -7.32                    | 53.61              | 74.00             | -20.39         | peak   |
| 4   | 2487.800           | 47.67             | -7.32                    | 40.35              | 54.00             | -13.65         | AVG    |
| 5   | 2492.960           | 60.02             | -7.30                    | 52.72              | 74.00             | -21.28         | peak   |
| 6   | 2492.960           | 46.29             | -7.30                    | 38.99              | 54.00             | -15.01         | AVG    |
| 7   | 2496.200           | 59.68             | -7.28                    | 52.40              | 74.00             | -21.60         | peak   |
| 8   | 2496.200           | 46.08             | -7.28                    | 38.80              | 54.00             | -15.20         | AVG    |

Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Band edge  |                |     |
| Frequency:  | 2412 MHz   |                |     |
| Mode:       | Mode 3     |                |     |
| Ant.Polar.: | Horizontal |                |     |



|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Band edge  |                |     |
| Frequency:  | 2412 MHz   |                |     |
| Mode:       | Mode 3     |                |     |
| Ant.Polar.: | Horizontal |                |     |

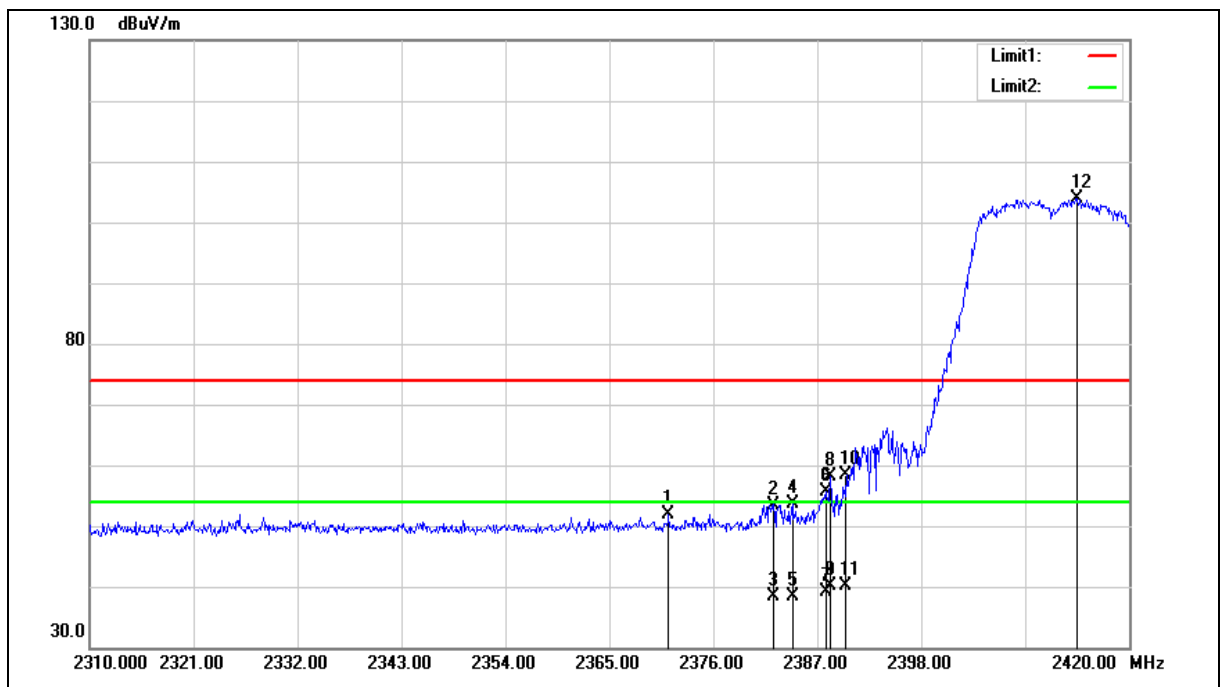
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2359.280           | 59.39             | -7.84                    | 51.55              | 74.00             | -22.45         | peak   |
| 2   | 2383.150           | 60.50             | -7.75                    | 52.75              | 74.00             | -21.25         | peak   |
| 3   | 2383.150           | 45.77             | -7.75                    | 38.02              | 54.00             | -15.98         | AVG    |
| 4   | 2384.030           | 60.50             | -7.75                    | 52.75              | 74.00             | -21.25         | peak   |
| 5   | 2384.030           | 46.02             | -7.75                    | 38.27              | 54.00             | -15.73         | AVG    |
| 6   | 2385.680           | 60.13             | -7.73                    | 52.40              | 74.00             | -21.60         | peak   |
| 7   | 2385.680           | 46.29             | -7.73                    | 38.56              | 54.00             | -15.44         | AVG    |
| 8   | 2386.780           | 60.26             | -7.73                    | 52.53              | 74.00             | -21.47         | peak   |
| 9   | 2386.780           | 46.60             | -7.73                    | 38.87              | 54.00             | -15.13         | AVG    |
| 10  | 2387.440           | 61.37             | -7.73                    | 53.64              | 74.00             | -20.36         | peak   |
| 11  | 2387.440           | 46.75             | -7.73                    | 39.02              | 54.00             | -14.98         | AVG    |
| 12  | 2388.650           | 63.58             | -7.72                    | 55.86              | 74.00             | -18.14         | peak   |
| 13  | 2388.650           | 47.27             | -7.72                    | 39.55              | 54.00             | -14.45         | AVG    |
| 14  | 2390.000           | 64.70             | -7.72                    | 56.98              | 74.00             | -17.02         | peak   |
| 15  | 2390.000           | 47.86             | -7.72                    | 40.14              | 54.00             | -13.86         | AVG    |
| 16  | 2410.540           | 109.55            | -7.64                    | 101.91             | --                | --             | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                |     |
|-------------|-----------|----------------|-----|
| Standard:   | LP0002    | Test Distance: | 3 m |
| Test item:  | Band edge |                |     |
| Frequency:  | 2412 MHz  |                |     |
| Mode:       | Mode 3    |                |     |
| Ant.Polar.: | Vertical  |                |     |



|             |           |                |     |
|-------------|-----------|----------------|-----|
| Standard:   | LP0002    | Test Distance: | 3 m |
| Test item:  | Band edge |                |     |
| Frequency:  | 2412 MHz  |                |     |
| Mode:       | Mode 3    |                |     |
| Ant.Polar.: | Vertical  |                |     |

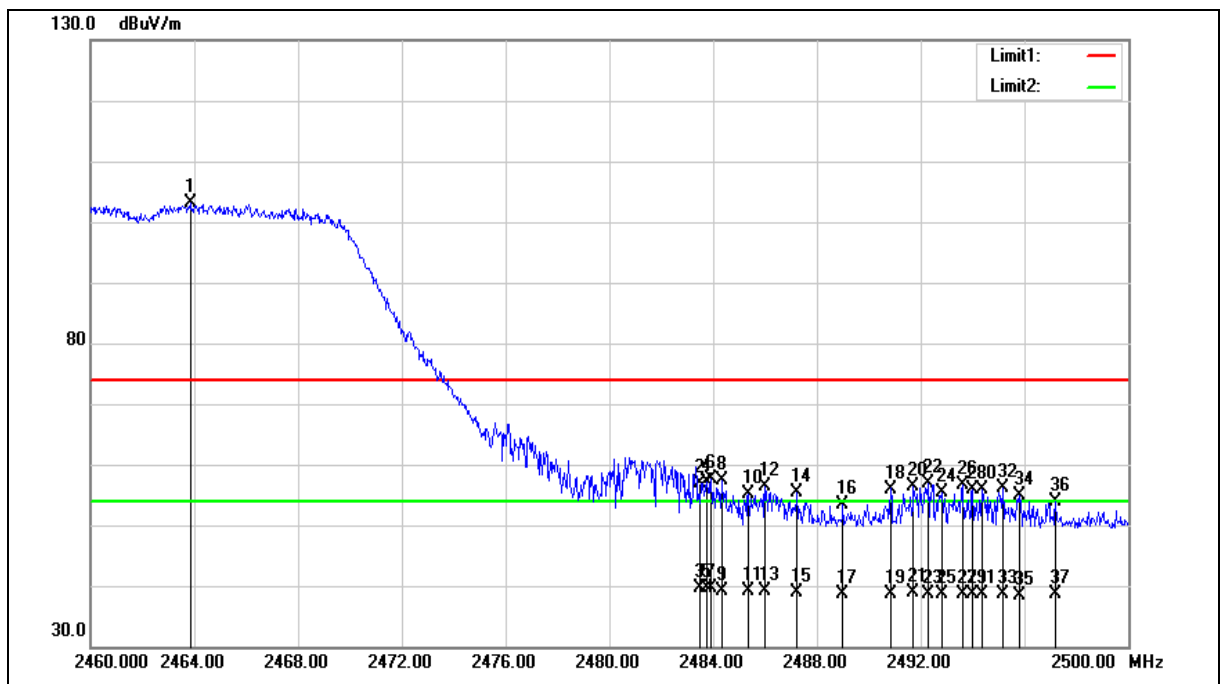
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2371.270           | 59.63             | -7.80                    | 51.83              | 74.00             | -22.17         | peak   |
| 2   | 2382.380           | 61.25             | -7.75                    | 53.50              | 74.00             | -20.50         | peak   |
| 3   | 2382.380           | 46.18             | -7.75                    | 38.43              | 54.00             | -15.57         | AVG    |
| 4   | 2384.360           | 61.42             | -7.75                    | 53.67              | 74.00             | -20.33         | peak   |
| 5   | 2384.360           | 46.21             | -7.75                    | 38.46              | 54.00             | -15.54         | AVG    |
| 6   | 2387.880           | 63.41             | -7.73                    | 55.68              | 74.00             | -18.32         | peak   |
| 7   | 2387.880           | 46.88             | -7.73                    | 39.15              | 54.00             | -14.85         | AVG    |
| 8   | 2388.320           | 65.97             | -7.73                    | 58.24              | 74.00             | -15.76         | peak   |
| 9   | 2388.320           | 47.89             | -7.73                    | 40.16              | 54.00             | -13.84         | AVG    |
| 10  | 2390.000           | 66.02             | -7.72                    | 58.30              | 74.00             | -15.70         | peak   |
| 11  | 2390.000           | 47.97             | -7.72                    | 40.25              | 54.00             | -13.75         | AVG    |
| 12  | 2414.500           | 111.58            | -7.62                    | 103.96             | --                | --             | peak   |

Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Band edge  |                |     |
| Frequency:  | 2462 MHz   |                |     |
| Mode:       | Mode 3     |                |     |
| Ant.Polar.: | Horizontal |                |     |



|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Band edge  |                |     |
| Frequency:  | 2462 MHz   |                |     |
| Mode:       | Mode 3     |                |     |
| Ant.Polar.: | Horizontal |                |     |

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2463.840           | 110.65            | -7.42                    | 103.23             | --                | --             | peak   |
| 2   | 2483.500           | 64.29             | -7.34                    | 56.95              | 74.00             | -17.05         | peak   |
| 3   | 2483.500           | 46.93             | -7.34                    | 39.59              | 54.00             | -14.41         | AVG    |
| 4   | 2483.760           | 64.54             | -7.34                    | 57.20              | 74.00             | -16.80         | peak   |
| 5   | 2483.760           | 46.90             | -7.34                    | 39.56              | 54.00             | -14.44         | AVG    |
| 6   | 2483.920           | 65.07             | -7.34                    | 57.73              | 74.00             | -16.27         | peak   |
| 7   | 2483.920           | 46.88             | -7.34                    | 39.54              | 54.00             | -14.46         | AVG    |
| 8   | 2484.320           | 64.76             | -7.34                    | 57.42              | 74.00             | -16.58         | peak   |
| 9   | 2484.320           | 46.59             | -7.34                    | 39.25              | 54.00             | -14.75         | AVG    |
| 10  | 2485.360           | 62.45             | -7.32                    | 55.13              | 74.00             | -18.87         | peak   |
| 11  | 2485.360           | 46.45             | -7.32                    | 39.13              | 54.00             | -14.87         | AVG    |
| 12  | 2486.000           | 63.61             | -7.32                    | 56.29              | 74.00             | -17.71         | peak   |
| 13  | 2486.000           | 46.49             | -7.32                    | 39.17              | 54.00             | -14.83         | AVG    |
| 14  | 2487.240           | 62.79             | -7.32                    | 55.47              | 74.00             | -18.53         | peak   |
| 15  | 2487.240           | 46.27             | -7.32                    | 38.95              | 54.00             | -15.05         | AVG    |
| 16  | 2489.000           | 60.66             | -7.31                    | 53.35              | 74.00             | -20.65         | peak   |
| 17  | 2489.000           | 46.03             | -7.31                    | 38.72              | 54.00             | -15.28         | AVG    |
| 18  | 2490.840           | 63.31             | -7.31                    | 56.00              | 74.00             | -18.00         | peak   |
| 19  | 2490.840           | 45.84             | -7.31                    | 38.53              | 54.00             | -15.47         | AVG    |
| 20  | 2491.720           | 63.60             | -7.30                    | 56.30              | 74.00             | -17.70         | peak   |
| 21  | 2491.720           | 46.06             | -7.30                    | 38.76              | 54.00             | -15.24         | AVG    |
| 22  | 2492.280           | 64.29             | -7.30                    | 56.99              | 74.00             | -17.01         | peak   |
| 23  | 2492.280           | 45.91             | -7.30                    | 38.61              | 54.00             | -15.39         | AVG    |

Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Band edge  |                |     |
| Frequency:  | 2462 MHz   |                |     |
| Mode:       | Mode 3     |                |     |
| Ant.Polar.: | Horizontal |                |     |

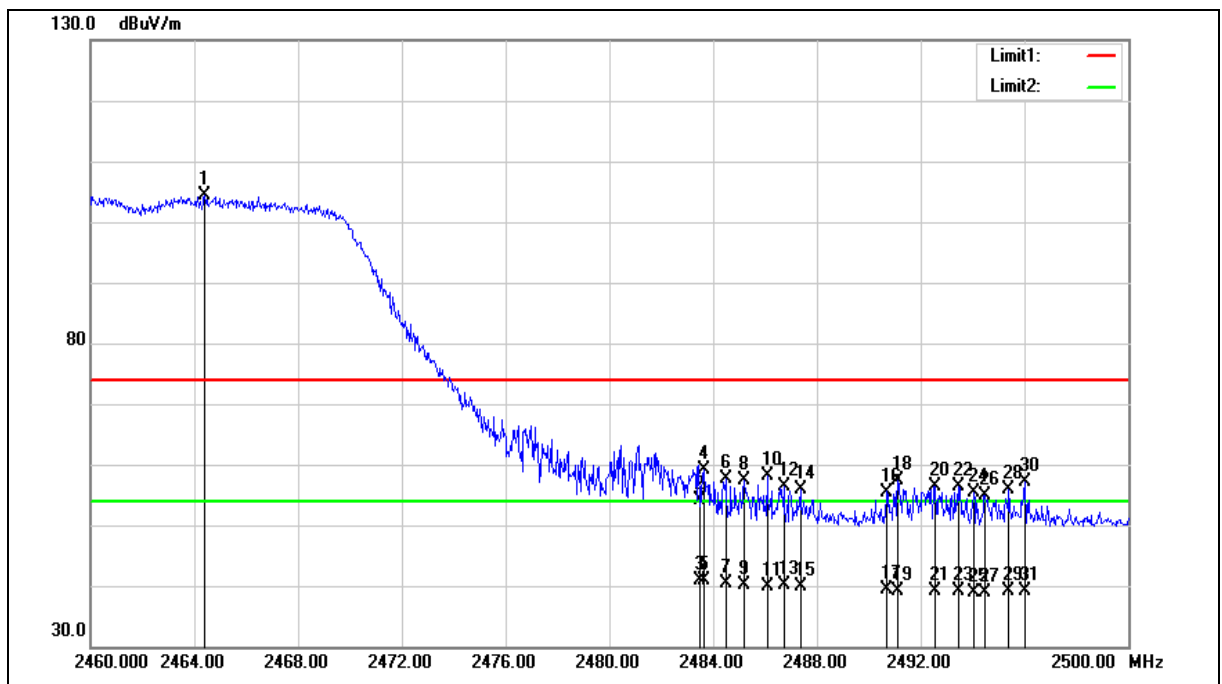
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 24  | 2492.840           | 62.56             | -7.30                    | 55.26              | 74.00             | -18.74         | peak   |
| 25  | 2492.840           | 45.90             | -7.30                    | 38.60              | 54.00             | -15.40         | AVG    |
| 26  | 2493.600           | 63.99             | -7.29                    | 56.70              | 74.00             | -17.30         | peak   |
| 27  | 2493.600           | 45.85             | -7.29                    | 38.56              | 54.00             | -15.44         | AVG    |
| 28  | 2494.000           | 63.15             | -7.29                    | 55.86              | 74.00             | -18.14         | peak   |
| 29  | 2494.000           | 45.86             | -7.29                    | 38.57              | 54.00             | -15.43         | AVG    |
| 30  | 2494.360           | 63.09             | -7.29                    | 55.80              | 74.00             | -18.20         | peak   |
| 31  | 2494.360           | 45.87             | -7.29                    | 38.58              | 54.00             | -15.42         | AVG    |
| 32  | 2495.160           | 63.40             | -7.28                    | 56.12              | 74.00             | -17.88         | peak   |
| 33  | 2495.160           | 45.90             | -7.28                    | 38.62              | 54.00             | -15.38         | AVG    |
| 34  | 2495.800           | 62.13             | -7.28                    | 54.85              | 74.00             | -19.15         | peak   |
| 35  | 2495.800           | 45.65             | -7.28                    | 38.37              | 54.00             | -15.63         | AVG    |
| 36  | 2497.200           | 61.07             | -7.28                    | 53.79              | 74.00             | -20.21         | peak   |
| 37  | 2497.200           | 45.92             | -7.28                    | 38.64              | 54.00             | -15.36         | AVG    |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                |     |
|-------------|-----------|----------------|-----|
| Standard:   | LP0002    | Test Distance: | 3 m |
| Test item:  | Band edge |                |     |
| Frequency:  | 2462 MHz  |                |     |
| Mode:       | Mode 3    |                |     |
| Ant.Polar.: | Vertical  |                |     |



|             |           |                |     |
|-------------|-----------|----------------|-----|
| Standard:   | LP0002    | Test Distance: | 3 m |
| Test item:  | Band edge |                |     |
| Frequency:  | 2462 MHz  |                |     |
| Mode:       | Mode 3    |                |     |
| Ant.Polar.: | Vertical  |                |     |

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2464.400           | 111.68            | -7.42                    | 104.26             | --                | --             | peak   |
| 2   | 2483.500           | 61.50             | -7.34                    | 54.16              | 74.00             | -19.84         | peak   |
| 3   | 2483.500           | 48.29             | -7.34                    | 40.95              | 54.00             | -13.05         | AVG    |
| 4   | 2483.640           | 66.35             | -7.34                    | 59.01              | 74.00             | -14.99         | peak   |
| 5   | 2483.640           | 48.30             | -7.34                    | 40.96              | 54.00             | -13.04         | AVG    |
| 6   | 2484.480           | 65.09             | -7.34                    | 57.75              | 74.00             | -16.25         | peak   |
| 7   | 2484.480           | 47.68             | -7.34                    | 40.34              | 54.00             | -13.66         | AVG    |
| 8   | 2485.200           | 64.83             | -7.33                    | 57.50              | 74.00             | -16.50         | peak   |
| 9   | 2485.200           | 47.55             | -7.33                    | 40.22              | 54.00             | -13.78         | AVG    |
| 10  | 2486.080           | 65.46             | -7.32                    | 58.14              | 74.00             | -15.86         | peak   |
| 11  | 2486.080           | 47.32             | -7.32                    | 40.00              | 54.00             | -14.00         | AVG    |
| 12  | 2486.720           | 63.78             | -7.32                    | 56.46              | 74.00             | -17.54         | peak   |
| 13  | 2486.720           | 47.44             | -7.32                    | 40.12              | 54.00             | -13.88         | AVG    |
| 14  | 2487.360           | 63.12             | -7.32                    | 55.80              | 74.00             | -18.20         | peak   |
| 15  | 2487.360           | 47.29             | -7.32                    | 39.97              | 54.00             | -14.03         | AVG    |
| 16  | 2490.680           | 62.81             | -7.31                    | 55.50              | 74.00             | -18.50         | peak   |
| 17  | 2490.680           | 46.61             | -7.31                    | 39.30              | 54.00             | -14.70         | AVG    |
| 18  | 2491.120           | 64.63             | -7.31                    | 57.32              | 74.00             | -16.68         | peak   |
| 19  | 2491.120           | 46.49             | -7.31                    | 39.18              | 54.00             | -14.82         | AVG    |
| 20  | 2492.560           | 63.80             | -7.30                    | 56.50              | 74.00             | -17.50         | peak   |
| 21  | 2492.560           | 46.48             | -7.30                    | 39.18              | 54.00             | -14.82         | AVG    |
| 22  | 2493.440           | 63.78             | -7.29                    | 56.49              | 74.00             | -17.51         | peak   |
| 23  | 2493.440           | 46.43             | -7.29                    | 39.14              | 54.00             | -14.86         | AVG    |

Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                |     |
|-------------|-----------|----------------|-----|
| Standard:   | LP0002    | Test Distance: | 3 m |
| Test item:  | Band edge |                |     |
| Frequency:  | 2462 MHz  |                |     |
| Mode:       | Mode 3    |                |     |
| Ant.Polar.: | Vertical  |                |     |

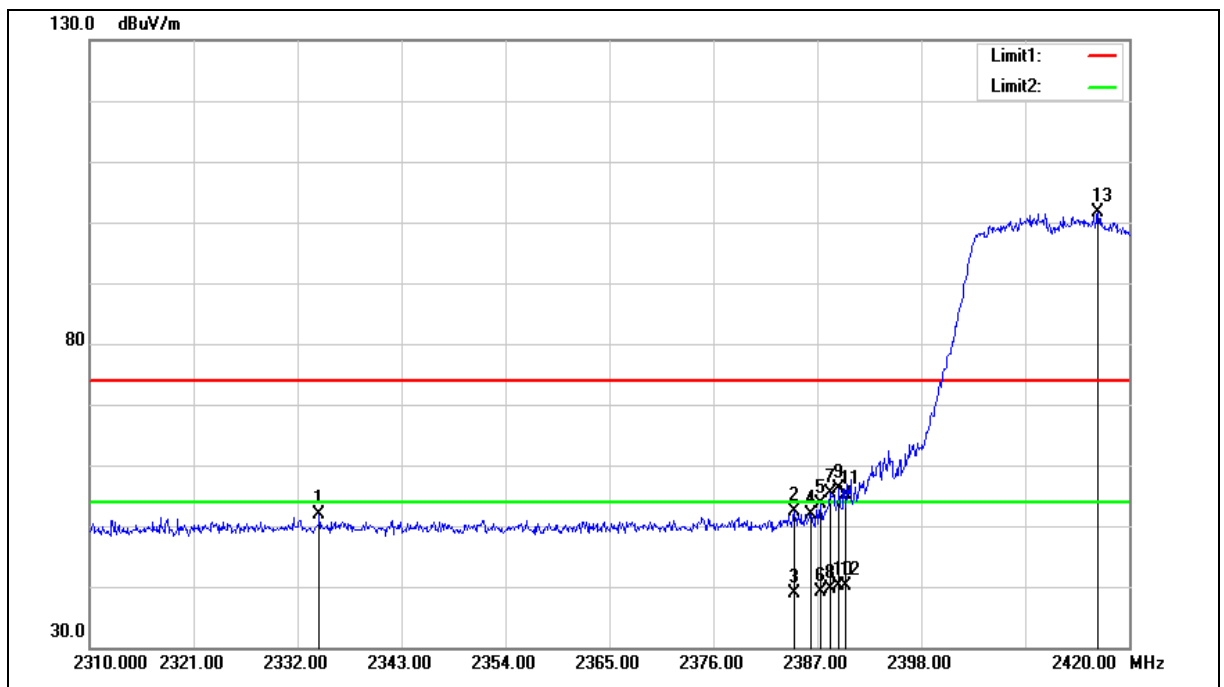
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 24  | 2494.040           | 62.64             | -7.29                    | 55.35              | 74.00             | -18.65         | peak   |
| 25  | 2494.040           | 46.28             | -7.29                    | 38.99              | 54.00             | -15.01         | AVG    |
| 26  | 2494.480           | 62.27             | -7.29                    | 54.98              | 74.00             | -19.02         | peak   |
| 27  | 2494.480           | 46.22             | -7.29                    | 38.93              | 54.00             | -15.07         | AVG    |
| 28  | 2495.400           | 63.08             | -7.28                    | 55.80              | 74.00             | -18.20         | peak   |
| 29  | 2495.400           | 46.29             | -7.28                    | 39.01              | 54.00             | -14.99         | AVG    |
| 30  | 2496.000           | 64.43             | -7.28                    | 57.15              | 74.00             | -16.85         | peak   |
| 31  | 2496.000           | 46.40             | -7.28                    | 39.12              | 54.00             | -14.88         | AVG    |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Band edge  |                |     |
| Frequency:  | 2412 MHz   |                |     |
| Mode:       | Mode 4     |                |     |
| Ant.Polar.: | Horizontal |                |     |



|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Band edge  |                |     |
| Frequency:  | 2412 MHz   |                |     |
| Mode:       | Mode 4     |                |     |
| Ant.Polar.: | Horizontal |                |     |

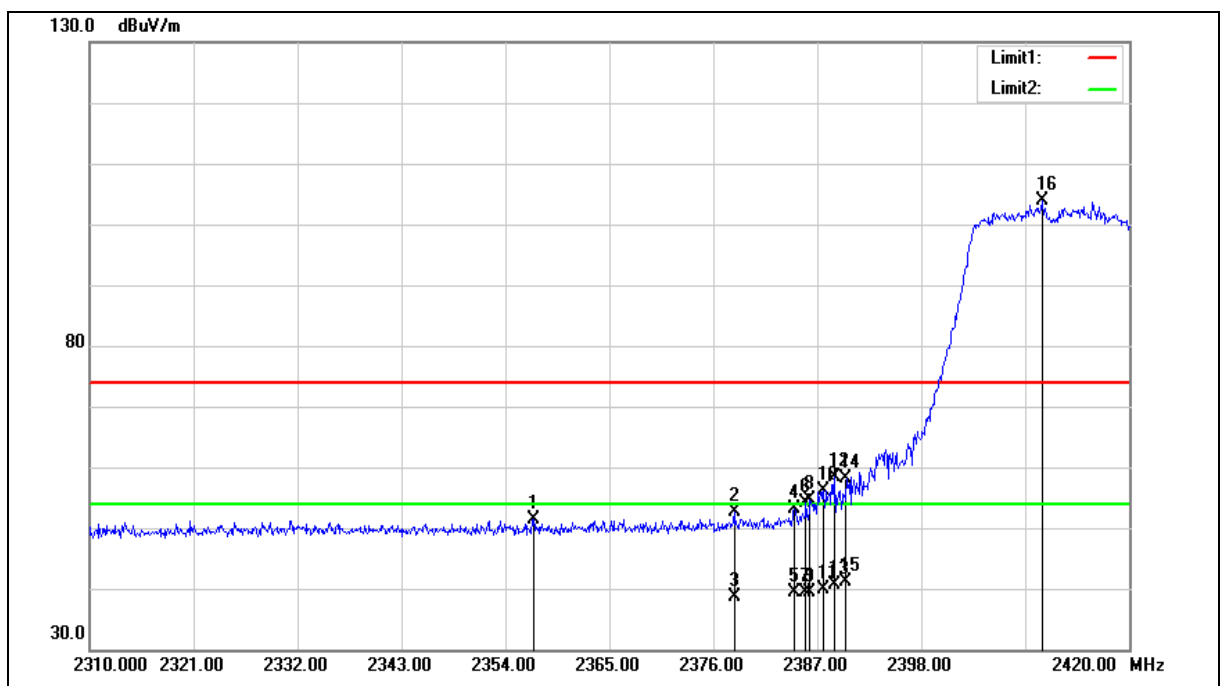
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2334.310           | 59.91             | -7.95                    | 51.96              | 74.00             | -22.04         | peak   |
| 2   | 2384.580           | 60.17             | -7.75                    | 52.42              | 74.00             | -21.58         | peak   |
| 3   | 2384.580           | 46.66             | -7.75                    | 38.91              | 54.00             | -15.09         | AVG    |
| 4   | 2386.340           | 59.67             | -7.73                    | 51.94              | 74.00             | -22.06         | peak   |
| 5   | 2387.330           | 61.48             | -7.73                    | 53.75              | 74.00             | -20.25         | peak   |
| 6   | 2387.330           | 46.84             | -7.73                    | 39.11              | 54.00             | -14.89         | AVG    |
| 7   | 2388.320           | 63.06             | -7.73                    | 55.33              | 74.00             | -18.67         | peak   |
| 8   | 2388.320           | 47.29             | -7.73                    | 39.56              | 54.00             | -14.44         | AVG    |
| 9   | 2389.310           | 63.77             | -7.72                    | 56.05              | 74.00             | -17.95         | peak   |
| 10  | 2389.310           | 47.83             | -7.72                    | 40.11              | 54.00             | -13.89         | AVG    |
| 11  | 2390.000           | 62.93             | -7.72                    | 55.21              | 74.00             | -18.79         | peak   |
| 12  | 2390.000           | 47.91             | -7.72                    | 40.19              | 54.00             | -13.81         | AVG    |
| 13  | 2416.700           | 109.12            | -7.61                    | 101.51             | --                | --             | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                |     |
|-------------|-----------|----------------|-----|
| Standard:   | LP0002    | Test Distance: | 3 m |
| Test item:  | Band edge |                |     |
| Frequency:  | 2412 MHz  |                |     |
| Mode:       | Mode 4    |                |     |
| Ant.Polar.: | Vertical  |                |     |



|             |           |                |     |
|-------------|-----------|----------------|-----|
| Standard:   | LP0002    | Test Distance: | 3 m |
| Test item:  | Band edge |                |     |
| Frequency:  | 2412 MHz  |                |     |
| Mode:       | Mode 4    |                |     |
| Ant.Polar.: | Vertical  |                |     |

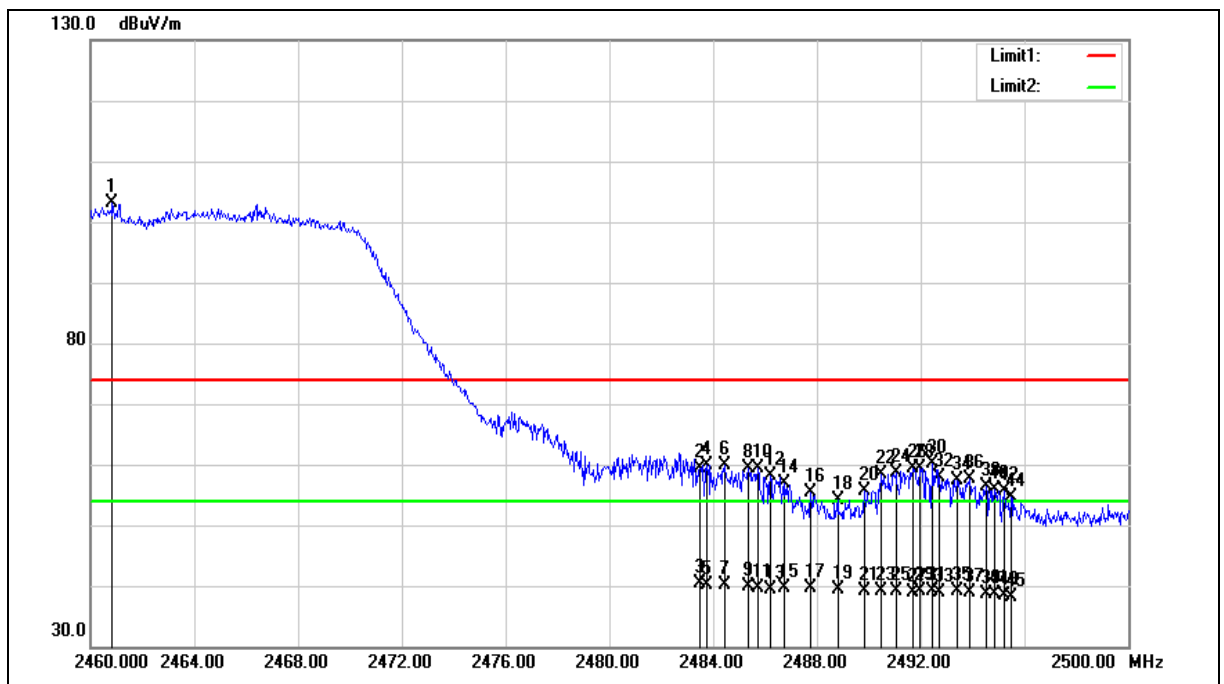
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2356.970           | 59.19             | -7.86                    | 51.33              | 74.00             | -22.67         | peak   |
| 2   | 2378.200           | 60.38             | -7.77                    | 52.61              | 74.00             | -21.39         | peak   |
| 3   | 2378.200           | 46.30             | -7.77                    | 38.53              | 54.00             | -15.47         | AVG    |
| 4   | 2384.580           | 60.89             | -7.75                    | 53.14              | 74.00             | -20.86         | peak   |
| 5   | 2384.580           | 47.06             | -7.75                    | 39.31              | 54.00             | -14.69         | AVG    |
| 6   | 2385.790           | 61.90             | -7.73                    | 54.17              | 74.00             | -19.83         | peak   |
| 7   | 2385.790           | 47.05             | -7.73                    | 39.32              | 54.00             | -14.68         | AVG    |
| 8   | 2386.230           | 62.34             | -7.73                    | 54.61              | 74.00             | -19.39         | peak   |
| 9   | 2386.230           | 47.17             | -7.73                    | 39.44              | 54.00             | -14.56         | AVG    |
| 10  | 2387.660           | 63.84             | -7.73                    | 56.11              | 74.00             | -17.89         | peak   |
| 11  | 2387.660           | 47.60             | -7.73                    | 39.87              | 54.00             | -14.13         | AVG    |
| 12  | 2388.870           | 66.19             | -7.72                    | 58.47              | 74.00             | -15.53         | peak   |
| 13  | 2388.870           | 48.24             | -7.72                    | 40.52              | 54.00             | -13.48         | AVG    |
| 14  | 2390.000           | 65.90             | -7.72                    | 58.18              | 74.00             | -15.82         | peak   |
| 15  | 2390.000           | 48.85             | -7.72                    | 41.13              | 54.00             | -12.87         | AVG    |
| 16  | 2410.760           | 111.41            | -7.64                    | 103.77             | --                | --             | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Band edge  |                |     |
| Frequency:  | 2462 MHz   |                |     |
| Mode:       | Mode 4     |                |     |
| Ant.Polar.: | Horizontal |                |     |



|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Band edge  |                |     |
| Frequency:  | 2462 MHz   |                |     |
| Mode:       | Mode 4     |                |     |
| Ant.Polar.: | Horizontal |                |     |

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2460.840           | 110.58            | -7.43                    | 103.15             | --                | --             | peak   |
| 2   | 2483.500           | 66.60             | -7.34                    | 59.26              | 74.00             | -14.74         | peak   |
| 3   | 2483.500           | 47.64             | -7.34                    | 40.30              | 54.00             | -13.70         | AVG    |
| 4   | 2483.760           | 67.33             | -7.34                    | 59.99              | 74.00             | -14.01         | peak   |
| 5   | 2483.760           | 47.48             | -7.34                    | 40.14              | 54.00             | -13.86         | AVG    |
| 6   | 2484.440           | 67.11             | -7.34                    | 59.77              | 74.00             | -14.23         | peak   |
| 7   | 2484.440           | 47.50             | -7.34                    | 40.16              | 54.00             | -13.84         | AVG    |
| 8   | 2485.360           | 66.71             | -7.32                    | 59.39              | 74.00             | -14.61         | peak   |
| 9   | 2485.360           | 47.25             | -7.32                    | 39.93              | 54.00             | -14.07         | AVG    |
| 10  | 2485.720           | 66.58             | -7.32                    | 59.26              | 74.00             | -14.74         | peak   |
| 11  | 2485.720           | 46.85             | -7.32                    | 39.53              | 54.00             | -14.47         | AVG    |
| 12  | 2486.200           | 65.40             | -7.32                    | 58.08              | 74.00             | -15.92         | peak   |
| 13  | 2486.200           | 46.75             | -7.32                    | 39.43              | 54.00             | -14.57         | AVG    |
| 14  | 2486.760           | 64.12             | -7.32                    | 56.80              | 74.00             | -17.20         | peak   |
| 15  | 2486.760           | 47.01             | -7.32                    | 39.69              | 54.00             | -14.31         | AVG    |
| 16  | 2487.760           | 62.63             | -7.32                    | 55.31              | 74.00             | -18.69         | peak   |
| 17  | 2487.760           | 46.83             | -7.32                    | 39.51              | 54.00             | -14.49         | AVG    |
| 18  | 2488.800           | 61.56             | -7.31                    | 54.25              | 74.00             | -19.75         | peak   |
| 19  | 2488.800           | 46.77             | -7.31                    | 39.46              | 54.00             | -14.54         | AVG    |
| 20  | 2489.840           | 62.95             | -7.31                    | 55.64              | 74.00             | -18.36         | peak   |
| 21  | 2489.840           | 46.54             | -7.31                    | 39.23              | 54.00             | -14.77         | AVG    |
| 22  | 2490.480           | 65.59             | -7.31                    | 58.28              | 74.00             | -15.72         | peak   |
| 23  | 2490.480           | 46.46             | -7.31                    | 39.15              | 54.00             | -14.85         | AVG    |

Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Band edge  |                |     |
| Frequency:  | 2462 MHz   |                |     |
| Mode:       | Mode 4     |                |     |
| Ant.Polar.: | Horizontal |                |     |

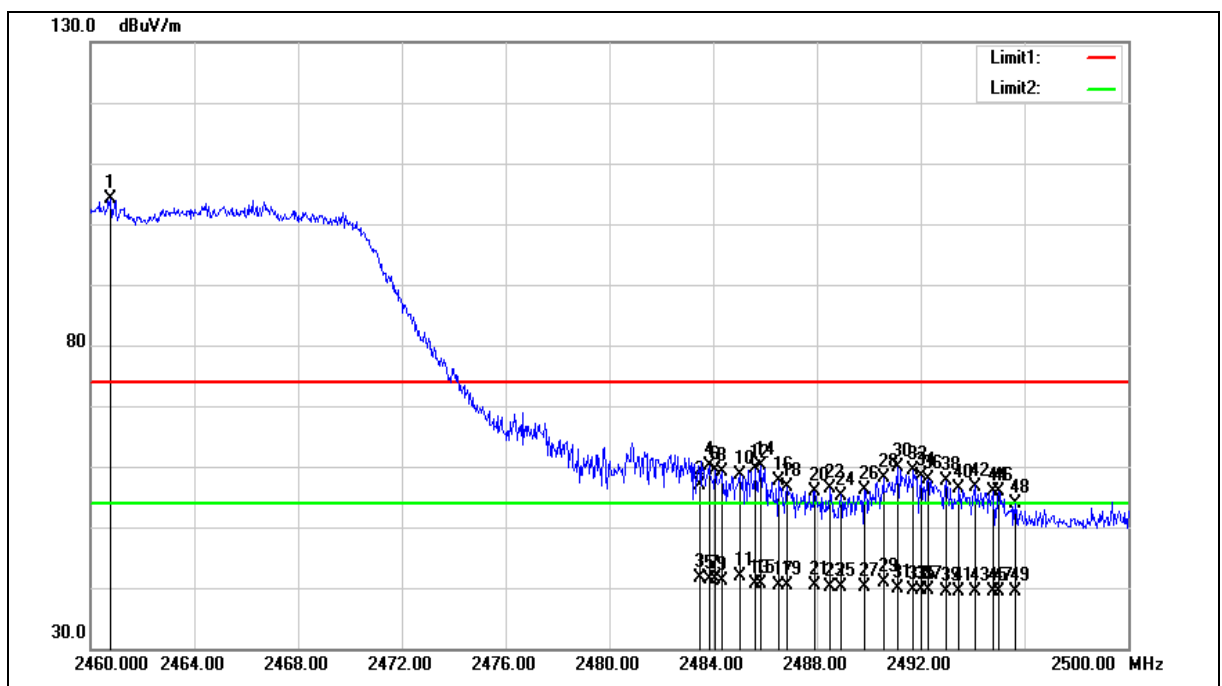
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 24  | 2491.040           | 65.84             | -7.31                    | 58.53              | 74.00             | -15.47         | peak   |
| 25  | 2491.040           | 46.35             | -7.31                    | 39.04              | 54.00             | -14.96         | AVG    |
| 26  | 2491.720           | 66.58             | -7.30                    | 59.28              | 74.00             | -14.72         | peak   |
| 27  | 2491.720           | 46.24             | -7.30                    | 38.94              | 54.00             | -15.06         | AVG    |
| 28  | 2491.960           | 66.67             | -7.30                    | 59.37              | 74.00             | -14.63         | peak   |
| 29  | 2491.960           | 46.39             | -7.30                    | 39.09              | 54.00             | -14.91         | AVG    |
| 30  | 2492.440           | 67.36             | -7.30                    | 60.06              | 74.00             | -13.94         | peak   |
| 31  | 2492.440           | 46.46             | -7.30                    | 39.16              | 54.00             | -14.84         | AVG    |
| 32  | 2492.720           | 65.17             | -7.30                    | 57.87              | 74.00             | -16.13         | peak   |
| 33  | 2492.720           | 46.29             | -7.30                    | 38.99              | 54.00             | -15.01         | AVG    |
| 34  | 2493.400           | 64.64             | -7.29                    | 57.35              | 74.00             | -16.65         | peak   |
| 35  | 2493.400           | 46.53             | -7.29                    | 39.24              | 54.00             | -14.76         | AVG    |
| 36  | 2493.880           | 64.92             | -7.29                    | 57.63              | 74.00             | -16.37         | peak   |
| 37  | 2493.880           | 46.21             | -7.29                    | 38.92              | 54.00             | -15.08         | AVG    |
| 38  | 2494.520           | 63.63             | -7.29                    | 56.34              | 74.00             | -17.66         | peak   |
| 39  | 2494.520           | 45.93             | -7.29                    | 38.64              | 54.00             | -15.36         | AVG    |
| 40  | 2494.840           | 63.10             | -7.29                    | 55.81              | 74.00             | -18.19         | peak   |
| 41  | 2494.840           | 45.80             | -7.29                    | 38.51              | 54.00             | -15.49         | AVG    |
| 42  | 2495.240           | 62.92             | -7.28                    | 55.64              | 74.00             | -18.36         | peak   |
| 43  | 2495.240           | 45.72             | -7.28                    | 38.44              | 54.00             | -15.56         | AVG    |
| 44  | 2495.480           | 61.85             | -7.28                    | 54.57              | 74.00             | -19.43         | peak   |
| 45  | 2495.480           | 45.51             | -7.28                    | 38.23              | 54.00             | -15.77         | AVG    |

Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                |     |
|-------------|-----------|----------------|-----|
| Standard:   | LP0002    | Test Distance: | 3 m |
| Test item:  | Band edge |                |     |
| Frequency:  | 2462 MHz  |                |     |
| Mode:       | Mode 4    |                |     |
| Ant.Polar.: | Vertical  |                |     |



|             |           |                |     |
|-------------|-----------|----------------|-----|
| Standard:   | LP0002    | Test Distance: | 3 m |
| Test item:  | Band edge |                |     |
| Frequency:  | 2462 MHz  |                |     |
| Mode:       | Mode 4    |                |     |
| Ant.Polar.: | Vertical  |                |     |

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2460.760           | 111.59            | -7.43                    | 104.16             | --                | --             | peak   |
| 2   | 2483.500           | 64.13             | -7.34                    | 56.79              | 74.00             | -17.21         | peak   |
| 3   | 2483.500           | 48.88             | -7.34                    | 41.54              | 54.00             | -12.46         | AVG    |
| 4   | 2483.840           | 67.42             | -7.34                    | 60.08              | 74.00             | -13.92         | peak   |
| 5   | 2483.840           | 48.76             | -7.34                    | 41.42              | 54.00             | -12.58         | AVG    |
| 6   | 2484.080           | 66.77             | -7.34                    | 59.43              | 74.00             | -14.57         | peak   |
| 7   | 2484.080           | 48.70             | -7.34                    | 41.36              | 54.00             | -12.64         | AVG    |
| 8   | 2484.360           | 66.37             | -7.34                    | 59.03              | 74.00             | -14.97         | peak   |
| 9   | 2484.360           | 48.57             | -7.34                    | 41.23              | 54.00             | -12.77         | AVG    |
| 10  | 2485.040           | 65.98             | -7.33                    | 58.65              | 74.00             | -15.35         | peak   |
| 11  | 2485.040           | 49.31             | -7.33                    | 41.98              | 54.00             | -12.02         | AVG    |
| 12  | 2485.640           | 66.87             | -7.32                    | 59.55              | 74.00             | -14.45         | peak   |
| 13  | 2485.640           | 48.02             | -7.32                    | 40.70              | 54.00             | -13.30         | AVG    |
| 14  | 2485.840           | 67.45             | -7.32                    | 60.13              | 74.00             | -13.87         | peak   |
| 15  | 2485.840           | 47.85             | -7.32                    | 40.53              | 54.00             | -13.47         | AVG    |
| 16  | 2486.520           | 64.86             | -7.32                    | 57.54              | 74.00             | -16.46         | peak   |
| 17  | 2486.520           | 47.62             | -7.32                    | 40.30              | 54.00             | -13.70         | AVG    |
| 18  | 2486.840           | 63.95             | -7.32                    | 56.63              | 74.00             | -17.37         | peak   |
| 19  | 2486.840           | 47.67             | -7.32                    | 40.35              | 54.00             | -13.65         | AVG    |
| 20  | 2487.920           | 63.31             | -7.32                    | 55.99              | 74.00             | -18.01         | peak   |
| 21  | 2487.920           | 47.66             | -7.32                    | 40.34              | 54.00             | -13.66         | AVG    |
| 22  | 2488.520           | 63.59             | -7.31                    | 56.28              | 74.00             | -17.72         | peak   |
| 23  | 2488.520           | 47.50             | -7.31                    | 40.19              | 54.00             | -13.81         | AVG    |

Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                |     |
|-------------|-----------|----------------|-----|
| Standard:   | LP0002    | Test Distance: | 3 m |
| Test item:  | Band edge |                |     |
| Frequency:  | 2462 MHz  |                |     |
| Mode:       | Mode 4    |                |     |
| Ant.Polar.: | Vertical  |                |     |

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 24  | 2488.920           | 62.56             | -7.31                    | 55.25              | 74.00             | -18.75         | peak   |
| 25  | 2488.920           | 47.41             | -7.31                    | 40.10              | 54.00             | -13.90         | AVG    |
| 26  | 2489.840           | 63.40             | -7.31                    | 56.09              | 74.00             | -17.91         | peak   |
| 27  | 2489.840           | 47.35             | -7.31                    | 40.04              | 54.00             | -13.96         | AVG    |
| 28  | 2490.560           | 65.43             | -7.31                    | 58.12              | 74.00             | -15.88         | peak   |
| 29  | 2490.560           | 48.30             | -7.31                    | 40.99              | 54.00             | -13.01         | AVG    |
| 30  | 2491.120           | 67.13             | -7.31                    | 59.82              | 74.00             | -14.18         | peak   |
| 31  | 2491.120           | 47.26             | -7.31                    | 39.95              | 54.00             | -14.05         | AVG    |
| 32  | 2491.720           | 66.66             | -7.30                    | 59.36              | 74.00             | -14.64         | peak   |
| 33  | 2491.720           | 47.03             | -7.30                    | 39.73              | 54.00             | -14.27         | AVG    |
| 34  | 2492.040           | 65.65             | -7.30                    | 58.35              | 74.00             | -15.65         | peak   |
| 35  | 2492.040           | 46.82             | -7.30                    | 39.52              | 54.00             | -14.48         | AVG    |
| 36  | 2492.280           | 65.11             | -7.30                    | 57.81              | 74.00             | -16.19         | peak   |
| 37  | 2492.280           | 46.97             | -7.30                    | 39.67              | 54.00             | -14.33         | AVG    |
| 38  | 2493.000           | 64.89             | -7.30                    | 57.59              | 74.00             | -16.41         | peak   |
| 39  | 2493.000           | 46.76             | -7.30                    | 39.46              | 54.00             | -14.54         | AVG    |
| 40  | 2493.480           | 63.70             | -7.29                    | 56.41              | 74.00             | -17.59         | peak   |
| 41  | 2493.480           | 46.72             | -7.29                    | 39.43              | 54.00             | -14.57         | AVG    |
| 42  | 2494.080           | 64.04             | -7.29                    | 56.75              | 74.00             | -17.25         | peak   |
| 43  | 2494.080           | 46.79             | -7.29                    | 39.50              | 54.00             | -14.50         | AVG    |
| 44  | 2494.800           | 63.23             | -7.29                    | 55.94              | 74.00             | -18.06         | peak   |
| 45  | 2494.800           | 46.78             | -7.29                    | 39.49              | 54.00             | -14.51         | AVG    |
| 46  | 2495.000           | 63.16             | -7.29                    | 55.87              | 74.00             | -18.13         | peak   |

Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                |     |
|-------------|-----------|----------------|-----|
| Standard:   | LP0002    | Test Distance: | 3 m |
| Test item:  | Band edge |                |     |
| Frequency:  | 2462 MHz  |                |     |
| Mode:       | Mode 4    |                |     |
| Ant.Polar.: | Vertical  |                |     |

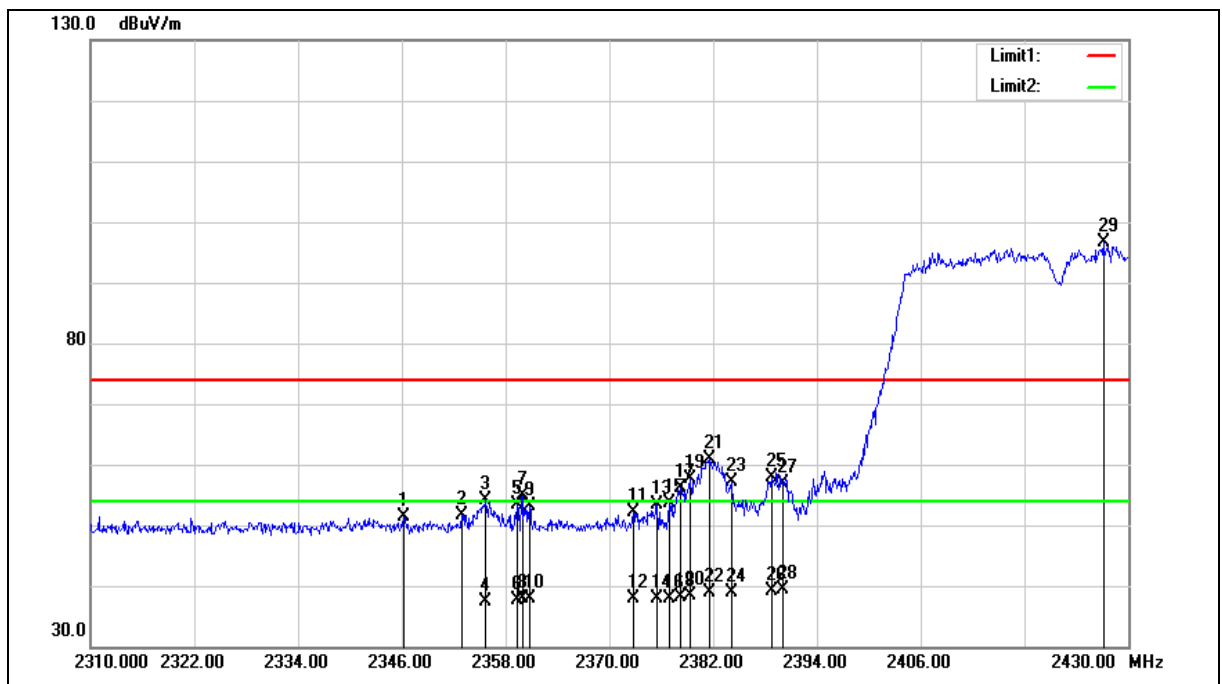
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 47  | 2495.000           | 46.64             | -7.29                    | 39.35              | 54.00             | -14.65         | AVG    |
| 48  | 2495.640           | 61.12             | -7.28                    | 53.84              | 74.00             | -20.16         | peak   |
| 49  | 2495.640           | 46.57             | -7.28                    | 39.29              | 54.00             | -14.71         | AVG    |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Band edge  |                |     |
| Frequency:  | 2422 MHz   |                |     |
| Mode:       | Mode 5     |                |     |
| Ant.Polar.: | Horizontal |                |     |



|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Band edge  |                |     |
| Frequency:  | 2422 MHz   |                |     |
| Mode:       | Mode 5     |                |     |
| Ant.Polar.: | Horizontal |                |     |

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2346.240           | 59.17             | -7.89                    | 51.28              | 74.00             | -22.72         | peak   |
| 2   | 2352.960           | 59.57             | -7.87                    | 51.70              | 74.00             | -22.30         | peak   |
| 3   | 2355.720           | 61.88             | -7.86                    | 54.02              | 74.00             | -19.98         | peak   |
| 4   | 2355.720           | 45.34             | -7.86                    | 37.48              | 54.00             | -16.52         | AVG    |
| 5   | 2359.320           | 61.15             | -7.84                    | 53.31              | 74.00             | -20.69         | peak   |
| 6   | 2359.320           | 45.58             | -7.84                    | 37.74              | 54.00             | -16.26         | AVG    |
| 7   | 2359.920           | 62.77             | -7.84                    | 54.93              | 74.00             | -19.07         | peak   |
| 8   | 2359.920           | 45.67             | -7.84                    | 37.83              | 54.00             | -16.17         | AVG    |
| 9   | 2360.760           | 61.08             | -7.84                    | 53.24              | 74.00             | -20.76         | peak   |
| 10  | 2360.760           | 45.64             | -7.84                    | 37.80              | 54.00             | -16.20         | AVG    |
| 11  | 2372.760           | 59.83             | -7.78                    | 52.05              | 74.00             | -21.95         | peak   |
| 12  | 2372.760           | 45.55             | -7.78                    | 37.77              | 54.00             | -16.23         | AVG    |
| 13  | 2375.520           | 61.24             | -7.77                    | 53.47              | 74.00             | -20.53         | peak   |
| 14  | 2375.520           | 45.69             | -7.77                    | 37.92              | 54.00             | -16.08         | AVG    |
| 15  | 2376.960           | 61.36             | -7.77                    | 53.59              | 74.00             | -20.41         | peak   |
| 16  | 2376.960           | 45.71             | -7.77                    | 37.94              | 54.00             | -16.06         | AVG    |
| 17  | 2378.280           | 63.81             | -7.77                    | 56.04              | 74.00             | -17.96         | peak   |
| 18  | 2378.280           | 46.01             | -7.77                    | 38.24              | 54.00             | -15.76         | AVG    |
| 19  | 2379.360           | 65.37             | -7.76                    | 57.61              | 74.00             | -16.39         | peak   |
| 20  | 2379.360           | 46.06             | -7.76                    | 38.30              | 54.00             | -15.70         | AVG    |
| 21  | 2381.640           | 68.61             | -7.76                    | 60.85              | 74.00             | -13.15         | peak   |
| 22  | 2381.640           | 46.65             | -7.76                    | 38.89              | 54.00             | -15.11         | AVG    |
| 23  | 2384.160           | 65.00             | -7.75                    | 57.25              | 74.00             | -16.75         | peak   |

Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Band edge  |                |     |
| Frequency:  | 2422 MHz   |                |     |
| Mode:       | Mode 5     |                |     |
| Ant.Polar.: | Horizontal |                |     |

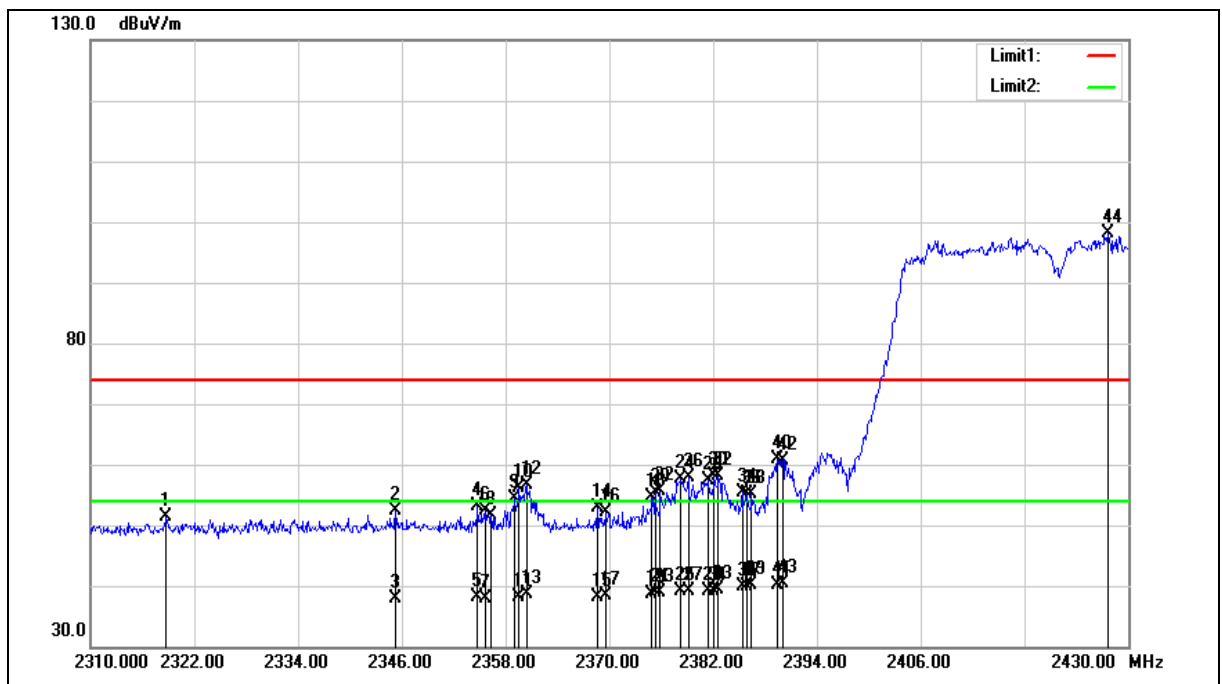
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 24  | 2384.160           | 46.66             | -7.75                    | 38.91              | 54.00             | -15.09         | AVG    |
| 25  | 2388.720           | 65.66             | -7.72                    | 57.94              | 74.00             | -16.06         | peak   |
| 26  | 2388.720           | 46.73             | -7.72                    | 39.01              | 54.00             | -14.99         | AVG    |
| 27  | 2390.000           | 64.57             | -7.72                    | 56.85              | 74.00             | -17.15         | peak   |
| 28  | 2390.000           | 47.02             | -7.72                    | 39.30              | 54.00             | -14.70         | AVG    |
| 29  | 2427.120           | 104.16            | -7.56                    | 96.60              | --                | --             | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                |     |
|-------------|-----------|----------------|-----|
| Standard:   | LP0002    | Test Distance: | 3 m |
| Test item:  | Band edge |                |     |
| Frequency:  | 2422 MHz  |                |     |
| Mode:       | Mode 5    |                |     |
| Ant.Polar.: | Vertical  |                |     |



|             |           |                |     |
|-------------|-----------|----------------|-----|
| Standard:   | LP0002    | Test Distance: | 3 m |
| Test item:  | Band edge |                |     |
| Frequency:  | 2422 MHz  |                |     |
| Mode:       | Mode 5    |                |     |
| Ant.Polar.: | Vertical  |                |     |

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2318.760           | 59.40             | -8.00                    | 51.40              | 74.00             | -22.60         | peak   |
| 2   | 2345.280           | 60.25             | -7.89                    | 52.36              | 74.00             | -21.64         | peak   |
| 3   | 2345.280           | 45.76             | -7.89                    | 37.87              | 54.00             | -16.13         | AVG    |
| 4   | 2354.760           | 61.07             | -7.87                    | 53.20              | 74.00             | -20.80         | peak   |
| 5   | 2354.760           | 45.89             | -7.87                    | 38.02              | 54.00             | -15.98         | AVG    |
| 6   | 2355.600           | 60.16             | -7.86                    | 52.30              | 74.00             | -21.70         | peak   |
| 7   | 2355.600           | 45.79             | -7.86                    | 37.93              | 54.00             | -16.07         | AVG    |
| 8   | 2356.320           | 59.61             | -7.86                    | 51.75              | 74.00             | -22.25         | peak   |
| 9   | 2359.080           | 62.28             | -7.84                    | 54.44              | 74.00             | -19.56         | peak   |
| 10  | 2359.560           | 63.88             | -7.84                    | 56.04              | 74.00             | -17.96         | peak   |
| 11  | 2359.560           | 46.02             | -7.84                    | 38.18              | 54.00             | -15.82         | AVG    |
| 12  | 2360.400           | 64.51             | -7.84                    | 56.67              | 74.00             | -17.33         | peak   |
| 13  | 2360.400           | 46.40             | -7.84                    | 38.56              | 54.00             | -15.44         | AVG    |
| 14  | 2368.680           | 60.60             | -7.80                    | 52.80              | 74.00             | -21.20         | peak   |
| 15  | 2368.680           | 46.00             | -7.80                    | 38.20              | 54.00             | -15.80         | AVG    |
| 16  | 2369.640           | 60.03             | -7.80                    | 52.23              | 74.00             | -21.77         | peak   |
| 17  | 2369.640           | 46.23             | -7.80                    | 38.43              | 54.00             | -15.57         | AVG    |
| 18  | 2374.920           | 62.36             | -7.78                    | 54.58              | 74.00             | -19.42         | peak   |
| 19  | 2374.920           | 46.34             | -7.78                    | 38.56              | 54.00             | -15.44         | AVG    |
| 20  | 2375.280           | 63.04             | -7.77                    | 55.27              | 74.00             | -18.73         | peak   |
| 21  | 2375.280           | 46.57             | -7.77                    | 38.80              | 54.00             | -15.20         | AVG    |
| 22  | 2375.880           | 63.46             | -7.77                    | 55.69              | 74.00             | -18.31         | peak   |
| 23  | 2375.880           | 46.60             | -7.77                    | 38.83              | 54.00             | -15.17         | AVG    |

Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                |     |
|-------------|-----------|----------------|-----|
| Standard:   | LP0002    | Test Distance: | 3 m |
| Test item:  | Band edge |                |     |
| Frequency:  | 2422 MHz  |                |     |
| Mode:       | Mode 5    |                |     |
| Ant.Polar.: | Vertical  |                |     |

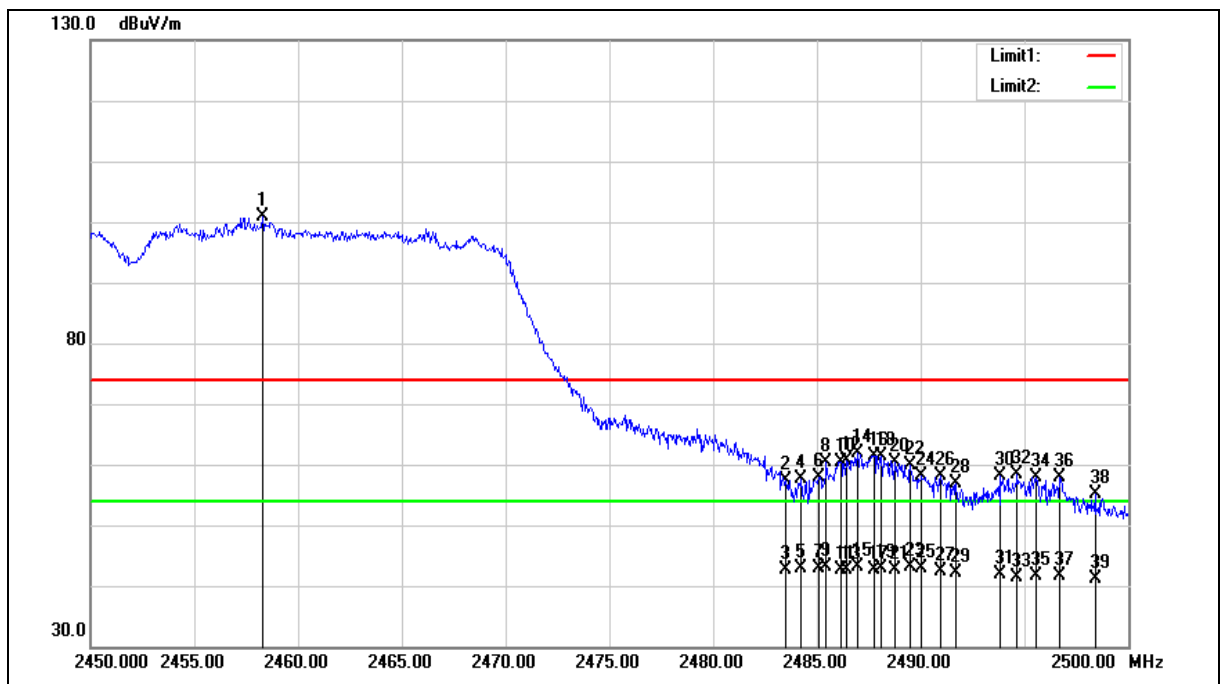
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 24  | 2378.280           | 65.40             | -7.77                    | 57.63              | 74.00             | -16.37         | peak   |
| 25  | 2378.280           | 46.82             | -7.77                    | 39.05              | 54.00             | -14.95         | AVG    |
| 26  | 2379.120           | 65.52             | -7.76                    | 57.76              | 74.00             | -16.24         | peak   |
| 27  | 2379.120           | 46.89             | -7.76                    | 39.13              | 54.00             | -14.87         | AVG    |
| 28  | 2381.400           | 65.09             | -7.76                    | 57.33              | 74.00             | -16.67         | peak   |
| 29  | 2381.400           | 46.93             | -7.76                    | 39.17              | 54.00             | -14.83         | AVG    |
| 30  | 2382.120           | 65.81             | -7.75                    | 58.06              | 74.00             | -15.94         | peak   |
| 31  | 2382.120           | 46.97             | -7.75                    | 39.22              | 54.00             | -14.78         | AVG    |
| 32  | 2382.600           | 65.97             | -7.75                    | 58.22              | 74.00             | -15.78         | peak   |
| 33  | 2382.600           | 47.16             | -7.75                    | 39.41              | 54.00             | -14.59         | AVG    |
| 34  | 2385.360           | 63.21             | -7.73                    | 55.48              | 74.00             | -18.52         | peak   |
| 35  | 2385.360           | 47.63             | -7.73                    | 39.90              | 54.00             | -14.10         | AVG    |
| 36  | 2385.840           | 62.82             | -7.73                    | 55.09              | 74.00             | -18.91         | peak   |
| 37  | 2385.840           | 47.70             | -7.73                    | 39.97              | 54.00             | -14.03         | AVG    |
| 38  | 2386.440           | 62.91             | -7.73                    | 55.18              | 74.00             | -18.82         | peak   |
| 39  | 2386.440           | 47.75             | -7.73                    | 40.02              | 54.00             | -13.98         | AVG    |
| 40  | 2389.440           | 68.70             | -7.72                    | 60.98              | 74.00             | -13.02         | peak   |
| 41  | 2389.440           | 47.85             | -7.72                    | 40.13              | 54.00             | -13.87         | AVG    |
| 42  | 2390.000           | 68.42             | -7.72                    | 60.70              | 74.00             | -13.30         | peak   |
| 43  | 2390.000           | 48.12             | -7.72                    | 40.40              | 54.00             | -13.60         | AVG    |
| 44  | 2427.600           | 105.59            | -7.56                    | 98.03              | --                | --             | peak   |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Band edge  |                |     |
| Frequency:  | 2452 MHz   |                |     |
| Mode:       | Mode 5     |                |     |
| Ant.Polar.: | Horizontal |                |     |



|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Band edge  |                |     |
| Frequency:  | 2452 MHz   |                |     |
| Mode:       | Mode 5     |                |     |
| Ant.Polar.: | Horizontal |                |     |

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2458.300           | 108.32            | -7.44                    | 100.88             | --                | --             | peak   |
| 2   | 2483.500           | 64.69             | -7.34                    | 57.35              | 74.00             | -16.65         | peak   |
| 3   | 2483.500           | 49.89             | -7.34                    | 42.55              | 54.00             | -11.45         | AVG    |
| 4   | 2484.250           | 64.95             | -7.34                    | 57.61              | 74.00             | -16.39         | peak   |
| 5   | 2484.250           | 50.29             | -7.34                    | 42.95              | 54.00             | -11.05         | AVG    |
| 6   | 2485.100           | 65.21             | -7.33                    | 57.88              | 74.00             | -16.12         | peak   |
| 7   | 2485.100           | 50.12             | -7.33                    | 42.79              | 54.00             | -11.21         | AVG    |
| 8   | 2485.450           | 67.80             | -7.32                    | 60.48              | 74.00             | -13.52         | peak   |
| 9   | 2485.450           | 50.33             | -7.32                    | 43.01              | 54.00             | -10.99         | AVG    |
| 10  | 2486.150           | 67.62             | -7.32                    | 60.30              | 74.00             | -13.70         | peak   |
| 11  | 2486.150           | 49.93             | -7.32                    | 42.61              | 54.00             | -11.39         | AVG    |
| 12  | 2486.400           | 67.83             | -7.32                    | 60.51              | 74.00             | -13.49         | peak   |
| 13  | 2486.400           | 49.86             | -7.32                    | 42.54              | 54.00             | -11.46         | AVG    |
| 14  | 2486.950           | 69.32             | -7.32                    | 62.00              | 74.00             | -12.00         | peak   |
| 15  | 2486.950           | 50.33             | -7.32                    | 43.01              | 54.00             | -10.99         | AVG    |
| 16  | 2487.750           | 68.79             | -7.32                    | 61.47              | 74.00             | -12.53         | peak   |
| 17  | 2487.750           | 49.92             | -7.32                    | 42.60              | 54.00             | -11.40         | AVG    |
| 18  | 2488.100           | 68.80             | -7.32                    | 61.48              | 74.00             | -12.52         | peak   |
| 19  | 2488.100           | 50.09             | -7.32                    | 42.77              | 54.00             | -11.23         | AVG    |
| 20  | 2488.750           | 67.65             | -7.31                    | 60.34              | 74.00             | -13.66         | peak   |
| 21  | 2488.750           | 50.04             | -7.31                    | 42.73              | 54.00             | -11.27         | AVG    |
| 22  | 2489.500           | 67.08             | -7.31                    | 59.77              | 74.00             | -14.23         | peak   |
| 23  | 2489.500           | 50.35             | -7.31                    | 43.04              | 54.00             | -10.96         | AVG    |

Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Band edge  |                |     |
| Frequency:  | 2452 MHz   |                |     |
| Mode:       | Mode 5     |                |     |
| Ant.Polar.: | Horizontal |                |     |

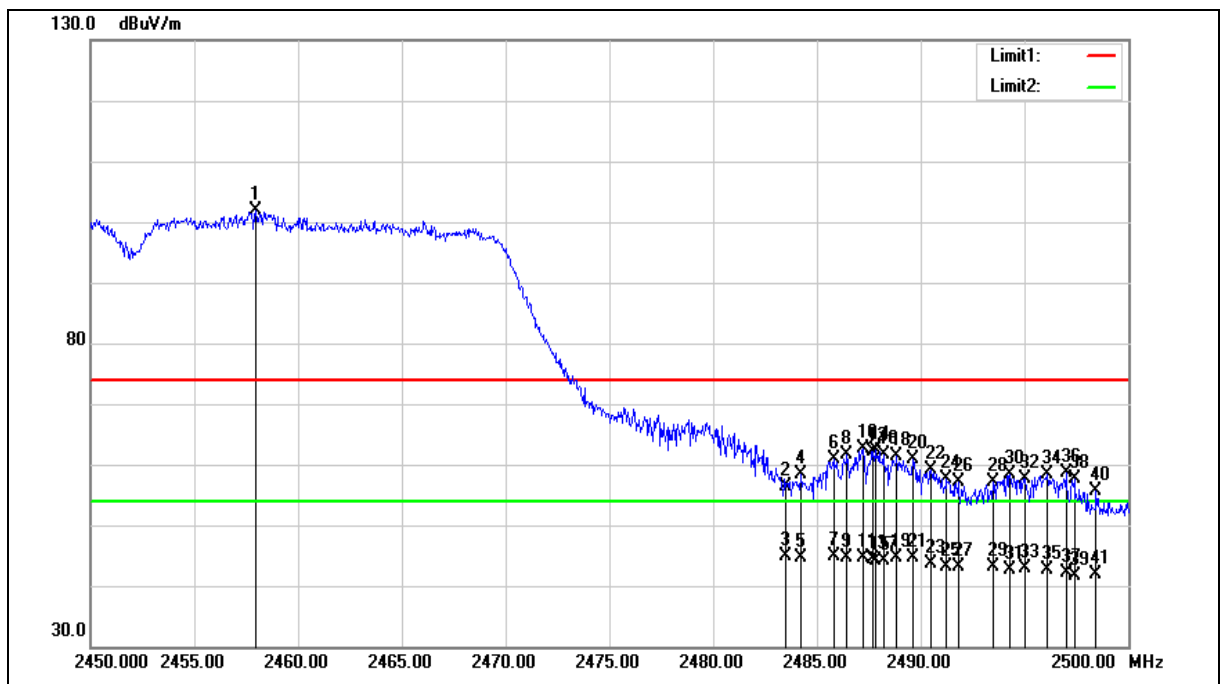
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 24  | 2490.050           | 65.35             | -7.31                    | 58.04              | 74.00             | -15.96         | peak   |
| 25  | 2490.050           | 50.08             | -7.31                    | 42.77              | 54.00             | -11.23         | AVG    |
| 26  | 2490.950           | 65.44             | -7.31                    | 58.13              | 74.00             | -15.87         | peak   |
| 27  | 2490.950           | 49.80             | -7.31                    | 42.49              | 54.00             | -11.51         | AVG    |
| 28  | 2491.700           | 64.22             | -7.30                    | 56.92              | 74.00             | -17.08         | peak   |
| 29  | 2491.700           | 49.42             | -7.30                    | 42.12              | 54.00             | -11.88         | AVG    |
| 30  | 2493.850           | 65.39             | -7.29                    | 58.10              | 74.00             | -15.90         | peak   |
| 31  | 2493.850           | 49.06             | -7.29                    | 41.77              | 54.00             | -12.23         | AVG    |
| 32  | 2494.650           | 65.59             | -7.29                    | 58.30              | 74.00             | -15.70         | peak   |
| 33  | 2494.650           | 48.72             | -7.29                    | 41.43              | 54.00             | -12.57         | AVG    |
| 34  | 2495.550           | 65.27             | -7.28                    | 57.99              | 74.00             | -16.01         | peak   |
| 35  | 2495.550           | 49.02             | -7.28                    | 41.74              | 54.00             | -12.26         | AVG    |
| 36  | 2496.700           | 65.17             | -7.28                    | 57.89              | 74.00             | -16.11         | peak   |
| 37  | 2496.700           | 48.96             | -7.28                    | 41.68              | 54.00             | -12.32         | AVG    |
| 38  | 2498.400           | 62.31             | -7.27                    | 55.04              | 74.00             | -18.96         | peak   |
| 39  | 2498.400           | 48.32             | -7.27                    | 41.05              | 54.00             | -12.95         | AVG    |

Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                |     |
|-------------|-----------|----------------|-----|
| Standard:   | LP0002    | Test Distance: | 3 m |
| Test item:  | Band edge |                |     |
| Frequency:  | 2452 MHz  |                |     |
| Mode:       | Mode 5    |                |     |
| Ant.Polar.: | Vertical  |                |     |



|             |           |                |     |
|-------------|-----------|----------------|-----|
| Standard:   | LP0002    | Test Distance: | 3 m |
| Test item:  | Band edge |                |     |
| Frequency:  | 2452 MHz  |                |     |
| Mode:       | Mode 5    |                |     |
| Ant.Polar.: | Vertical  |                |     |

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2457.950           | 109.22            | -7.44                    | 101.78             | --                | --             | peak   |
| 2   | 2483.500           | 63.83             | -7.34                    | 56.49              | 74.00             | -17.51         | peak   |
| 3   | 2483.500           | 52.14             | -7.34                    | 44.80              | 54.00             | -9.20          | AVG    |
| 4   | 2484.250           | 65.70             | -7.34                    | 58.36              | 74.00             | -15.64         | peak   |
| 5   | 2484.250           | 52.08             | -7.34                    | 44.74              | 54.00             | -9.26          | AVG    |
| 6   | 2485.800           | 68.10             | -7.32                    | 60.78              | 74.00             | -13.22         | peak   |
| 7   | 2485.800           | 52.17             | -7.32                    | 44.85              | 54.00             | -9.15          | AVG    |
| 8   | 2486.450           | 68.91             | -7.32                    | 61.59              | 74.00             | -12.41         | peak   |
| 9   | 2486.450           | 51.99             | -7.32                    | 44.67              | 54.00             | -9.33          | AVG    |
| 10  | 2487.250           | 69.83             | -7.32                    | 62.51              | 74.00             | -11.49         | peak   |
| 11  | 2487.250           | 51.93             | -7.32                    | 44.61              | 54.00             | -9.39          | AVG    |
| 12  | 2487.700           | 69.53             | -7.32                    | 62.21              | 74.00             | -11.79         | peak   |
| 13  | 2487.700           | 51.58             | -7.32                    | 44.26              | 54.00             | -9.74          | AVG    |
| 14  | 2487.800           | 69.60             | -7.32                    | 62.28              | 74.00             | -11.72         | peak   |
| 15  | 2487.800           | 51.50             | -7.32                    | 44.18              | 54.00             | -9.82          | AVG    |
| 16  | 2488.200           | 68.87             | -7.32                    | 61.55              | 74.00             | -12.45         | peak   |
| 17  | 2488.200           | 51.49             | -7.32                    | 44.17              | 54.00             | -9.83          | AVG    |
| 18  | 2488.850           | 68.69             | -7.31                    | 61.38              | 74.00             | -12.62         | peak   |
| 19  | 2488.850           | 51.95             | -7.31                    | 44.64              | 54.00             | -9.36          | AVG    |
| 20  | 2489.600           | 68.28             | -7.31                    | 60.97              | 74.00             | -13.03         | peak   |
| 21  | 2489.600           | 51.97             | -7.31                    | 44.66              | 54.00             | -9.34          | AVG    |
| 22  | 2490.500           | 66.40             | -7.31                    | 59.09              | 74.00             | -14.91         | peak   |
| 23  | 2490.500           | 50.95             | -7.31                    | 43.64              | 54.00             | -10.36         | AVG    |

Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                |     |
|-------------|-----------|----------------|-----|
| Standard:   | LP0002    | Test Distance: | 3 m |
| Test item:  | Band edge |                |     |
| Frequency:  | 2452 MHz  |                |     |
| Mode:       | Mode 5    |                |     |
| Ant.Polar.: | Vertical  |                |     |

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 24  | 2491.250           | 65.03             | -7.31                    | 57.72              | 74.00             | -16.28         | peak   |
| 25  | 2491.250           | 50.52             | -7.31                    | 43.21              | 54.00             | -10.79         | AVG    |
| 26  | 2491.800           | 64.37             | -7.30                    | 57.07              | 74.00             | -16.93         | peak   |
| 27  | 2491.800           | 50.50             | -7.30                    | 43.20              | 54.00             | -10.80         | AVG    |
| 28  | 2493.500           | 64.41             | -7.29                    | 57.12              | 74.00             | -16.88         | peak   |
| 29  | 2493.500           | 50.32             | -7.29                    | 43.03              | 54.00             | -10.97         | AVG    |
| 30  | 2494.300           | 65.55             | -7.29                    | 58.26              | 74.00             | -15.74         | peak   |
| 31  | 2494.300           | 49.92             | -7.29                    | 42.63              | 54.00             | -11.37         | AVG    |
| 32  | 2495.000           | 65.03             | -7.29                    | 57.74              | 74.00             | -16.26         | peak   |
| 33  | 2495.000           | 50.23             | -7.29                    | 42.94              | 54.00             | -11.06         | AVG    |
| 34  | 2496.100           | 65.67             | -7.28                    | 58.39              | 74.00             | -15.61         | peak   |
| 35  | 2496.100           | 49.95             | -7.28                    | 42.67              | 54.00             | -11.33         | AVG    |
| 36  | 2497.000           | 65.99             | -7.28                    | 58.71              | 74.00             | -15.29         | peak   |
| 37  | 2497.000           | 49.50             | -7.28                    | 42.22              | 54.00             | -11.78         | AVG    |
| 38  | 2497.400           | 64.80             | -7.28                    | 57.52              | 74.00             | -16.48         | peak   |
| 39  | 2497.400           | 48.79             | -7.28                    | 41.51              | 54.00             | -12.49         | AVG    |
| 40  | 2498.450           | 62.79             | -7.27                    | 55.52              | 74.00             | -18.48         | peak   |
| 41  | 2498.450           | 49.04             | -7.27                    | 41.77              | 54.00             | -12.23         | AVG    |

Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

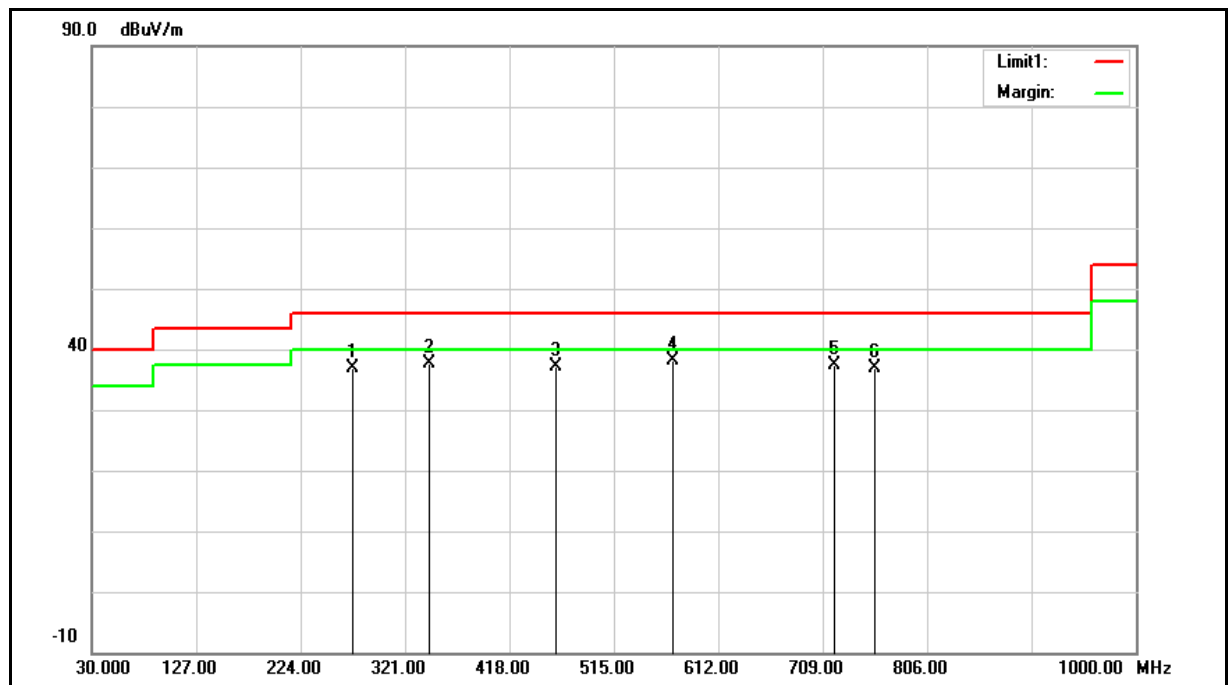
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Display Mode

其它不必要之訊號 (1 GHz 以下)

|             |                   |                |     |
|-------------|-------------------|----------------|-----|
| Standard:   | LP0002            | Test Distance: | 3 m |
| Test item:  | Radiated Emission |                |     |
| Frequency:  | 2462 MHz          |                |     |
| Mode:       | Mode 3            |                |     |
| Ant.Polar.: | Horizontal        |                |     |



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 1   | 272.5000           | 61.31             | -24.47                      | 36.84              | 46.00             | -9.16          | QP     |
| 2   | 343.3100           | 60.36             | -22.61                      | 37.75              | 46.00             | -8.25          | QP     |
| 3   | 460.6800           | 57.27             | -20.06                      | 37.21              | 46.00             | -8.79          | QP     |
| 4   | 570.2900           | 56.04             | -17.86                      | 38.18              | 46.00             | -7.82          | QP     |
| 5   | 719.6700           | 53.16             | -15.71                      | 37.45              | 46.00             | -8.55          | QP     |
| 6   | 757.5000           | 52.03             | -15.13                      | 36.90              | 46.00             | -9.10          | QP     |

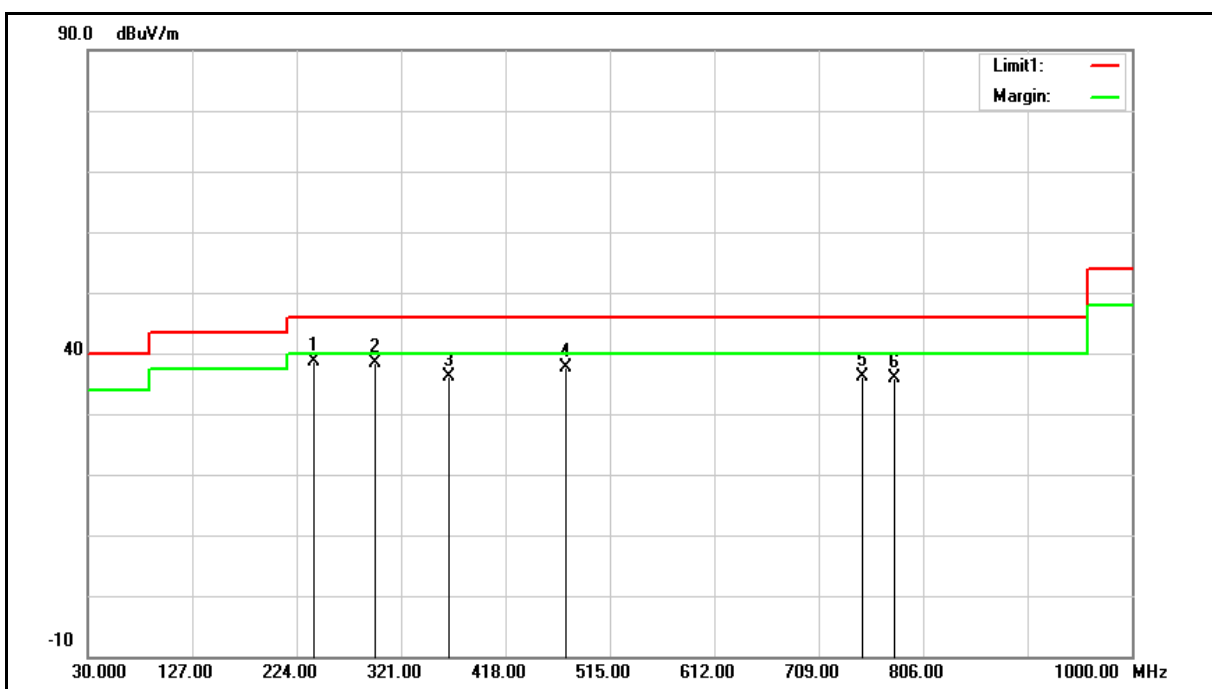
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

Example:  $36.84 = -24.47 + 61.31$

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

|             |                   |                |     |
|-------------|-------------------|----------------|-----|
| Standard:   | LP0002            | Test Distance: | 3 m |
| Test item:  | Radiated Emission |                |     |
| Frequency:  | 2462 MHz          |                |     |
| Mode:       | Mode 3            |                |     |
| Ant.Polar.: | Vertical          |                |     |



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 1   | 239.5200           | 64.22             | -25.59                      | 38.63              | 46.00             | -7.37          | QP     |
| 2   | 296.7500           | 62.22             | -23.75                      | 38.47              | 46.00             | -7.53          | QP     |
| 3   | 365.6200           | 58.19             | -22.10                      | 36.09              | 46.00             | -9.91          | QP     |
| 4   | 474.2600           | 57.61             | -19.91                      | 37.70              | 46.00             | -8.30          | QP     |
| 5   | 749.7400           | 51.33             | -15.24                      | 36.09              | 46.00             | -9.91          | QP     |
| 6   | 779.8100           | 50.75             | -14.80                      | 35.95              | 46.00             | -10.05         | QP     |

Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

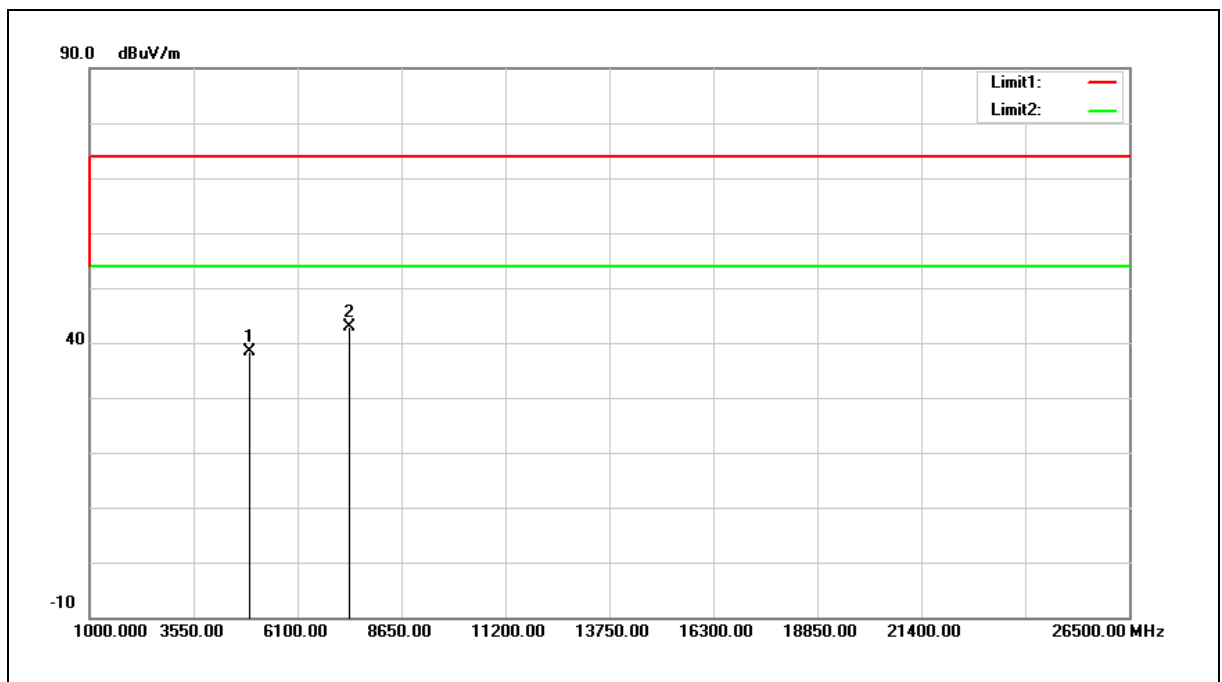
Example:  $38.63 = -25.59 + 64.22$

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

場強輻射量測 (1 GHz 以上)

|             |            |                |     |
|-------------|------------|----------------|-----|
| Standard:   | LP0002     | Test Distance: | 3 m |
| Test item:  | Harmonic   |                |     |
| Frequency:  | 2462 MHz   |                |     |
| Mode:       | Mode 3     |                |     |
| Ant.Polar.: | Horizontal |                |     |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 4924.000        | 39.32          | -0.99                 | 38.33           | 74.00          | -35.67      | peak   |
| 2   | 7386.000        | 36.39          | 6.38                  | 42.77           | 74.00          | -31.23      | peak   |

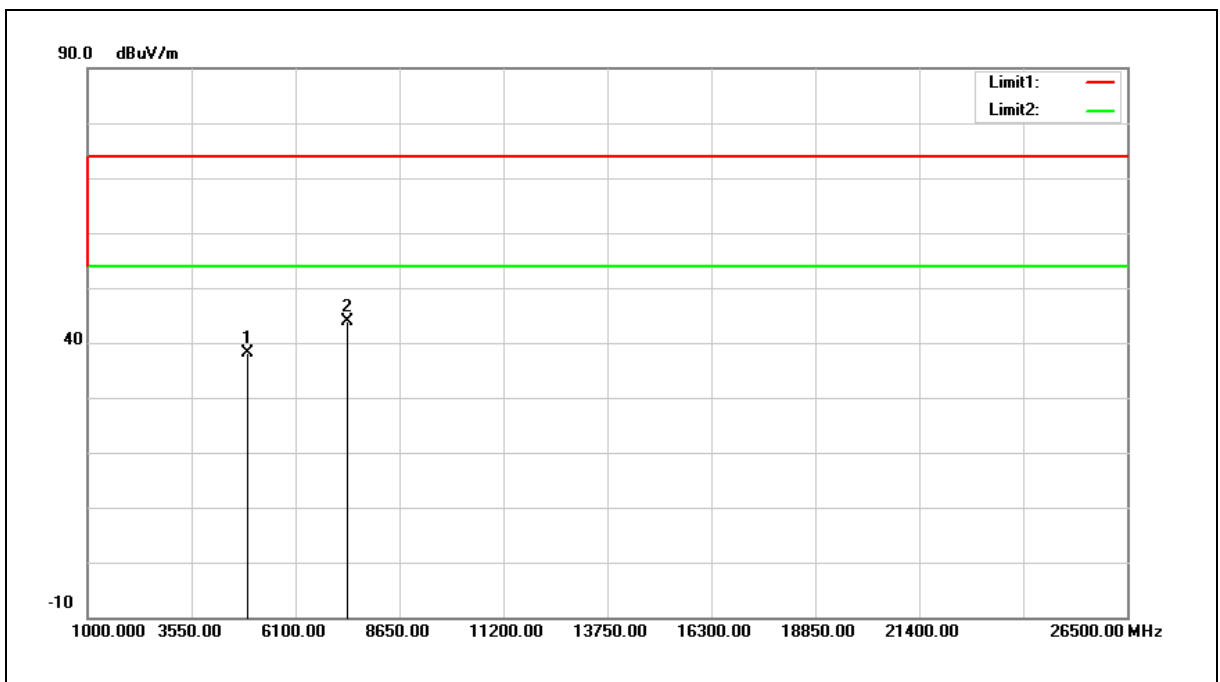
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example:  $38.33 = -0.99 + 39.32$

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |          |                |     |
|-------------|----------|----------------|-----|
| Standard:   | LP0002   | Test Distance: | 3 m |
| Test item:  | Harmonic |                |     |
| Frequency:  | 2462 MHz |                |     |
| Mode:       | Mode 3   |                |     |
| Ant.Polar.: | Vertical |                |     |



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4924.000           | 39.08             | -0.99                    | 38.09              | 74.00             | -35.91         | peak   |
| 2   | 7386.000           | 37.45             | 6.38                     | 43.83              | 74.00             | -30.17         | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example:  $38.09 = -0.99 + 39.08$

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

**Annex C. Conducted Test Results (2.4 GHz)**

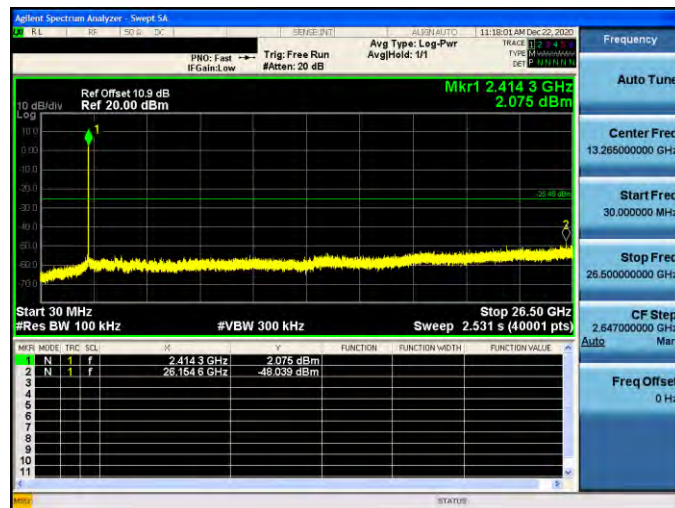
## Maximum Conducted Output Power

| 操作模式   | Data Rate<br>(Mbps) | 頻道<br>CH | 最大傳導輸出功率(Average) |              |       |       |              |              | Limit<br>(dBm) |
|--------|---------------------|----------|-------------------|--------------|-------|-------|--------------|--------------|----------------|
|        |                     |          | ANT-0             |              | ANT-1 |       | ANT-0+1      |              |                |
|        |                     |          | dBm               | W            | dBm   | W     | dBm          | W            |                |
| Mode 2 | 1                   | 01       | 13.36             | 0.022        | 13.09 | 0.020 | ---          | ---          | ≤30.00         |
|        |                     | 06       | <b>14.51</b>      | <b>0.028</b> | 14.09 | 0.026 | ---          | ---          | ≤30.00         |
|        |                     | 11       | 13.31             | 0.021        | 13.13 | 0.021 | ---          | ---          | ≤30.00         |
| Mode 3 | 6                   | 01       | 10.38             | 0.011        | 10.31 | 0.011 | 13.36        | 0.022        | ≤30.00         |
|        |                     | 06       | 11.11             | 0.013        | 11.36 | 0.014 | <b>14.25</b> | <b>0.027</b> | ≤30.00         |
|        |                     | 11       | 10.11             | 0.010        | 10.17 | 0.010 | 13.15        | 0.021        | ≤30.00         |
| Mode 4 | 13                  | 01       | 10.60             | 0.011        | 10.59 | 0.011 | 13.61        | 0.023        | ≤30.00         |
|        |                     | 06       | 11.36             | 0.014        | 11.47 | 0.014 | <b>14.43</b> | <b>0.028</b> | ≤30.00         |
|        |                     | 11       | 10.70             | 0.012        | 10.51 | 0.011 | 13.62        | 0.023        | ≤30.00         |
| Mode 5 | 27                  | 03       | 7.59              | 0.006        | 7.66  | 0.006 | 10.64        | 0.012        | ≤30.00         |
|        |                     | 06       | 11.38             | 0.014        | 11.31 | 0.014 | <b>14.36</b> | <b>0.027</b> | ≤30.00         |
|        |                     | 09       | 8.28              | 0.007        | 8.39  | 0.007 | 11.35        | 0.014        | ≤30.00         |

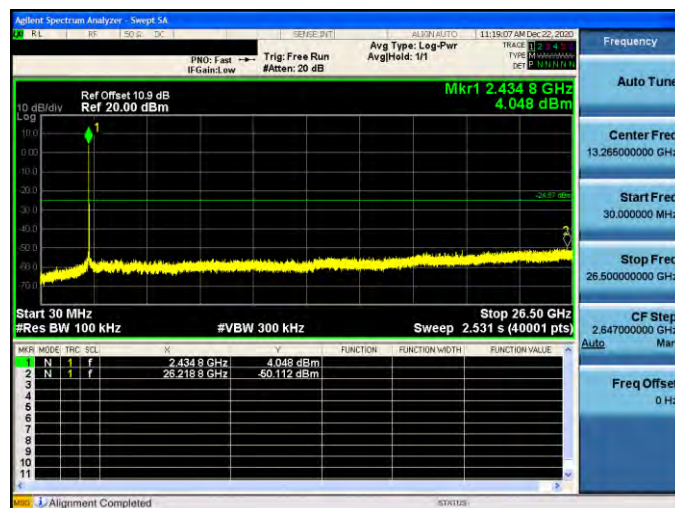
Out of Band Conducted Spurious Emission

Mode 2: IEEE 802.11b Continuous TX Mode\_ANT-0

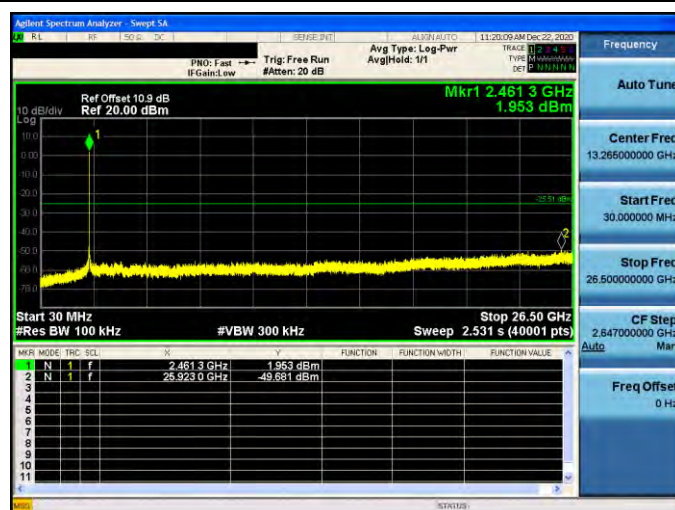
CH01



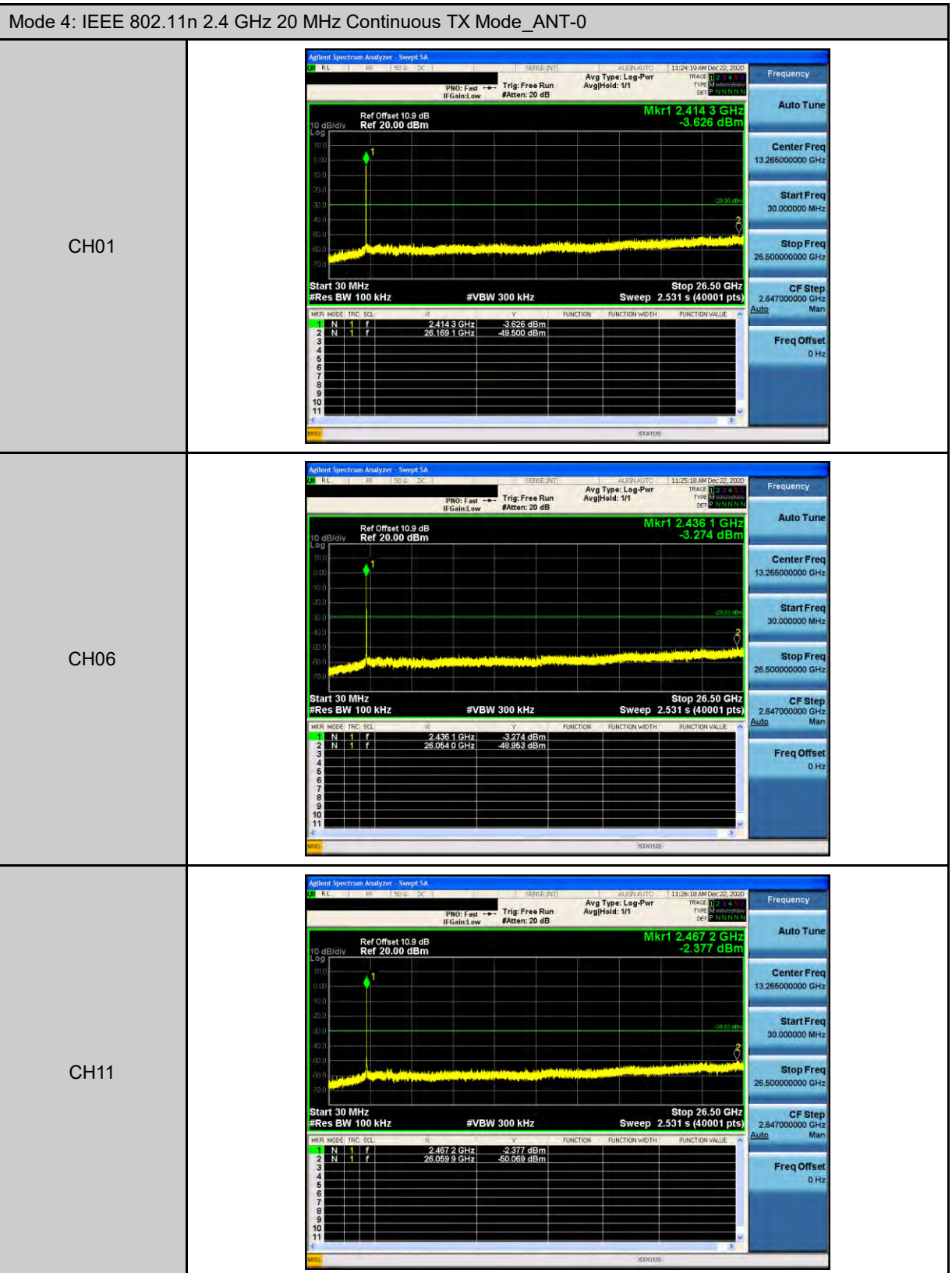
CH06

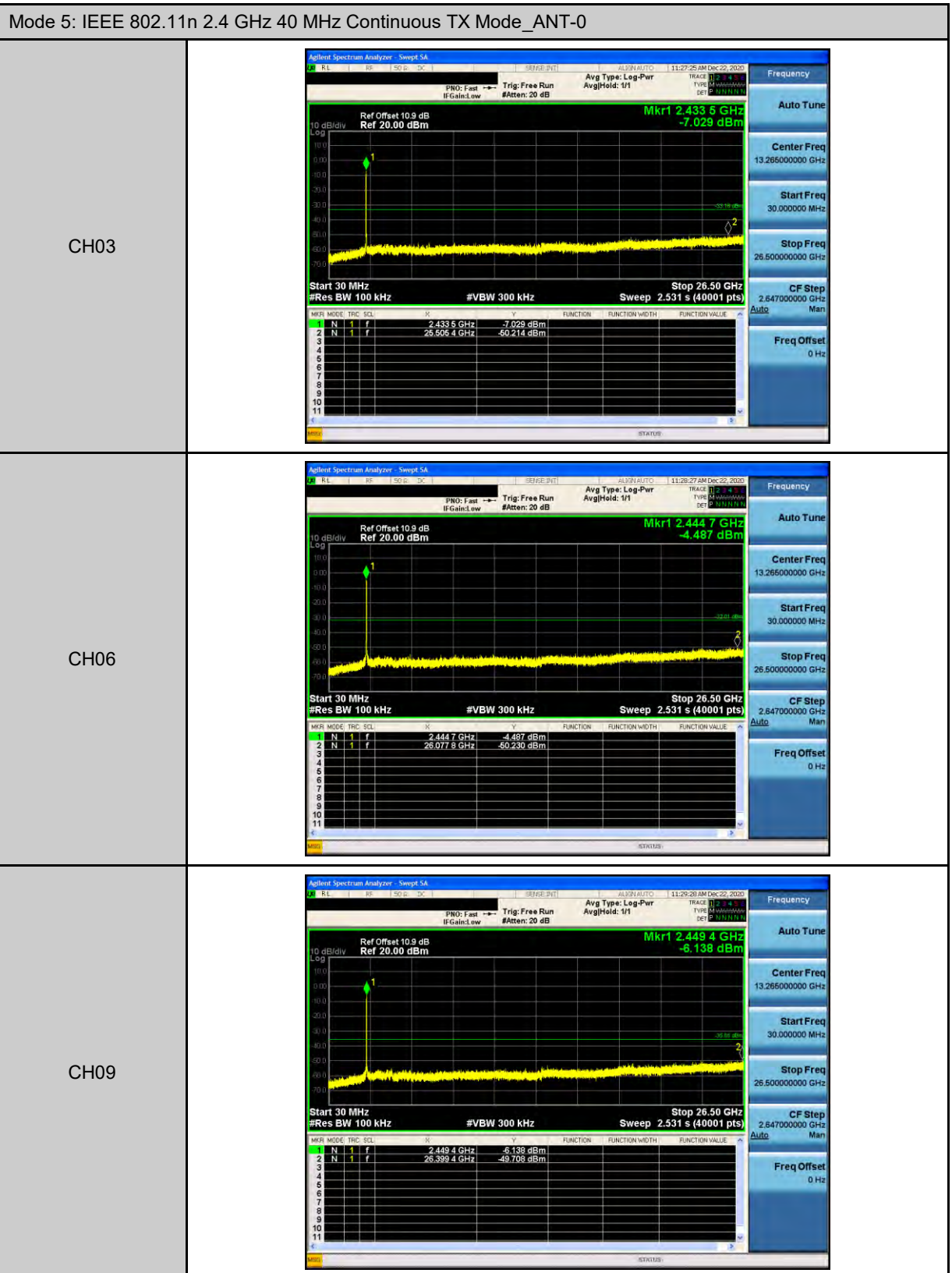


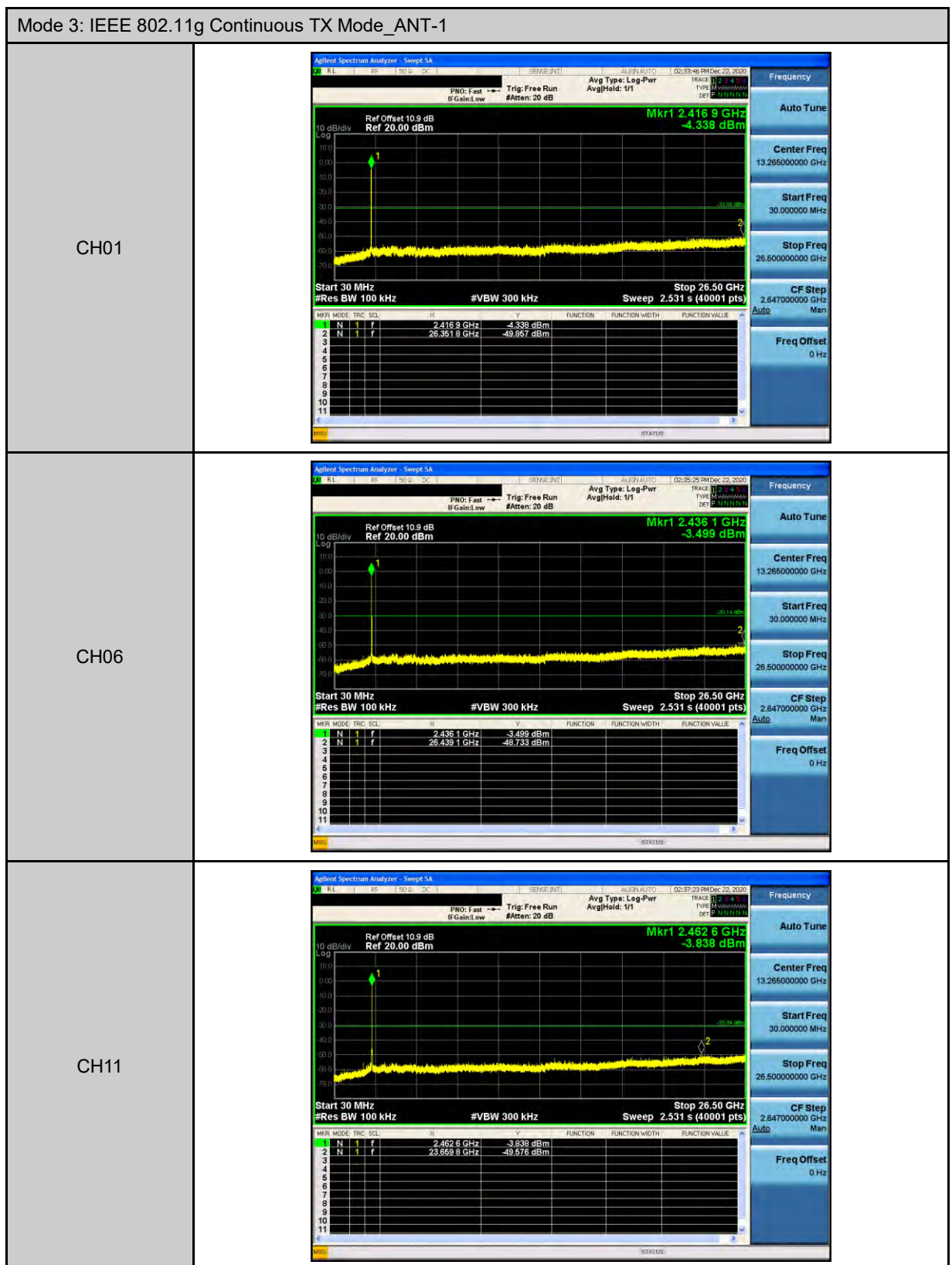
CH11

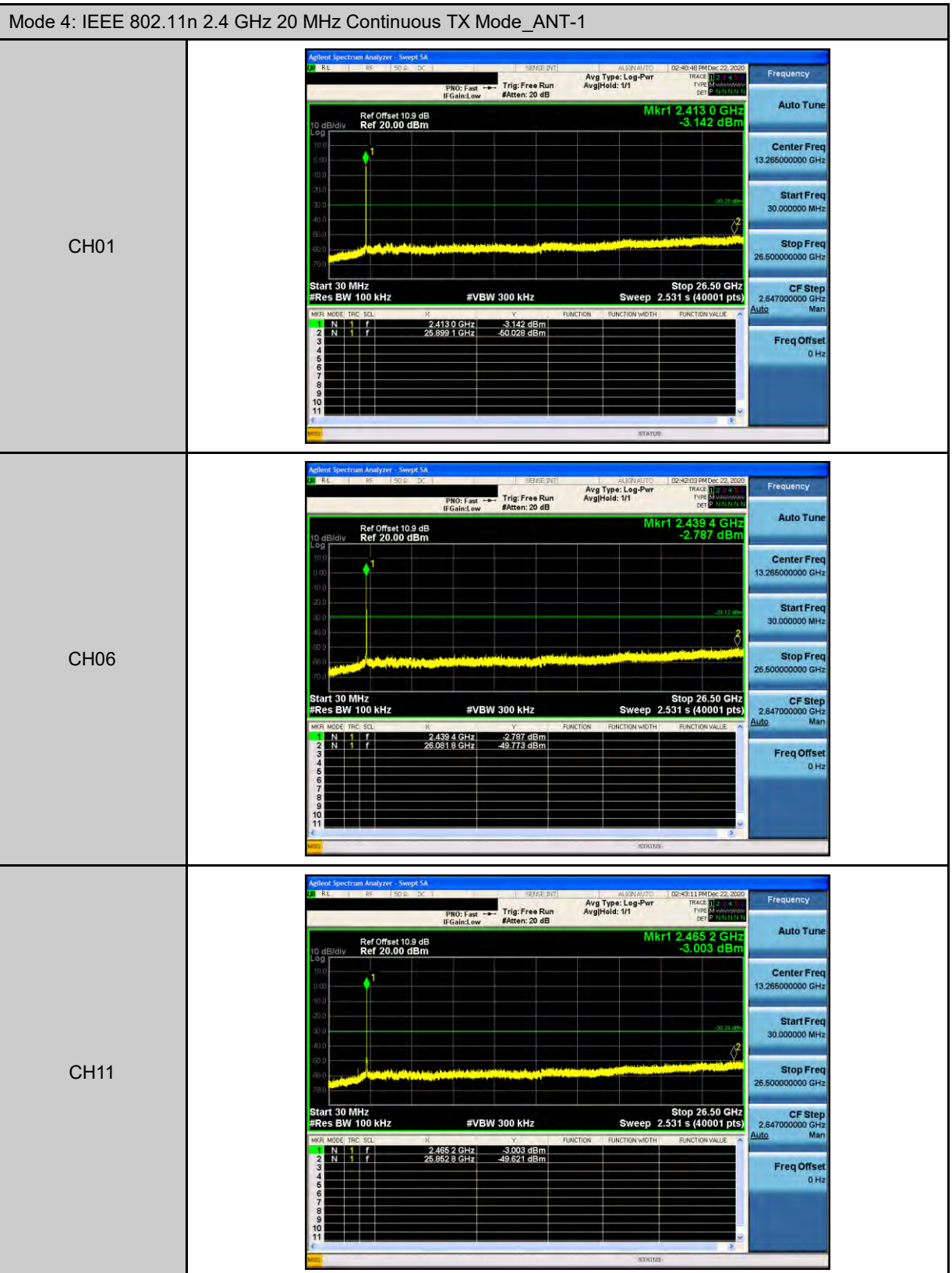


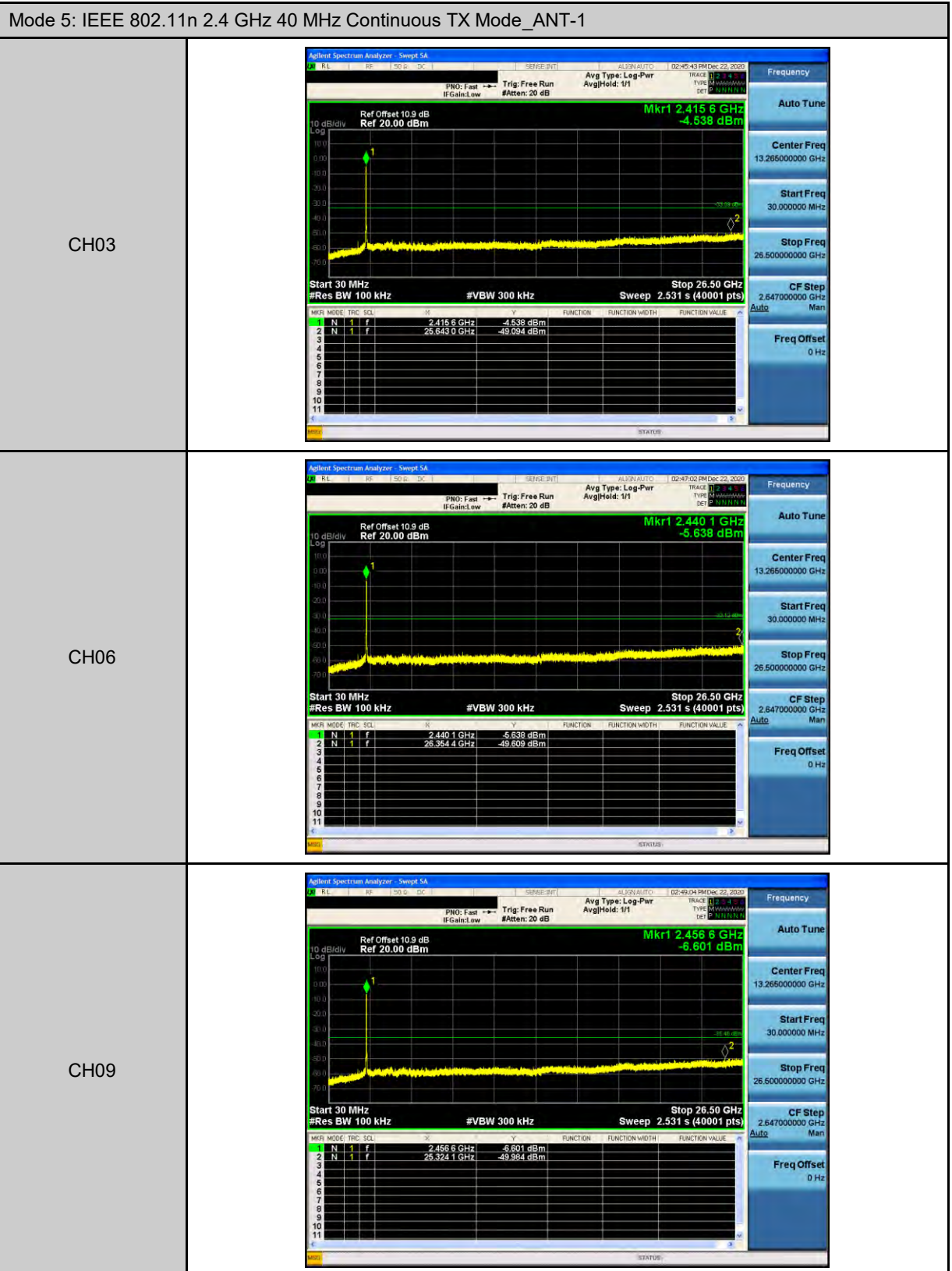






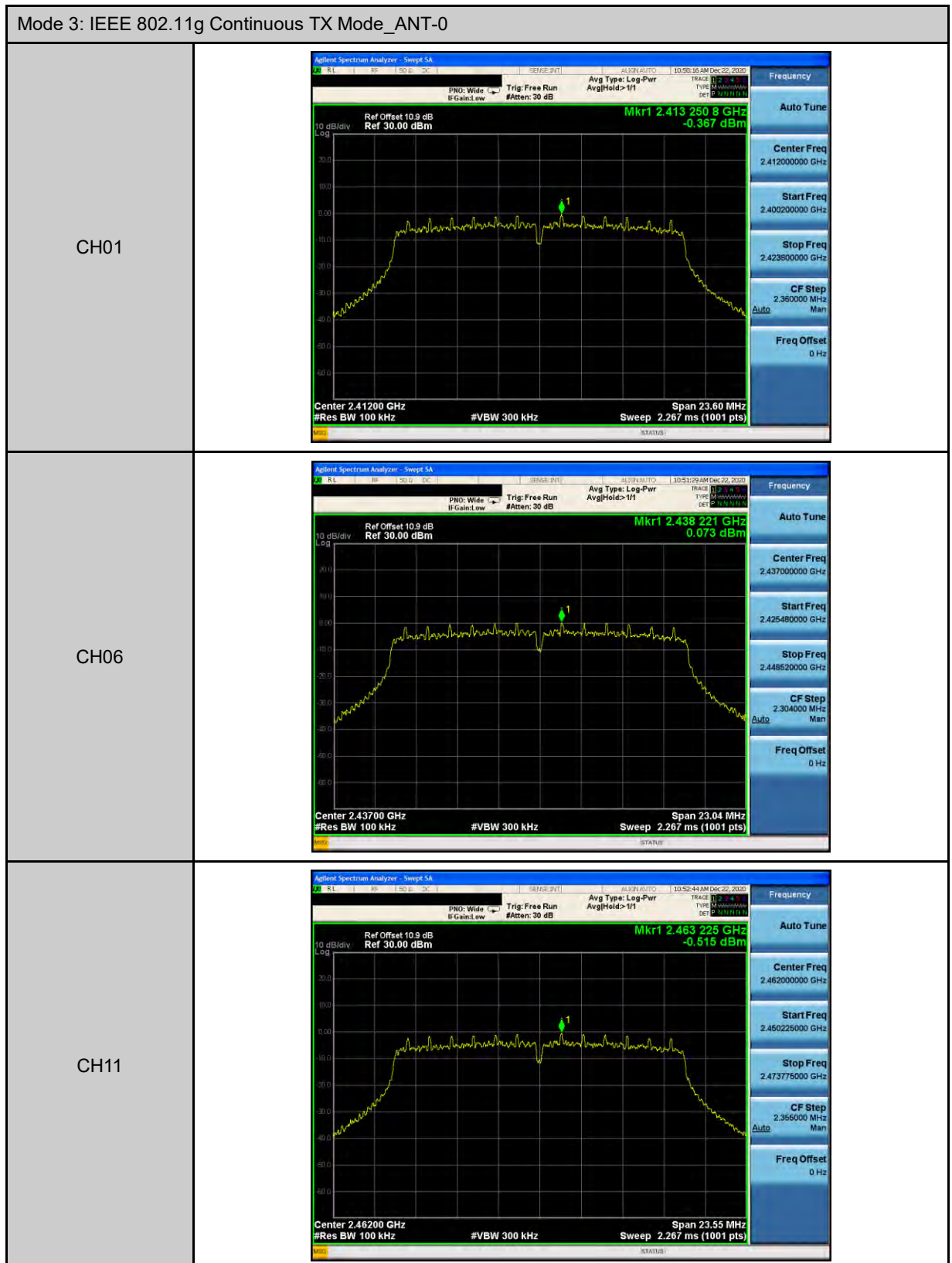


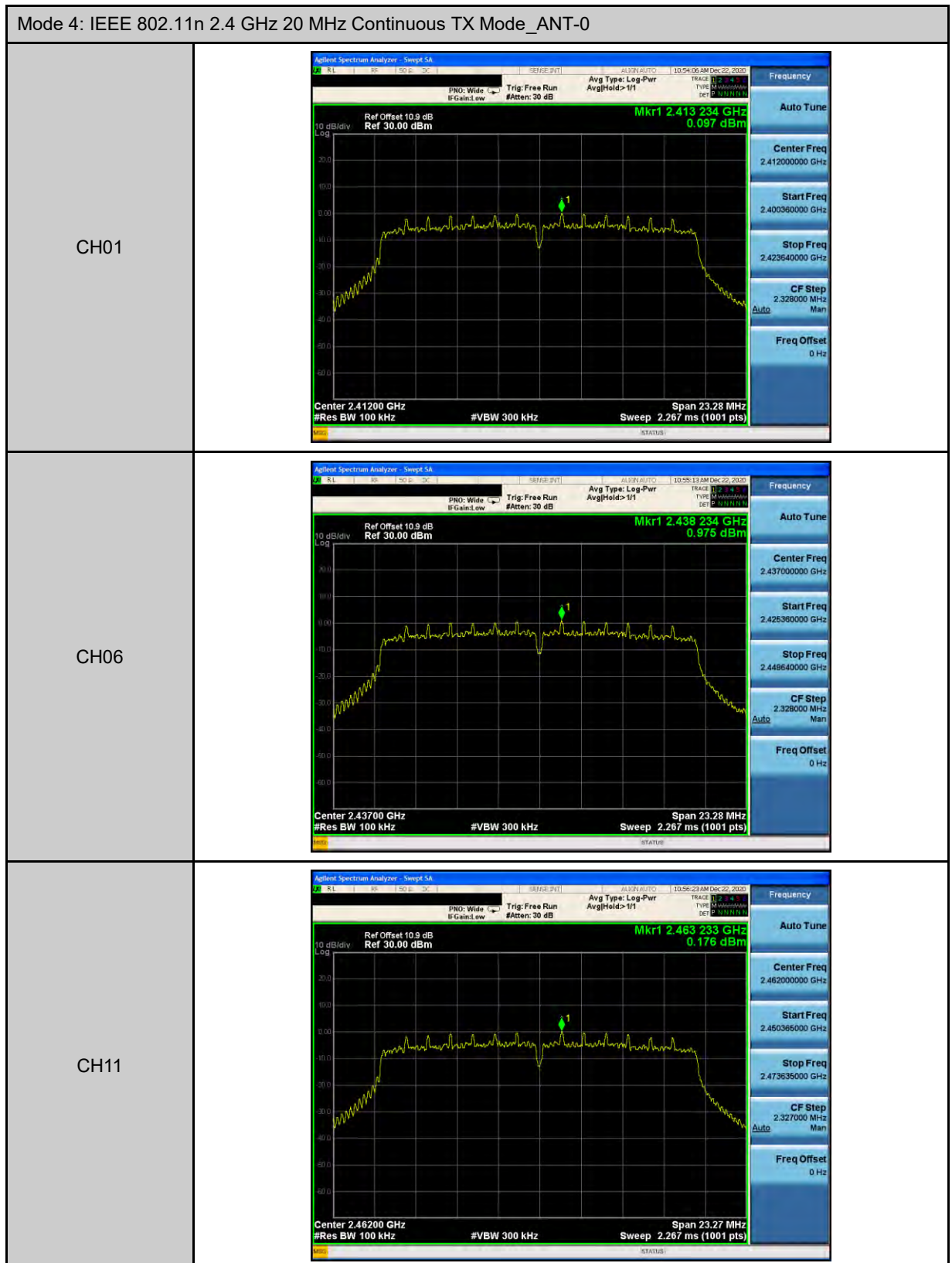


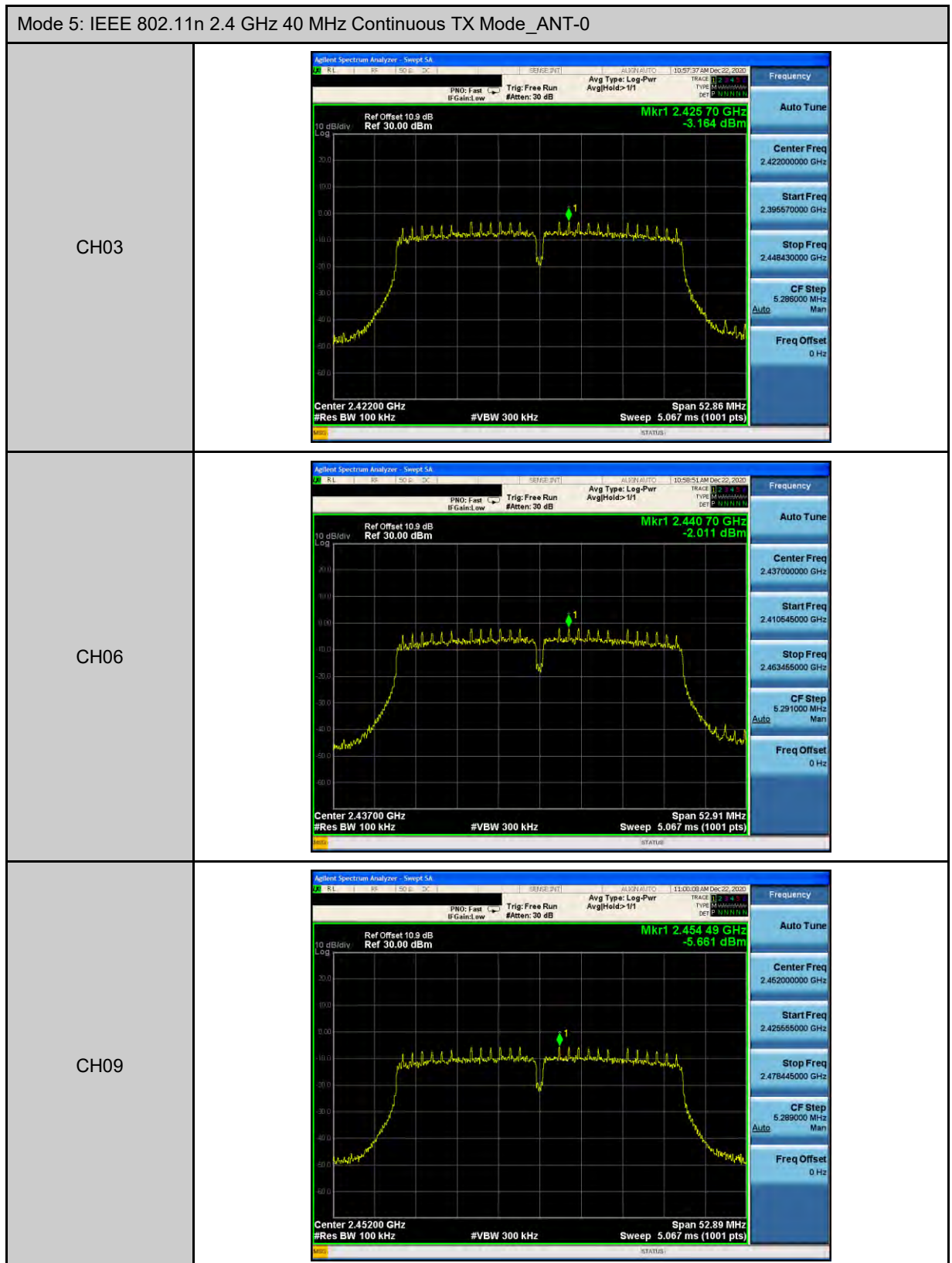


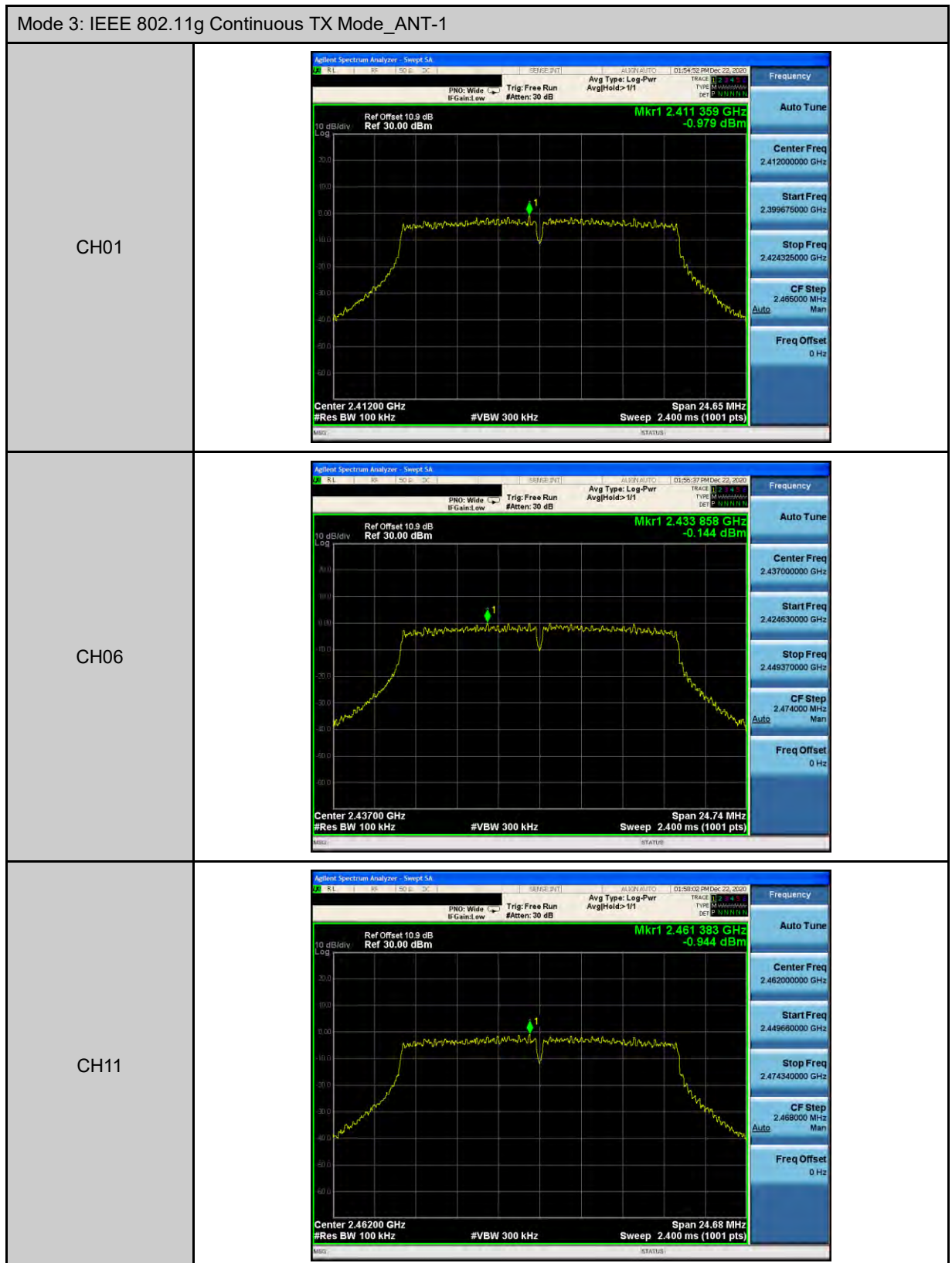
Reference level

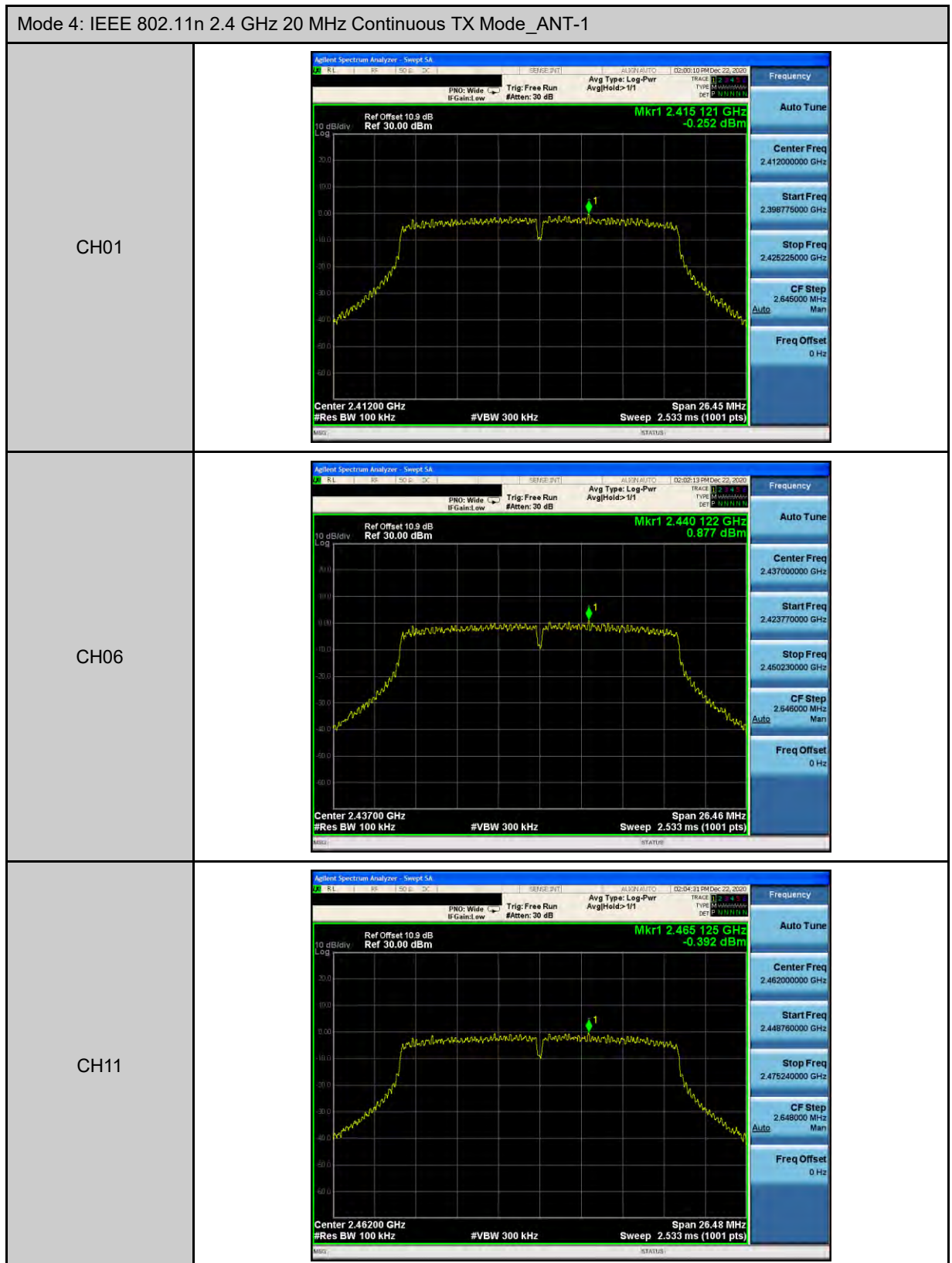
| Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0 |                                                                                      |
|-----------------------------------------------|--------------------------------------------------------------------------------------|
| CH01                                          |    |
| CH06                                          |   |
| CH11                                          |  |

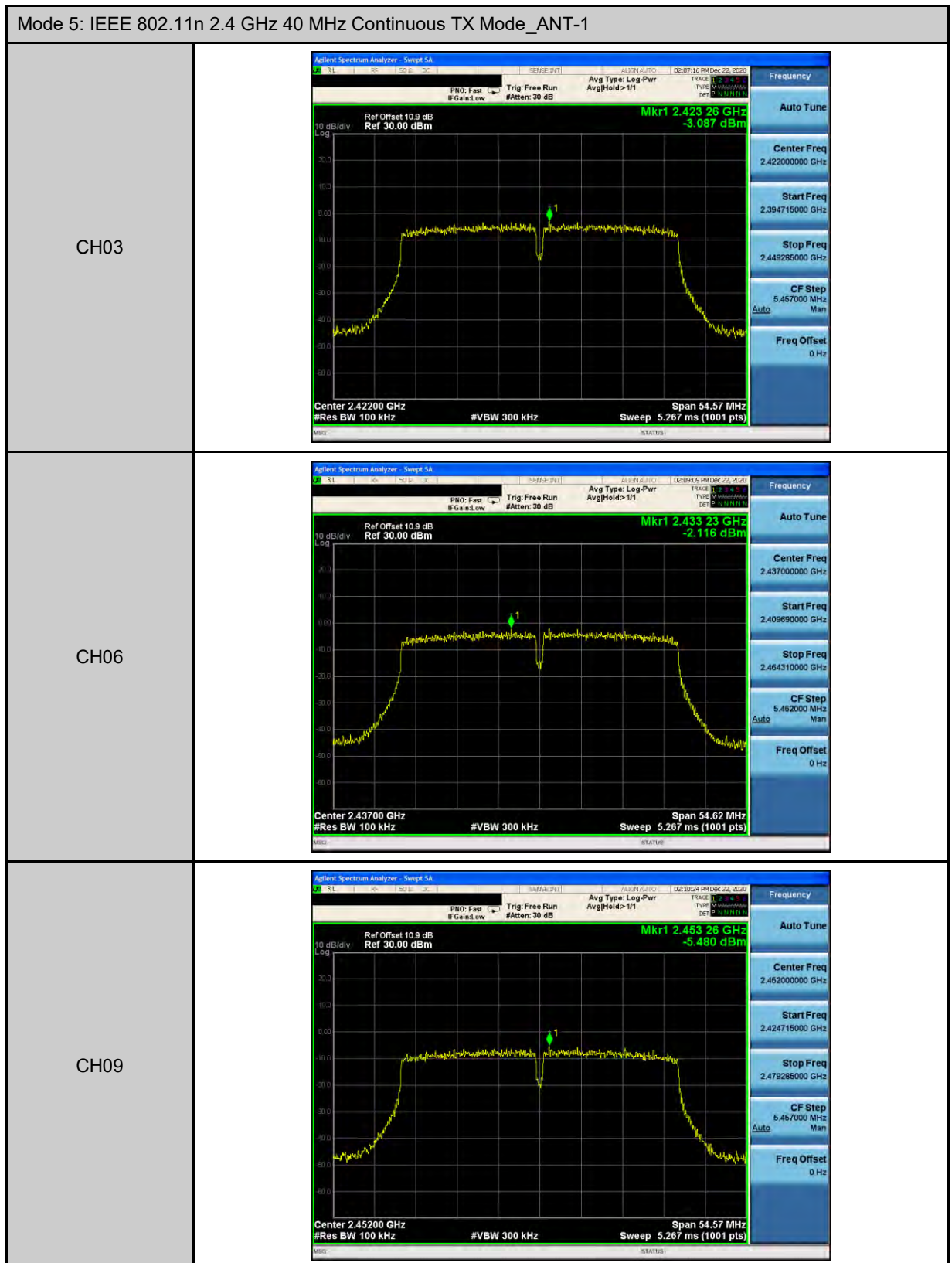








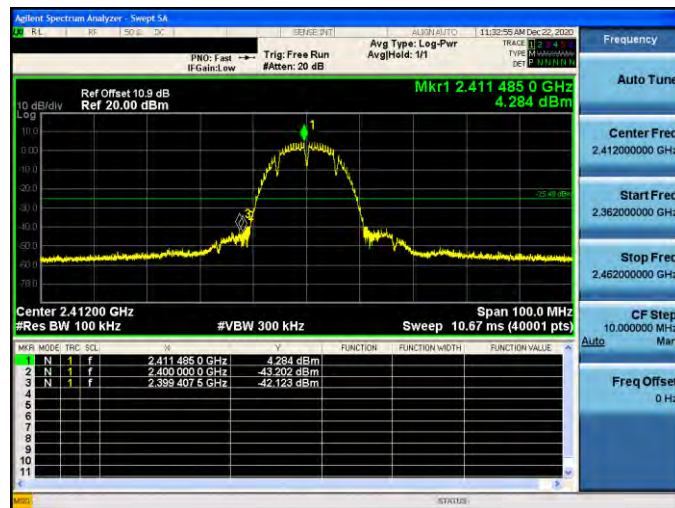




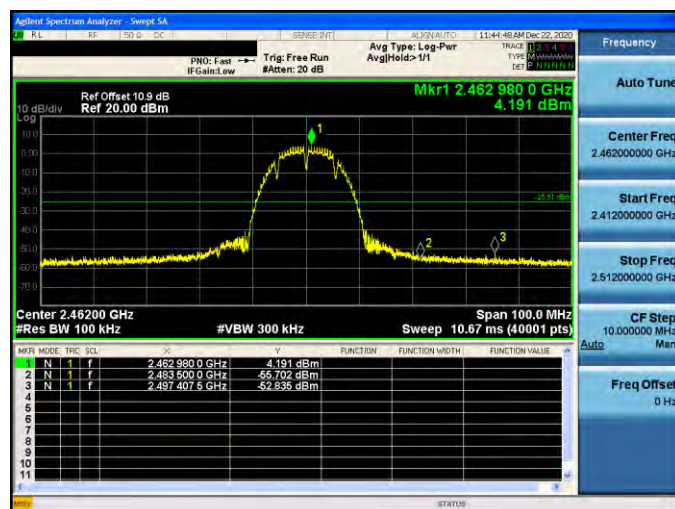
# Conducted Band Edge

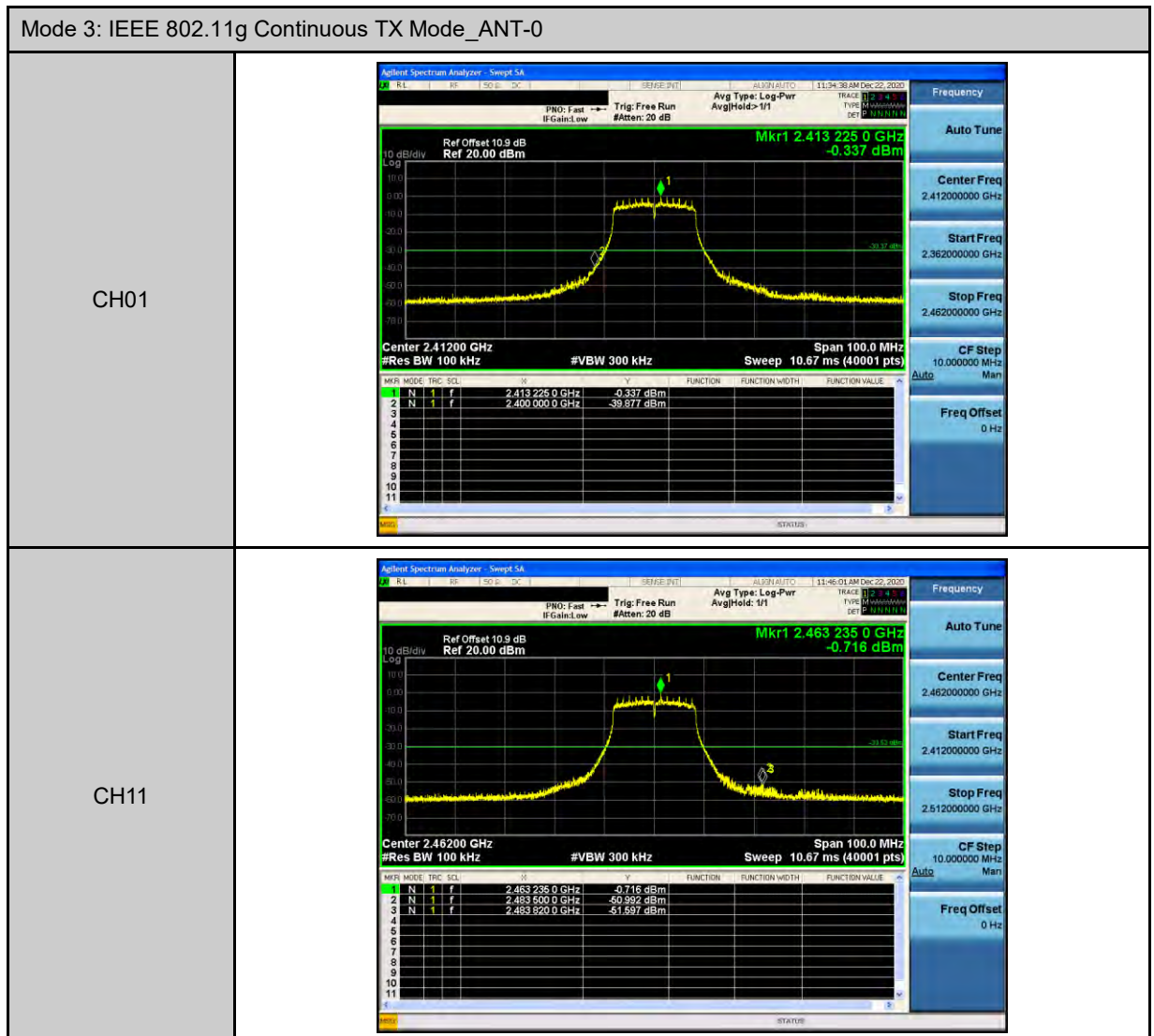
Mode 2: IEEE 802.11b Continuous TX Mode\_ANT-0

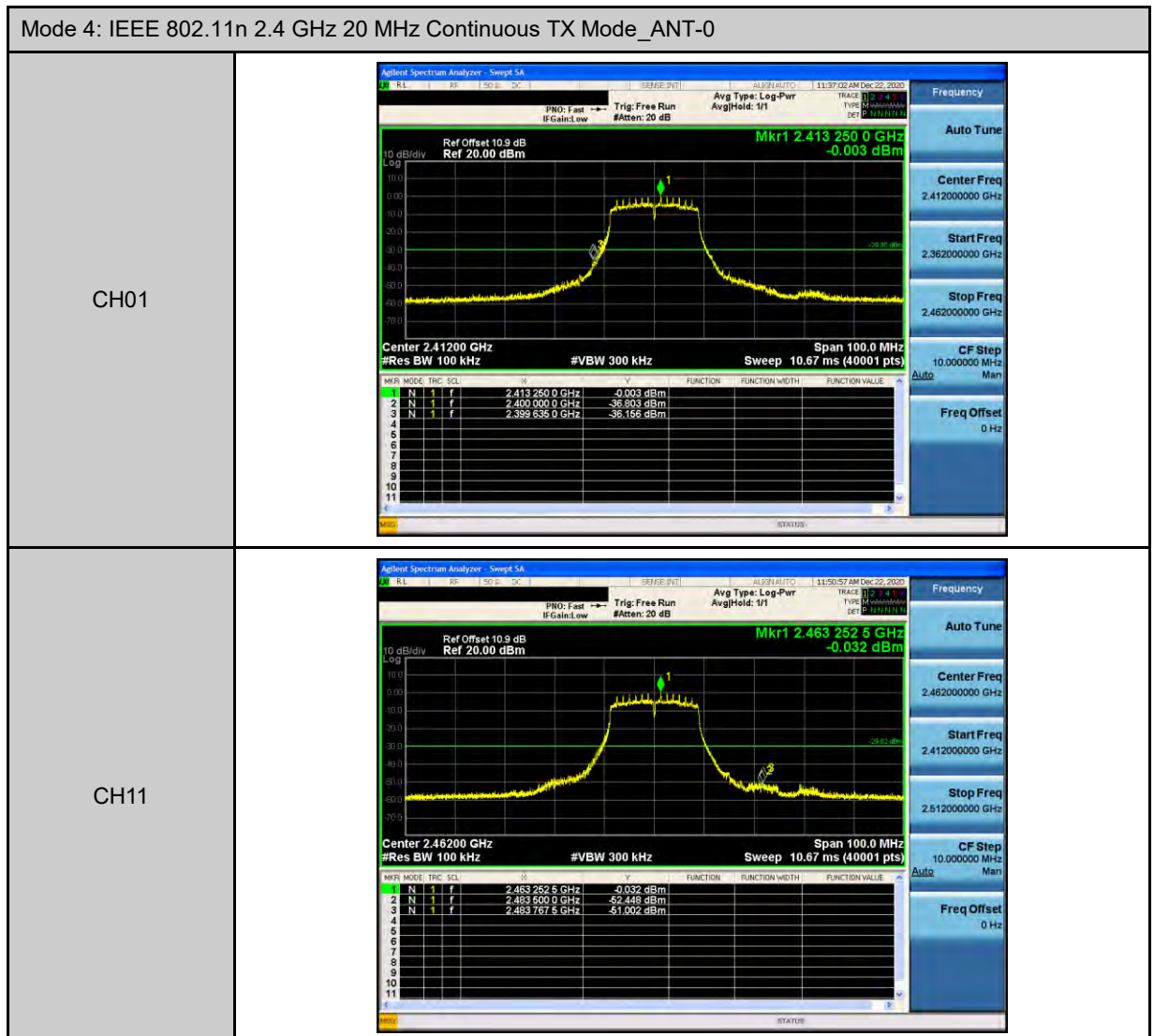
CH01

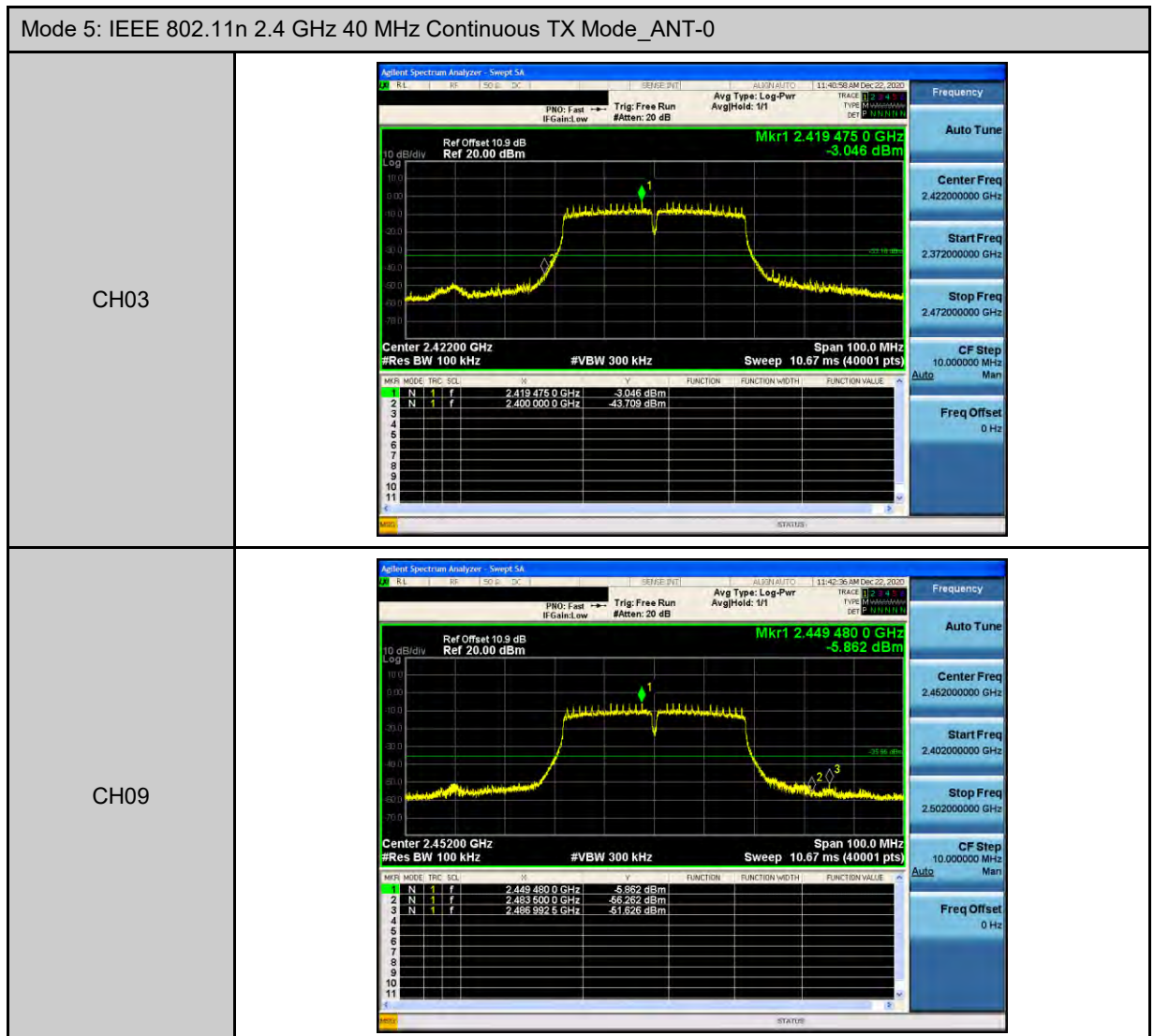


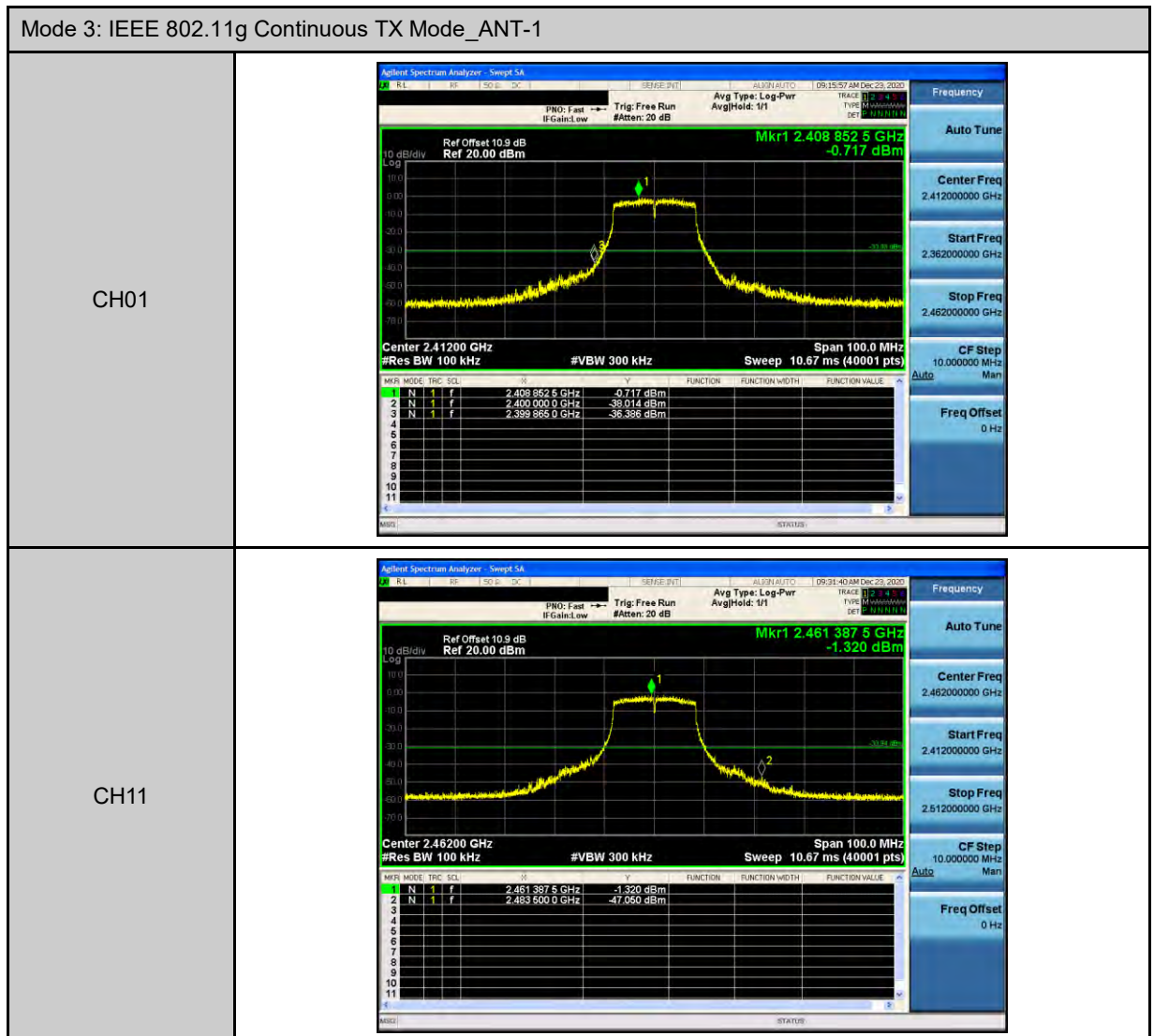
CH11

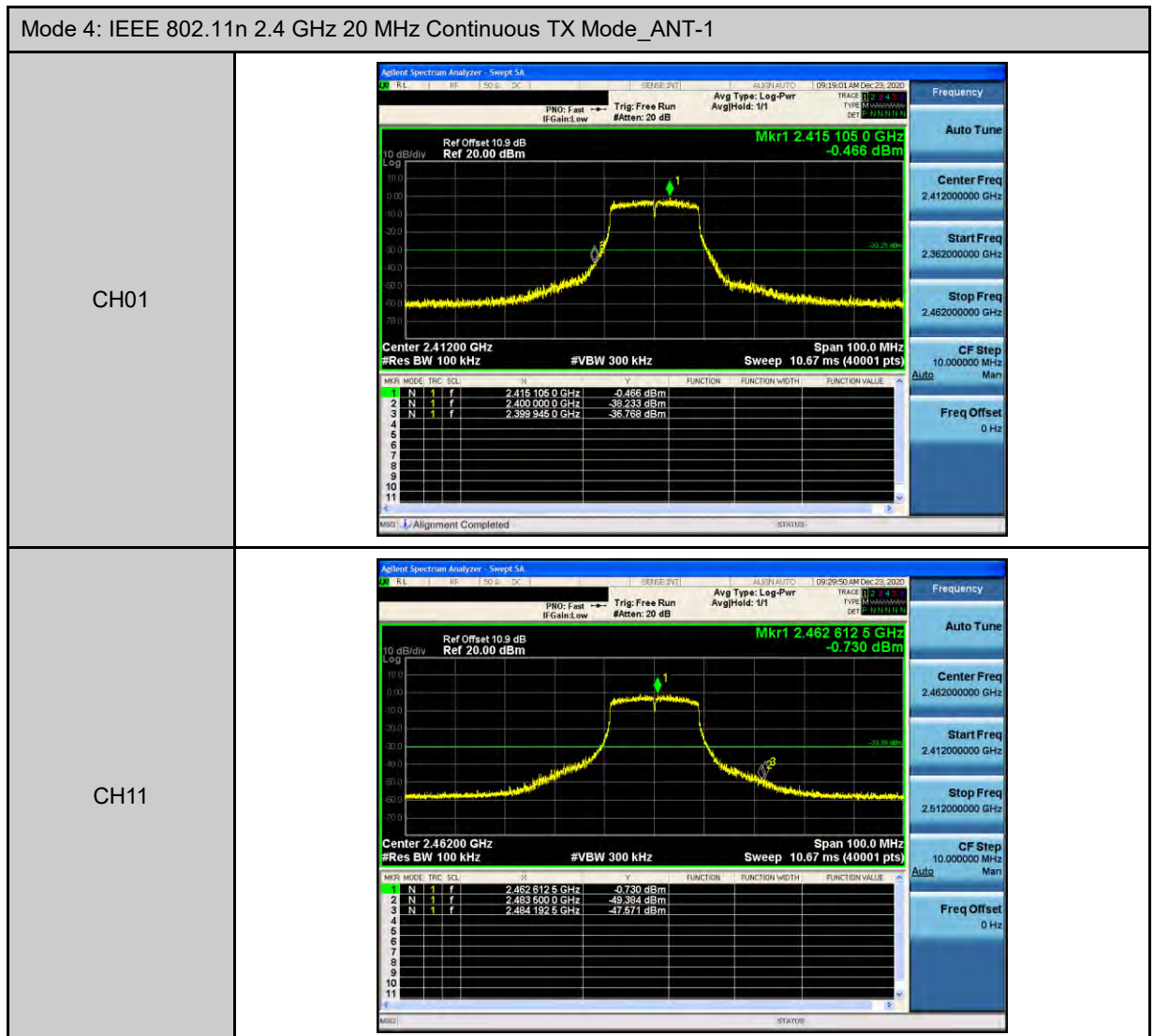


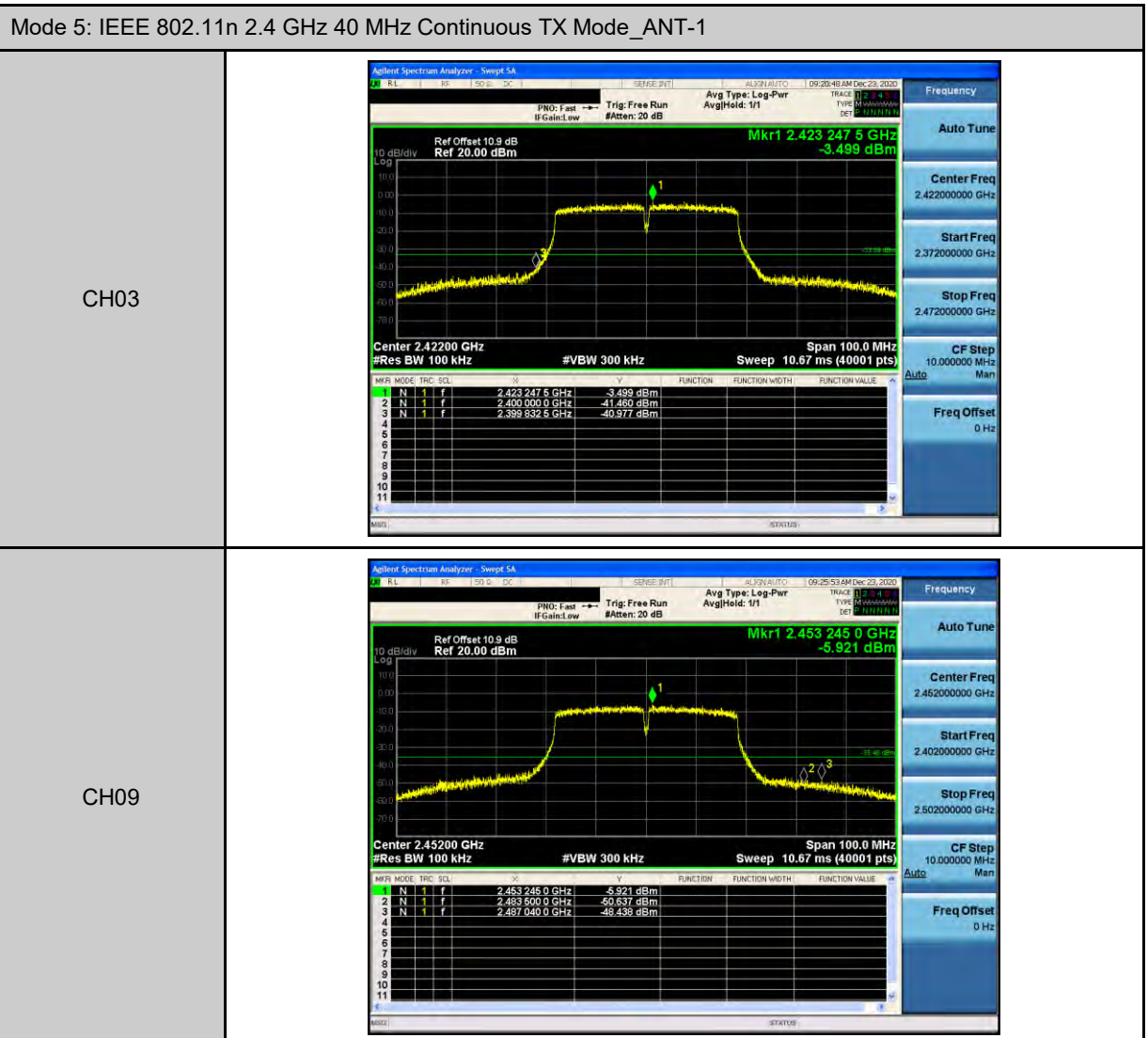






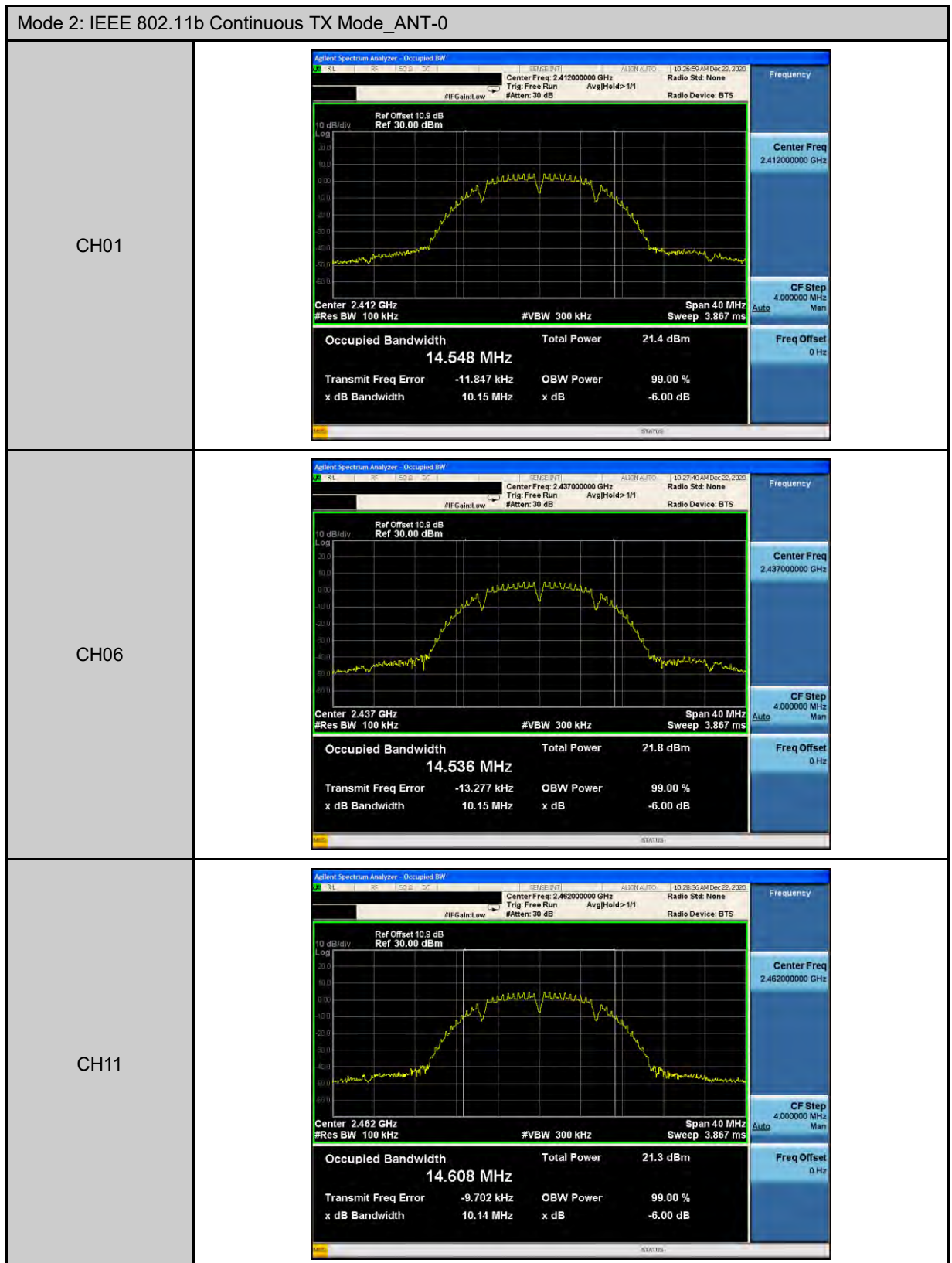


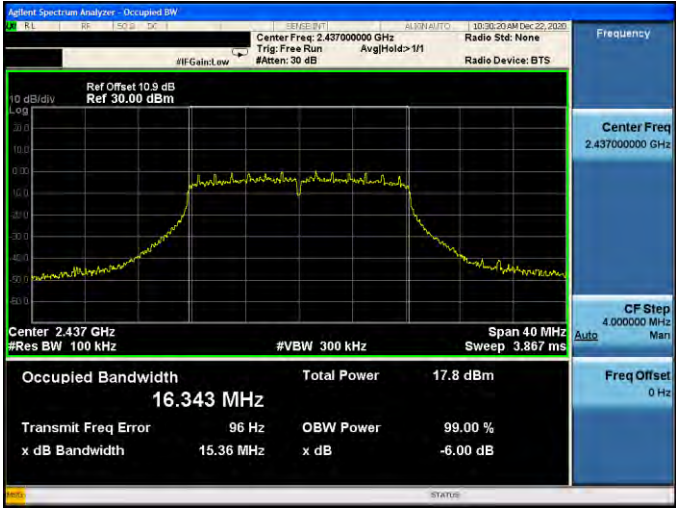


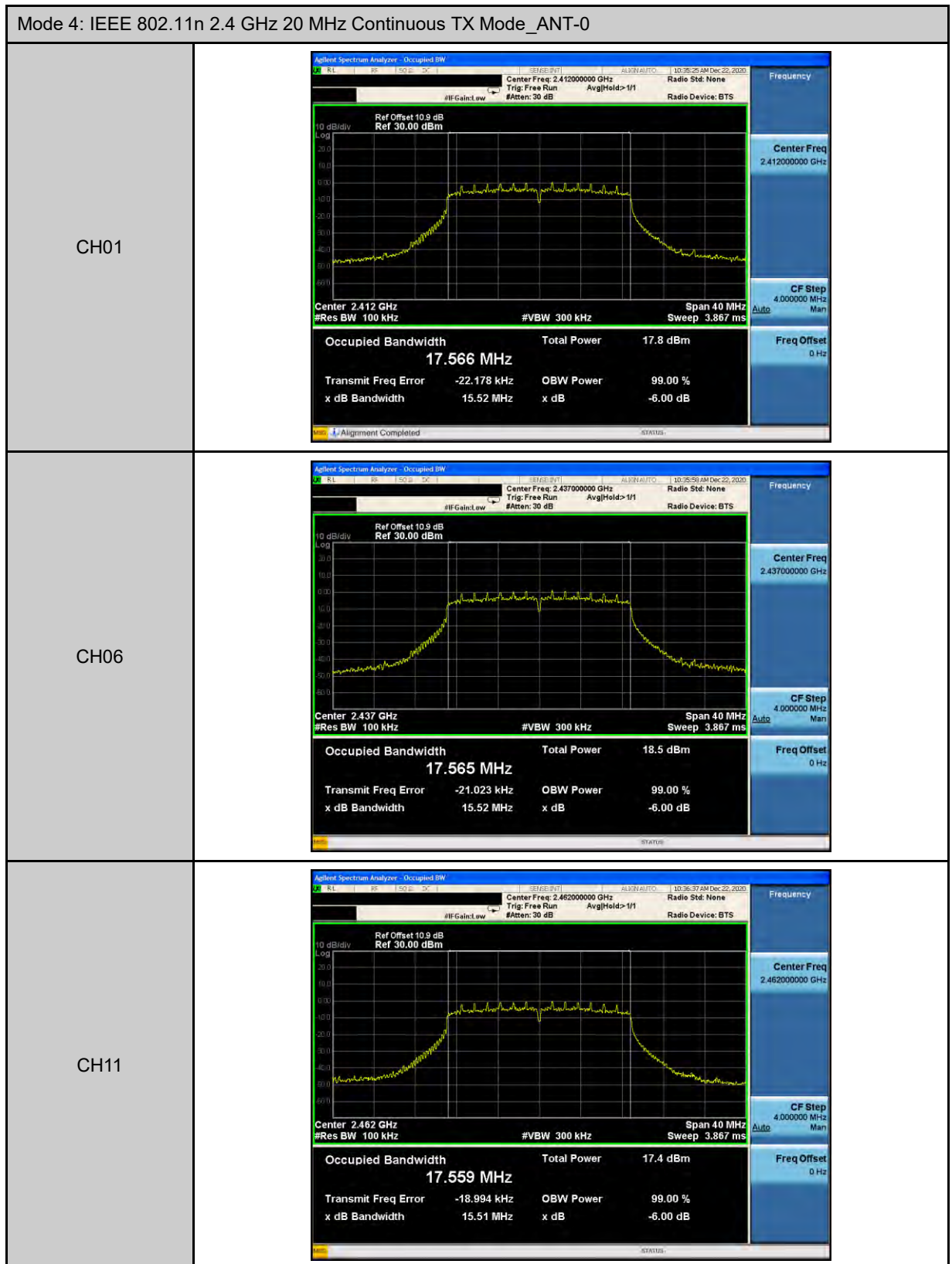


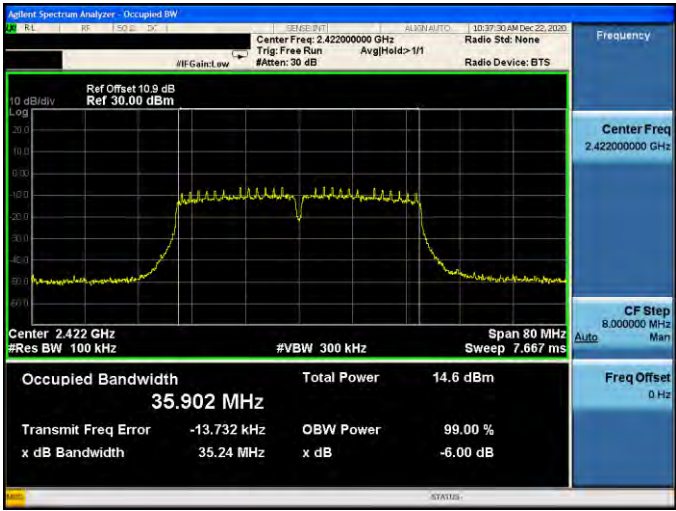
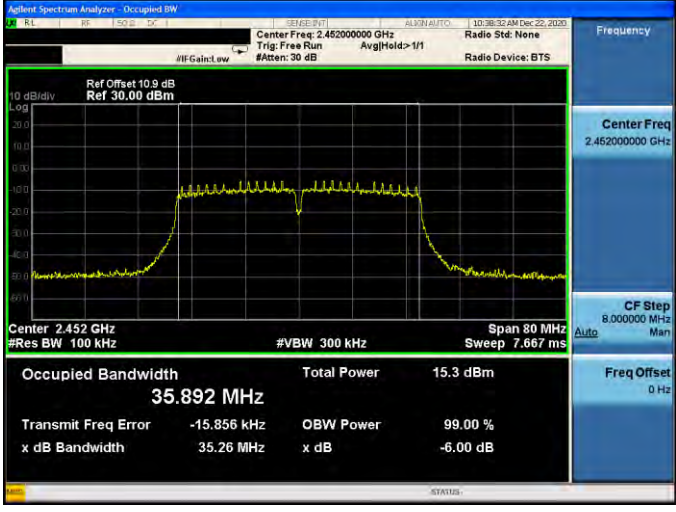
## 6 dB Bandwidth

| 操作模式   | 頻道   | 量測值 (kHz) |       | 限制值 (kHz)  |
|--------|------|-----------|-------|------------|
|        |      | ANT-0     | ANT-1 |            |
| Mode 2 | CH01 | 10150     | ---   | $\geq 500$ |
|        | CH06 | 10150     | ---   | $\geq 500$ |
|        | CH11 | 10140     | ---   | $\geq 500$ |
| Mode 3 | CH01 | 15730     | 16430 | $\geq 500$ |
|        | CH06 | 15360     | 16490 | $\geq 500$ |
|        | CH11 | 15700     | 16450 | $\geq 500$ |
| Mode 4 | CH01 | 15520     | 17630 | $\geq 500$ |
|        | CH06 | 15520     | 17640 | $\geq 500$ |
|        | CH11 | 15510     | 17650 | $\geq 500$ |
| Mode 5 | CH03 | 35240     | 36380 | $\geq 500$ |
|        | CH06 | 35270     | 36410 | $\geq 500$ |
|        | CH09 | 35260     | 36380 | $\geq 500$ |



| Mode 3: IEEE 802.11g Continuous TX Mode_ANT-0 |                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CH01                                          |  <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.41200000 GHz</p> <p>Span 40 MHz</p> <p>Occupied Bandwidth: 16.338 MHz</p> <p>Total Power: 17.2 dBm</p> <p>Transmit Freq Error: -1.486 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 15.73 MHz</p> <p>x dB: -6.00 dB</p>   |
| CH06                                          |  <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.43700000 GHz</p> <p>Span 40 MHz</p> <p>Occupied Bandwidth: 16.343 MHz</p> <p>Total Power: 17.8 dBm</p> <p>Transmit Freq Error: 96 Hz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 15.36 MHz</p> <p>x dB: -6.00 dB</p>       |
| CH11                                          |  <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.46200000 GHz</p> <p>Span 40 MHz</p> <p>Occupied Bandwidth: 16.338 MHz</p> <p>Total Power: 17.1 dBm</p> <p>Transmit Freq Error: -3.147 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 15.70 MHz</p> <p>x dB: -6.00 dB</p> |



| Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-0 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CH03                                                         |  <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.42200000 GHz<br/>Trig: Free Run<br/>#Atten: 30 dB<br/>Radio Device: BTS</p> <p>Ref Offset 10.9 dB<br/>Ref 30.00 dBm</p> <p>Center 2.422 GHz<br/>#Res BW 100 kHz<br/>#VBW 300 kHz<br/>Span 80 MHz<br/>Sweep 7.667 ms</p> <p>Occupied Bandwidth <b>35.902 MHz</b><br/>Total Power 14.6 dBm<br/>Transmit Freq Error -13.732 kHz<br/>OBW Power 99.00 %<br/>x dB Bandwidth 35.24 MHz<br/>x dB -6.00 dB</p> <p>Frequency<br/>Center Freq 2.42200000 GHz<br/>CF Step 8.000000 MHz<br/>Freq Offset 0 Hz</p>   |
| CH06                                                         |  <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.43700000 GHz<br/>Trig: Free Run<br/>#Atten: 30 dB<br/>Radio Device: BTS</p> <p>Ref Offset 10.9 dB<br/>Ref 30.00 dBm</p> <p>Center 2.437 GHz<br/>#Res BW 100 kHz<br/>#VBW 300 kHz<br/>Span 80 MHz<br/>Sweep 7.667 ms</p> <p>Occupied Bandwidth <b>35.881 MHz</b><br/>Total Power 18.6 dBm<br/>Transmit Freq Error -12.253 kHz<br/>OBW Power 99.00 %<br/>x dB Bandwidth 35.27 MHz<br/>x dB -6.00 dB</p> <p>Frequency<br/>Center Freq 2.43700000 GHz<br/>CF Step 8.000000 MHz<br/>Freq Offset 0 Hz</p>  |
| CH09                                                         |  <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.45200000 GHz<br/>Trig: Free Run<br/>#Atten: 30 dB<br/>Radio Device: BTS</p> <p>Ref Offset 10.9 dB<br/>Ref 30.00 dBm</p> <p>Center 2.452 GHz<br/>#Res BW 100 kHz<br/>#VBW 300 kHz<br/>Span 80 MHz<br/>Sweep 7.667 ms</p> <p>Occupied Bandwidth <b>35.892 MHz</b><br/>Total Power 15.3 dBm<br/>Transmit Freq Error -15.856 kHz<br/>OBW Power 99.00 %<br/>x dB Bandwidth 35.26 MHz<br/>x dB -6.00 dB</p> <p>Frequency<br/>Center Freq 2.45200000 GHz<br/>CF Step 8.000000 MHz<br/>Freq Offset 0 Hz</p> |

| Mode 3: IEEE 802.11g Continuous TX Mode_ANT-1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CH01                                          |  <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.41200000 GHz<br/>Trig: Free Run<br/>#Atten: 30 dB<br/>Radio Device: BTS</p> <p>Ref Offset 10.9 dB<br/>Ref 30.00 dBm</p> <p>Center 2.412 GHz<br/>#Res BW 100 kHz<br/>#VBW 300 kHz<br/>Span 40 MHz<br/>Sweep 3.867 ms</p> <p>Occupied Bandwidth 16.378 MHz<br/>Total Power 15.2 dBm</p> <p>Transmit Freq Error -17.292 kHz<br/>OBW Power 99.00 %<br/>x dB Bandwidth 16.43 MHz x dB -6.00 dB</p> <p>Frequency<br/>Center Freq 2.41200000 GHz<br/>CF Step 4.000000 MHz<br/>Freq Offset 0 Hz</p>   |
| CH06                                          |  <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.43700000 GHz<br/>Trig: Free Run<br/>#Atten: 30 dB<br/>Radio Device: BTS</p> <p>Ref Offset 10.9 dB<br/>Ref 30.00 dBm</p> <p>Center 2.437 GHz<br/>#Res BW 100 kHz<br/>#VBW 300 kHz<br/>Span 40 MHz<br/>Sweep 3.867 ms</p> <p>Occupied Bandwidth 16.399 MHz<br/>Total Power 16.9 dBm</p> <p>Transmit Freq Error -12.502 kHz<br/>OBW Power 99.00 %<br/>x dB Bandwidth 16.49 MHz x dB -6.00 dB</p> <p>Frequency<br/>Center Freq 2.43700000 GHz<br/>CF Step 4.000000 MHz<br/>Freq Offset 0 Hz</p>  |
| CH11                                          |  <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.46200000 GHz<br/>Trig: Free Run<br/>#Atten: 30 dB<br/>Radio Device: BTS</p> <p>Ref Offset 10.9 dB<br/>Ref 30.00 dBm</p> <p>Center 2.462 GHz<br/>#Res BW 100 kHz<br/>#VBW 300 kHz<br/>Span 40 MHz<br/>Sweep 3.867 ms</p> <p>Occupied Bandwidth 16.396 MHz<br/>Total Power 16.3 dBm</p> <p>Transmit Freq Error -24.112 kHz<br/>OBW Power 99.00 %<br/>x dB Bandwidth 16.45 MHz x dB -6.00 dB</p> <p>Frequency<br/>Center Freq 2.46200000 GHz<br/>CF Step 4.000000 MHz<br/>Freq Offset 0 Hz</p> |

| Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CH01                                                         |  <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.412000000 GHz<br/>Trig: Free Run<br/>#Atten: 30 dB<br/>Radio Device: BTS</p> <p>Ref Offset 10.9 dB<br/>Ref 30.00 dBm</p> <p>Center 2.412 GHz<br/>#Res BW 100 kHz<br/>#VBW 300 kHz<br/>Span 40 MHz<br/>Sweep 3.867 ms</p> <p>Occupied Bandwidth <b>17.557 MHz</b><br/>Total Power 16.8 dBm</p> <p>Transmit Freq Error -19.732 kHz<br/>OBW Power 99.00 %<br/>x dB Bandwidth 17.63 MHz x dB -6.00 dB</p> <p>Frequency<br/>Center Freq 2.412000000 GHz<br/>CF Step 4.000000 MHz<br/>Freq Offset 0 Hz</p>   |
| CH06                                                         |  <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.437000000 GHz<br/>Trig: Free Run<br/>#Atten: 30 dB<br/>Radio Device: BTS</p> <p>Ref Offset 10.9 dB<br/>Ref 30.00 dBm</p> <p>Center 2.437 GHz<br/>#Res BW 100 kHz<br/>#VBW 300 kHz<br/>Span 40 MHz<br/>Sweep 3.867 ms</p> <p>Occupied Bandwidth <b>17.571 MHz</b><br/>Total Power 17.5 dBm</p> <p>Transmit Freq Error -22.233 kHz<br/>OBW Power 99.00 %<br/>x dB Bandwidth 17.64 MHz x dB -6.00 dB</p> <p>Frequency<br/>Center Freq 2.437000000 GHz<br/>CF Step 4.000000 MHz<br/>Freq Offset 0 Hz</p>  |
| CH11                                                         |  <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.462000000 GHz<br/>Trig: Free Run<br/>#Atten: 30 dB<br/>Radio Device: BTS</p> <p>Ref Offset 10.9 dB<br/>Ref 30.00 dBm</p> <p>Center 2.462 GHz<br/>#Res BW 100 kHz<br/>#VBW 300 kHz<br/>Span 40 MHz<br/>Sweep 3.867 ms</p> <p>Occupied Bandwidth <b>17.573 MHz</b><br/>Total Power 17.2 dBm</p> <p>Transmit Freq Error -24.292 kHz<br/>OBW Power 99.00 %<br/>x dB Bandwidth 17.65 MHz x dB -6.00 dB</p> <p>Frequency<br/>Center Freq 2.462000000 GHz<br/>CF Step 4.000000 MHz<br/>Freq Offset 0 Hz</p> |

| Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CH03                                                         |  <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.42200000 GHz<br/>Trig: Free Run<br/>#Atten: 30 dB<br/>Radio Device: BTS</p> <p>Ref Offset 10.9 dB<br/>Ref 30.00 dBm</p> <p>Center 2.422 GHz<br/>#Res BW 100 kHz<br/>#VBW 300 kHz<br/>Span 80 MHz<br/>Sweep 7.667 ms</p> <p>Occupied Bandwidth: 36.011 MHz<br/>Total Power: 13.0 dBm</p> <p>Transmit Freq Error: -18.636 kHz<br/>OBW Power: 99.00 %<br/>x dB Bandwidth: 36.38 MHz<br/>x dB: -6.00 dB</p> <p>Frequency: Center Freq 2.42200000 GHz<br/>CF Step 8.000000 MHz<br/>Freq Offset 0 Hz</p>   |
| CH06                                                         |  <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.43700000 GHz<br/>Trig: Free Run<br/>#Atten: 30 dB<br/>Radio Device: BTS</p> <p>Ref Offset 10.9 dB<br/>Ref 30.00 dBm</p> <p>Center 2.437 GHz<br/>#Res BW 100 kHz<br/>#VBW 300 kHz<br/>Span 80 MHz<br/>Sweep 7.667 ms</p> <p>Occupied Bandwidth: 36.063 MHz<br/>Total Power: 18.1 dBm</p> <p>Transmit Freq Error: -12.199 kHz<br/>OBW Power: 99.00 %<br/>x dB Bandwidth: 36.41 MHz<br/>x dB: -6.00 dB</p> <p>Frequency: Center Freq 2.43700000 GHz<br/>CF Step 8.000000 MHz<br/>Freq Offset 0 Hz</p>  |
| CH09                                                         |  <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.45200000 GHz<br/>Trig: Free Run<br/>#Atten: 30 dB<br/>Radio Device: BTS</p> <p>Ref Offset 10.9 dB<br/>Ref 30.00 dBm</p> <p>Center 2.452 GHz<br/>#Res BW 100 kHz<br/>#VBW 300 kHz<br/>Span 80 MHz<br/>Sweep 7.667 ms</p> <p>Occupied Bandwidth: 36.002 MHz<br/>Total Power: 15.7 dBm</p> <p>Transmit Freq Error: -45.855 kHz<br/>OBW Power: 99.00 %<br/>x dB Bandwidth: 36.38 MHz<br/>x dB: -6.00 dB</p> <p>Frequency: Center Freq 2.45200000 GHz<br/>CF Step 8.000000 MHz<br/>Freq Offset 0 Hz</p> |

## Maximum Power Spectral Density

| 操作模式   | 頻道   | 量測值 (dBm) |         | 計算值 (dBm) | 限制值<br>(dBm/3 kHz) |
|--------|------|-----------|---------|-----------|--------------------|
|        |      | ANT-0     | ANT-1   | ANT-0+1   |                    |
| Mode 2 | CH01 | -9.482    | ---     | ---       | $\leq 8.00$        |
|        | CH06 | -9.786    | ---     | ---       | $\leq 8.00$        |
|        | CH11 | -9.954    | ---     | ---       | $\leq 8.00$        |
| Mode 3 | CH01 | -16.025   | -16.569 | -13.278   | $\leq 8.00$        |
|        | CH06 | -14.760   | -14.931 | -11.834   | $\leq 8.00$        |
|        | CH11 | -15.464   | -15.962 | -12.696   | $\leq 8.00$        |
| Mode 4 | CH01 | -15.361   | -15.463 | -12.401   | $\leq 8.00$        |
|        | CH06 | -14.446   | -14.766 | -11.593   | $\leq 8.00$        |
|        | CH11 | -15.483   | -15.576 | -12.519   | $\leq 8.00$        |
| Mode 5 | CH03 | -16.999   | -17.231 | -14.103   | $\leq 8.00$        |
|        | CH06 | -16.927   | -17.360 | -14.128   | $\leq 8.00$        |
|        | CH09 | -20.227   | -20.016 | -17.110   | $\leq 8.00$        |

