晶復科技股份有限公司
A Test Lab Techno Corp.

低功率射頻電機試驗報告

報告編號	2009DR42
版本(Rev.)	01
產品名稱	HUAWEI MateBook D 15(Bluetooth/WLAN/NFC)
申請廠商	訊崴技術有限公司
廠牌	HUAWEI
型式 (號)	Boh-WAQ9R
產品試驗依據之標準	低功率射頻電機技術規範(LP0002) 107 年 1 月 10 日
報告發行日期	109 年 09 月 29 日

填發本型式認可報告之試驗機構 (認可代號)

晶復科技股份有限公司
33465 桃園市八德區長安街 140-1 號
Tel：03-2710188 / Fax：03-2710190

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：低功率射頻電機技術規範(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 (Rev.)	發行日期	修訂內容	修訂者
00	109 年 09 月 21 日	初版發行	鄭安蓁
01	109 年 09 月 29 日	更新 2.1 章節 (P.9) 更新 4.1 章節 (P.28~P.31) 更新 4.2.1 章節 (P.37~P.38) 更新 4.3.1 章節 (P.160~P.161)	鄭安蓁

低功率射頻電機測試證明書

產 品 名 稱 ：HUAWEI MateBook D 15(Bluetooth/WLAN/NFC)

廠 牌 ：HUAWEI

型 號 ：Boh-WAQ9R

申 請 廠 商 ：訊崴技術有限公司

申請者地址 ：臺北市內湖區洲子街55、57號3樓

製 造 廠 商 ：Huawei Technologies Co., Ltd.

製造商地址 ：Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen

待測物電壓 ：INPUT：DC 20 V, 3.25 A
OUTPUT：PD DC 5 V, 2 A

試 驗 電 壓 ：110 Vac, 60 Hz

量 測 規 範 ：低功率射頻電機技術規範(LP0002) 107年1月10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)

試驗受理日期 ：109 年 04 月 13 日

試 驗 日 期 ：109 年 04 月 17 日 ~ 109 年 09 月 16 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電機技術規範(LP0002)所規定的各項限制值。

特 此 證 明 ！

審 核 者： 林志豪

(林 志 豪)

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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 D 15(Bluetooth/WLAN/NFC)	
廠 牌	HUAWEI	
型 號	Boh-WAQ9R	
額 定 電 源	INPUT：DC 20 V, 3.25 A OUTPUT：PD DC 5 V, 2 A	
調 變 方 式	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n 2.4 GHz 20 MHz / 40 MHz: OFDM IEEE 802.11a U-NII Band: OFDM IEEE 802.11n 5 GHz 20 MHz / 40 MHz U-NII Band: OFDM IEEE 802.11ac 20 MHz / 40 MHz / 80 MHz U-NII Band: OFDM *此產品之不具有動態選擇(DFS)之雷達偵測功能 (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 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 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 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 IEEE 802.11ac 20 MHz U-NII Band III	5745 – 5825
	IEEE 802.11n 5 GHz 40 MHz U-NII Band I IEEE 802.11ac 40 MHz U-NII Band I	5190 – 5230
	IEEE 802.11n 5 GHz 40 MHz U-NII Band II-A IEEE 802.11ac 40 MHz U-NII Band II-A	5270 – 5310
	IEEE 802.11n 5 GHz 40 MHz U-NII Band II-C IEEE 802.11ac 40 MHz U-NII Band II-C	5510 – 5670
	IEEE 802.11n 5 GHz 40 MHz U-NII Band III 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

	Antenna	製造商	型號	型態	增益值(dBi)	
					2.4 GHz	5 GHz
天 線 資 訊	ANT-0	Taiwan INPAQ Technology Corporation	WA-P-LBLB-04-065	PIFA Antenna	1.00	1.00
	ANT-1	Taiwan INPAQ Technology Corporation	WA-P-LBLB-04-065	PIFA Antenna	1.00	1.00
	Directional Gain				4.01	4.01

RF 最大輸出功率	Mode	Power	
	IEEE 802.11b	22.28 dBm	0.169 W
	IEEE 802.11g	22.35 dBm	0.172 W
	IEEE 802.11n 2.4 GHz 20 MHz	22.47 dBm	0.177 W
	IEEE 802.11n 2.4 GHz 40 MHz	19.38 dBm	0.087 W
	IEEE 802.11a U-NII Band I	22.33 dBm	0.171 W
	IEEE 802.11a U-NII Band II-A	22.30 dBm	0.170 W
	IEEE 802.11a U-NII Band II-C	22.30 dBm	0.170 W
	IEEE 802.11a U-NII Band III	22.29 dBm	0.169 W
	IEEE 802.11n 5 GHz 20 MHz U-NII Band I	22.30 dBm	0.170 W
	IEEE 802.11n 5 GHz 20 MHz U-NII Band II-A	22.35 dBm	0.172 W
	IEEE 802.11n 5 GHz 20 MHz U-NII Band II-C	22.31 dBm	0.170 W
	IEEE 802.11n 5 GHz 20 MHz U-NII Band III	22.26 dBm	0.168 W
	IEEE 802.11n 5 GHz 40 MHz U-NII Band I	21.28 dBm	0.134 W
	IEEE 802.11n 5 GHz 40 MHz U-NII Band II-A	21.29 dBm	0.134 W
	IEEE 802.11n 5 GHz 40 MHz U-NII Band II-C	21.30 dBm	0.135 W
	IEEE 802.11n 5 GHz 40 MHz U-NII Band III	21.22 dBm	0.132 W
	IEEE 802.11ac 20 MHz U-NII Band I	22.33 dBm	0.171 W
	IEEE 802.11ac 20 MHz U-NII Band II-A	22.39 dBm	0.173 W
	IEEE 802.11ac 20 MHz U-NII Band II-C	22.37 dBm	0.172 W
	IEEE 802.11ac 20 MHz U-NII Band III	22.30 dBm	0.170 W
	IEEE 802.11ac 40 MHz U-NII Band I	21.34 dBm	0.136 W
	IEEE 802.11ac 40 MHz U-NII Band II-A	21.35 dBm	0.136 W
	IEEE 802.11ac 40 MHz U-NII Band II-C	21.33 dBm	0.136 W
	IEEE 802.11ac 40 MHz U-NII Band III	21.28 dBm	0.134 W
	IEEE 802.11ac 80 MHz U-NII Band I	21.13 dBm	0.130 W
	IEEE 802.11ac 80 MHz U-NII Band II-A	21.32 dBm	0.135 W
	IEEE 802.11ac 80 MHz U-NII Band II-C	21.35 dBm	0.136 W
	IEEE 802.11ac 80 MHz U-NII Band III	21.33 dBm	0.136 W

輸出/輸入埠說明：

輸 出 / 入 埠		數量	介面內容說明
1	USB Type-C Port	1	連接至電源供應器
2	USB Port	3	連接至滑鼠/外接式硬碟
3	HDMI Port	1	連接至液晶螢幕
4	Audio Port	1	連接至耳機麥克風

待測設備外圍說明：

電 源 線 類 別	本產品透過 USB Cable 供電，請參見下列附屬裝置表
附 屬 裝 置	請參見下列附屬裝置表

附屬裝置表:

裝置名稱	廠牌	型號	備註
內建固定式電池	HUAWEI	HB4692J5ECW-31	11.46 VDC, 3665 mAh 製造商(1): Shenzhen Sunwoda Intelligence Technology Co., Ltd 製造商(2): Huizhou Desay Battery Co.,Ltd. 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 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 Shielded, 1.8 m

1.2 其他相關聲明

本測試報告屬(以下選擇一種打■)

□	申請新的型式檢驗認可的測試.
■	已取得型式檢驗認可之商品,因設計變更而重新測試 (變更內容請參考產品概述). 登錄號碼: CCAK20LP0720T6

機型版別之差異說明

<table>
<tr><th>機型廠牌、型號</th><th>差異敘述</th></tr>
<tr><td>HUAWEI /
Boh-WAQ9R</td><td>因市場銷售需求，增列一款M.2 SSD 512 GB之硬碟(廠牌：Lite-On, 型號：CA3-8D512)及產品外觀顏色，其餘電路設計、印刷電路板等等並無變更。
產品販售版本：
<table>
<tr><th>項次</th><th>RAM</th><th>SSD</th><th>HDD</th></tr>
<tr><td>1</td><td>8 GB</td><td>256 GB</td><td>1 TB</td></tr>
<tr><td>2</td><td>8 GB</td><td>256 GB</td><td>---</td></tr>
<tr><td>3</td><td>8 GB</td><td>512 GB</td><td>---</td></tr>
</table>
*本次核備項次3

測試結果說明：
經工程判定其差異須驗證電源傳導及場強輻射其它不必要之訊號(1 GHz以下)測試，結果為原案數據較為Worst，因此數據引用原報告編號：2004DR80 Rev.02。</td></tr>
</table>

2. 量測儀器及測試配置說明

2.1 量測設備

For Conducted
Test Period: Apr. 17 ~ Apr. 25, 2020
測試者: 邱孝儒

名 稱	廠 牌	型 號	序 號	本次校驗日期	校驗年限
Spectrum Analyzer (20 Hz~26.5 GHz)	Agilent	N9020A	US47520902	09/18/2019	1 year
Power Sensor	Anritsu	MA2411B	1126022	09/03/2019	1 year
Power Meter	Anritsu	ML2495A	1135009	09/03/2019	1 year

For Conducted Emission
Test Period: Apr. 24, 2020 / Sep. 15, 2020
測試者: 申世傑/呂廸曄

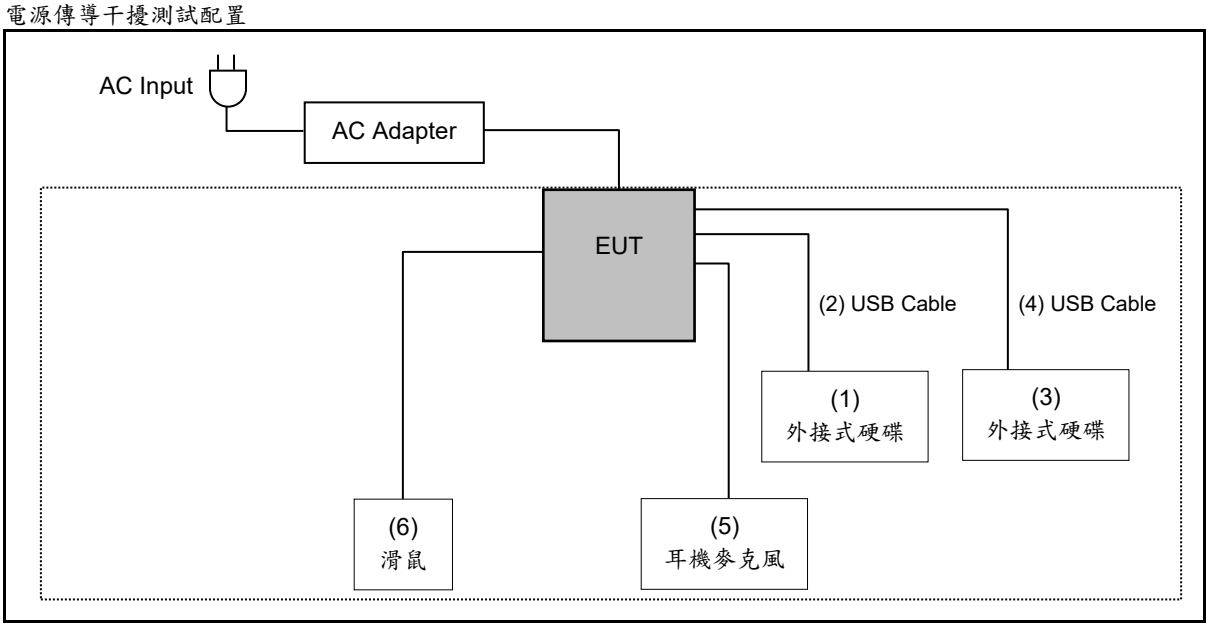
名 稱	廠 牌	型 號	序 號	本次校驗日期	校驗年限
測試接收機 (9 kHz~3 GHz)	R&S	ESCI	100367	05/23/2019 05/25/2020	1 year
線性阻抗模擬網路	R&S	ENV216	101040	03/23/2020	1 year
線性阻抗模擬網路	R&S	ENV216	101041	04/06/2020	1 year

For Radiated Emissions
Test Period: Apr. 22 ~ Apr. 25, 2020 / Sep. 16, 2020
測試者: 劉彥聖, 廖經雄, 葉佳原

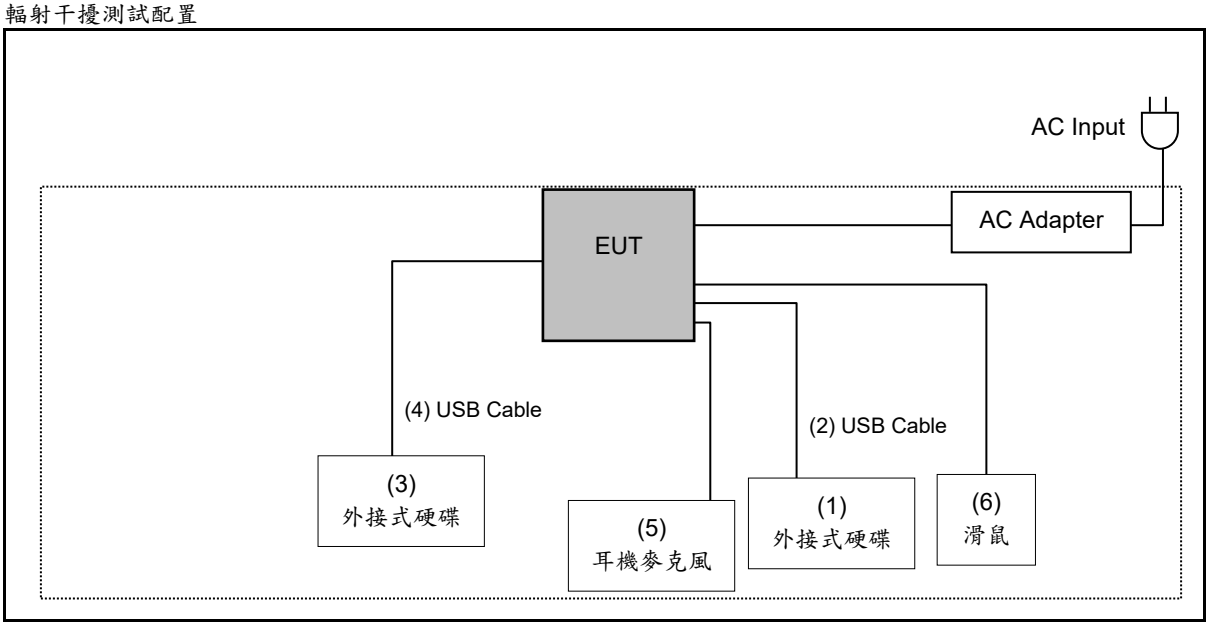
名 稱	廠 牌	型 號	序 號	本次校驗日期	校驗年限
EXA Signal Analyzer	Keysight	N9010A	MY52221312	01/13/2020	1 year
Amplifier	Agilent	8449B	3008A02237	10/18/2019	1 year
Amplifier	Agilent	8447D	2944A11119	01/15/2020	1 year
Preamplifier	EMCI	EMC2654045	980028	08/23/2019	1 year
天線	SCHWARZBECK MESS-ELEKTRONIK	VULB 9168	416	10/23/2019	1 year
天線(1~18 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	08/22/2019	1 year
天線(18~40 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	08/14/2019	1 year

2.2 檢驗系統示意圖

電源傳導干擾測試配置

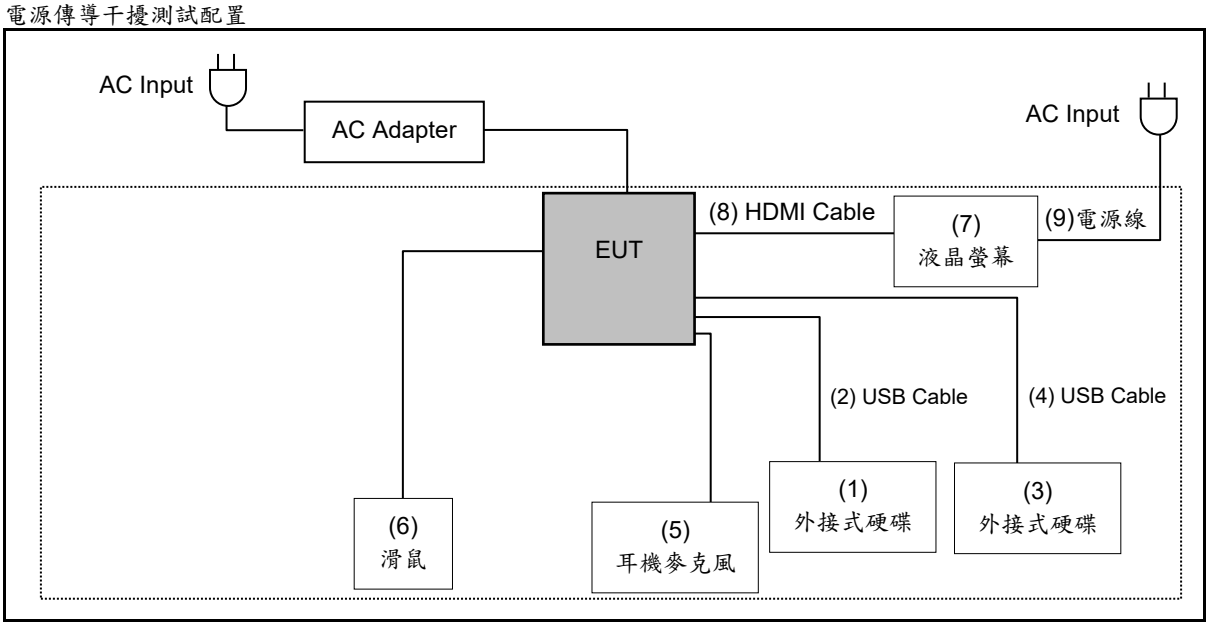


輻射干擾測試配置

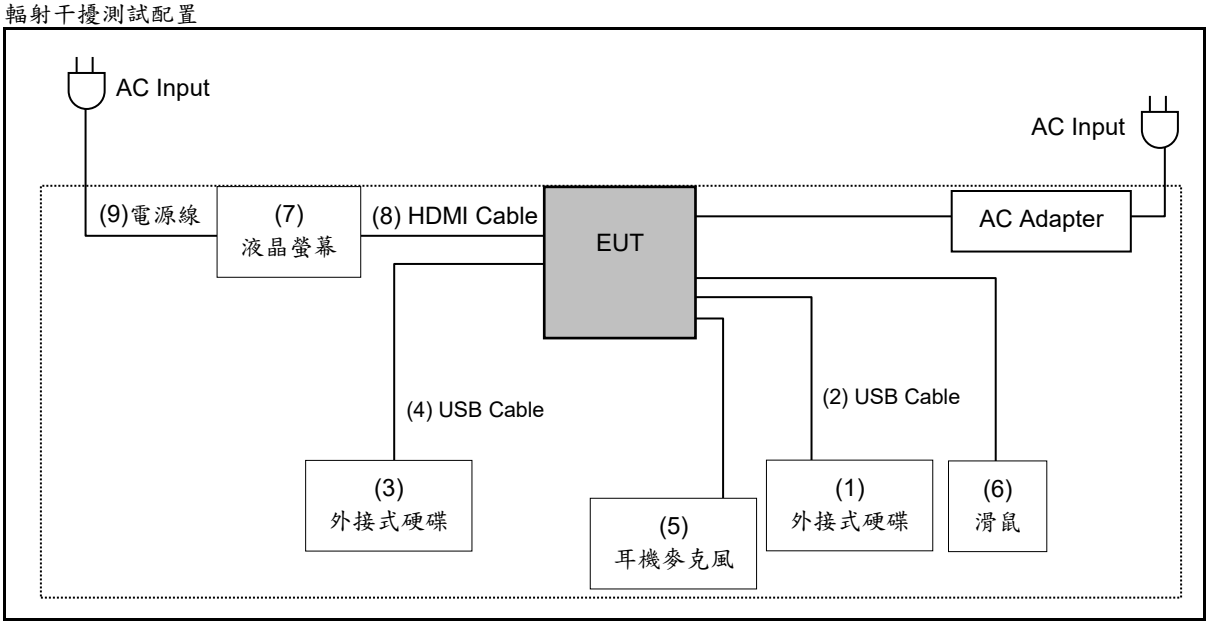


With HDMI

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	序 號	電源線	備註
(1)	外接式硬碟	Transend	TS1TSJ25A3K-RU	D72654-2243	---	(實驗室提供)
(2)	USB Cable	Transend	TS1TSJ25A3K-RU	---	---	長度 : 1.25 m (實驗室提供)
(3)	外接式硬碟	Transend	TS1TSJ25A3K-RU	D72654-2240	---	(實驗室提供)
(4)	USB Cable	Transend	TS1TSJ25A3K-RU	---	---	長度 : 1.25 m (實驗室提供)
(5)	耳機麥克風	HUAWEI	22040296	---	---	(實驗室提供)
(6)	滑鼠	DELL	MOCZUL	---	---	(實驗室提供)
(7)	液晶螢幕	DELL	U2711	CN-OWOV21-74261-139-OCOL	---	(實驗室提供)
(8)	HDMI Cable	Avier	K48GHS	---	---	規格 : HDMI →HDMI 長度 : 1.7 m (實驗室提供)
(9)	電源線	I-SHENG	---	---	---	規格 : SP-301 to IS-14, 15 A, 125 V 長度 : 1.8 m (實驗室提供)

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。

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: 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.

Note 2: 經驗證測試搭配內建固定式電池製造商(2)最為 Worst。

Note 3: 場強輻射評估開啟隱藏式鏡頭及關閉隱藏式鏡頭模式，關閉隱藏式鏡頭模式為 worst case。

Test Mode	ANT-0	ANT-1	ANT-0+1
Mode 2	V	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

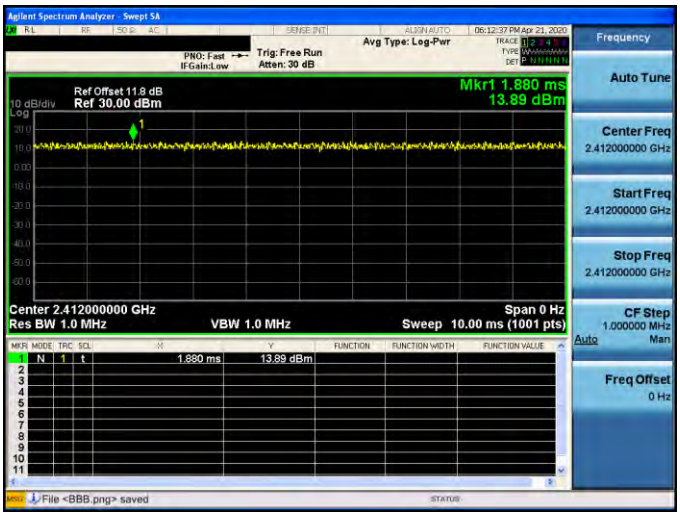
Test Mode	Antenna Delivery	Data Rate (Mbps)	Test Channel
Mode 2	2TX / 2RX (CDD)	1	1, 6, 11
Mode 3	2TX / 2RX (CDD)	6	1, 6, 11
Mode 4	2TX / 2RX (MIMO)	13	1, 6, 11
Mode 5	2TX / 2RX (MIMO)	27	3, 6, 9
Mode 6	2TX / 2RX (CDD)	6	36, 40, 48, 52, 56, 64, 100, 112, 140, 149, 157, 165
Mode 7	2TX / 2RX (MIMO)	13	36, 40, 48, 52, 56, 64, 100, 112, 140, 149, 157, 165
Mode 8	2TX / 2RX (MIMO)	27	38, 46, 54, 62, 102, 110, 134, 151, 159
Mode 9	2TX / 2RX (MIMO)	13	36, 40, 48, 52, 56, 64, 100, 112, 140, 149, 157, 165
Mode 10	2TX / 2RX (MIMO)	27	38, 46, 54, 62, 102, 110, 134, 151, 159
Mode 11	2TX / 2RX (MIMO)	58.6	42, 58, 106, 122, 155

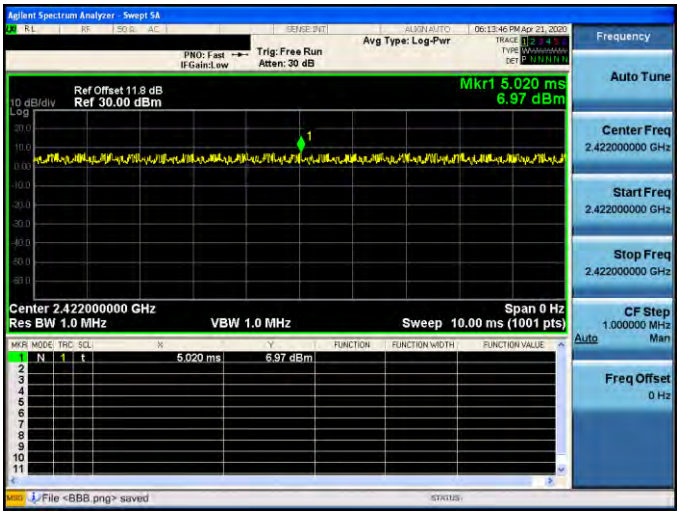
Duty cycle

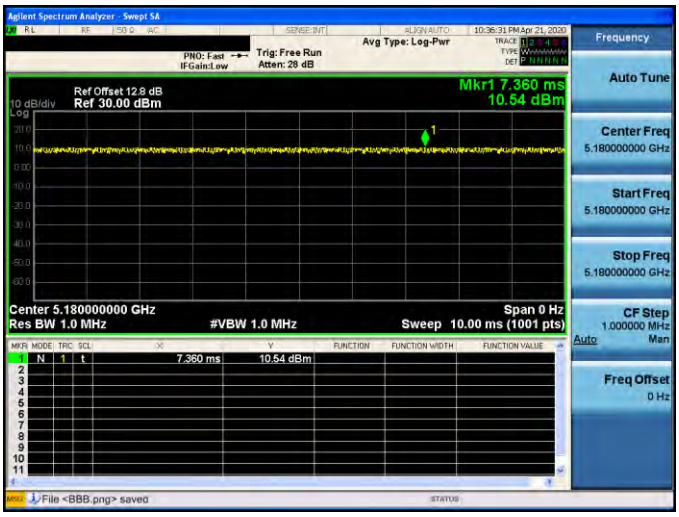
Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimun VBW (kHz)
Mode 2	2412.0	10.000	10.000	1.000	0.000	0.010
Mode 3	2412.0	10.000	10.000	1.000	0.000	0.010
Mode 4	2412.0	10.000	10.000	1.000	0.000	0.010
Mode 5	2422.0	10.000	10.000	1.000	0.000	0.010
Mode 6	5180.0	10.000	10.000	1.000	0.000	0.010
Mode 9	5180.0	10.000	10.000	1.000	0.000	0.010
Mode 10	5190.0	10.000	10.000	1.000	0.000	0.010
Mode 11	5210.0	10.000	10.000	1.000	0.000	0.010

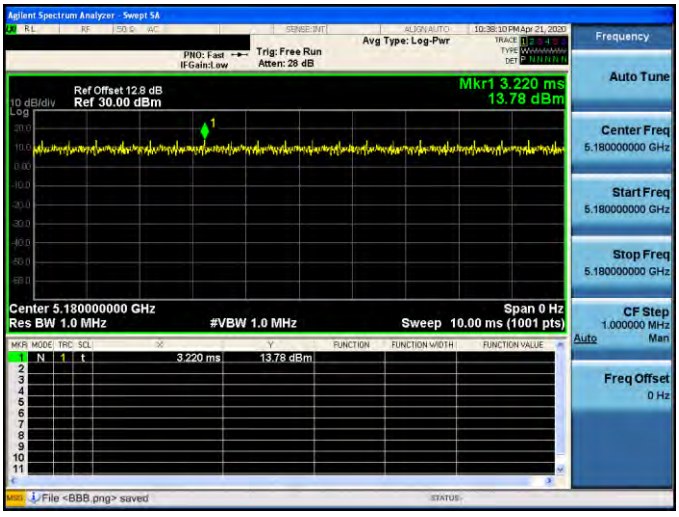
Mode 2: IEEE 802.11b Continuous TX Mode	
On+off time	

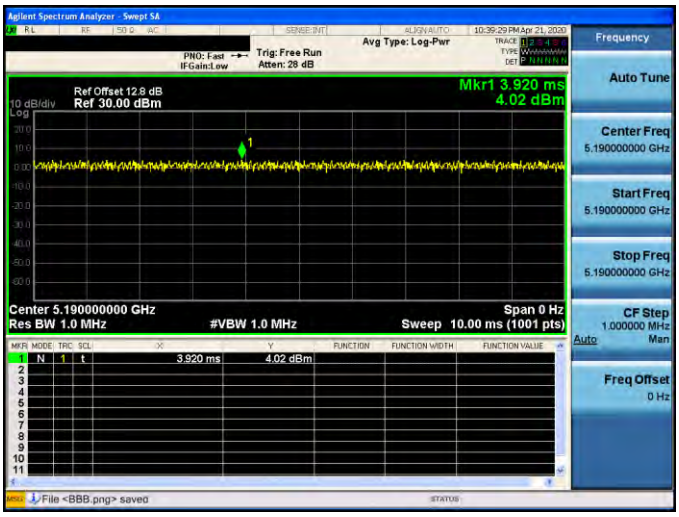
Mode 3: IEEE 802.11g Continuous TX Mode	
On+off time	

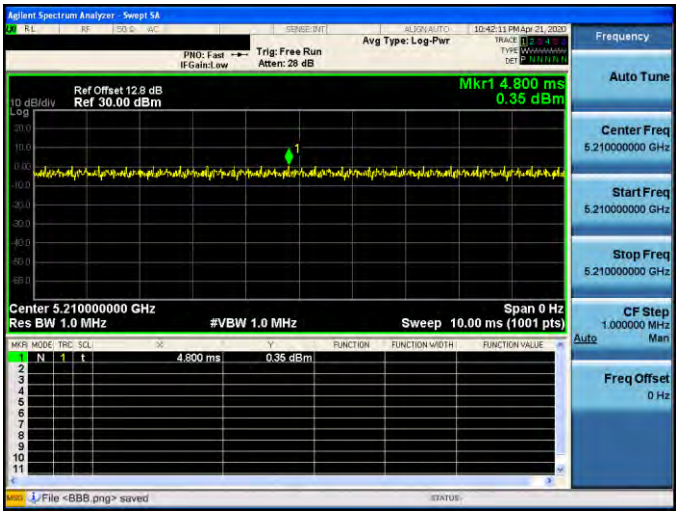
Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode	
On+off time	

Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode	
On+off time	

Mode 6: IEEE 802.11a Continuous TX Mode	
On+off time	

Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode	
On+off time	

Mode 10: IEEE 802.11ac 40 MHz Continuous TX Mode	
On+off time	

Mode 11: IEEE 802.11ac 80 MHz 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 (dB)
Conducted Emission	150 kHz ~ 30 MHz	2.68
Radiated Emission	9 kHz ~ 30 MHz	2.14
	30 MHz ~ 1000 MHz	4.99
	1000 MHz ~ 18000 MHz	4.99
	18000 MHz ~ 26500 MHz	4.23
	26500 MHz ~ 40000 MHz	4.39
Conducted Output Power		0.92 dB
RF Bandwidth		4.79 %
Power Spectral Density		0.92 dB
Frequency Stability		4.1 x 10^-8
Duty Cycle		1.06 %
Time Occupancy		1.40 %

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 低功率射頻電機技術規範(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	低功率射頻電機技術規範 2.3 節	請參閱 4.1 節	請參閱 2.1 節	符合
2	場強輻射	低功率射頻電機技術規範 2.8 節、2.9 節、3.10.1.5.(1)節	請參閱 4.2.1 節	請參閱 2.1 節	符合
3	頻帶邊緣外之輻射發射	低功率射頻電機技術規範 3.10.1.5.(1)節	請參閱 4.2.1 節	請參閱 2.1 節	符合
4	最大傳導輸出功率	低功率射頻電機技術規範 3.10.1.2(1)(C)節	請參閱 4.2.2 節	請參閱 2.1 節	符合
5	天線規格	低功率射頻電機技術規範 3.10.1.3(3)、3.10.1.4 節	請參閱 4.2.3 節	-------	符合
6	非必要頻帶	低功率射頻電機技術規範 3.10.1.5(1)節	請參閱 4.2.4 節	請參閱 2.1 節	符合
7	6 dB 頻寬	低功率射頻電機技術規範 3.10.1.6(2)(A)節	請參閱 4.2.5 節	請參閱 2.1 節	符合
8	峰值發射電功率密度	低功率射頻電機技術規範 3.10.1.6(2)(B)節	請參閱 4.2.6 節	請參閱 2.1 節	符合
9	電波暴露量之評估	低功率射頻電機技術規範 5.20.2.1 節、5.20.2.2 節	請參閱 4.3.12 節	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	低功率射頻電機技術規範 2.3 節	請參閱 4.1 節	請參閱 2.1 節	符合
2	場強輻射	低功率射頻電機技術規範 2.8 節、2.9 節	請參閱 4.3.1 節	請參閱 2.1 節	符合
3	頻帶邊緣外之輻射發射	低功率射頻電機技術規範 2.7、4.7.4 節	請參閱 4.3.1 節	請參閱 2.1 節	符合
4	非必要頻帶	低功率射頻電機技術規範 4.7.4 節	請參閱 4.3.1 節	請參閱 2.1 節	符合
5	最大傳導輸出功率	低功率射頻電機技術規範 4.7.3.1、4.7.3.2、4.7.3.3 節	請參閱 4.3.2 節	請參閱 2.1 節	符合
6	最大傳導功率頻譜密度	低功率射頻電機技術規範 4.7.3.1、4.7.3.2、4.7.3.3 節	請參閱 4.3.3 節	請參閱 2.1 節	符合
7	26 dB 頻寬之要求	N/A	請參閱 4.3.4 節	請參閱 2.1 節	----
8	6 dB 頻寬之要求	低功率射頻電機技術規範 4.7.5 節	請參閱 4.3.5 節	請參閱 2.1 節	符合
9	發射功率控制(TPC)	低功率射頻電機技術規範 4.7.7.1 節	請參閱 4.3.6 節	請參閱 2.1 節	符合
10	動態頻率選擇(DFS) 雷達偵測功能	低功率射頻電機技術規範 4.7.7.2 節	請參閱 4.3.7 節	請參閱 2.1 節	不適用
11	動態頻率選擇(DFS) 頻道可用性檢查時間	低功率射頻電機技術規範 4.7.7.2(3)節	請參閱 4.3.8 節	請參閱 2.1 節	不適用
12	動態頻率選擇(DFS) 頻道移動時間	低功率射頻電機技術規範 4.7.7.2(4)節	請參閱 4.3.9 節	請參閱 2.1 節	符合
13	動態頻率選擇(DFS) 不可佔用時間	低功率射頻電機技術規範 4.7.7.2(5)節	請參閱 4.3.10 節	請參閱 2.1 節	不適用
14	天線規格	低功率射頻電機技術規範 4.7.8 節	請參閱 4.3.11 節	-------	符合
15	電波暴露量之評估	低功率射頻電機技術規範 5.20.2.1 節、5.20.2.2 節	請參閱 4.3.12 節	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 低功率射頻電機技術規範(LP0002)之 2.3 節，以市電為電源之低功率射頻電機，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 Ω//50 μH 之電源線阻抗模擬網路 (LISN)。頻率重疊處，以較低限值為準。

Frequency (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。

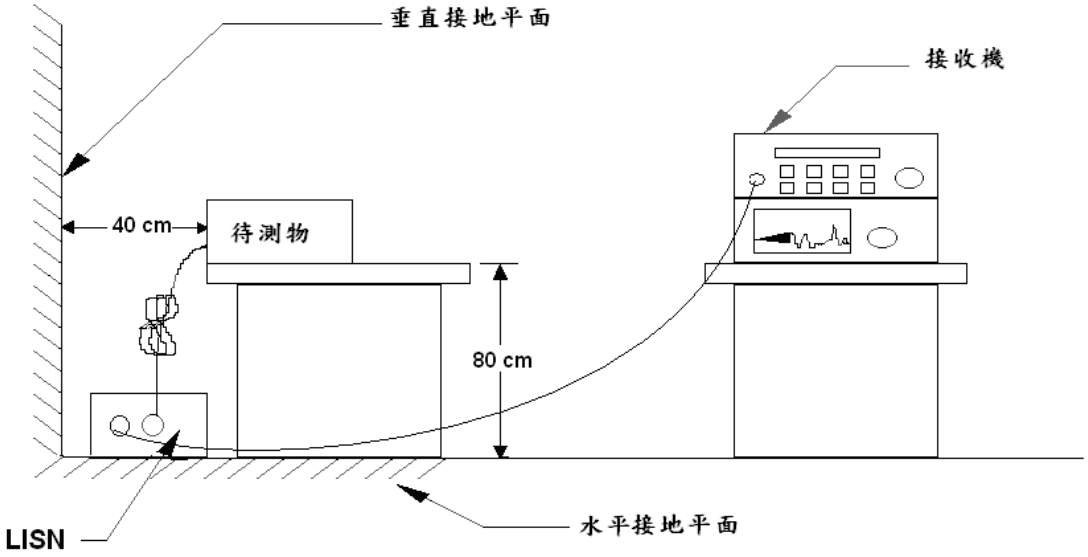
干擾值之計算

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

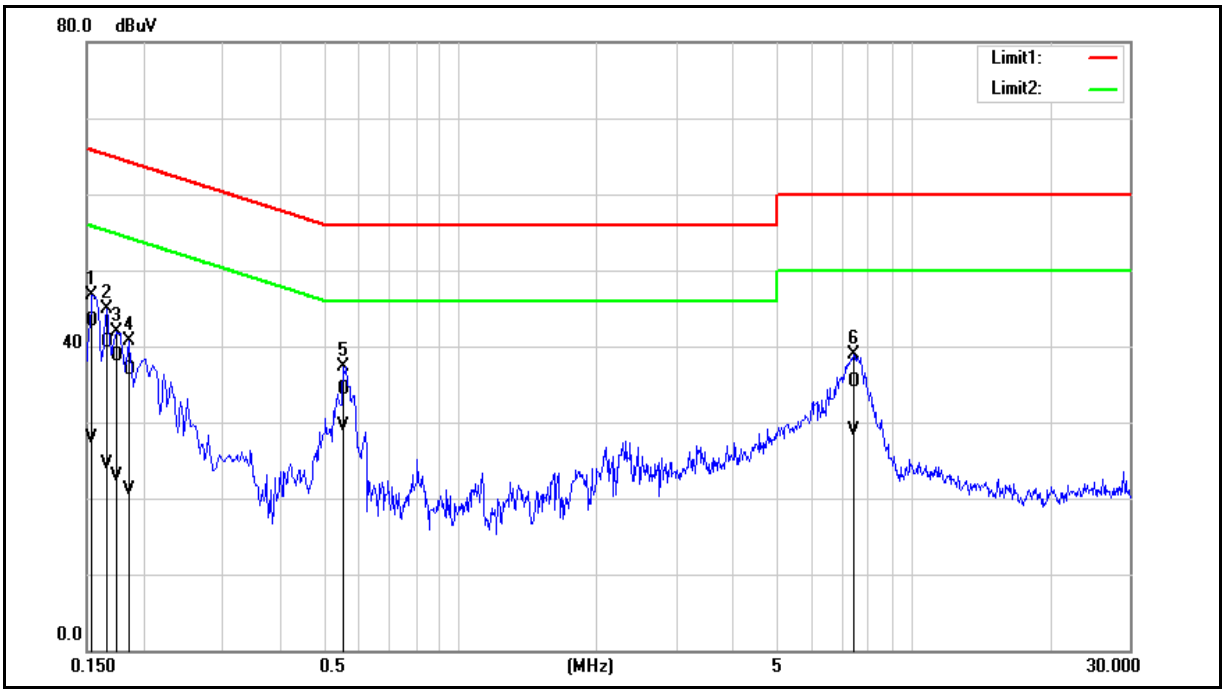
其中校正因子為： 饋線損失 + 電源阻抗模擬網路損失

測試架構圖 ：



測試結果:

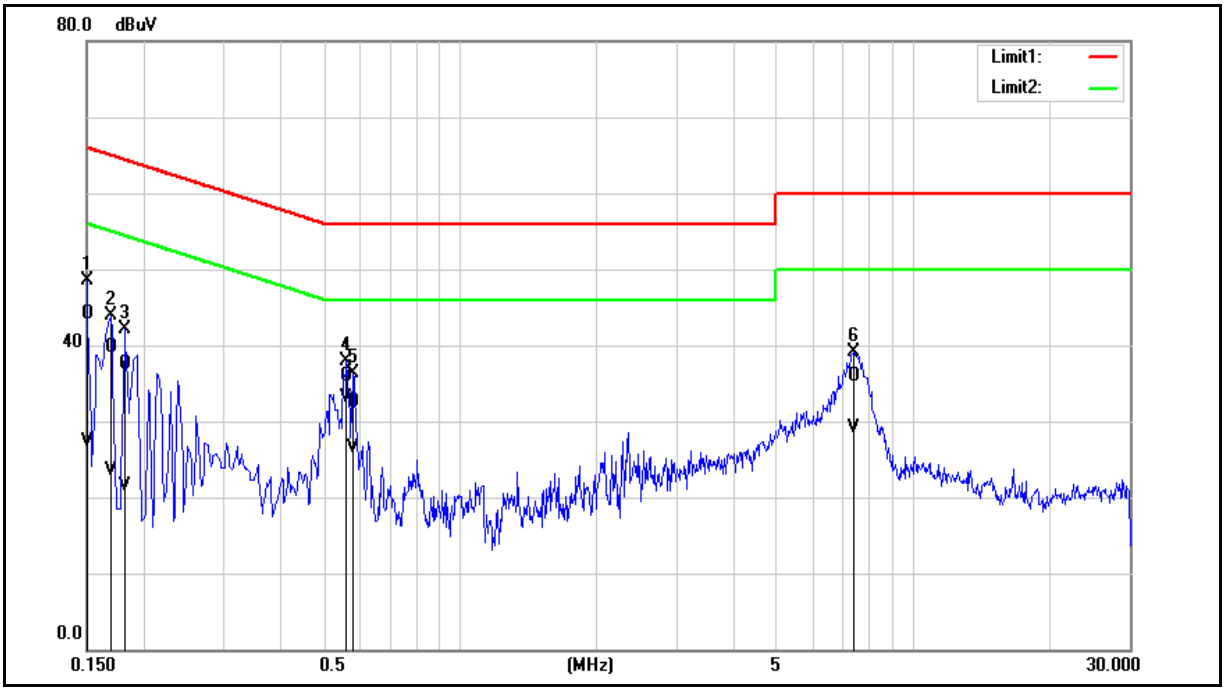
Standard:	LP0002	Line:	L1
Test item:	Conducted Emission	Power:	AC 110 V/60 Hz
Mode:	Mode 1	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Description:			



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	0.1540	33.52	18.13	9.70	43.22	27.83	65.78	55.78	-22.56	-27.95	Pass
2	0.1660	30.73	14.80	9.70	40.43	24.50	65.16	55.16	-24.73	-30.66	Pass
3	0.1740	29.10	13.13	9.70	38.80	22.83	64.77	54.77	-25.97	-31.94	Pass
4	0.1860	27.13	11.46	9.70	36.83	21.16	64.21	54.21	-27.38	-33.05	Pass
5	0.5540	24.53	19.75	9.71	34.24	29.46	56.00	46.00	-21.76	-16.54	Pass
6	7.3780	25.39	19.15	9.84	35.23	28.99	60.00	50.00	-24.77	-21.01	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	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Description:			

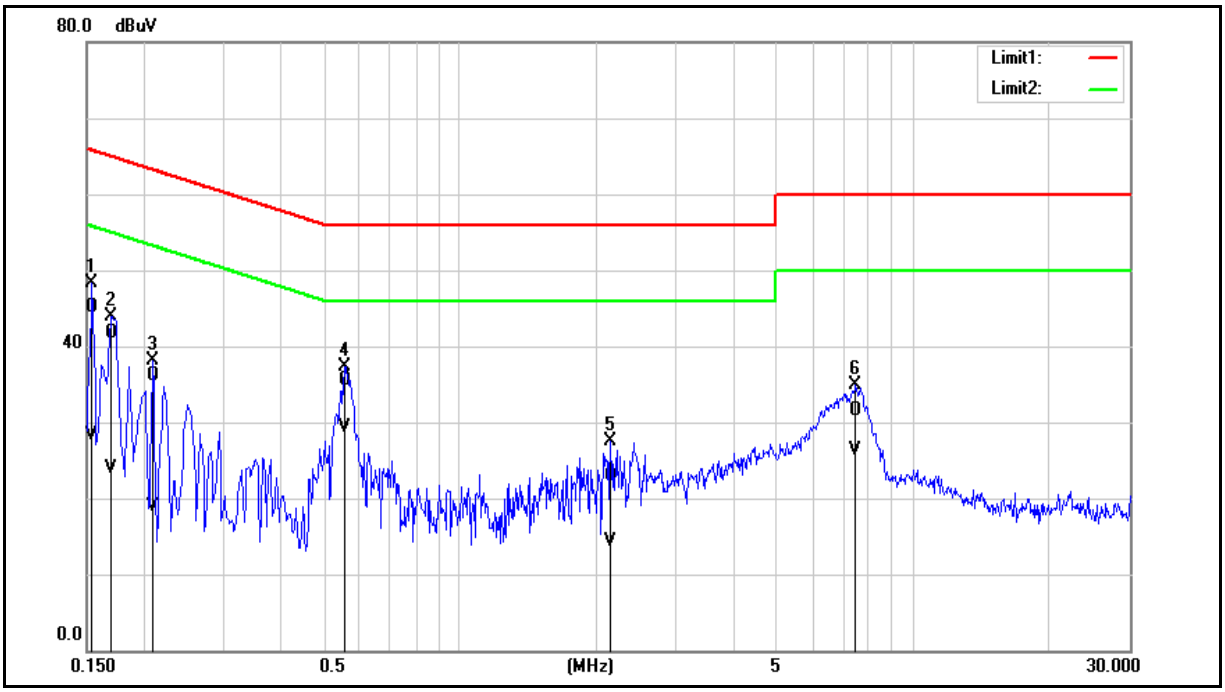


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1500	34.42	17.66	9.70	44.12	27.36	66.00	56.00	-21.88	-28.64	Pass
2	0.1700	29.92	13.77	9.70	39.62	23.47	64.96	54.96	-25.34	-31.49	Pass
3	0.1820	27.82	11.89	9.70	37.52	21.59	64.39	54.39	-26.87	-32.80	Pass
4	0.5620	26.24	23.41	9.71	35.95	33.12	56.00	46.00	-20.05	-12.88	Pass
5	0.5820	22.86	16.80	9.71	32.57	26.51	56.00	46.00	-23.43	-19.49	Pass
6	7.3780	26.01	19.24	9.84	35.85	29.08	60.00	50.00	-24.15	-20.92	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)。

With HDMI

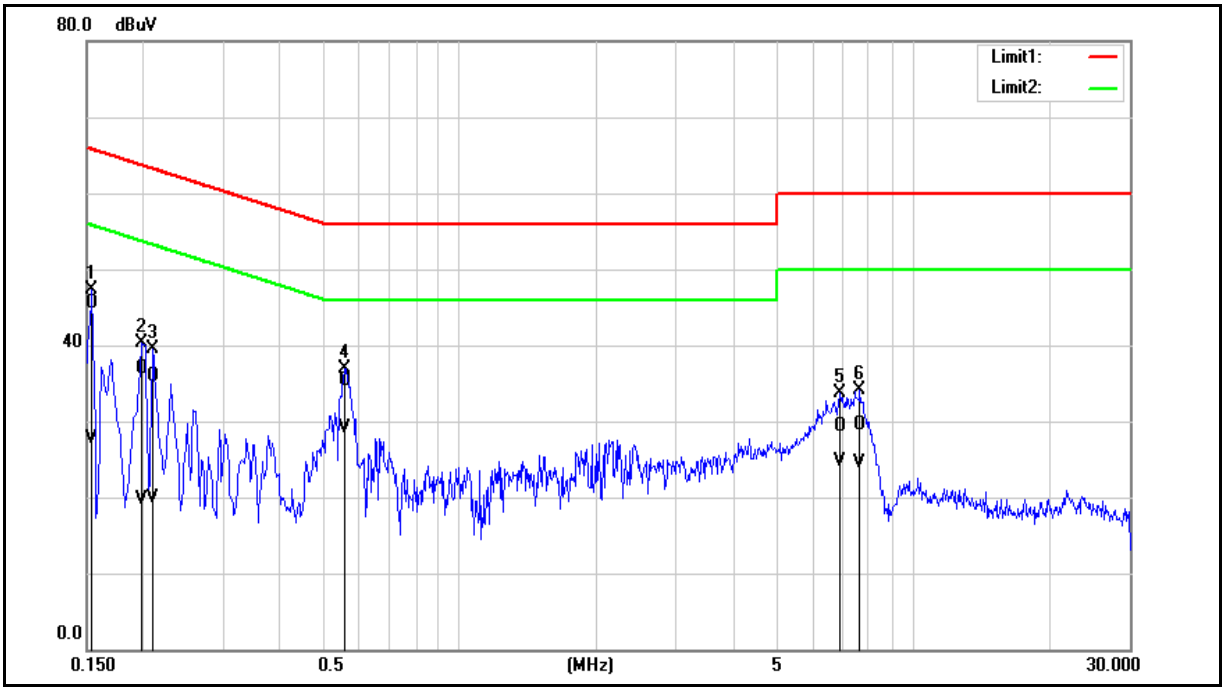
Standard:	LP0002	Line:	L1
Test item:	Conducted Emission	Power:	AC 110 V/60 Hz
Mode:	Mode 1	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Description:			



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	0.1540	35.49	18.55	9.70	45.19	28.25	65.78	55.78	-20.59	-27.53	Pass
2	0.1700	32.02	14.28	9.70	41.72	23.98	64.96	54.96	-23.24	-30.98	Pass
3	0.2100	26.38	9.11	9.70	36.08	18.81	63.21	53.21	-27.13	-34.40	Pass
4	0.5580	25.87	19.63	9.71	35.58	29.34	56.00	46.00	-20.42	-16.66	Pass
5	2.1540	13.08	4.55	9.76	22.84	14.31	56.00	46.00	-33.16	-31.69	Pass
6	7.4660	21.58	16.45	9.84	31.42	26.29	60.00	50.00	-28.58	-23.71	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	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Description:			

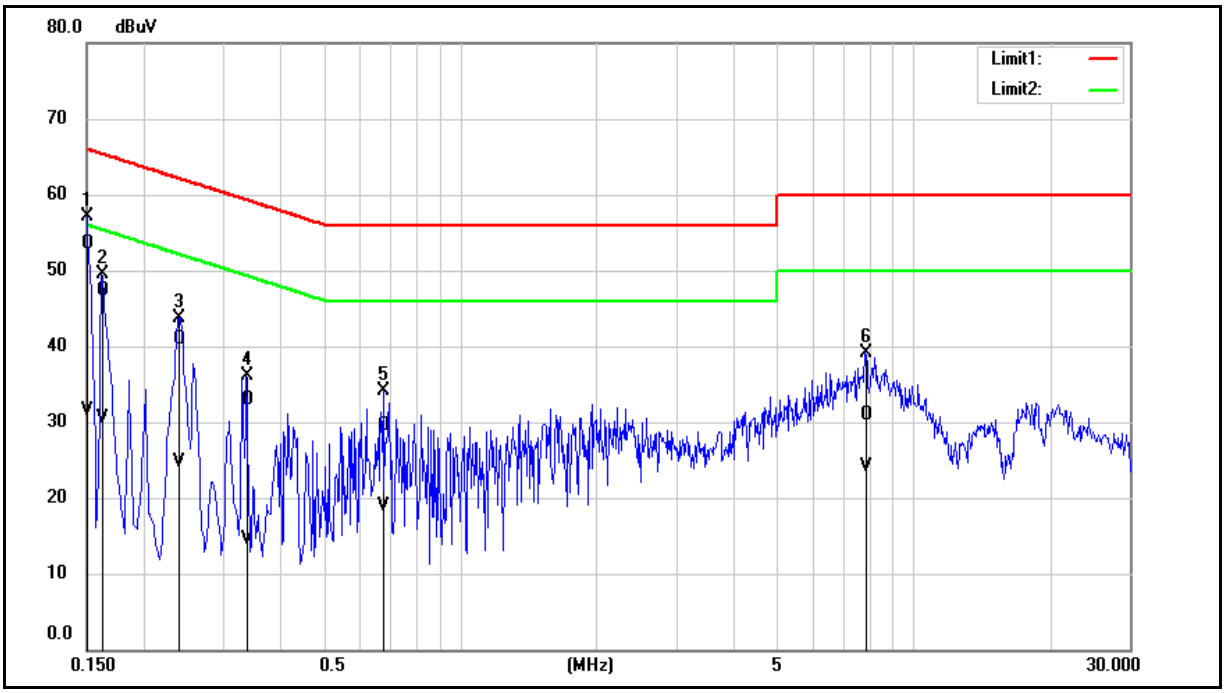


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1540	35.85	17.94	9.69	45.54	27.63	65.78	55.78	-20.24	-28.15	Pass
2	0.1980	27.18	10.03	9.69	36.87	19.72	63.69	53.69	-26.82	-33.97	Pass
3	0.2100	26.22	10.22	9.69	35.91	19.91	63.21	53.21	-27.30	-33.30	Pass
4	0.5580	25.66	19.49	9.70	35.36	29.19	56.00	46.00	-20.64	-16.81	Pass
5	6.8940	19.38	14.87	9.84	29.22	24.71	60.00	50.00	-30.78	-25.29	Pass
6	7.6420	19.64	14.72	9.85	29.49	24.57	60.00	50.00	-30.51	-25.43	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)。

本次核備測試結果:

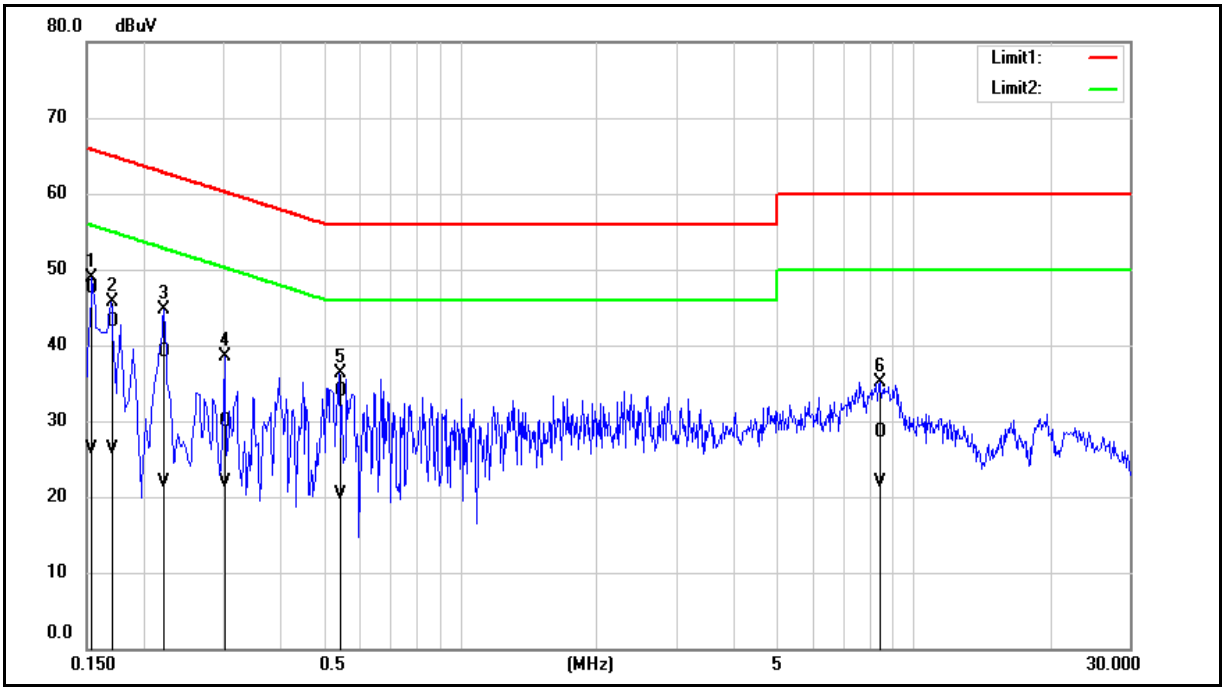
Standard:	LP0002	Line:	L1
Test item:	Conducted Emission	Power:	AC 110 V/60 Hz
Mode:	Mode 1	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Description:			



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	0.1500	43.33	21.89	9.70	53.03	31.59	66.00	56.00	-12.97	-24.41	Pass
2	0.1620	37.60	20.86	9.70	47.30	30.56	65.36	55.36	-18.06	-24.80	Pass
3	0.2380	31.16	15.03	9.70	40.86	24.73	62.17	52.17	-21.31	-27.44	Pass
4	0.3380	23.13	4.79	9.70	32.83	14.49	59.25	49.25	-26.42	-34.76	Pass
5	0.6780	19.72	9.16	9.71	29.43	18.87	56.00	46.00	-26.57	-27.13	Pass
6	7.8220	21.11	14.28	9.85	30.96	24.13	60.00	50.00	-29.04	-25.87	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	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Description:			

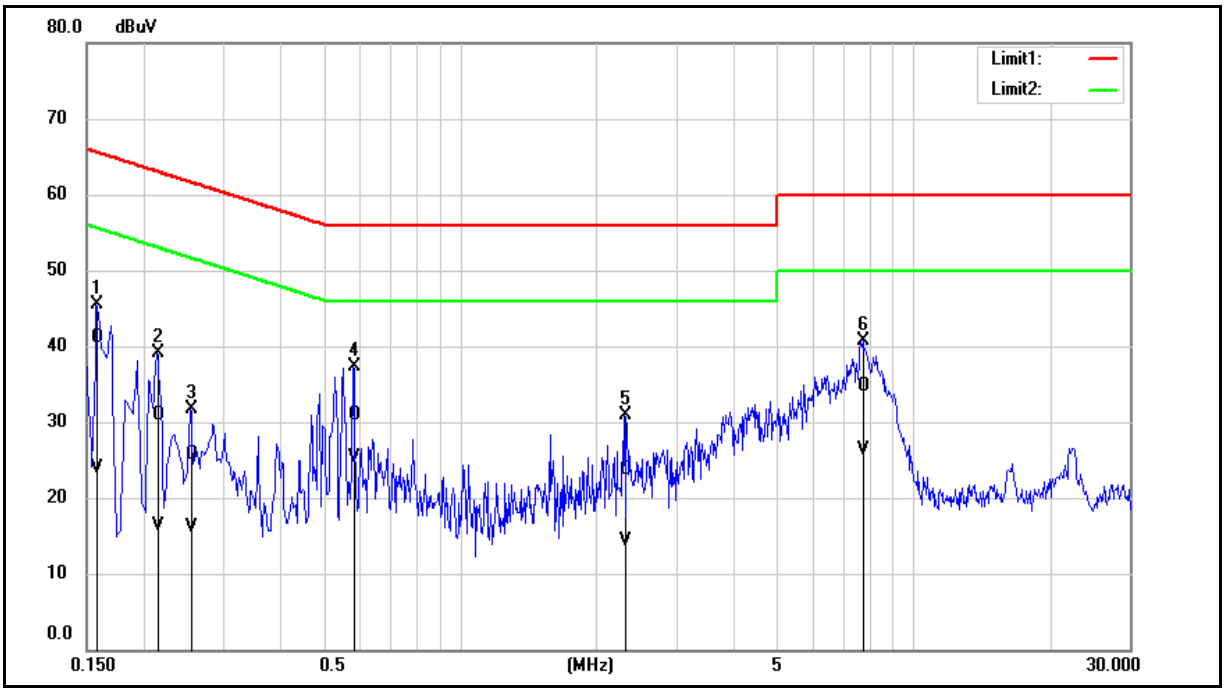


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1540	37.86	16.56	9.69	47.55	26.25	65.78	55.78	-18.23	-29.53	Pass
2	0.1700	33.37	16.58	9.69	43.06	26.27	64.96	54.96	-21.90	-28.69	Pass
3	0.2220	29.39	12.17	9.69	39.08	21.86	62.74	52.74	-23.66	-30.88	Pass
4	0.3020	20.26	12.31	9.69	29.95	22.00	60.19	50.19	-30.24	-28.19	Pass
5	0.5420	24.30	10.56	9.70	34.00	20.26	56.00	46.00	-22.00	-25.74	Pass
6	8.4460	18.67	12.11	9.85	28.52	21.96	60.00	50.00	-31.48	-28.04	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)。

With HDMI

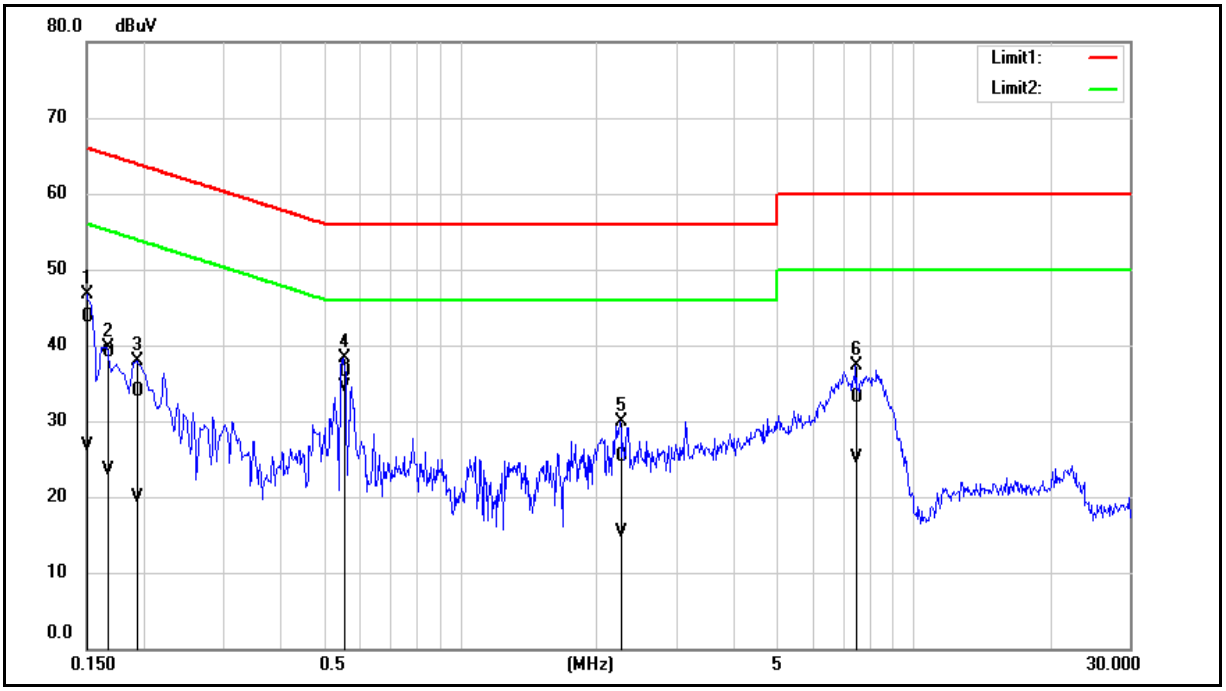
Standard:	LP0002	Line:	L1
Test item:	Conducted Emission	Power:	AC 110 V/60 Hz
Mode:	Mode 1	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Description:			



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	31.36	14.16	9.70	41.06	23.86	65.57	55.57	-24.51	-31.71	Pass
2	0.2140	21.24	6.67	9.70	30.94	16.37	63.05	53.05	-32.11	-36.68	Pass
3	0.2540	15.91	6.41	9.70	25.61	16.11	61.63	51.63	-36.02	-35.52	Pass
4	0.5820	21.13	15.51	9.71	30.84	25.22	56.00	46.00	-25.16	-20.78	Pass
5	2.3020	14.00	4.53	9.77	23.77	14.30	56.00	46.00	-32.23	-31.70	Pass
6	7.7580	24.81	16.53	9.85	34.66	26.38	60.00	50.00	-25.34	-23.62	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	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
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	0.1500	33.94	16.99	9.69	43.63	26.68	66.00	56.00	-22.37	-29.32	Pass
2	0.1660	29.36	13.72	9.69	39.05	23.41	65.16	55.16	-26.11	-31.75	Pass
3	0.1940	24.21	10.28	9.69	33.90	19.97	63.86	53.86	-29.96	-33.89	Pass
4	0.5540	26.82	24.83	9.70	36.52	34.53	56.00	46.00	-19.48	-11.47	Pass
5	2.2580	15.56	5.46	9.75	25.31	15.21	56.00	46.00	-30.69	-30.79	Pass
6	7.4660	23.32	15.19	9.84	33.16	25.03	60.00	50.00	-26.84	-24.97	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)。

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 低功率射頻電機技術規範(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 低功率射頻電機技術規範(LP0002)之 3.10.1.2(1)(C)之最大傳導輸出功率量測方式者，至少須衰減 30 dB。此外，落於第 2.7 節禁用頻段之輻射發射，應符合第 2.8 節之規定。

依據 NCC 低功率射頻電機技術規範第 2.7 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 低功率射頻電機技術規範第 2.8 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(μV/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。

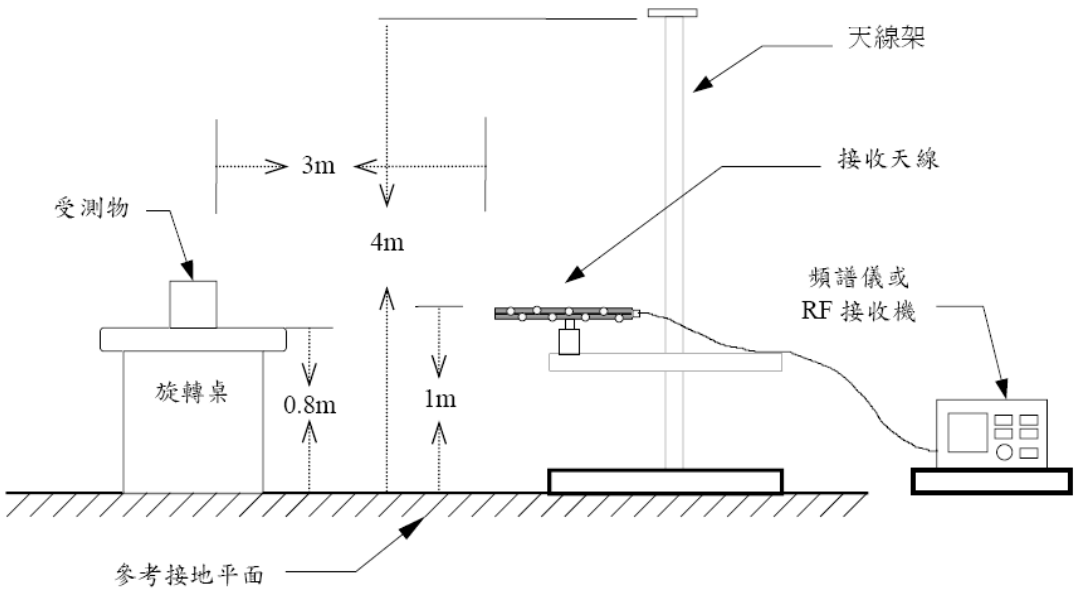
場強度之計算

場強之計算公式為：結果值 = 讀值 + 校正因子

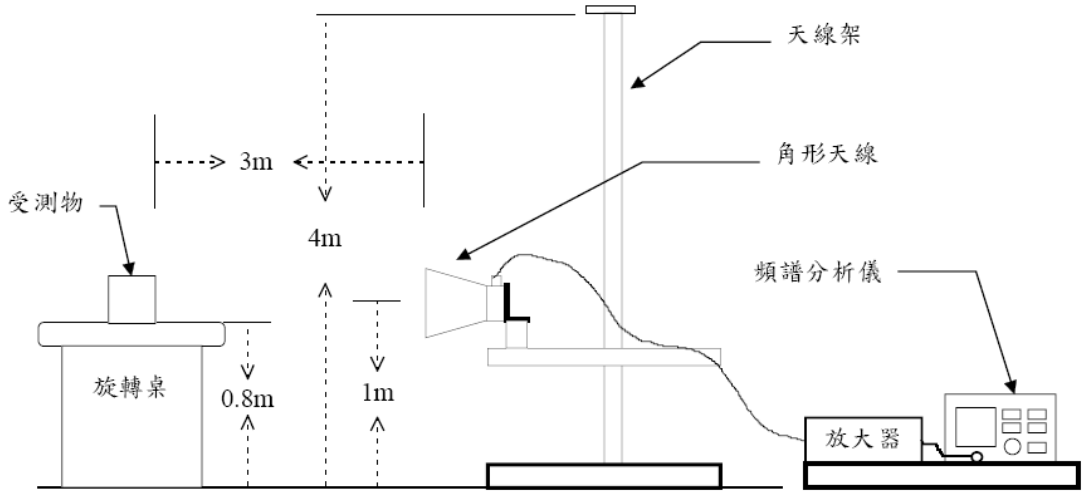
其中校正因子為： 天線因子+ 饋線損失 + 濾波器損失（若有使用） - 放大器增益（若有使用）

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

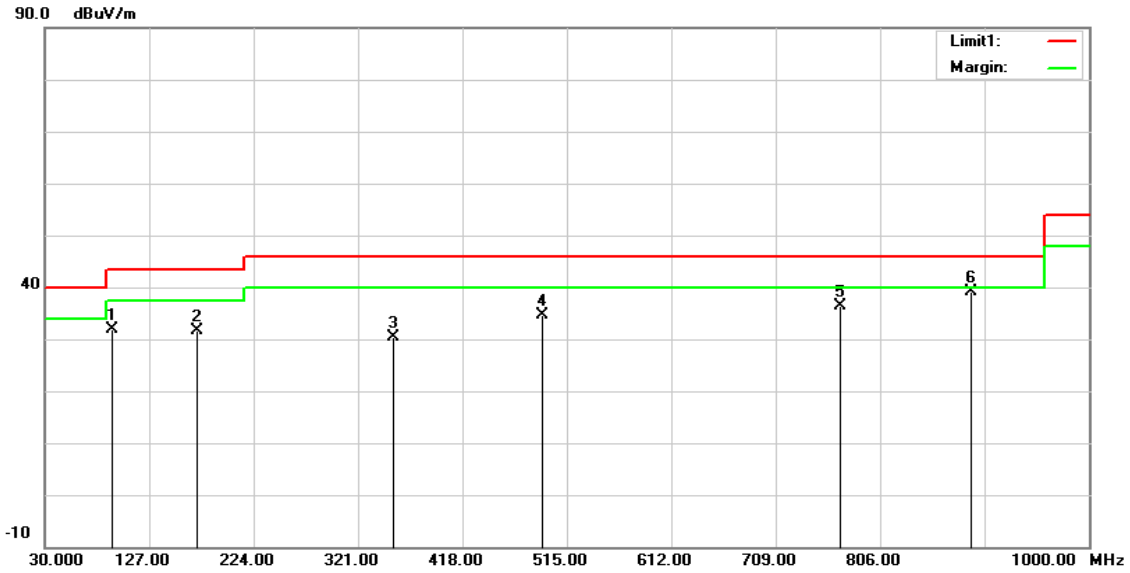


測試結果:

場強輻射之量測依據輸出峰值功率之量測結果取其最大值之操作模式為場強輻射測試模式。

其它不必要之訊號 (1 GHz 以下)

Standard:	LP0002	Test Distance:	3 m
Test item:	Radiated Emission	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
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	93.0500	43.50	-11.67	31.83	43.50	-11.67	QP
2	171.6200	37.43	-5.92	31.51	43.50	-11.99	QP
3	353.9800	33.59	-3.29	30.30	46.00	-15.70	QP
4	491.7200	34.99	-0.24	34.75	46.00	-11.25	QP
5	769.1400	31.00	5.44	36.44	46.00	-9.56	QP
6	890.3900	31.64	7.41	39.05	46.00	-6.95	QP

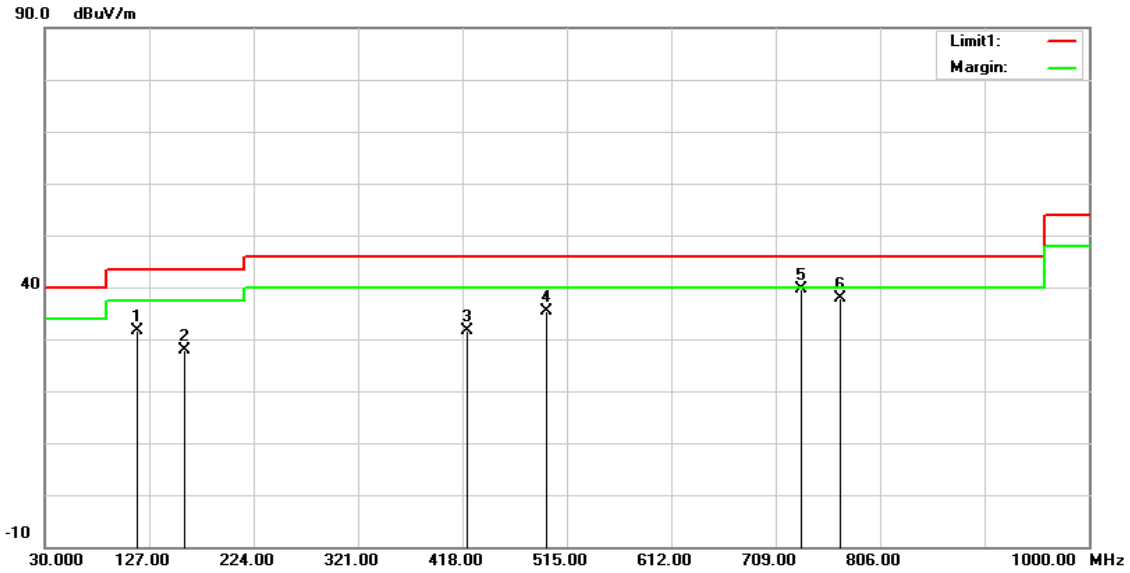
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 31.83 = -11.67 + 43.50

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	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	115.3600	40.36	-8.81	31.55	43.50	-11.95	QP
2	159.9800	33.20	-5.41	27.79	43.50	-15.71	QP
3	421.8800	32.99	-1.48	31.51	46.00	-14.49	QP
4	496.5700	35.58	-0.18	35.40	46.00	-10.60	QP
5	732.2800	34.99	4.76	39.75	46.00	-6.25	QP
6	769.1400	32.42	5.44	37.86	46.00	-8.14	QP

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

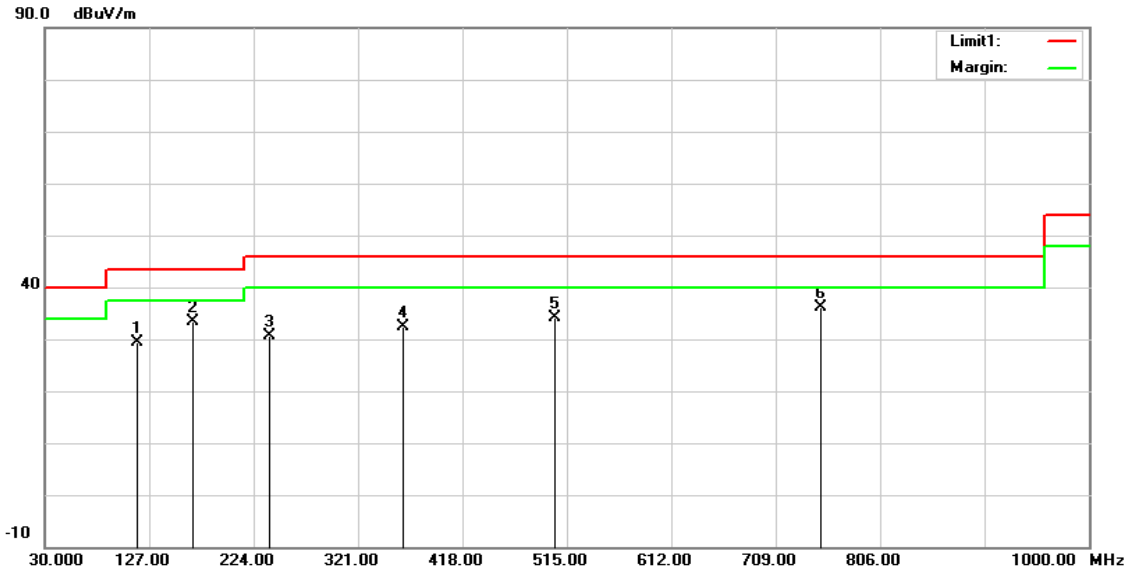
Example: 31.55 = -8.81 + 40.36

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.

本次核備其它不必要之訊號 (1 GHz 以下)

Standard:	LP0002	Test Distance:	3 m
Test item:	Radiated Emission	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
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	116.3300	38.03	-8.74	29.29	43.50	-14.21	QP
2	167.7400	39.09	-5.71	33.38	43.50	-10.12	QP
3	238.5500	36.95	-6.28	30.67	46.00	-15.33	QP
4	362.7100	35.35	-3.07	32.28	46.00	-13.72	QP
5	504.3300	34.07	-0.03	34.04	46.00	-11.96	QP
6	750.7100	30.91	5.22	36.13	46.00	-9.87	QP

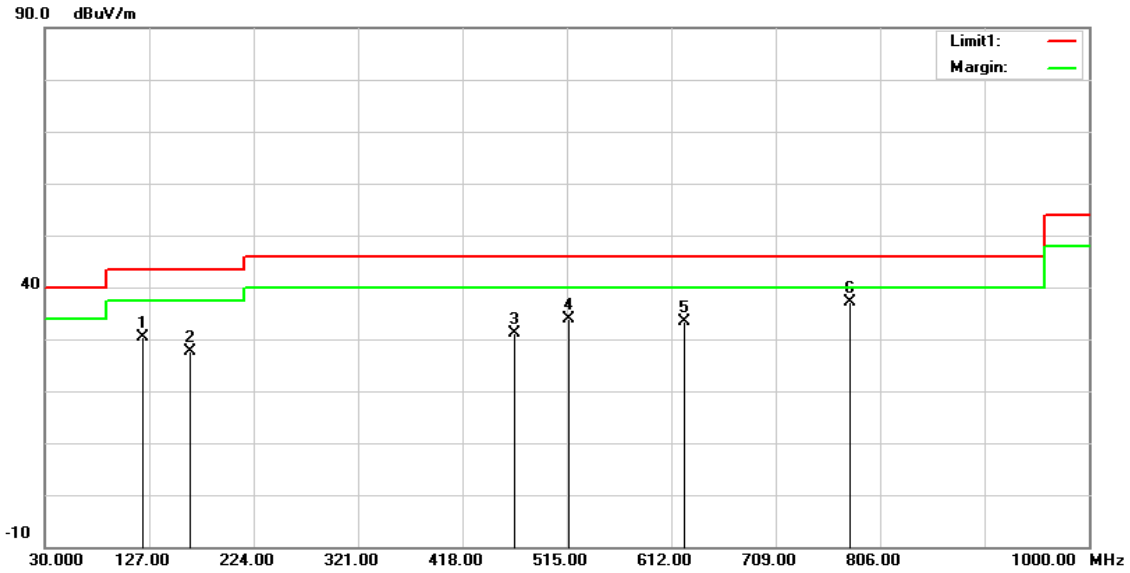
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 29.29 = -8.74 + 38.03

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	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	121.1800	38.67	-8.31	30.36	43.50	-13.14	QP
2	164.8300	33.20	-5.62	27.58	43.50	-15.92	QP
3	466.5000	31.55	-0.52	31.03	46.00	-14.97	QP
4	516.9400	33.61	0.26	33.87	46.00	-12.13	QP
5	624.6100	30.70	2.70	33.40	46.00	-12.60	QP
6	777.8700	31.47	5.55	37.02	46.00	-8.98	QP

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

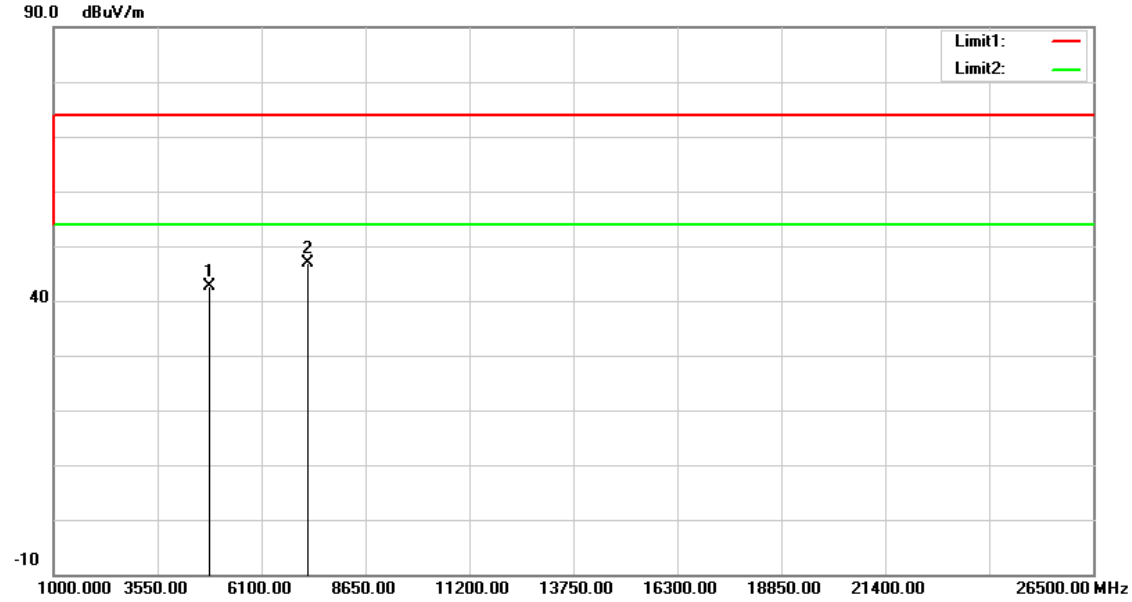
Example: 30.36 = -8.31 + 38.67

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.

場強輻射量側 (1 GHz 以上)

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
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	36.65	5.97	42.62	74.00	-31.38	peak
2	7236.000	34.29	12.48	46.77	74.00	-27.23	peak

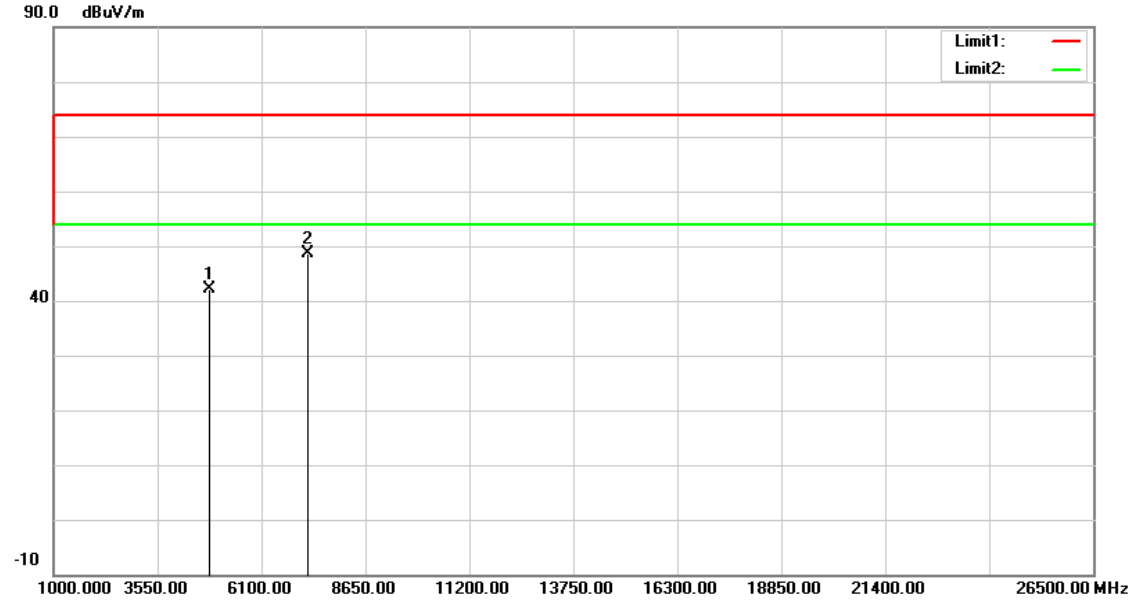
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 42.62 = 5.97 + 36.65

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	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	36.24	5.97	42.21	74.00	-31.79	peak
2	7236.000	36.03	12.48	48.51	74.00	-25.49	peak

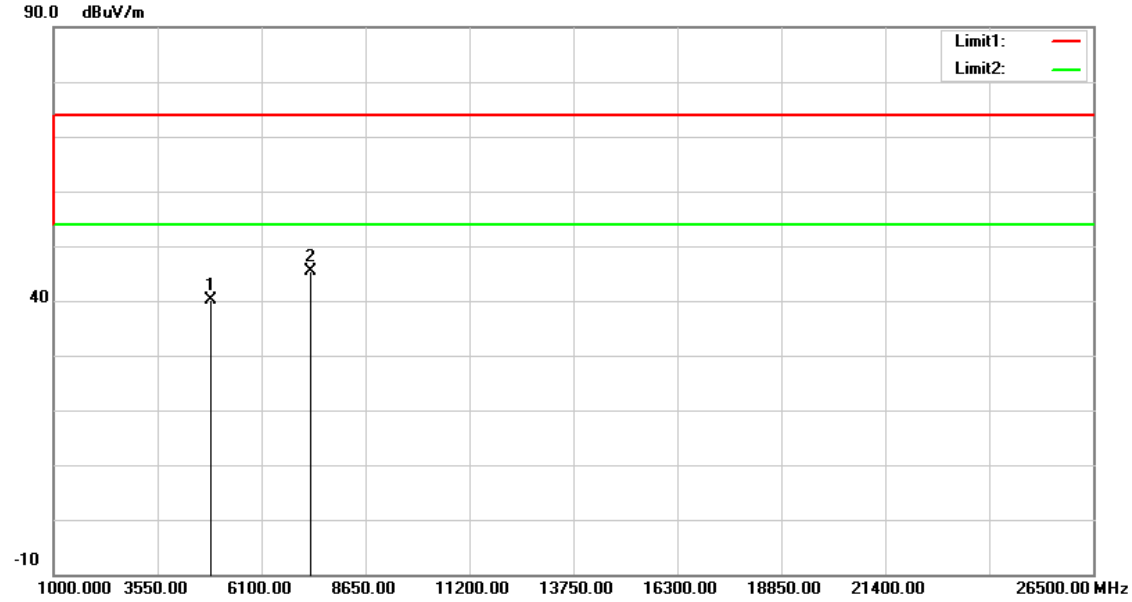
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 42.21 = 5.97 + 36.24

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	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



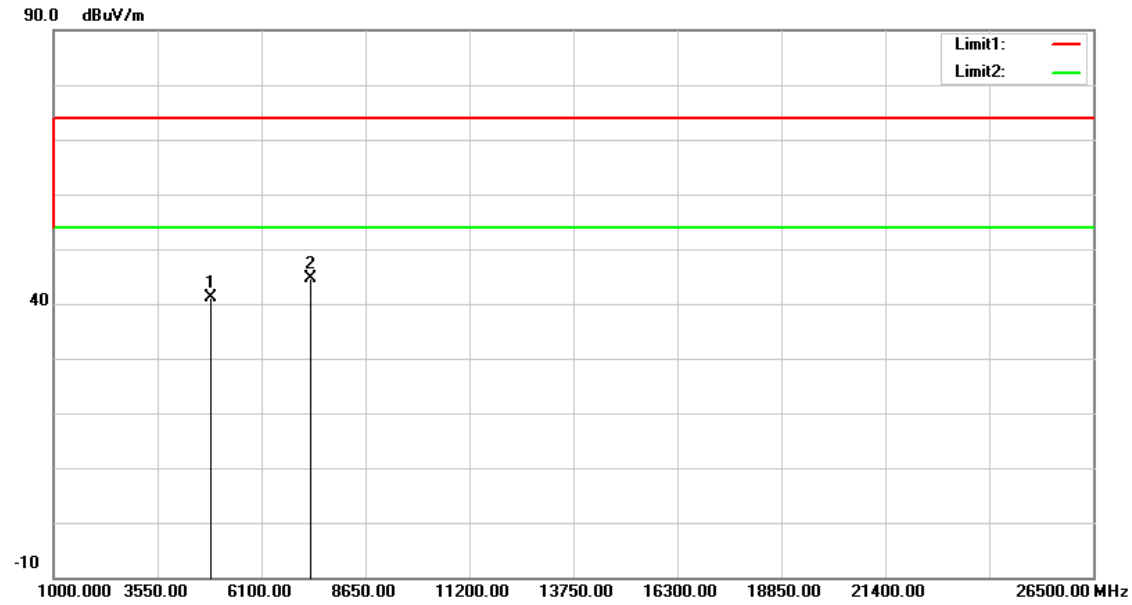
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.11	6.12	40.23	74.00	-33.77	peak
2	7311.000	32.58	12.73	45.31	74.00	-28.69	peak

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	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



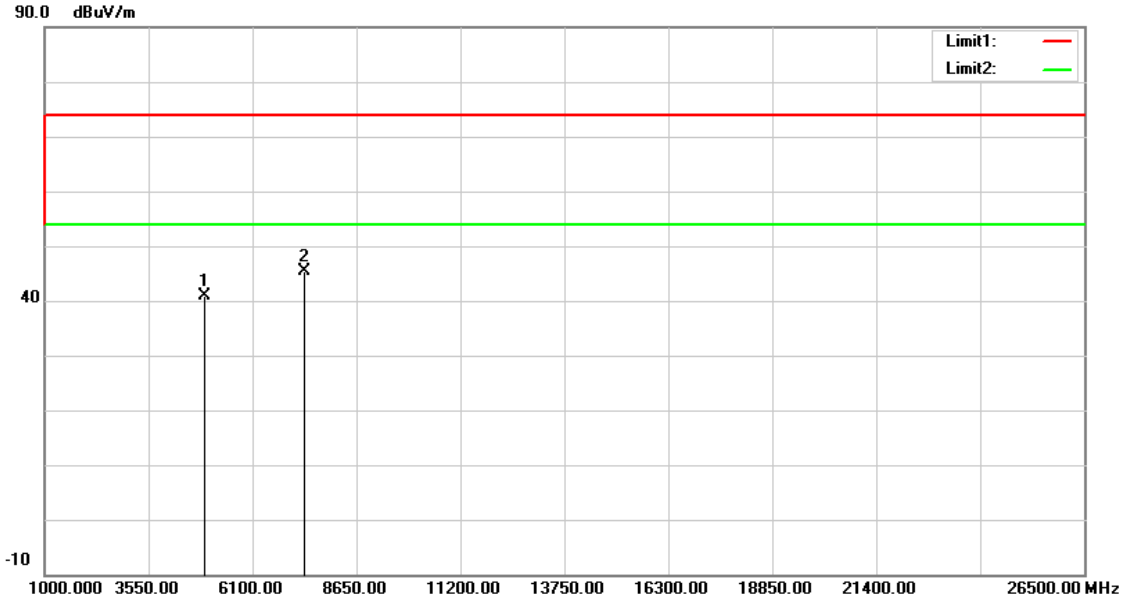
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	35.03	6.12	41.15	74.00	-32.85	peak
2	7311.000	31.93	12.73	44.66	74.00	-29.34	peak

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	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



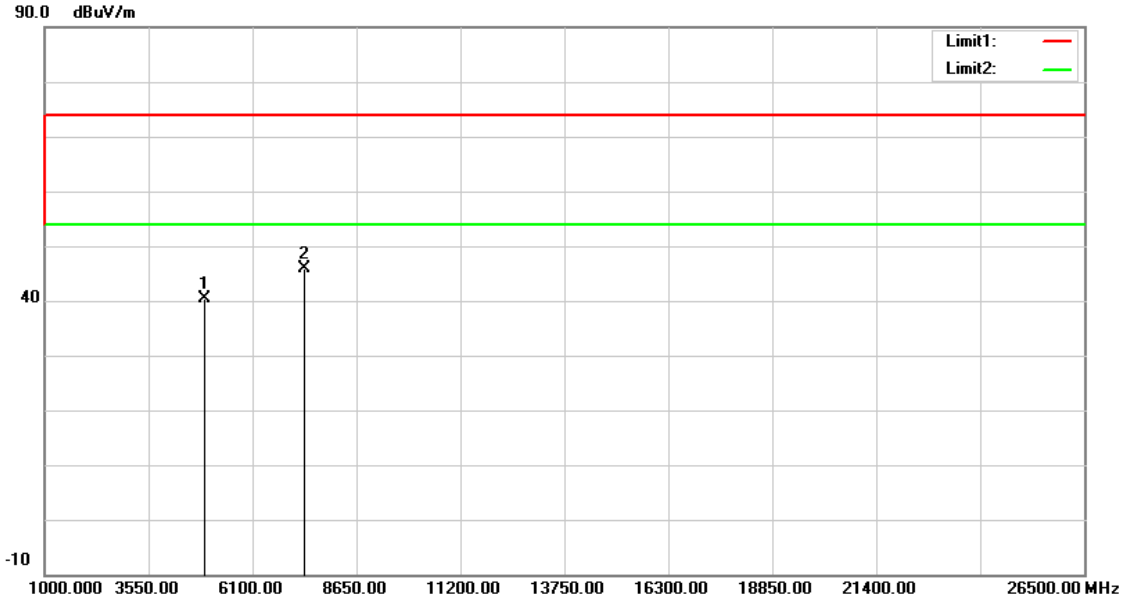
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	34.60	6.28	40.88	74.00	-33.12	peak
2	7386.000	32.32	12.99	45.31	74.00	-28.69	peak

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	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



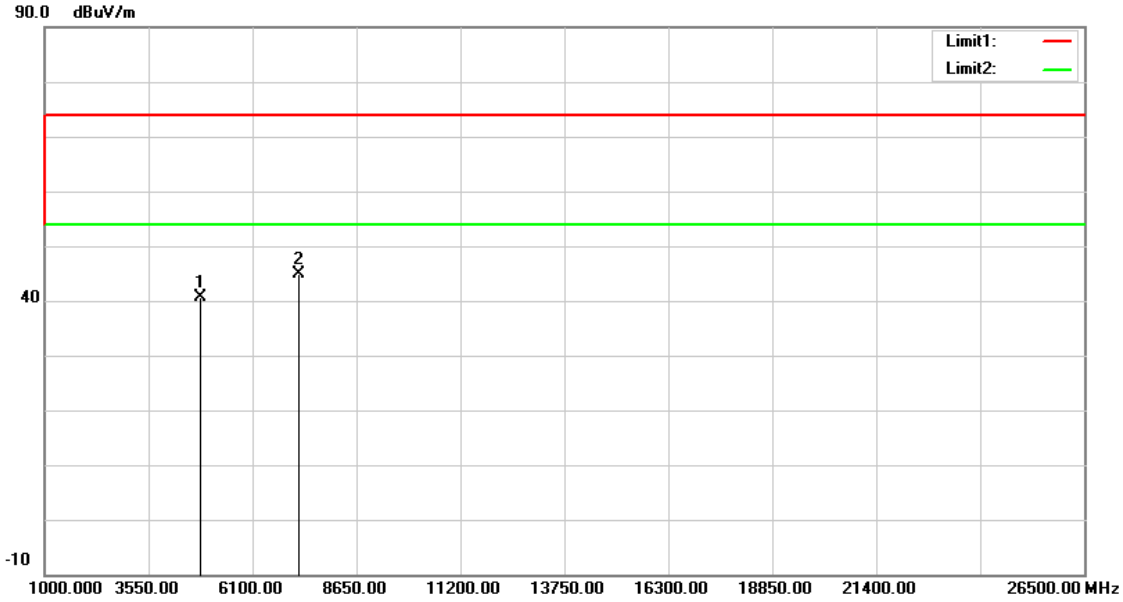
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	34.17	6.28	40.45	74.00	-33.55	peak
2	7386.000	32.89	12.99	45.88	74.00	-28.12	peak

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	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



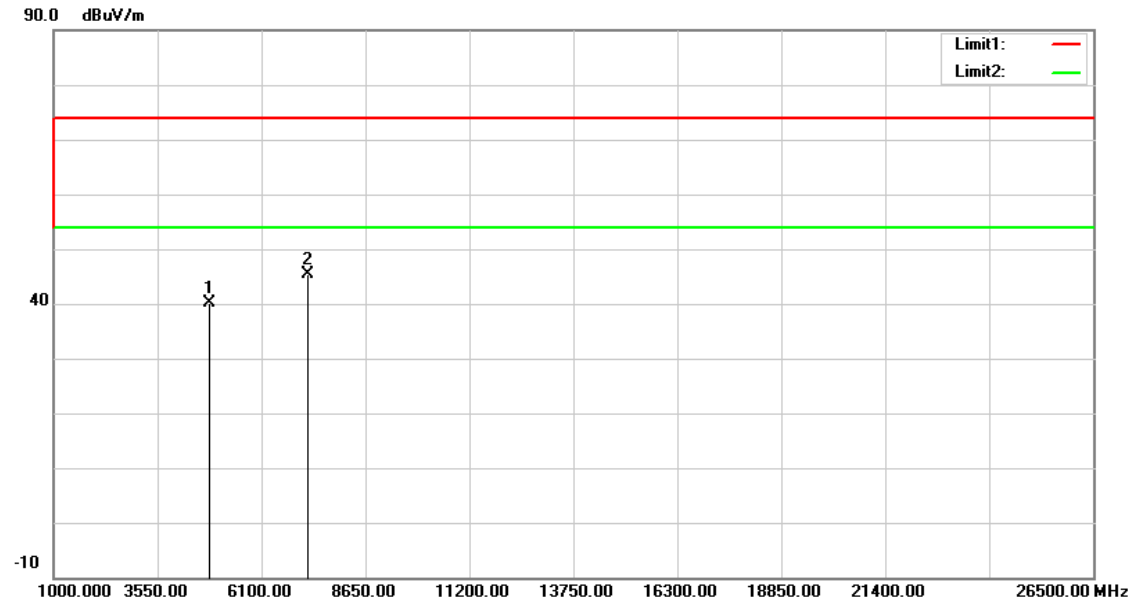
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	34.58	5.97	40.55	74.00	-33.45	peak
2	7236.000	32.44	12.48	44.92	74.00	-29.08	peak

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	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



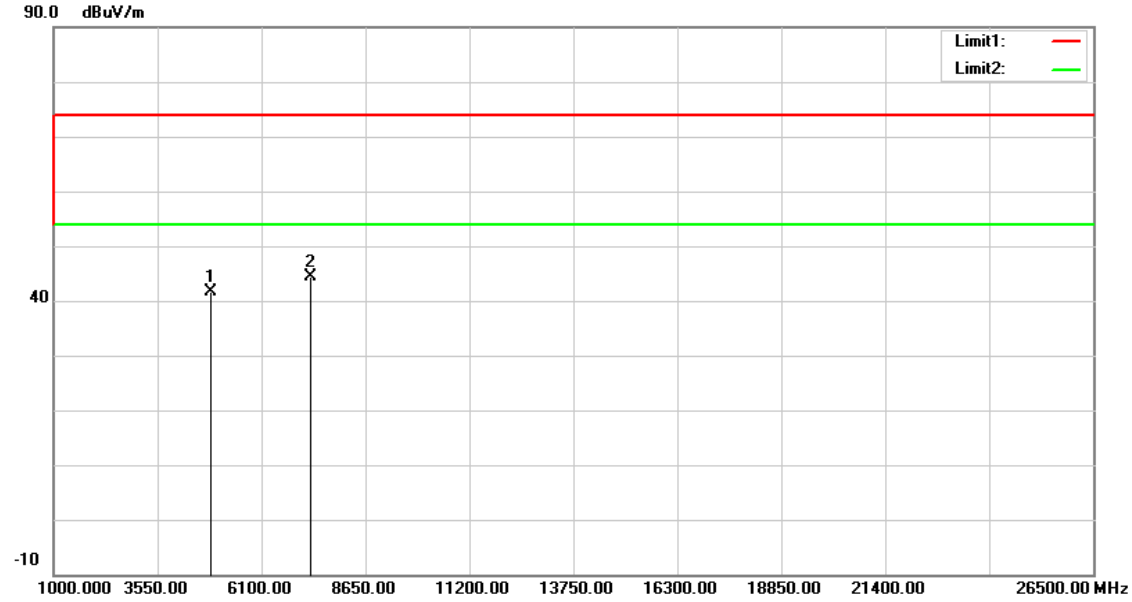
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	34.23	5.97	40.20	74.00	-33.80	peak
2	7236.000	32.88	12.48	45.36	74.00	-28.64	peak

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	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



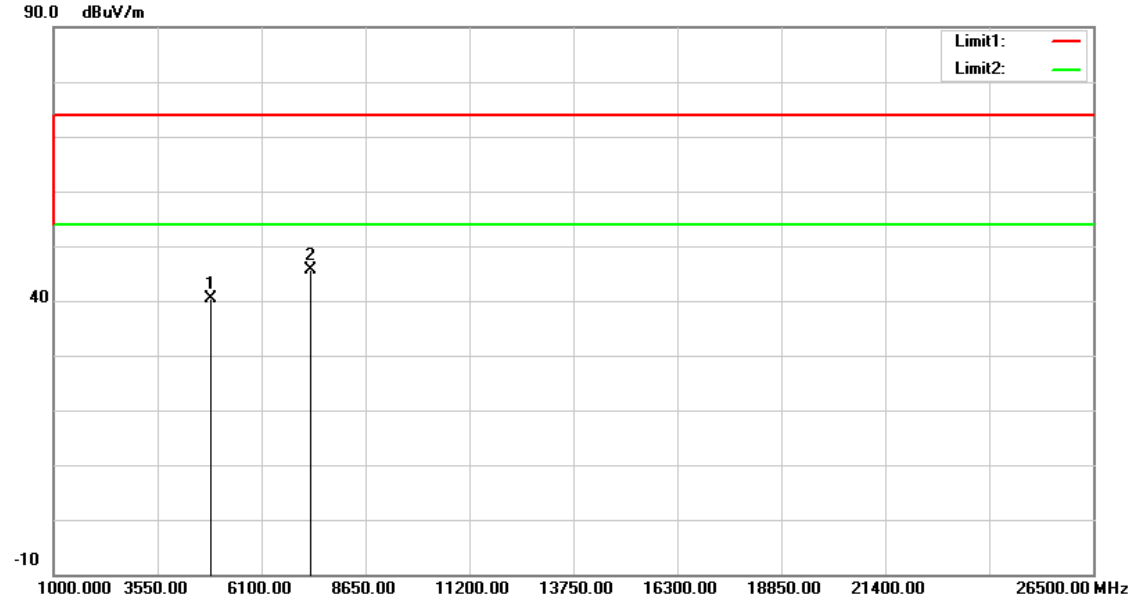
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	35.47	6.12	41.59	74.00	-32.41	peak
2	7311.000	31.61	12.73	44.34	74.00	-29.66	peak

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	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



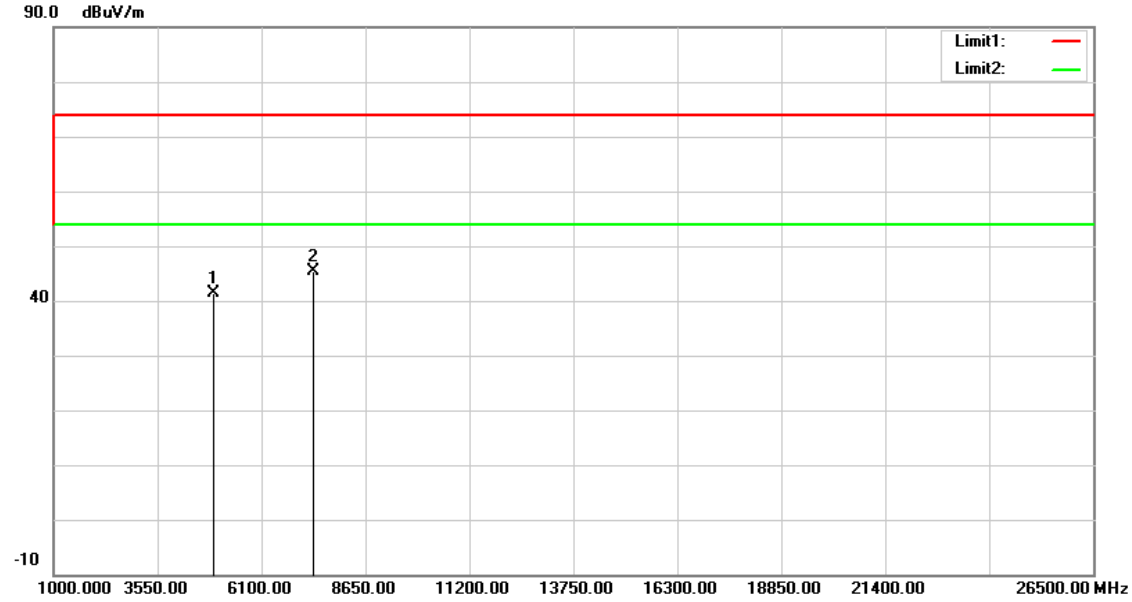
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.16	6.12	40.28	74.00	-33.72	peak
2	7311.000	32.95	12.73	45.68	74.00	-28.32	peak

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	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



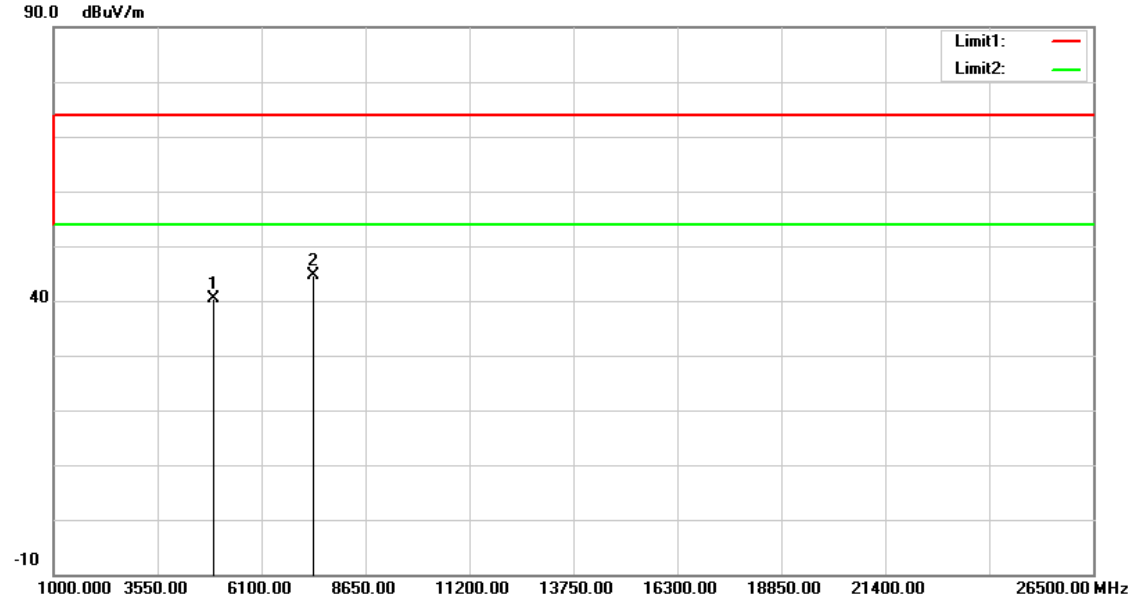
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	35.13	6.28	41.41	74.00	-32.59	peak
2	7386.000	32.42	12.99	45.41	74.00	-28.59	peak

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	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



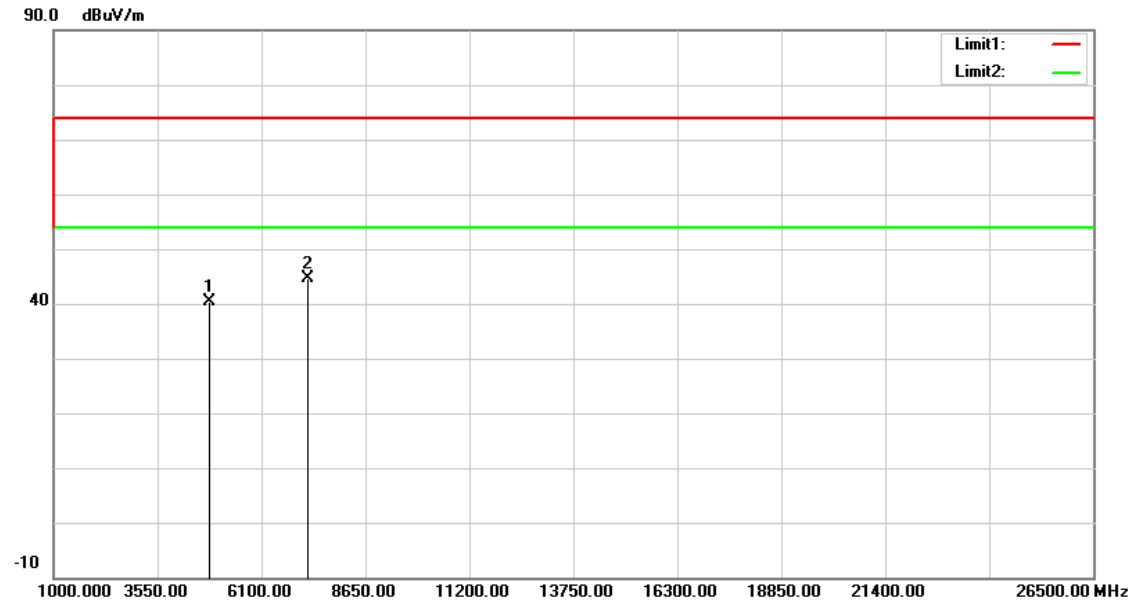
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	34.18	6.28	40.46	74.00	-33.54	peak
2	7386.000	31.57	12.99	44.56	74.00	-29.44	peak

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	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



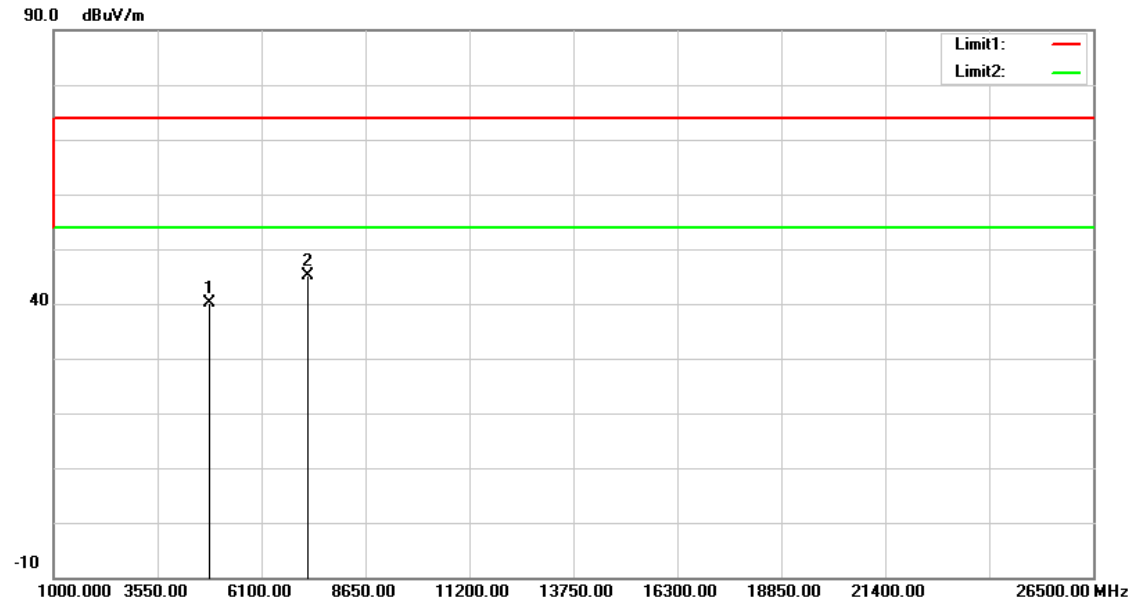
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	34.44	5.97	40.41	74.00	-33.59	peak
2	7236.000	32.26	12.48	44.74	74.00	-29.26	peak

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	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



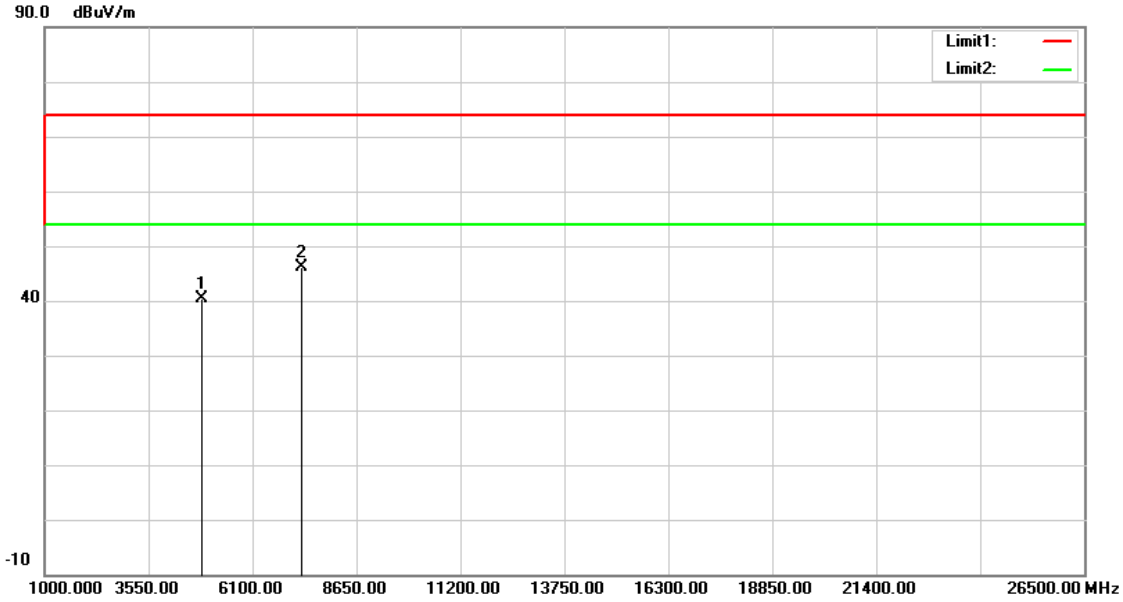
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	34.14	5.97	40.11	74.00	-33.89	peak
2	7236.000	32.69	12.48	45.17	74.00	-28.83	peak

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	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



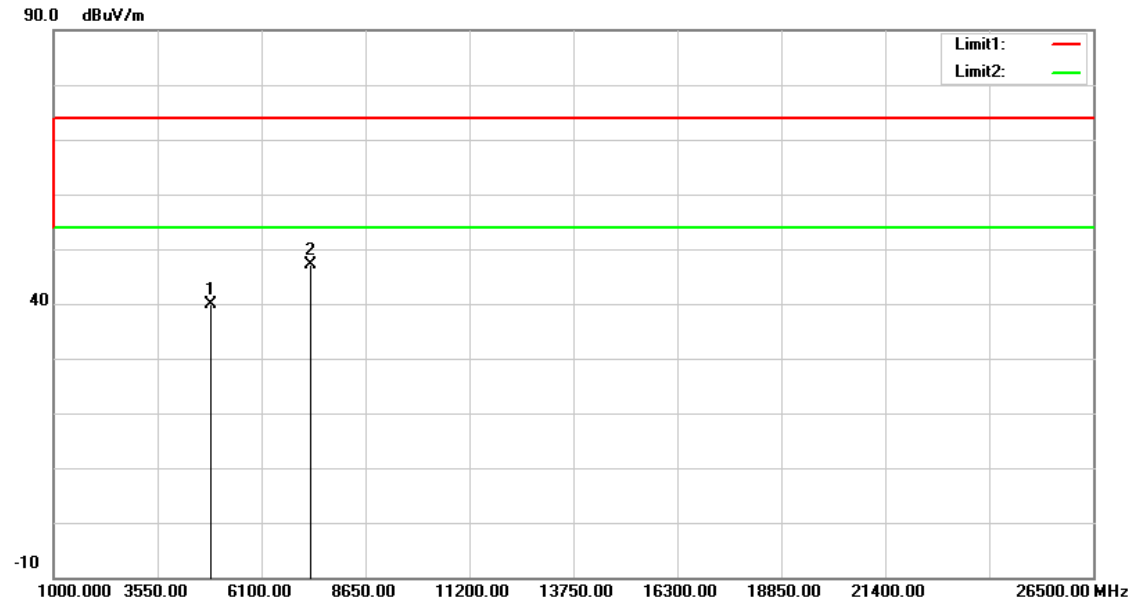
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.14	6.12	40.26	74.00	-33.74	peak
2	7311.000	33.29	12.73	46.02	74.00	-27.98	peak

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	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



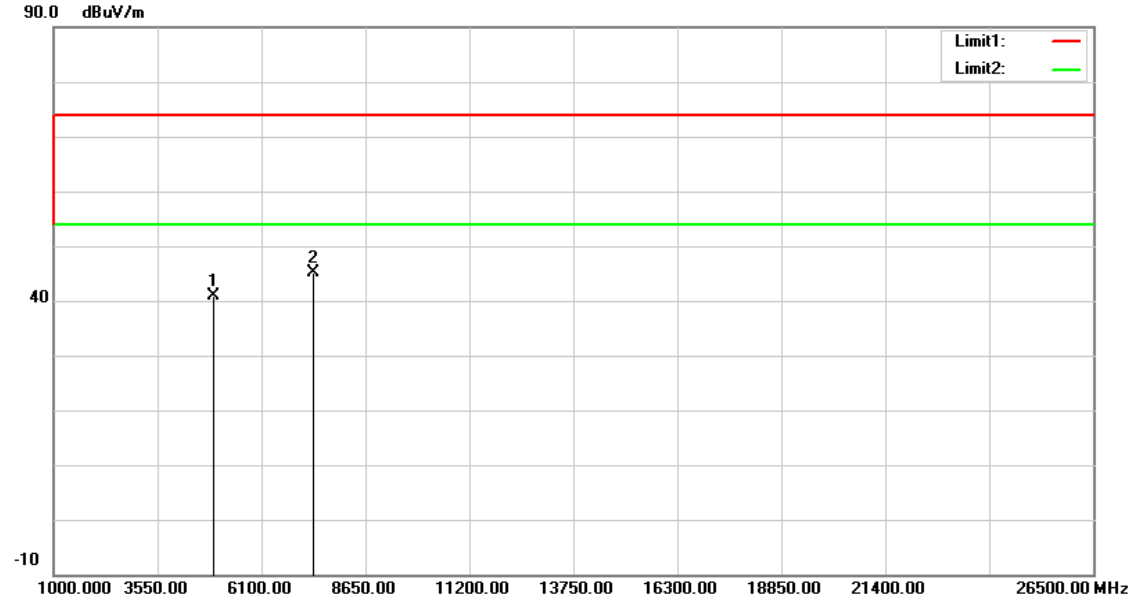
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	33.74	6.12	39.86	74.00	-34.14	peak
2	7311.000	34.41	12.73	47.14	74.00	-26.86	peak

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	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



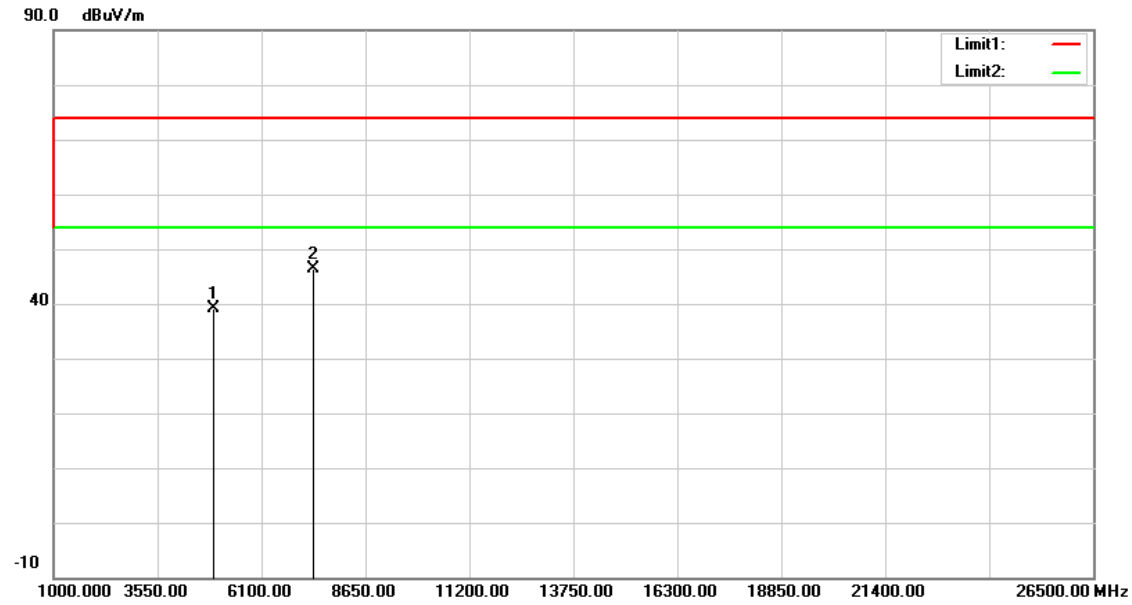
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	34.52	6.28	40.80	74.00	-33.20	peak
2	7386.000	32.02	12.99	45.01	74.00	-28.99	peak

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	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



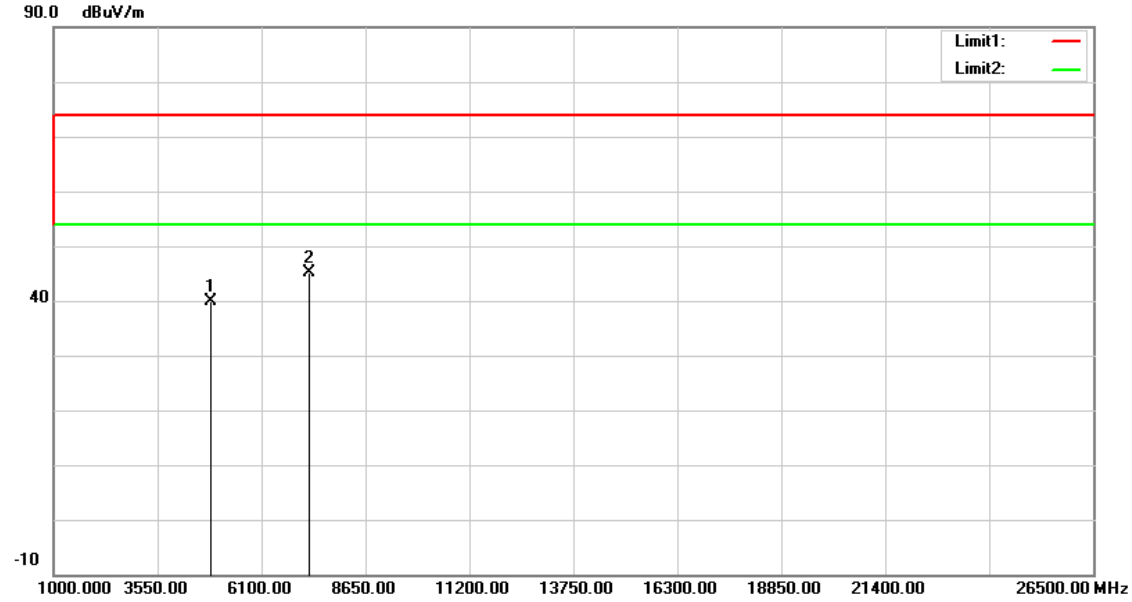
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	32.80	6.28	39.08	74.00	-34.92	peak
2	7386.000	33.44	12.99	46.43	74.00	-27.57	peak

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	Power:	AC 110 V/60 Hz
Frequency:	2422 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



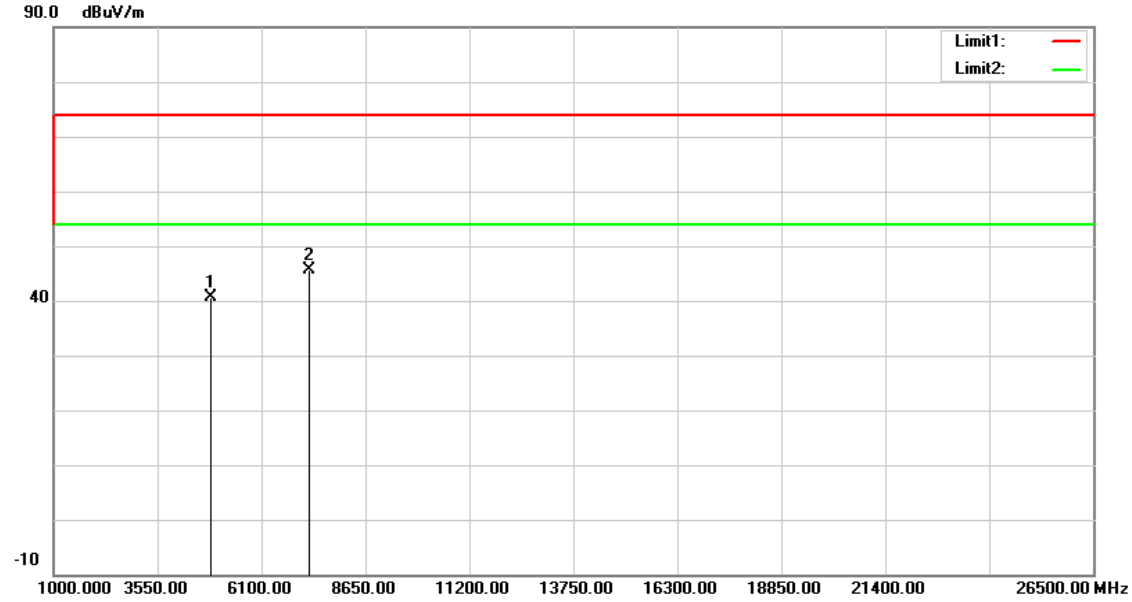
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	33.95	6.04	39.99	74.00	-34.01	peak
2	7266.000	32.53	12.59	45.12	74.00	-28.88	peak

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	Power:	AC 110 V/60 Hz
Frequency:	2422 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



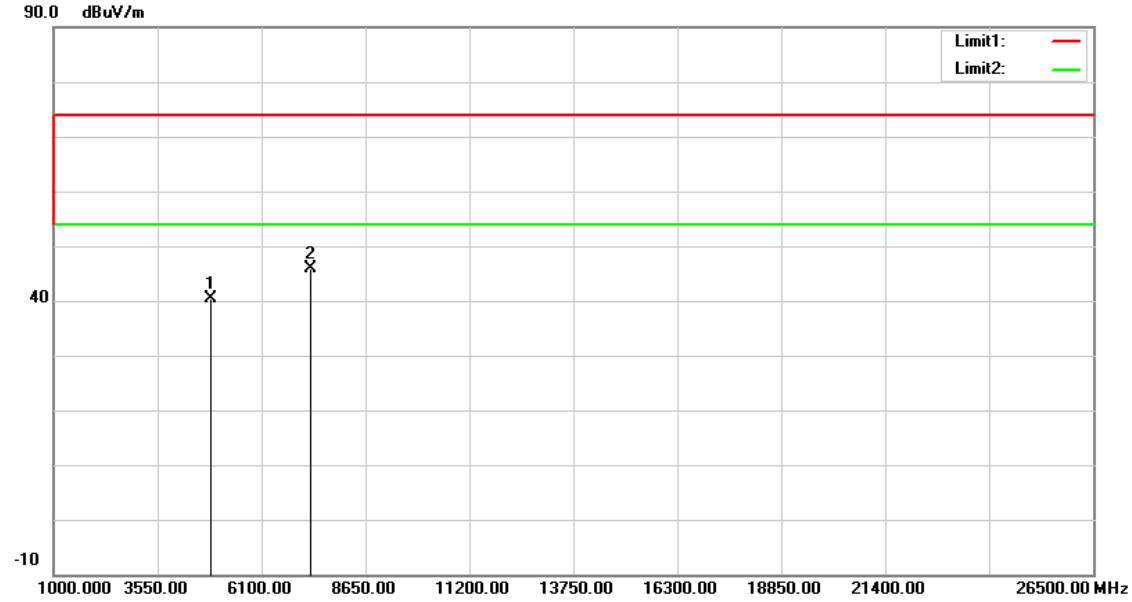
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	34.66	6.04	40.70	74.00	-33.30	peak
2	7266.000	32.98	12.59	45.57	74.00	-28.43	peak

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	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



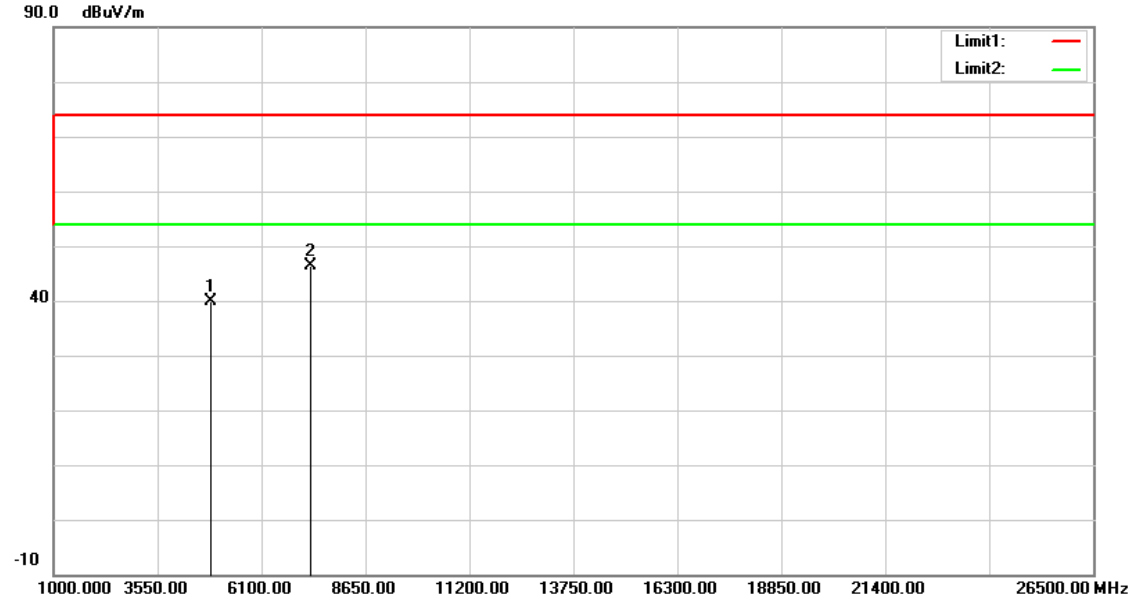
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.38	6.12	40.50	74.00	-33.50	peak
2	7311.000	33.08	12.73	45.81	74.00	-28.19	peak

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	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



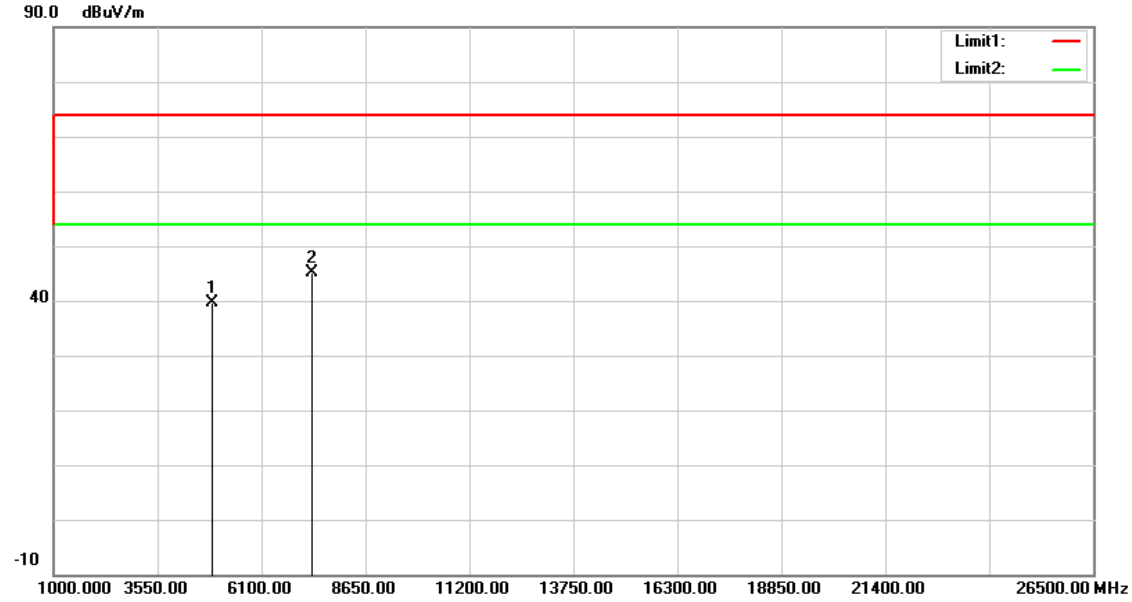
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	33.74	6.12	39.86	74.00	-34.14	peak
2	7311.000	33.75	12.73	46.48	74.00	-27.52	peak

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	Power:	AC 110 V/60 Hz
Frequency:	2452 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



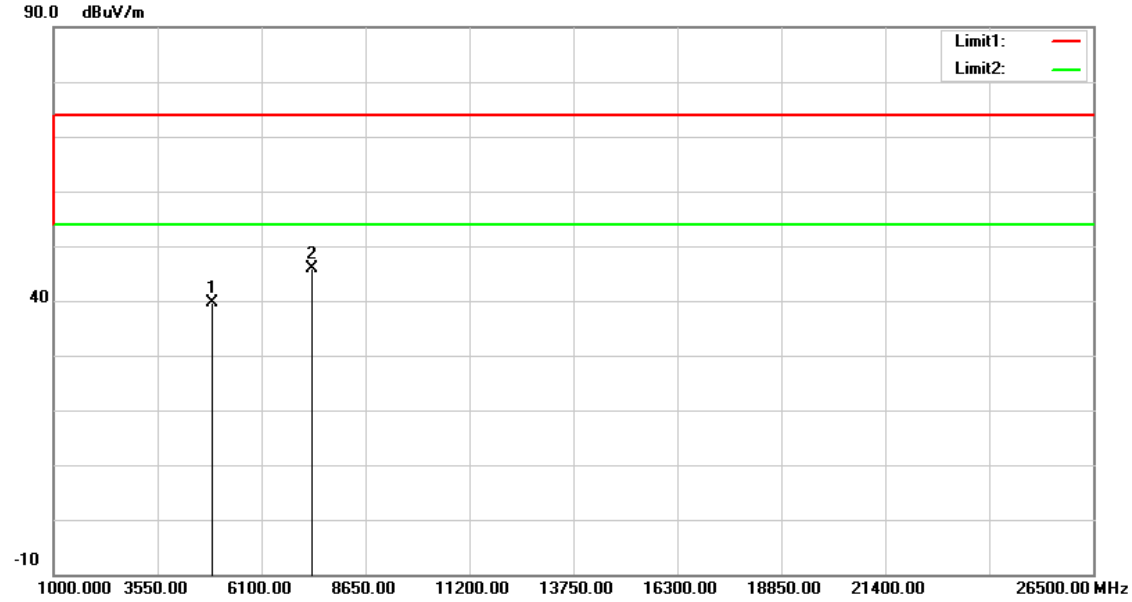
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	33.33	6.21	39.54	74.00	-34.46	peak
2	7356.000	32.33	12.89	45.22	74.00	-28.78	peak

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	Power:	AC 110 V/60 Hz
Frequency:	2452 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



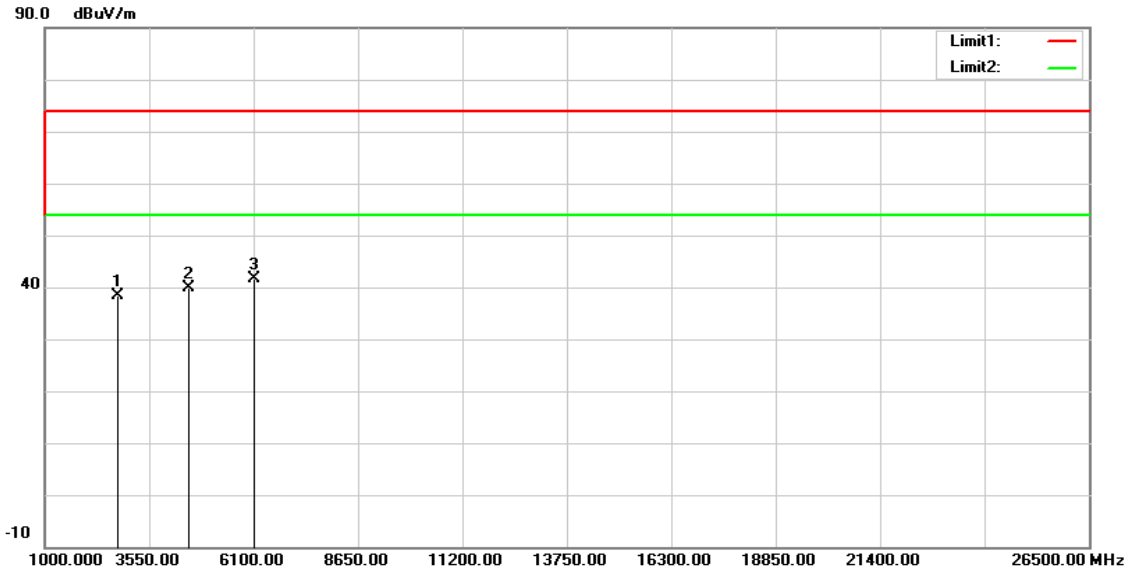
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	33.44	6.21	39.65	74.00	-34.35	peak
2	7356.000	33.04	12.89	45.93	74.00	-28.07	peak

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	Power:	AC 110 V/60 Hz
Mode:	Simultaneous Transmitting (WLAN 2.4 GHz + Bluetooth)	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Ant.Polar.:	Horizontal		



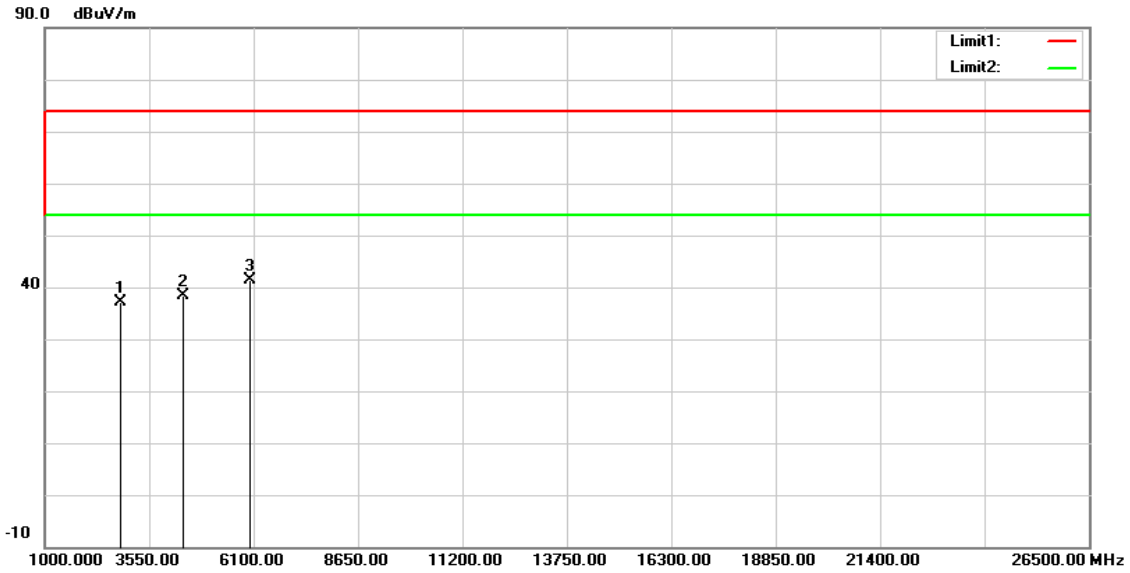
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2785.000	37.88	0.52	38.40	74.00	-35.60	peak
2	4502.000	34.90	4.98	39.88	74.00	-34.12	peak
3	6117.000	32.32	9.29	41.61	74.00	-32.39	peak

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	Power:	AC 110 V/60 Hz
Mode:	Simultaneous Transmitting (WLAN 2.4 GHz + Bluetooth)	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Ant.Polar.:	Vertical		



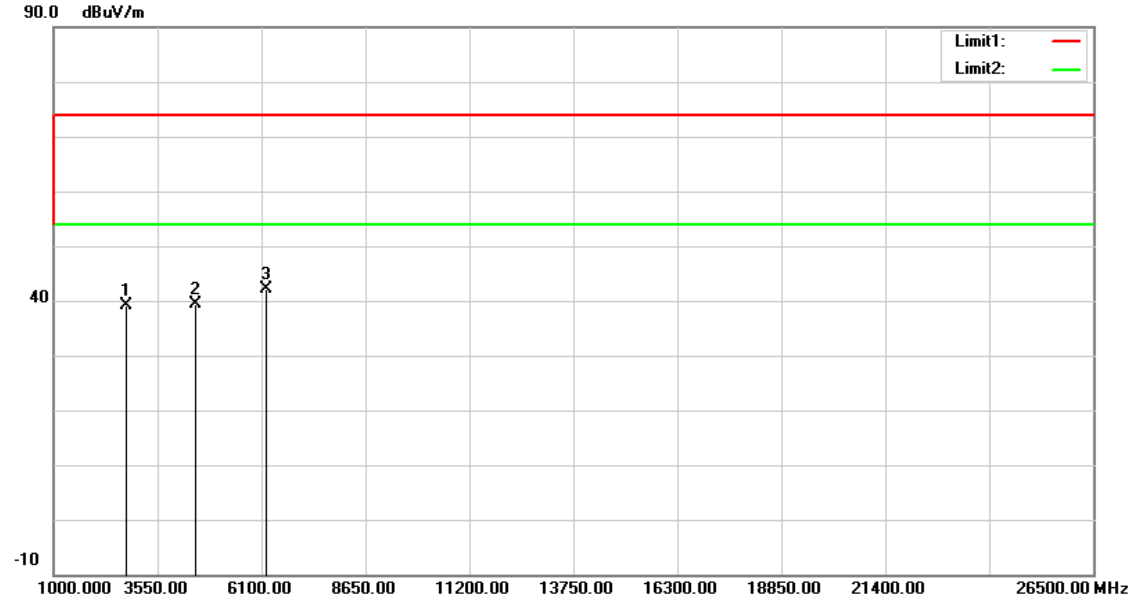
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2819.000	36.44	0.62	37.06	74.00	-36.94	peak
2	4383.000	33.70	4.75	38.45	74.00	-35.55	peak
3	5981.000	32.38	8.90	41.28	74.00	-32.72	peak

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	Power:	AC 110 V/60 Hz
Mode:	Mode 12	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Ant.Polar.:	Horizontal		
Description:			



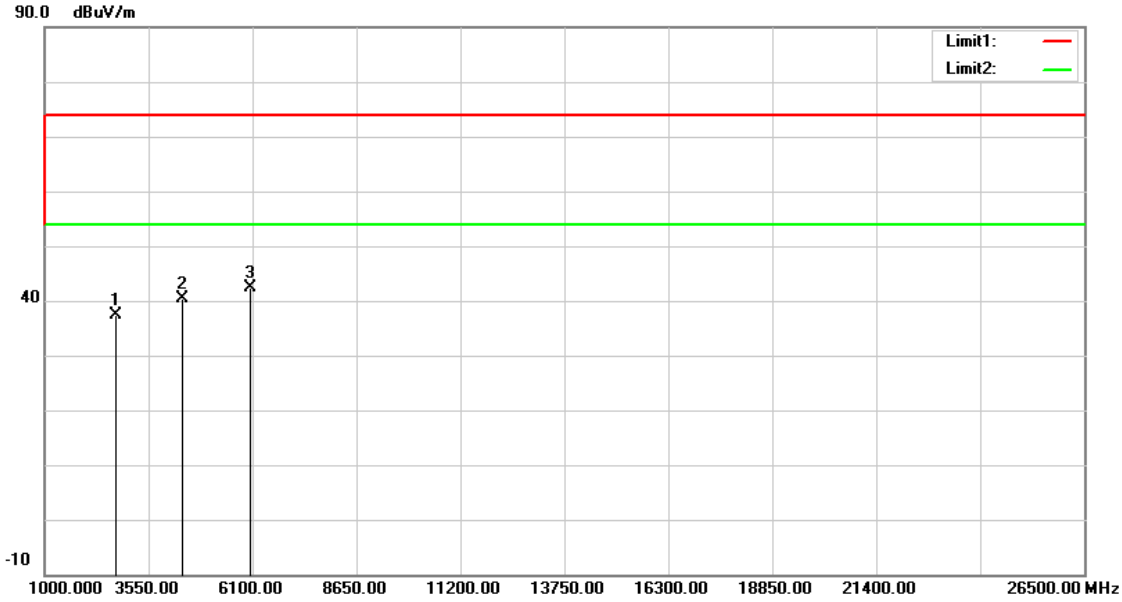
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2785.000	38.65	0.52	39.17	74.00	-34.83	peak
2	4451.000	34.50	4.88	39.38	74.00	-34.62	peak
3	6202.000	32.71	9.54	42.25	74.00	-31.75	peak

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	Power:	AC 110 V/60 Hz
Mode:	Mode 12	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Ant.Polar.:	Vertical		
Description:			



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2751.000	36.95	0.42	37.37	74.00	-36.63	peak
2	4349.000	35.79	4.70	40.49	74.00	-33.51	peak
3	6049.000	33.38	9.09	42.47	74.00	-31.53	peak

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

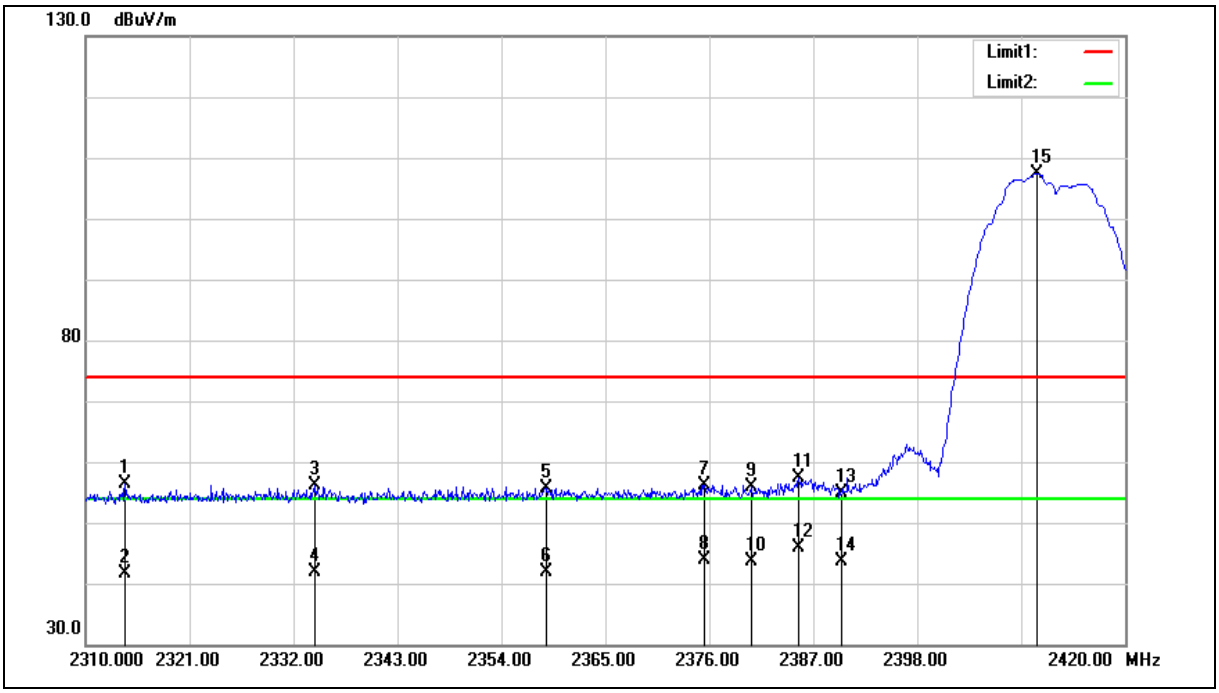
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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

頻帶邊緣

附註: 其上下邊緣落於低功率射頻電機第 2.7 節所列頻帶內之混附發射，其電場強度必須符合第 2.8 節的限制規定。

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		

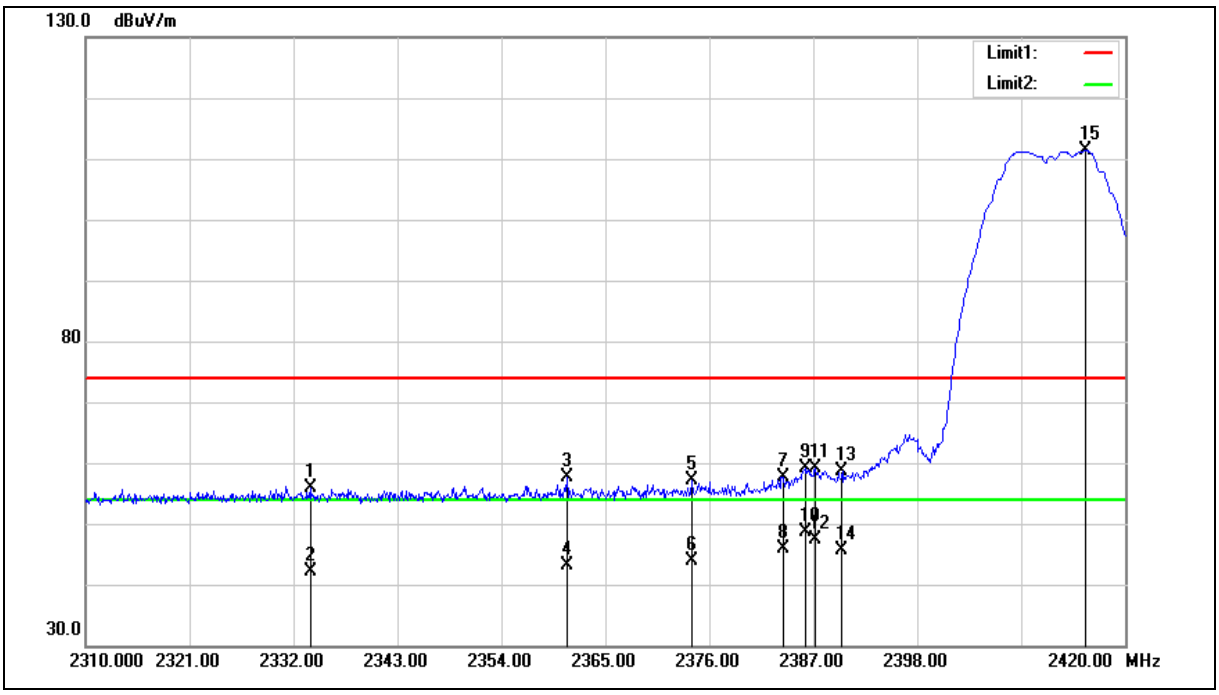
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2314.180	57.56	-1.25	56.31	74.00	-17.69	peak
2	2314.180	42.95	-1.25	41.70	54.00	-12.30	AVG
3	2334.200	57.23	-1.15	56.08	74.00	-17.92	peak
4	2334.200	43.05	-1.15	41.90	54.00	-12.10	AVG
5	2358.730	56.64	-1.03	55.61	74.00	-18.39	peak
6	2358.730	43.03	-1.03	42.00	54.00	-12.00	AVG
7	2375.450	57.08	-0.94	56.14	74.00	-17.86	peak
8	2375.450	44.73	-0.94	43.79	54.00	-10.21	AVG
9	2380.400	56.79	-0.93	55.86	74.00	-18.14	peak
10	2380.400	44.66	-0.93	43.73	54.00	-10.27	AVG
11	2385.460	58.21	-0.90	57.31	74.00	-16.69	peak
12	2385.460	46.70	-0.90	45.80	54.00	-8.20	AVG
13	2390.000	55.85	-0.87	54.98	74.00	-19.02	peak
14	2390.000	44.59	-0.87	43.72	54.00	-10.28	AVG
15	2410.650	108.12	-0.76	107.36	--	--	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	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		

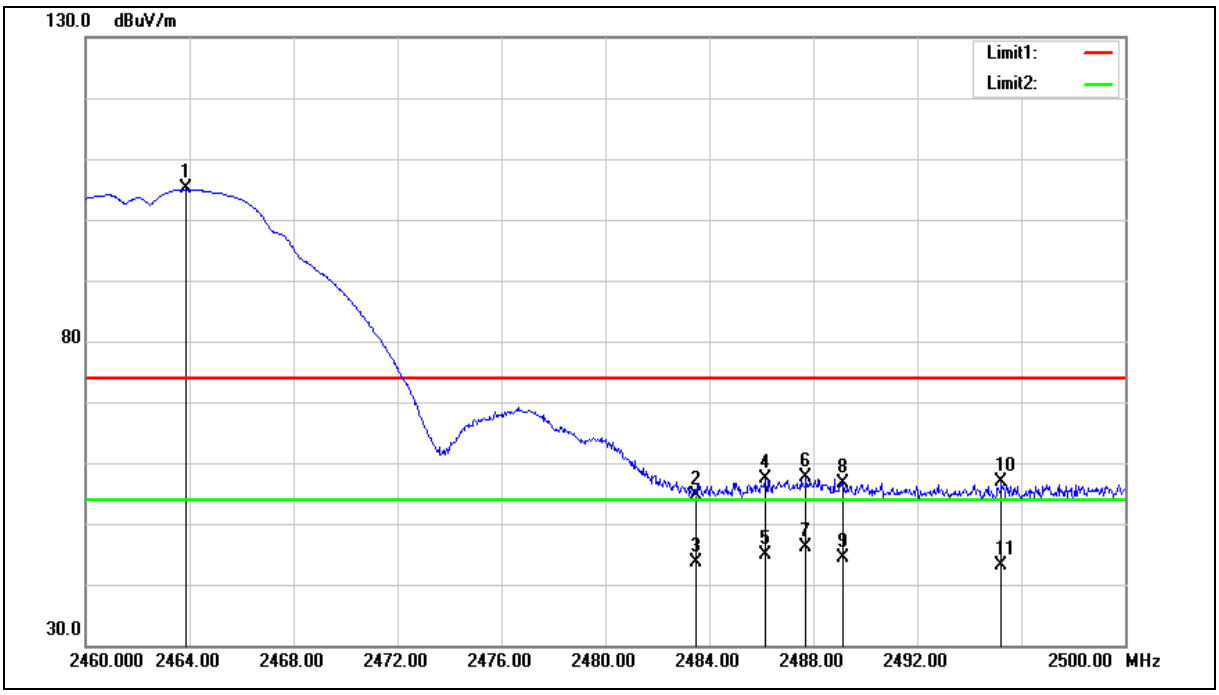
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2333.760	57.10	-1.16	55.94	74.00	-18.06	peak
2	2333.760	43.39	-1.16	42.23	54.00	-11.77	AVG
3	2360.930	58.76	-1.02	57.74	74.00	-16.26	peak
4	2360.930	44.09	-1.02	43.07	54.00	-10.93	AVG
5	2374.130	58.17	-0.96	57.21	74.00	-16.79	peak
6	2374.130	44.94	-0.96	43.98	54.00	-10.02	AVG
7	2383.810	58.57	-0.91	57.66	74.00	-16.34	peak
8	2383.810	46.71	-0.91	45.80	54.00	-8.20	AVG
9	2386.120	60.00	-0.90	59.10	74.00	-14.90	peak
10	2386.120	49.64	-0.90	48.74	54.00	-5.26	AVG
11	2387.220	60.13	-0.88	59.25	74.00	-14.75	peak
12	2387.220	48.38	-0.88	47.50	54.00	-6.50	AVG
13	2390.000	59.51	-0.87	58.64	74.00	-15.36	peak
14	2390.000	46.38	-0.87	45.51	54.00	-8.49	AVG
15	2415.820	112.10	-0.74	111.36	--	--	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	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		

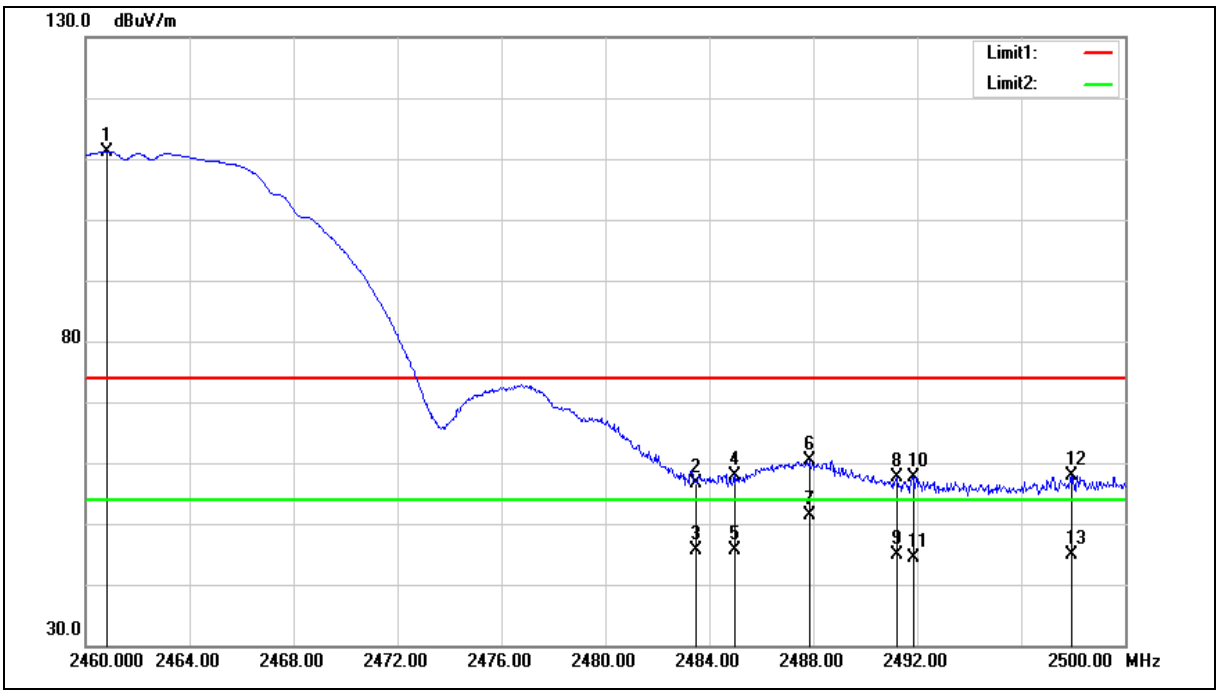
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.880	105.51	-0.49	105.02	--	--	peak
2	2483.500	54.99	-0.40	54.59	74.00	-19.41	peak
3	2483.500	44.04	-0.40	43.64	54.00	-10.36	AVG
4	2486.160	57.73	-0.38	57.35	74.00	-16.65	peak
5	2486.160	45.28	-0.38	44.90	54.00	-9.10	AVG
6	2487.720	57.95	-0.37	57.58	74.00	-16.42	peak
7	2487.720	46.42	-0.37	46.05	54.00	-7.95	AVG
8	2489.160	57.09	-0.37	56.72	74.00	-17.28	peak
9	2489.160	44.69	-0.37	44.32	54.00	-9.68	AVG
10	2495.240	57.12	-0.34	56.78	74.00	-17.22	peak
11	2495.240	43.36	-0.34	43.02	54.00	-10.98	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	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		

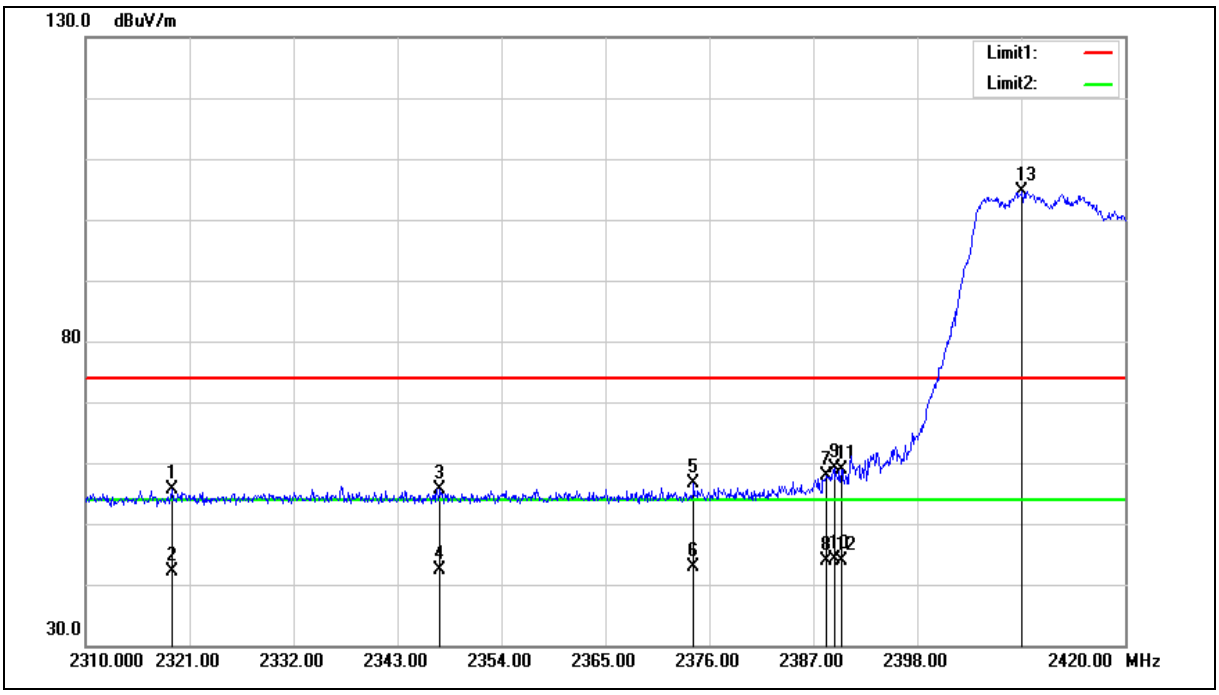
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2460.840	111.73	-0.51	111.22	--	--	peak
2	2483.500	57.03	-0.40	56.63	74.00	-17.37	peak
3	2483.500	46.05	-0.40	45.65	54.00	-8.35	AVG
4	2484.960	58.39	-0.39	58.00	74.00	-16.00	peak
5	2484.960	46.11	-0.39	45.72	54.00	-8.28	AVG
6	2487.840	60.79	-0.37	60.42	74.00	-13.58	peak
7	2487.840	51.74	-0.37	51.37	54.00	-2.63	AVG
8	2491.200	57.89	-0.36	57.53	74.00	-16.47	peak
9	2491.200	45.28	-0.36	44.92	54.00	-9.08	AVG
10	2491.840	58.10	-0.35	57.75	74.00	-16.25	peak
11	2491.840	44.61	-0.35	44.26	54.00	-9.74	AVG
12	2497.960	58.18	-0.32	57.86	74.00	-16.14	peak
13	2497.960	45.13	-0.32	44.81	54.00	-9.19	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	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

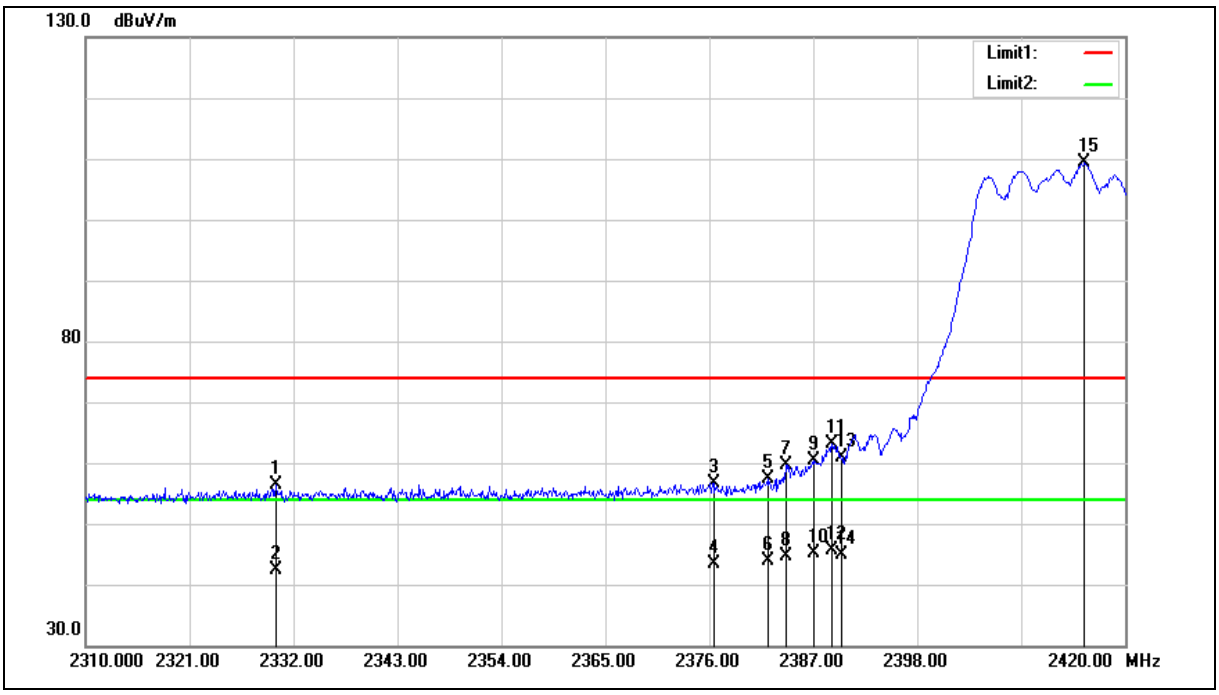
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2319.130	56.84	-1.22	55.62	74.00	-18.38	peak
2	2319.130	43.28	-1.22	42.06	54.00	-11.94	AVG
3	2347.510	56.73	-1.08	55.65	74.00	-18.35	peak
4	2347.510	43.49	-1.08	42.41	54.00	-11.59	AVG
5	2374.350	57.61	-0.96	56.65	74.00	-17.35	peak
6	2374.350	43.82	-0.96	42.86	54.00	-11.14	AVG
7	2388.320	58.64	-0.88	57.76	74.00	-16.24	peak
8	2388.320	44.86	-0.88	43.98	54.00	-10.02	AVG
9	2389.200	60.05	-0.88	59.17	74.00	-14.83	peak
10	2389.200	44.92	-0.88	44.04	54.00	-9.96	AVG
11	2390.000	59.82	-0.87	58.95	74.00	-15.05	peak
12	2390.000	44.81	-0.87	43.94	54.00	-10.06	AVG
13	2409.110	105.41	-0.78	104.63	--	--	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	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		

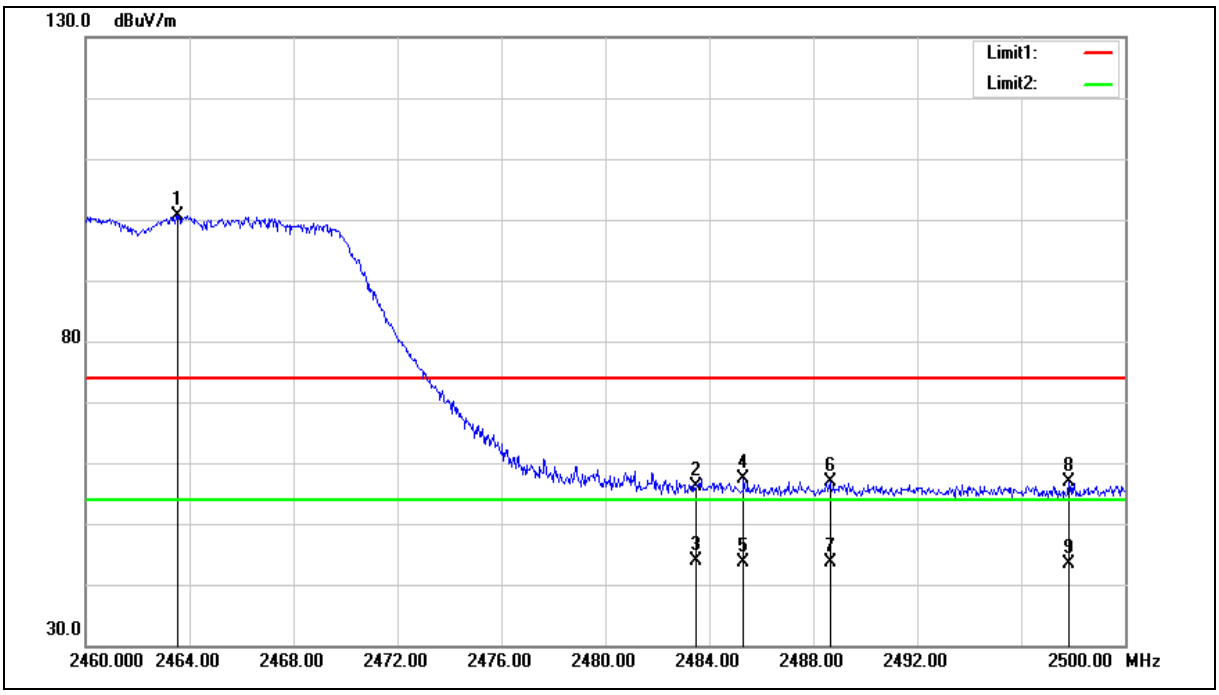
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2330.130	57.44	-1.17	56.27	74.00	-17.73	peak
2	2330.130	43.50	-1.17	42.33	54.00	-11.67	AVG
3	2376.440	57.66	-0.94	56.72	74.00	-17.28	peak
4	2376.440	44.21	-0.94	43.27	54.00	-10.73	AVG
5	2382.160	58.29	-0.91	57.38	74.00	-16.62	peak
6	2382.160	44.75	-0.91	43.84	54.00	-10.16	AVG
7	2384.140	60.61	-0.90	59.71	74.00	-14.29	peak
8	2384.140	45.63	-0.90	44.73	54.00	-9.27	AVG
9	2387.000	61.26	-0.88	60.38	74.00	-13.62	peak
10	2387.000	46.04	-0.88	45.16	54.00	-8.84	AVG
11	2388.980	63.98	-0.88	63.10	74.00	-10.90	peak
12	2388.980	46.41	-0.88	45.53	54.00	-8.47	AVG
13	2390.000	61.82	-0.87	60.95	74.00	-13.05	peak
14	2390.000	45.83	-0.87	44.96	54.00	-9.04	AVG
15	2415.710	110.01	-0.74	109.27	--	--	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	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

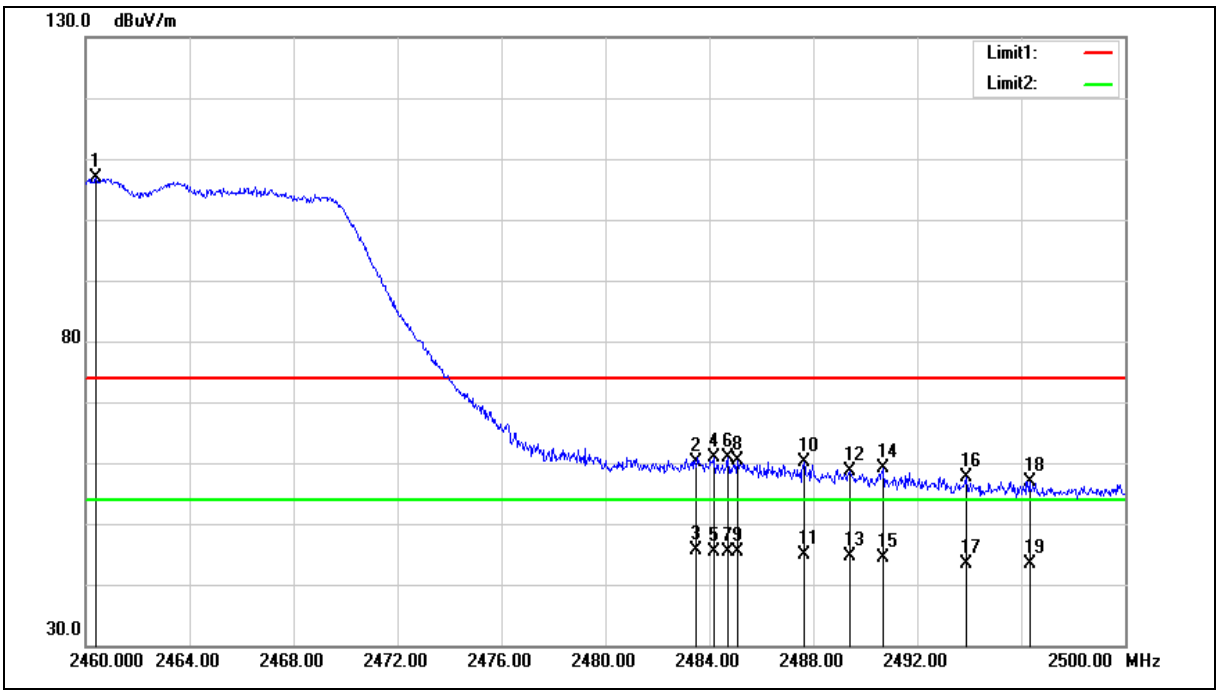
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.560	101.11	-0.49	100.62	--	--	peak
2	2483.500	56.52	-0.40	56.12	74.00	-17.88	peak
3	2483.500	44.18	-0.40	43.78	54.00	-10.22	AVG
4	2485.320	57.83	-0.39	57.44	74.00	-16.56	peak
5	2485.320	44.05	-0.39	43.66	54.00	-10.34	AVG
6	2488.640	57.17	-0.37	56.80	74.00	-17.20	peak
7	2488.640	43.90	-0.37	43.53	54.00	-10.47	AVG
8	2497.840	57.08	-0.32	56.76	74.00	-17.24	peak
9	2497.840	43.79	-0.32	43.47	54.00	-10.53	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	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		

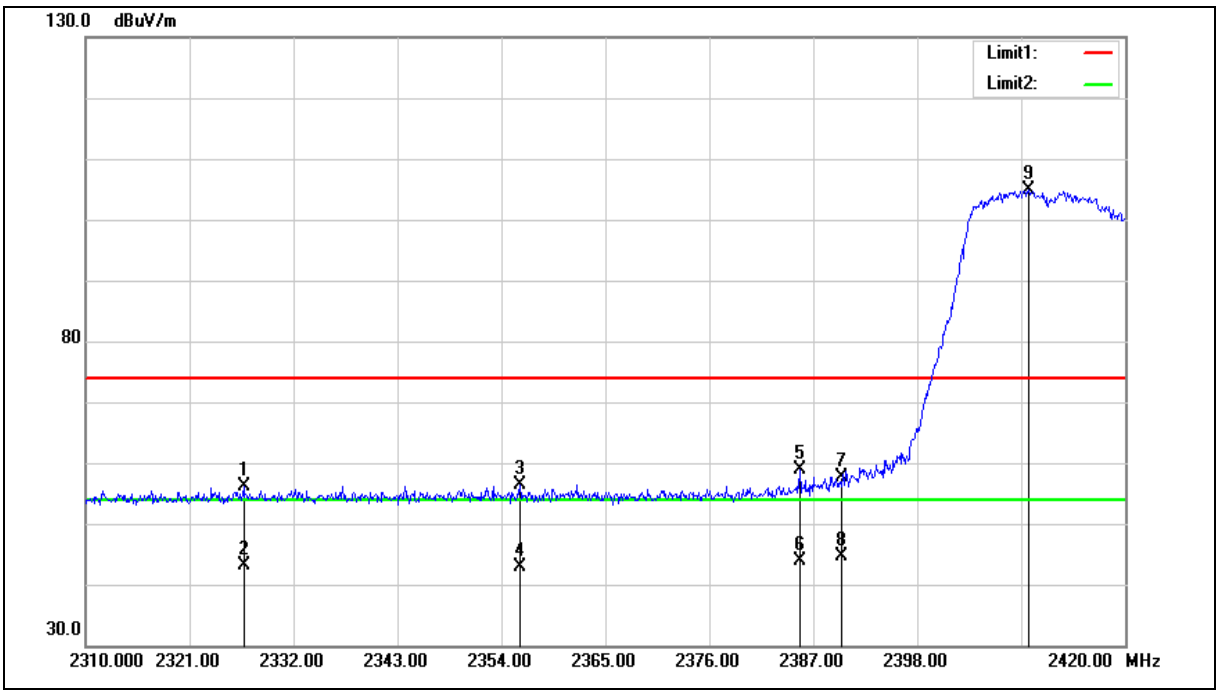
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2460.400	107.30	-0.51	106.79	--	--	peak
2	2483.500	60.48	-0.40	60.08	74.00	-13.92	peak
3	2483.500	45.94	-0.40	45.54	54.00	-8.46	AVG
4	2484.160	61.19	-0.39	60.80	74.00	-13.20	peak
5	2484.160	45.79	-0.39	45.40	54.00	-8.60	AVG
6	2484.720	61.31	-0.39	60.92	74.00	-13.08	peak
7	2484.720	45.75	-0.39	45.36	54.00	-8.64	AVG
8	2485.080	60.69	-0.39	60.30	74.00	-13.70	peak
9	2485.080	45.67	-0.39	45.28	54.00	-8.72	AVG
10	2487.640	60.40	-0.37	60.03	74.00	-13.97	peak
11	2487.640	45.27	-0.37	44.90	54.00	-9.10	AVG
12	2489.400	58.97	-0.37	58.60	74.00	-15.40	peak
13	2489.400	44.90	-0.37	44.53	54.00	-9.47	AVG
14	2490.680	59.38	-0.36	59.02	74.00	-14.98	peak
15	2490.680	44.66	-0.36	44.30	54.00	-9.70	AVG
16	2493.880	57.90	-0.34	57.56	74.00	-16.44	peak
17	2493.880	43.84	-0.34	43.50	54.00	-10.50	AVG
18	2496.320	57.26	-0.33	56.93	74.00	-17.07	peak
19	2496.320	43.79	-0.33	43.46	54.00	-10.54	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	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

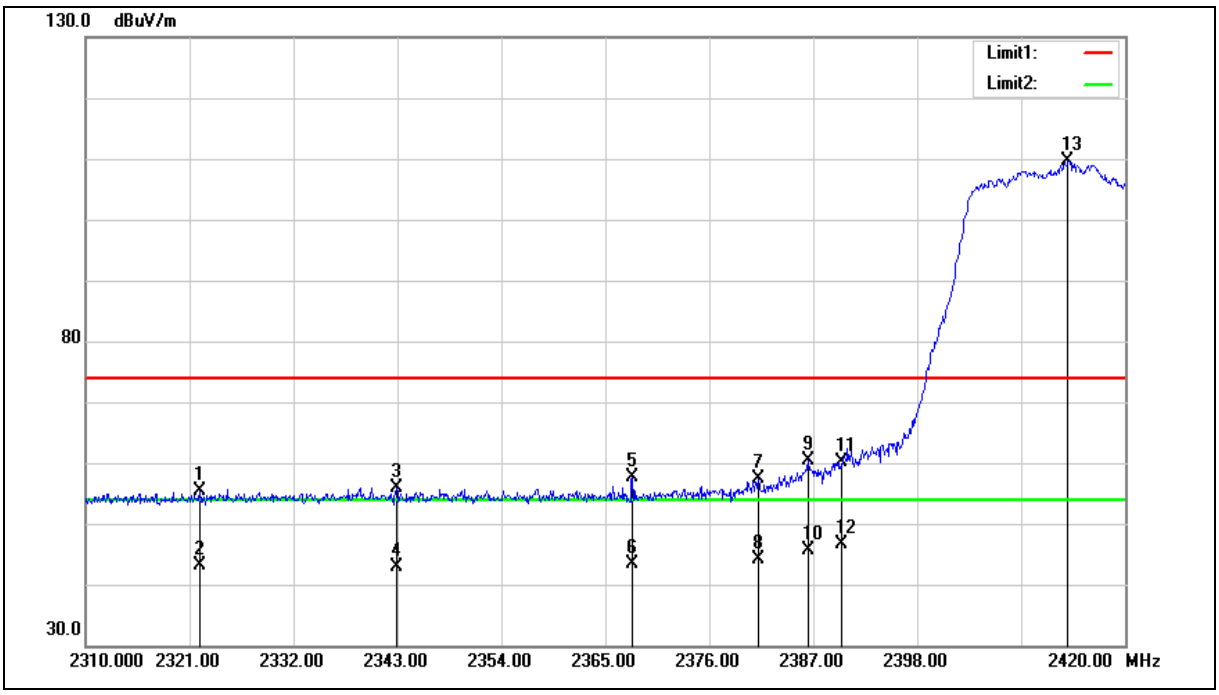
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2326.720	57.42	-1.19	56.23	74.00	-17.77	peak
2	2326.720	44.22	-1.19	43.03	54.00	-10.97	AVG
3	2355.980	57.37	-1.04	56.33	74.00	-17.67	peak
4	2355.980	43.81	-1.04	42.77	54.00	-11.23	AVG
5	2385.570	59.79	-0.90	58.89	74.00	-15.11	peak
6	2385.570	44.79	-0.90	43.89	54.00	-10.11	AVG
7	2390.000	58.44	-0.87	57.57	74.00	-16.43	peak
8	2390.000	45.58	-0.87	44.71	54.00	-9.29	AVG
9	2409.770	105.73	-0.78	104.95	--	--	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:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		

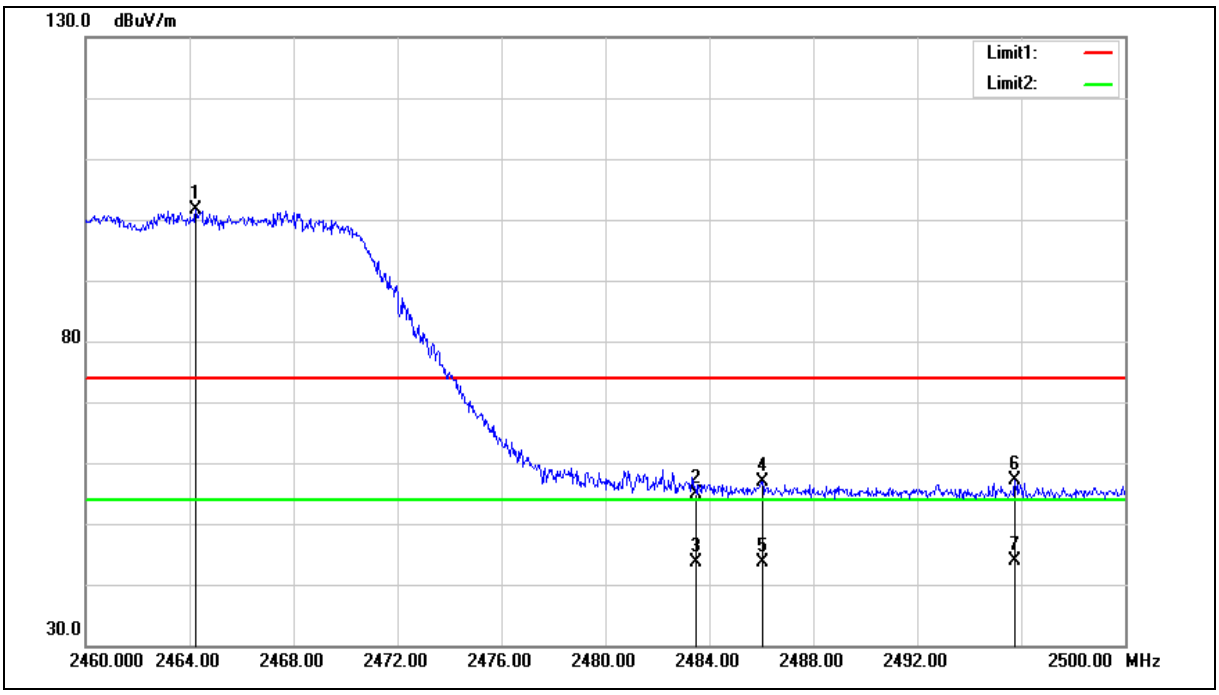
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2322.100	56.54	-1.21	55.33	74.00	-18.67	peak
2	2322.100	44.44	-1.21	43.23	54.00	-10.77	AVG
3	2342.890	57.04	-1.10	55.94	74.00	-18.06	peak
4	2342.890	44.08	-1.10	42.98	54.00	-11.02	AVG
5	2367.860	58.51	-0.99	57.52	74.00	-16.48	peak
6	2367.860	44.34	-0.99	43.35	54.00	-10.65	AVG
7	2381.170	58.29	-0.91	57.38	74.00	-16.62	peak
8	2381.170	45.13	-0.91	44.22	54.00	-9.78	AVG
9	2386.450	61.19	-0.90	60.29	74.00	-13.71	peak
10	2386.450	46.41	-0.90	45.51	54.00	-8.49	AVG
11	2390.000	61.04	-0.87	60.17	74.00	-13.83	peak
12	2390.000	47.53	-0.87	46.66	54.00	-7.34	AVG
13	2413.950	110.43	-0.75	109.68	--	--	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	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

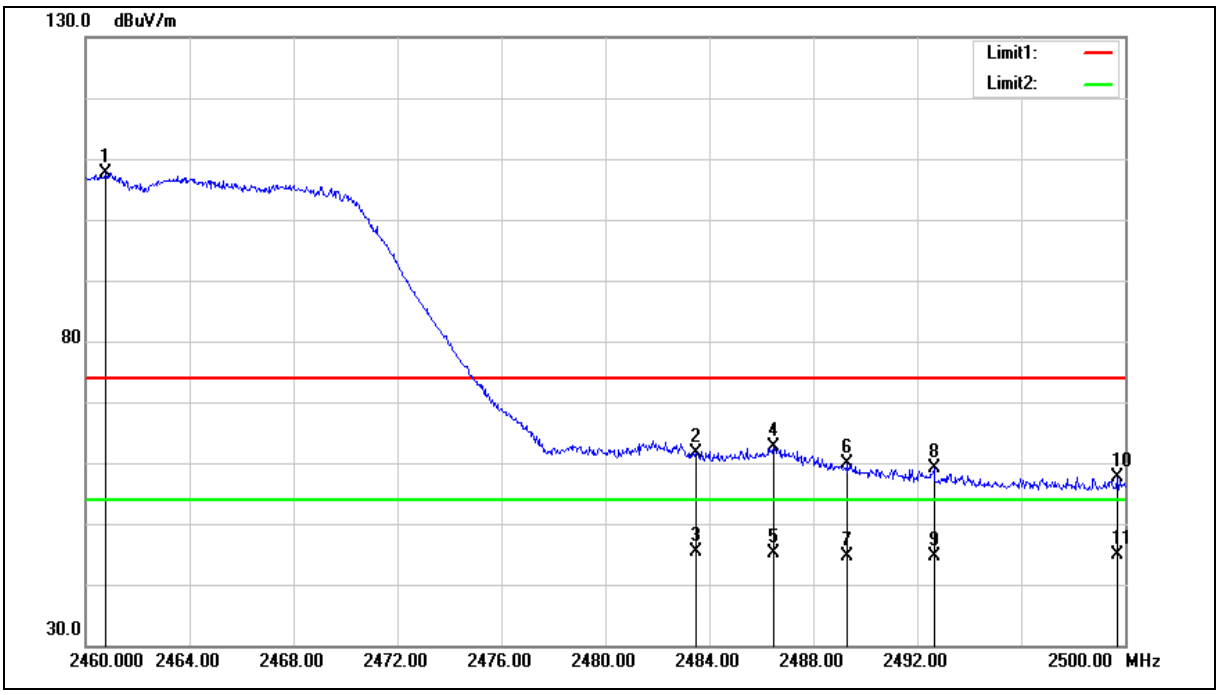
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2464.240	102.17	-0.49	101.68	--	--	peak
2	2483.500	55.37	-0.40	54.97	74.00	-19.03	peak
3	2483.500	44.03	-0.40	43.63	54.00	-10.37	AVG
4	2486.040	57.19	-0.38	56.81	74.00	-17.19	peak
5	2486.040	44.08	-0.38	43.70	54.00	-10.30	AVG
6	2495.760	57.44	-0.33	57.11	74.00	-16.89	peak
7	2495.760	44.15	-0.33	43.82	54.00	-10.18	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	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		

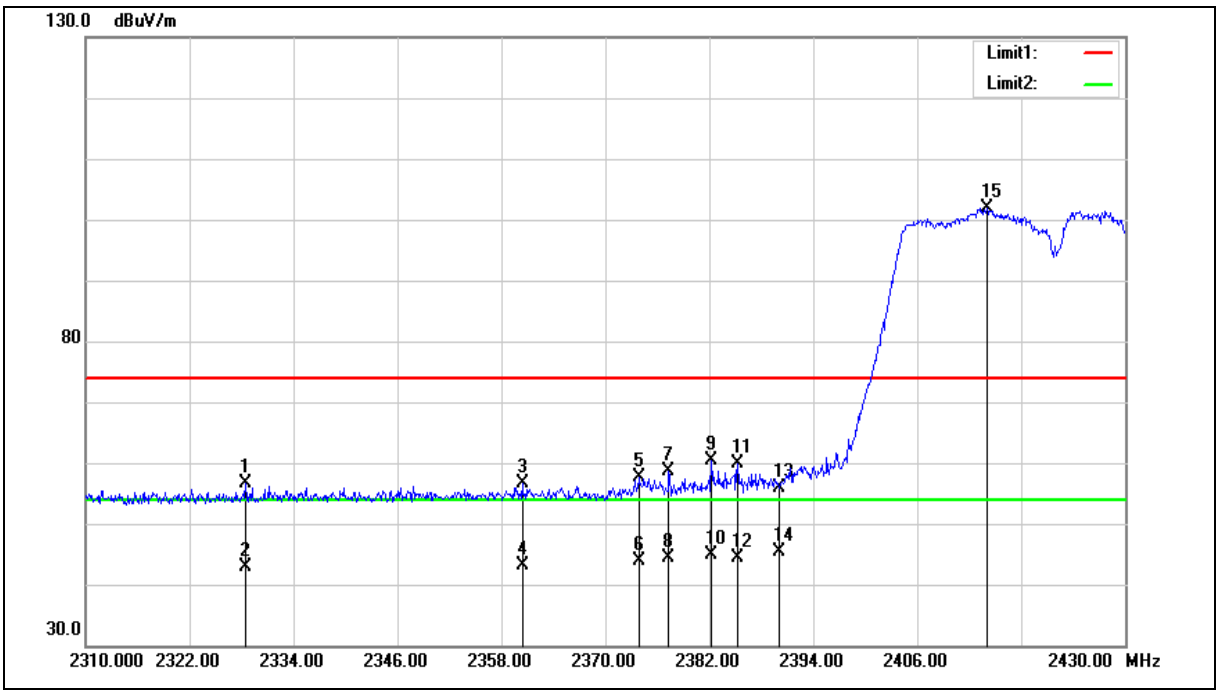
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2460.760	108.14	-0.51	107.63	--	--	peak
2	2483.500	61.91	-0.40	61.51	74.00	-12.49	peak
3	2483.500	45.88	-0.40	45.48	54.00	-8.52	AVG
4	2486.480	63.12	-0.38	62.74	74.00	-11.26	peak
5	2486.480	45.51	-0.38	45.13	54.00	-8.87	AVG
6	2489.320	60.36	-0.37	59.99	74.00	-14.01	peak
7	2489.320	45.03	-0.37	44.66	54.00	-9.34	AVG
8	2492.640	59.54	-0.35	59.19	74.00	-14.81	peak
9	2492.640	44.90	-0.35	44.55	54.00	-9.45	AVG
10	2499.720	58.05	-0.31	57.74	74.00	-16.26	peak
11	2499.720	45.21	-0.31	44.90	54.00	-9.10	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	Power:	AC 110 V/60 Hz
Frequency:	2422 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2422 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

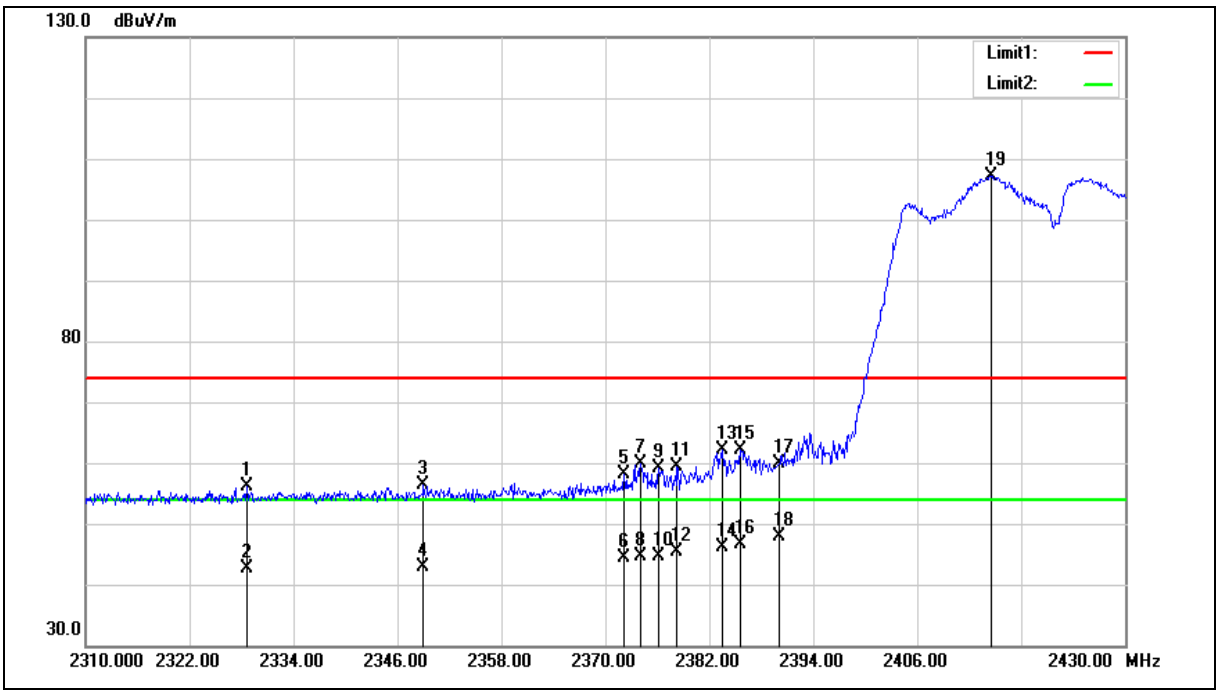
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2328.480	57.79	-1.18	56.61	74.00	-17.39	peak
2	2328.480	44.16	-1.18	42.98	54.00	-11.02	AVG
3	2360.400	57.67	-1.02	56.65	74.00	-17.35	peak
4	2360.400	44.15	-1.02	43.13	54.00	-10.87	AVG
5	2373.840	58.61	-0.96	57.65	74.00	-16.35	peak
6	2373.840	44.76	-0.96	43.80	54.00	-10.20	AVG
7	2377.320	59.45	-0.94	58.51	74.00	-15.49	peak
8	2377.320	45.44	-0.94	44.50	54.00	-9.50	AVG
9	2382.240	61.36	-0.91	60.45	74.00	-13.55	peak
10	2382.240	45.69	-0.91	44.78	54.00	-9.22	AVG
11	2385.240	60.70	-0.90	59.80	74.00	-14.20	peak
12	2385.240	45.32	-0.90	44.42	54.00	-9.58	AVG
13	2390.000	56.75	-0.87	55.88	74.00	-18.12	peak
14	2390.000	46.26	-0.87	45.39	54.00	-8.61	AVG
15	2414.040	102.55	-0.75	101.80	--	--	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	Power:	AC 110 V/60 Hz
Frequency:	2422 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2422 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

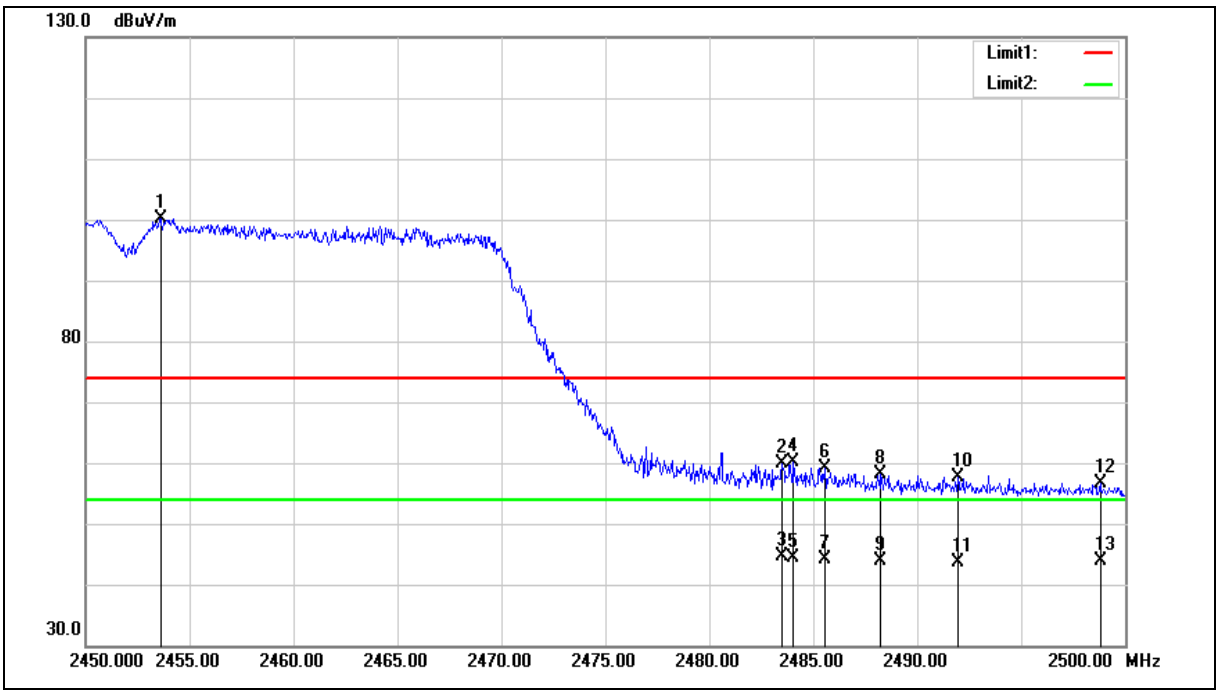
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2328.600	57.18	-1.17	56.01	74.00	-17.99	peak
2	2328.600	43.92	-1.17	42.75	54.00	-11.25	AVG
3	2349.000	57.49	-1.07	56.42	74.00	-17.58	peak
4	2349.000	44.00	-1.07	42.93	54.00	-11.07	AVG
5	2372.160	59.07	-0.96	58.11	74.00	-15.89	peak
6	2372.160	45.41	-0.96	44.45	54.00	-9.55	AVG
7	2374.080	60.84	-0.96	59.88	74.00	-14.12	peak
8	2374.080	45.49	-0.96	44.53	54.00	-9.47	AVG
9	2376.120	60.14	-0.94	59.20	74.00	-14.80	peak
10	2376.120	45.58	-0.94	44.64	54.00	-9.36	AVG
11	2378.280	60.21	-0.93	59.28	74.00	-14.72	peak
12	2378.280	46.30	-0.93	45.37	54.00	-8.63	AVG
13	2383.560	63.06	-0.91	62.15	74.00	-11.85	peak
14	2383.560	46.93	-0.91	46.02	54.00	-7.98	AVG
15	2385.600	63.06	-0.90	62.16	74.00	-11.84	peak
16	2385.600	47.41	-0.90	46.51	54.00	-7.49	AVG
17	2390.000	60.79	-0.87	59.92	74.00	-14.08	peak
18	2390.000	48.68	-0.87	47.81	54.00	-6.19	AVG
19	2414.520	107.84	-0.75	107.09	--	--	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	Power:	AC 110 V/60 Hz
Frequency:	2452 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2452 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

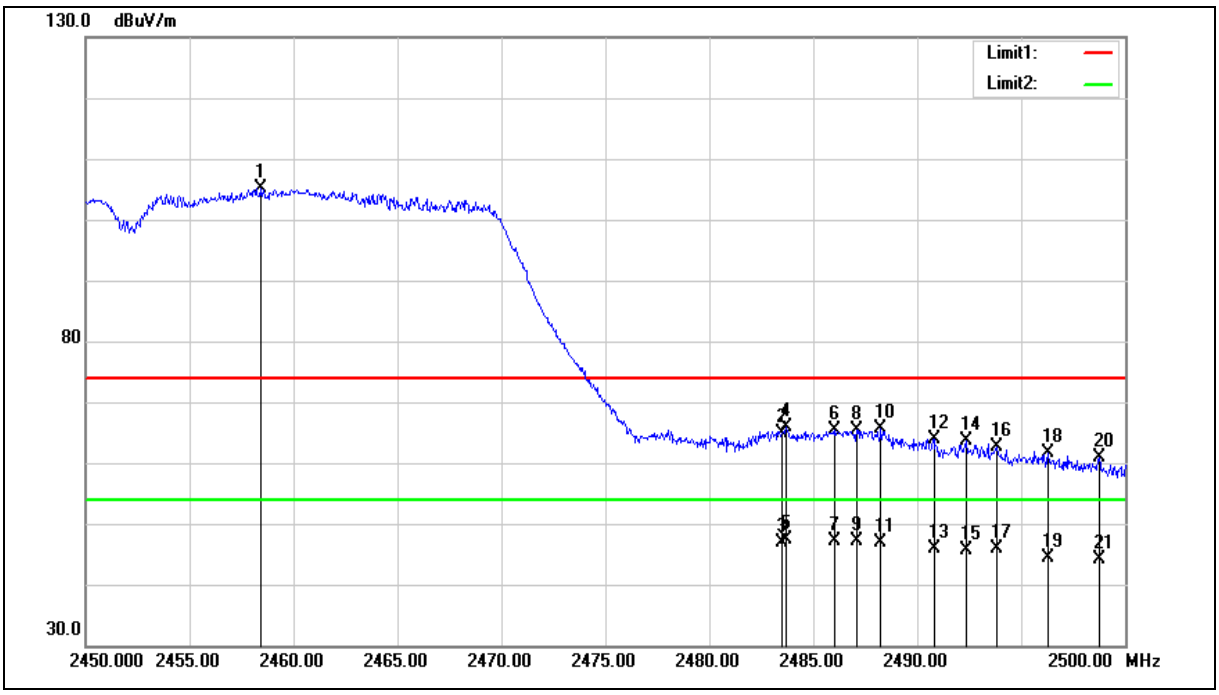
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2453.600	100.67	-0.55	100.12	--	--	peak
2	2483.500	60.23	-0.40	59.83	74.00	-14.17	peak
3	2483.500	45.01	-0.40	44.61	54.00	-9.39	AVG
4	2484.050	60.40	-0.39	60.01	74.00	-13.99	peak
5	2484.050	44.65	-0.39	44.26	54.00	-9.74	AVG
6	2485.550	59.44	-0.38	59.06	74.00	-14.94	peak
7	2485.550	44.43	-0.38	44.05	54.00	-9.95	AVG
8	2488.250	58.54	-0.37	58.17	74.00	-15.83	peak
9	2488.250	44.24	-0.37	43.87	54.00	-10.13	AVG
10	2491.950	58.01	-0.35	57.66	74.00	-16.34	peak
11	2491.950	44.08	-0.35	43.73	54.00	-10.27	AVG
12	2498.800	56.83	-0.31	56.52	74.00	-17.48	peak
13	2498.800	44.11	-0.31	43.80	54.00	-10.20	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	Power:	AC 110 V/60 Hz
Frequency:	2452 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2452 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2458.400	105.66	-0.52	105.14	--	--	peak
2	2483.500	65.39	-0.40	64.99	74.00	-9.01	peak
3	2483.500	47.23	-0.40	46.83	54.00	-7.17	AVG
4	2483.700	66.17	-0.40	65.77	74.00	-8.23	peak
5	2483.700	47.74	-0.40	47.34	54.00	-6.66	AVG
6	2486.050	65.74	-0.38	65.36	74.00	-8.64	peak
7	2486.050	47.61	-0.38	47.23	54.00	-6.77	AVG
8	2487.100	65.77	-0.37	65.40	74.00	-8.60	peak
9	2487.100	47.44	-0.37	47.07	54.00	-6.93	AVG
10	2488.250	66.10	-0.37	65.73	74.00	-8.27	peak
11	2488.250	47.17	-0.37	46.80	54.00	-7.20	AVG
12	2490.800	64.17	-0.36	63.81	74.00	-10.19	peak
13	2490.800	46.33	-0.36	45.97	54.00	-8.03	AVG
14	2492.350	64.02	-0.35	63.67	74.00	-10.33	peak
15	2492.350	45.97	-0.35	45.62	54.00	-8.38	AVG
16	2493.800	63.02	-0.34	62.68	74.00	-11.32	peak
17	2493.800	46.10	-0.34	45.76	54.00	-8.24	AVG
18	2496.300	62.05	-0.33	61.72	74.00	-12.28	peak
19	2496.300	44.71	-0.33	44.38	54.00	-9.62	AVG
20	2498.750	61.27	-0.31	60.96	74.00	-13.04	peak
21	2498.750	44.51	-0.31	44.20	54.00	-9.80	AVG

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

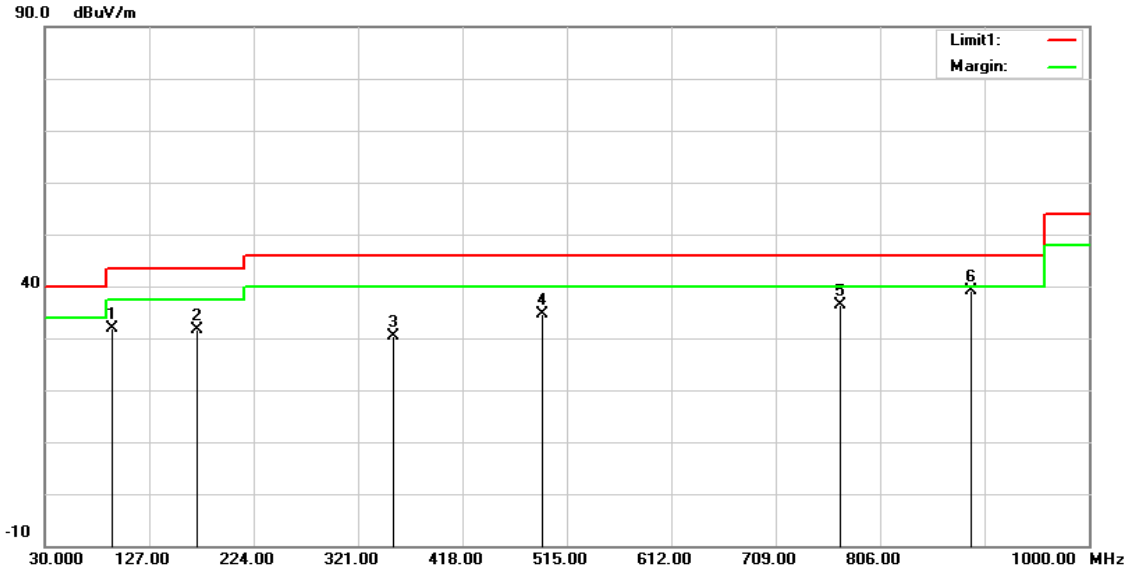
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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

With HDMI

其它不必要之訊號 (1 GHz 以下)

Standard:	LP0002	Test Distance:	3 m
Test item:	Radiated Emission	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
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	93.0500	43.50	-11.67	31.83	43.50	-11.67	QP
2	171.6200	37.43	-5.92	31.51	43.50	-11.99	QP
3	353.9800	33.59	-3.29	30.30	46.00	-15.70	QP
4	491.7200	34.99	-0.24	34.75	46.00	-11.25	QP
5	769.1400	31.00	5.44	36.44	46.00	-9.56	QP
6	890.3900	31.64	7.41	39.05	46.00	-6.95	QP

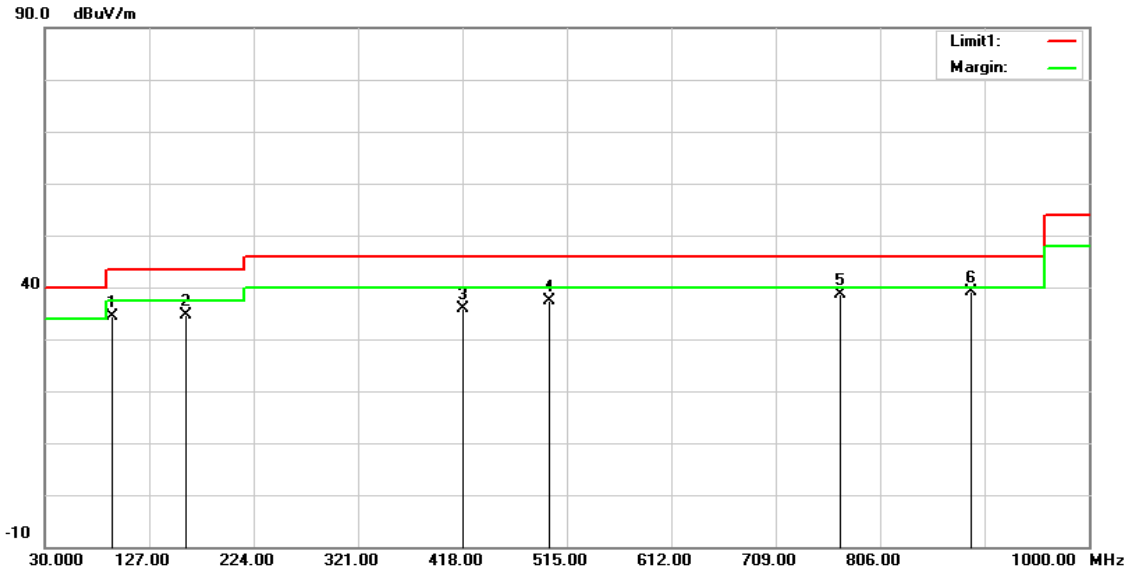
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 31.83 = -11.67 + 43.50

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	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	93.0500	45.96	-11.67	34.29	43.50	-9.21	QP
2	160.9500	40.15	-5.46	34.69	43.50	-8.81	QP
3	418.9700	37.39	-1.56	35.83	46.00	-10.17	QP
4	498.5100	37.47	-0.15	37.32	46.00	-8.68	QP
5	769.1400	33.25	5.44	38.69	46.00	-7.31	QP
6	890.3900	31.77	7.41	39.18	46.00	-6.82	QP

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

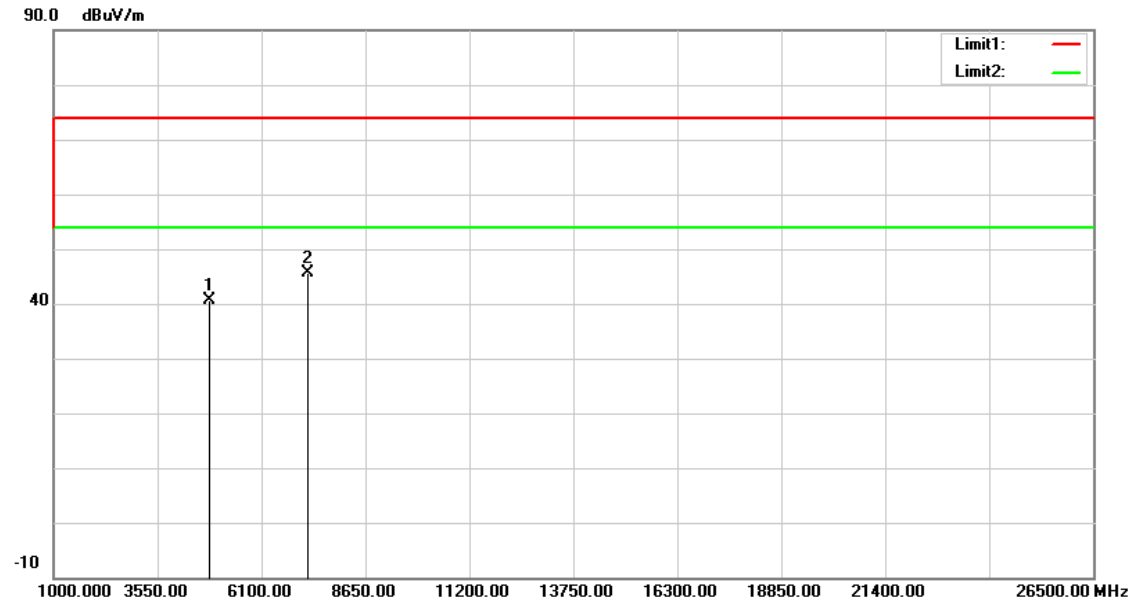
Example: 34.29 = -11.67 + 45.96

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.

場強輻射量側 (1 GHz 以上)

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
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	34.63	5.97	40.60	74.00	-33.40	peak
2	7236.000	33.08	12.48	45.56	74.00	-28.44	peak

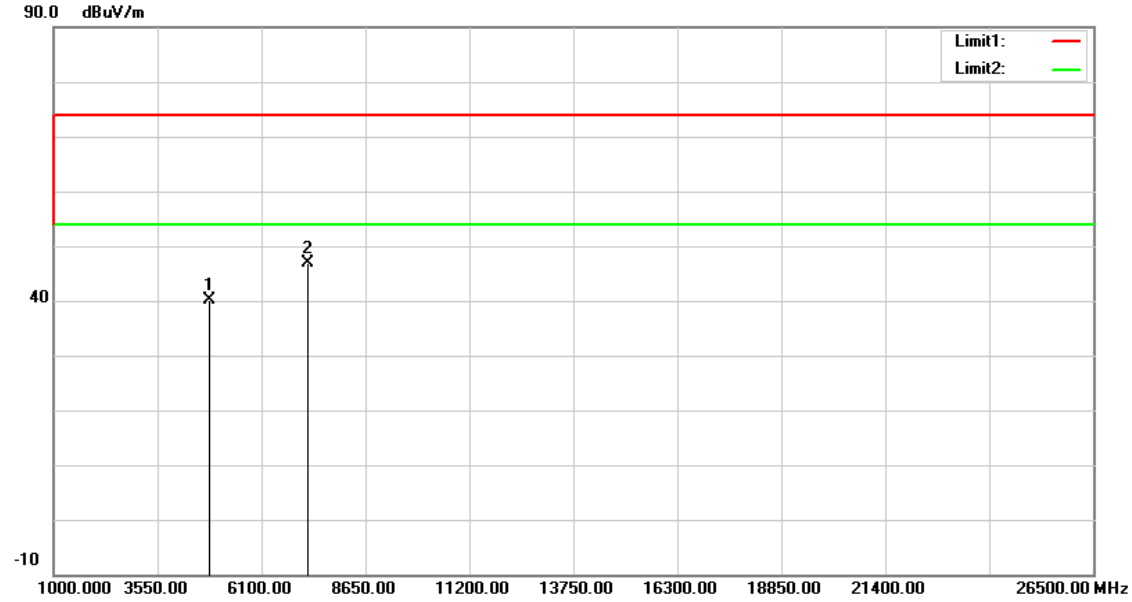
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 40.60 = 5.97 + 34.63

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	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	34.22	5.97	40.19	74.00	-33.81	peak
2	7236.000	34.31	12.48	46.79	74.00	-27.21	peak

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

Example: 40.19 = 5.97 + 34.22

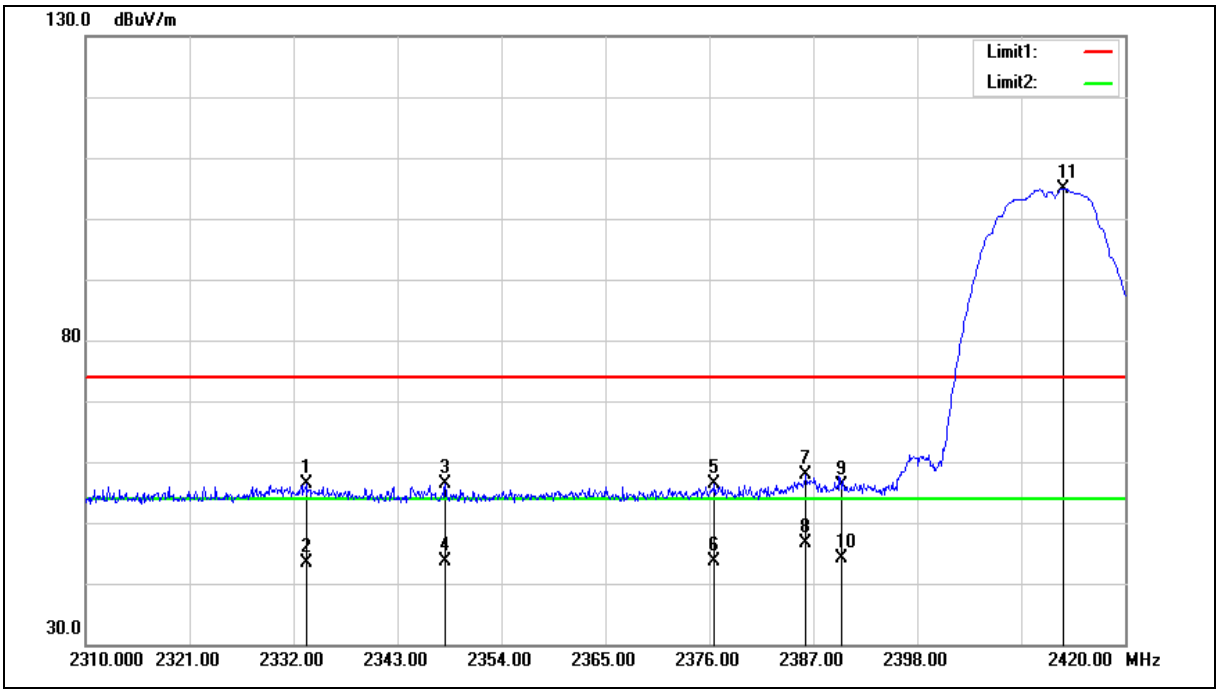
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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

頻帶邊緣

附註: 其上下邊緣落於低功率射頻電機第 2.7 節所列頻帶內之混附發射，其電場強度必須符合第 2.8 節的限制規定。

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		

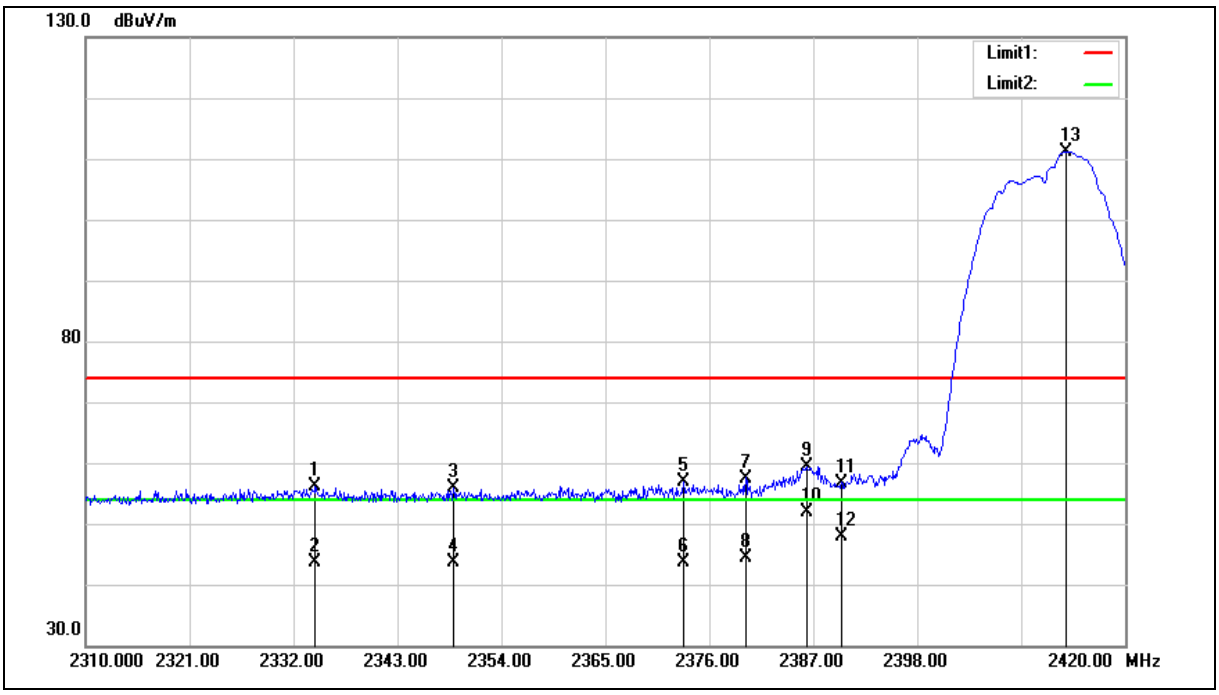
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2333.320	57.43	-1.16	56.27	74.00	-17.73	peak
2	2333.320	44.60	-1.16	43.44	54.00	-10.56	AVG
3	2348.060	57.34	-1.08	56.26	74.00	-17.74	peak
4	2348.060	44.60	-1.08	43.52	54.00	-10.48	AVG
5	2376.550	57.24	-0.94	56.30	74.00	-17.70	peak
6	2376.550	44.57	-0.94	43.63	54.00	-10.37	AVG
7	2386.230	58.81	-0.90	57.91	74.00	-16.09	peak
8	2386.230	47.61	-0.90	46.71	54.00	-7.29	AVG
9	2390.000	57.04	-0.87	56.17	74.00	-17.83	peak
10	2390.000	44.89	-0.87	44.02	54.00	-9.98	AVG
11	2413.400	105.63	-0.75	104.88	--	--	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	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(℃)/Hum.(%RH):	26(℃)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2334.310	57.25	-1.14	56.11	74.00	-17.89	peak
2	2334.310	44.69	-1.14	43.55	54.00	-10.45	AVG
3	2348.940	56.84	-1.07	55.77	74.00	-18.23	peak
4	2348.940	44.71	-1.07	43.64	54.00	-10.36	AVG
5	2373.250	57.87	-0.96	56.91	74.00	-17.09	peak
6	2373.250	44.65	-0.96	43.69	54.00	-10.31	AVG
7	2379.850	58.43	-0.93	57.50	74.00	-16.50	peak
8	2379.850	45.25	-0.93	44.32	54.00	-9.68	AVG
9	2386.340	60.31	-0.90	59.41	74.00	-14.59	peak
10	2386.340	52.79	-0.90	51.89	54.00	-2.11	AVG
11	2390.000	57.42	-0.87	56.55	74.00	-17.45	peak
12	2390.000	48.64	-0.87	47.77	54.00	-6.23	AVG
13	2413.730	111.94	-0.75	111.19	--	--	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.

4.2.2 最大傳導輸出功率之量測

合格標準:

依據 NCC 低功率射頻電機技術規範(LP0002)之 3.10.1.2(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

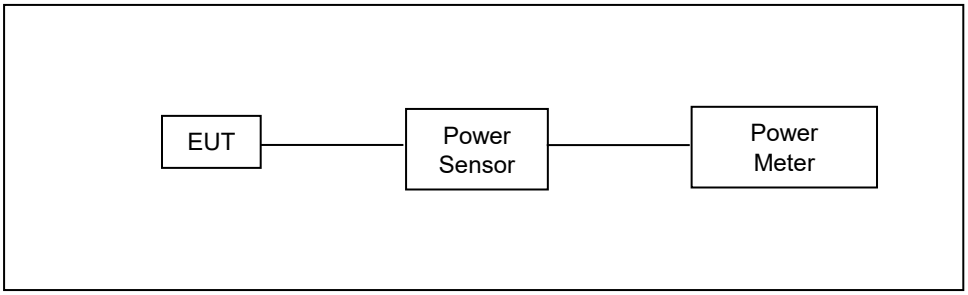
CDD mode：

Directional Gain = 10*log{[10^(G1/10)+10^(G2/10)+…+10^(Gn/10)]/NANT} = 1 dBi < 6 dBi

MIMO mode：

Directional Gain = 10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 4.01 dBi < 6 dBi

測試架構圖 ：



測試結果:

操作模式 ： Mode 2 / Mode 3 / Mode 4 / Mode 5							
操作模式	Data Rate (Mbps)	頻道 CH	最大傳導輸出功率(Average)				Limit (dBm)
			ANT-0		ANT-1		
			dBm	W	dBm	W	
Mode 2	1	01	18.45	0.070	18.00	0.063	≤ 30.00
		06	19.24	0.084	19.30	0.085	≤ 30.00
		11	18.35	0.068	18.30	0.068	≤ 30.00
Mode 3	6	01	13.32	0.021	13.45	0.022	≤ 30.00
		06	19.34	0.086	19.33	0.086	≤ 30.00
		11	13.30	0.021	13.62	0.023	≤ 30.00
Mode 4	13	01	13.51	0.022	13.56	0.023	≤ 30.00
		06	19.36	0.086	19.56	0.090	≤ 30.00
		11	13.42	0.022	13.53	0.023	≤ 30.00
Mode 5	27	03	13.42	0.022	13.36	0.022	≤ 30.00
		06	16.35	0.043	16.39	0.044	≤ 30.00
		09	13.13	0.021	13.42	0.022	≤ 30.00

操作模式 ： Mode 2 / Mode 3 / Mode 4 / Mode 5					
操作模式	Data Rate (Mbps)	頻道 CH	最大傳導輸出功率(Average)		Limit (dBm)
			ANT-0+1		
			dBm	W	
Mode 2	1	01	21.24	0.133	≤ 30.00
		06	**22.28**	**0.169**	≤ 30.00
		11	21.34	0.136	≤ 30.00
Mode 3	6	01	16.40	0.044	≤ 30.00
		06	**22.35**	**0.172**	≤ 30.00
		11	16.47	0.044	≤ 30.00
Mode 4	13	01	16.55	0.045	≤ 30.00
		06	**22.47**	**0.177**	≤ 30.00
		11	16.49	0.045	≤ 30.00
Mode 5	27	03	16.40	0.044	≤ 30.00
		06	**19.38**	**0.087**	≤ 30.00
		09	16.29	0.043	≤ 30.00

4.2.3 天線規格之要求

合格標準:

依據 NCC 低功率射頻電機技術規範(LP0002)之 3.10.1.3(3)節之要求,除 3.10.1.3(1)及 3.10.1.3(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 低功率射頻電機技術規範(LP0002)之 3.10.1.4 節之要求，天線之規格不受第 2.2 節規定之限制

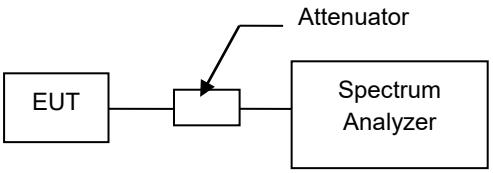
判定結果: 符合。

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 :



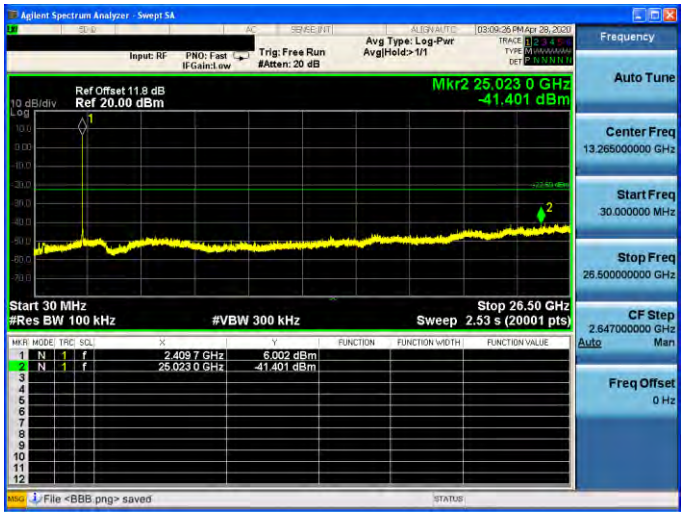
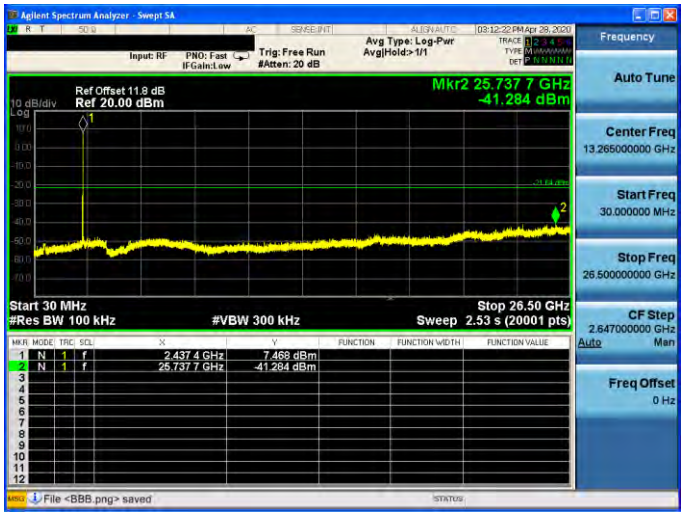
測試結果:

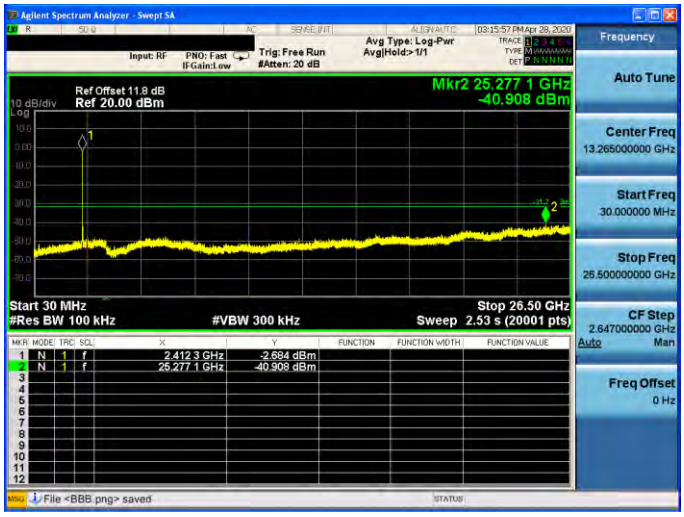
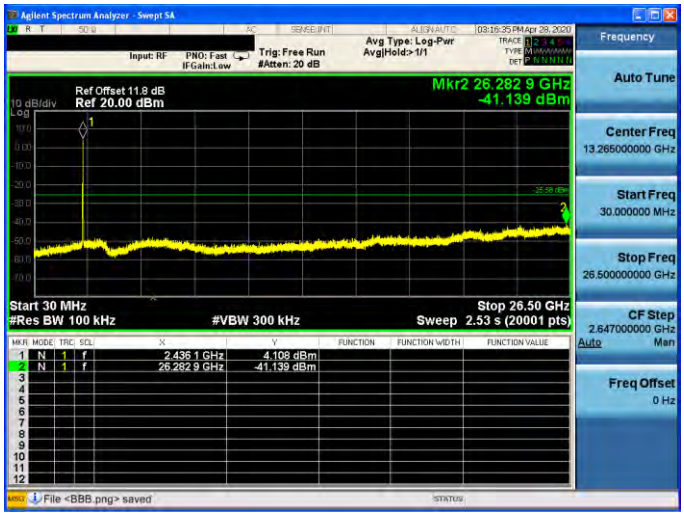
操作模式 : Mode 2 / Mode 3 / Mode 4 / Mode 5
量測之結果掃圖如下頁所示

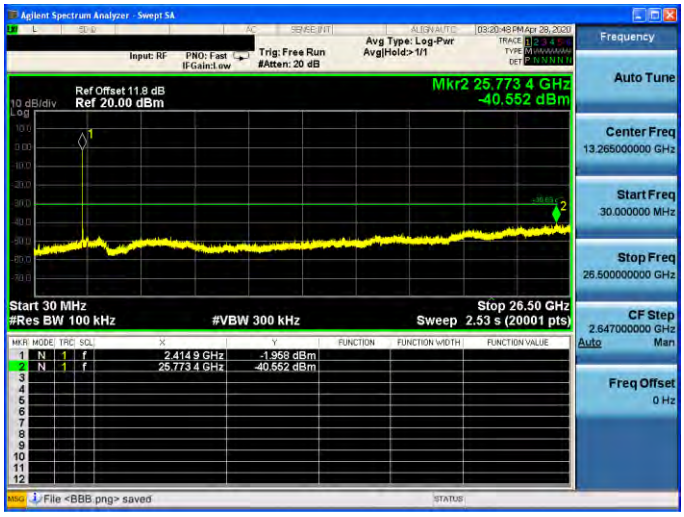
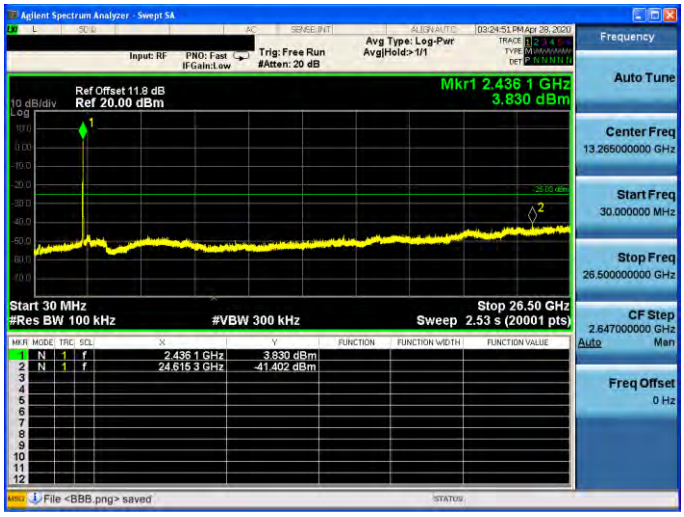
附註 1: 於使用頻帶範圍之任意 100 千赫 (kHz)內，發射器所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 千赫 (kHz)內的射頻功率，衰減 30 分貝(dB)以上，符合規定。

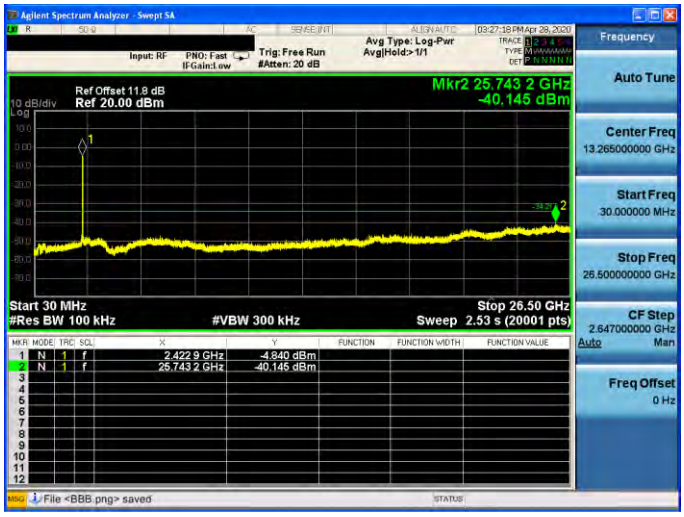
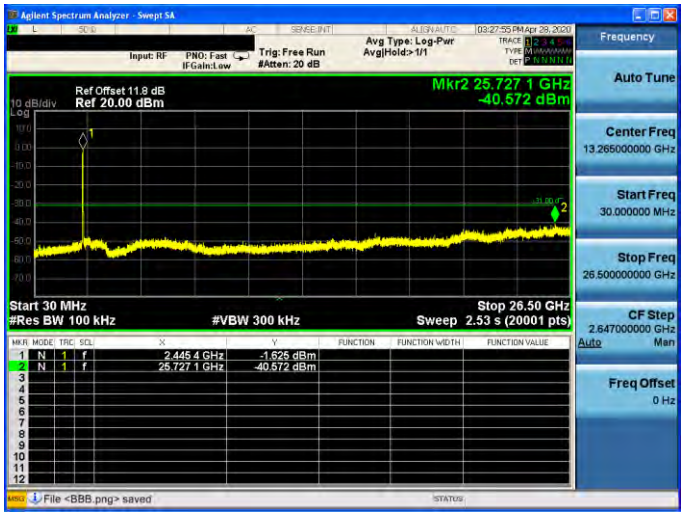
附註 2: 測試結果頻帶外之輻射雜訊皆小於主頻 TX 30 dB。

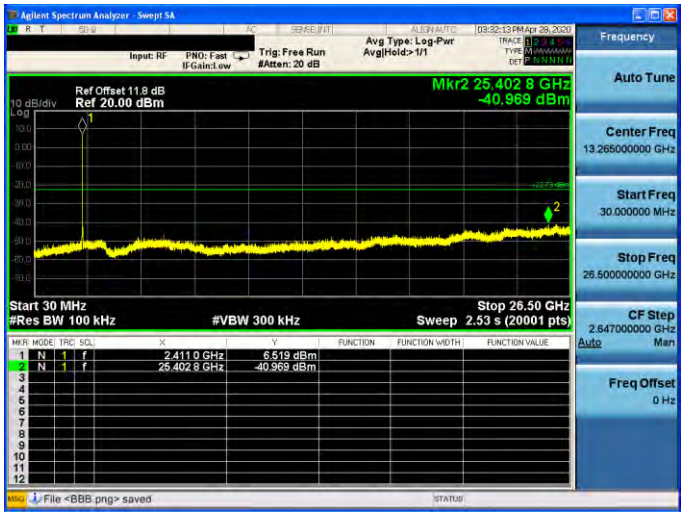
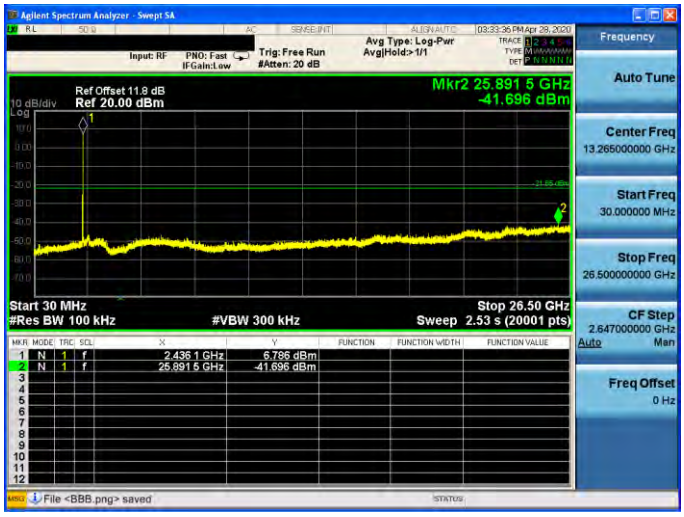
Out of Band Conducted Spurious Emission

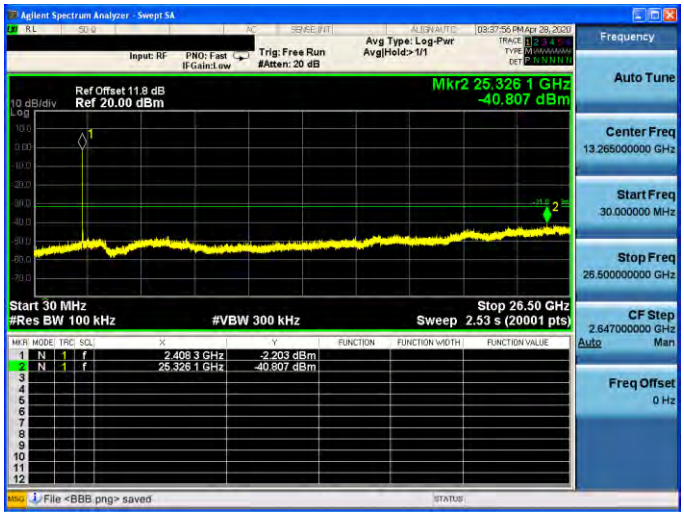
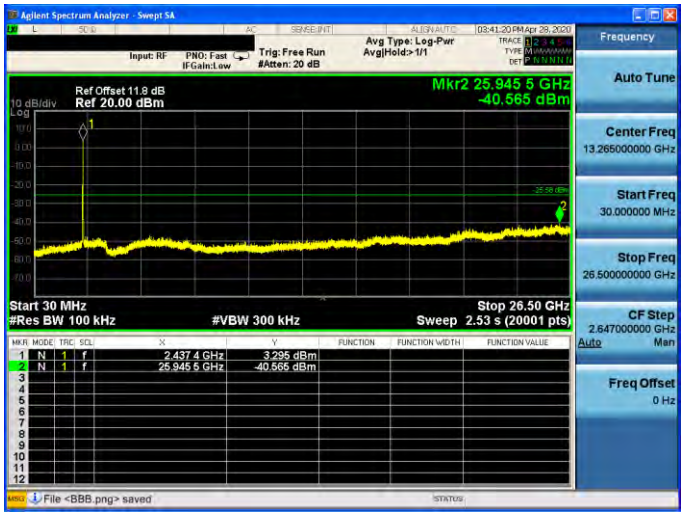
Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0	
CH01	
CH06	
CH11	

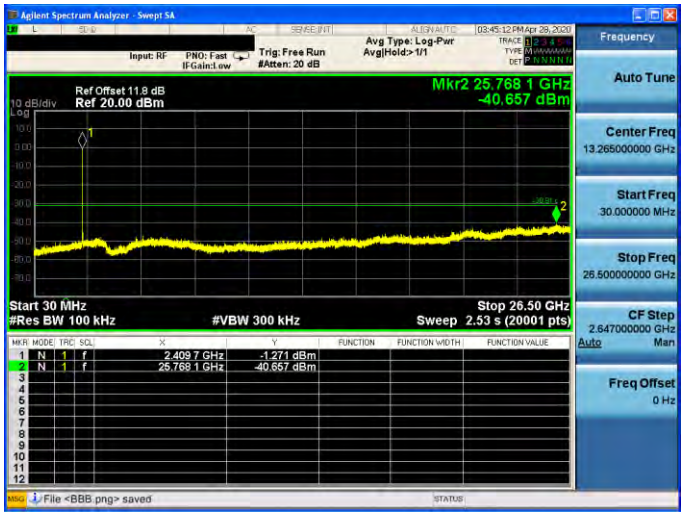
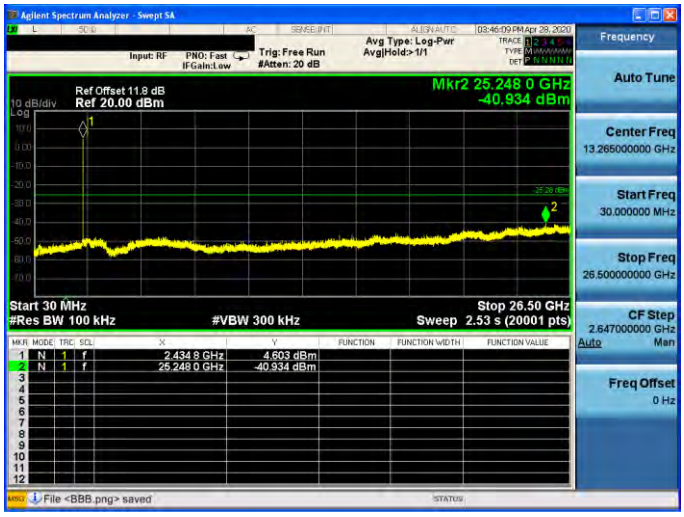
Mode 3: IEEE 802.11g Continuous TX Mode_ANT-0	
CH01	
CH06	
CH11	

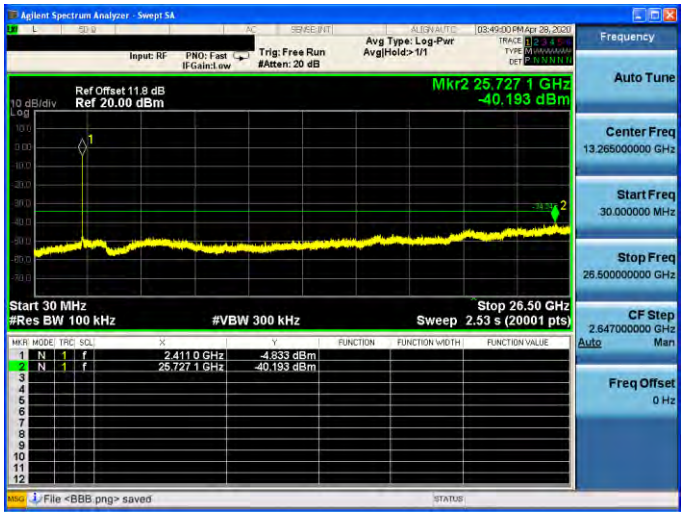
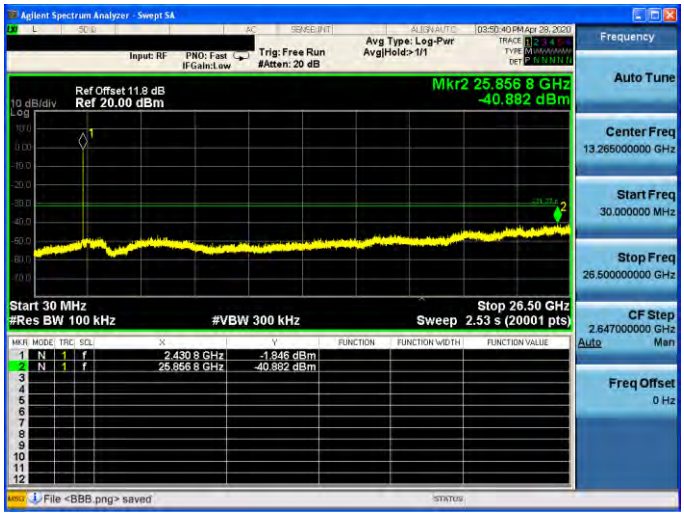
Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-0	
CH01	
CH06	
CH11	

Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-0	
CH03	
CH06	
CH09	

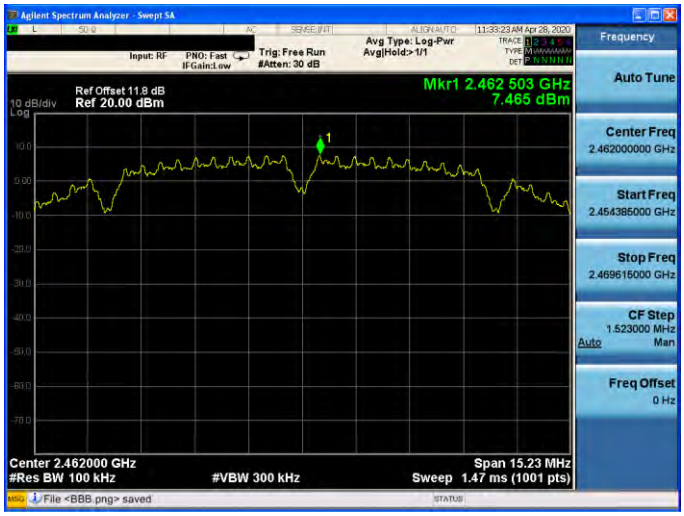
Mode 2: IEEE 802.11b Continuous TX Mode_ANT-1	
CH01	
CH06	
CH11	

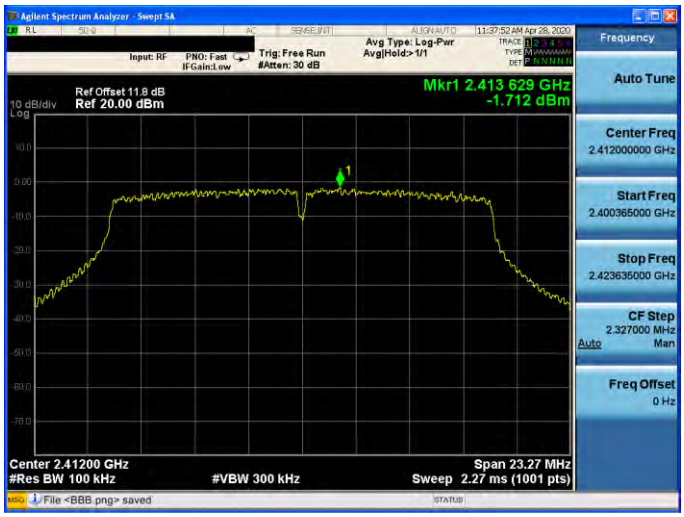
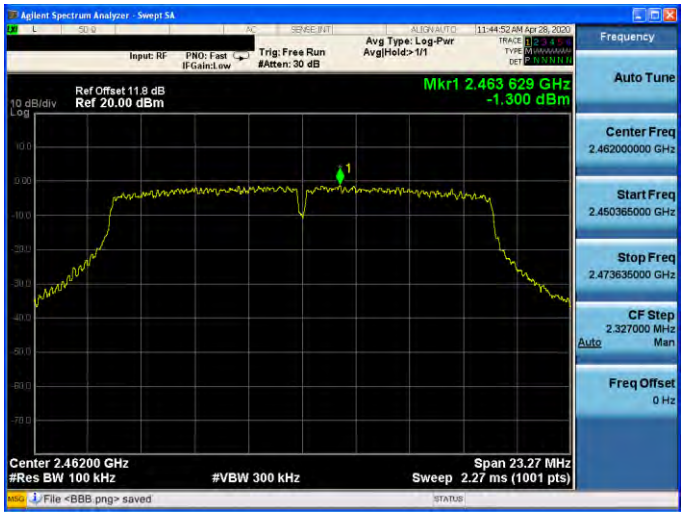
Mode 3: IEEE 802.11g Continuous TX Mode_ANT-1	
CH01	
CH06	
CH11	

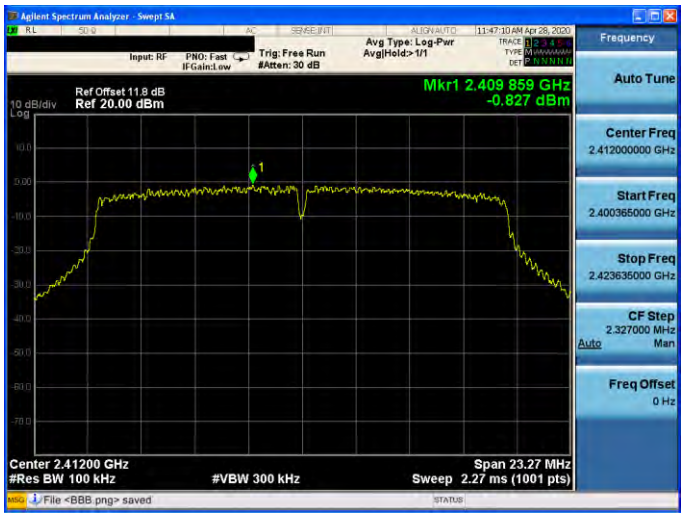
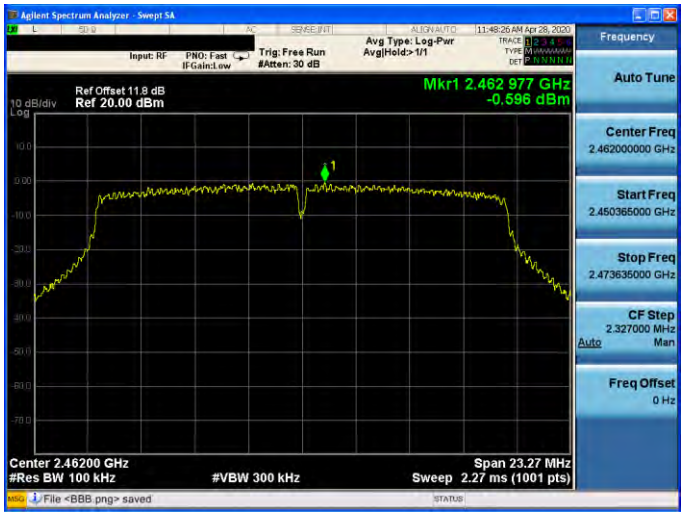
Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-1	
CH03	
CH06	
CH09	

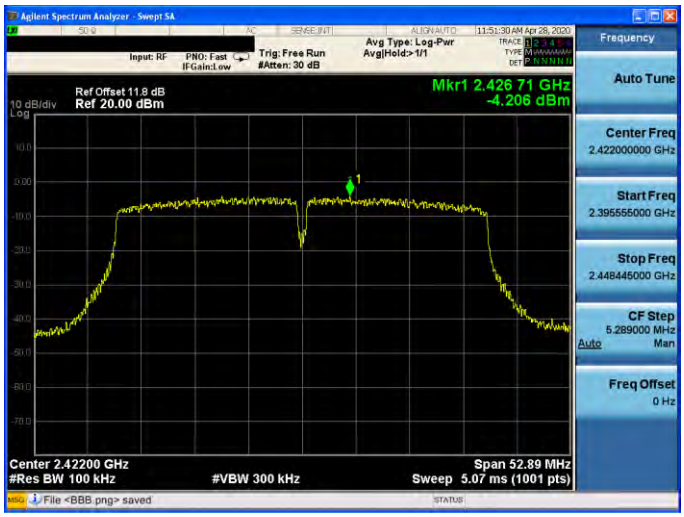
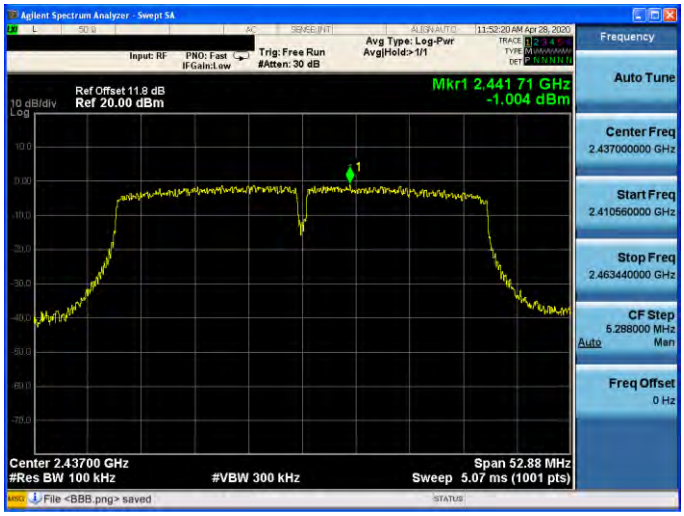
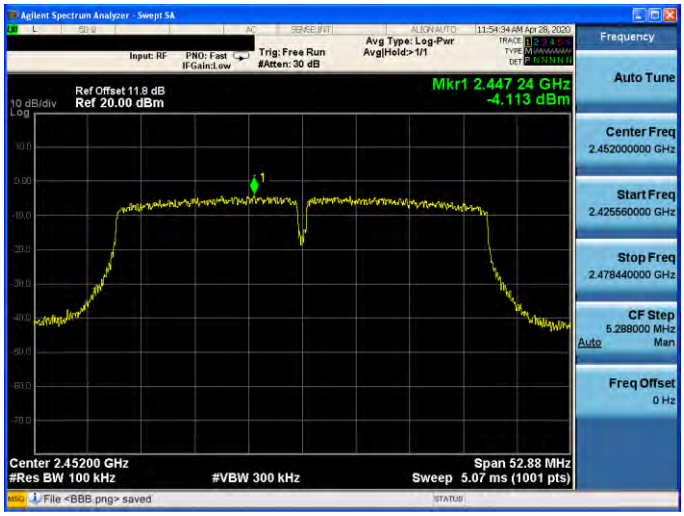
Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-1	
CH03	
CH06	
CH09	

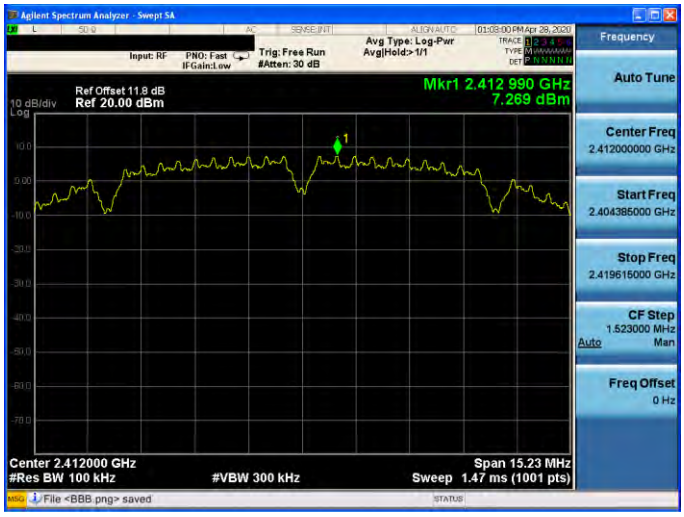
Reference level

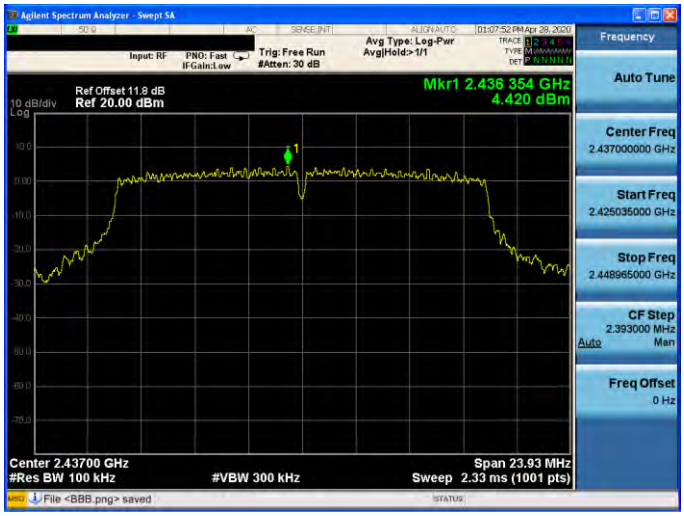
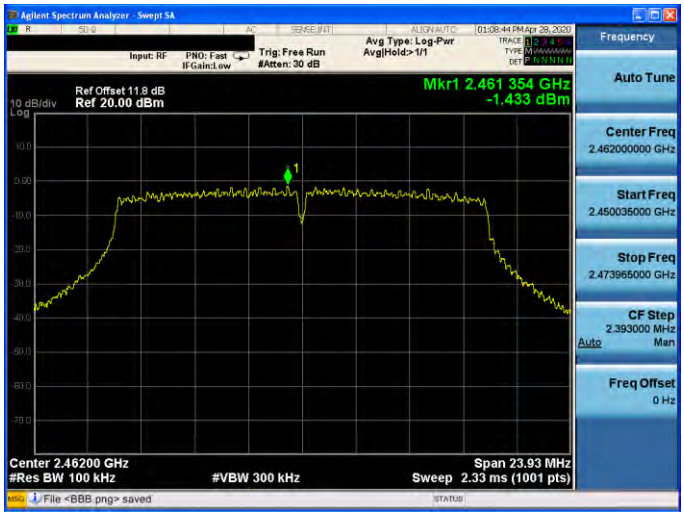
Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0	
CH01	
CH06	
CH11	

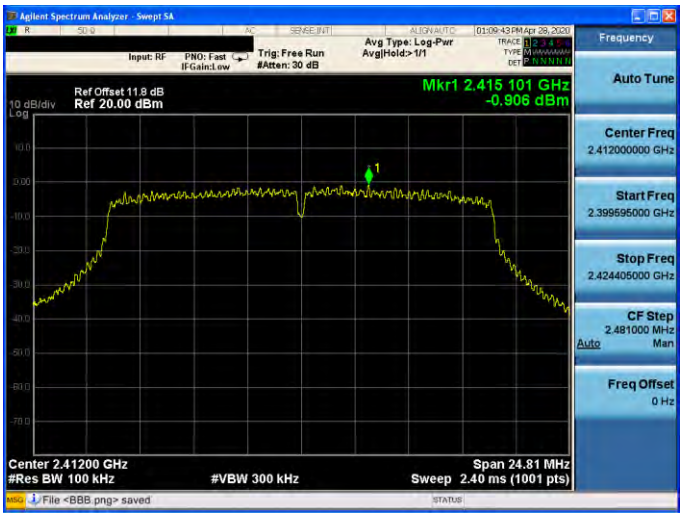
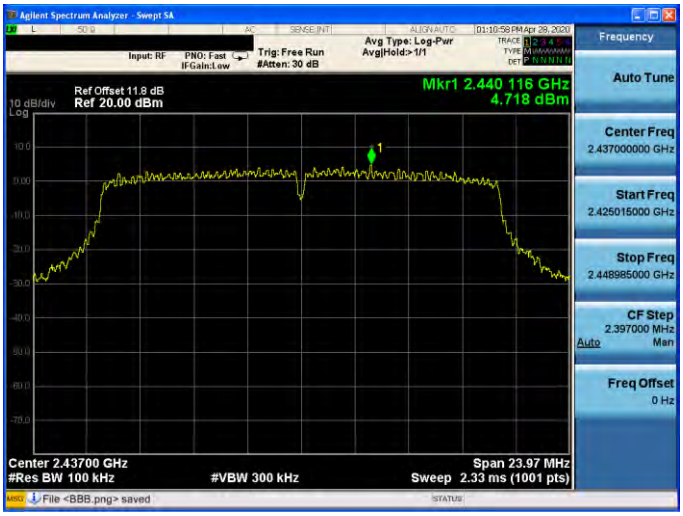
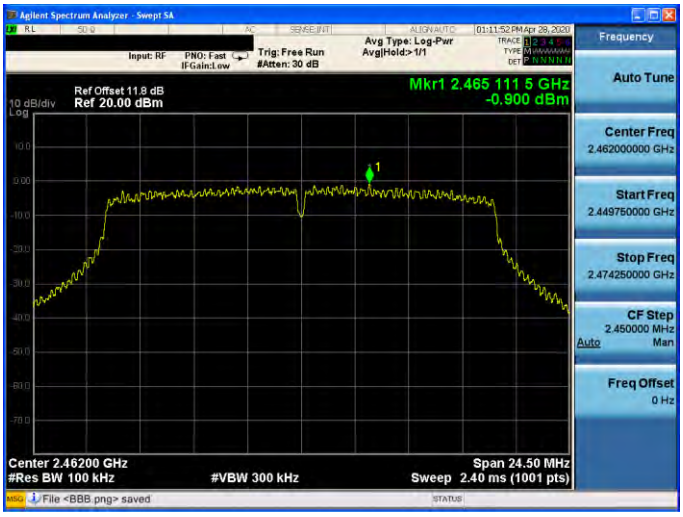
Mode 3: IEEE 802.11g Continuous TX Mode_ANT-0	
CH01	
CH06	
CH11	

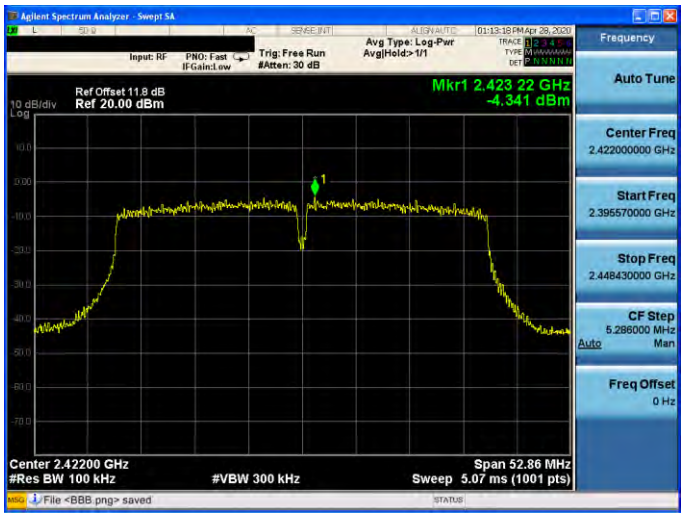
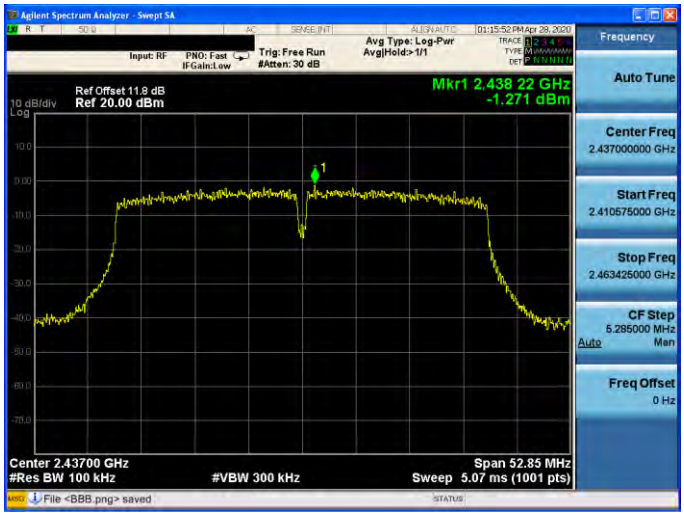
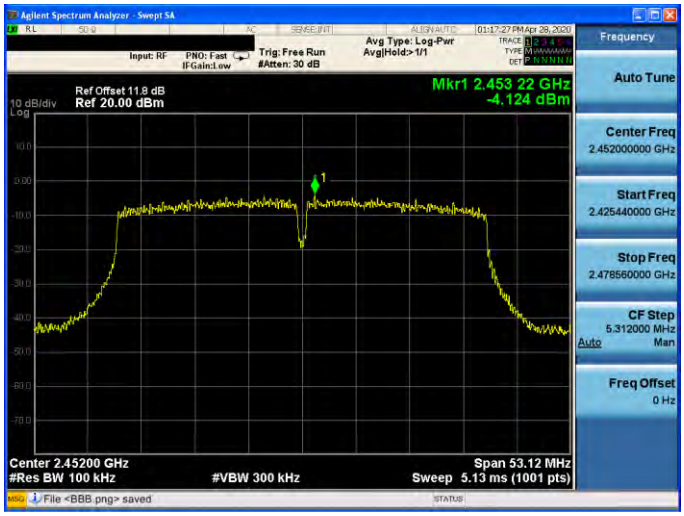
Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-0	
CH01	
CH06	
CH11	

Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-0	
CH03	
CH06	
CH09	

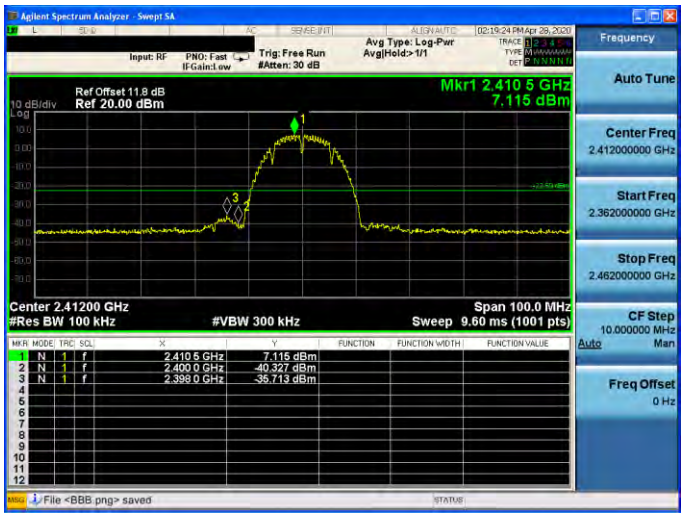
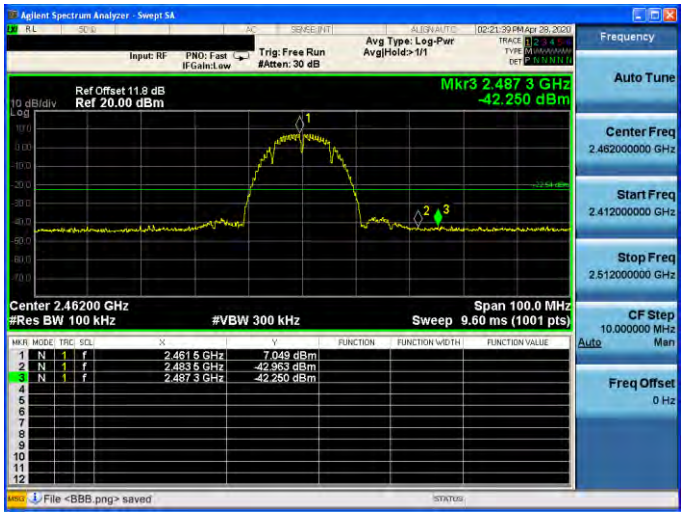
Mode 2: IEEE 802.11b Continuous TX Mode_ANT-1	
CH01	
CH06	
CH11	

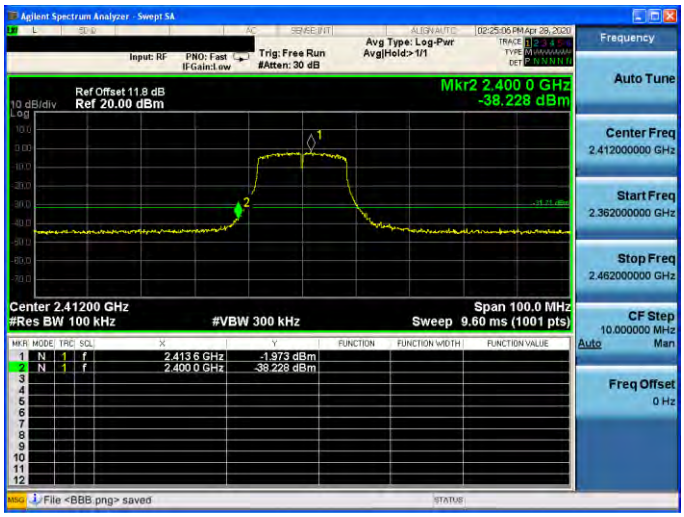
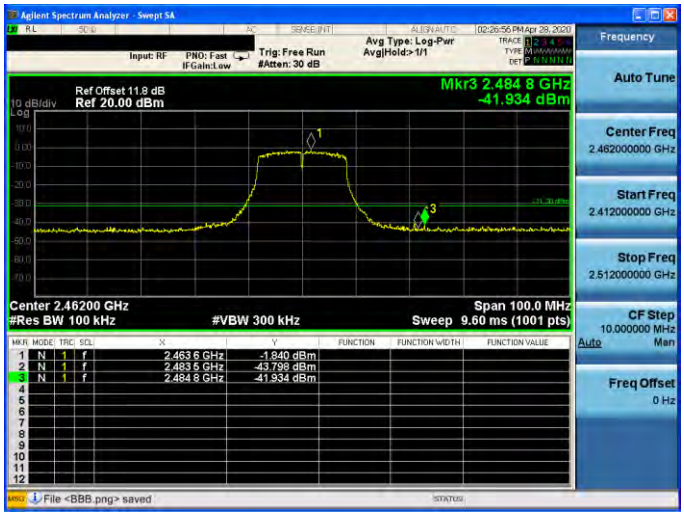
Mode 3: IEEE 802.11g Continuous TX Mode_ANT-1	
CH01	
CH06	
CH11	

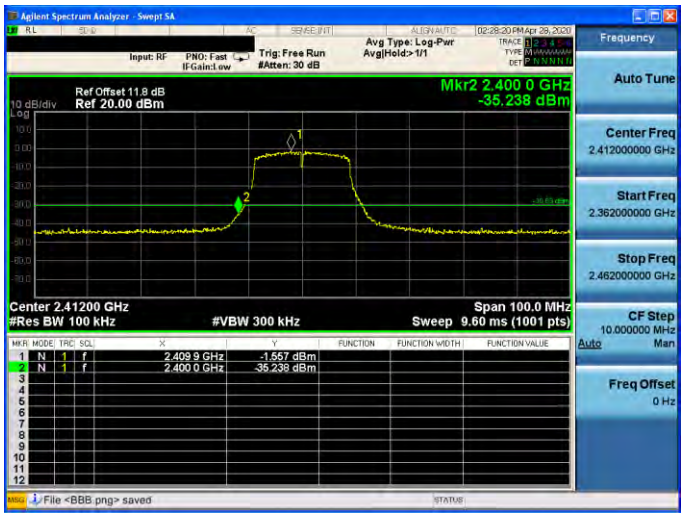
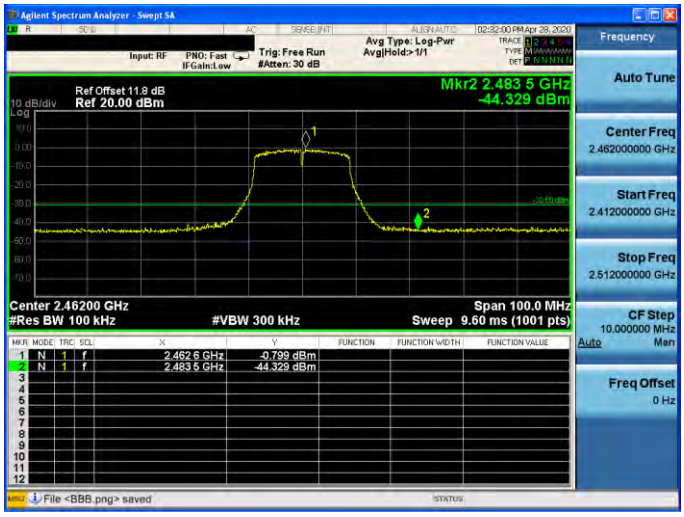
Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-1	
CH01	
CH06	
CH11	

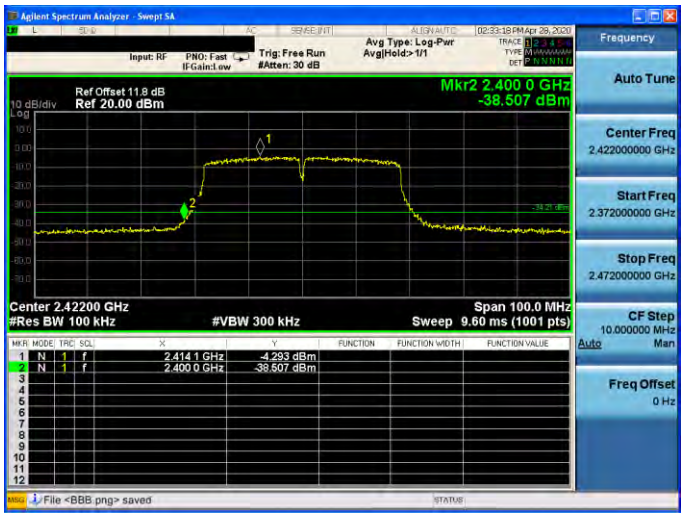
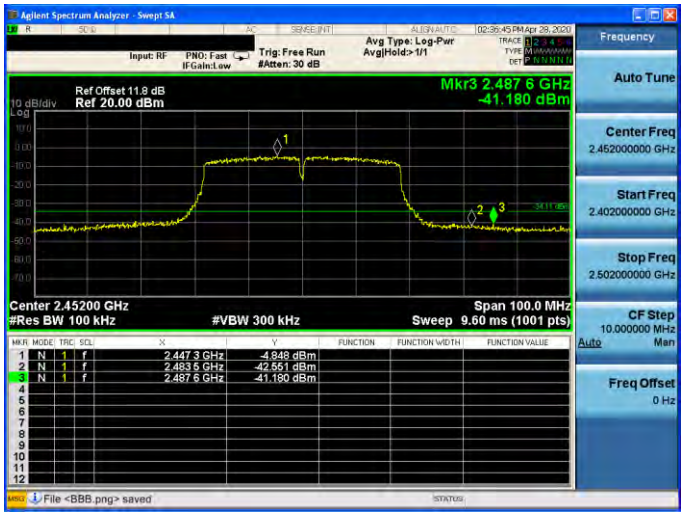
Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-1	
CH03	
CH06	
CH09	

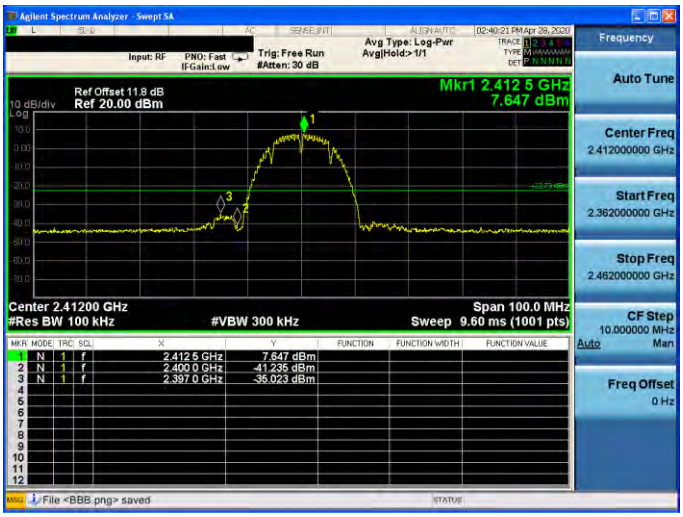
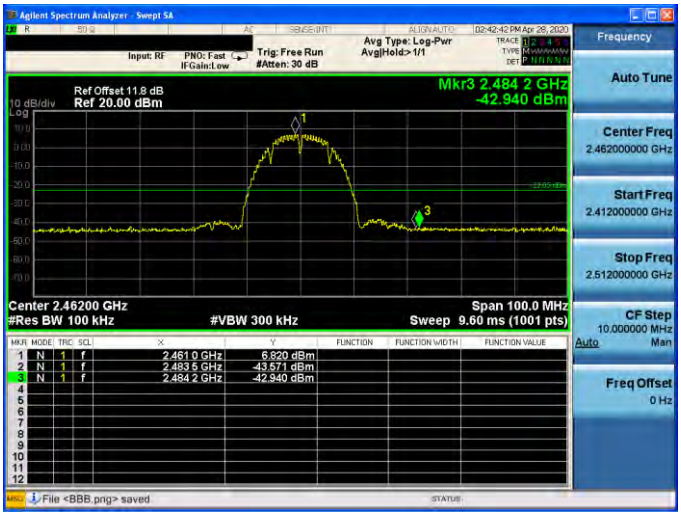
Conducted Band Edge

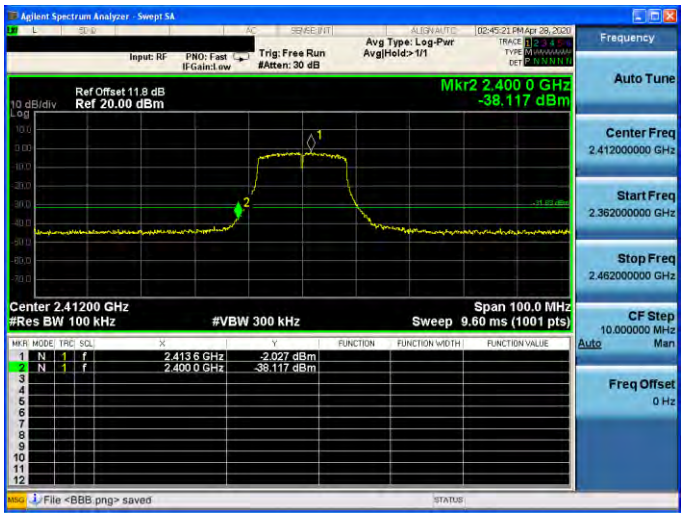
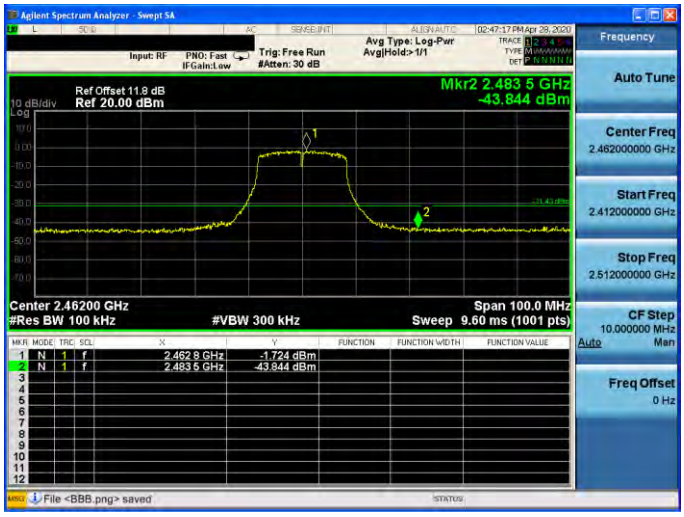
Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0	
CH01	
CH11	

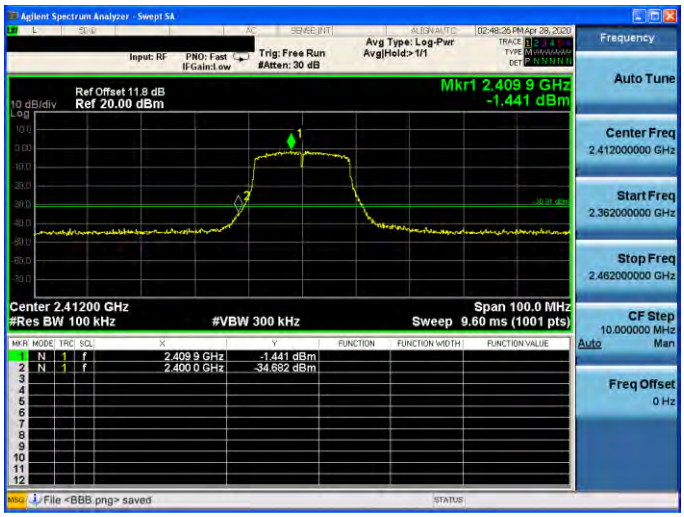
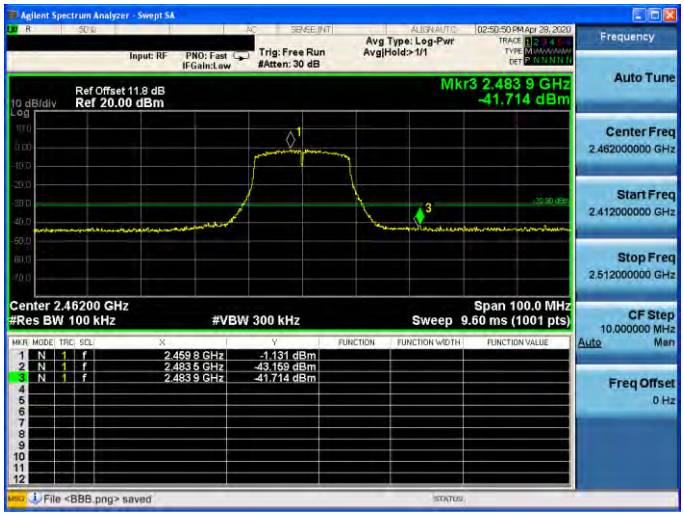
Mode 3: IEEE 802.11g Continuous TX Mode_ANT-0	
CH01	
CH11	

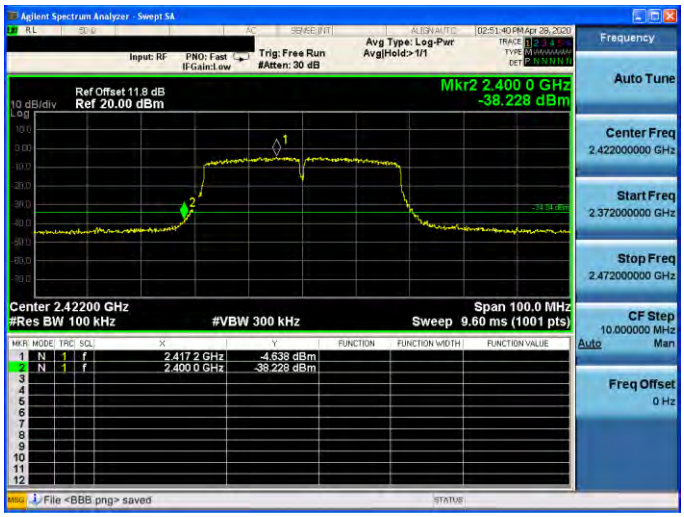
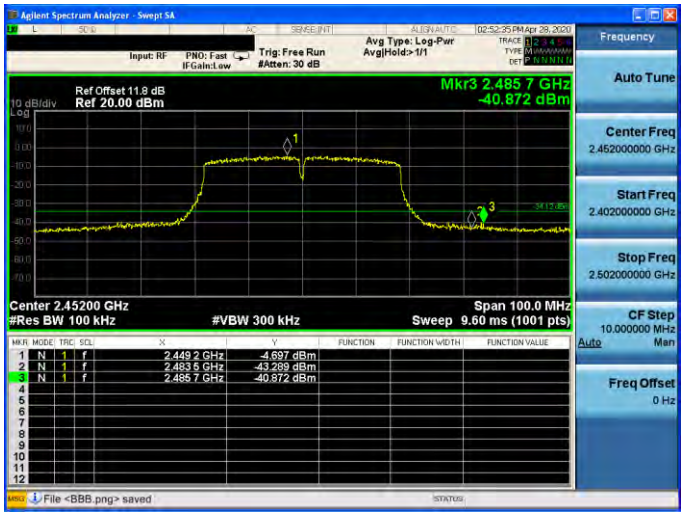
Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-0	
CH01	
CH11	

Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-0	
CH03	
CH09	

Mode 2: IEEE 802.11b Continuous TX Mode_ANT-1	
CH01	
CH11	

Mode 3: IEEE 802.11g Continuous TX Mode_ANT-1	
CH01	
CH11	

Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-1	
CH01	
CH11	

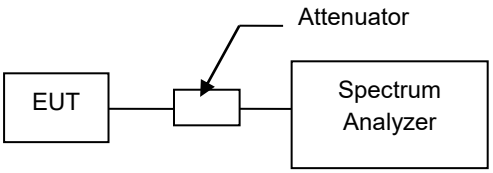
Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-1	
CH03	
CH09	

4.2.5 6 dB頻寬之要求

合格標準:

依據 NCC 低功率射頻電機技術規範 3.10.1.6(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 :

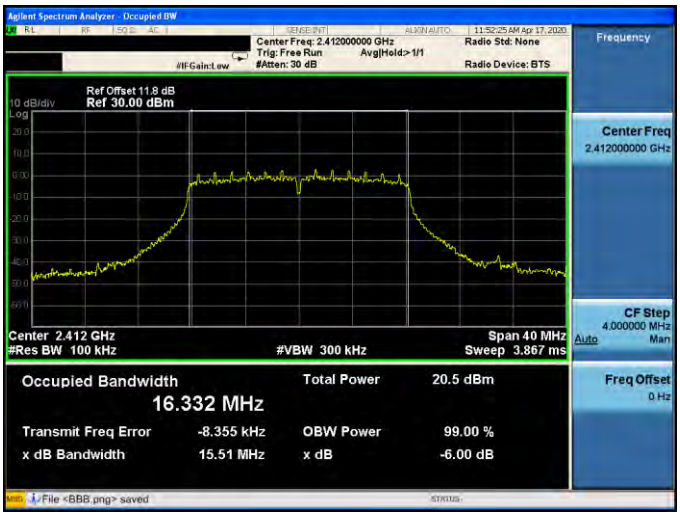


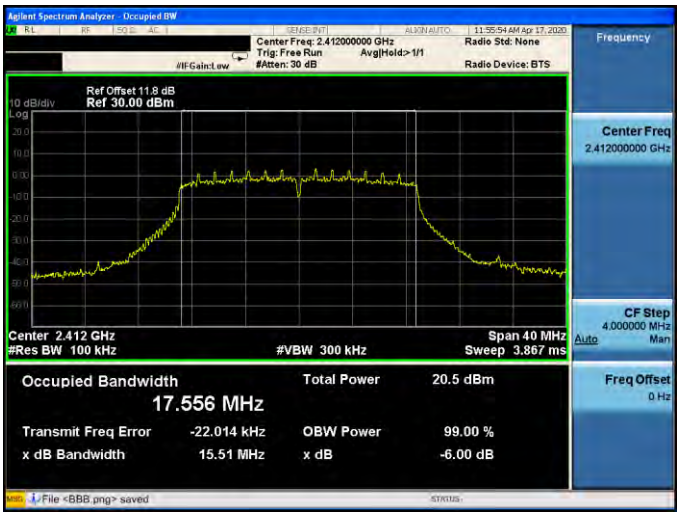
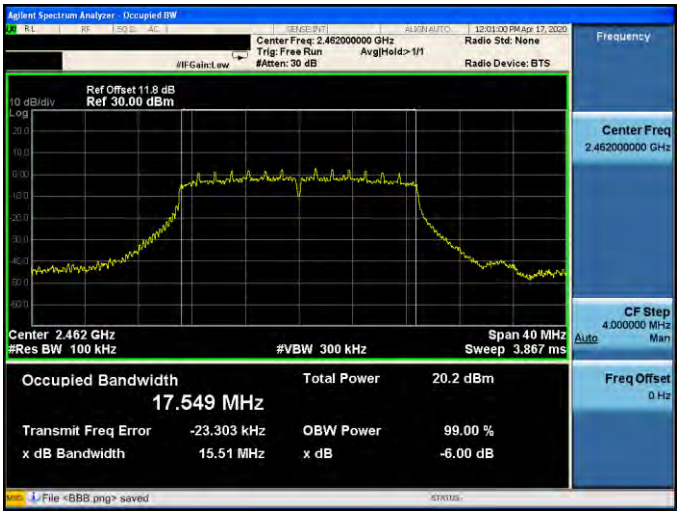
測試結果:

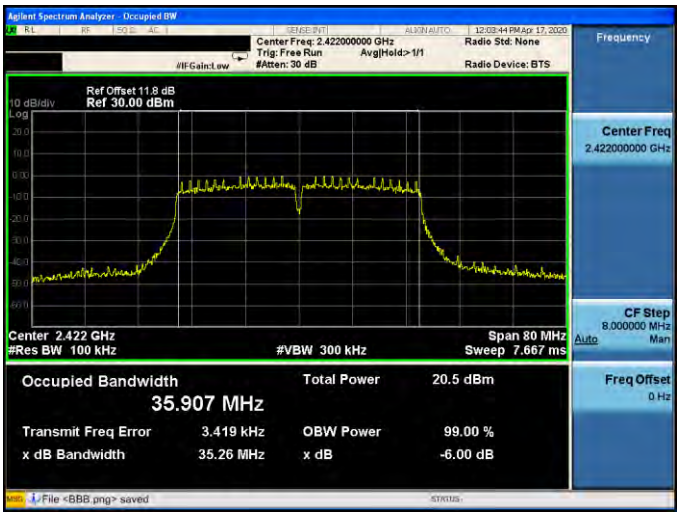
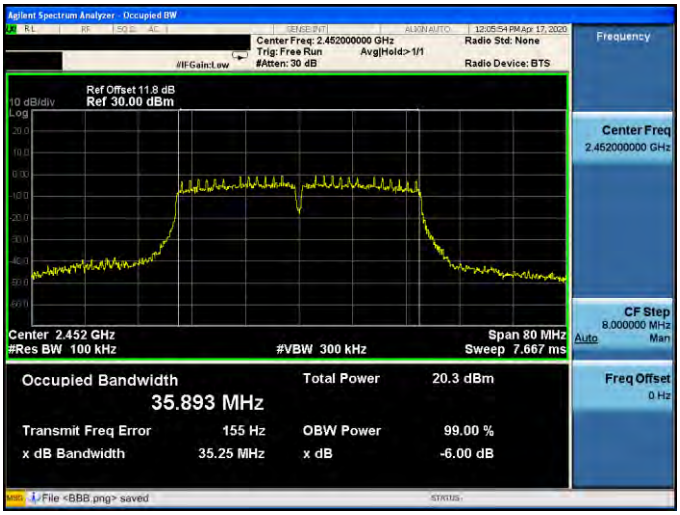
操作模式 : Mode 2 / Mode 3 / Mode 4 / Mode 5			
操作模式	頻道	量測值 (kHz)	限制值 (kHz)
		ANT-0	
Mode 2	CH01	10170	≥ 500
	CH06	10150	≥ 500
	CH11	10150	≥ 500
Mode 3	CH01	15510	≥ 500
	CH06	15360	≥ 500
	CH11	15510	≥ 500
Mode 4	CH01	15510	≥ 500
	CH06	15510	≥ 500
	CH11	15510	≥ 500
Mode 5	CH03	35260	≥ 500
	CH06	35250	≥ 500
	CH09	35250	≥ 500

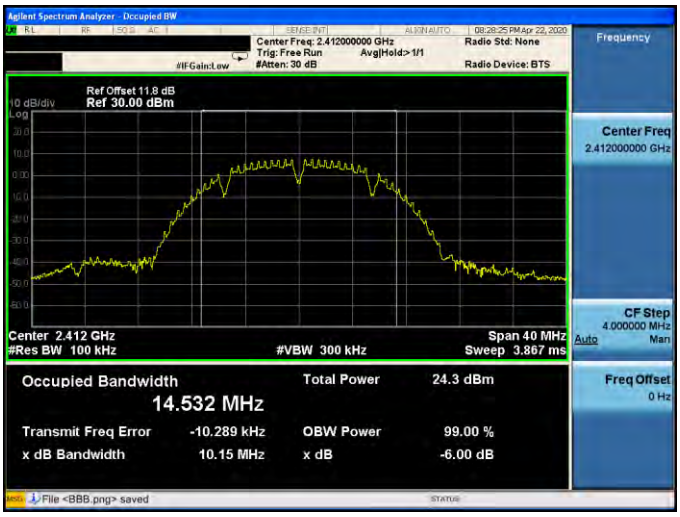
操作模式 ： Mode 2 / Mode 3 / Mode 4 / Mode 5			
操作模式	頻道	量測值 (kHz)	限制值 (kHz)
		ANT-1	
Mode 2	CH01	10150	≥ 500
	CH06	10150	≥ 500
	CH11	10150	≥ 500
Mode 3	CH01	15950	≥ 500
	CH06	15950	≥ 500
	CH11	15950	≥ 500
Mode 4	CH01	16540	≥ 500
	CH06	15980	≥ 500
	CH11	16330	≥ 500
Mode 5	CH03	35240	≥ 500
	CH06	35230	≥ 500
	CH09	35410	≥ 500

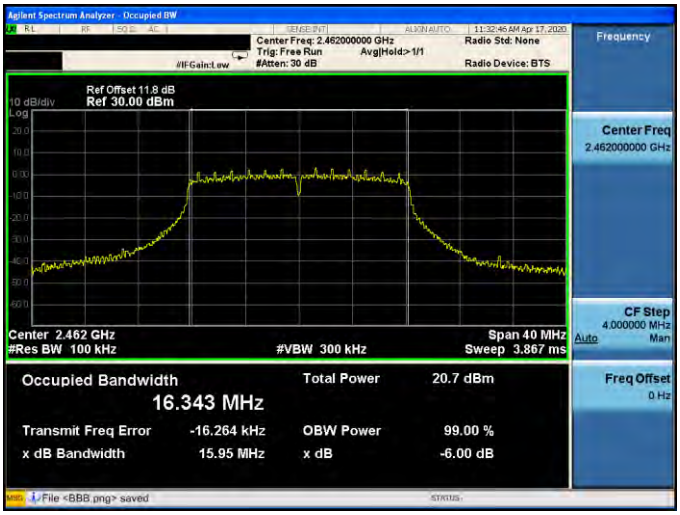
Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0	
CH01	
CH06	
CH11	

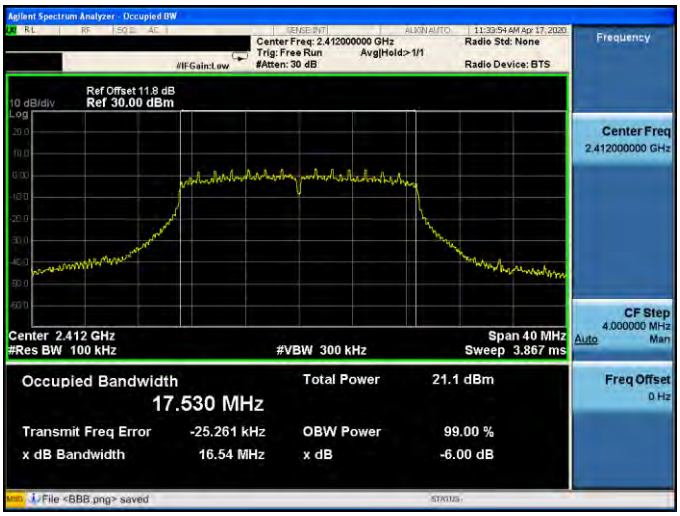
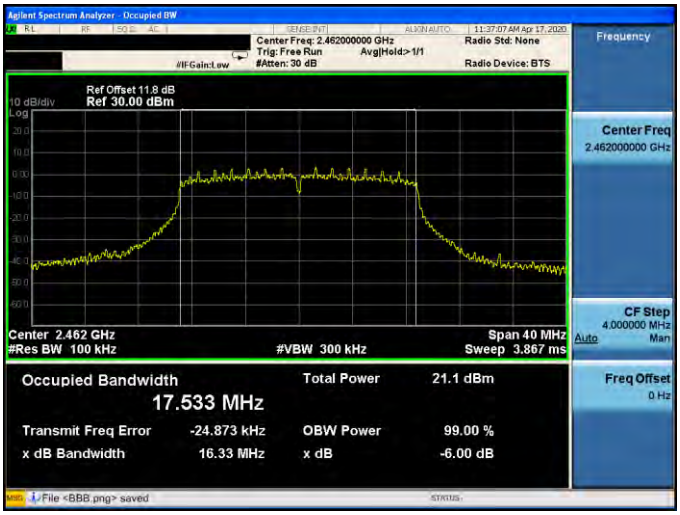
Mode 3: IEEE 802.11g Continuous TX Mode_ANT-0	
CH01	
CH06	
CH11	

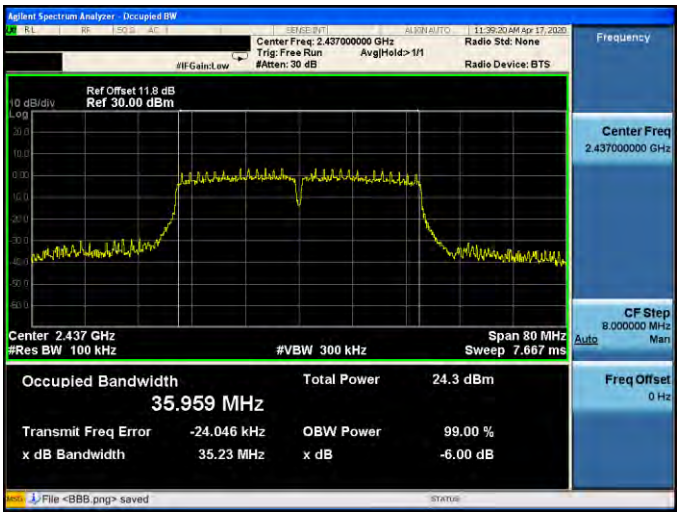
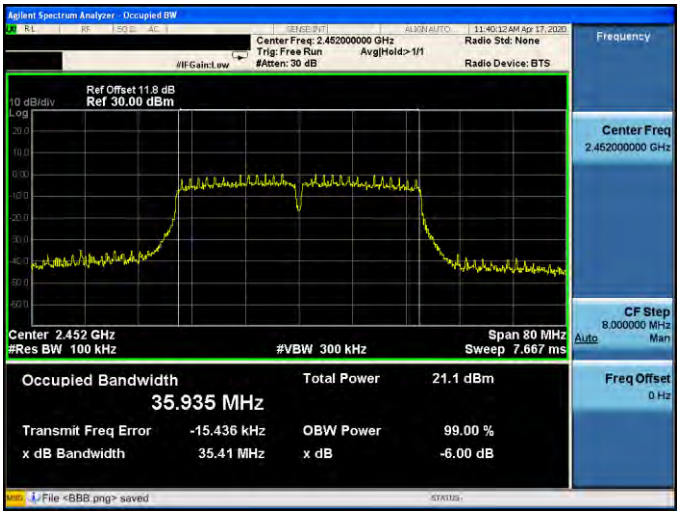
Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-0	
CH01	
CH06	
CH11	

Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-0	
CH03	
CH06	
CH09	

Mode 2: IEEE 802.11b Continuous TX Mode_ANT-1	
CH01	
CH06	
CH11	

Mode 3: IEEE 802.11g Continuous TX Mode_ANT-1	
CH01	
CH06	
CH11	

Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-1	
CH01	
CH06	
CH11	

Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-1	
CH03	
CH06	
CH09	

4.2.6 峰值發射電功率密度之要求

合格標準:

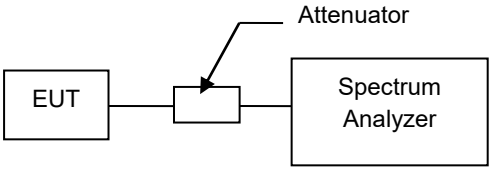
依據 NCC 低功率射頻電機技術規範(LP0002)之 3.10.1.6(2)(B)節之要求，數位調變技術(Digital Modulation Techniques)系統之功率密度,再使用頻率範圍之任意 3kHz 頻寬內,由發射機傳導至天線之峰值發射電功率密度在任意期間內,皆不得大於 8 dBm(複合系統時, 關閉跳頻作業狀態檢驗)。

CDD / MIMO mode:

Directional Gain = 10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 4.01 dBi < 6 dBi

測試架構圖 ：

測試場地測試配置如圖所示。

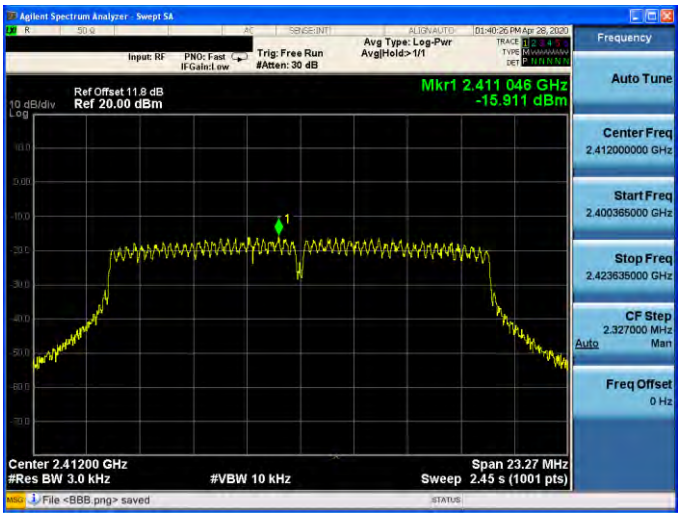
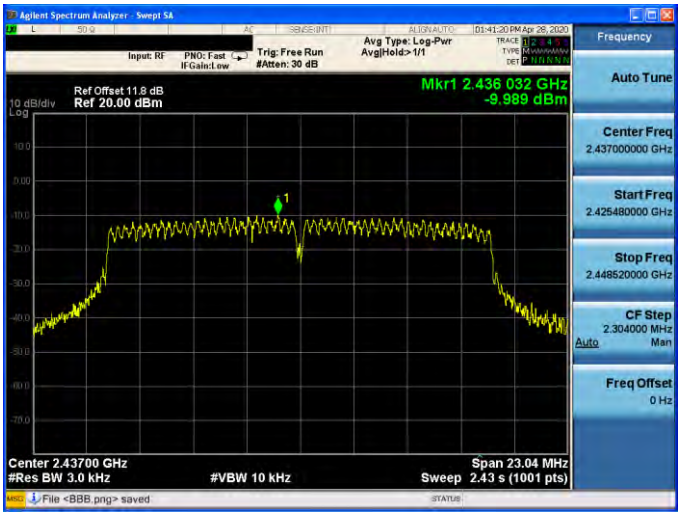
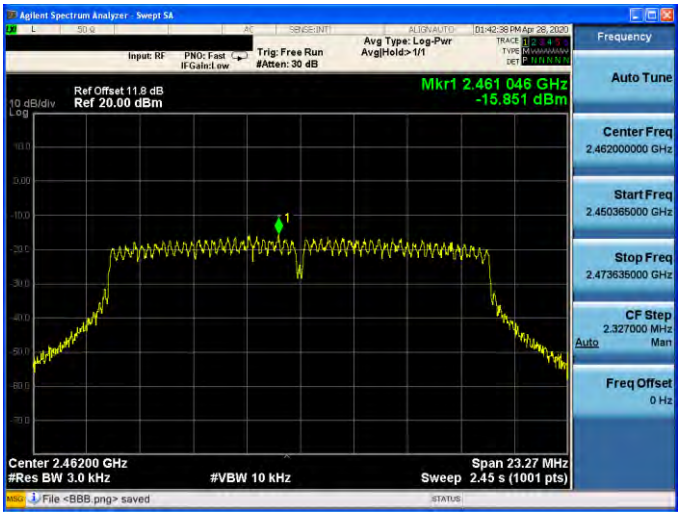


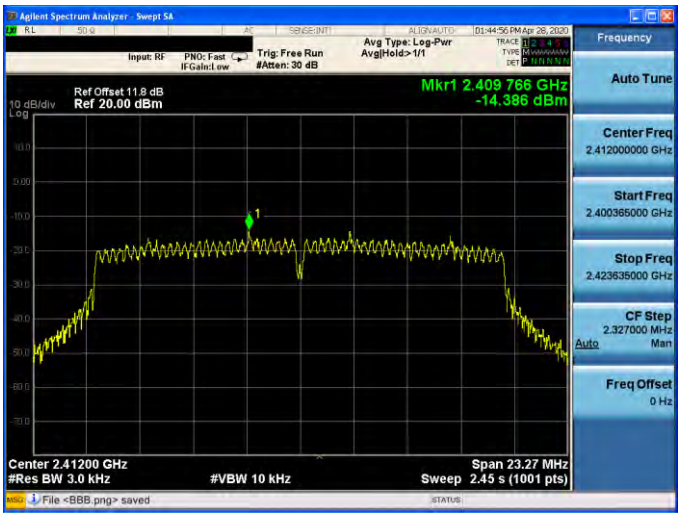
測試結果:

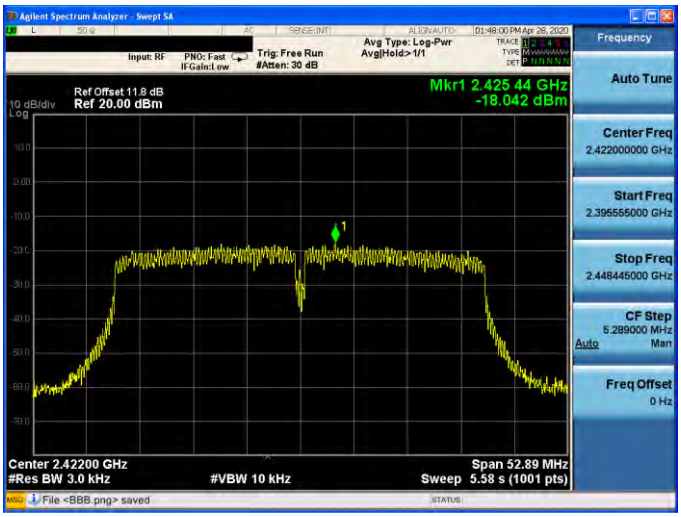
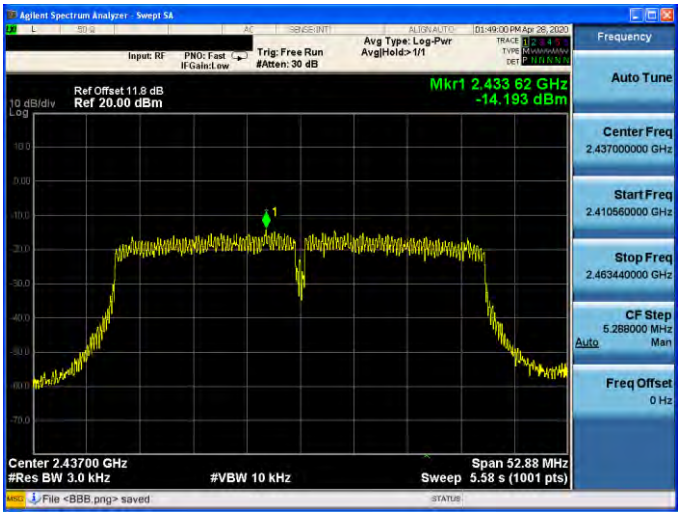
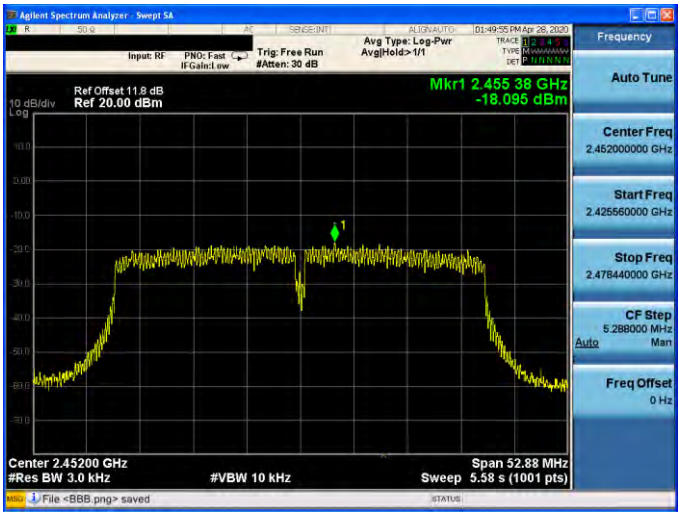
操作模式 : Mode 2 / Mode 3 / Mode 4 / Mode 5				
操作模式	頻道	量測值 (dBm)		限制值 (dBm/3 kHz)
		ANT-0	ANT-1	
Mode 2	CH01	-12.865	-13.189	≤ 8.00
	CH06	-12.028	-12.177	≤ 8.00
	CH11	-13.081	-13.491	≤ 8.00
Mode 3	CH01	-15.911	-16.286	≤ 8.00
	CH06	-9.989	-10.064	≤ 8.00
	CH11	-15.851	-16.291	≤ 8.00
Mode 4	CH01	-14.386	-14.441	≤ 8.00
	CH06	-8.544	-8.953	≤ 8.00
	CH11	-14.212	-14.800	≤ 8.00
Mode 5	CH03	-18.042	-18.636	≤ 8.00
	CH06	-14.193	-14.561	≤ 8.00
	CH09	-18.095	-18.315	≤ 8.00

操作模式 : Mode 2 / Mode 3 / Mode 4 / Mode 5			
操作模式	頻道	量測值 (dBm)	限制值 (dBm/3 kHz)
		ANT-0+1	
Mode 2	CH01	-10.014	≤ 8.00
	CH06	-9.092	≤ 8.00
	CH11	-10.271	≤ 8.00
Mode 3	CH01	-13.084	≤ 8.00
	CH06	-7.016	≤ 8.00
	CH11	-13.055	≤ 8.00
Mode 4	CH01	-11.403	≤ 8.00
	CH06	-5.733	≤ 8.00
	CH11	-11.486	≤ 8.00
Mode 5	CH03	-15.319	≤ 8.00
	CH06	-11.363	≤ 8.00
	CH09	-15.193	≤ 8.00

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

Mode 3: IEEE 802.11g Continuous TX Mode_ANT-0	
CH01	
CH06	
CH11	

Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-0	
CH01	
CH06	
CH11	

Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-0	
CH03	
CH06	
CH09