



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 2008DR16

版本(Rev.) 01

產品名稱 HUAWEI MateBook X Pro

申請廠商 訊嵐技術有限公司

廠 牌 HUAWEI

型式 (號) MACHC-WAE9LP

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 08 月 18 日

填發本型式認可報告之試驗機構 (認可代號)

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財團法人全國認證基金會
認證編號 : 1330
認證有效期間 : 108.09.06 ~ 111.09.05
認可能量範圍 : 低功率射頻電機技術規範(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 08 月 13 日	初版發行	趙翊如
01	109 年 08 月 18 日	第 5 頁更新附屬裝置表。 第 9 頁更新輔助測試之週邊設備描述。	江玉

低功率射頻電機測試證明書

產品名稱：HUAWEI MateBook X Pro

廠牌：HUAWEI

型號：MACHC-WAE9LP

申請廠商：訊巖技術有限公司

申請者地址：臺北市內湖區洲子街55、57號3樓

製造廠商：Huawei Device Co., Ltd.

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

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)

樣品接受日期：109 年 07 月 23 日

試驗日期：109 年 07 月 27 日 ~ 109 年 07 月 31 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：

楊凱宇

(楊 凱 宇)

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1. 一般敘述

1.1 待測設備一般敘述

本敘述僅針對產品簡單說明之，其他詳細之規格請參考使用說明書。

產 品 名 稱	HUAWEI MateBook X Pro
廠 牌	HUAWEI
型 號	MACHC-WAE9LP
額 定 電 源	Input: DC 20 V, 3.25 A, Output: PD DC 5 V, 2 A
調 變 方 式	GFSK, $\pi/4$ -DQPSK, 8DPSK
頻 率 使 用 範 圍	2402 MHz – 2480 MHz
天 線 廠 牌	惠州碩貝德無線科技股份有限公司
天 線 型 號	HQ20604252000
天 線 型 態	IFA Antenna
天 線 增 益 值	0.5 dBi
RF 最大輸出功率	BR, GFSK: 9.45 dBm/ 0.00881 W EDR, $\pi/4$ -DQPSK: 7.30 dBm/ 0.00537 W EDR, 8DPSK: 7.44 dBm/ 0.00555 W LE, GFSK: 7.90 dBm/ 0.00617 W 2LE, GFSK: 7.91 dBm/ 0.00618 W

輸出/輸入埠說明：

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

待測設備外圍說明：

電 源 線 類 別	本產品透過 USB Cable 供電
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(1)	HUAWEI	HB4593R1ECW-22	7.64 VDC, 7330 mAh 製造商(1)：Shenzhen Sunwoda Intelligence Technology Co., Ltd.
內建固定式電池(2)	HUAWEI	HB4593R1ECW-22	7.64 VDC, 7330 mAh 製造商(2)：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: XXXXXXXX

2. 量測儀器及測試配置說明

2.1 量測設備

For Conducted

Test Period: Jul. 31, 2020

測試者: 呂迪曄

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	Agilent	N1921A	MY45241957	12/11/2019	1 year
Power Meter	Agilent	N1911A	MY45101619	12/11/2019	1 year

For Conducted Emission

Test Period: Jul. 31, 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
測試接收機 (9 kHz~3 GHz)	R&S	ESCI	100367	05/25/2020	1 year
線性阻抗模擬網路	R&S	ENV216	101040	03/23/2020	1 year
線性阻抗模擬網路	R&S	ENV216	101041	04/06/2020	1 year

For Radiated Emissions

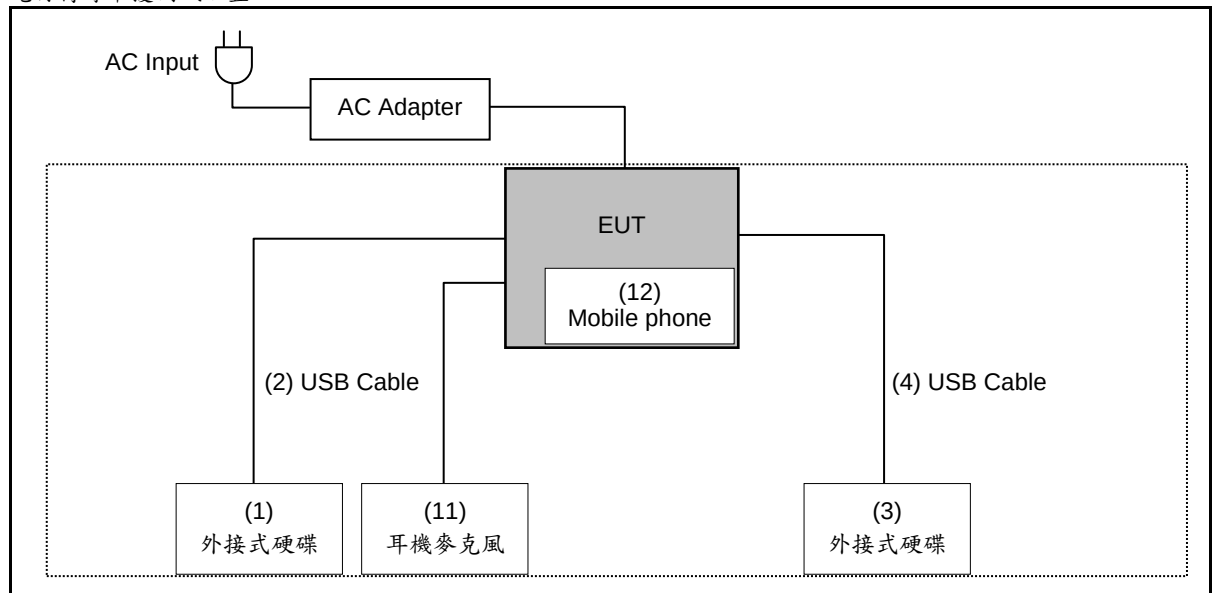
Test Period: Jul. 27, 2020

測試者: 葉佳原

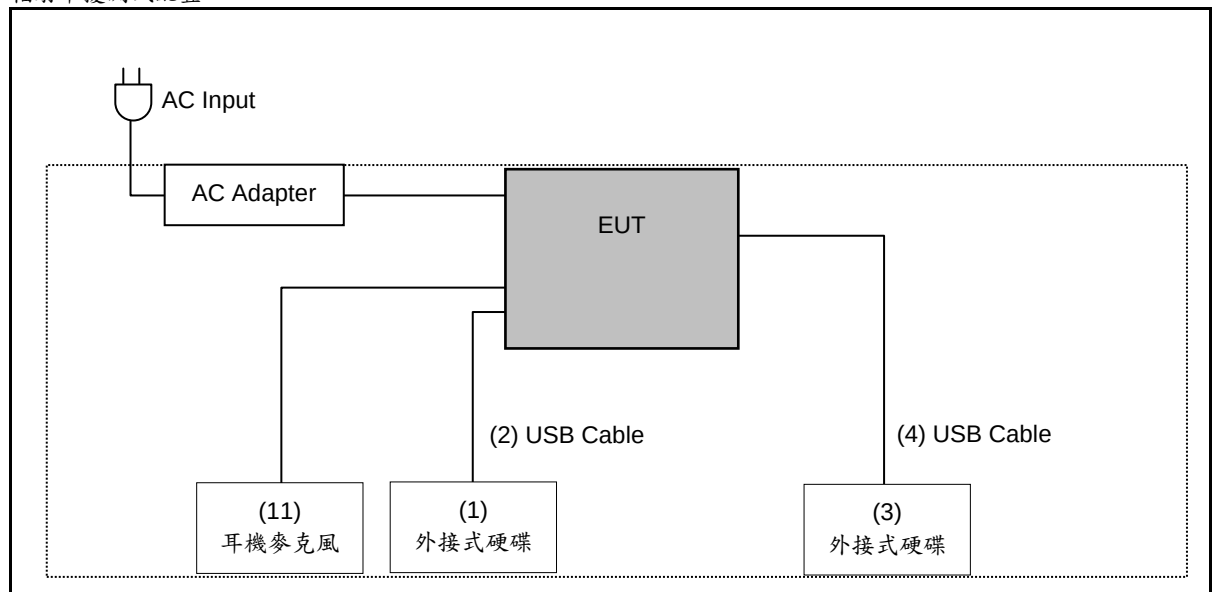
名 稱	廠 牌	型 號	序 號	本次校驗日期	校驗年限
Spectrum Analyzer	Keysight	N9010A	MY52221312	01/13/2020	1 year
Pre Amplifier (1~26.5 GHz)	EMCI	EMC012645SE	980289	01/15/2020	1 year
Amplifier	Agilent	8447D	2944A11119	01/15/2020	1 year
天線	SCHWARZBECK MESS-ELEKTRONIK	VULB 9168	416	10/23/2019	1 year
天線(1~18 GHz)	SCHWARZBECK 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



```

graph TD
    AC1[AC Input] --- ACAdapter1[AC Adapter]
    ACAdapter1 --- EUT[EUT]
    EUT --- MP["(10) Mobile phone"]
    EUT --- USB["(2) USB Cable"]
    USB --- HPM["(11) 耳機麥克風"]
    EUT --- DC["(5) Display Cable"]
    DC --- LCD["(6) 液晶螢幕"]
    AC2[AC Input] --- ACAdapter2["(7) AC Adapter"]
    ACAdapter2 --- LCD
  
```

The diagram illustrates the EUT (External Under Test) setup. A central grey box labeled "EUT" is connected to various components. On the left, an "AC Adapter (10)" is connected to an "AC Input" and a "LCD Monitor (9)". The "LCD Monitor (9)" is connected to the "EUT" via a "Display Cable (8)". On the right, an "AC Adapter (7)" is connected to an "AC Input" and a "LCD Monitor (6)". The "LCD Monitor (6)" is connected to the "EUT" via a "Display Cable (5)". Below the "EUT", a "USB Cable (2)" connects to an "External Hard Drive (1)". A "Headset Microphone (11)" is also connected to the "EUT".

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	D72654-0611	---	(實驗室提供)
(2) USB Cable	Transend	TS1TSJ25A3K-RU	D72654-0611	---	STD-A → USB 3.0 Micro-B 長度：1.25 m (實驗室提供)
(3) 外接式硬碟	Transend	TS1TSJ25A3K-RU	D72654-0614	---	(實驗室提供)
(4) USB Cable	I-wiz	MicM(U3)	---	---	Type-C → USB 3.0 Micro-B 長度：1 m (實驗室提供)
(5) Display Cable	J5crate	JCA141	---	---	Type-C → DP 長度：1.1 m (實驗室提供)
(6) 液晶螢幕	ASUS	MX27UQ	J3LMRS000019	---	(實驗室提供)
(7) AC Adapter	ASUS	ADP-55GD B	---	---	INPUT : 100-240 VAC, 50/60 Hz, 1.5 A OUTPUT : DC 19 V, 3.42 A (實驗室提供)
(8) Display Cable	J5crate	JCA141	---	---	Type-C → DP 長度：1.1 m (實驗室提供)
(9) 液晶螢幕	ASUS	MX27UQ	J3LMRS000068	---	(實驗室提供)
(10) AC Adapter	ASUS	ADP-55GD B	---	---	INPUT : 100-240 VAC, 50/60 Hz, 1.5 A OUTPUT : DC 19 V, 3.42 A (實驗室提供)
(11) 耳機麥克風	HUAWEI	22040296	---	---	(實驗室提供)
(12) Mobile phone	HUAWEI	ELE-L29	XPH011BC12000378		無線功能：GSM/Bluetooth/WLAN/NFC (申請人提供)

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

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: BR, GFSK Continuous TX Mode
Mode 3: EDR, $\pi/4$ -DQPSK Continuous TX Mode
Mode 4: EDR, 8DPSK Continuous TX Mode
Mode 5: LE, GFSK Continuous TX Mode
Mode 6: 2LE, GFSK Continuous TX Mode
Mode 7: Receiver Mode

Final-Test Mode
Mode 1: Transmit Mode
Mode 2: BR, GFSK Continuous TX Mode
Mode 4: EDR, 8DPSK Continuous TX Mode
Mode 5: LE, GFSK Continuous TX Mode
Mode 6: 2LE, GFSK Continuous TX Mode
Mode 7: Receiver Mode

測試搭配組合：

EUT Configure Mode	CE	RE<1 GHz	RE $\geq$ 1 GHz	備註
內建固定式電池(1)	V	V	V	
內建固定式電池(2)				
電源供應器	V	V	V	
USB Cable	V	V	V	
外接式硬碟	V	V	V	測試週邊(1)
USB Cable	V	V	V	測試週邊(2)
外接式硬碟	V	V	V	測試週邊(3)
USB Cable	V	V	V	測試週邊(4)
Display Cable				測試週邊(5)
液晶螢幕				測試週邊(6)
AC Adapter				測試週邊(7)
Display Cable				測試週邊(8)
液晶螢幕				測試週邊(9)
AC Adapter				測試週邊(10)
耳機麥克風	V	V	V	
Mobile phone	V			

RE $\geq$ 1 GHz：Radiated Emission above 1 GHz & Bandedge Measurement

RE<1 GHz：Radiated Emission below 1 GHz

CE：Conducted Emission

V：Final mode

X：Non support

With Display				
EUT Configure Mode	CE	RE<1 GHz	RE $\geq$ 1 GHz	備註
內建固定式電池(1)	V	V	V	
內建固定式電池(2)				
電源供應器	V			
USB Cable	V			
外接式硬碟	V	V	V	測試週邊(1)
USB Cable	V	V	V	測試週邊(2)
外接式硬碟				測試週邊(3)
USB Cable				測試週邊(4)
Display Cable	V	V	V	測試週邊(5)
液晶螢幕	V	V	V	測試週邊(6)
AC Adapter	V	V	V	測試週邊(7)
Display Cable		V	V	測試週邊(8)
液晶螢幕		V	V	測試週邊(9)
AC Adapter		V	V	測試週邊(10)
耳機麥克風	V	V	V	
Mobile phone	V			

RE $\geq$ 1 GHz : Radiated Emission above 1 GHz & Bandedge Measurement

RE<1 GHz : Radiated Emission below 1 GHz

CE : Conducted Emission

V : Final mode

X : Non support

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	

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。

BR/EDR 測試項目

項次	測試項目	適用規範	測試結果	量測設備	結果判定
1	輸出峰值功率	低功率射頻電機技術規範 3.10.1.2(1)(B)節	請參閱4.1節	請參閱2.1節	符合
2	電源線傳導干擾	低功率射頻電機技術規範 2.3節	請參閱4.2節	請參閱2.1節	符合
3	場強輻射 (1 GHz以上)	低功率射頻電機技術規範 2.8節、2.9節、3.10.1.5節	請參閱4.3節	請參閱2.1節	符合
4	場強輻射其它不必要之訊號 (1 GHz以下)	低功率射頻電機技術規範 2.8節、2.9節、3.10.1.5節	請參閱4.3節	請參閱2.1節	符合
5	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節	請參閱4.3節	請參閱2.1節	符合
6	非必要頻帶	低功率射頻電機技術規範 3.10.1.5節	請參閱4.4節	請參閱2.1節	符合
7	頻率範圍	低功率射頻電機技術規範 3.10.1.1節	請參閱4.5節	請參閱2.1節	符合
8	發射頻寬	低功率射頻電機技術規範 3.10.1.6(1)(A)節	請參閱4.6節	請參閱2.1節	符合
9	頻道數	低功率射頻電機技術規範 3.10.1.6(1)(A)(a)節	請參閱4.7節	請參閱2.1節	符合
10	跳頻系統之載波頻率頻道間隔	低功率射頻電機技術規範 3.10.1.6(1)(A)節	請參閱4.8節	請參閱2.1節	符合
11	跳頻系統之任一頻率佔用之 平均時間	低功率射頻電機技術規範 3.10.1.6(1)(A)(a)節	請參閱4.9節	請參閱2.1節	符合
12	天線規格	低功率射頻電機技術規範 3.10.1.3(3)節、3.10.1.4節	請參閱4.11節	-----	符合

LE/2LE 測試項目

項次	測試項目	適用規範	測試結果	量測設備	結果判定
1	輸出峰值功率	低功率射頻電機技術規範 3.10.1.2(1)(C)節	請參閱4.1節	請參閱2.1節	符合
2	電源線傳導干擾	低功率射頻電機技術規範 2.3節	請參閱4.2節	請參閱2.1節	符合
3	場強輻射 (1 GHz以上)	低功率射頻電機技術規範 2.8節、2.9節、3.10.1.5節	請參閱4.3節	請參閱2.1節	符合
4	場強輻射其它不必要之訊號 (1 GHz以下)	低功率射頻電機技術規範 2.8節、2.9節、3.10.1.5節	請參閱4.3節	請參閱2.1節	符合
5	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節	請參閱4.3節	請參閱2.1節	符合
6	非必要頻帶	低功率射頻電機技術規範 3.10.1.5節	請參閱4.4節	請參閱2.1節	符合
7	發射頻寬	低功率射頻電機技術規範 3.10.1.6(2)(A)節	請參閱4.6節	請參閱2.1節	符合
8	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4.10節	請參閱2.1節	符合
9	天線規格	低功率射頻電機技術規範 3.10.1.3(3)節、3.10.1.4節	請參閱4.11節	-----	符合

Decision Rule

- Uncertainty is not included.
- Uncertainty is included.

4. 測試項目表列

4.1 輸出峰值功率之量測

合格標準：

BR/EDR

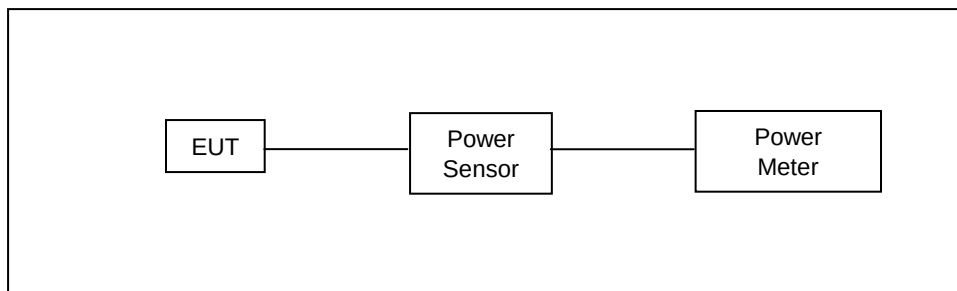
依據 NCC 低功率射頻電機技術規範(LP0002)之 3.10.1.2(1)(B)節之要求，所有操作於 2400-2483.5 兆赫且輸出功率應小於或等於 0.125 W 。

LE/2LE

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)之所有數位調變技術系統：1 瓦(W)以下。

除使用附件二之峰值輸出功率量測方式外，並得使用以最大傳導輸出功率(Maximum Conducted Output Power)作為量測方式。

測試架構圖：



測試結果:

操作模式 : Mode 2: BR,GFSK Continuous TX Mode						
頻道		輸出功率(Average)		輸出功率(Peak)		限制值
		dBm	W	dBm	W	W
低頻道	DH1	7.92	0.00619	8.11	0.00647	≤0.125
	DH3	7.96	0.00625	8.16	0.00655	≤0.125
	DH5	8.00	0.00631	8.23	0.00665	≤0.125
中頻道	DH1	9.11	0.00815	9.32	0.00855	≤0.125
	DH3	9.15	0.00822	9.39	0.00869	≤0.125
	DH5	9.22	0.00836	9.45	0.00881	≤0.125
高頻道	DH1	8.98	0.00791	9.12	0.00817	≤0.125
	DH3	9.02	0.00798	9.20	0.00832	≤0.125
	DH5	9.07	0.00807	9.29	0.00849	≤0.125

操作模式 : Mode 3: EDR, π/4-QPSK Continuous TX Mode						
頻道		輸出功率(Average)		輸出功率(Peak)		限制值
		dBm	W	dBm	W	W
低頻道	2DH1	4.81	0.00303	6.90	0.00490	≤0.125
	2DH3	4.93	0.00311	6.96	0.00497	≤0.125
	2DH5	4.99	0.00316	7.08	0.00511	≤0.125
中頻道	2DH1	4.88	0.00308	7.14	0.00518	≤0.125
	2DH3	4.94	0.00312	7.22	0.00527	≤0.125
	2DH5	5.00	0.00316	7.30	0.00537	≤0.125
高頻道	2DH1	4.66	0.00292	7.04	0.00506	≤0.125
	2DH3	4.75	0.00299	7.13	0.00516	≤0.125
	2DH5	4.82	0.00303	7.16	0.00520	≤0.125

操作模式 : Mode 4:EDR, 8DPSK Continuous TX Mode						
頻道		輸出功率(Average)		輸出功率(Peak)		限制值
		dBm	W	dBm	W	W
低頻道	3DH1	4.90	0.00309	7.02	0.00504	≤0.125
	3DH3	4.98	0.00315	7.10	0.00513	≤0.125
	3DH5	5.05	0.00320	7.19	0.00524	≤0.125
中頻道	3DH1	4.91	0.00310	7.26	0.00532	≤0.125
	3DH3	5.01	0.00317	7.33	0.00541	≤0.125
	3DH5	5.07	0.00321	7.44	0.00555	≤0.125
高頻道	3DH1	4.75	0.00299	7.14	0.00518	≤0.125
	3DH3	4.81	0.00303	7.25	0.00531	≤0.125
	3DH5	4.86	0.00306	7.32	0.00540	≤0.125

操作模式 : Mode 5: LE, GFSK Continuous TX Mode			
頻道	輸出功率(Average)		限制值
	dBm	W	W
低頻道	7.40	0.00550	≤ 1
中頻道	7.90	0.00617	≤ 1
高頻道	7.89	0.00615	≤ 1

操作模式 : Mode 6: 2LE, GFSK Continuous TX Mode			
頻道	輸出功率(Average)		限制值
	dBm	W	W
低頻道	7.42	0.00552	≤ 1
中頻道	7.91	0.00618	≤ 1
高頻道	7.91	0.00618	≤ 1

4.2 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 μ H 之電源線阻抗模擬網路 (LISN)。頻率重疊處，以較低限值為準。

Frequency (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。

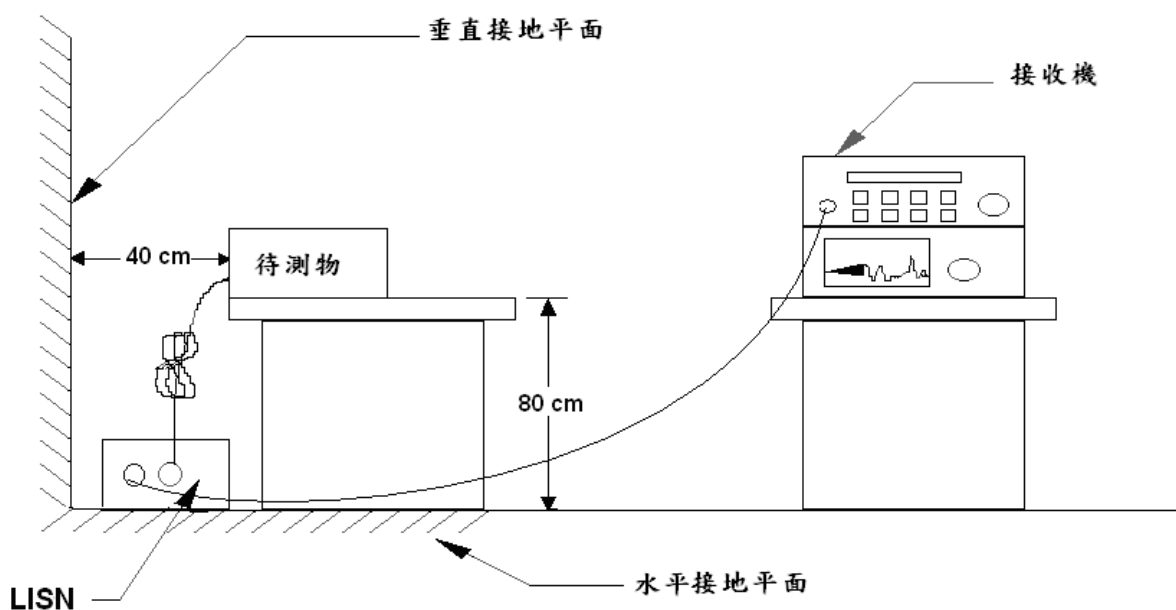
干擾值之計算

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

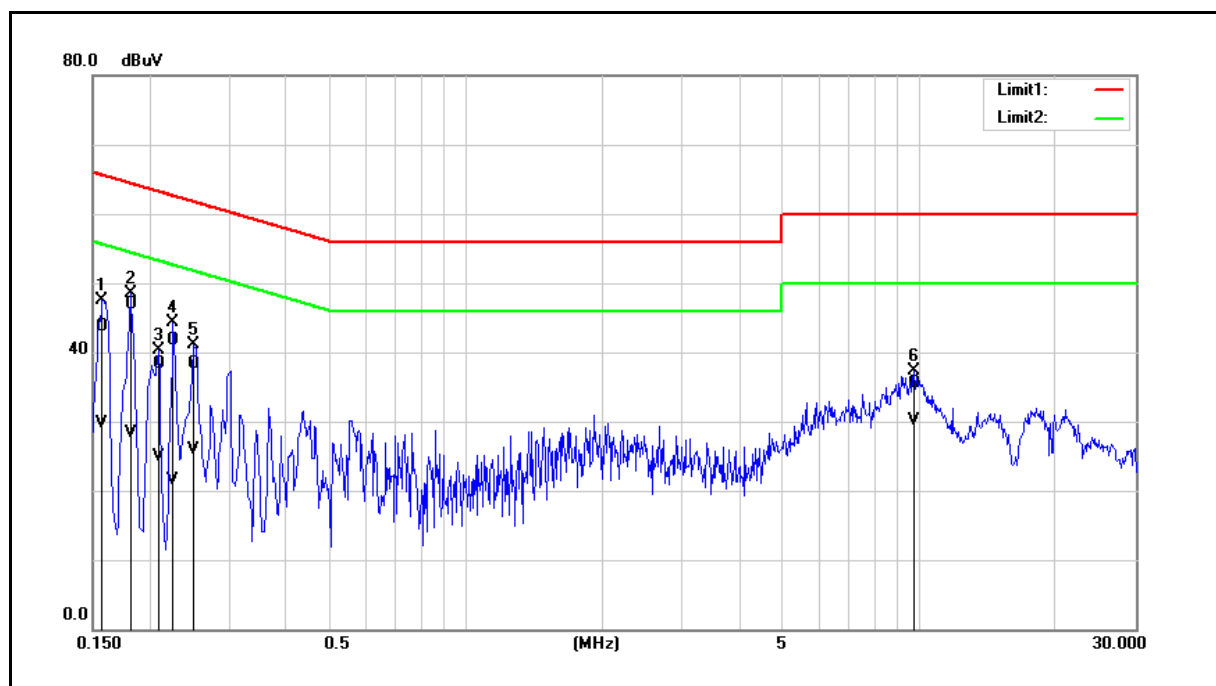
其中校正因子為：饋線損失 + 電源阻抗模擬網路損失

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		
Description:			

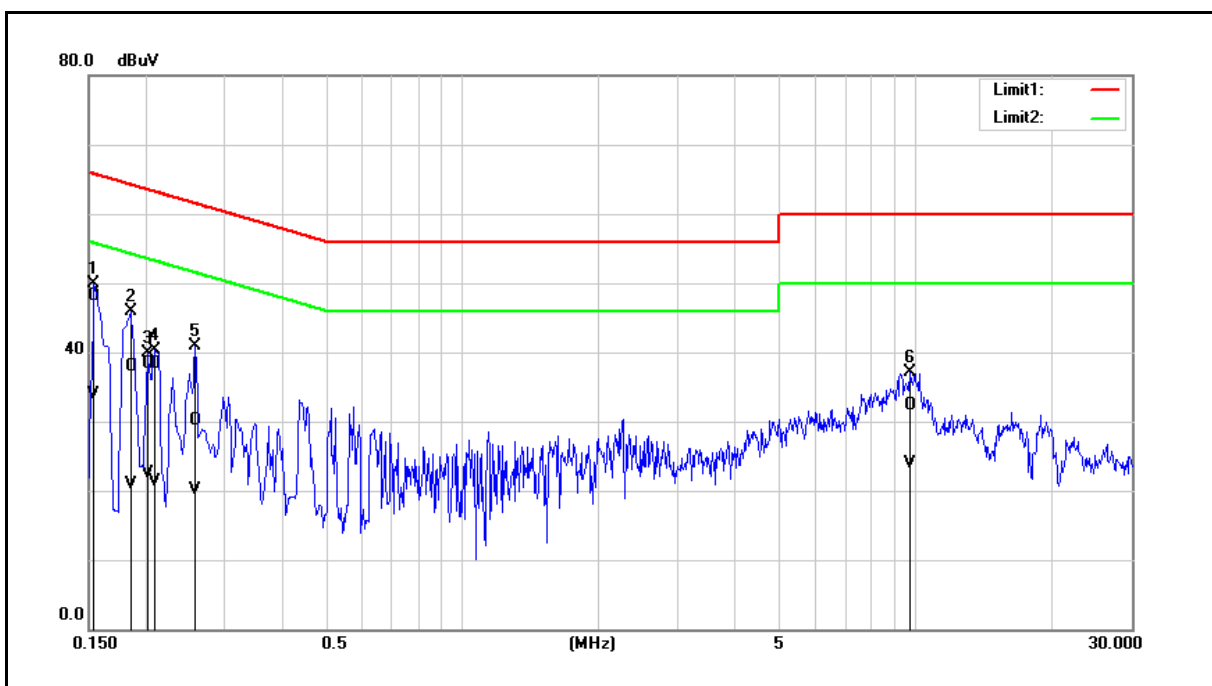


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1580	33.96	20.01	9.65	43.61	29.66	65.57	55.57	-21.96	-25.91	Pass
2	0.1820	37.22	18.62	9.64	46.86	28.26	64.39	54.39	-17.53	-26.13	Pass
3	0.2100	28.58	15.20	9.64	38.22	24.84	63.21	53.21	-24.99	-28.37	Pass
4	0.2260	32.16	11.79	9.64	41.80	21.43	62.60	52.60	-20.80	-31.17	Pass
5	0.2500	28.64	16.21	9.64	38.28	25.85	61.76	51.76	-23.48	-25.91	Pass
6	9.7500	25.64	20.11	9.90	35.54	30.01	60.00	50.00	-24.46	-19.99	Pass

註：1. 干擾值(dBuV) = 校正係數(dB) + 讀值(dBuV)。

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

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



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1540	38.48	24.15	9.68	48.16	33.83	65.78	55.78	-17.62	-21.95	Pass
2	0.1860	28.14	11.16	9.67	37.81	20.83	64.21	54.21	-26.40	-33.38	Pass
3	0.2020	28.61	12.76	9.67	38.28	22.43	63.53	53.53	-25.25	-31.10	Pass
4	0.2100	28.54	11.62	9.67	38.21	21.29	63.21	53.21	-25.00	-31.92	Pass
5	0.2580	20.47	10.38	9.67	30.14	20.05	61.50	51.50	-31.36	-31.45	Pass
6	9.7340	22.27	13.99	9.96	32.23	23.95	60.00	50.00	-27.77	-26.05	Pass

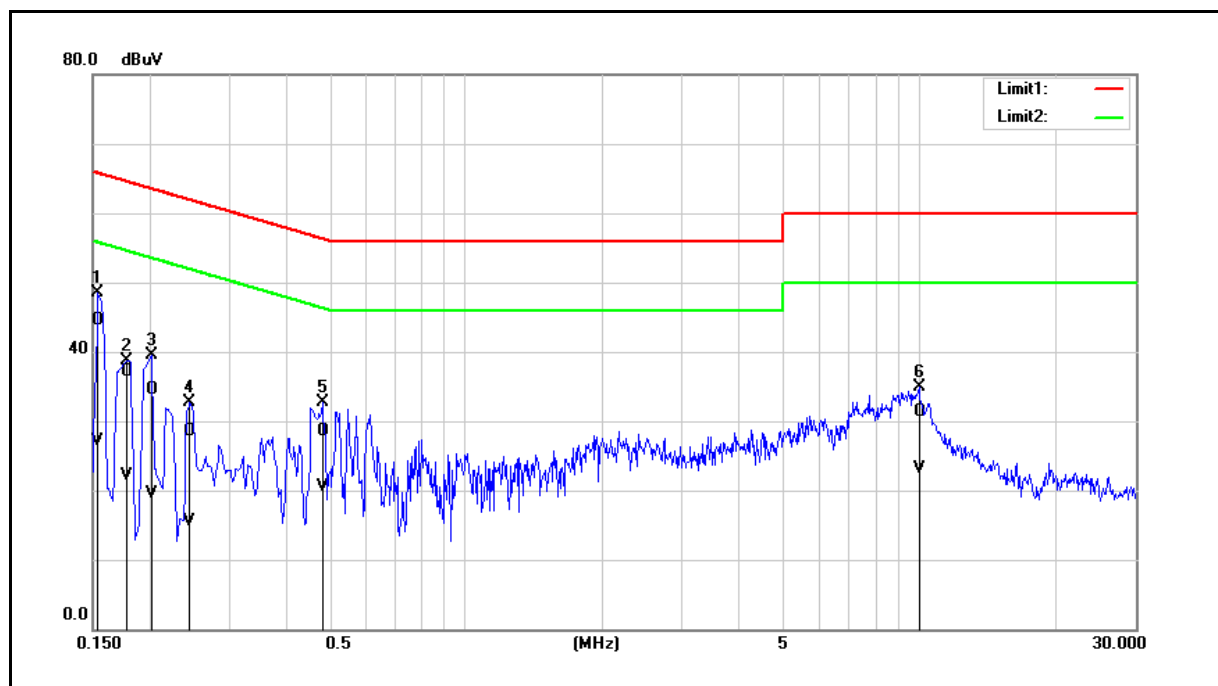
註：1. 干擾值(dBuV) = 校正係數(dB) + 讀值(dBuV)。

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 Display

測試結果:

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

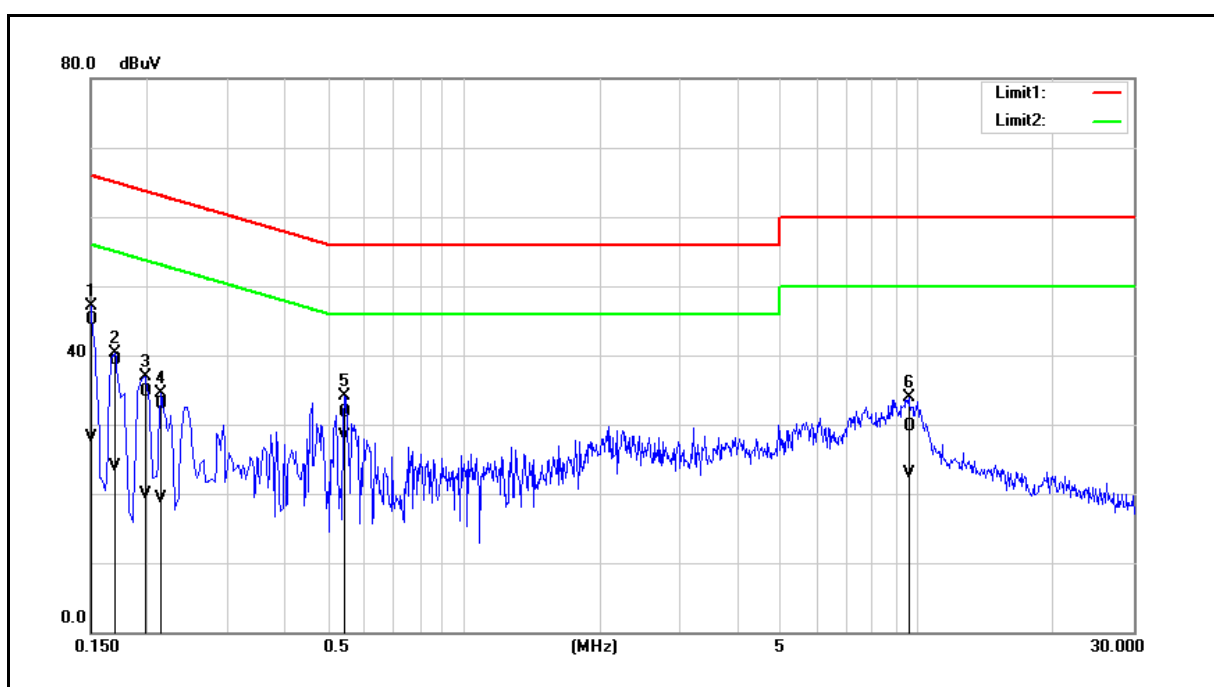


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1540	34.78	17.55	9.65	44.43	27.20	65.78	55.78	-21.35	-28.58	Pass
2	0.1780	27.50	12.51	9.64	37.14	22.15	64.58	54.58	-27.44	-32.43	Pass
3	0.2020	24.92	9.90	9.64	34.56	19.54	63.53	53.53	-28.97	-33.99	Pass
4	0.2460	18.92	5.78	9.64	28.56	15.42	61.89	51.89	-33.33	-36.47	Pass
5	0.4820	18.79	10.75	9.66	28.45	20.41	56.30	46.30	-27.85	-25.89	Pass
6	9.9860	21.40	13.19	9.90	31.30	23.09	60.00	50.00	-28.70	-26.91	Pass

註：1. 干擾值(dBuV) = 校正係數(dB) + 讀值(dBuV)。

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

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



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1500	35.47	18.43	9.68	45.15	28.11	66.00	56.00	-20.85	-27.89	Pass
2	0.1700	29.55	14.15	9.68	39.23	23.83	64.96	54.96	-25.73	-31.13	Pass
3	0.1980	25.12	10.21	9.67	34.79	19.88	63.69	53.69	-28.90	-33.81	Pass
4	0.2140	23.16	9.58	9.67	32.83	19.25	63.05	53.05	-30.22	-33.80	Pass
5	0.5460	22.09	18.58	9.69	31.78	28.27	56.00	46.00	-24.22	-17.73	Pass
6	9.5940	19.82	12.99	9.95	29.77	22.94	60.00	50.00	-30.23	-27.06	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)。

4.3 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 3.10.1.5(2)之峰值傳導輸出功率量測方式者，至少須衰減 30 dB。此外，落於第 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。

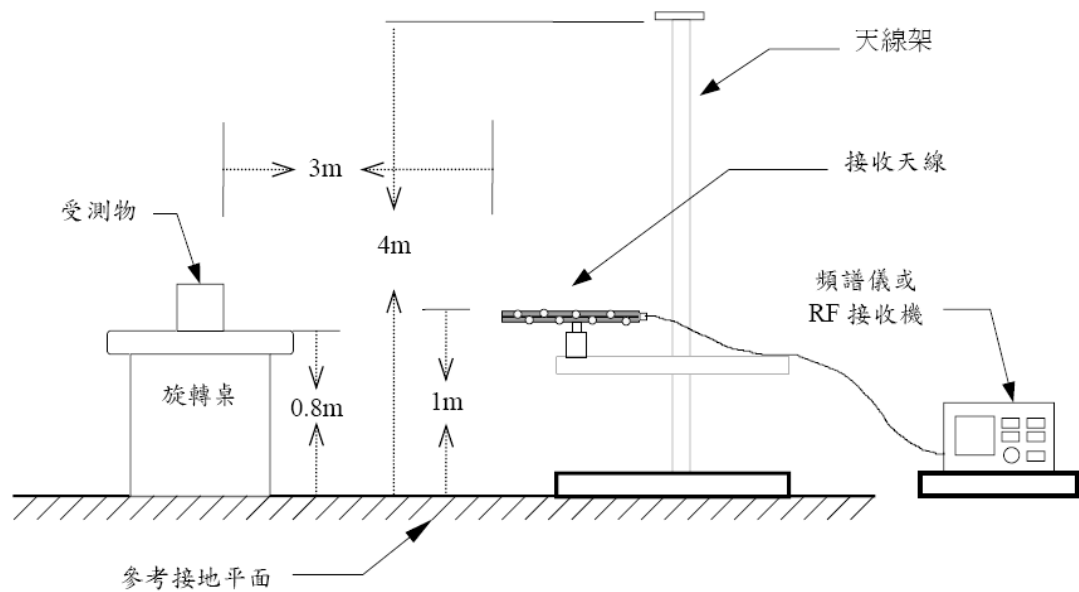
場強度之計算

場強之計算公式為：結果值 = 讀值 + 校正因子

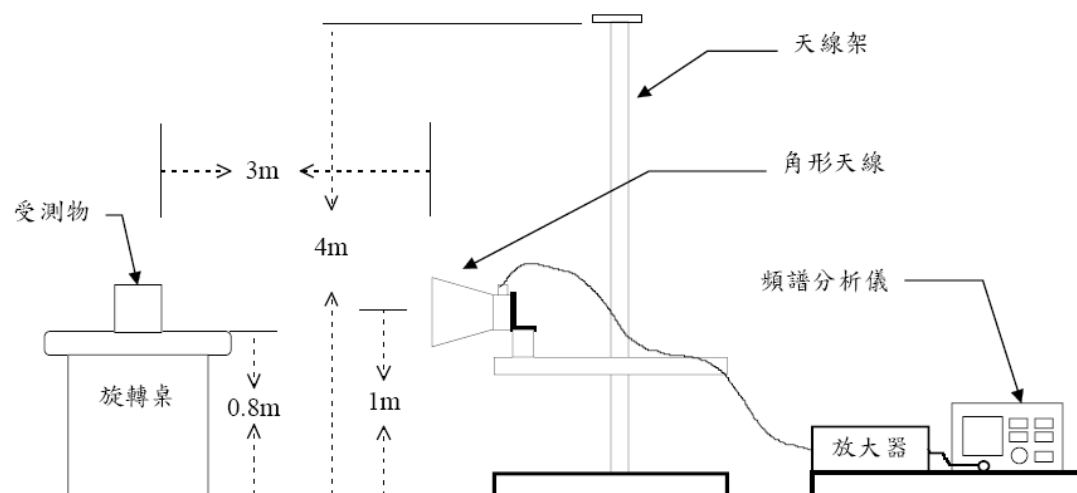
其中校正因子為：天線因子+ 饋線損失 + 濾波器損失（若有使用） - 放大器增益（若有使用）

測試架構圖：

量測頻率低於 1 GHz 以下之測試配置

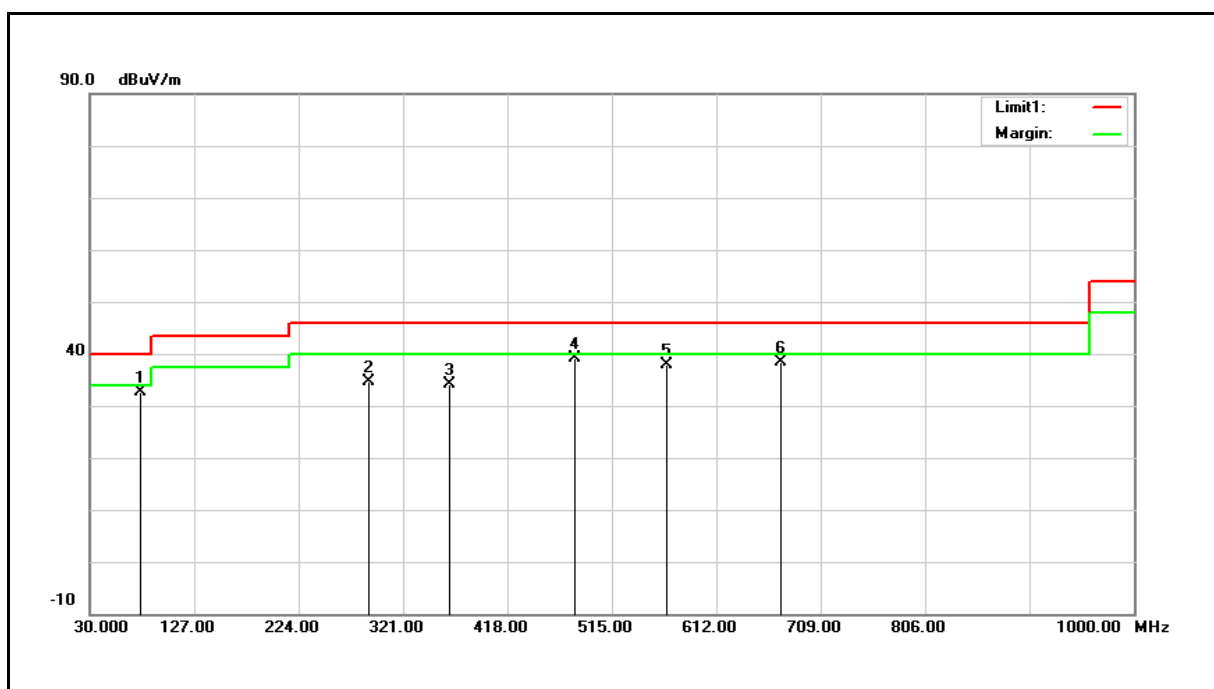


量測頻率高於 1 GHz 以上之測試配置



其它不必要之訊號 (1 GHz 以下)

Standard:	LP0002	Test Distance:	3 m
Test item:	Radiated Emission		
Frequency:	2402 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	77.5300	42.89	-10.34	32.55	40.00	-7.45	QP
2	288.9900	39.18	-4.46	34.72	46.00	-11.28	QP
3	364.6500	37.13	-3.02	34.11	46.00	-11.89	QP
4	481.0500	39.54	-0.36	39.18	46.00	-6.82	QP
5	565.4400	36.41	1.49	37.90	46.00	-8.10	QP
6	672.1400	35.08	3.37	38.45	46.00	-7.55	QP

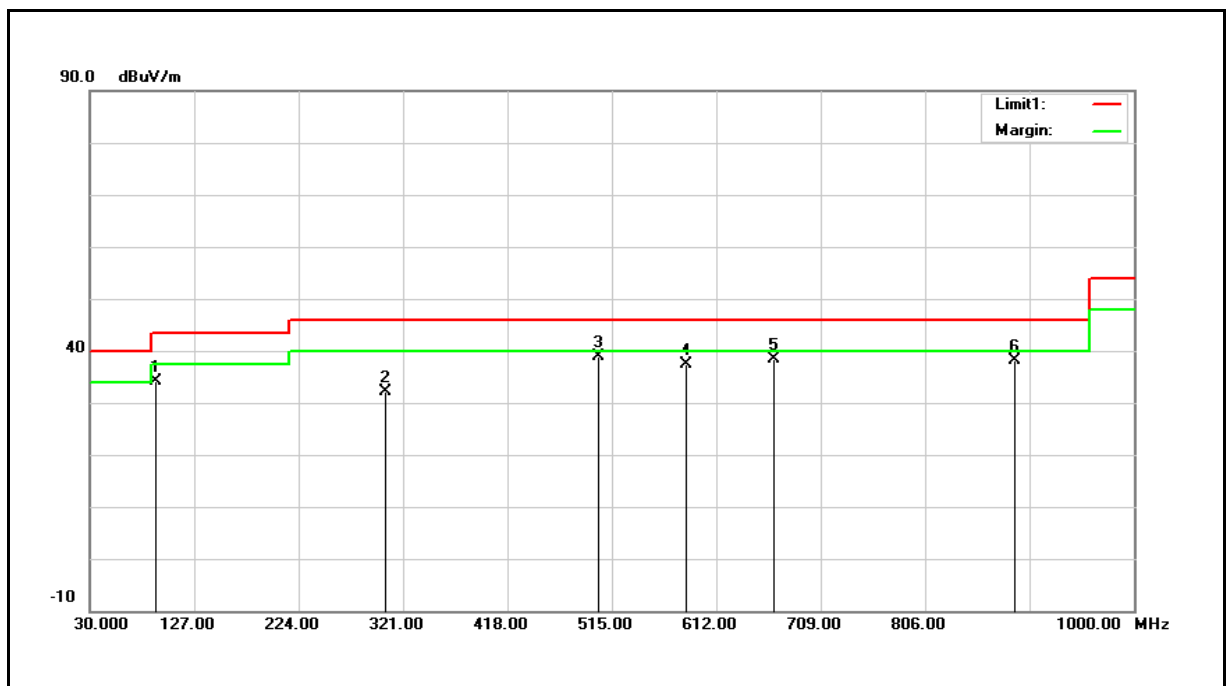
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 32.55 = -10.34 + 42.89

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Radiated Emission		
Frequency:	2402 MHz		
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	91.1100	46.11	-11.90	34.21	43.50	-9.29	QP
2	304.5100	36.23	-4.13	32.10	46.00	-13.90	QP
3	502.3900	38.95	-0.08	38.87	46.00	-7.13	QP
4	583.8700	35.29	2.02	37.31	46.00	-8.69	QP
5	665.3500	35.12	3.22	38.34	46.00	-7.66	QP
6	889.4200	30.82	7.39	38.21	46.00	-7.79	QP

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

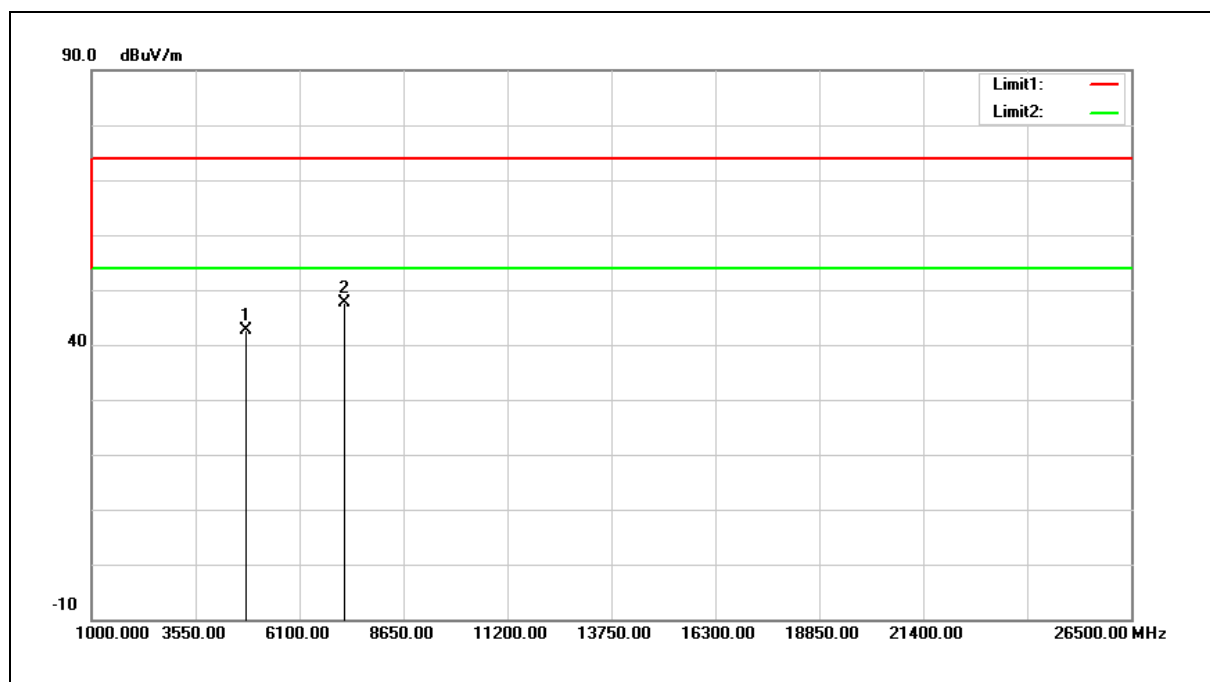
Example: $34.21 = -11.90 + 46.11$

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

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

場強輻射量測 (1 GHz 以上)

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2402 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	51.19	-8.66	42.53	74.00	-31.47	peak
2	7206.000	48.73	-1.20	47.53	74.00	-26.47	peak

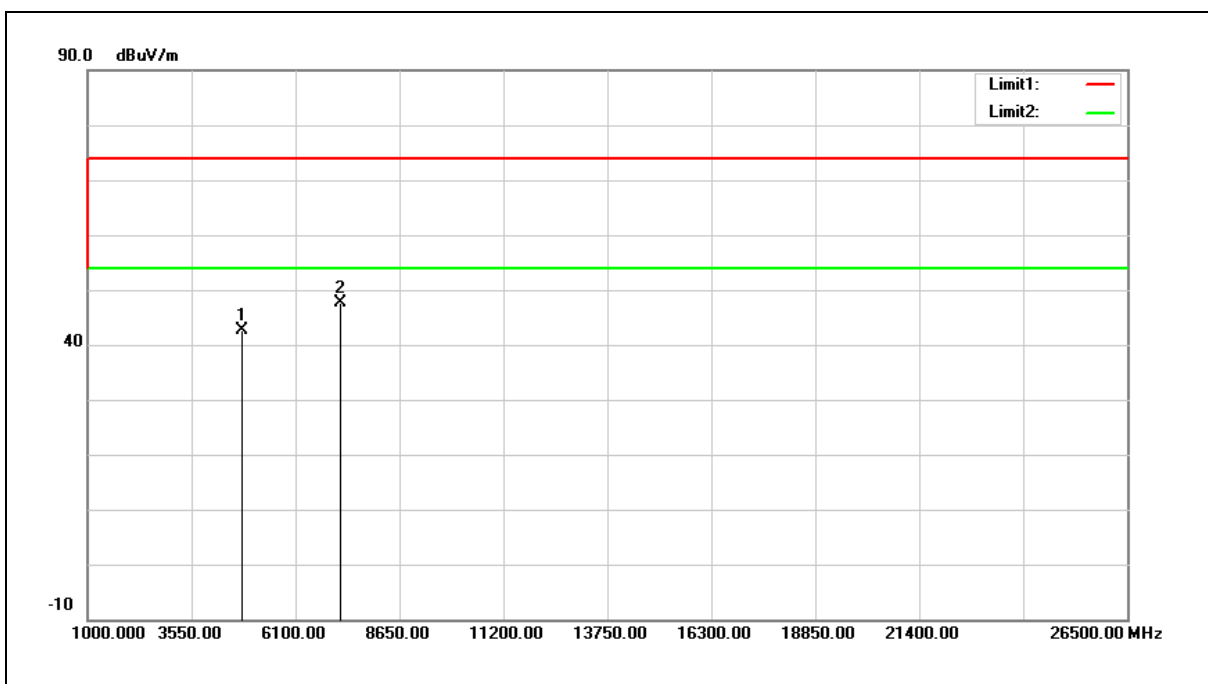
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

Example: $42.53 = -8.66 + 51.19$

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2402 MHz		
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	4804.000	51.29	-8.66	42.63	74.00	-31.37	peak
2	7206.000	48.73	-1.20	47.53	74.00	-26.47	peak

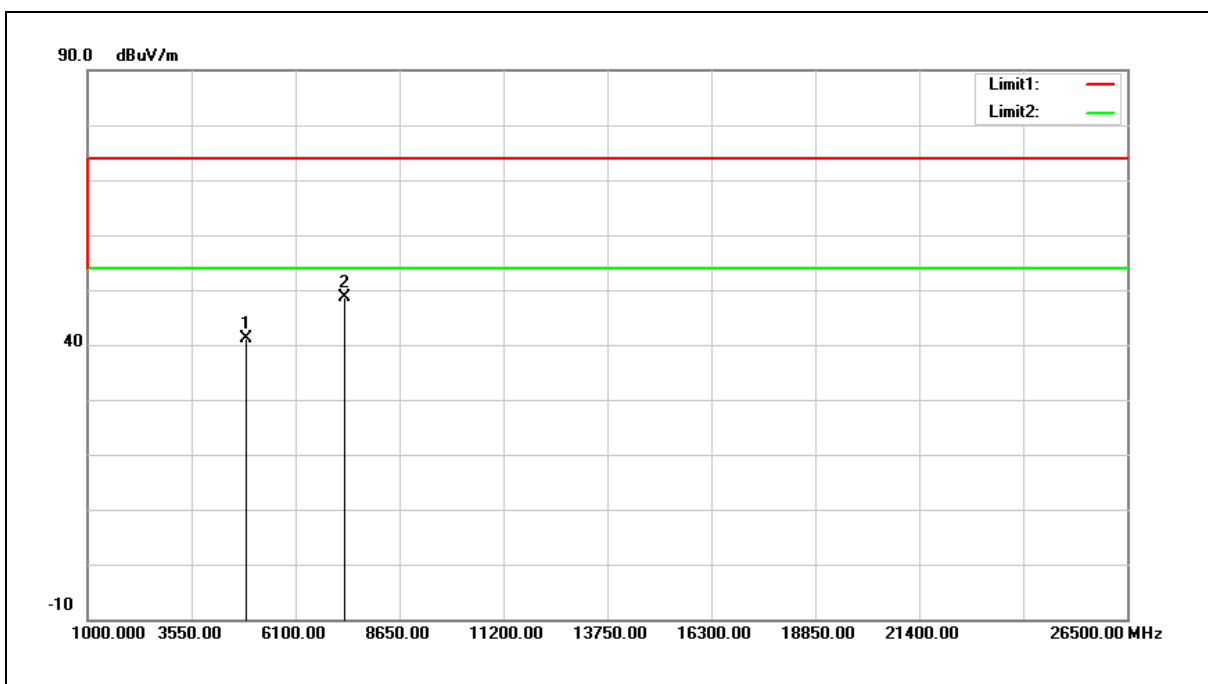
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: $42.63 = -8.66 + 51.29$

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2441 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



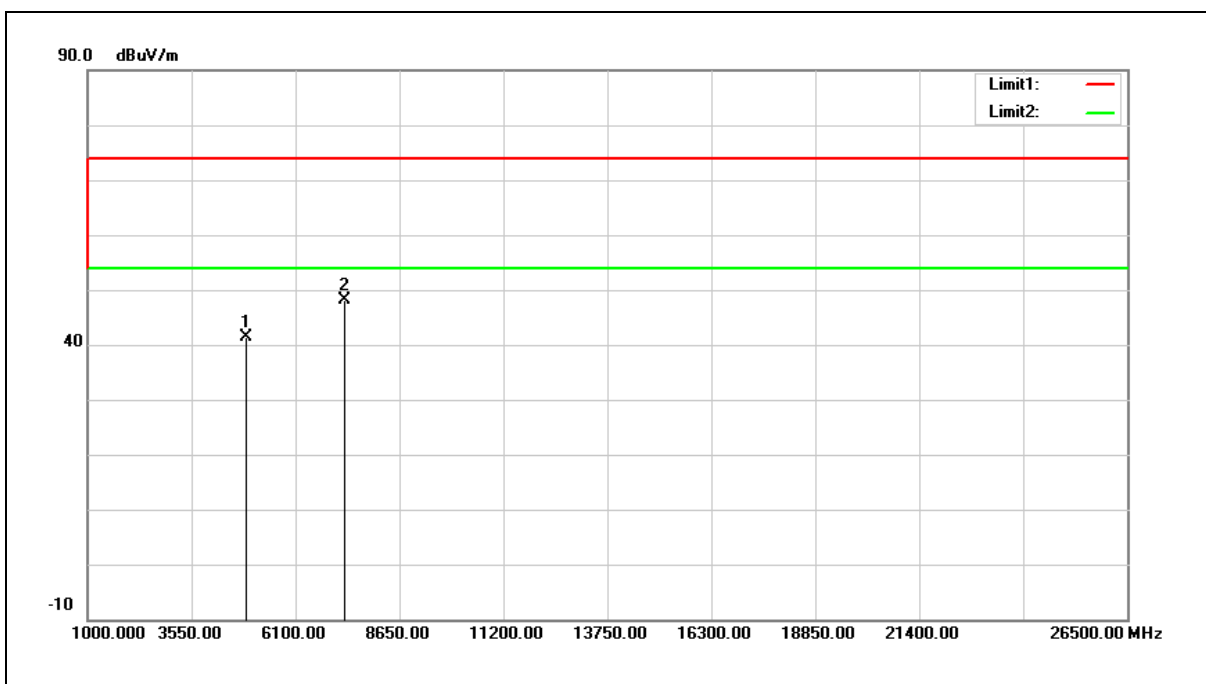
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.000	49.59	-8.45	41.14	74.00	-32.86	peak
2	7323.000	49.31	-0.66	48.65	74.00	-25.35	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2441 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



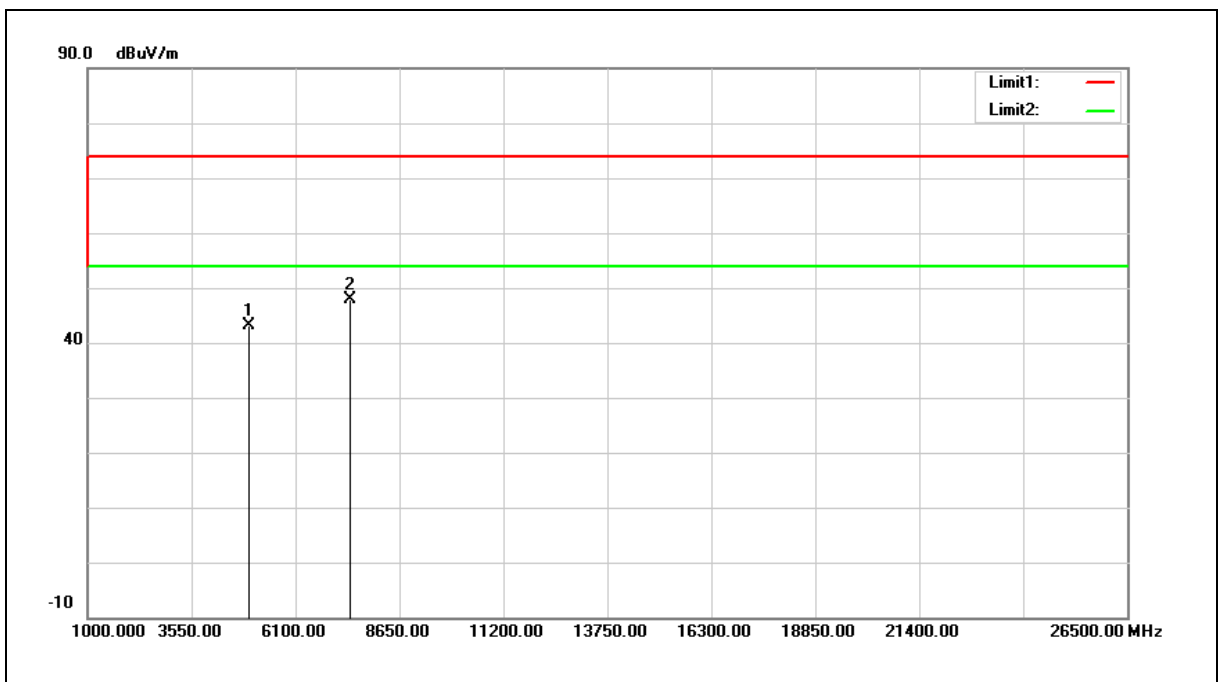
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.000	49.85	-8.45	41.40	74.00	-32.60	peak
2	7323.000	48.72	-0.66	48.06	74.00	-25.94	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2480 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



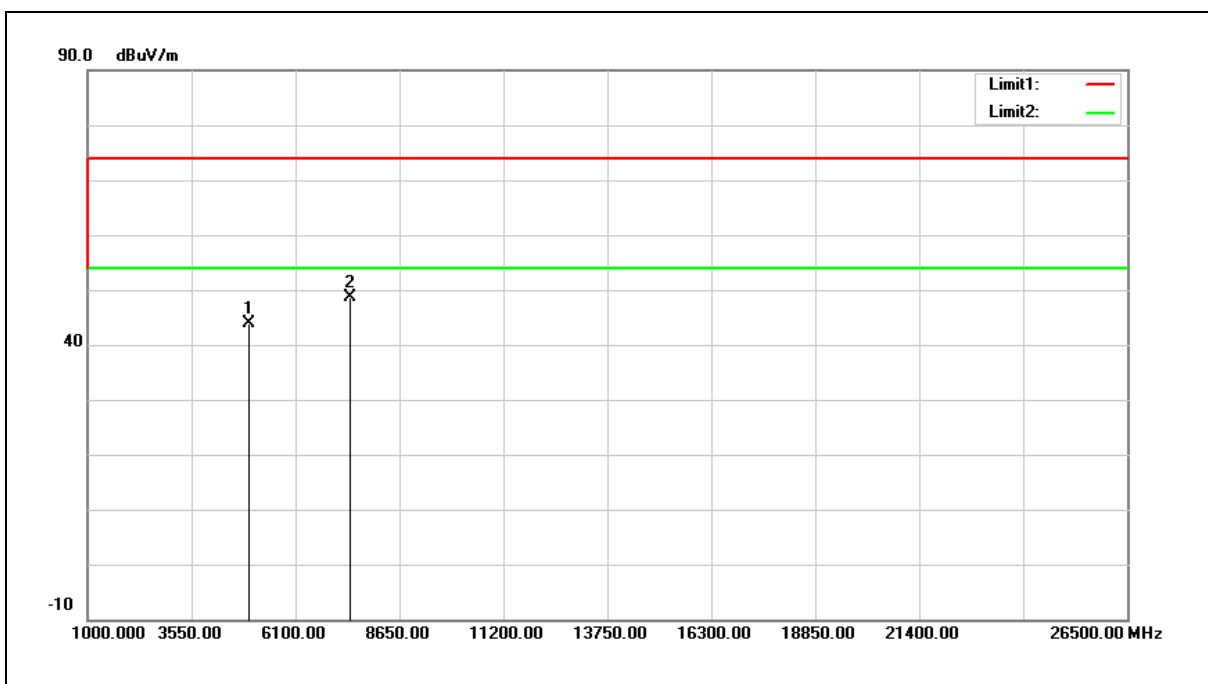
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	51.47	-8.26	43.21	74.00	-30.79	peak
2	7440.000	48.11	-0.14	47.97	74.00	-26.03	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2480 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



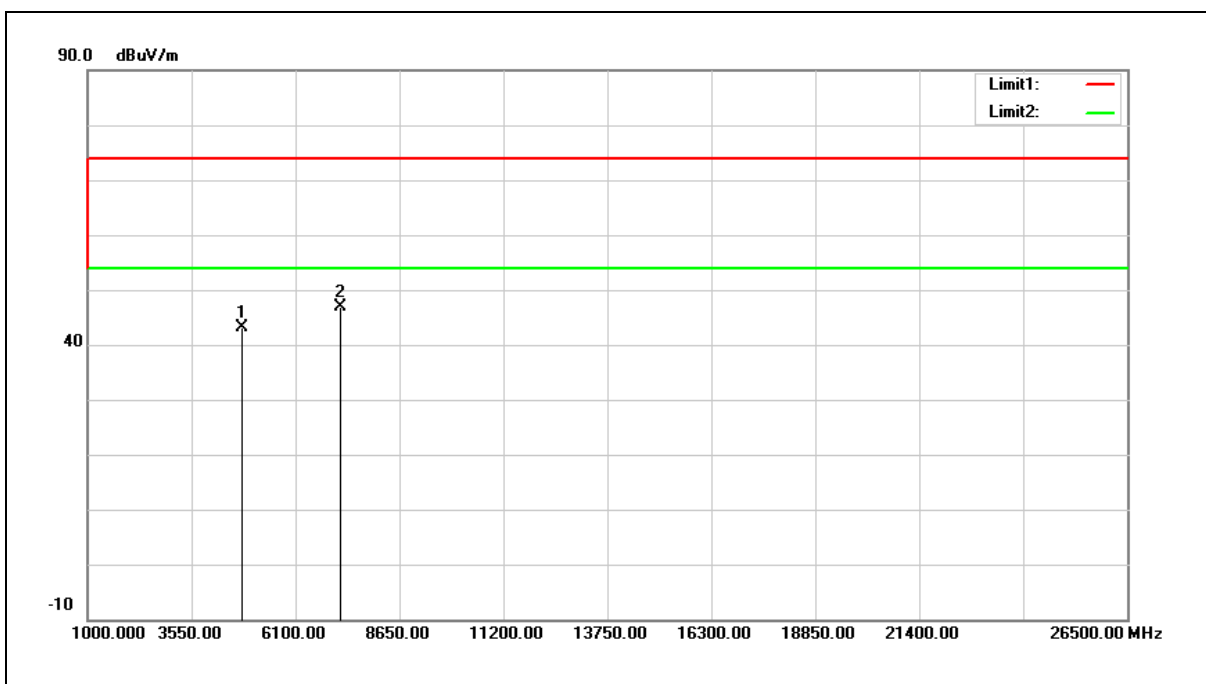
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	52.04	-8.26	43.78	74.00	-30.22	peak
2	7440.000	48.85	-0.14	48.71	74.00	-25.29	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2402 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



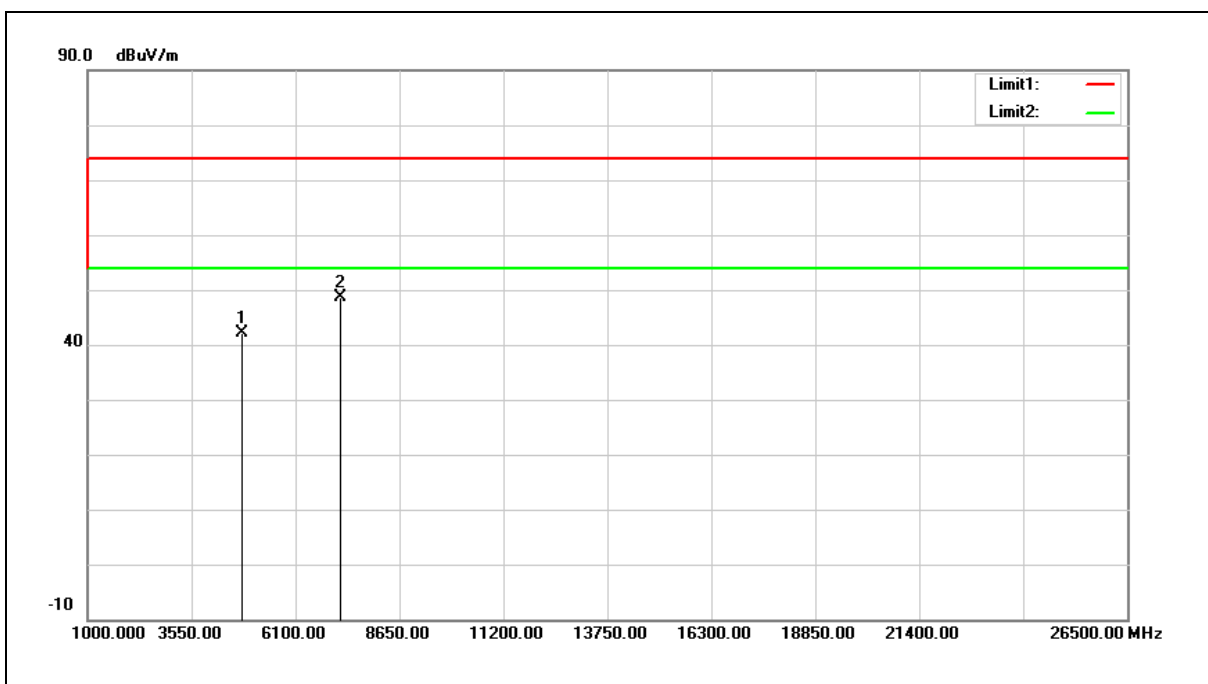
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	51.68	-8.66	43.02	74.00	-30.98	peak
2	7206.000	48.08	-1.20	46.88	74.00	-27.12	peak

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		
Frequency:	2402 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



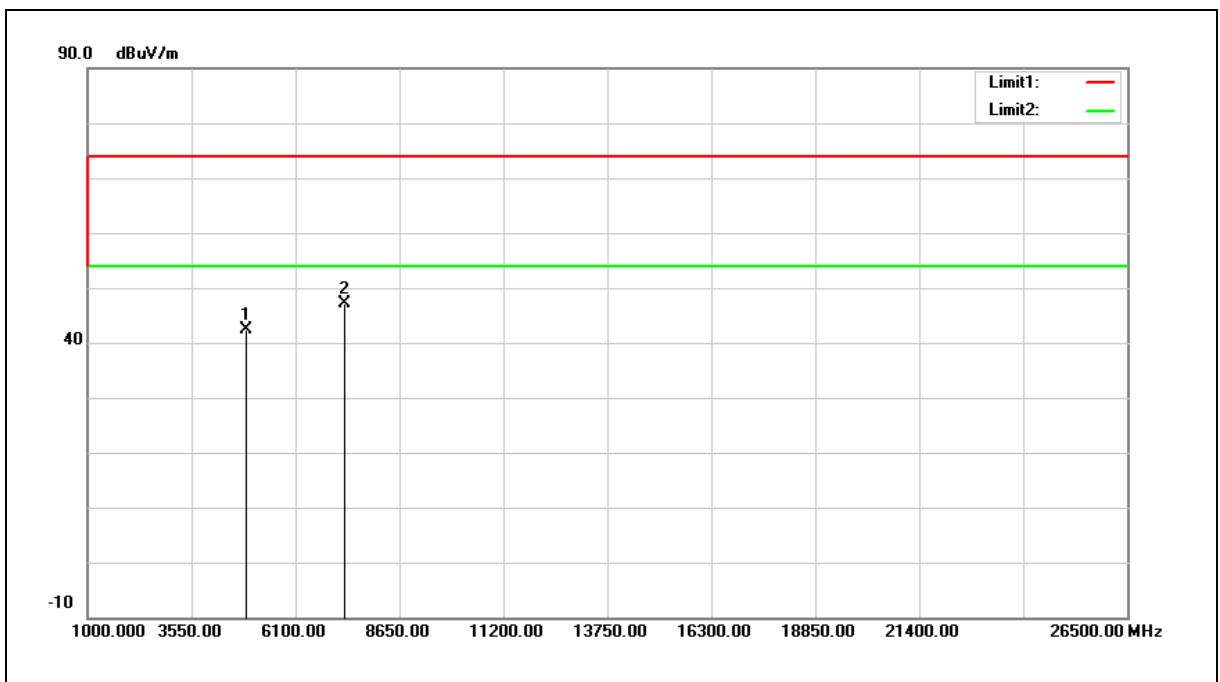
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	50.89	-8.66	42.23	74.00	-31.77	peak
2	7206.000	49.76	-1.20	48.56	74.00	-25.44	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2441 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



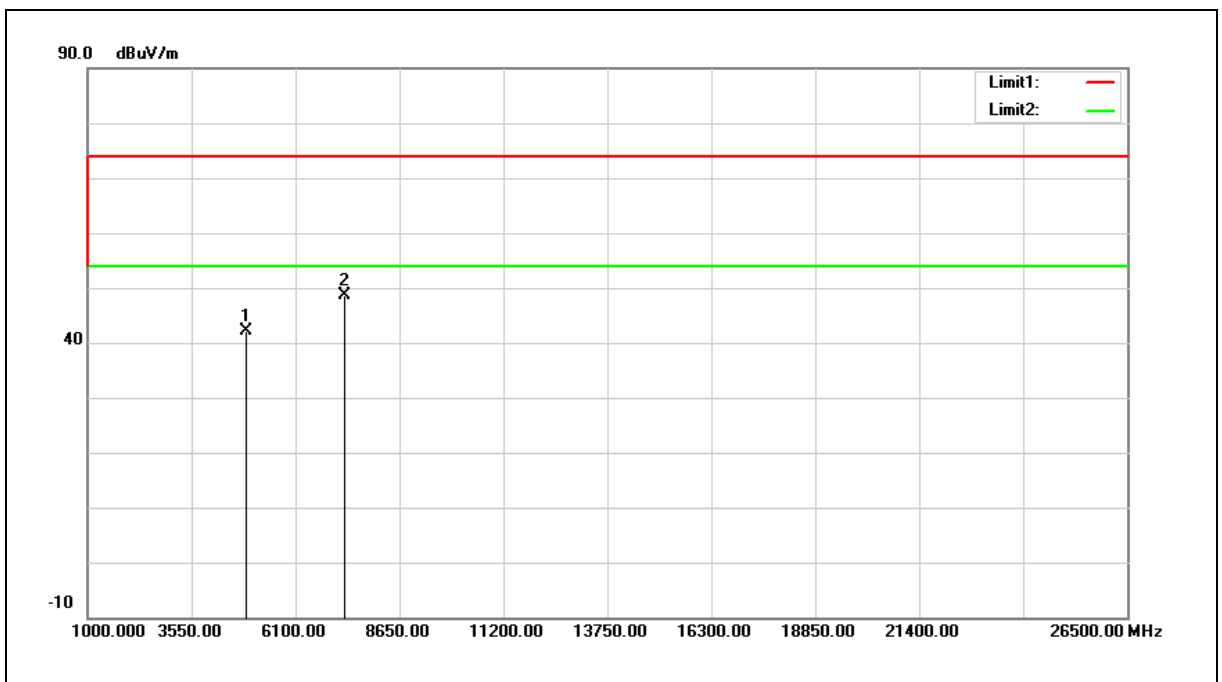
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.000	50.84	-8.45	42.39	74.00	-31.61	peak
2	7323.000	47.91	-0.66	47.25	74.00	-26.75	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2441 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



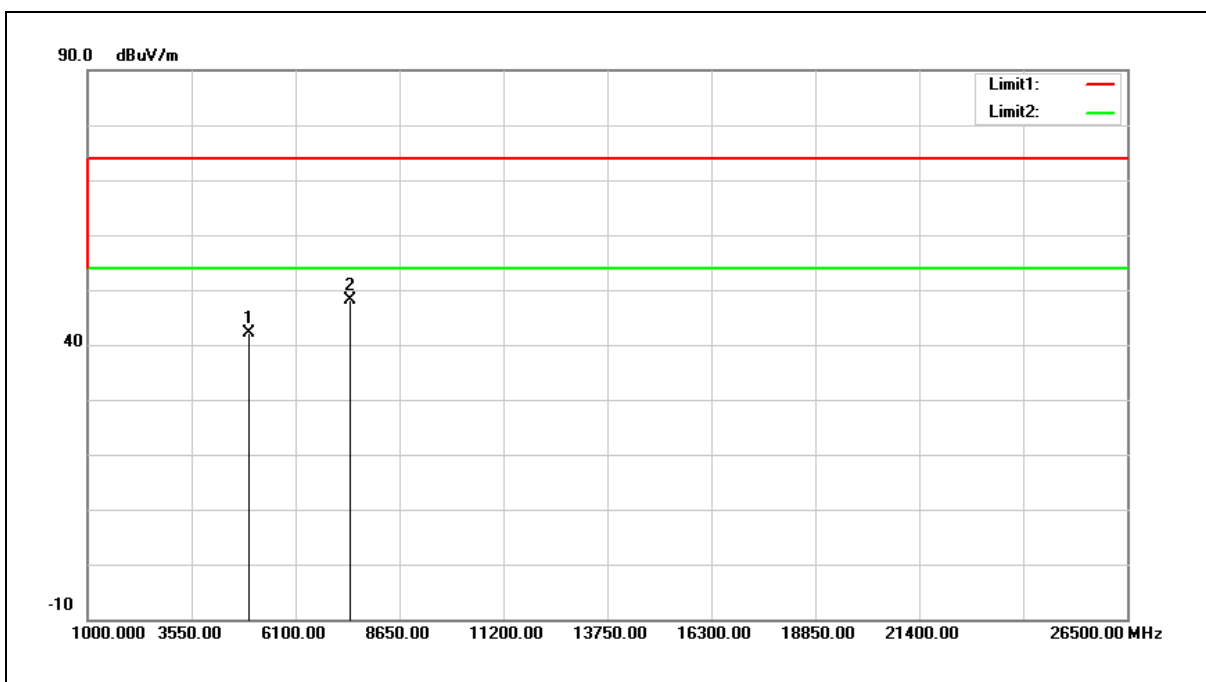
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.000	50.70	-8.45	42.25	74.00	-31.75	peak
2	7323.000	49.41	-0.66	48.75	74.00	-25.25	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2480 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



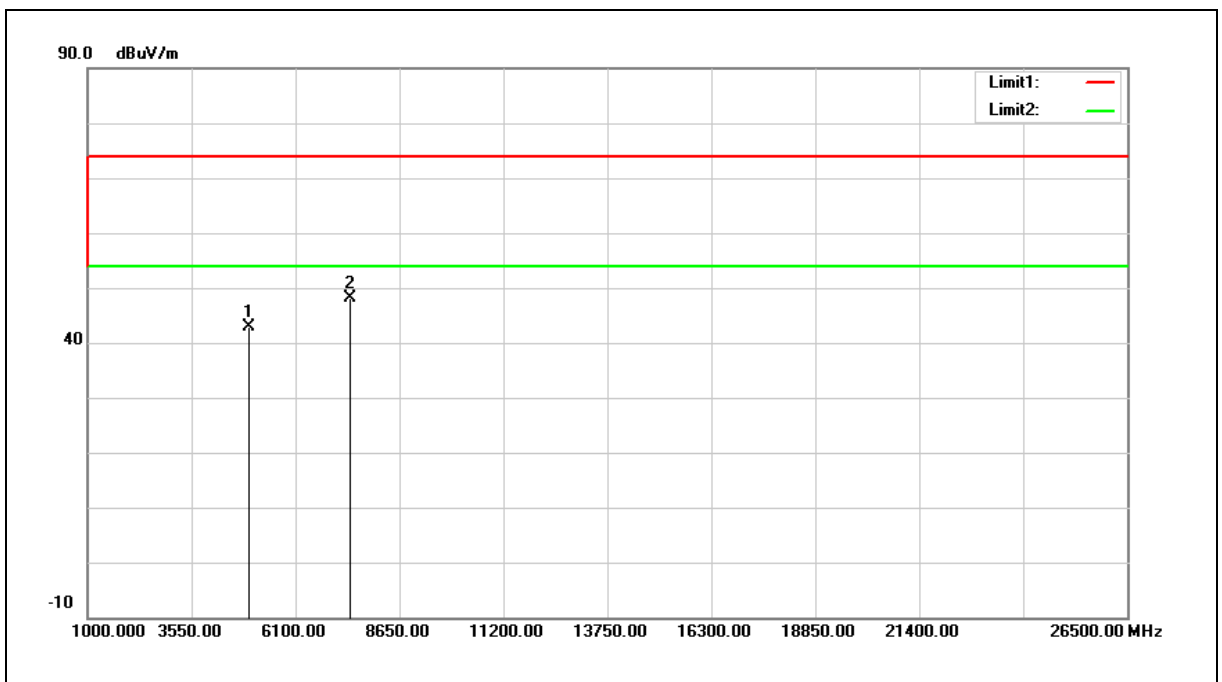
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	50.29	-8.26	42.03	74.00	-31.97	peak
2	7440.000	48.27	-0.14	48.13	74.00	-25.87	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2480 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



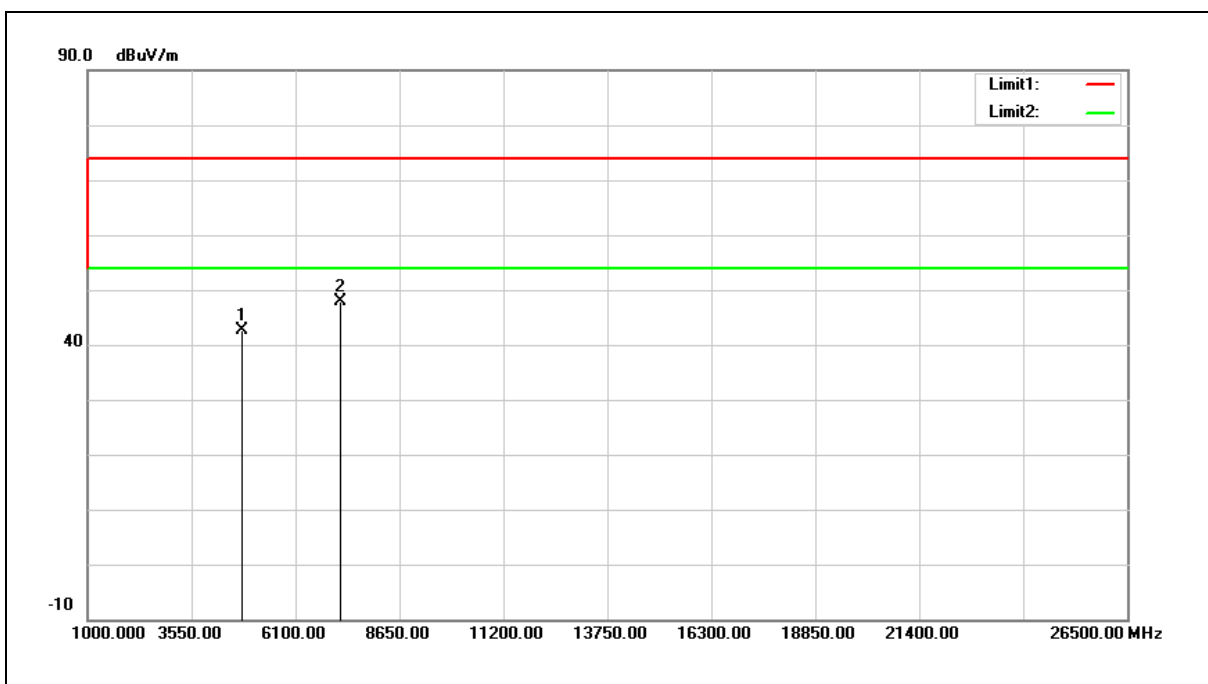
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	51.02	-8.26	42.76	74.00	-31.24	peak
2	7440.000	48.39	-0.14	48.25	74.00	-25.75	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2402 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



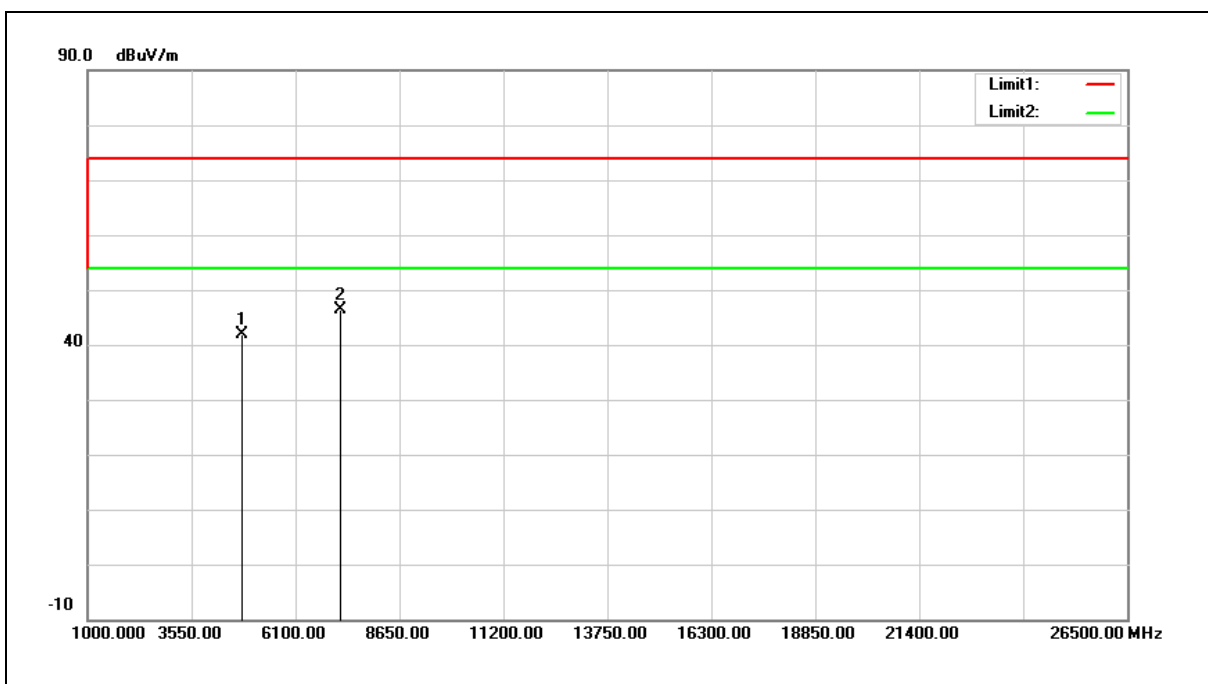
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	51.28	-8.66	42.62	74.00	-31.38	peak
2	7206.000	49.15	-1.20	47.95	74.00	-26.05	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2402 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		



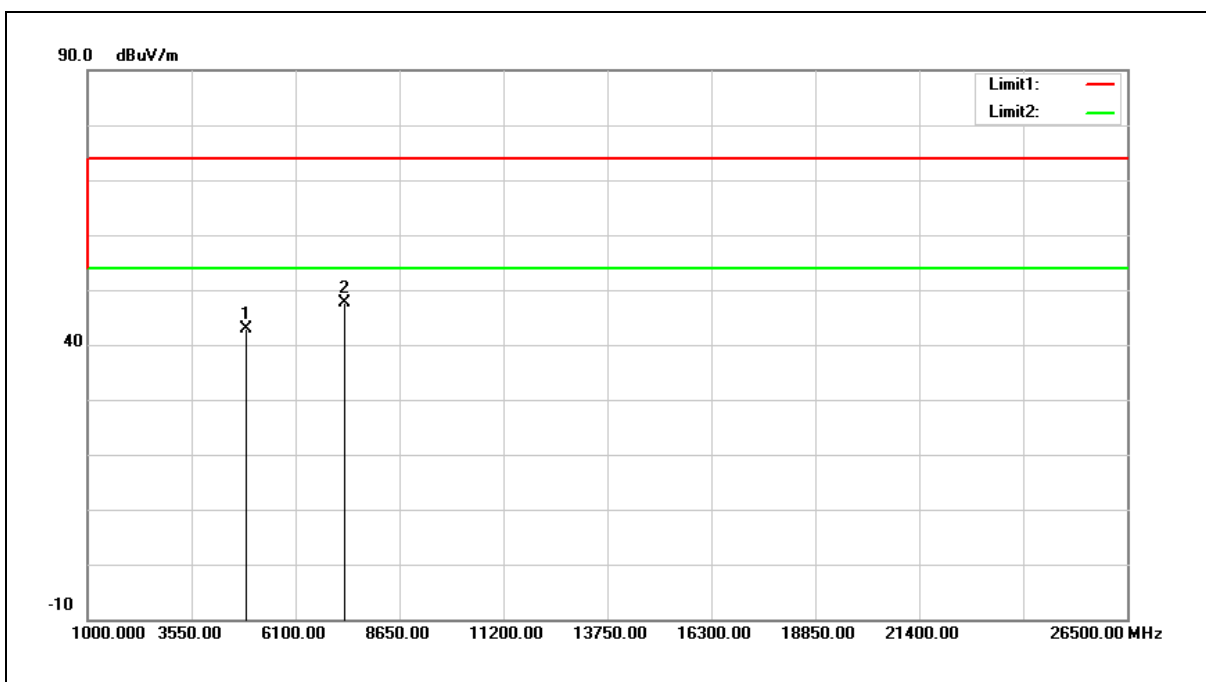
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	50.59	-8.66	41.93	74.00	-32.07	peak
2	7206.000	47.51	-1.20	46.31	74.00	-27.69	peak

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		
Frequency:	2440 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



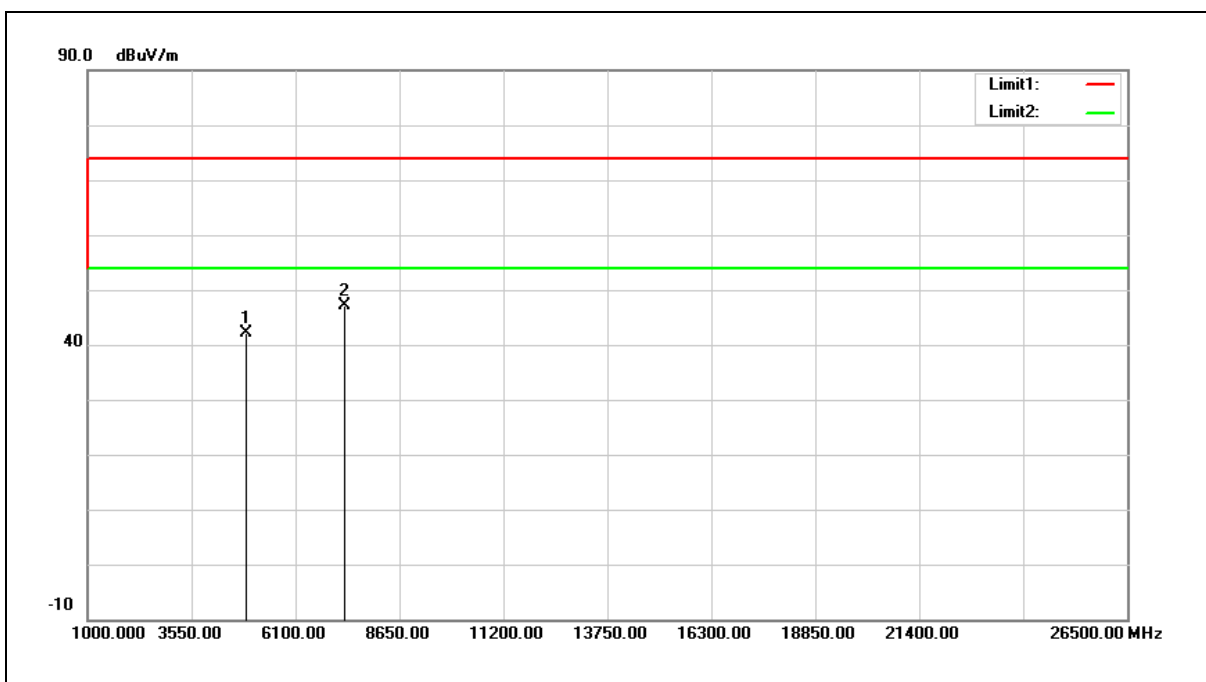
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4880.000	51.36	-8.45	42.91	74.00	-31.09	peak
2	7320.000	48.31	-0.69	47.62	74.00	-26.38	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2440 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		



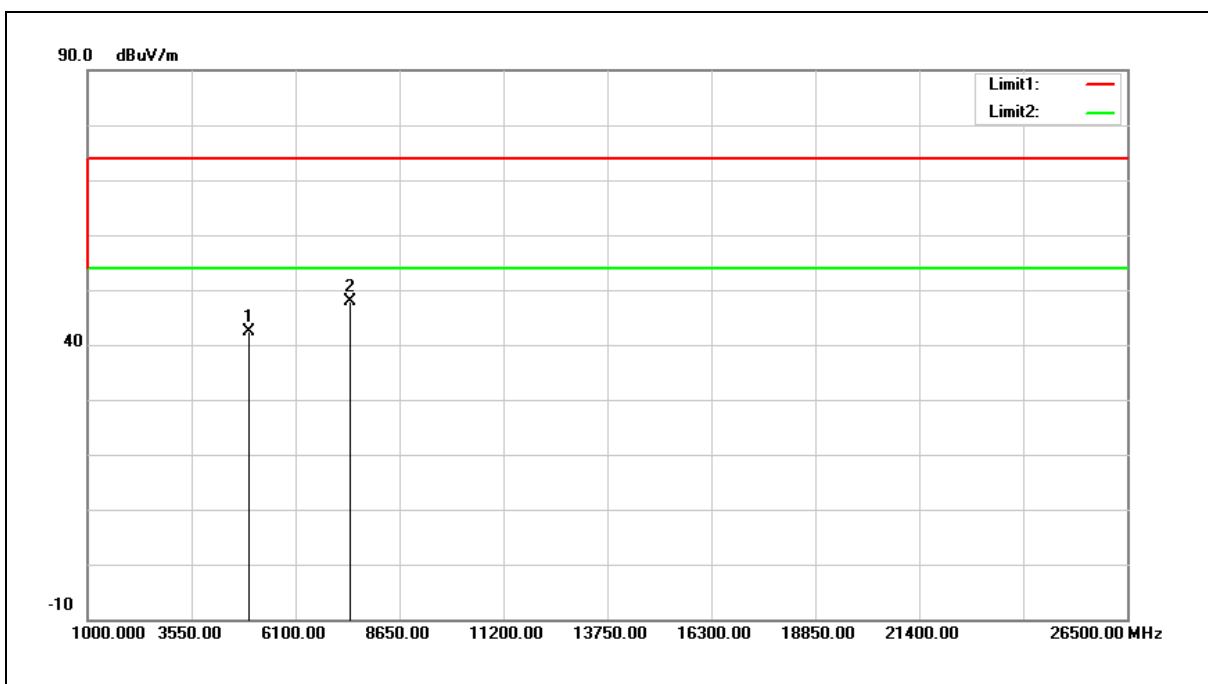
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4880.000	50.64	-8.45	42.19	74.00	-31.81	peak
2	7320.000	47.89	-0.69	47.20	74.00	-26.80	peak

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:	Harmonic		
Frequency:	2480 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



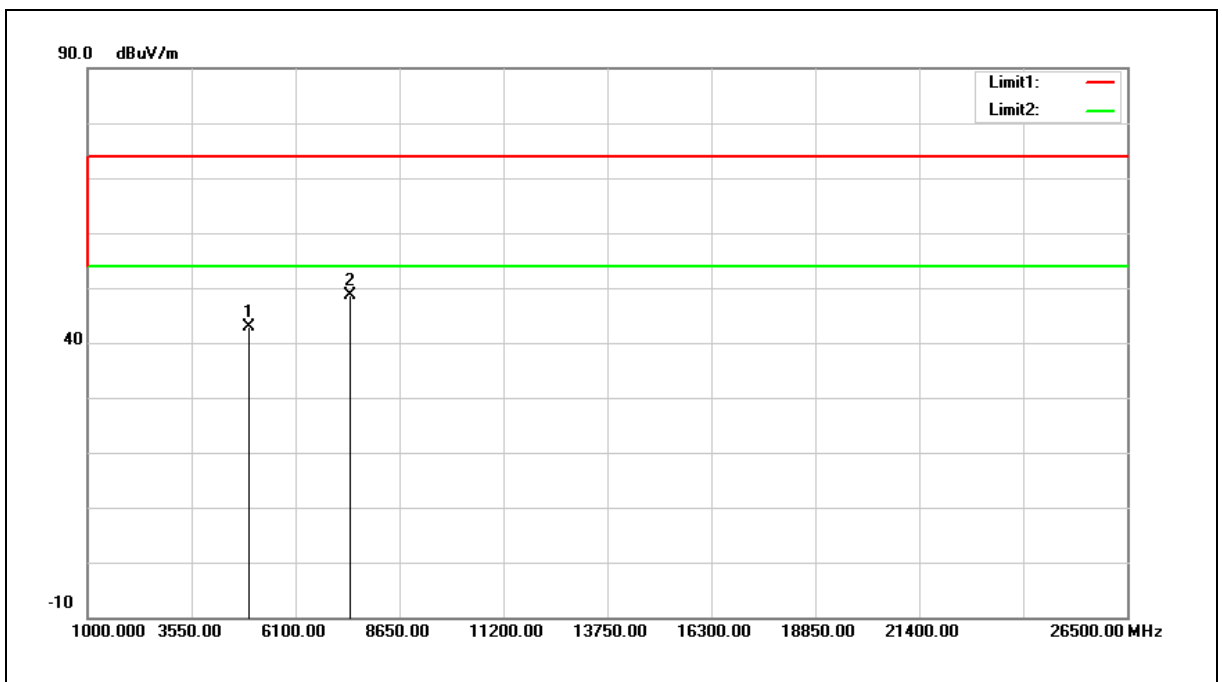
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	50.73	-8.26	42.47	74.00	-31.53	peak
2	7440.000	47.97	-0.14	47.83	74.00	-26.17	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2480 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		



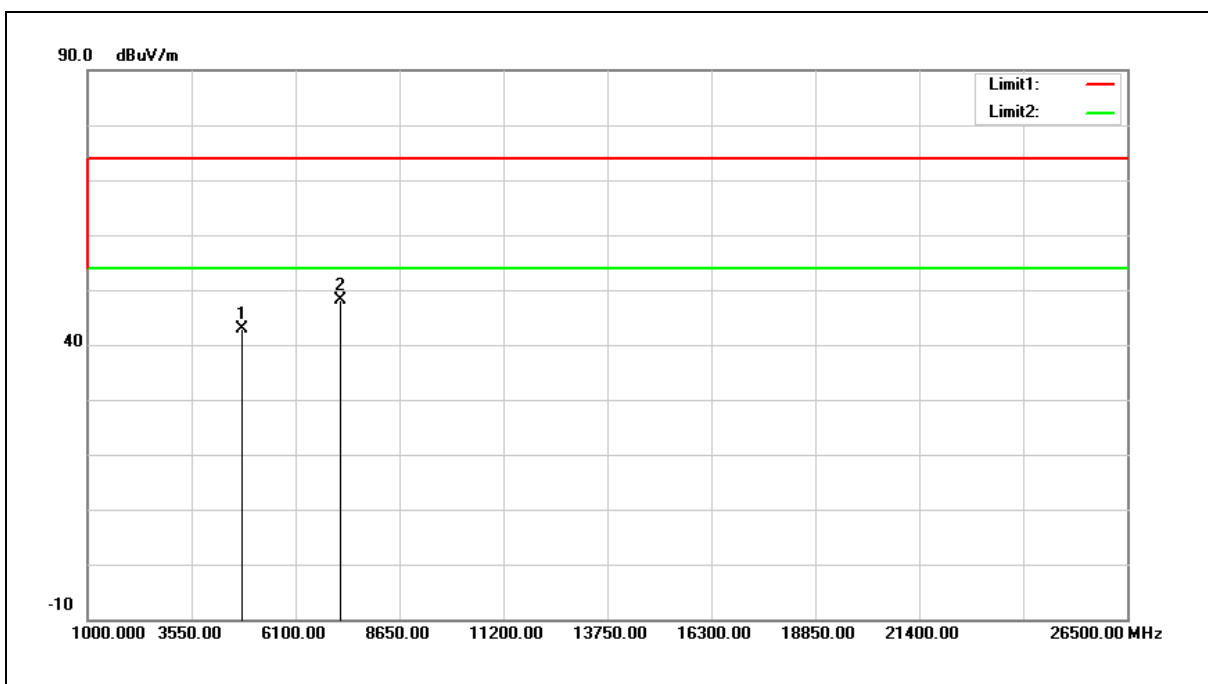
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	51.05	-8.26	42.79	74.00	-31.21	peak
2	7440.000	48.88	-0.14	48.74	74.00	-25.26	peak

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		
Frequency:	2402 MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



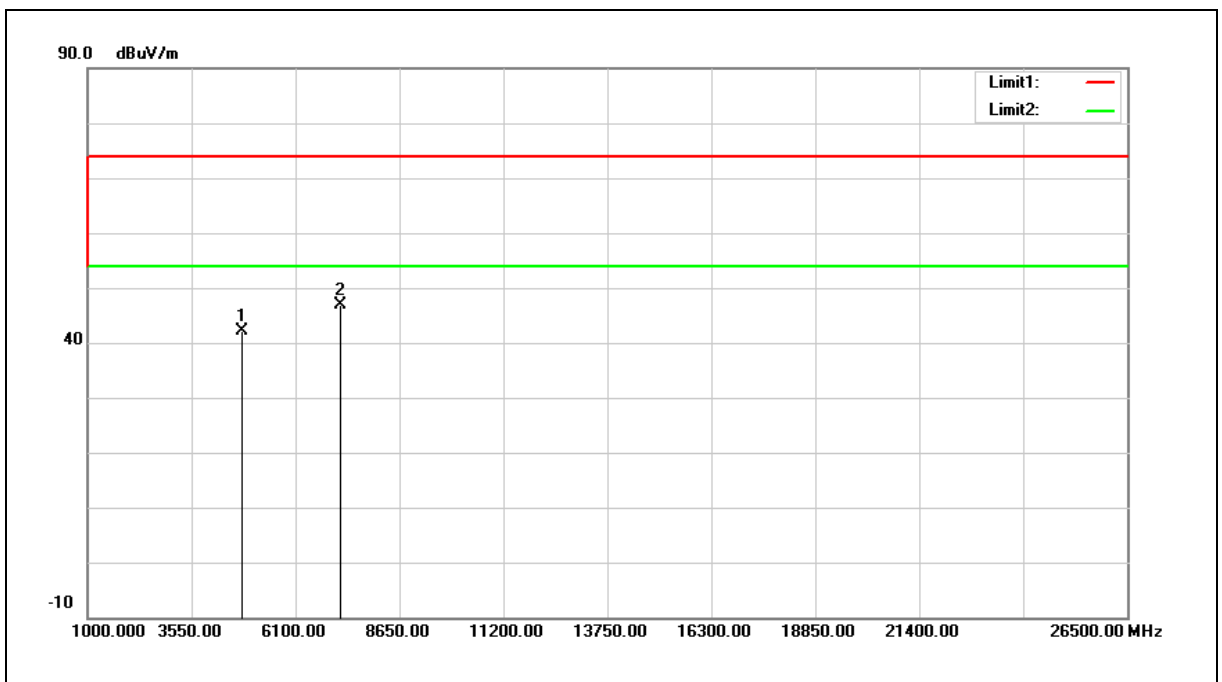
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	51.48	-8.66	42.82	74.00	-31.18	peak
2	7206.000	49.23	-1.20	48.03	74.00	-25.97	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2402 MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



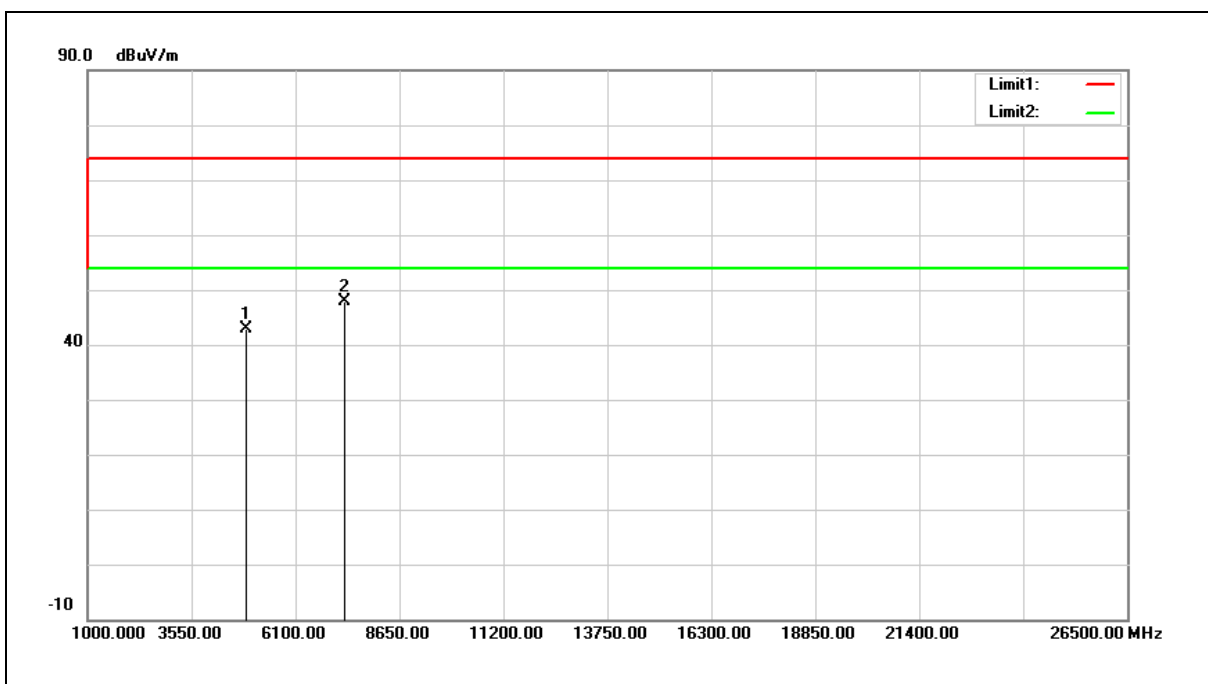
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	50.71	-8.66	42.05	74.00	-31.95	peak
2	7206.000	47.97	-1.20	46.77	74.00	-27.23	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2440 MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



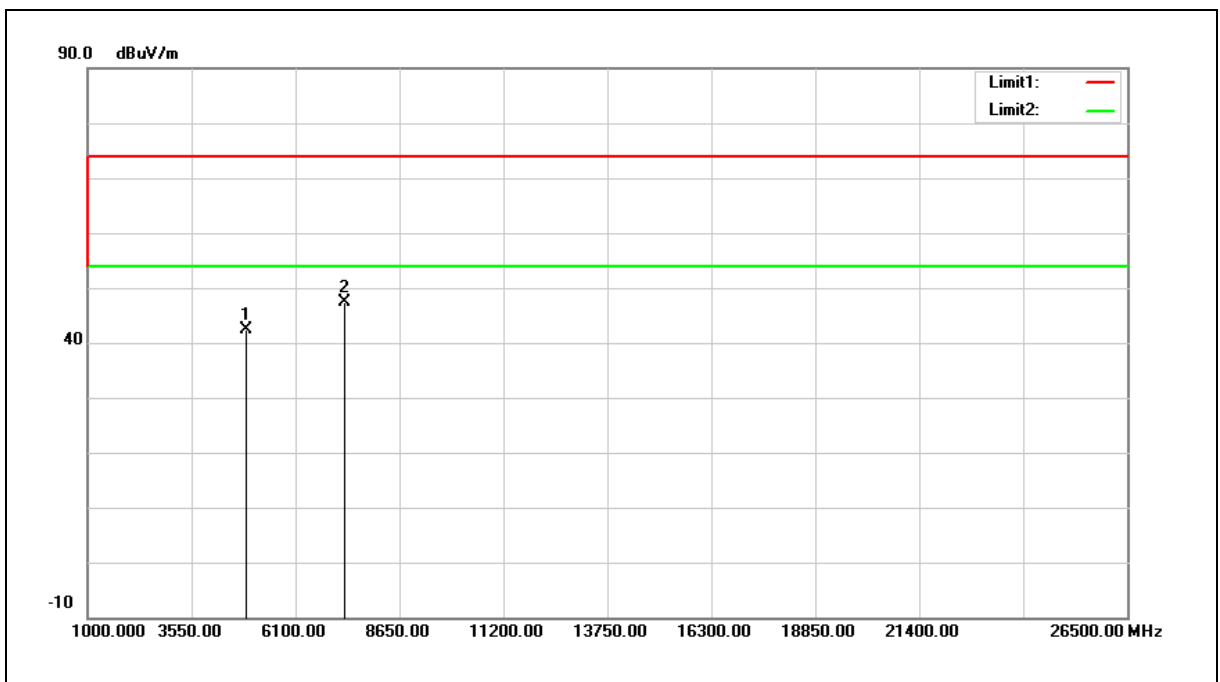
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4880.000	51.21	-8.45	42.76	74.00	-31.24	peak
2	7320.000	48.52	-0.69	47.83	74.00	-26.17	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2440 MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



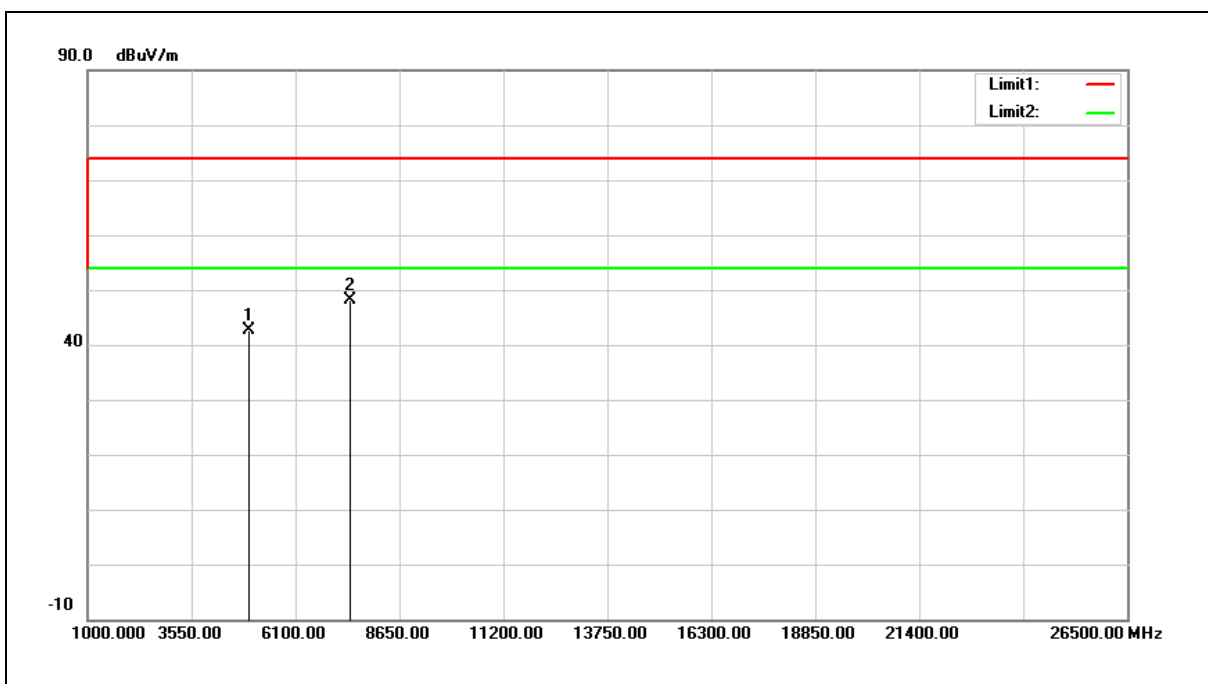
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4880.000	50.77	-8.45	42.32	74.00	-31.68	peak
2	7320.000	48.15	-0.69	47.46	74.00	-26.54	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2480 MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



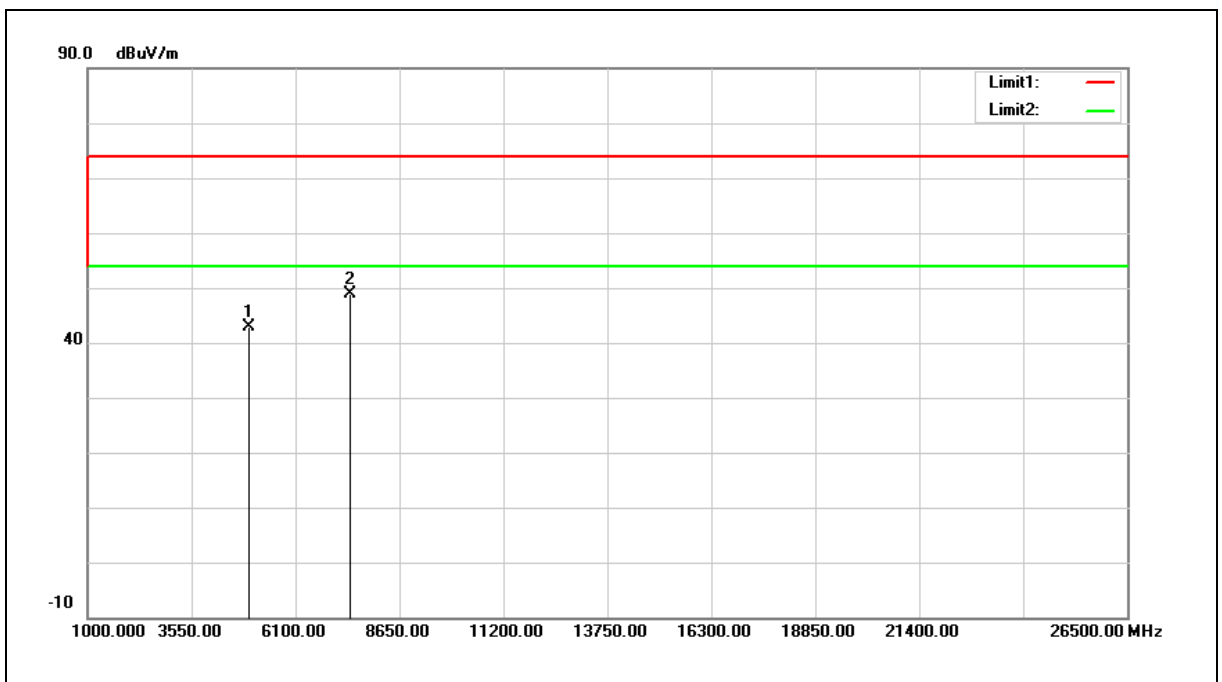
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	50.91	-8.26	42.65	74.00	-31.35	peak
2	7440.000	48.26	-0.14	48.12	74.00	-25.88	peak

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		
Frequency:	2480 MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



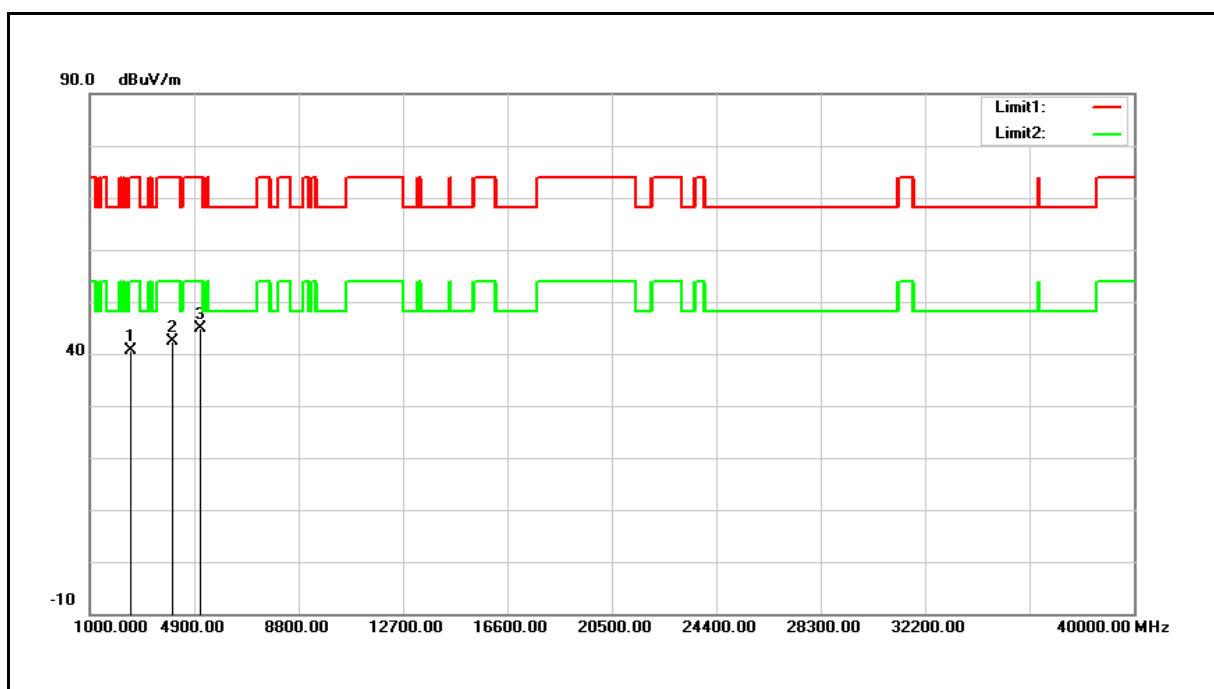
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	51.20	-8.26	42.94	74.00	-31.06	peak
2	7440.000	49.13	-0.14	48.99	74.00	-25.01	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Mode:	Simultaneous Transmitting		
	(Bluetooth + WLAN 2.4 GHz + 5 GHz)		
Ant.Polar.:	Horizontal		



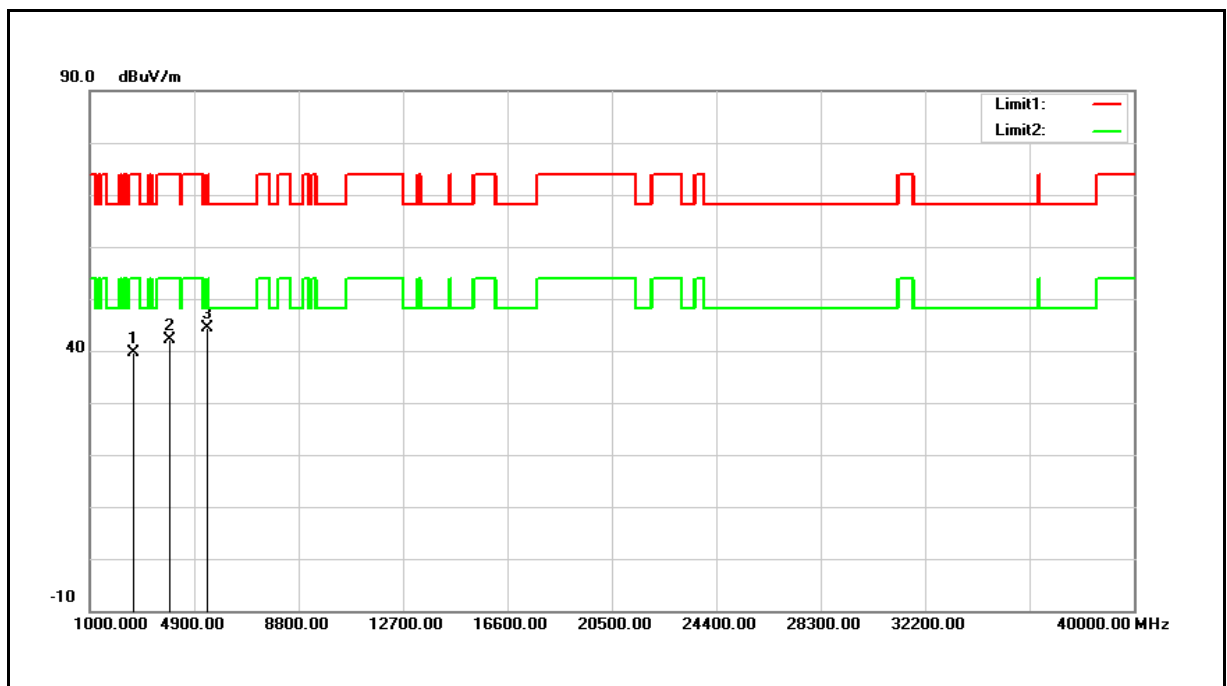
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2513.000	54.41	-13.88	40.53	74.00	-33.47	peak
2	4077.000	52.59	-10.11	42.48	74.00	-31.52	peak
3	5131.000	52.61	-7.74	44.87	74.00	-29.13	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Mode:	Simultaneous Transmitting		
	(Bluetooth + WLAN 2.4 GHz + 5 GHz)		
Ant.Polar.:	Vertical		



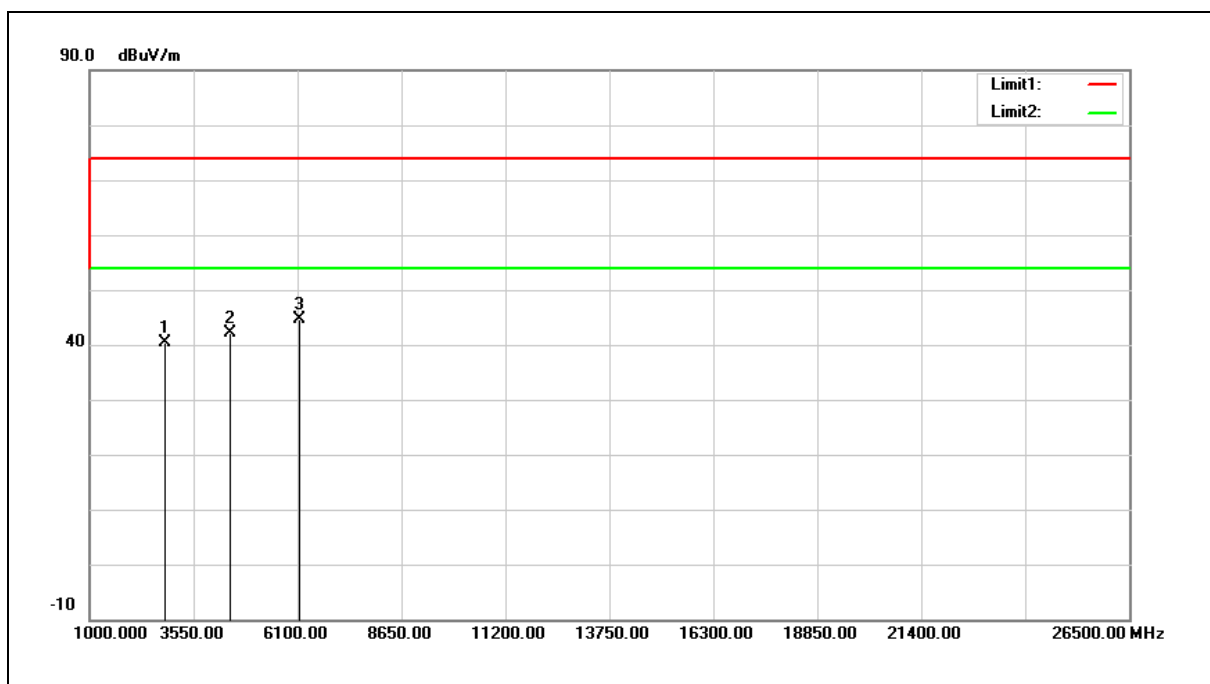
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2615.000	53.31	-13.59	39.72	74.00	-34.28	peak
2	4009.000	52.39	-10.21	42.18	74.00	-31.82	peak
3	5403.000	51.17	-6.91	44.26	74.00	-29.74	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Mode:	Mode 7		
Ant.Polar.:	Horizontal		
Description:			



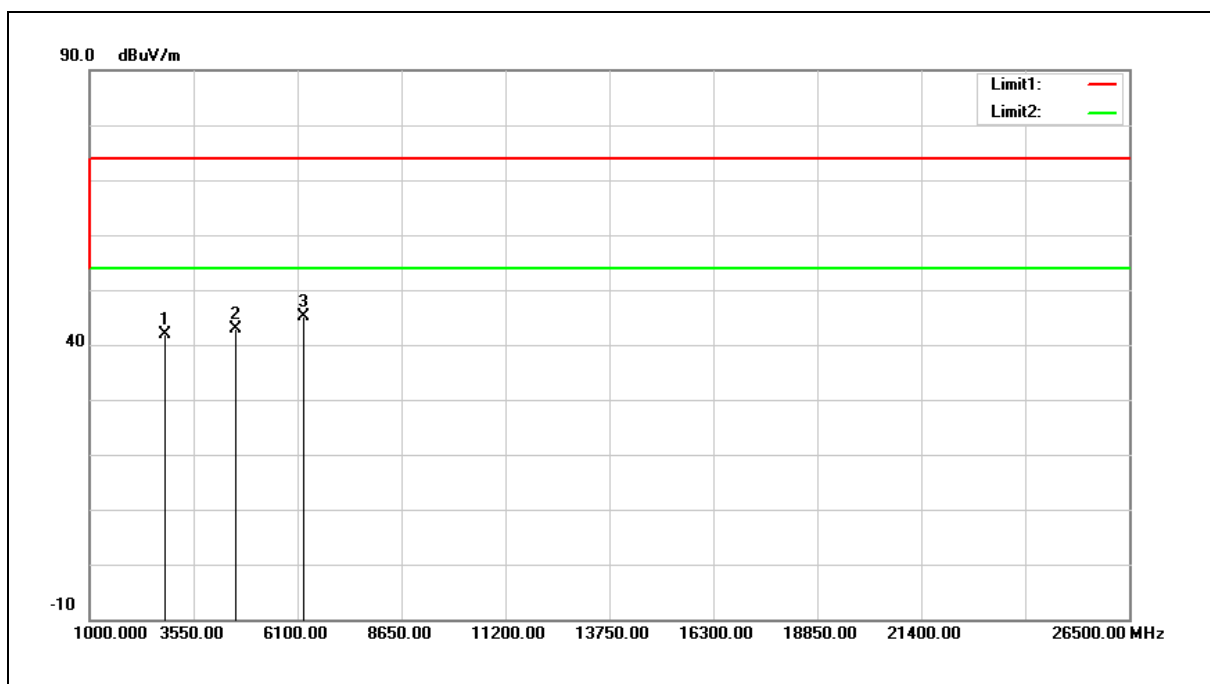
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2853.000	53.30	-12.93	40.37	74.00	-33.63	peak
2	4434.000	51.77	-9.56	42.21	74.00	-31.79	peak
3	6151.000	49.60	-5.00	44.60	74.00	-29.40	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Mode:	Mode 7		
Ant.Polar.:	Vertical		
Description:			



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2819.000	54.86	-13.02	41.84	74.00	-32.16	peak
2	4570.000	52.10	-9.27	42.83	74.00	-31.17	peak
3	6253.000	49.79	-4.64	45.15	74.00	-28.85	peak

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

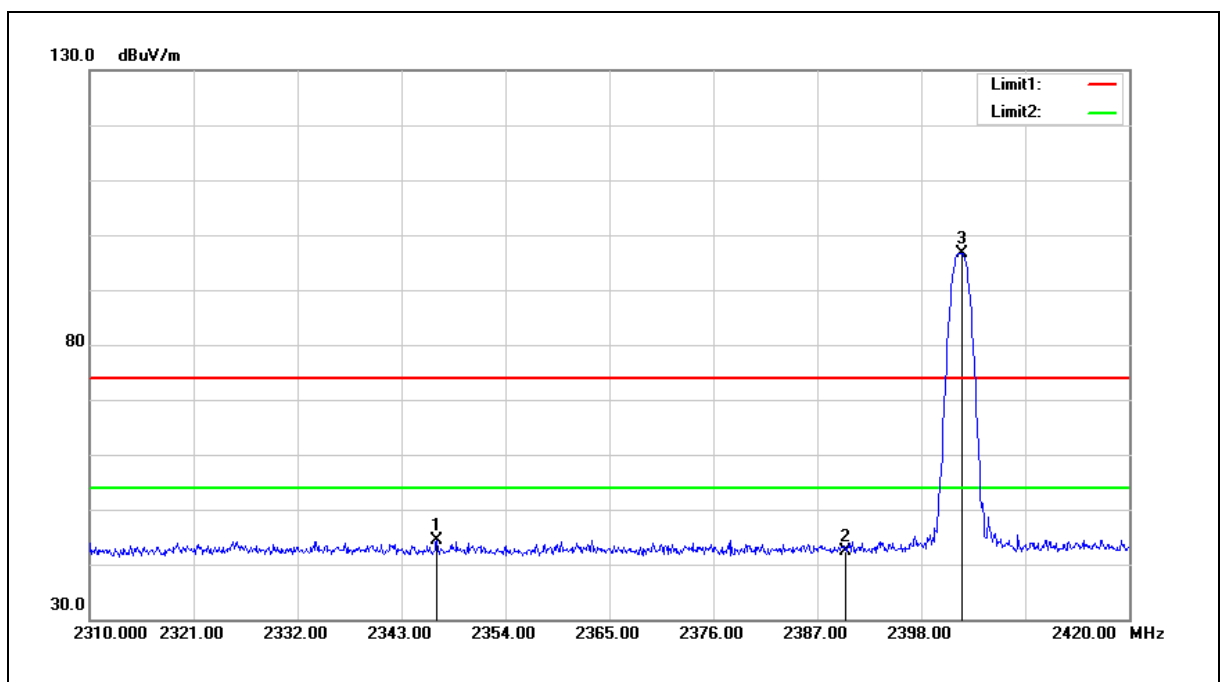
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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		
Frequency:	2402 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



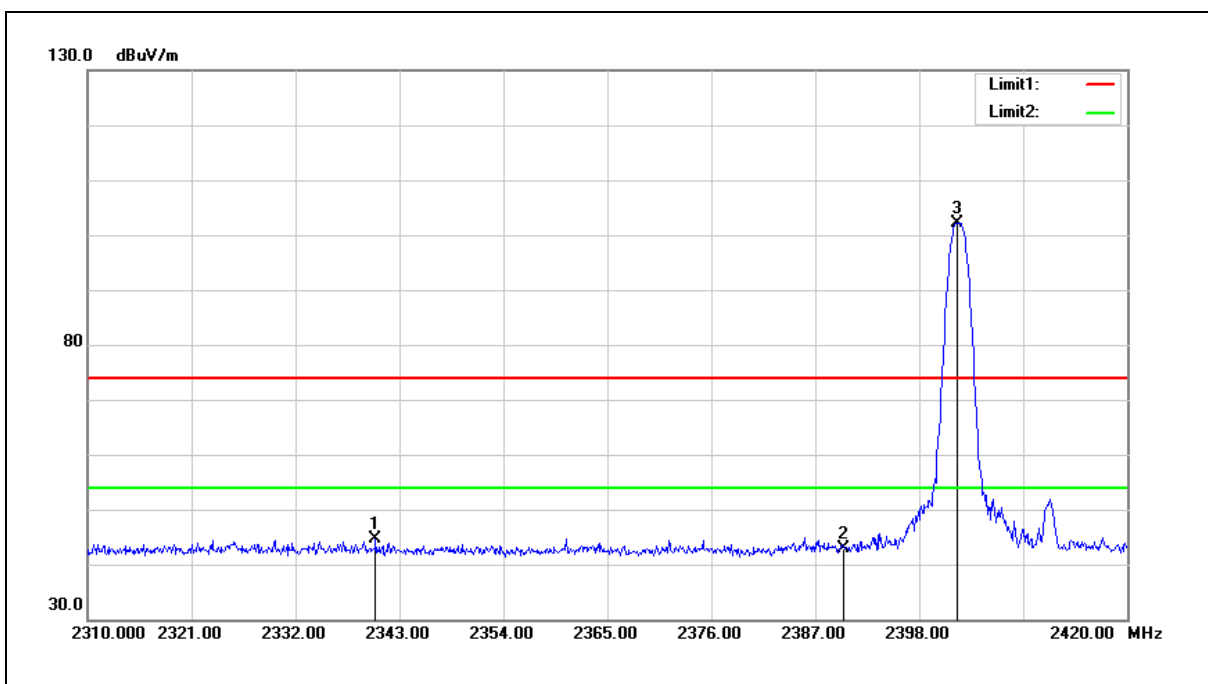
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2346.740	59.07	-14.70	44.37	74.00	-29.63	peak
2	2390.000	56.95	-14.48	42.47	74.00	-31.53	peak
3	2402.290	111.15	-14.42	96.73	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2402 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



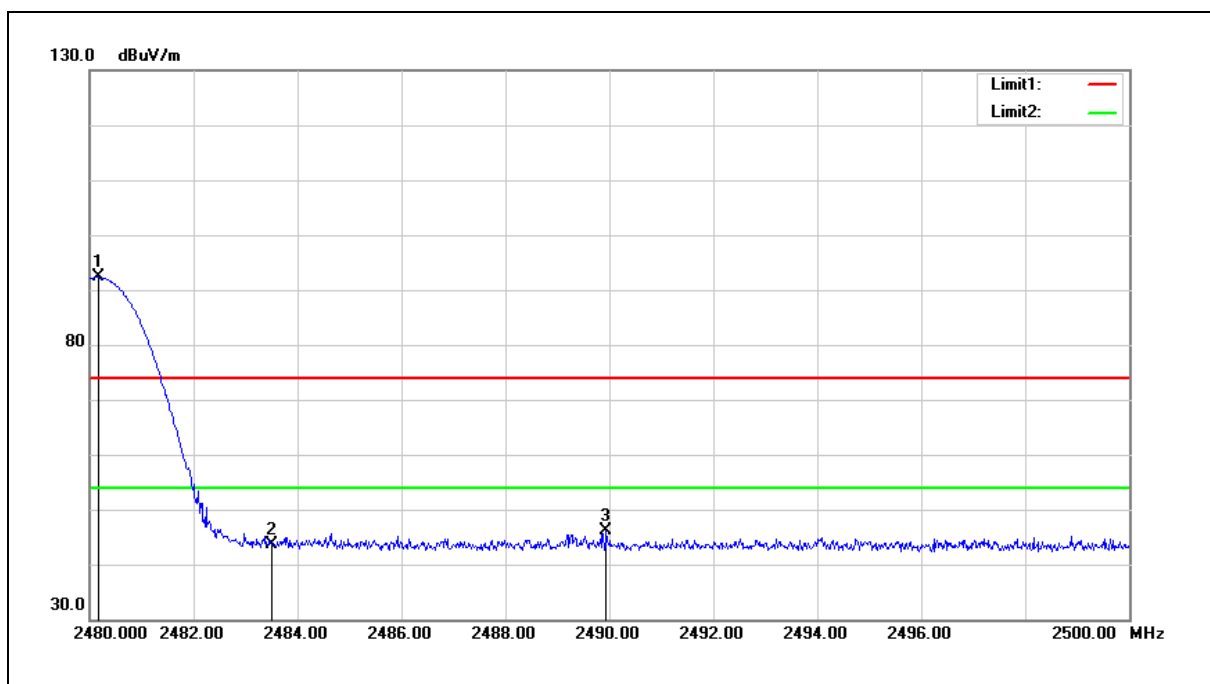
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2340.470	59.31	-14.73	44.58	74.00	-29.42	peak
2	2390.000	57.36	-14.48	42.88	74.00	-31.12	peak
3	2402.070	116.64	-14.42	102.22	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2480 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



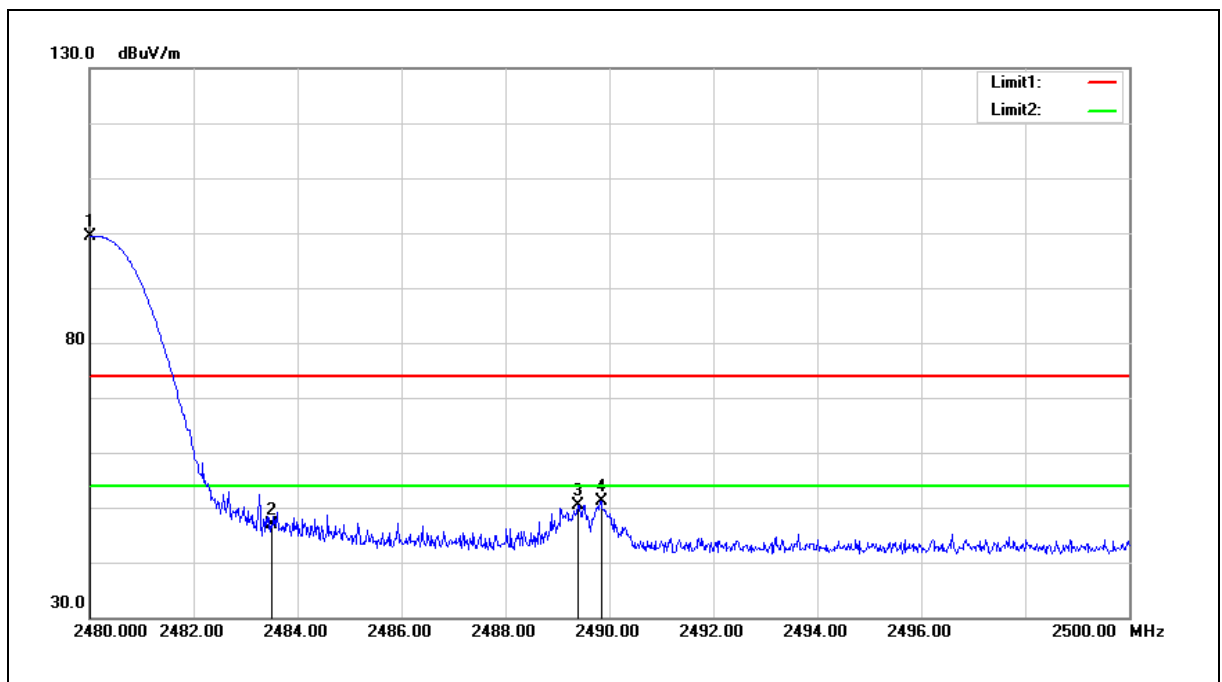
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2480.160	106.31	-14.02	92.29	--	--	peak
2	2483.500	57.58	-14.01	43.57	74.00	-30.43	peak
3	2489.940	60.11	-13.97	46.14	74.00	-27.86	peak

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:	Band edge		
Frequency:	2480 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



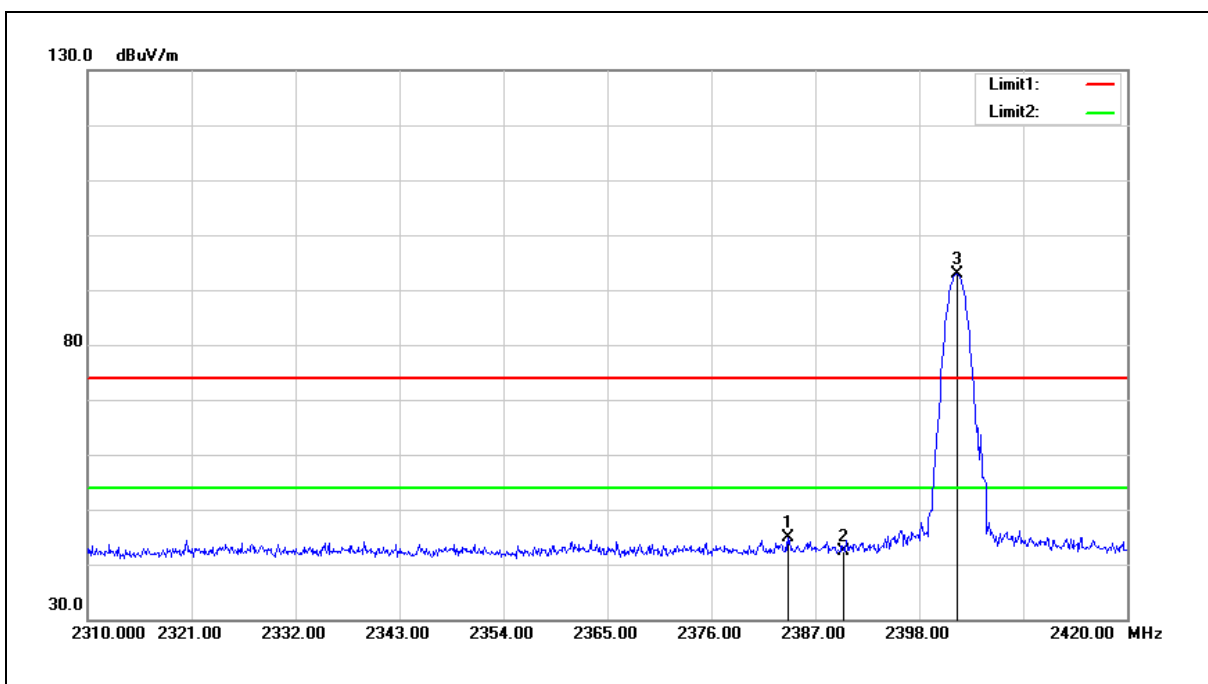
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2480.000	113.39	-14.02	99.37	--	--	peak
2	2483.500	60.91	-14.01	46.90	74.00	-27.10	peak
3	2489.400	64.33	-13.98	50.35	74.00	-23.65	peak
4	2489.840	65.14	-13.97	51.17	74.00	-22.83	peak

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:	Band edge		
Frequency:	2402 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



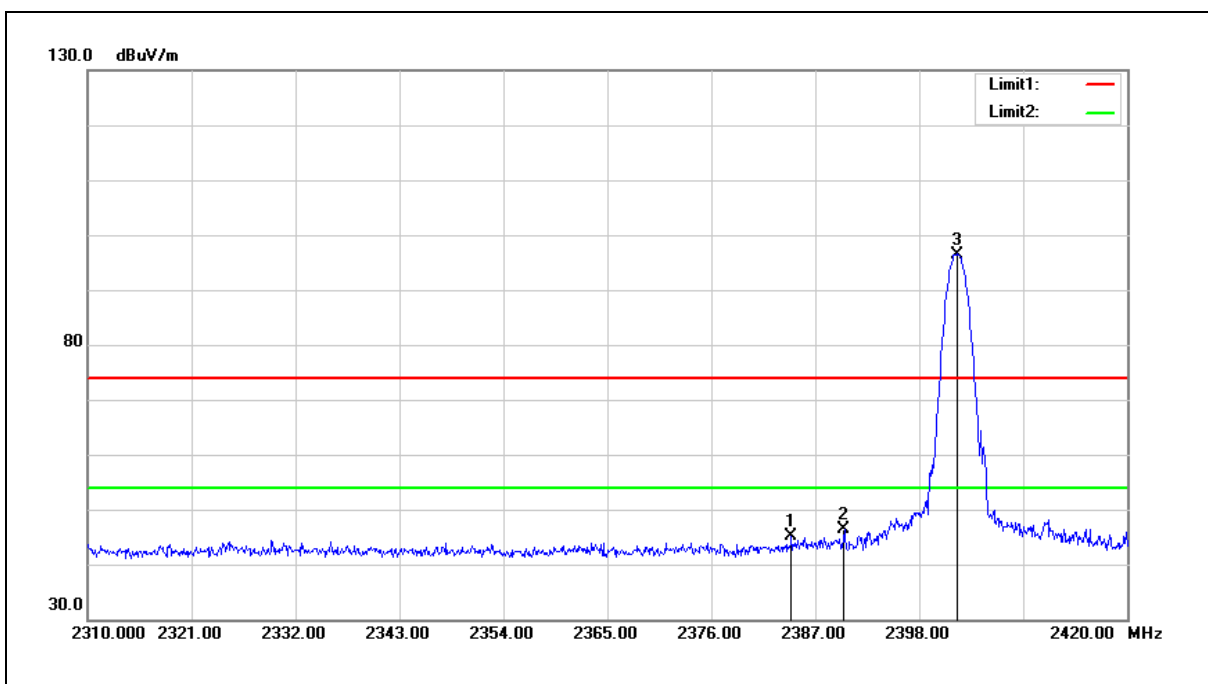
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2384.140	59.27	-14.51	44.76	74.00	-29.24	peak
2	2390.000	56.96	-14.48	42.48	74.00	-31.52	peak
3	2401.960	107.28	-14.42	92.86	--	--	peak

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:	Band edge		
Frequency:	2402 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



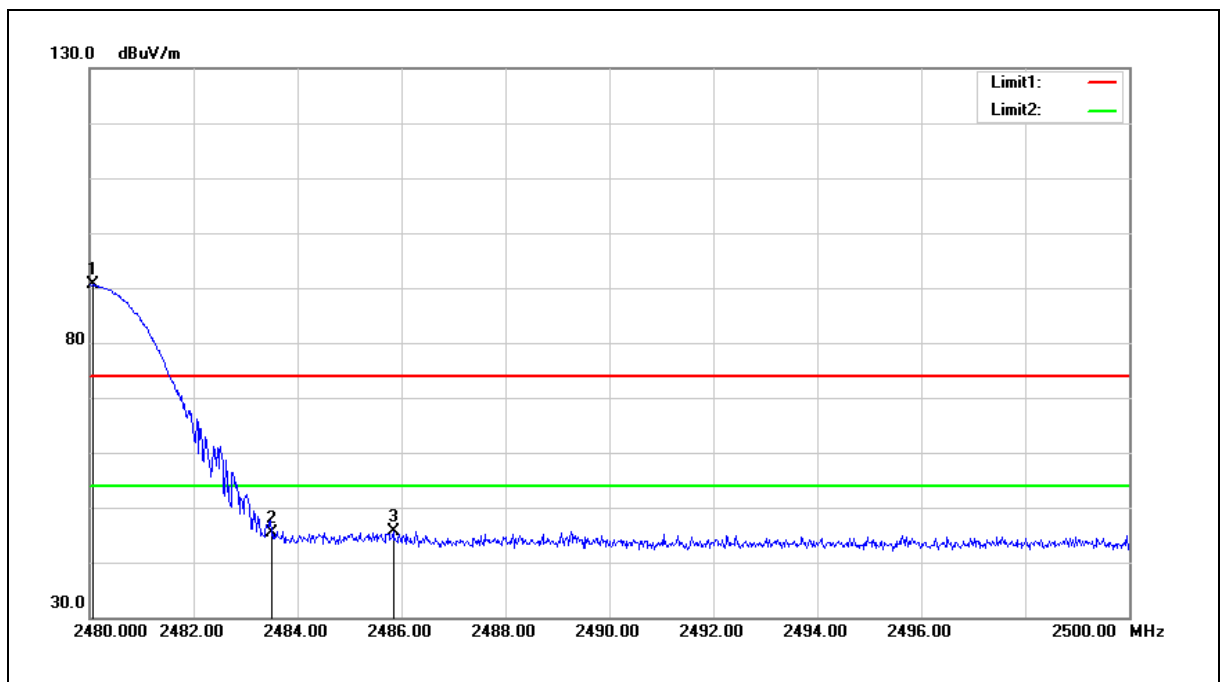
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2384.470	59.53	-14.51	45.02	74.00	-28.98	peak
2	2390.000	60.85	-14.48	46.37	74.00	-27.63	peak
3	2401.960	110.92	-14.42	96.50	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2480 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



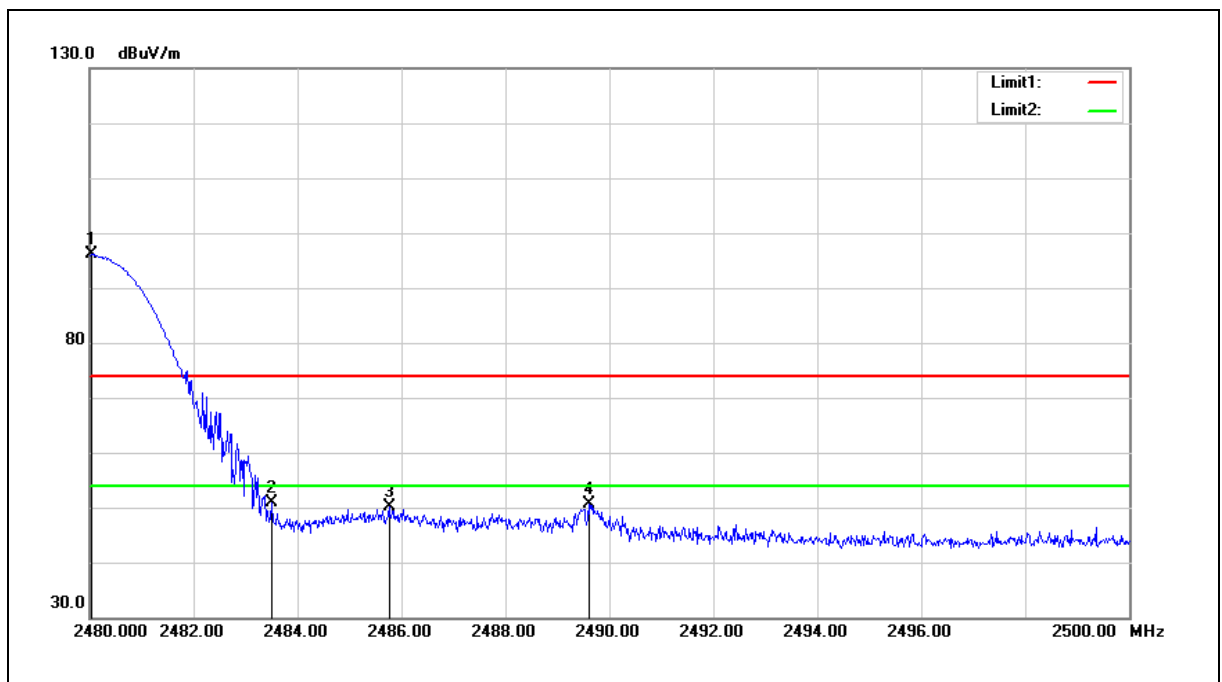
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2480.060	104.58	-14.02	90.56	--	--	peak
2	2483.500	59.43	-14.01	45.42	74.00	-28.58	peak
3	2485.840	59.64	-13.99	45.65	74.00	-28.35	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2480 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



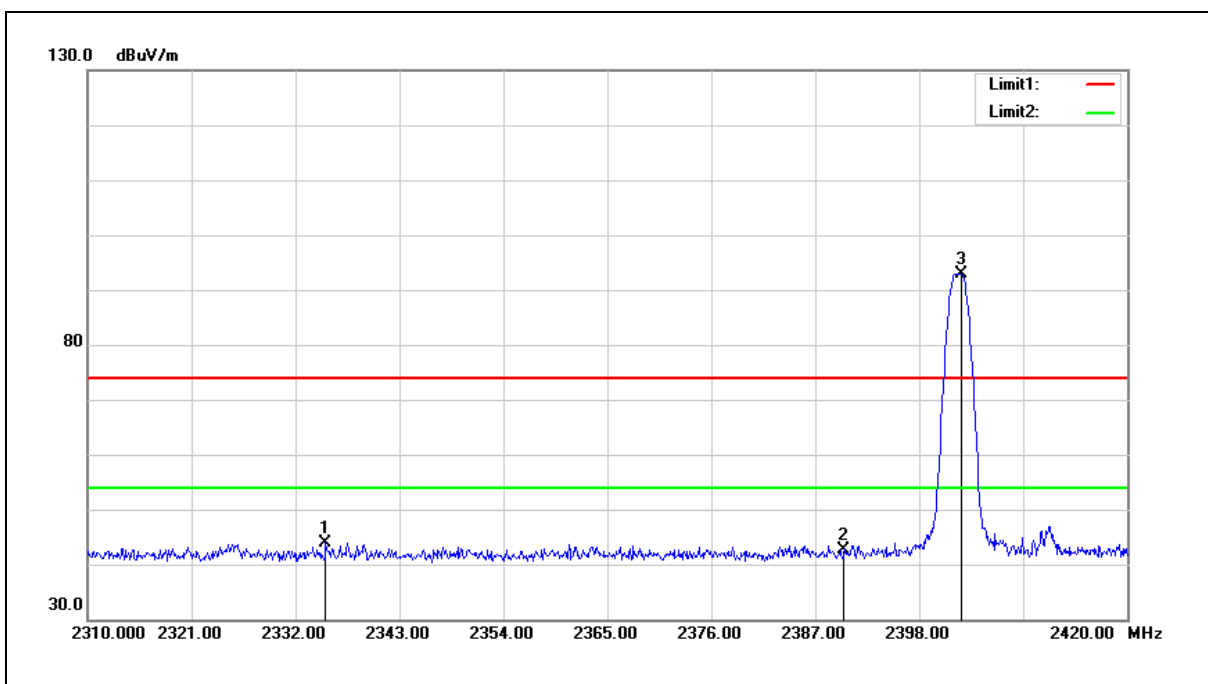
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2480.040	110.07	-14.02	96.05	--	--	peak
2	2483.500	64.98	-14.01	50.97	74.00	-23.03	peak
3	2485.760	64.02	-13.99	50.03	74.00	-23.97	peak
4	2489.600	64.72	-13.98	50.74	74.00	-23.26	peak

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:	Band edge		
Frequency:	2402 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



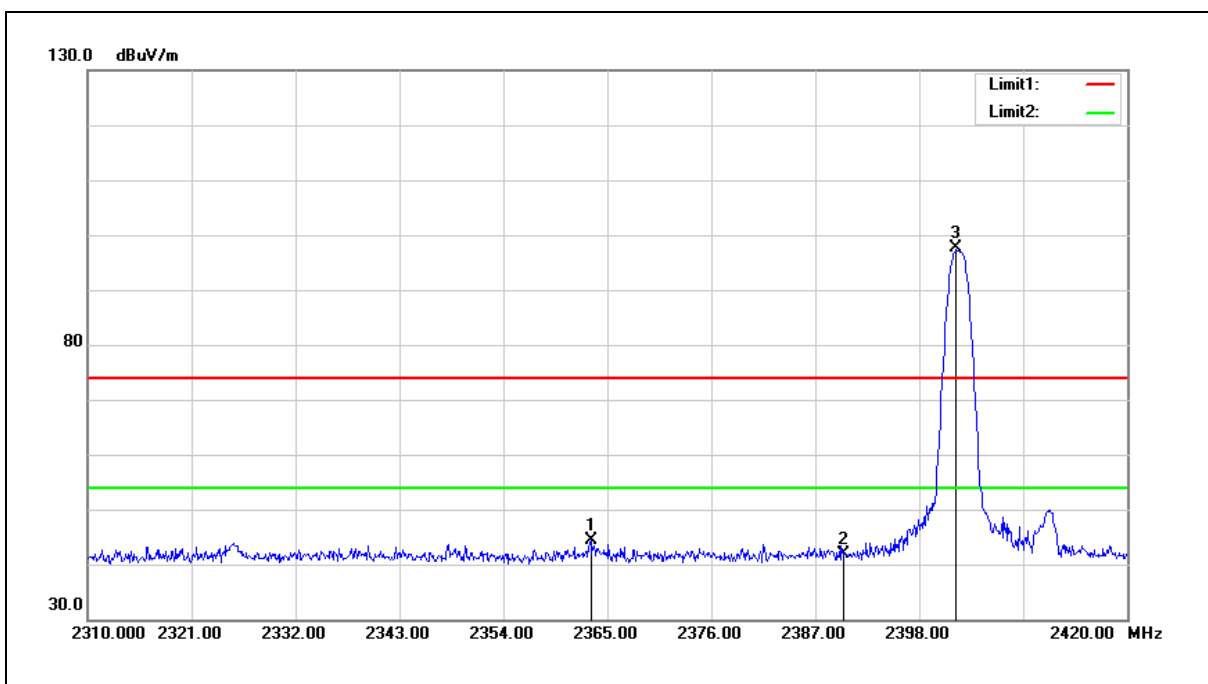
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2335.190	58.57	-14.76	43.81	74.00	-30.19	peak
2	2390.000	57.21	-14.48	42.73	74.00	-31.27	peak
3	2402.400	107.39	-14.42	92.97	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2402 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		



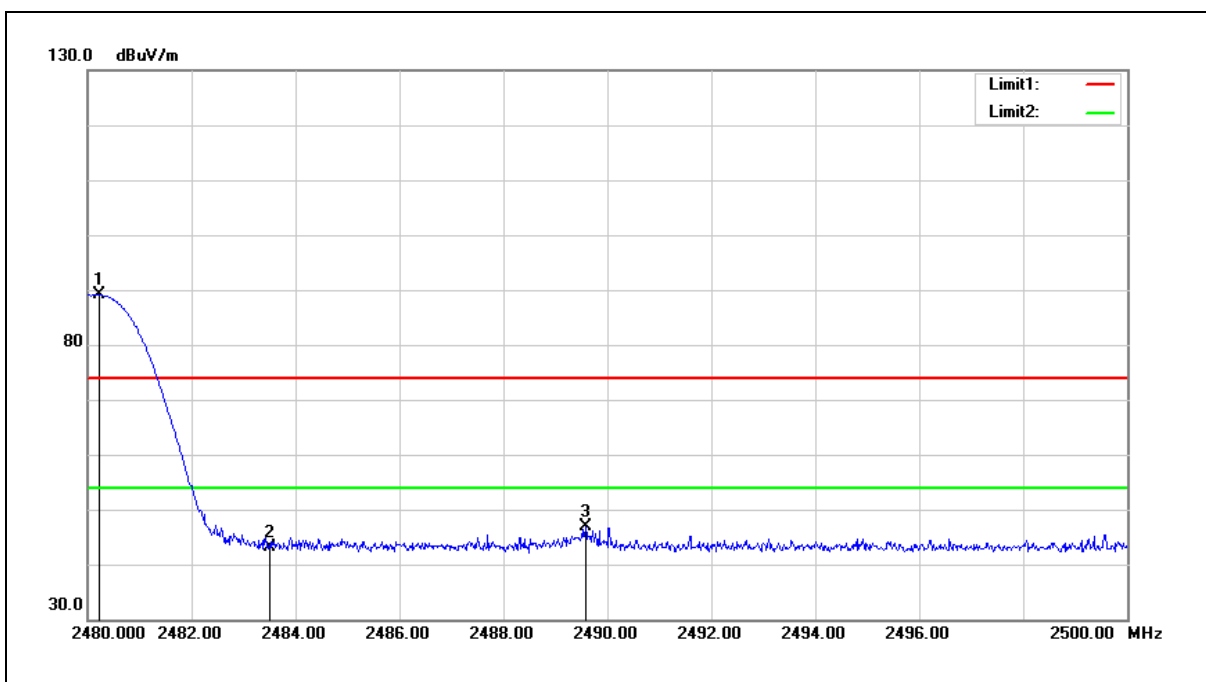
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2363.240	59.10	-14.62	44.48	74.00	-29.52	peak
2	2390.000	56.31	-14.48	41.83	74.00	-32.17	peak
3	2401.850	111.97	-14.42	97.55	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2480 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



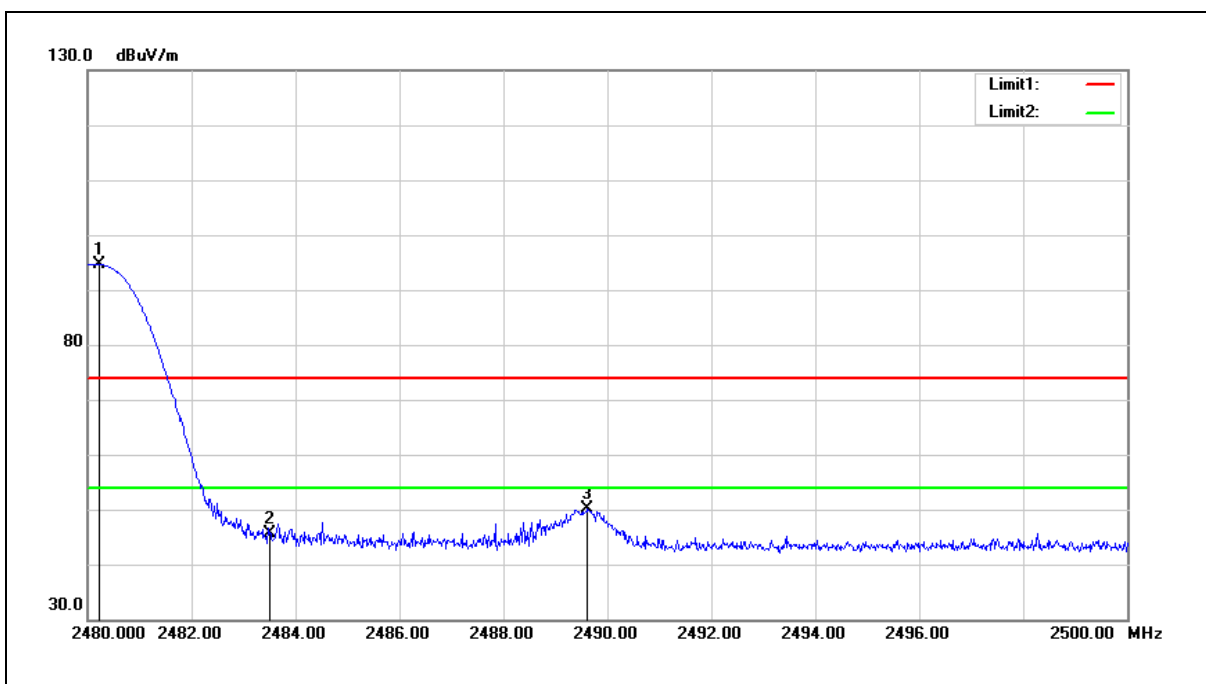
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2480.220	103.08	-14.02	89.06	---	---	peak
2	2483.500	57.10	-14.01	43.09	74.00	-30.91	peak
3	2489.580	60.97	-13.98	46.99	74.00	-27.01	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2480 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		



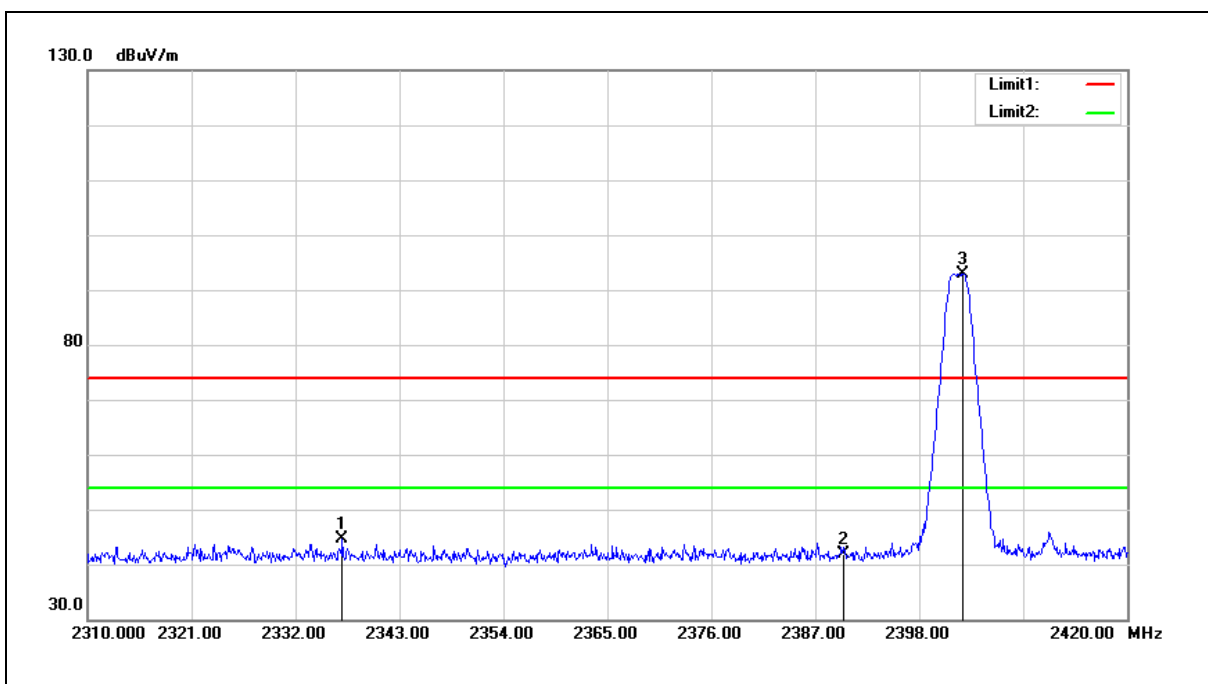
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2480.220	108.60	-14.02	94.58	---	---	peak
2	2483.500	59.60	-14.01	45.59	74.00	-28.41	peak
3	2489.620	64.08	-13.98	50.10	74.00	-23.90	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2402 MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



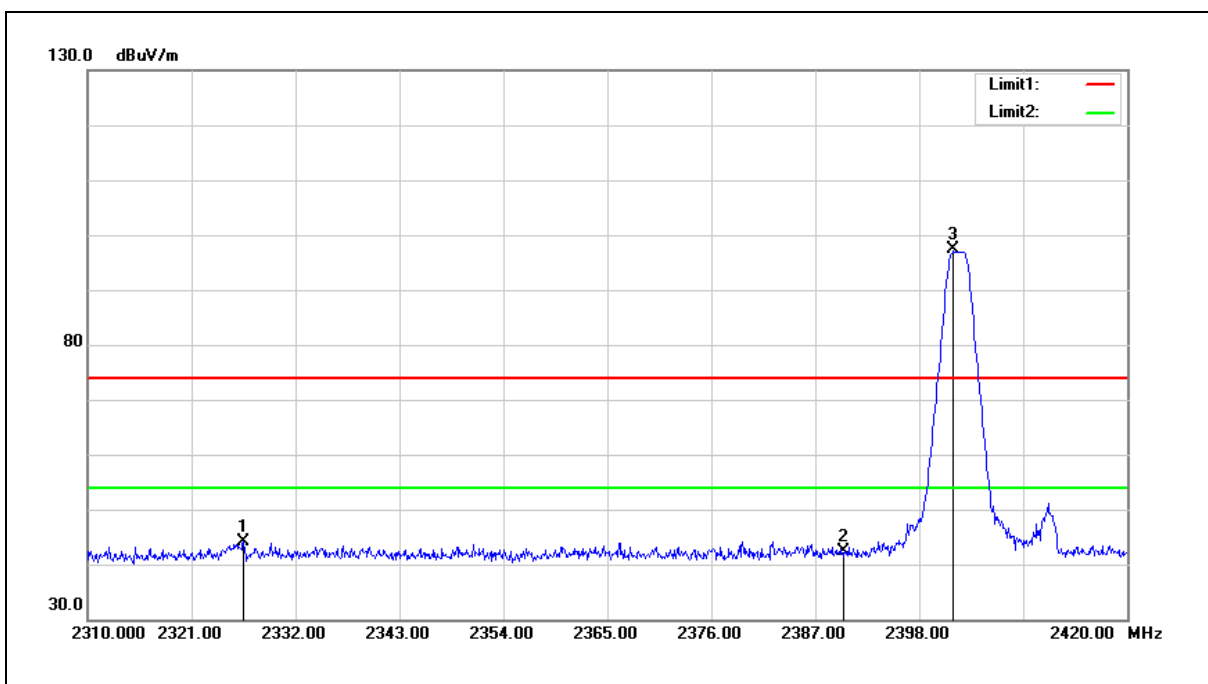
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2336.950	59.32	-14.75	44.57	74.00	-29.43	peak
2	2390.000	56.44	-14.48	41.96	74.00	-32.04	peak
3	2402.620	107.33	-14.42	92.91	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2402 MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



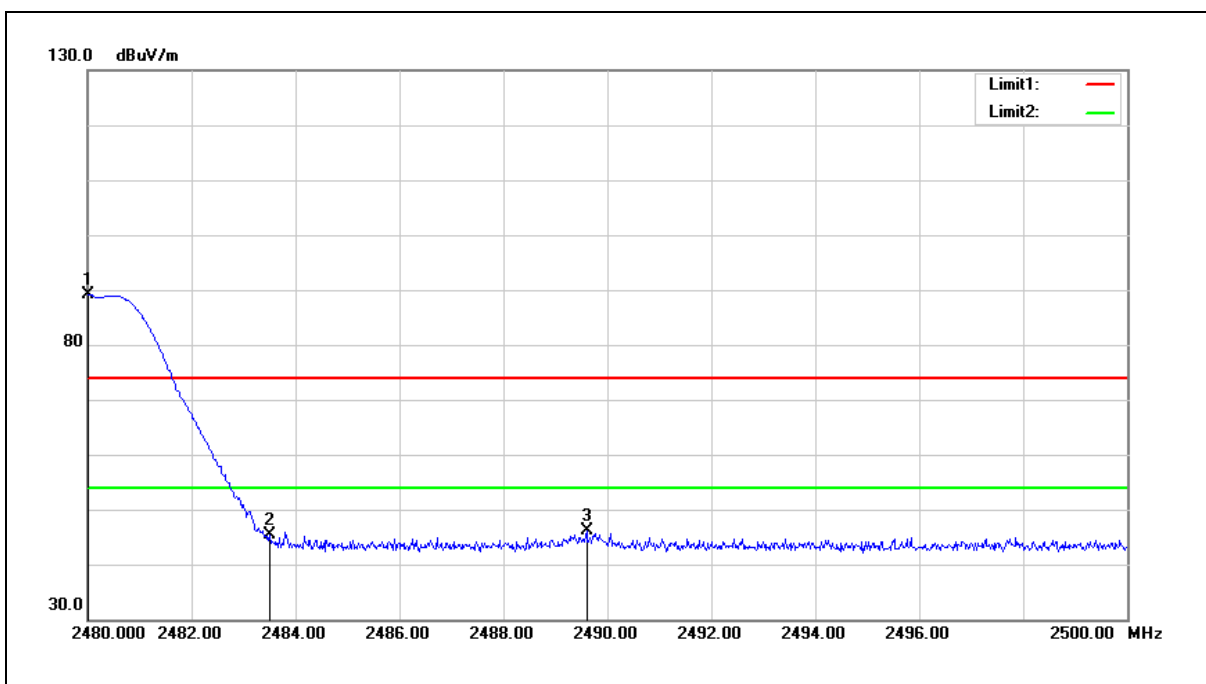
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2326.500	58.83	-14.81	44.02	74.00	-29.98	peak
2	2390.000	56.86	-14.48	42.38	74.00	-31.62	peak
3	2401.630	111.73	-14.42	97.31	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2480 MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



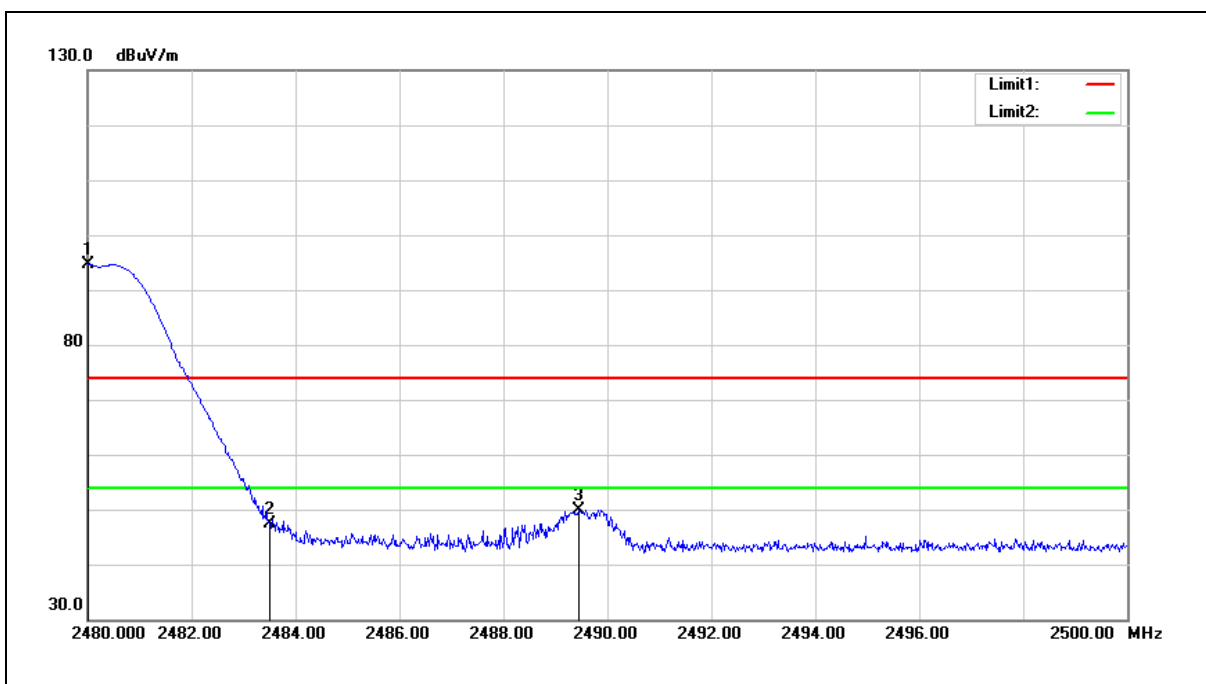
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2480.000	103.11	-14.02	89.09	--	--	peak
2	2483.500	59.35	-14.01	45.34	74.00	-28.66	peak
3	2489.600	60.17	-13.98	46.19	74.00	-27.81	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2480 MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2480.000	108.70	-14.02	94.68	--	--	peak
2	2483.500	61.29	-14.01	47.28	74.00	-26.72	peak
3	2489.460	63.96	-13.98	49.98	74.00	-24.02	peak

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

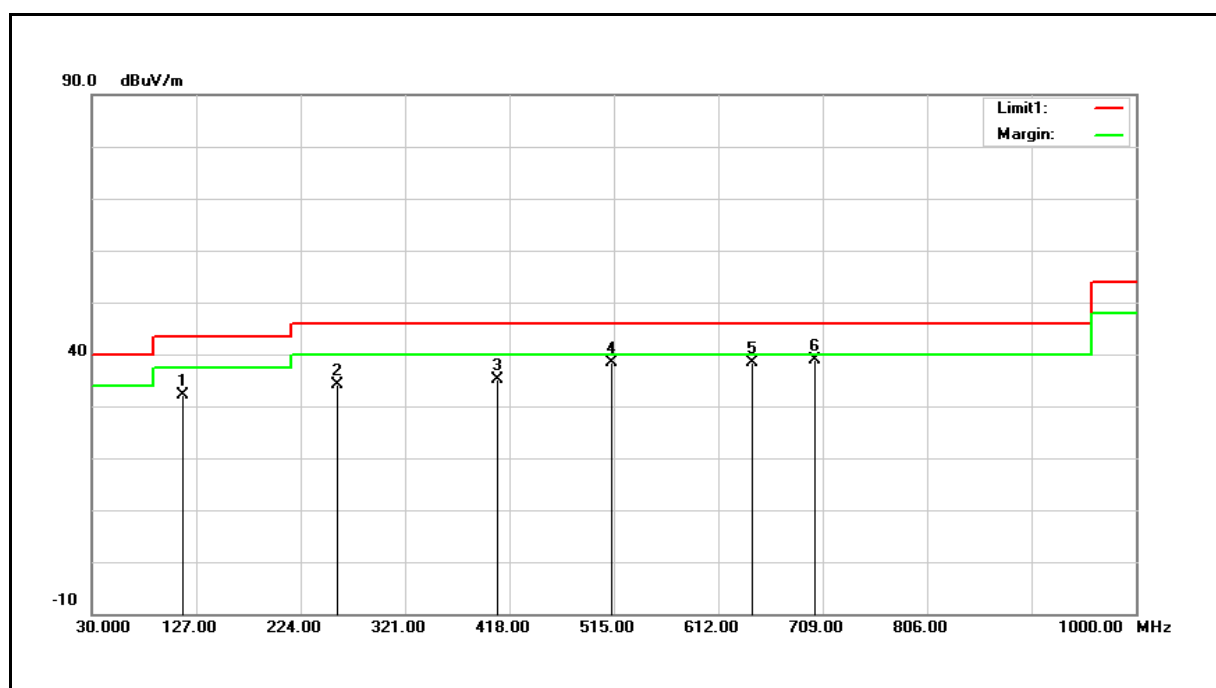
2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) - Pre-Amplifier gain (dB).

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

With Display

其它不必要之訊號 (1 GHz 以下)

Standard:	LP0002	Test Distance:	3 m
Test item:	Radiated Emission		
Frequency:	2402 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	114.3900	41.08	-8.89	32.19	43.50	-11.31	QP
2	257.9500	39.83	-5.66	34.17	46.00	-11.83	QP
3	406.3600	36.93	-1.91	35.02	46.00	-10.98	QP
4	513.0600	38.15	0.17	38.32	46.00	-7.68	QP
5	644.0100	35.52	2.86	38.38	46.00	-7.62	QP
6	701.2400	34.81	3.96	38.77	46.00	-7.23	QP

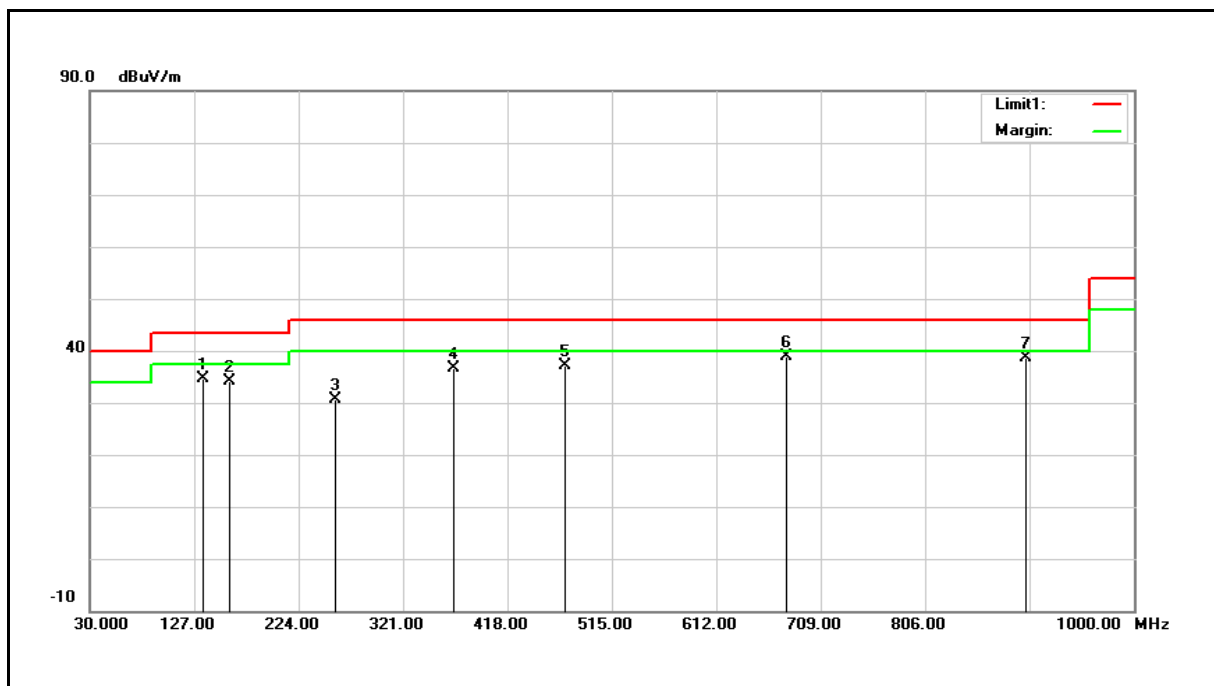
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 32.19 = -8.89 + 41.08

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Radiated Emission		
Frequency:	2402 MHz		
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	135.7300	41.30	-6.72	34.58	43.50	-8.92	QP
2	159.9800	39.66	-5.41	34.25	43.50	-9.25	QP
3	257.9500	36.30	-5.66	30.64	46.00	-15.36	QP
4	367.5600	39.45	-2.94	36.51	46.00	-9.49	QP
5	471.3500	37.51	-0.46	37.05	46.00	-8.95	QP
6	676.9900	35.48	3.47	38.95	46.00	-7.05	QP
7	900.0900	30.95	7.59	38.54	46.00	-7.46	

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

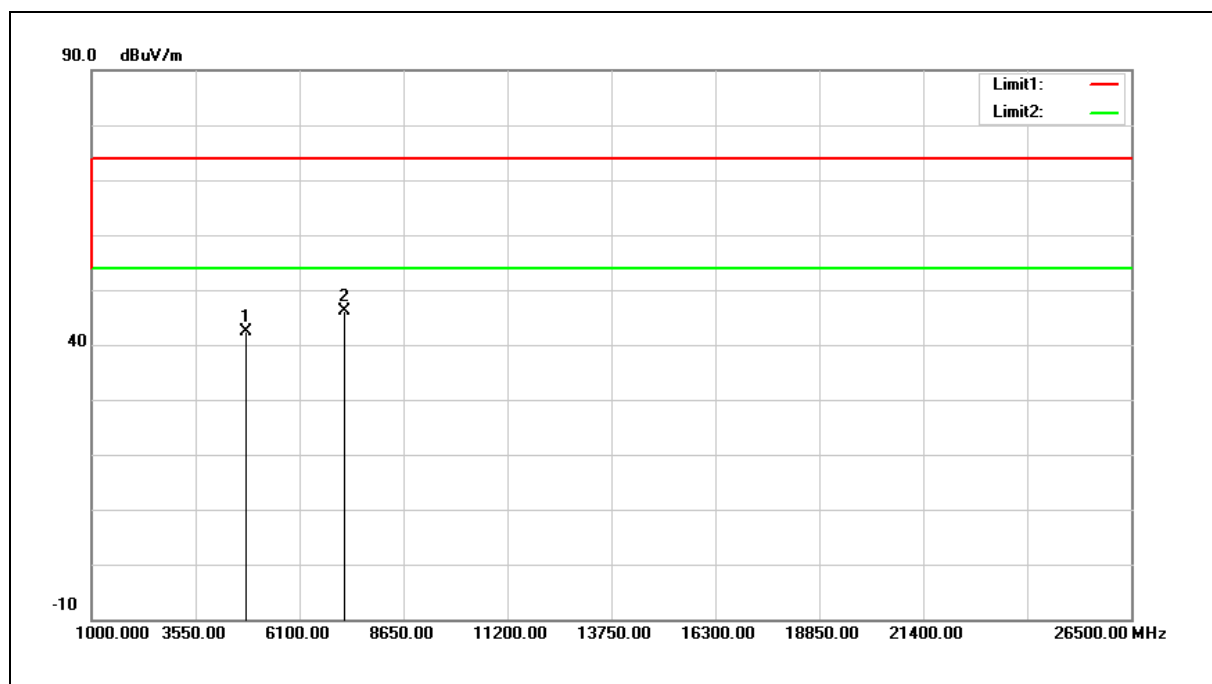
Example: $34.58 = -6.72 + 41.30$

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

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

場強輻射量測 (1 GHz 以上)

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2402 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	51.15	-8.66	42.49	74.00	-31.51	peak
2	7206.000	47.35	-1.20	46.15	74.00	-27.85	peak

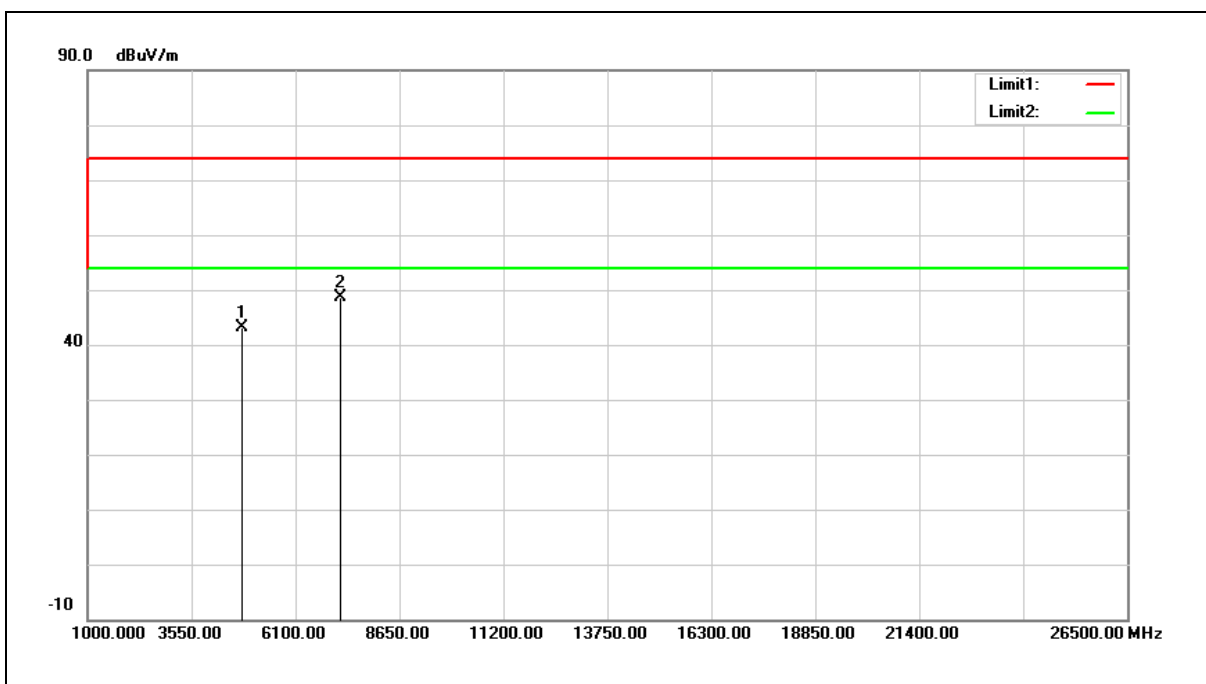
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: $42.49 = -8.66 + 51.15$

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2402 MHz		
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	4804.000	51.67	-8.66	43.01	74.00	-30.99	peak
2	7206.000	49.82	-1.20	48.62	74.00	-25.38	peak

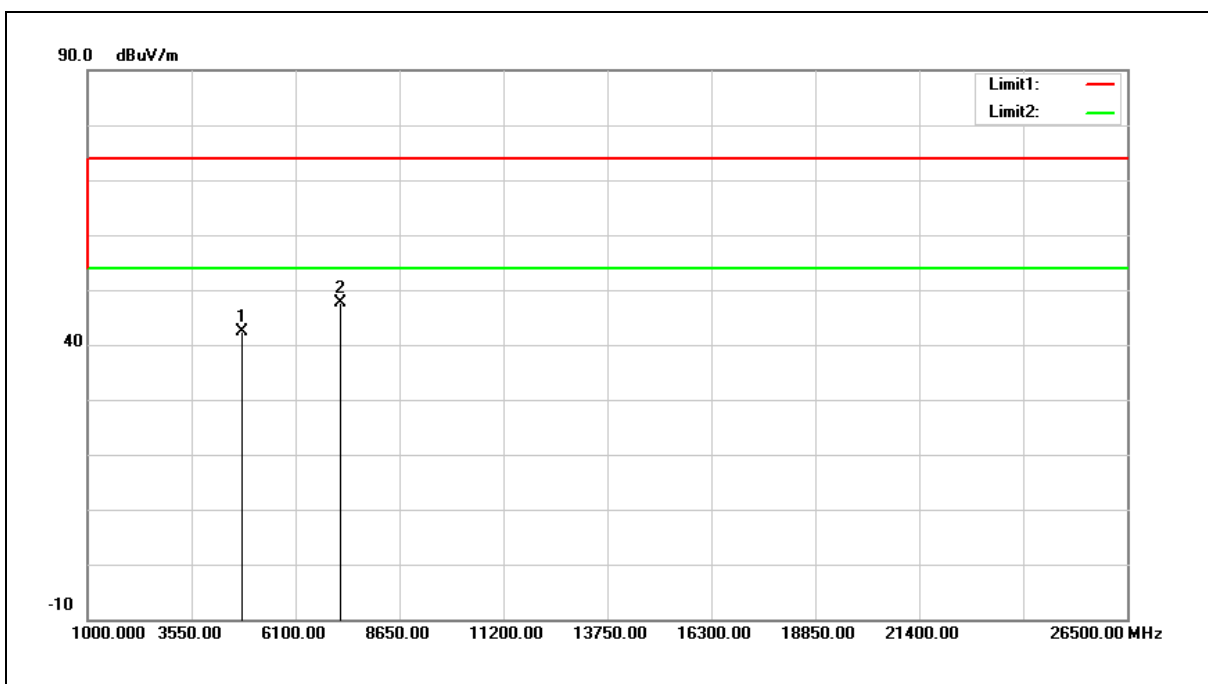
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: $43.01 = -8.66 + 51.67$

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.

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2402 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



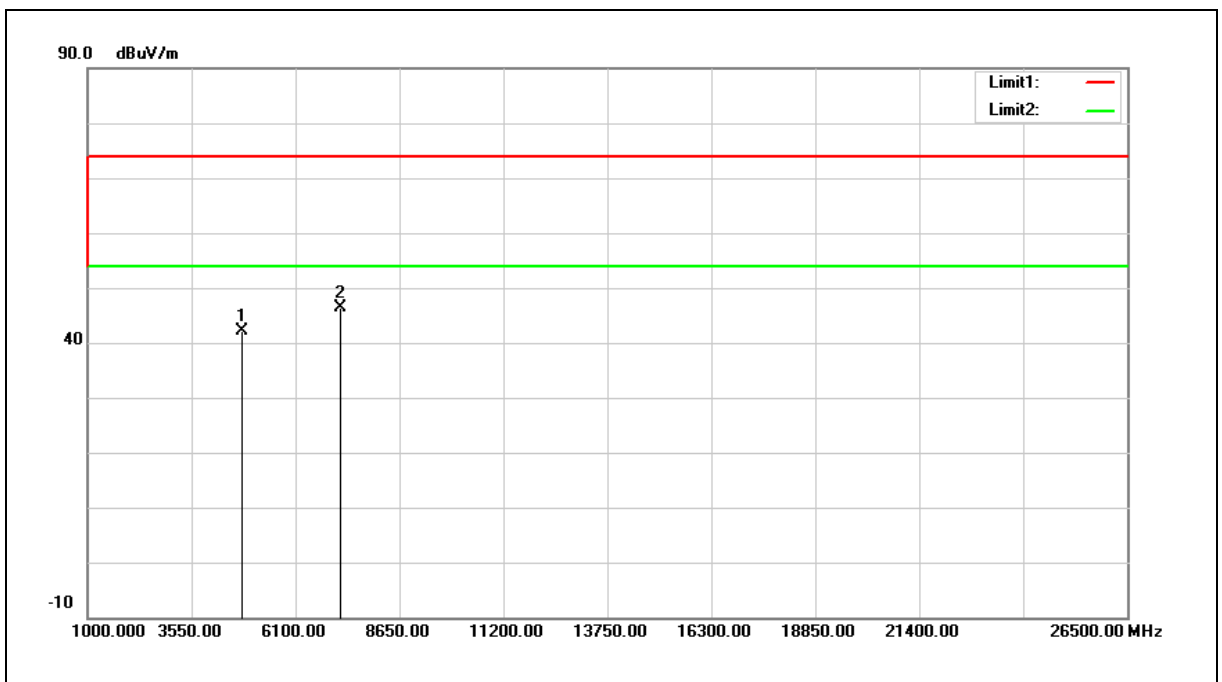
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	51.01	-8.66	42.35	74.00	-31.65	peak
2	7206.000	48.71	-1.20	47.51	74.00	-26.49	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2402 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		



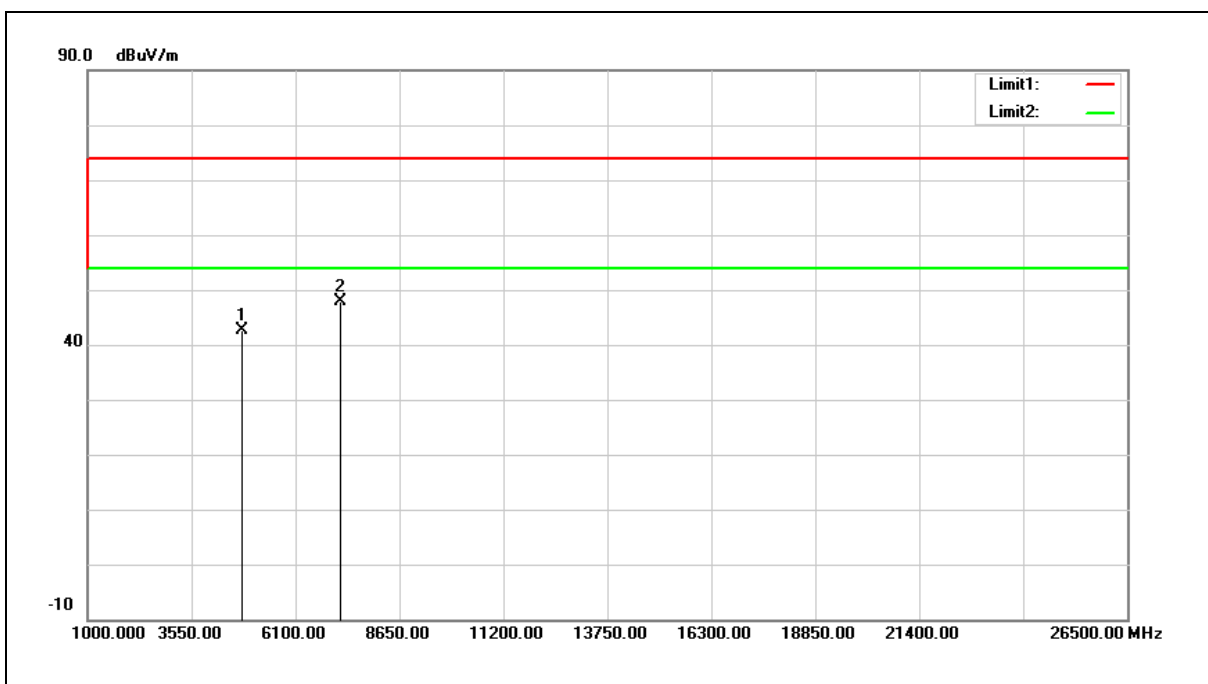
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	50.67	-8.66	42.01	74.00	-31.99	peak
2	7206.000	47.59	-1.20	46.39	74.00	-27.61	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2402 MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



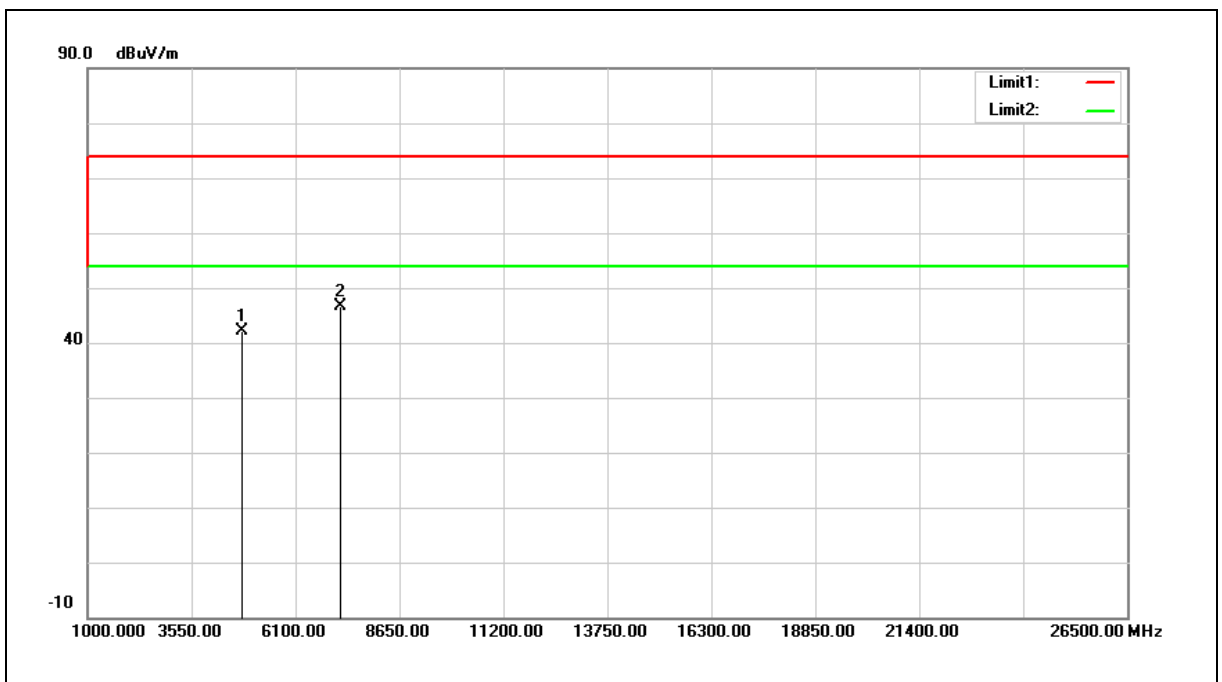
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	51.22	-8.66	42.56	74.00	-31.44	peak
2	7206.000	49.00	-1.20	47.80	74.00	-26.20	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2402 MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	50.81	-8.66	42.15	74.00	-31.85	peak
2	7206.000	47.91	-1.20	46.71	74.00	-27.29	peak

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

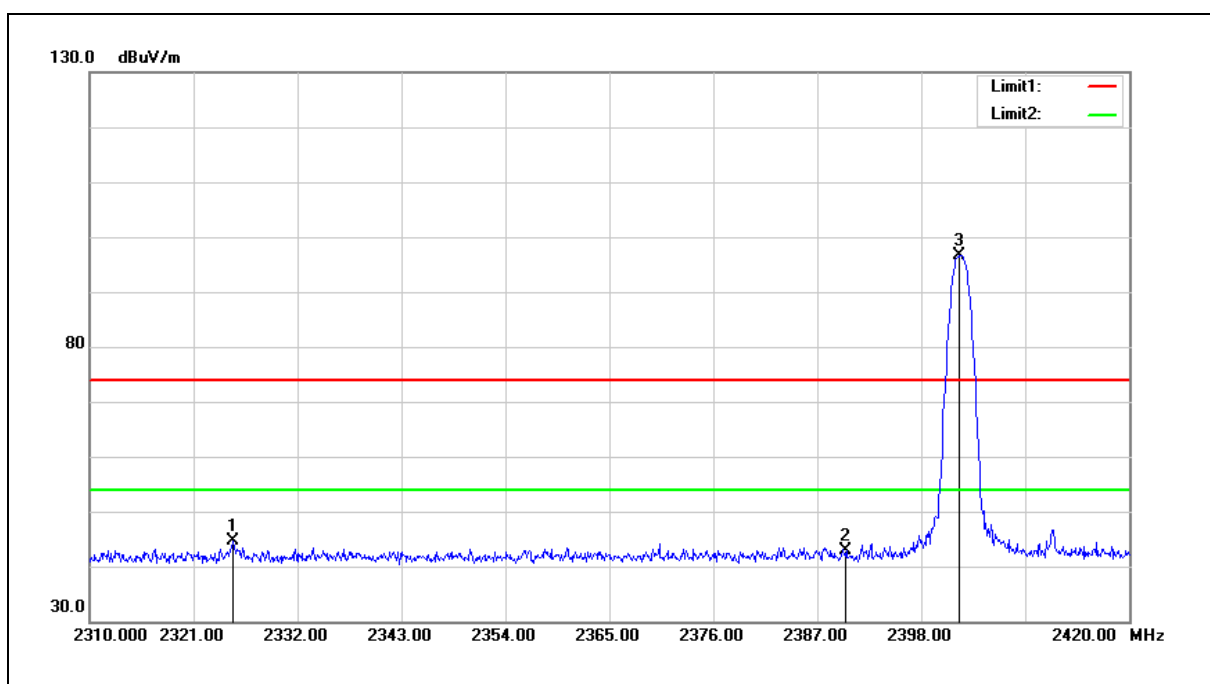
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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		
Frequency:	2402 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



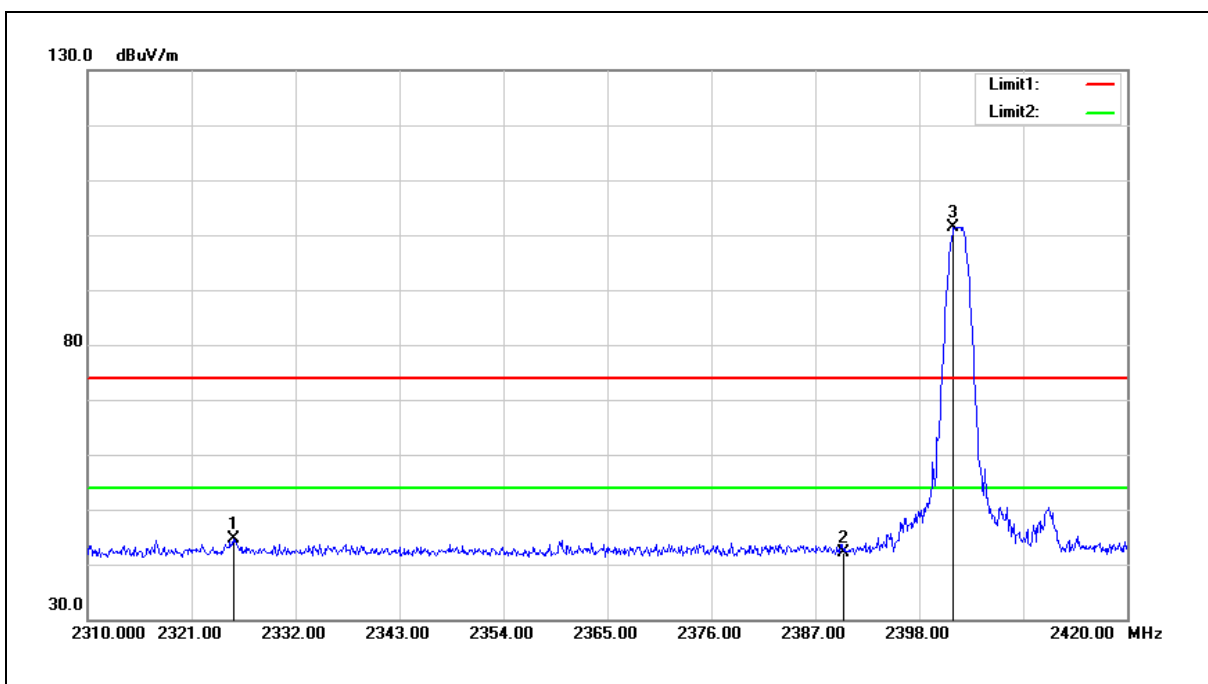
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2325.180	59.47	-14.81	44.66	74.00	-29.34	peak
2	2390.000	57.28	-14.48	42.80	74.00	-31.20	peak
3	2402.070	110.93	-14.42	96.51	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2402 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



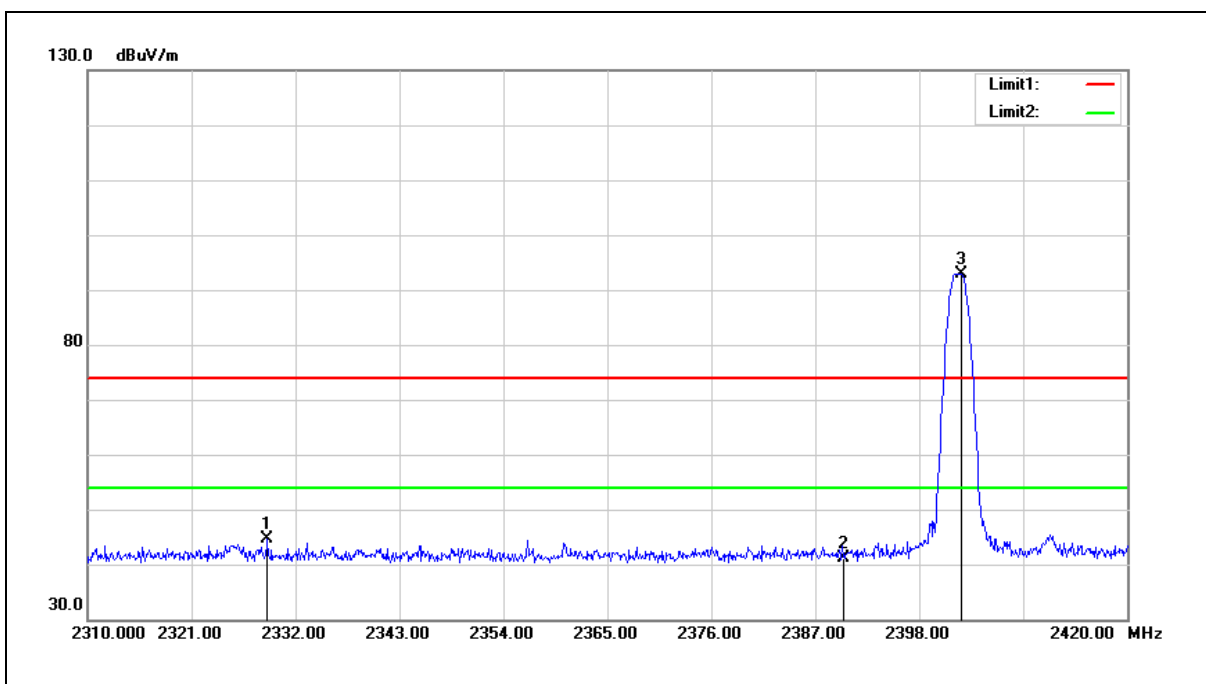
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2325.400	59.52	-14.81	44.71	74.00	-29.29	peak
2	2390.000	56.73	-14.48	42.25	74.00	-31.75	peak
3	2401.630	115.85	-14.42	101.43	--	--	peak

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:	Band edge		
Frequency:	2402 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



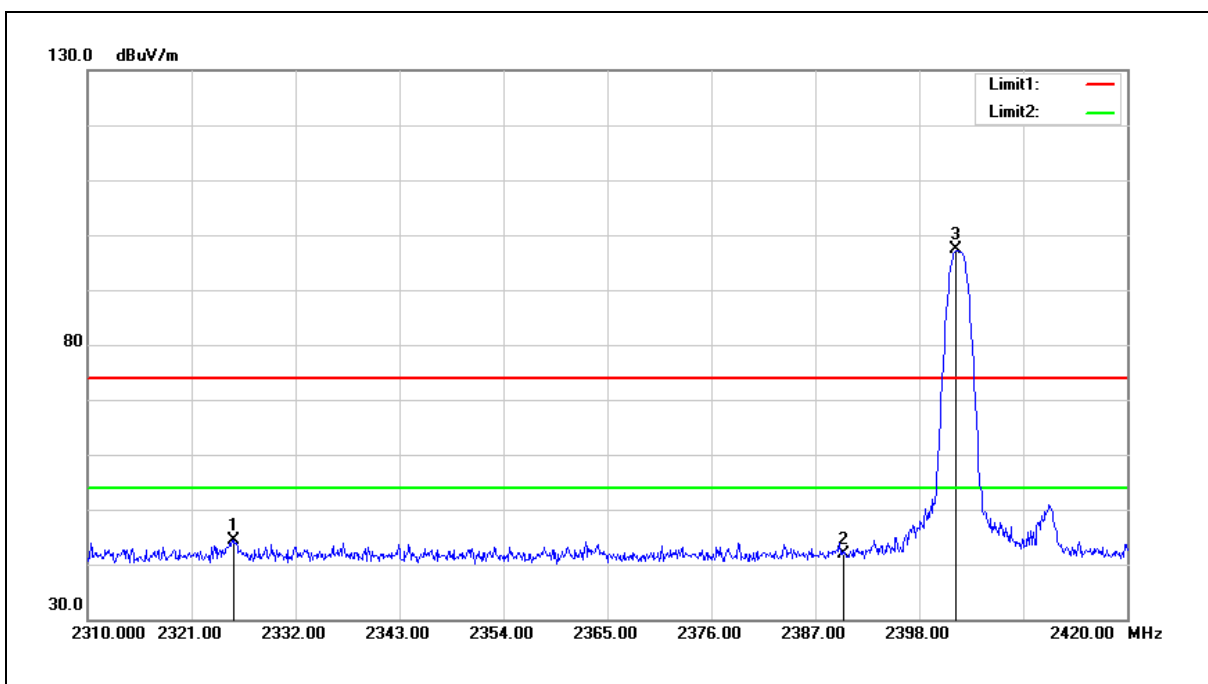
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2329.030	59.34	-14.79	44.55	74.00	-29.45	peak
2	2390.000	55.71	-14.48	41.23	74.00	-32.77	peak
3	2402.400	107.39	-14.42	92.97	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2402 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		



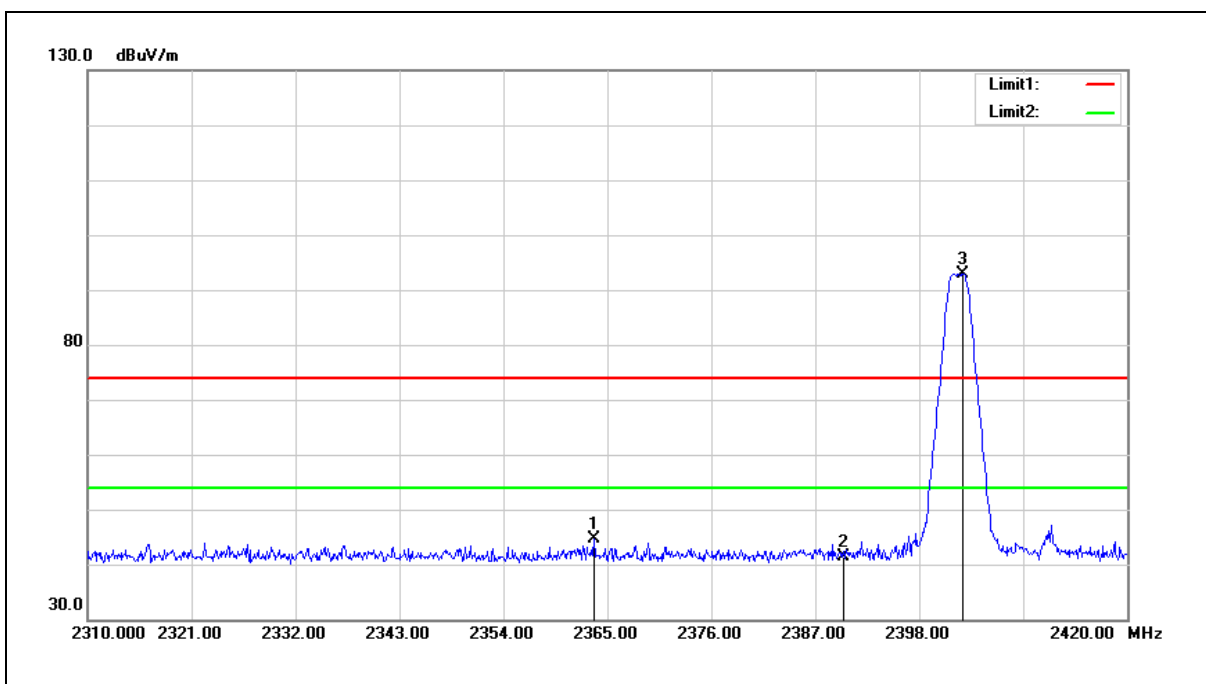
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2325.400	59.19	-14.81	44.38	74.00	-29.62	peak
2	2390.000	56.46	-14.48	41.98	74.00	-32.02	peak
3	2401.850	111.76	-14.42	97.34	--	--	peak

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:	Band edge		
Frequency:	2402 MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



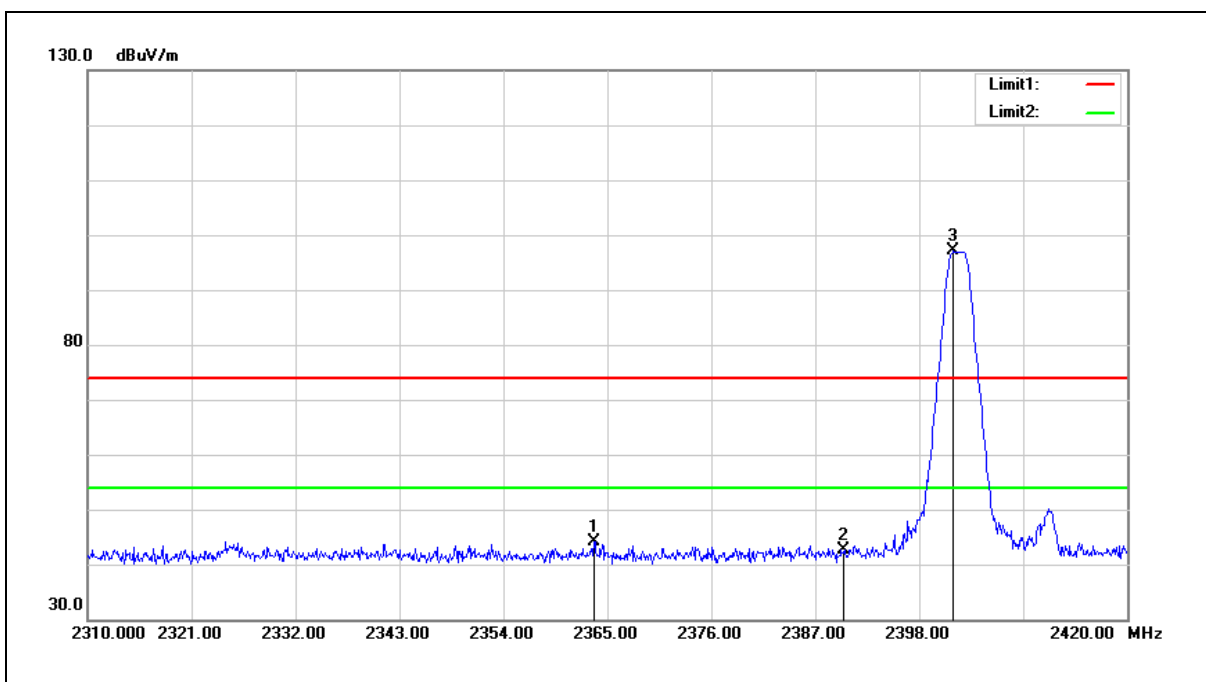
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2363.570	59.14	-14.61	44.53	74.00	-29.47	peak
2	2390.000	55.92	-14.48	41.44	74.00	-32.56	peak
3	2402.620	107.31	-14.42	92.89	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2402 MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2363.570	58.71	-14.61	44.10	74.00	-29.90	peak
2	2390.000	57.13	-14.48	42.65	74.00	-31.35	peak
3	2401.630	111.65	-14.42	97.23	--	--	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).

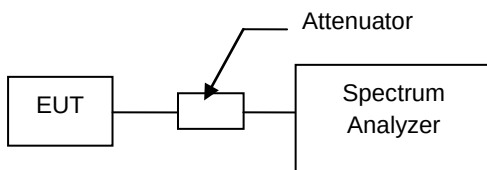
3.When the peak results are less than average limit, so not need to evaluate the average.

4.4 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，BR/EDR 須衰減 20 分貝(dB)；LE/2LE 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: BR, GFSK Continuous TX Mode Mode 4: EDR, 8DPSK Continuous TX Mode Mode 5: LE, GFSK Continuous TX Mode Mode 6: 2LE, GFSK Continuous TX Mode
量測之結果掃圖如下頁所示	

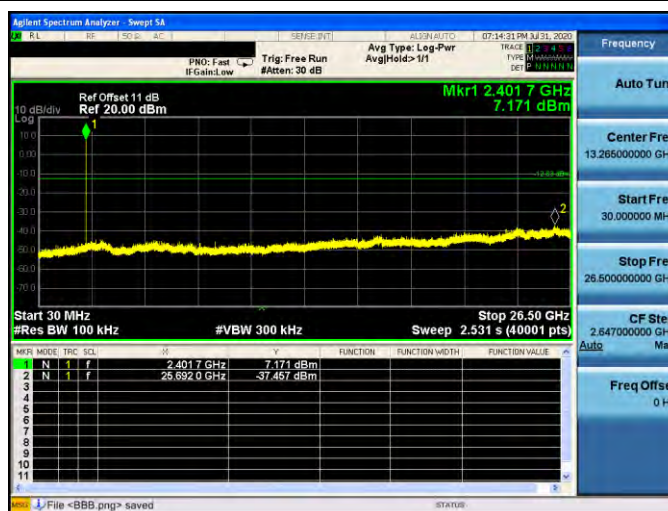
附註 1:於使用頻帶範圍之任意 100 千赫 (kHz)內，發射器所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 千赫 (kHz)內的射頻功率，BR/EDR 衰減 20 分貝(dB)；LE/2LE 衰減 30 分貝(dB)以上，符合規定。

附註 2:測試結果頻帶外之輻射雜訊皆小於主頻 BR/EDR TX 20 dB；LE/2LE TX 30 dB。

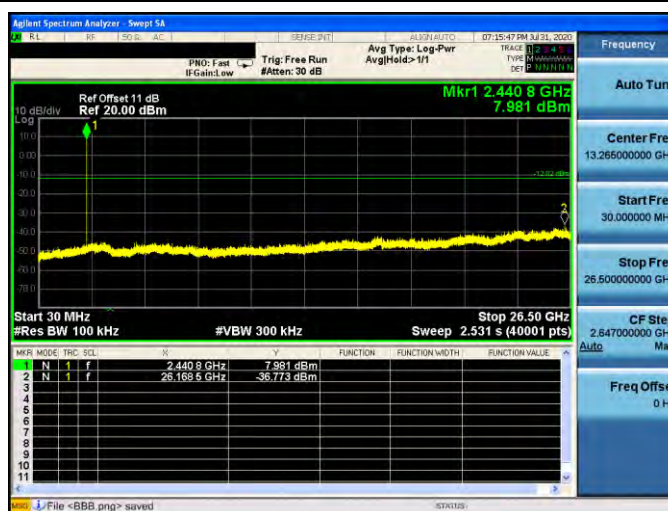
Out of Band Conducted Spurious Emission

Mode 2: BR, GFSK Continuous TX Mode

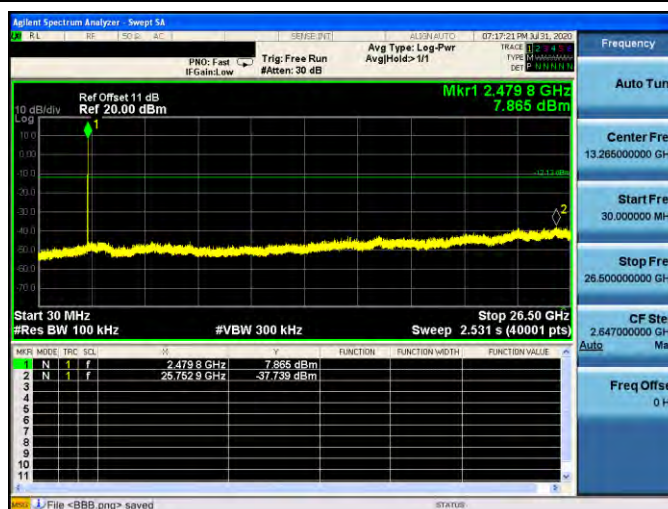
低頻道



中頻道

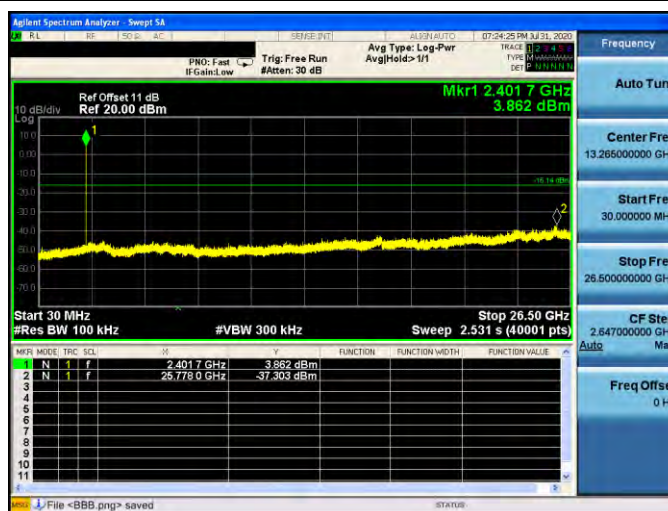


高頻道

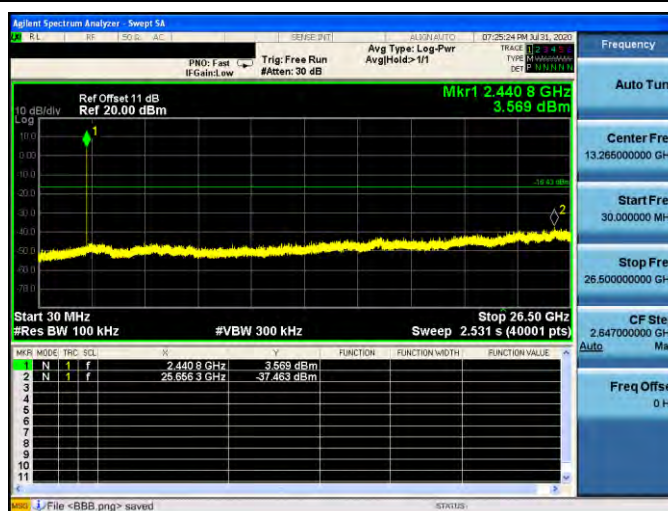


Mode 4: EDR, 8DPSK Continuous TX Mode

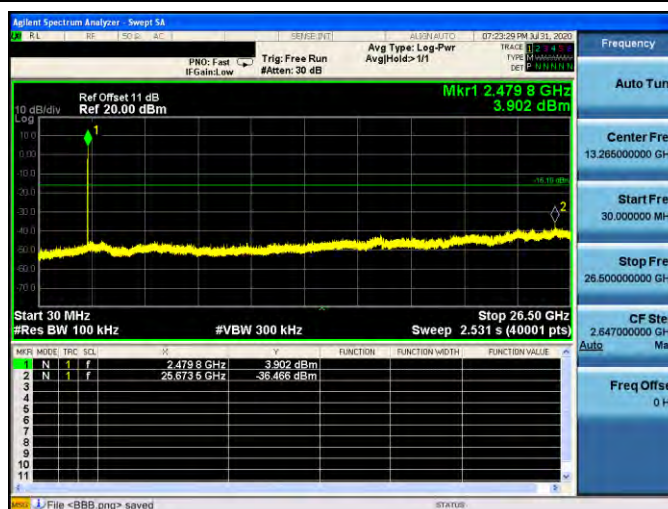
低頻道



中頻道

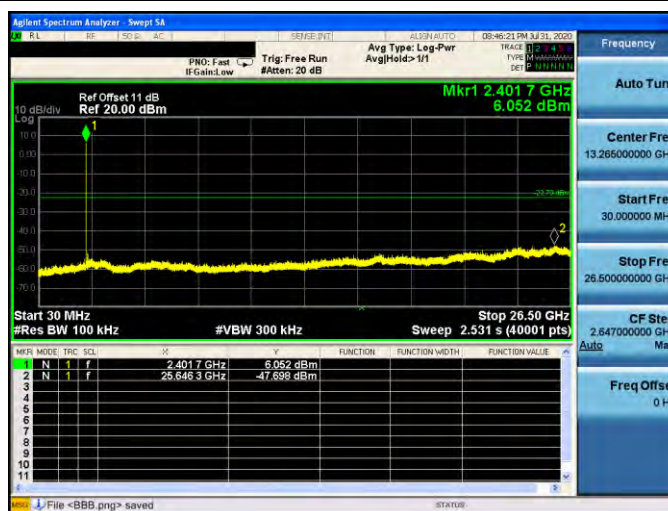


高頻道

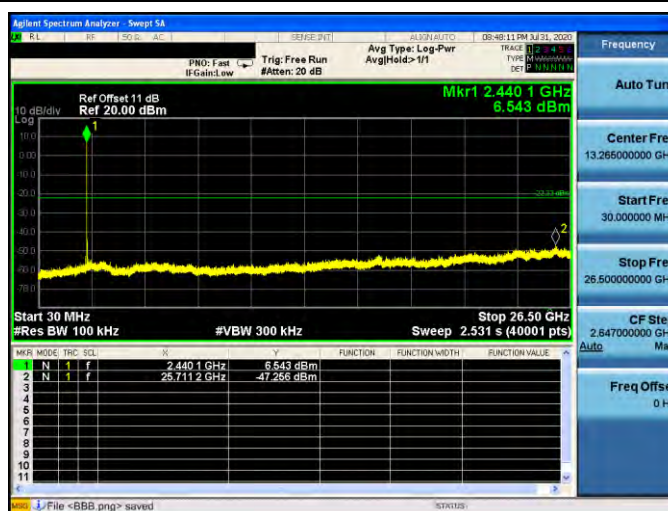


Mode 5: LE, GFSK Continuous TX Mode

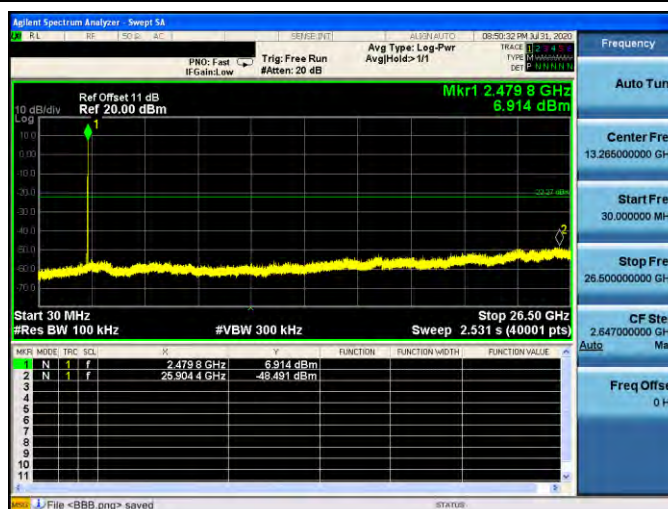
低頻道



中頻道

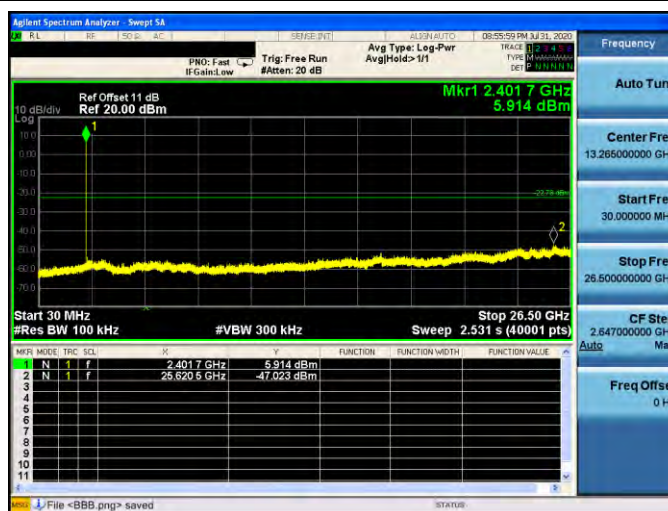


高頻道

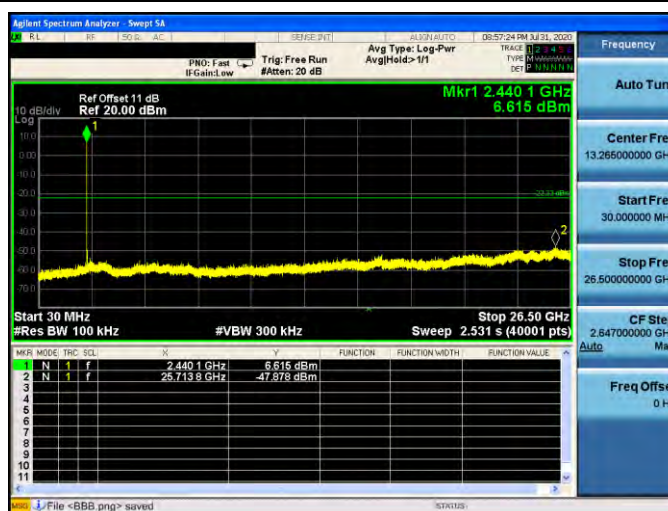


Mode 6: 2LE, GFSK Continuous TX Mode

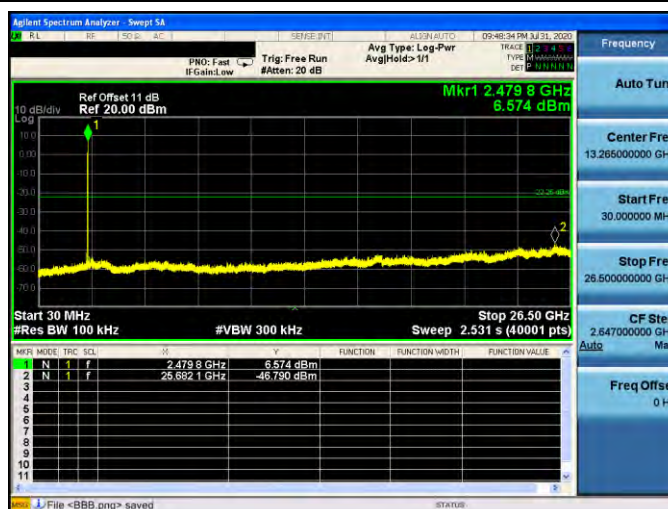
低頻道



中頻道



高頻道



Reference level

Mode 5: LE, GFSK Continuous TX Mode

低頻道



中頻道



高頻道



Mode 6: 2LE, GFSK Continuous TX Mode

低頻道



中頻道



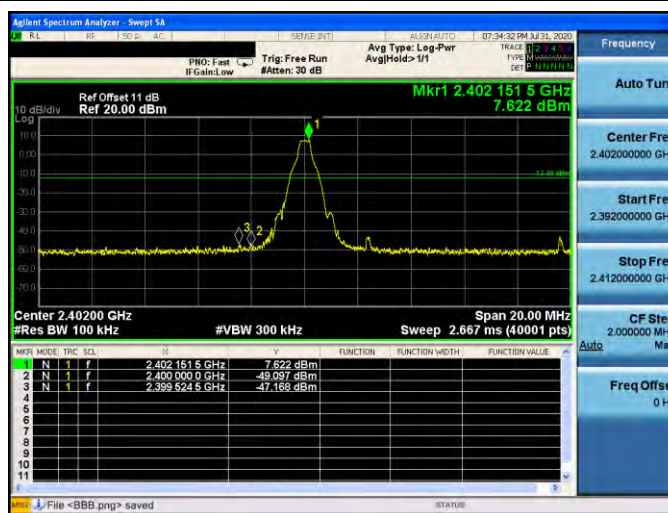
高頻道



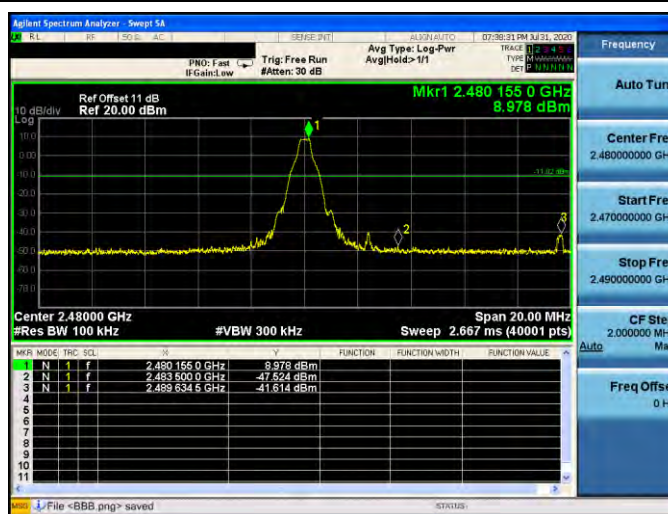
Conducted Band Edge

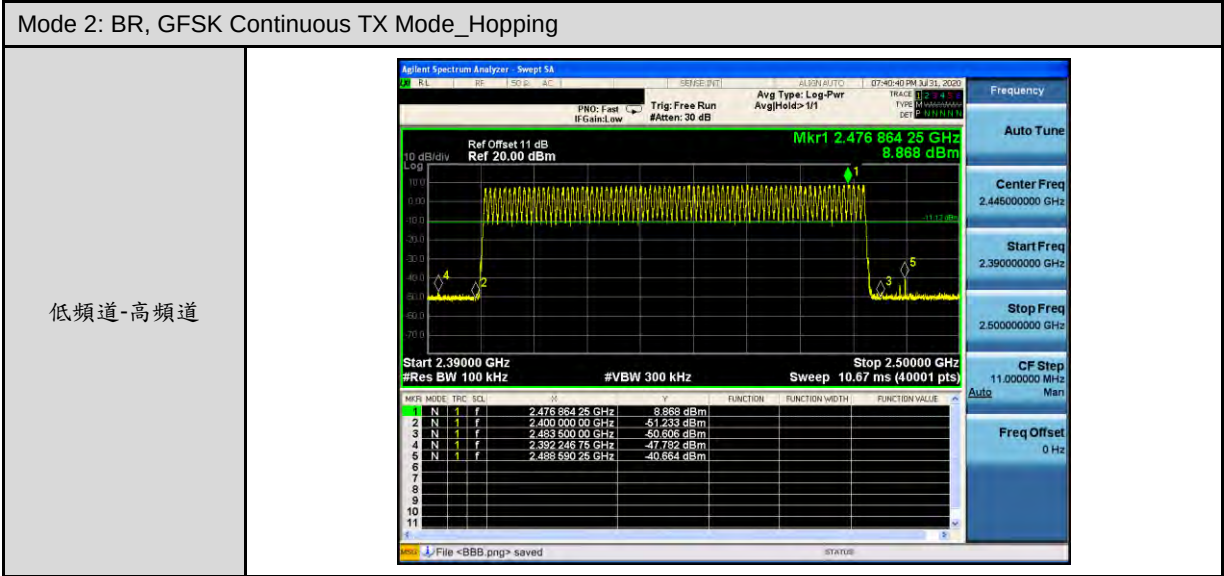
Mode 2: BR, GFSK Continuous TX Mode_Un-hopping

低頻道



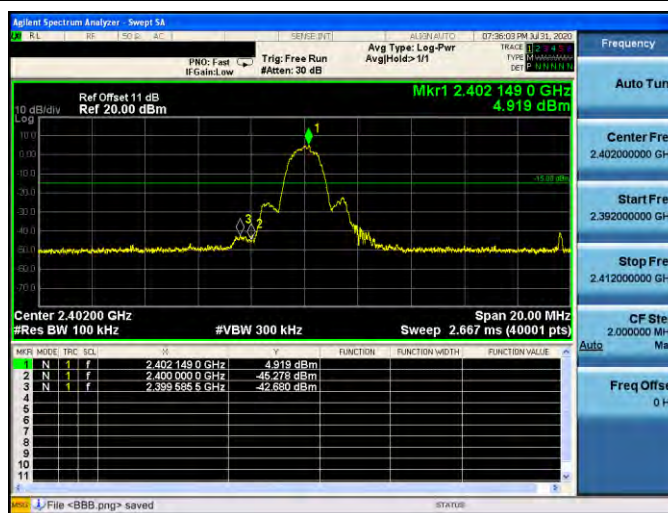
高頻道



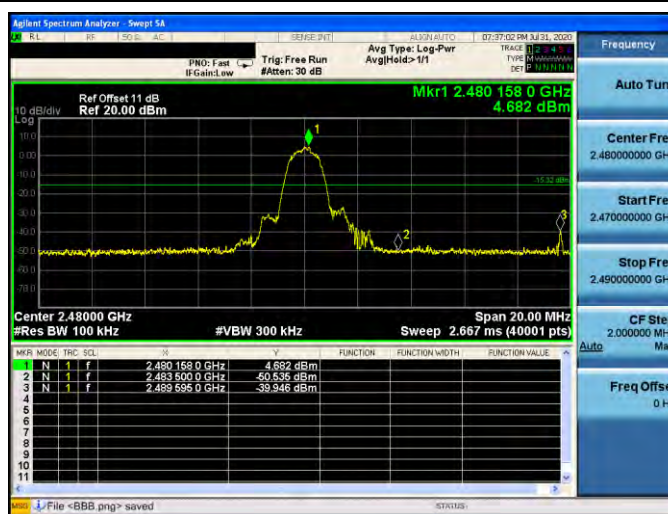


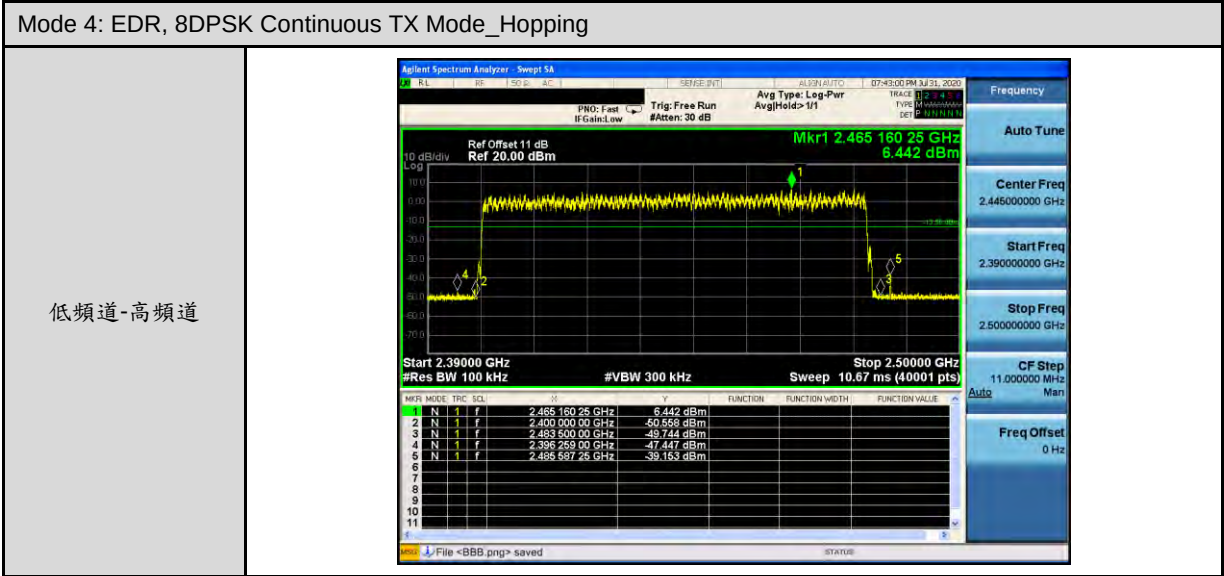
Mode 4: EDR, 8DPSK Continuous TX Mode_Un-hopping

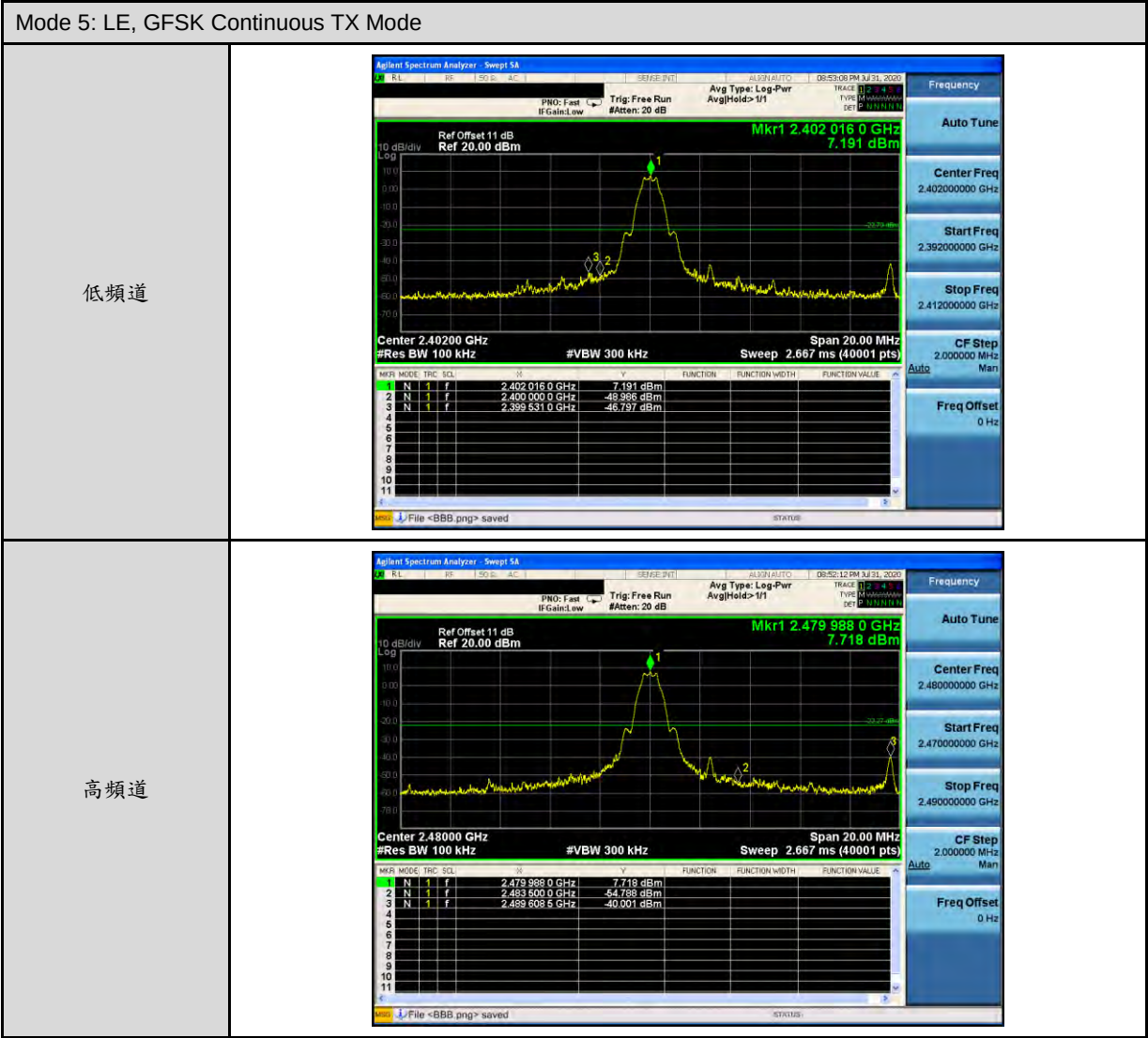
低頻道



高頻道

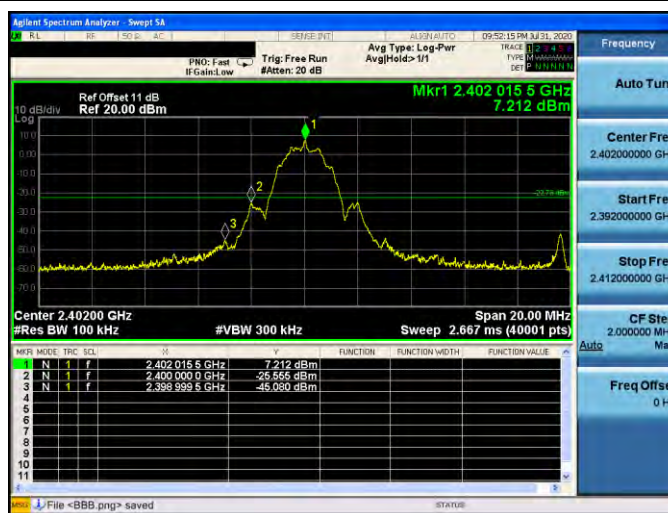




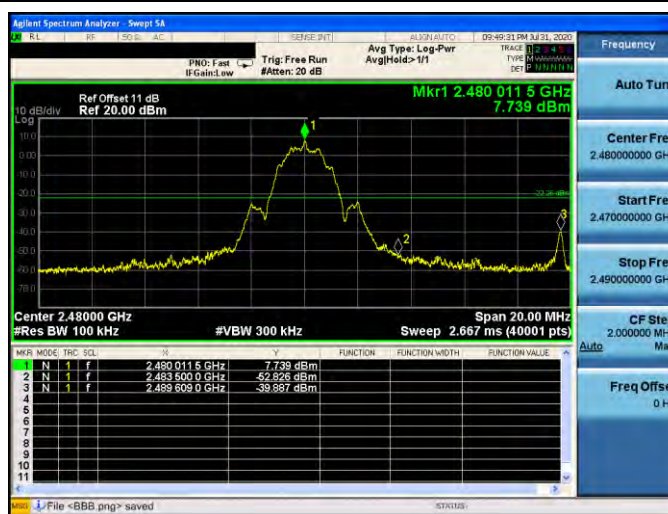


Mode 6: 2LE, GFSK Continuous TX Mode

低頻道



高頻道



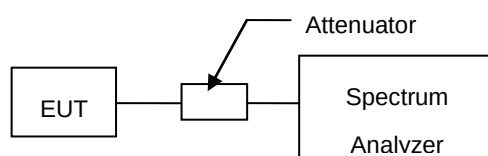
4.5 頻率範圍之要求

合格標準：

依據 NCC 低功率射頻電機技術規範(LP0002)之 3.10.1.1 節之要求，允許使用的頻率範圍為 2400 至 2483.5 MHz。

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: BR, GFSK Continuous TX Mode Mode 4: EDR, 8DPSK Continuous TX Mode
------	--

量測之掃描圖如下頁所示

Mode 2: BR, GFSK Continuous TX Mode

CH00 - CH39

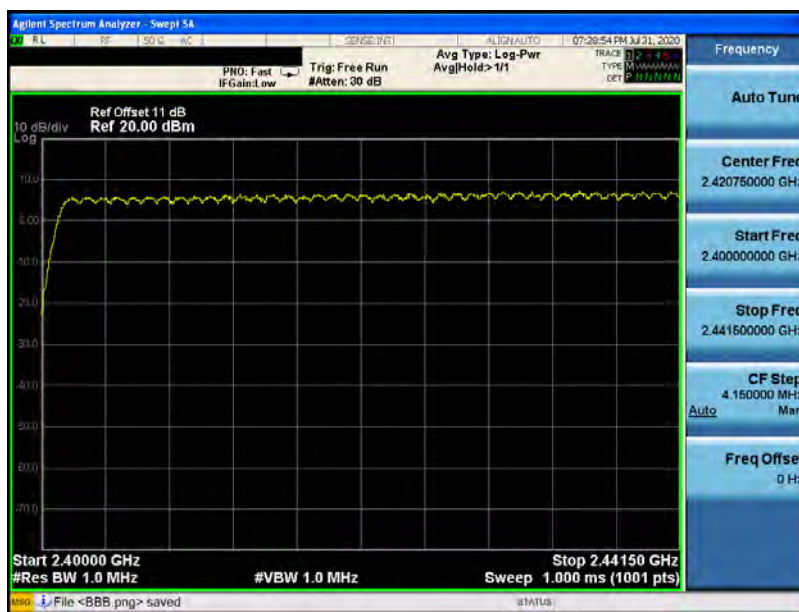


CH39- CH78



Mode 4: EDR, 8DPSK Continuous TX Mode

CH00 - CH39



CH39- CH78



4.6 發射頻寬之要求

合格標準：

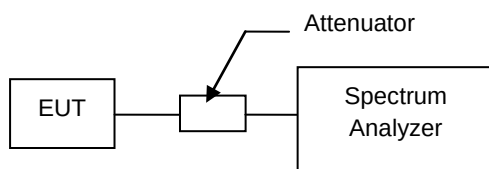
BR/EDR

對跳頻系統(Frequency Hopping System)而言，依據 NCC 低功率射頻電機技術規範 3.10.1.6(1)(A)節之要求，跳頻系統之載波頻率頻道間隔應至少 25 千赫(kHz)或跳頻頻道 20 dB 頻寬之三分之二，兩者取較寬者。系統之跳頻頻道應依虛擬亂數排列，在各頻率之跳頻頻道上跳躍。每一發射機必須均等的使用每一頻率。系統接收機應具有與發射機跳躍頻道頻寬相匹配之輸入頻寬，且應隨所發射的信號同步偏移接收頻率。

LE/2LE

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: BR, GFSK Continuous TX Mode Mode 4: EDR, 8DPSK Continuous TX Mode				
操作模式	頻道	發射頻寬(20 dB)		
		量測值 (MHz)	2/3 量測值 (MHz)	限制值 (MHz)
Mode 2	低頻道	0.959	0.639	-----
	中頻道	0.956	0.637	-----
	高頻道	0.969	0.646	-----
Mode 4	低頻道	1.475	0.983	-----
	中頻道	1.482	0.988	-----
	高頻道	1.480	0.987	-----
註：發射頻寬(20 dB) 之 2/3 量測值 = 量測值 x 2 / 3				
測試掃描圖請參考下頁。				

操作模式： Mode 5: LE, GFSK Continuous TX Mode Mode 6: 2LE, GFSK Continuous TX Mode			
操作模式	頻道	發射頻寬(6dB)	
		量測值 (kHz)	限制值 (kHz)
Mode 5	低頻道	650.400	≥ 500
	中頻道	649.800	≥ 500
	高頻道	649.200	≥ 500
Mode 6	低頻道	1128.000	≥ 500
	中頻道	1130.000	≥ 500
	高頻道	1137.000	≥ 500
測試掃描圖請參考下頁。			

Mode 2: BR, GFSK Continuous TX Mode

低頻道



中頻道



高頻道

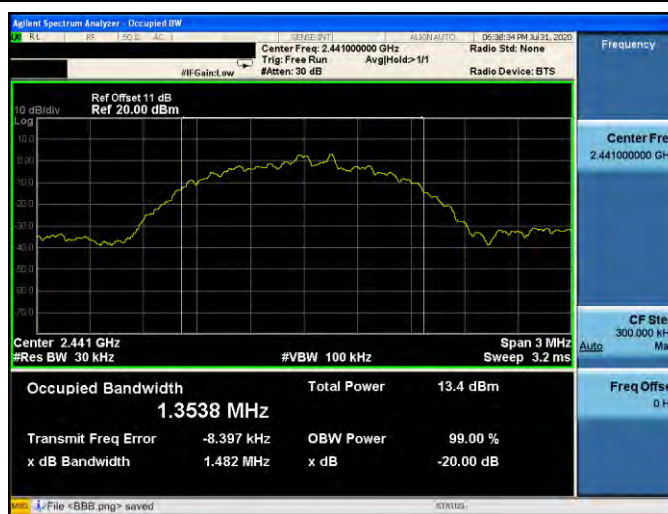


Mode 4: EDR,8DPSK Continuous TX Mode

低頻道



中頻道



高頻道



Mode 5: LE, GFSK Continuous TX Mode

低頻道



中頻道



高頻道



Mode 6: 2LE, GFSK Continuous TX Mode

低頻道



中頻道



高頻道

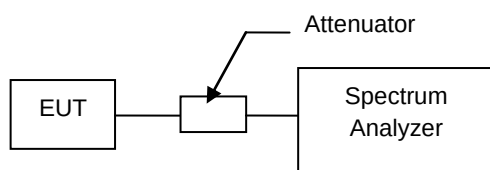


4.7 頻道數之要求

合格標準:

對跳頻系統(Frequency Hopping System)而言，依據 NCC 低功率射頻電機技術規範(LP0002)之 3.10.1.6(1)(A)(a)節之要求，至少使用 15 個無重疊之頻道(複合系統時，關閉數位調變作業狀態檢驗)。

測試架構圖：



測試結果:

操作模式	: Mode 2: BR, GFSK Continuous TX Mode Mode 4: EDR, 8DPSK Continuous TX Mode
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量測之掃描圖如下頁所示

Mode 2: BR, GFSK Continuous TX Mode

CH00 - CH39

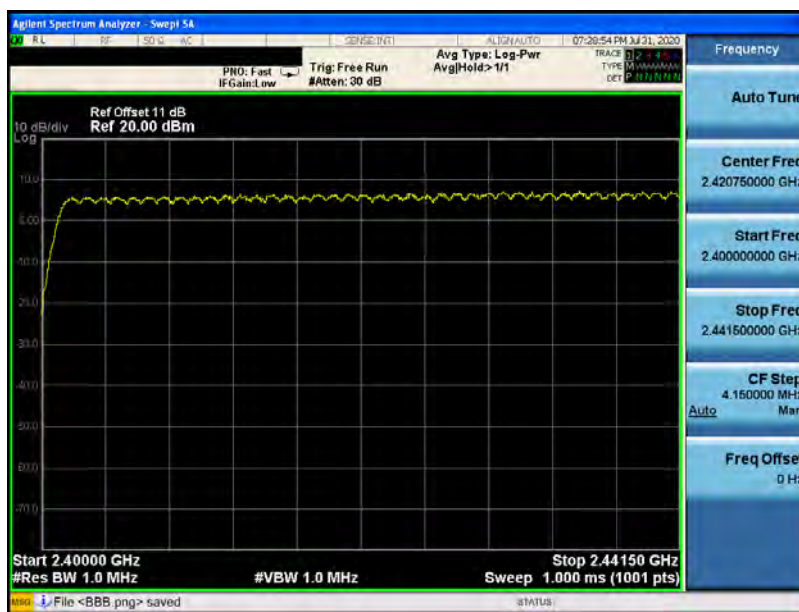


CH39- CH78



Mode 4: EDR, 8DPSK Continuous TX Mode

CH00 - CH39



CH39- CH78

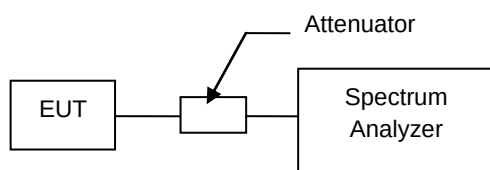


4.8 跳頻系統之載波頻率頻道間隔之量測

合格標準:

依據 NCC 低功率射頻電機技術規範(LP0002) 之 3.10.1.6(1)(A)節要求，應至少 25 kHz 或跳頻頻道之 20 dB 頻寬之三分之二，兩者取較寬者。

測試架構圖：



測試結果:

操作模式： Mode 2: BR, GFSK Continuous TX Mode Mode 4: EDR, 8DPSK Continuous TX Mode			
操作模式	頻道	鄰頻道載波間隔	
		量測值 (MHz)	限制值 (MHz)
Mode 2	低頻道	1.000	≥ 0.639
	中頻道	1.000	≥ 0.637
	高頻道	1.000	≥ 0.646
Mode 4	低頻道	1.000	≥ 0.983
	中頻道	1.000	≥ 0.988
	高頻道	1.000	≥ 0.987

Mode 2: BR, GFSK Continuous TX Mode

低頻道



中頻道



高頻道

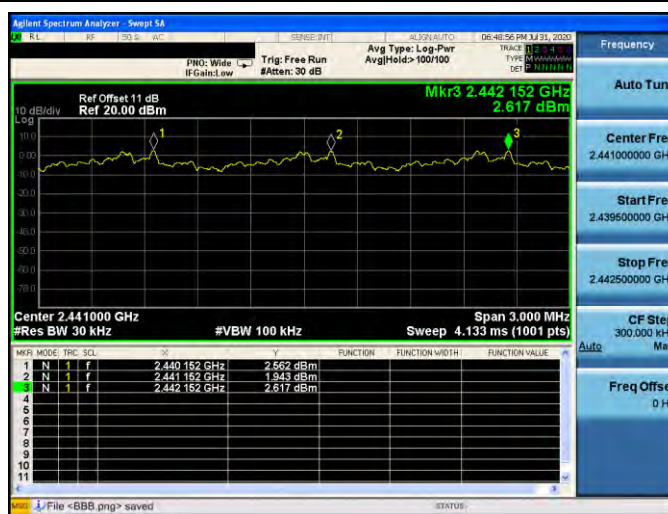


Mode 4: EDR, 8DPSK Continuous TX Mode

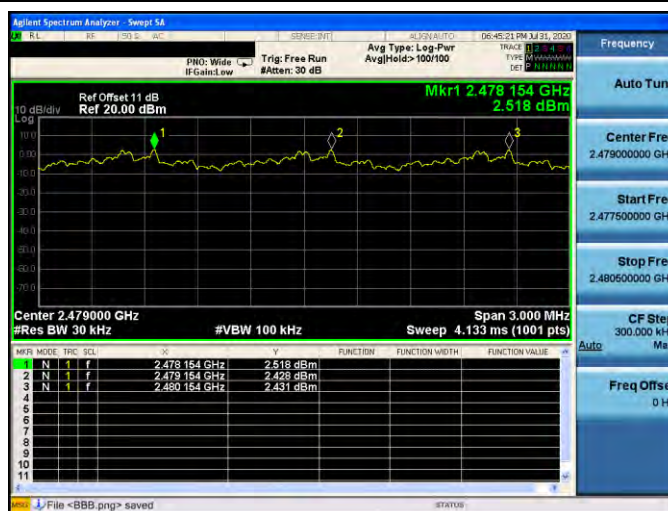
低頻道



中頻道



高頻道

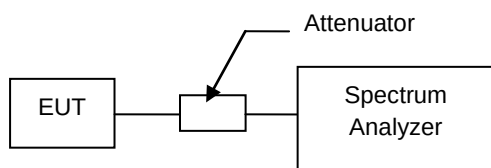


4.9 跳頻系統之任一頻率佔用之平均時間之量測

合格標準:

依據 NCC 低功率射頻電機技術規範(LP0002)之 3.10.1.6(1)(A)(a)節之要求，若使用 15 個無重疊之頻道，在 0.4 秒乘以跳頻頻道數之週期內，任一頻道佔用之平均時間不得超過 0.4 秒(複合系統時，關閉跳頻作業狀態檢驗)。

測試架構圖：



測試結果:

操作模式	: Mode 2: BR, GFSK Continuous TX Mode Mode 4: EDR, 8DPSK Continuous TX Mode
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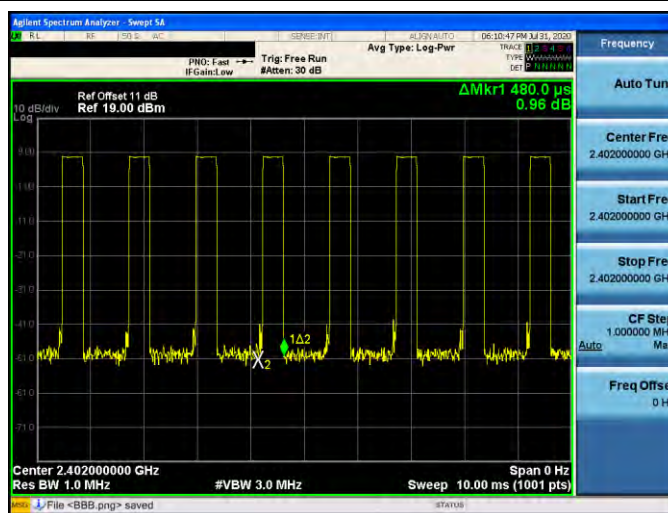
此項測試進行量測高中低頻道，取其最大值紀錄於此量測結果，量測之結果數據如下頁所示。

Mode 2: BR, GFSK Continuous TX Mode	
DH1 模式	
需量測之週期(秒)	$79\text{CH} * 0.4 = 31.6$ (秒)
待測物每秒跳頻之總次數	1600(藍牙通訊協定標準)
頻道每秒佔用之次數	$800/79\text{CH} = 10.13$ (次/秒)
頻道每次佔用之時間(1)	0.480 ms (秒)
週期內頻道佔用之總次數(2)	$31.6 * 10.13 = 320.108$ (次)
週期內佔用的平均時間(1) * (2)	153.652 ms (秒)
LIMIT(msec)	≤ 400
DH3 模式	
需量測之週期(秒)	$79\text{CH} * 0.4 = 31.6$ (秒)
待測物每秒跳頻之總次數	1600(藍牙通訊協定標準)
頻道每秒佔用之次數	$400/79\text{CH} = 5.06$ (次/秒)
頻道每次佔用之時間(1)	1.720 ms (秒)
週期內頻道佔用之總次數(2)	$31.6 * 5.06 = 159.896$ (次)
週期內佔用的平均時間(1) * (2)	275.021 ms (秒)
LIMIT(msec)	≤ 400
DH5 模式	
需量測之週期(秒)	$79\text{CH} * 0.4 = 31.6$ (秒)
待測物每秒跳頻之總次數	1600(藍牙通訊協定標準)
頻道每秒佔用之次數	$266.7/79\text{CH} = 3.38$ (次/秒)
頻道每次佔用之時間(1)	2.970 ms (秒)
週期內頻道佔用之總次數(2)	$31.6 * 3.38 = 106.808$ (次)
週期內佔用的平均時間(1) * (2)	317.220 ms (秒)
LIMIT(msec)	≤ 400

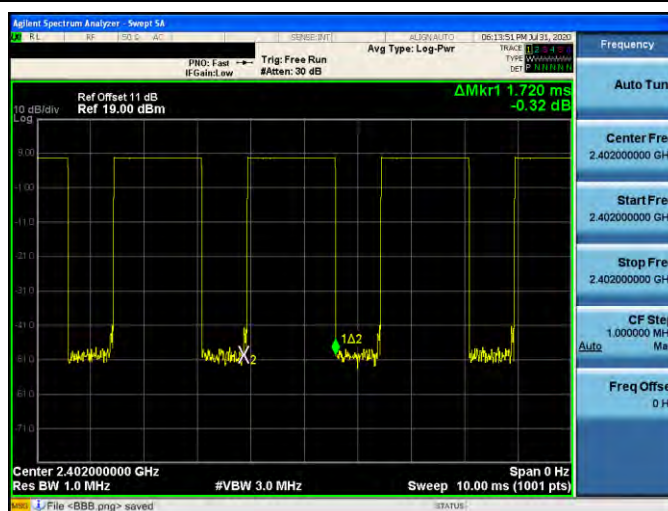
附註: RB=1 MHz ; VB=1 MHz ; SPAN=0 MHz ; Sweep Time=10 msec

Mode 2: BR, GFSK Continuous TX Mode

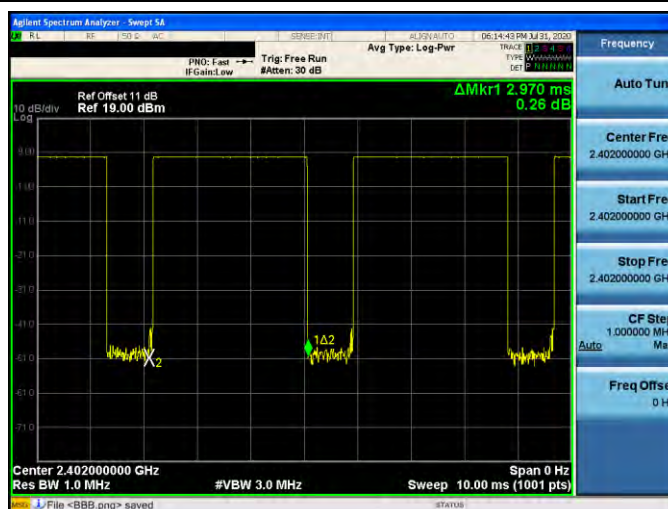
DH1



DH3



DH5

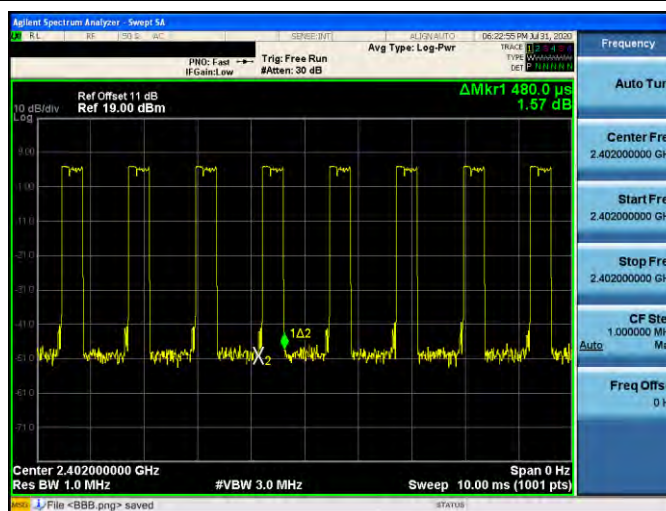


Mode 4: EDR, 8DPSK Continuous TX Mode	
3DH1 模式	
需量測之週期(秒)	$79\text{CH} * 0.4 = 31.6$ (秒)
待測物每秒跳頻之總次數	1600(藍牙通訊協定標準)
頻道每秒佔用之次數	$800/79\text{CH} = 10.13$ (次/秒)
頻道每次佔用之時間(1)	0.480 ms (秒)
週期內頻道佔用之總次數(2)	$31.6 * 10.13 = 320.108$ (次)
週期內佔用的平均時間(1) * (2)	153.652 ms (秒)
LIMIT(msec)	≤ 400
3DH3 模式	
需量測之週期(秒)	$79\text{CH} * 0.4 = 31.6$ (秒)
待測物每秒跳頻之總次數	1600(藍牙通訊協定標準)
頻道每秒佔用之次數	$400/79\text{CH} = 5.06$ (次/秒)
頻道每次佔用之時間(1)	1.730 ms (秒)
週期內頻道佔用之總次數(2)	$31.6 * 5.06 = 159.896$ (次)
週期內佔用的平均時間(1) * (2)	276.620 ms (秒)
LIMIT(msec)	≤ 400
3DH5 模式	
需量測之週期(秒)	$79\text{CH} * 0.4 = 31.6$ (秒)
待測物每秒跳頻之總次數	1600(藍牙通訊協定標準)
頻道每秒佔用之次數	$266.7/79\text{CH} = 3.38$ (次/秒)
頻道每次佔用之時間(1)	3.000 ms (秒)
週期內頻道佔用之總次數(2)	$31.6 * 3.38 = 106.808$ (次)
週期內佔用的平均時間(1) * (2)	320.424 ms (秒)
LIMIT(msec)	≤ 400

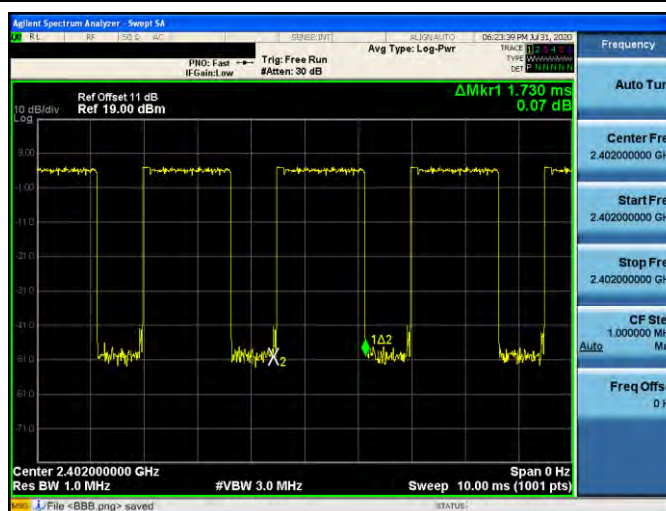
附註: RB=1 MHz ; VB=1 MHz ; SPAN=0 MHz ; Sweep Time=10 msec

Mode 4: EDR, 8DPSK Continuous TX Mode

3DH1



3DH3



3DH5



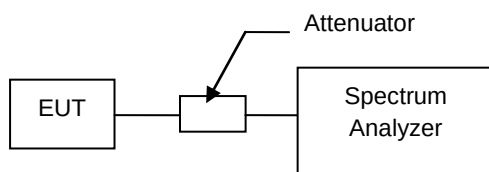
4.10 功率密度之要求

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 3 kHz 頻寬內，由發射機傳導至天線之峰值發射電功率密度在任意期間內，皆不得大於 8 dBm(複合系統時，關閉跳頻作業狀態檢驗)。

測試架構圖：

測試場地測試配置如圖所示。

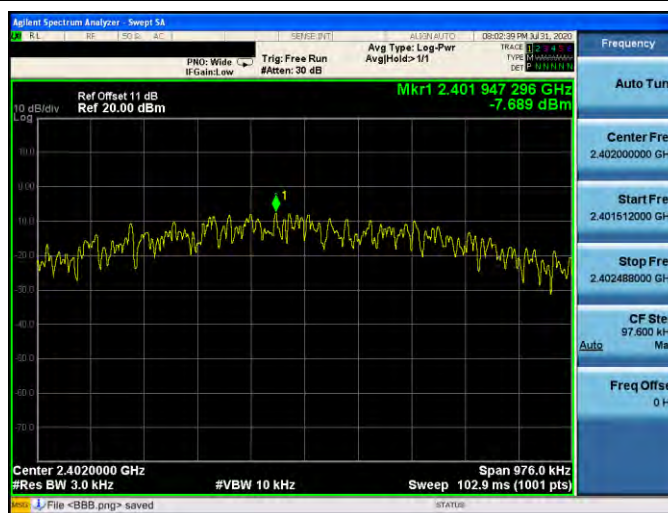


測試結果：

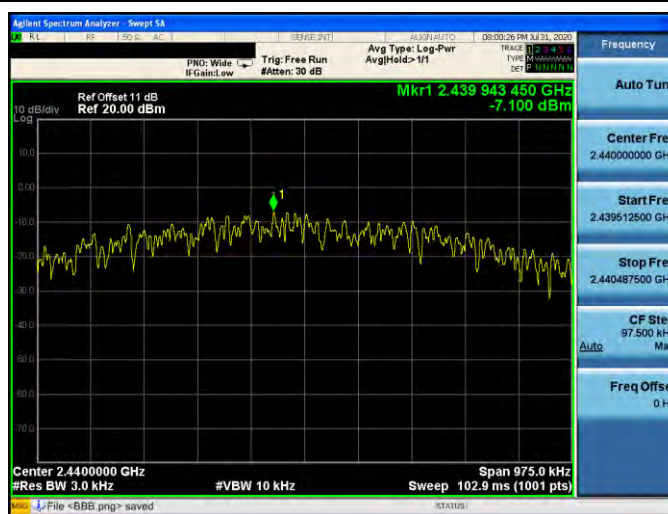
操作模式： Mode 5: LE, GFSK Continuous TX Mode Mode 6: 2LE, GFSK Continuous TX Mode			
操作模式	頻道	量測值 (dBm/3 kHz)	限制值 (dBm/3 kHz)
Mode 5	低頻道	-7.689	≤ 8
	中頻道	-7.100	≤ 8
	高頻道	-7.085	≤ 8
Mode 6	低頻道	-10.737	≤ 8
	中頻道	-9.904	≤ 8
	高頻道	-9.979	≤ 8

Mode 5: LE, GFSK Continuous TX Mode

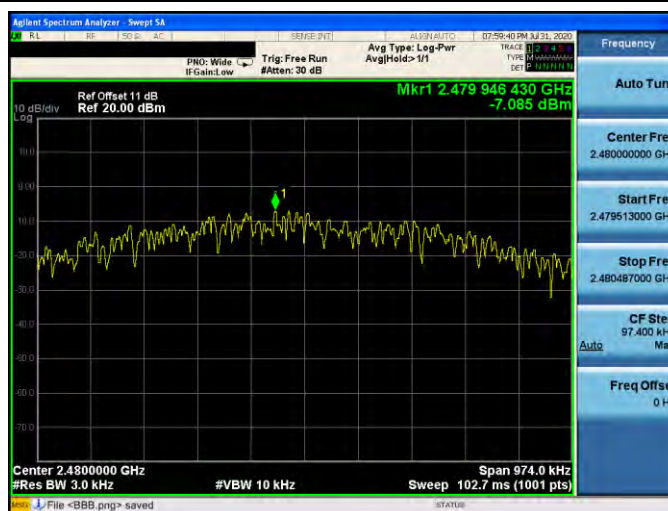
低頻道



中頻道

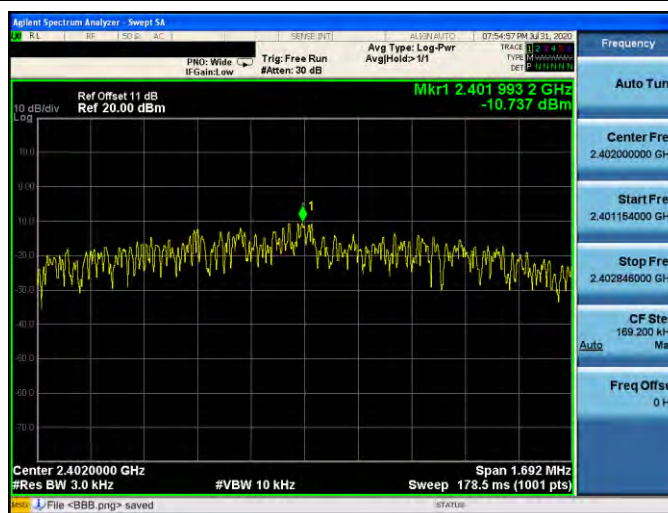


高頻道

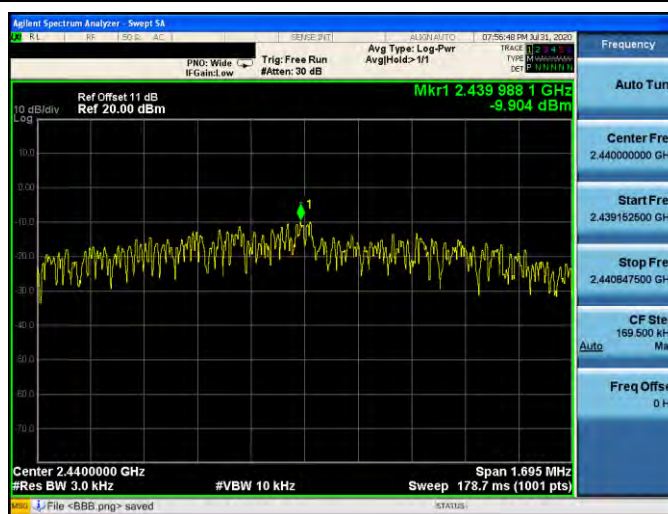


Mode 6: 2LE, GFSK Continuous TX Mode

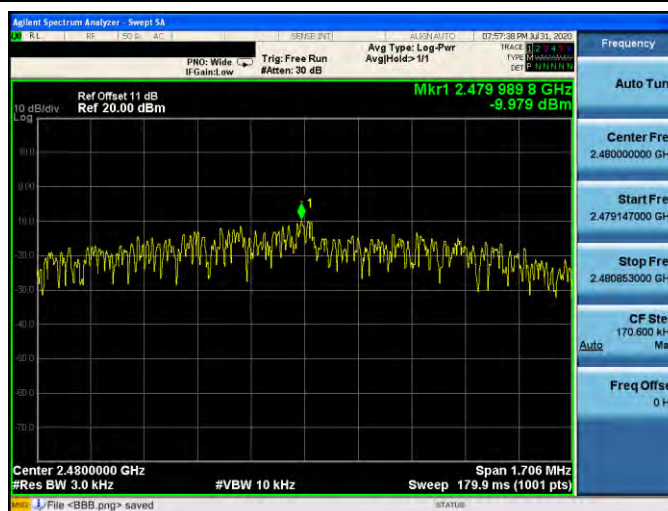
低頻道



中頻道



高頻道



4.11 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。

--- END---