



晶復科技股份有限公司

A Test Lab Techno Corp.

低功率射頻器材試驗報告

報告編號 2101DR37

版本(Rev.) 01

產品名稱 無線局域網接入點Wireless LAN Access Point

申請廠商 訊嵐技術有限公司

廠 牌 HUAWEI

型式 (號) AirEngine6760R-51E

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

報告發行日期 110 年 01 月 26 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
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財團法人全國認證基金會
認證編號 : 1330
認證有效期間 : 108.09.06 ~ 111.09.05
認可能量範圍 : 低功率射頻器材技術規範(LP0002) (頻率範圍:9 kHz to 40 GHz)

免責聲明

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

版本 (Rev.)	發行日期	修訂內容	修訂者
00	110 年 01 月 21 日	初版發行	趙翊如
01	110 年 01 月 26 日	更新封面(P.1) 更新證明書(P.3) 更新 1.1 章節(P.5) 更新 1.2 章節(P.6) 更新 2.3 章節(P.10)	趙翊如

低功率射頻器材測試證明書

產品名稱：無線局域網接入點Wireless LAN Access Point

廠牌：HUAWEI

型號：AirEngine6760R-51E

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 Technologies Co., Ltd.

製造商地址：Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, Guangdong, 518129, P.R.China

待測物電壓：DC 56 V, 1.5 A (PoE)

試驗電壓：110 Vac, 60 Hz

量測規範：低功率射頻器材技術規範(LP0002) 109年7月1日

試驗實驗室：晶復科技股份有限公司(桃園市八德區長安街140-1號)

樣品接受日期：109 年 09 月 21 日

試驗日期：109 年 12 月 14 日 ~ 110 年 01 月 12 日

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

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

特此證明！

審核者：

楊凱宇

(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	無線局域網接入點Wireless LAN Access Point				
廠 牌	HUAWEI				
型 號	AirEngine6760R-51E				
額 定 電 源	DC 56 V, 1.5 A (PoE)				
調 變 方 式	GFSK				
頻 率 使 用 範 圍	2402 MHz – 2480 MHz				
天 線 資 訊	Antenna	廠牌	型號	型態	增益值(dBi)
	ANT-0	1.日安	1.C15N19Z100WD	PCB Antenna	5
		2.健博通科技	2.KDP-H2458NZ		
RF 最大輸出功率	LE, GFSK: 2.78 dBm/ 0.00190 W 2LE, GFSK: 5.52 dBm/ 0.00356 W				

Note：天線差異僅為廠牌及型號不同，其他設計原理、天線型式、Antenna gain 均相同。

輸出/輸入埠說明：

輸 出 / 入 埠		數量	介面內容說明
1	5 GE/PoE in Port	1	連接至 PoE Adapter
2	GE Port	1	連接至中心接入點 Central Access Point
3	SFP+ Port	1	連接至 Optical Transceiver
4	Antenna Port	4	連接至 Antenna

附屬裝置表：

裝置名稱	廠牌	型號	備註
Optical Transceiver	HUAWEI	OGSC10DD0	S/N: HA20190591288 eSFP(industry)-1310 mm,1.25 Gb/s

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: Jan. 12, 2021

測試者: 林佳禾

名 稱	廠 牌	型 號	序 號	本次校驗日期	校驗年限
Power Sensor	Agilent	N1921A	MY45241957	12/09/2020	1 year
Power Meter	Agilent	N1911A	MY45101619	12/09/2020	1 year
Spectrum Analyzer (20 Hz~26.5 GHz)	KEYSIGHT	N9010B	MY59071418	03/17/2020	1 year

For Conducted Emission

Test Period: Jan. 09, 2021

測試者: 林佳禾

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

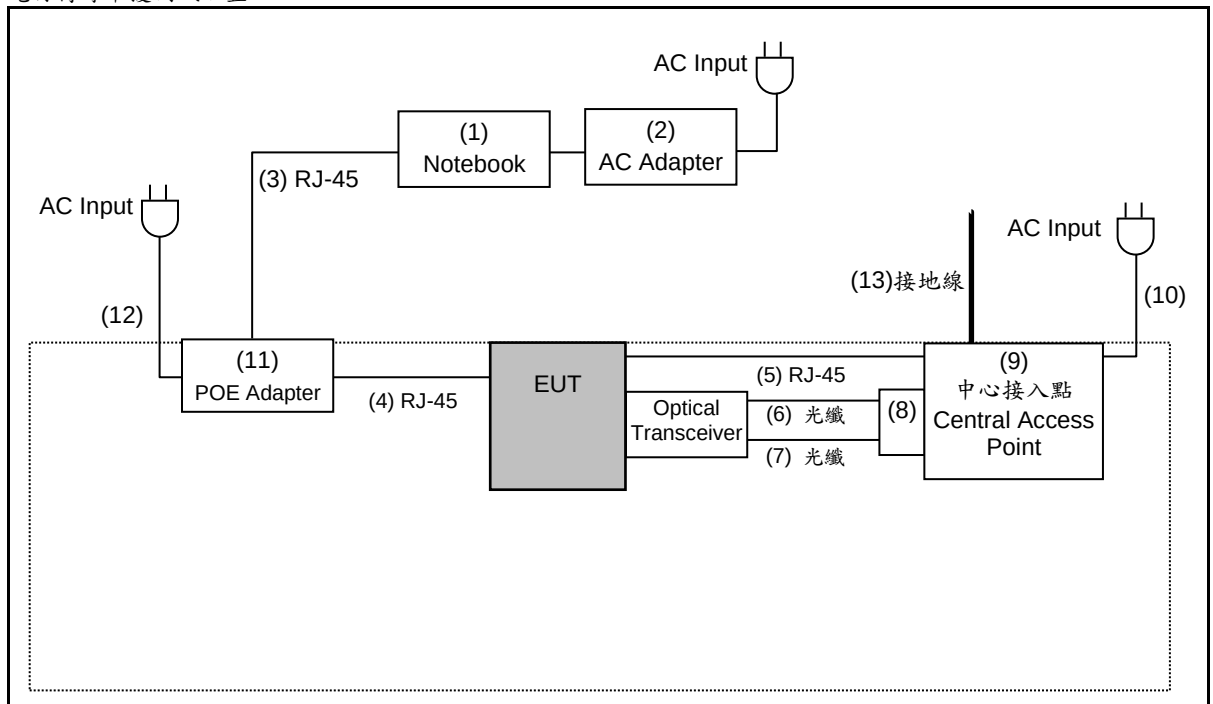
Test Period: Dec. 14 ~ Dec. 15, 2020

測試者: 廖經雄

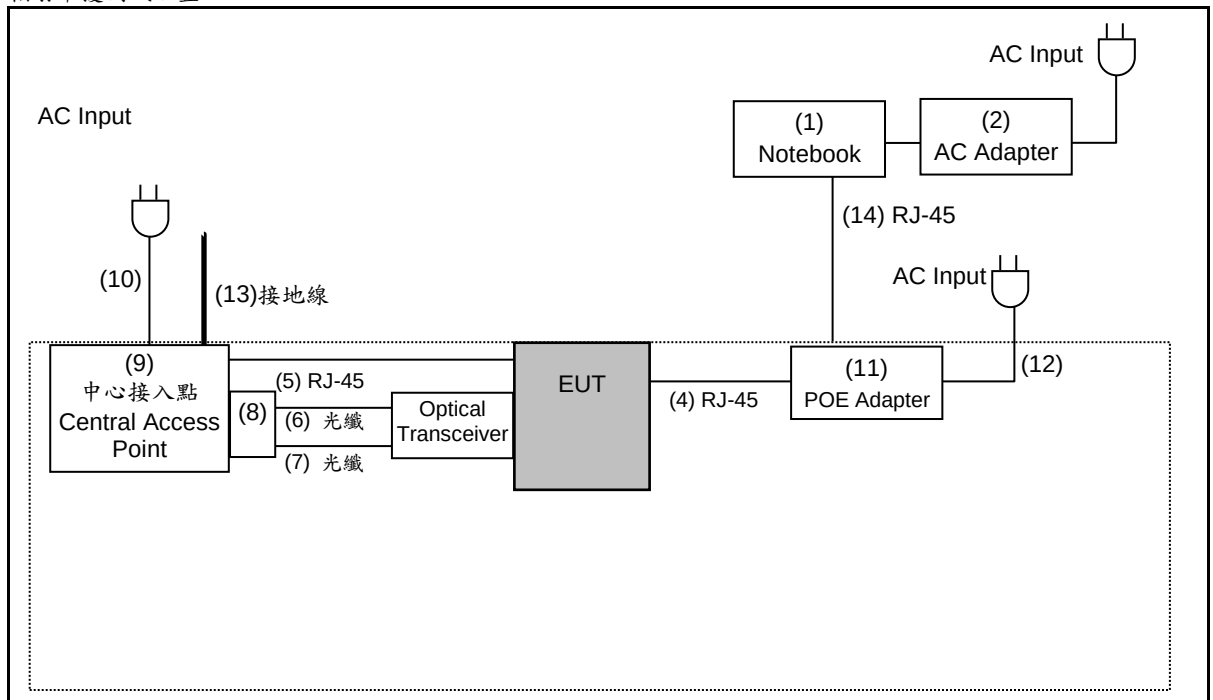
名 稱	廠 牌	型 號	序 號	本次校驗日期	校驗年限
Spectrum Analyzer	KEYSIGHT	N9030B	MY57143537	04/14/2020	1 year
Amplifier	Titan	T0910E0001433 0A1F	001	07/23/2020	1 year
Amplifier	Titan	T0912E0126302 5A1F	002	07/23/2020	1 year
天線	SCHWARZBECK MESS-ELEKTRONIK	VULB9168	01146	07/03/2020	1 year
天線(1~18 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	02207	06/30/2020	1 year
天線(18~40 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	08/18/2020	1 year

2.2 檢驗系統示意圖

電源傳導干擾測試配置



輻射干擾測試配置



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) Notebook	ASUS	P2430U	GANXCV04H 86940A	---	(實驗室提供)
(2) AC Adapter	ASUS	ADP-65GD B	---	Non-Shielded, 0.8 m	INPUT : 100-240 VAC, 50/60 Hz, 1.5 A OUTPUT : 19 VDC, 3.42 A (實驗室提供)
(3) RJ45 Cable	HUAWEI	UL2464	---	---	規格 : RJ45 → RJ45 長度 : 1.5 m (實驗室提供)
(4) RJ45 Cable	HUAWEI	UL2464	---	---	規格 : RJ45 → RJ45 長度 : 1.5 m (實驗室提供)
(5) RJ45 Cable	HUAWEI	UL2464	---	---	規格 : RJ45 → RJ45 長度 : 1.5 m (實驗室提供)
(6) 光纖	HUAWEI	PLCLC56-ST2P 310-HW	---	---	長度 : 10 m, 單 Port (申請者提供)
(7) 光纖	HUAWEI	PLCLC56-ST2P 310-HW	---	---	長度 : 10 m, 單 Port (申請者提供)
(8) Optical Transceiver	HUAWEI	eSFP-GE-SX-M M850	---	---	(申請者提供)
(9) 中心接入點 Central Access Point	HUAWEI	AirEngine9700 D-M	---	---	(申請者提供)
(10) Power Cable	HUAWEI	PD-042	---	---	長度 : 2.9 m (申請者提供)
(11) POE Adapter	HUAWEI	POE85-56A	---	---	INPUT : 100-240 VAC, 50/60 Hz, 1.4 A OUTPUT : 56 VDC, 1.5 A (申請者提供)
(12) Power Cable	HUAWEI	PD-041	---	---	長度 : 1.9 m (申請者提供)
(13) 接地線	HUAWEI	04150617 VC	---	---	長度 : 0.5 m (申請者提供)
(14) RJ45 Cable	大同	CAT5E	---	---	規格 : RJ45 → RJ45 長度 : 5 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。

測試組合：

EUT Configure Mode	CE	RE<1 GHz	RE $\geq$ 1 GHz	備註
Optical Transceiver	V	V	V	
Notebook	V	V	V	測試週邊(1)
AC Adapter	V	V	V	測試週邊(2)
RJ45 Cable	V	---	---	測試週邊(3)
RJ45 Cable	V	V	V	測試週邊(4)
RJ45 Cable	V	V	V	測試週邊(5)
光纖	V	V	V	測試週邊(6)
光纖	V	V	V	測試週邊(7)
Optical Transceiver	V	V	V	測試週邊(8)
中心接入點 Central Access Point	V	V	V	測試週邊(9)
Power Cable	V	V	V	測試週邊(10)
POE Adapter	V	V	V	測試週邊(11)
Power Cable	V	V	V	測試週邊(12)
接地線	V	V	V	測試週邊(13)
RJ45 Cable	---	V	V	測試週邊(14)

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

--- : No evaluation required

Blank Space : Pre-test mode

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

Test Mode
Mode 1: Transmit Mode
Mode 2: LE, GFSK Continuous TX Mode
Mode 3: 2LE, GFSK Continuous TX Mode
Mode 4: Receiver Mode

Test Mode	Frequency (MHz)	RF Power setting in Test Software	Test Software Version
Mode 2	2402	Default	Putty
	2440	Default	
	2480	Default	
Mode 3	2402	Default	
	2440	Default	
	2480	Default	

2.6 量測不確定度

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

Test Item	Frequency Range	Uncertainty
Conducted Emission	150 kHz ~ 30 MHz	2.7 dB
Radiated Emission	9 kHz ~ 30 MHz	2.2 dB
	30 MHz ~ 1000 MHz	5.1 dB
	1000 MHz ~ 18000 MHz	5.1 dB
	18000 MHz ~ 26500 MHz	4.4 dB
	26500 MHz ~ 40000 MHz	4.6 dB
Conducted Output Power	1.1 dB	
RF Bandwidth	4.7 %	
Power Spectral Density	1.1 dB	

2.7 試驗環境

產品測試時之實驗室環境條件如下：

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

3. 測試項目與結果判定總表

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

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	電源線傳導干擾	低功率射頻器材技術規範 3.3節	Annex A.	請參閱2.1節	符合
2	場強輻射 (1 GHz以上)	低功率射頻器材技術規範 3.5節、3.6節、4.10.1.5節	Annex B.	請參閱2.1節	符合
3	場強輻射其它不必要之訊號 (1 GHz以下)	低功率射頻器材技術規範 3.5節、3.6節、4.10.1.5節	Annex B.	請參閱2.1節	符合
4	頻帶邊緣外之輻射發射	低功率射頻器材技術規範 4.10.1.5節	Annex B.	請參閱2.1節	符合
5	輸出峰值功率	低功率射頻器材技術規範 4.10.1.2(1)(C)節	Annex C.	請參閱2.1節	符合
6	非必要頻帶	低功率射頻器材技術規範 4.10.1.5(1)節	Annex C.	請參閱2.1節	符合
7	發射頻寬	低功率射頻器材技術規範 4.10.1.6(2)(A)節	Annex C.	請參閱2.1節	符合
8	功率密度	低功率射頻器材技術規範 4.10.1.6(2)(B)節	Annex C.	請參閱2.1節	符合
9	天線規格	低功率射頻器材技術規範 4.10.1.3(3)節、4.10.1.4節	請參閱4.7節	-----	符合

Decision Rule

- ☒ Uncertainty is not included.
- ☐ Uncertainty is included.

4. 測試項目表列

4.1 電源線傳導干擾之量測

合格標準：

依據 NCC 低功率射頻器材技術規範(LP0002)之 3.3 節，以市電為電源之低功率射頻器材，其傳導回電源線上頻率自 150 kHz 至 30 MHz 之射頻電壓（在電源端子每一電源線對接地點）不得超過下表所列之限值。測量時應經過 50 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。

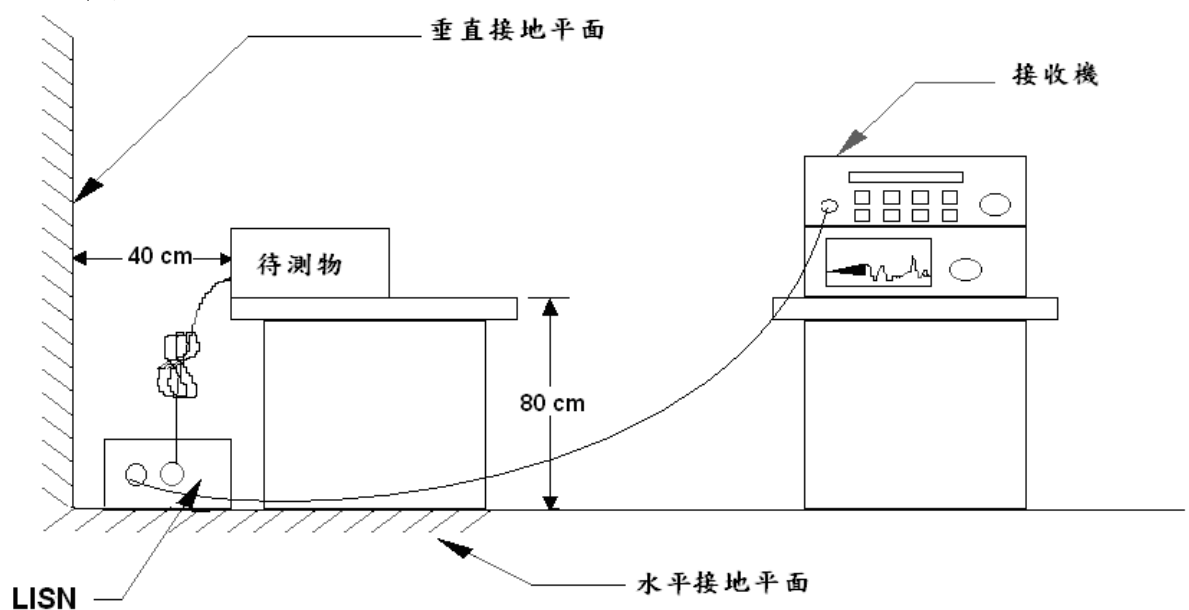
干擾值之計算

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：



4.2 場強輻射之量測

合格標準：

依據 NCC 低功率射頻器材技術規範(LP0002)之使用頻帶範圍外之任意 100 千赫 (kHz)內，發射機所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 千赫(kHz)內的射頻功率，至少須衰減 20 dB，以射頻傳導或輻射方式測量。如發射機以依據 NCC 低功率射頻器材技術規範(LP0002)之 4.10.1.5(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 3.5 節禁用頻段之輻射發射，應符合第 3.6 節之規定。

依據 NCC 低功率射頻器材技術規範第 3.5 節之規定，禁用頻段如下：

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

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

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。

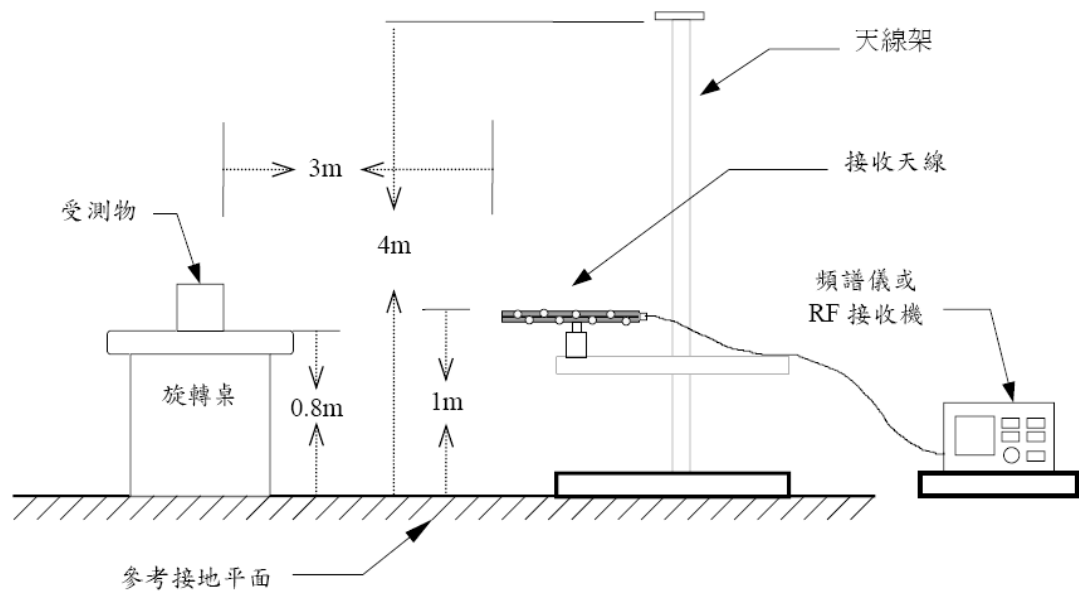
場強度之計算

場強之計算公式為：結果值 = 讀值 + 校正因子

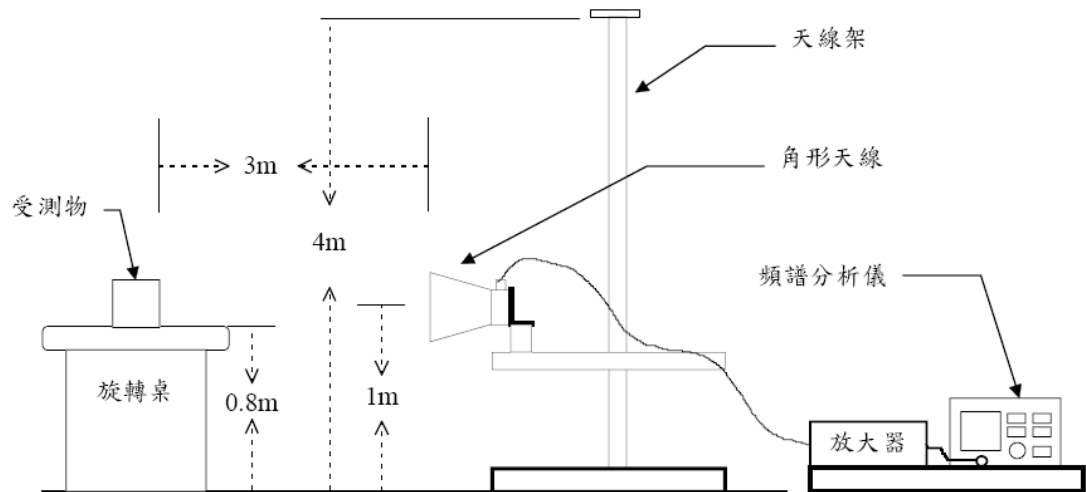
其中校正因子為：天線因子+ 饋線損失 + 濾波器損失（若有使用） - 放大器增益（若有使用）

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



4.3 輸出峰值功率之量測

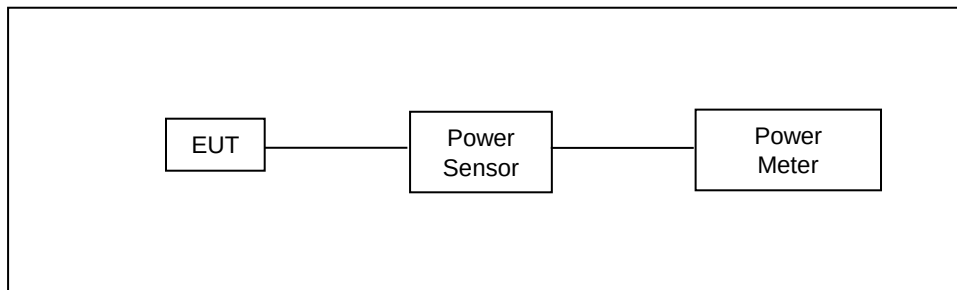
合格標準：

LE/2LE

依據 NCC 低功率射頻器材技術規範(LP0002)之 4.10.1.2(1)(C)節之要求，操作於 2400-2483.5 兆赫(MHz)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：

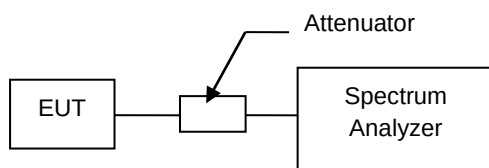


4.4 非必要頻帶之量測

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，須衰減 20 分貝(dB)，以射頻傳導或輻射方式測量。

測試架構圖：



附註 1: 於使用頻帶範圍之任意 100 千赫 (kHz)內，發射器所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 千赫 (kHz)內的射頻功率，衰減 20 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 20 dB。

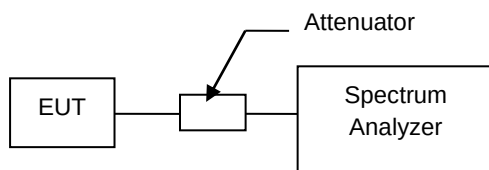
4.5 發射頻寬之要求

合格標準:

LE/2LE

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

測試架構圖：

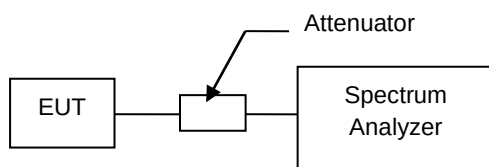


4.6 功率密度之要求

合格標準:

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

測試架構圖：



4.7 天線規格之要求

合格標準:

依據 NCC 低功率射頻器材技術規範(LP0002)之 4.10.1.3(3)節之要求，除 4.10.1.3(1)及 4.10.1.3(2)外，使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率限制值。

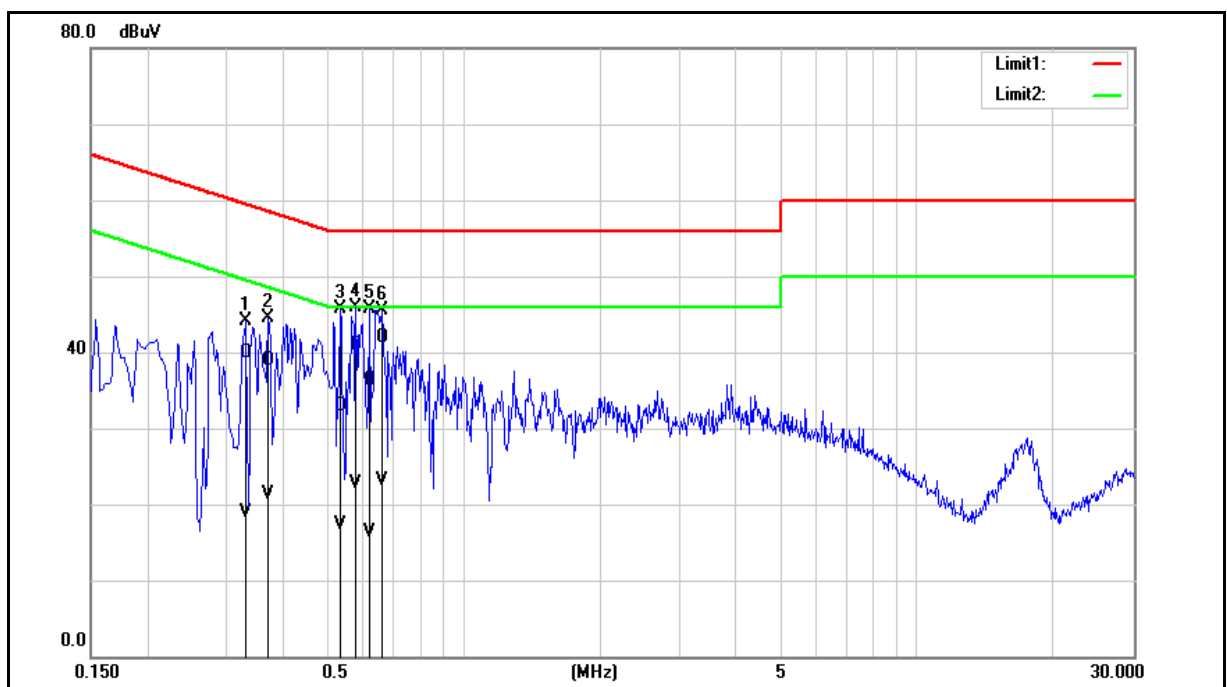
依據 NCC 低功率射頻器材技術規範(LP0002)之 4.10.1.4 節之要求，天線之規格不受第 3.2 節規定之限制

判定結果：符合。

5. Test Results

Annex A. Conducted Emission

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

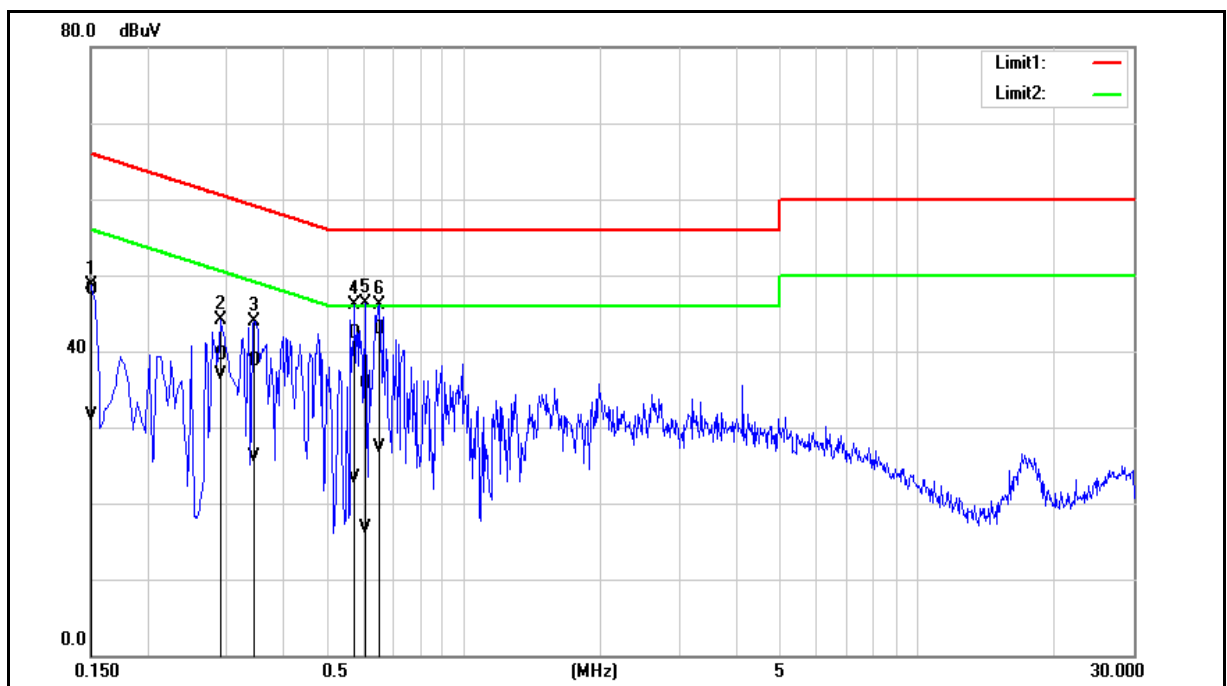


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.3300	30.27	9.30	9.70	39.97	19.00	59.45	49.45	-19.48	-30.45	Pass
2	0.3700	29.16	11.64	9.70	38.86	21.34	58.50	48.50	-19.64	-27.16	Pass
3	0.5340	23.19	7.63	9.71	32.90	17.34	56.00	46.00	-23.10	-28.66	Pass
4	0.5780	31.11	12.90	9.71	40.82	22.61	56.00	46.00	-15.18	-23.39	Pass
5	0.6180	26.56	6.55	9.71	36.27	16.26	56.00	46.00	-19.73	-29.74	Pass
6	0.6580	32.27	13.34	9.71	41.98	23.05	56.00	46.00	-14.02	-22.95	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	38.43	21.72	9.69	48.12	31.41	66.00	56.00	-17.88	-24.59	Pass
2	0.2900	29.77	27.24	9.70	39.47	36.94	60.52	50.52	-21.05	-13.58	Pass
3	0.3460	29.11	16.43	9.69	38.80	26.12	59.06	49.06	-20.26	-22.94	Pass
4	0.5740	32.57	13.62	9.70	42.27	23.32	56.00	46.00	-13.73	-22.68	Pass
5	0.6060	25.94	7.01	9.70	35.64	16.71	56.00	46.00	-20.36	-29.29	Pass
6	0.6500	33.16	17.54	9.70	42.86	27.24	56.00	46.00	-13.14	-18.76	Pass

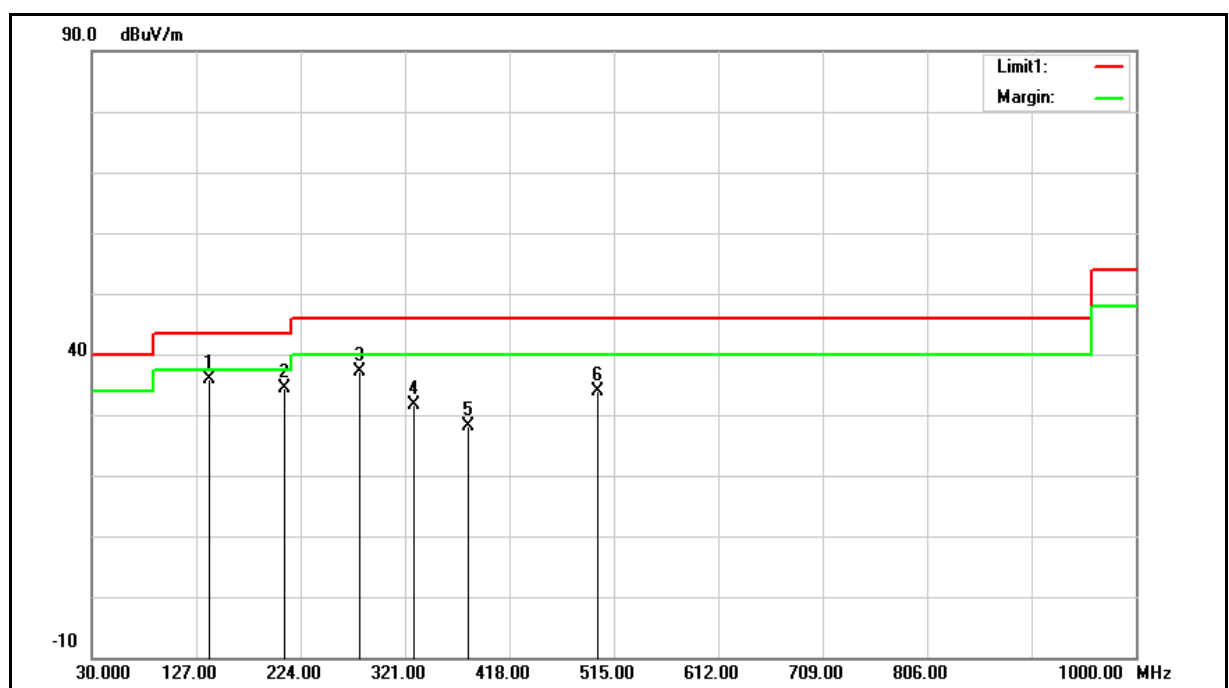
註：1. 干擾值(dBuV) = 校正係數(dB) + 讀值(dBuV)。

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

Annex B. Radiated Emission Measurement

其它不必要之訊號 (1 GHz 以下)

Standard:	LP0002	Test Distance:	3 m
Test item:	Radiated Emission		
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	139.6100	60.66	-24.72	35.94	43.50	-7.56	QP
2	209.4500	61.12	-26.84	34.28	43.50	-9.22	QP
3	279.2900	61.41	-24.17	37.24	46.00	-8.76	QP
4	329.7300	54.50	-22.94	31.56	46.00	-14.44	QP
5	380.1700	49.87	-21.77	28.10	46.00	-17.90	QP
6	500.4500	53.60	-19.64	33.96	46.00	-12.04	QP

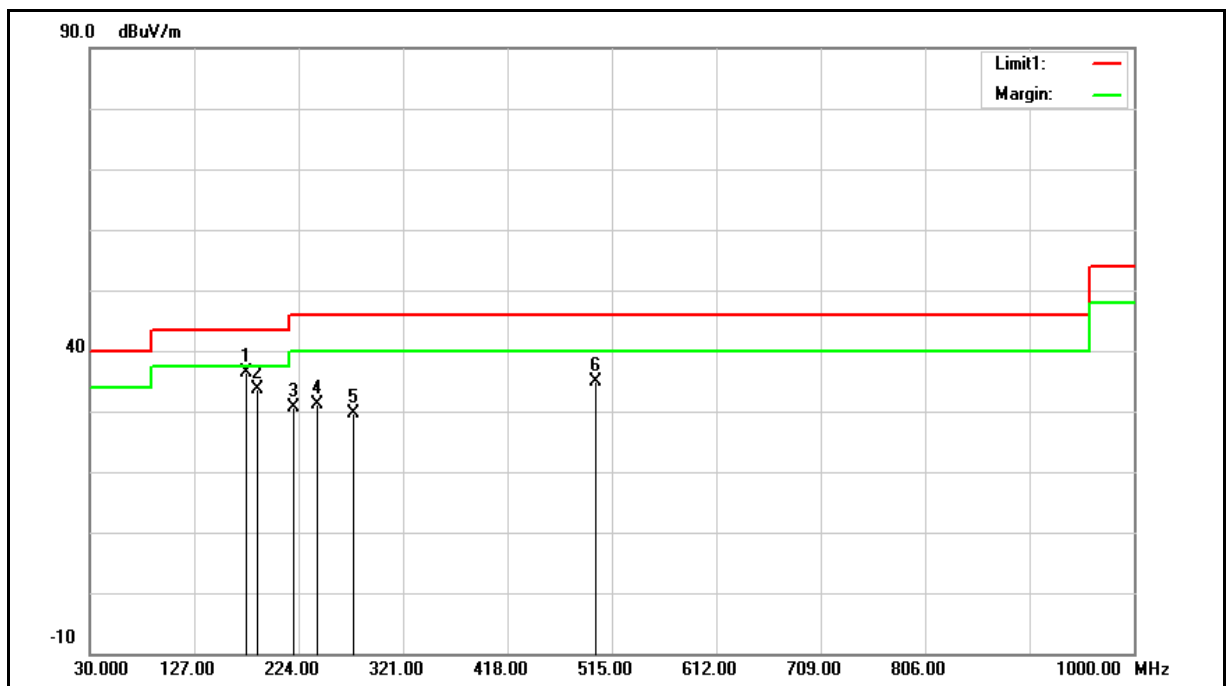
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: $35.94 = -24.72 + 60.66$

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:	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	175.5000	61.74	-25.30	36.44	43.50	-7.06	QP
2	186.1700	60.29	-26.61	33.68	43.50	-9.82	QP
3	219.1500	57.18	-26.64	30.54	46.00	-15.46	QP
4	241.4600	56.71	-25.54	31.17	46.00	-14.83	QP
5	274.4400	54.02	-24.38	29.64	46.00	-16.36	QP
6	500.4500	54.40	-19.64	34.76	46.00	-11.24	QP

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

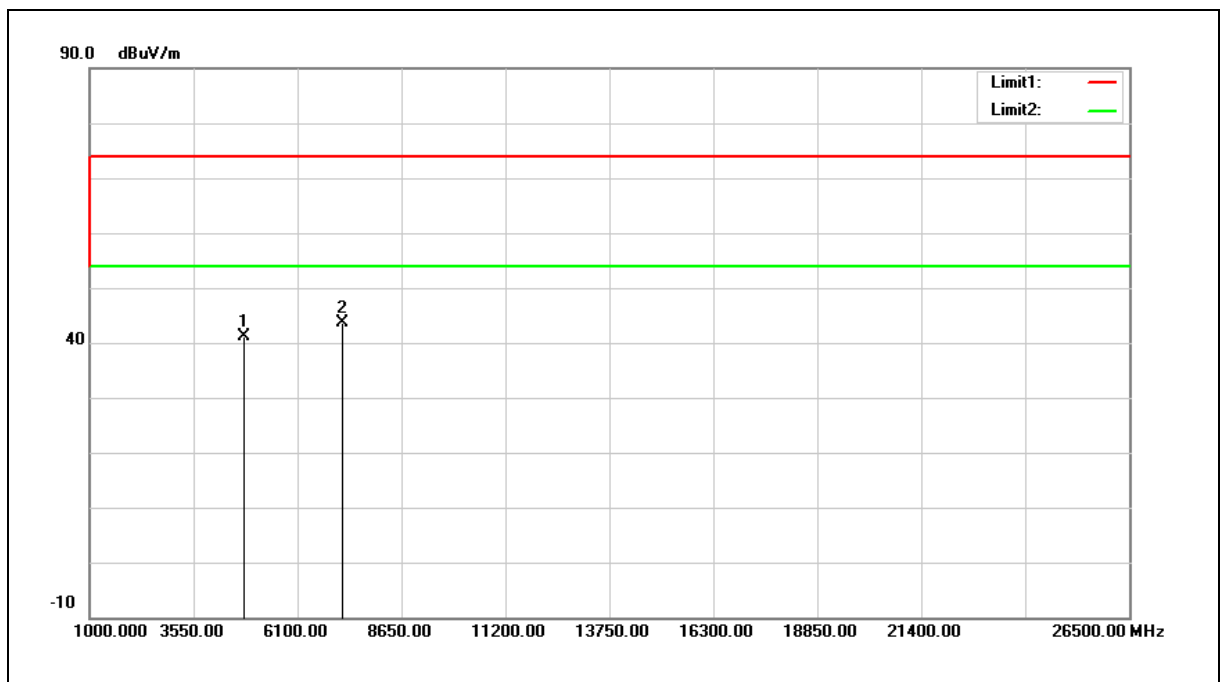
Example: $36.44 = -25.30 + 61.74$

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		



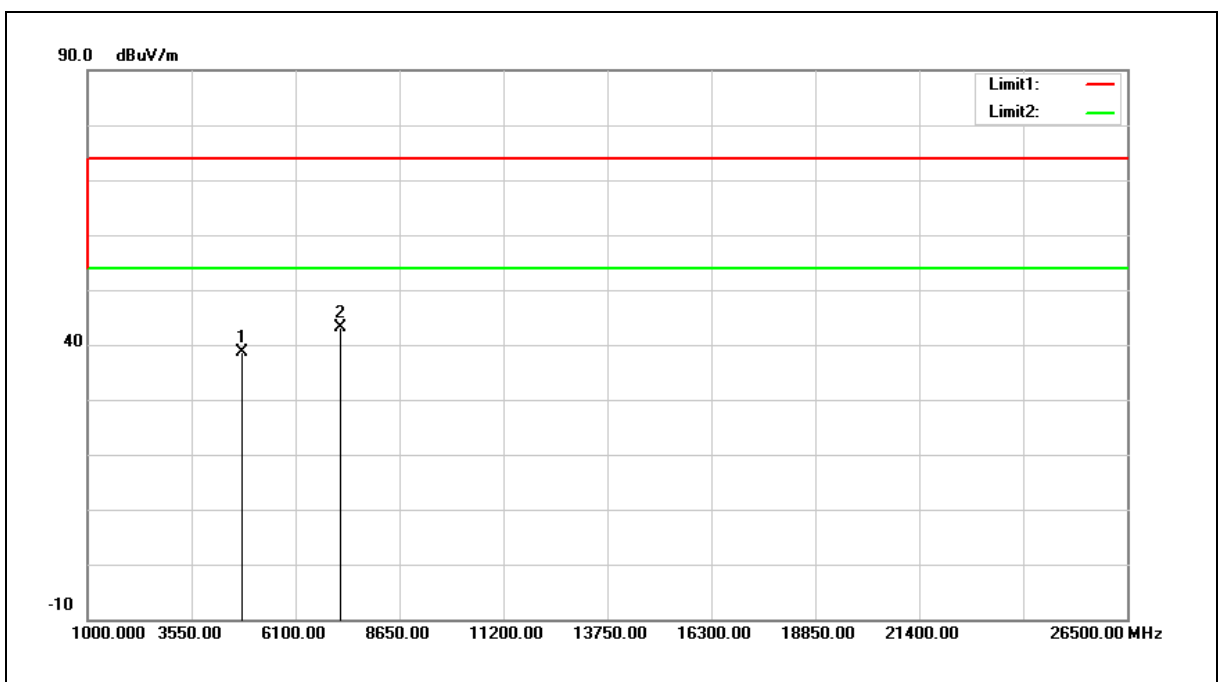
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	42.47	-1.30	41.17	74.00	-32.83	peak
2	7206.000	37.77	5.74	43.51	74.00	-30.49	peak

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

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

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

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



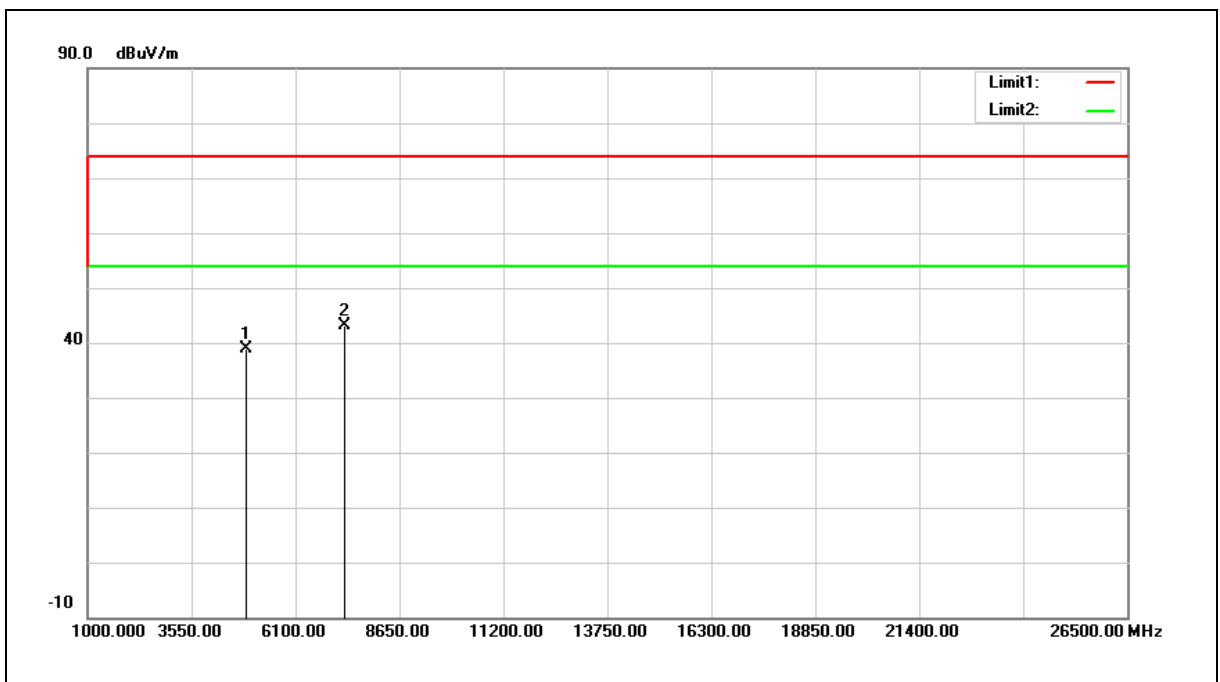
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	40.03	-1.30	38.73	74.00	-35.27	peak
2	7206.000	37.40	5.74	43.14	74.00	-30.86	peak

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		
Frequency:	2440 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



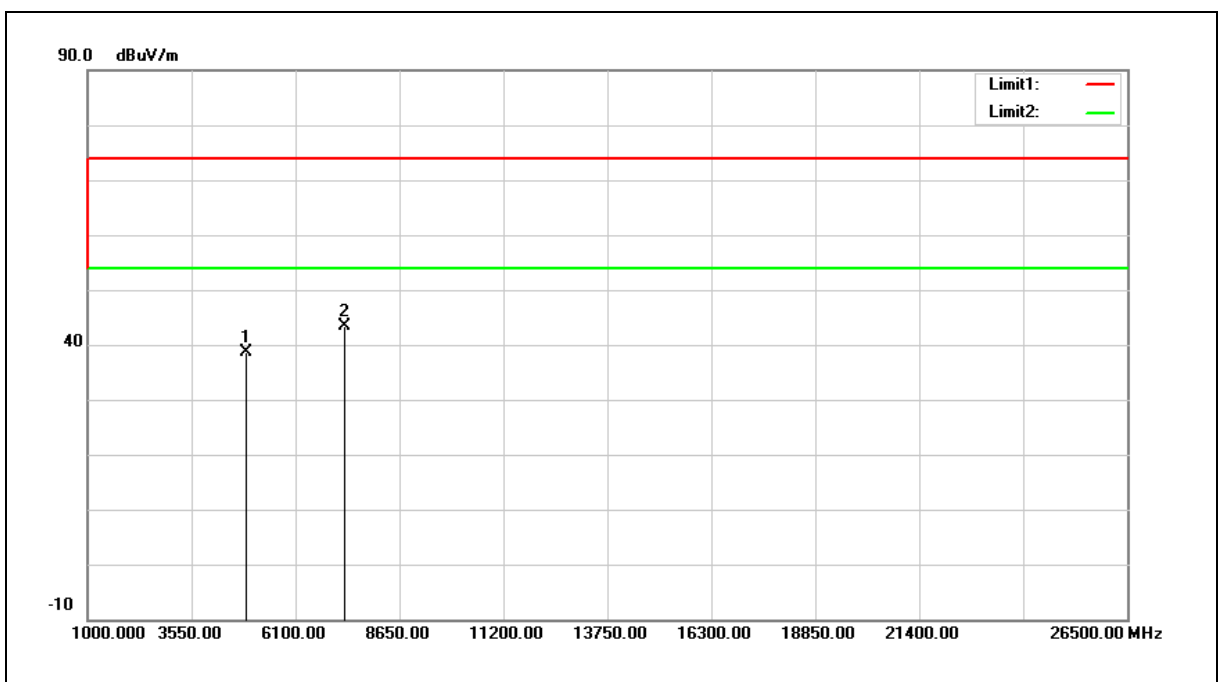
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4880.000	40.09	-1.11	38.98	74.00	-35.02	peak
2	7320.000	36.89	6.15	43.04	74.00	-30.96	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	2440 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



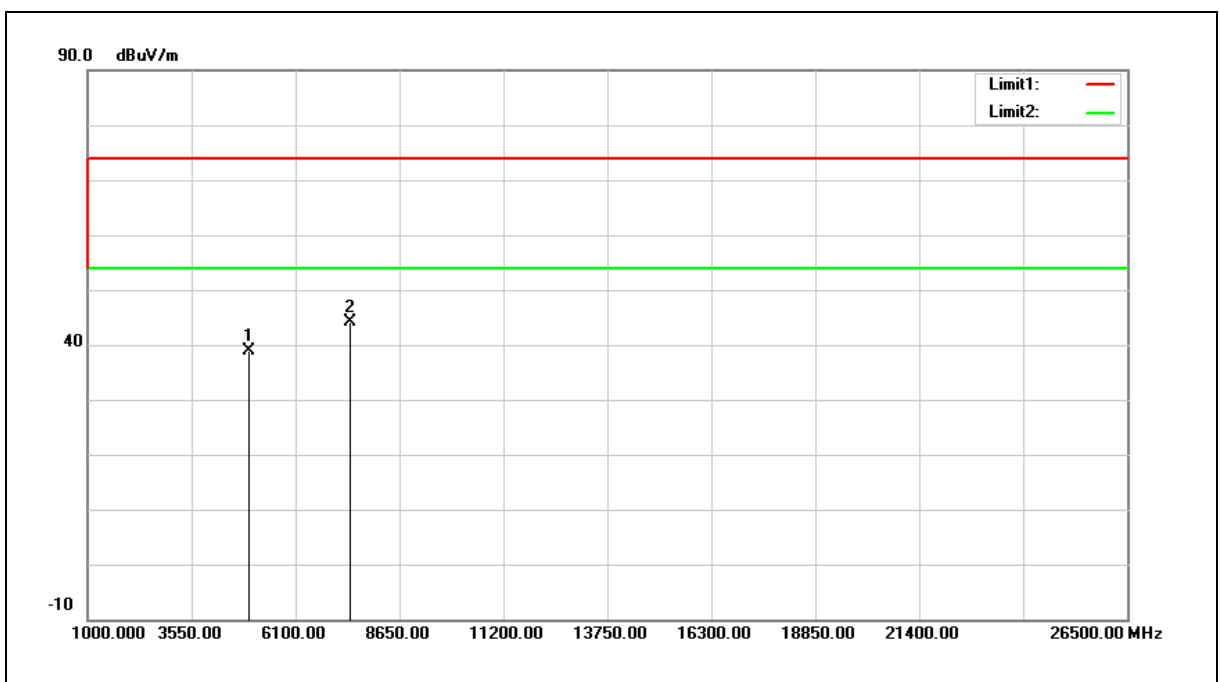
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4880.000	39.69	-1.11	38.58	74.00	-35.42	peak
2	7320.000	37.21	6.15	43.36	74.00	-30.64	peak

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		
Frequency:	2480 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



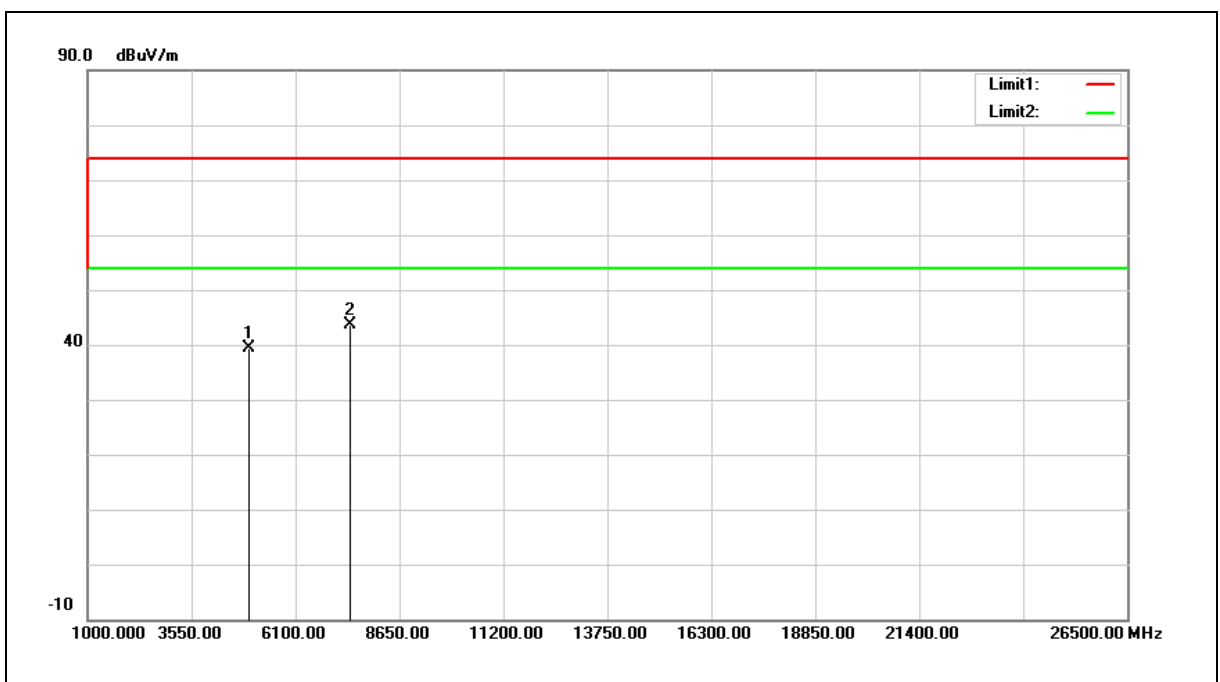
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	39.87	-0.88	38.99	74.00	-35.01	peak
2	7440.000	37.52	6.56	44.08	74.00	-29.92	peak

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		



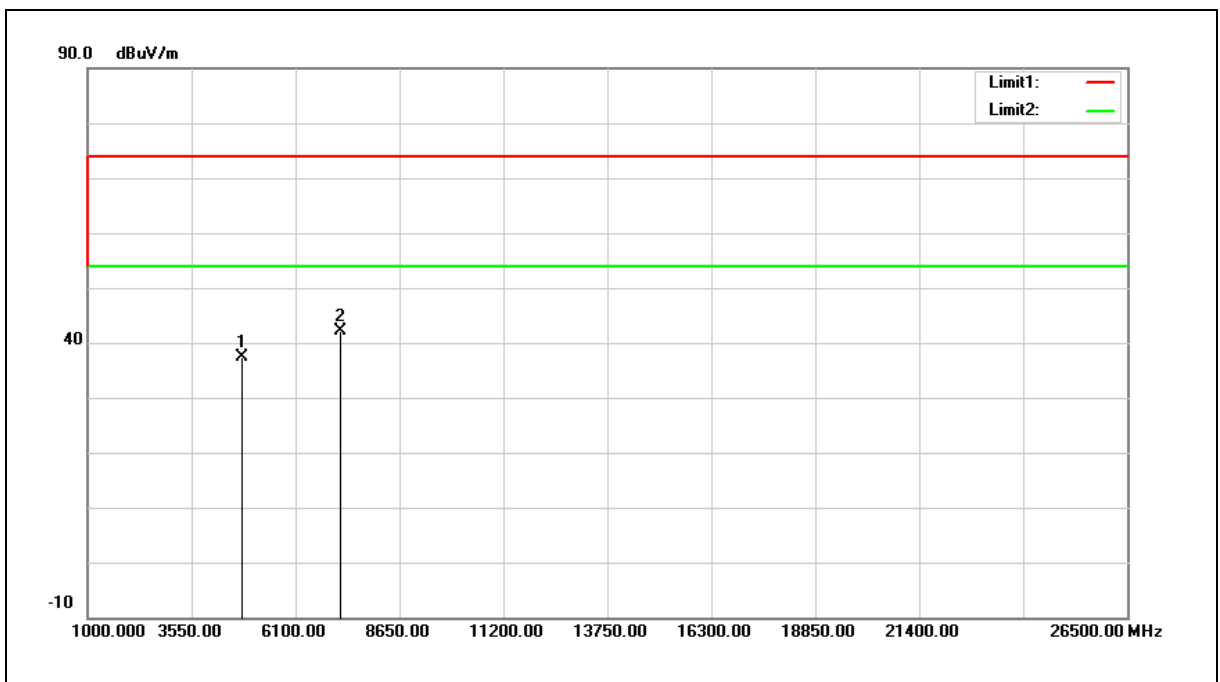
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	40.17	-0.88	39.29	74.00	-34.71	peak
2	7440.000	37.13	6.56	43.69	74.00	-30.31	peak

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:	Harmonic		
Frequency:	2402 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



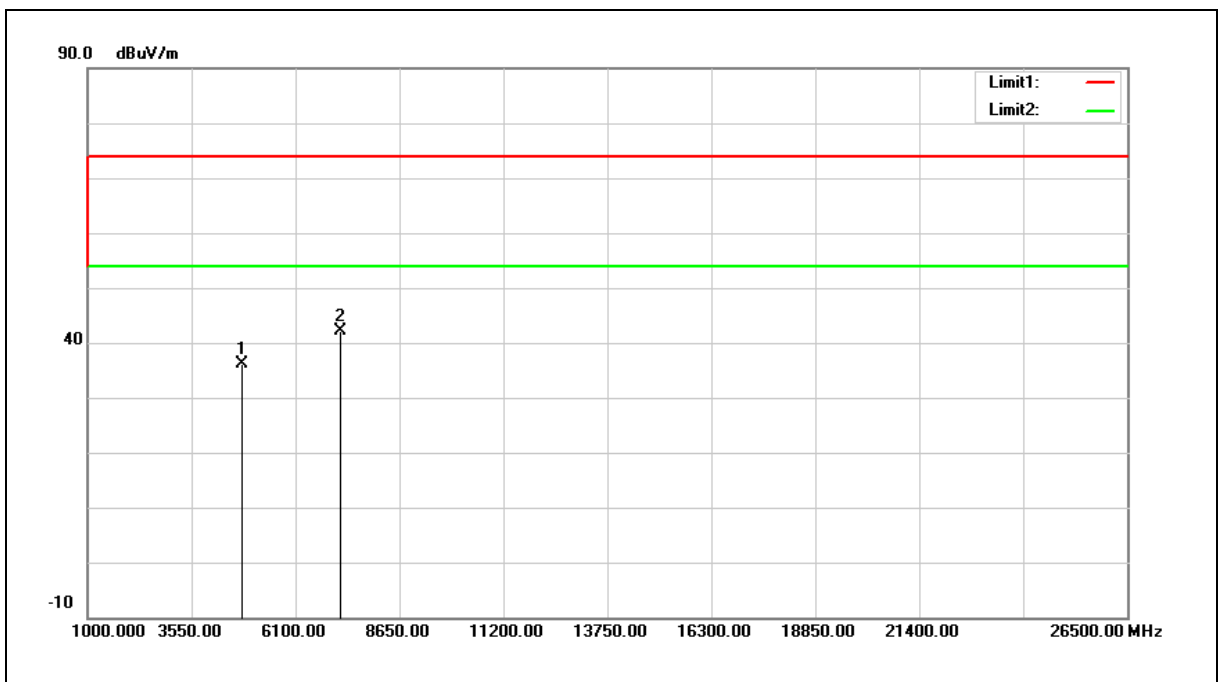
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	38.79	-1.30	37.49	74.00	-36.51	peak
2	7206.000	36.50	5.74	42.24	74.00	-31.76	peak

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

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

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

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



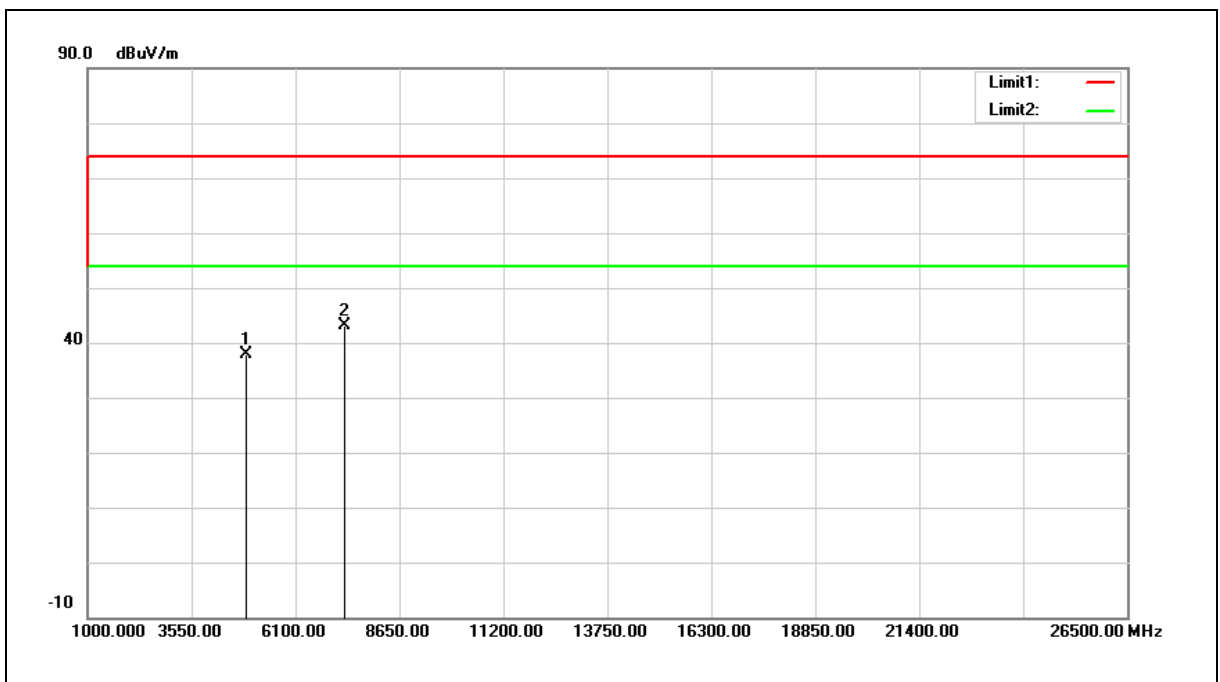
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	37.48	-1.30	36.18	74.00	-37.82	peak
2	7206.000	36.43	5.74	42.17	74.00	-31.83	peak

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

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

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

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



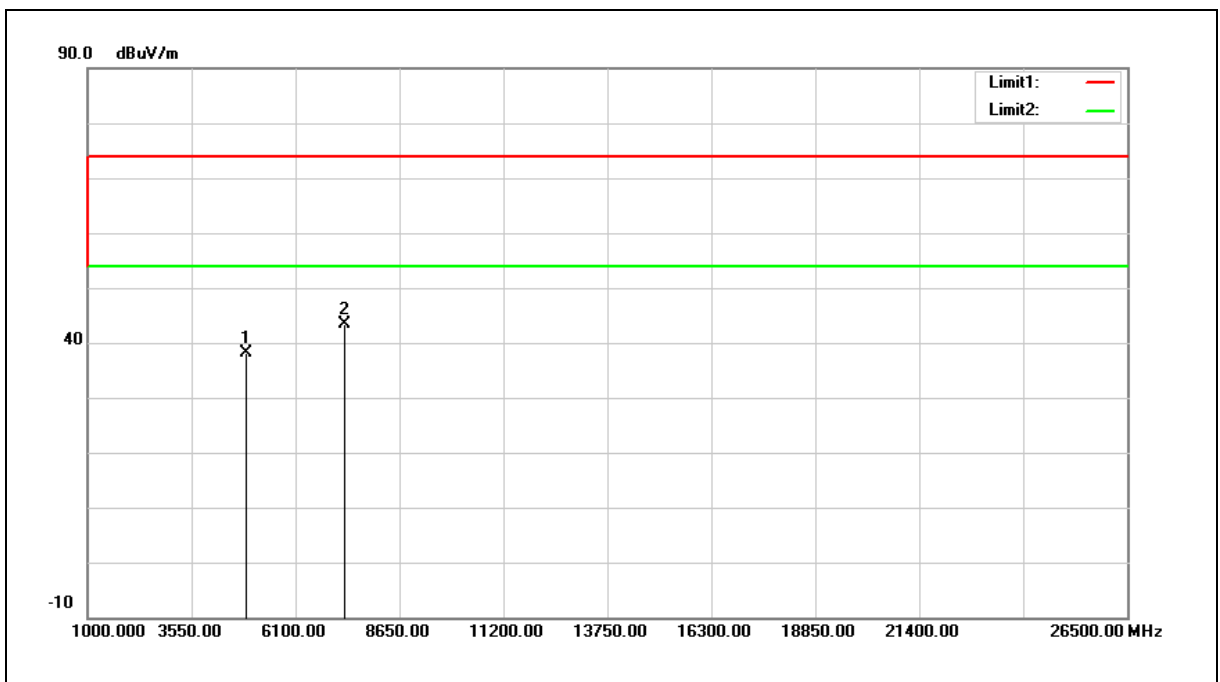
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4880.000	38.98	-1.11	37.87	74.00	-36.13	peak
2	7320.000	37.03	6.15	43.18	74.00	-30.82	peak

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

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

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

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



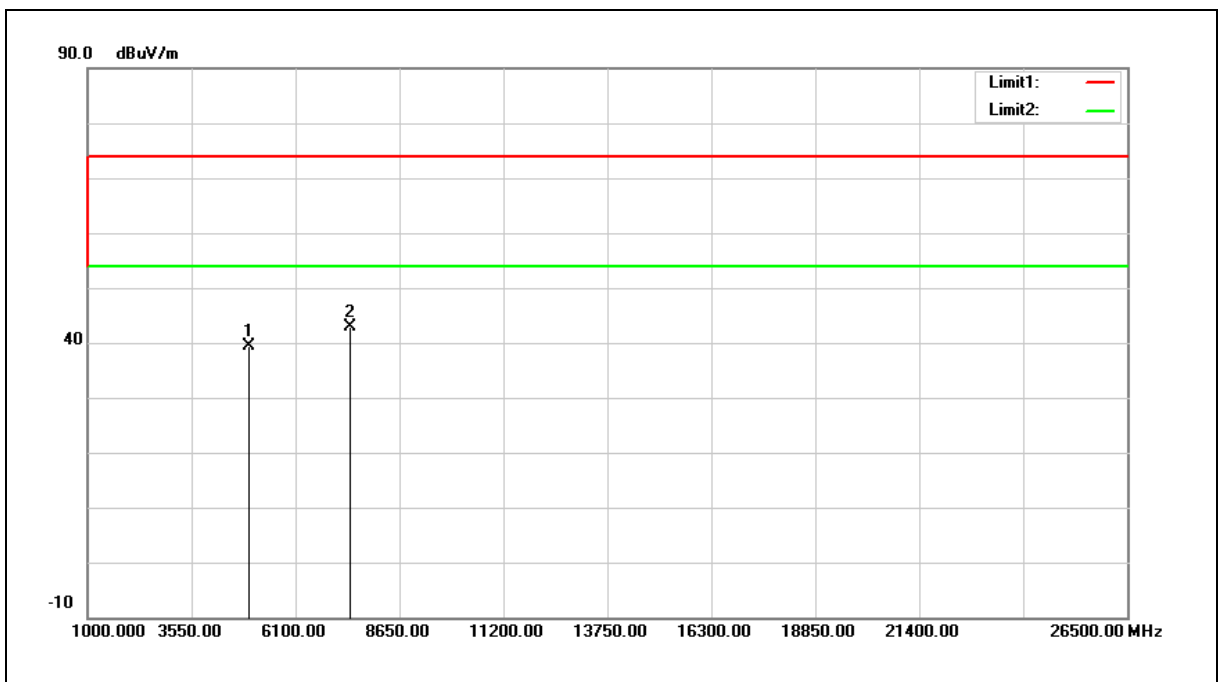
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4880.000	39.27	-1.11	38.16	74.00	-35.84	peak
2	7320.000	37.32	6.15	43.47	74.00	-30.53	peak

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.

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



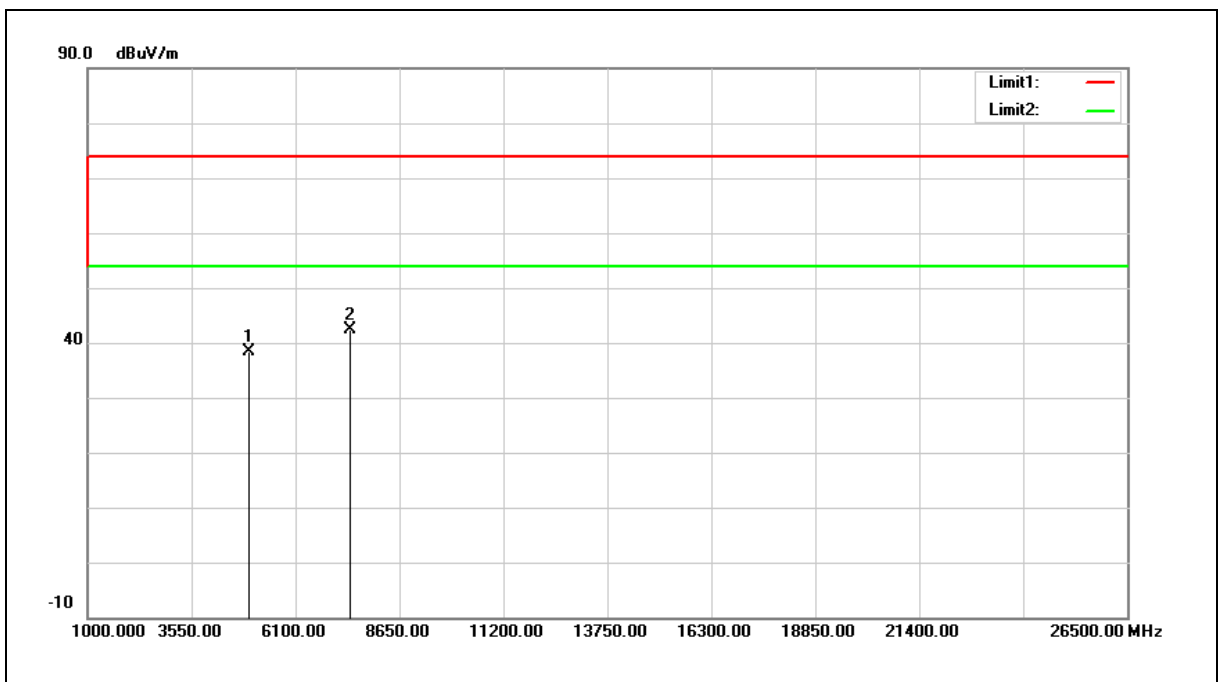
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	40.18	-0.88	39.30	74.00	-34.70	peak
2	7440.000	36.30	6.56	42.86	74.00	-31.14	peak

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

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

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

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



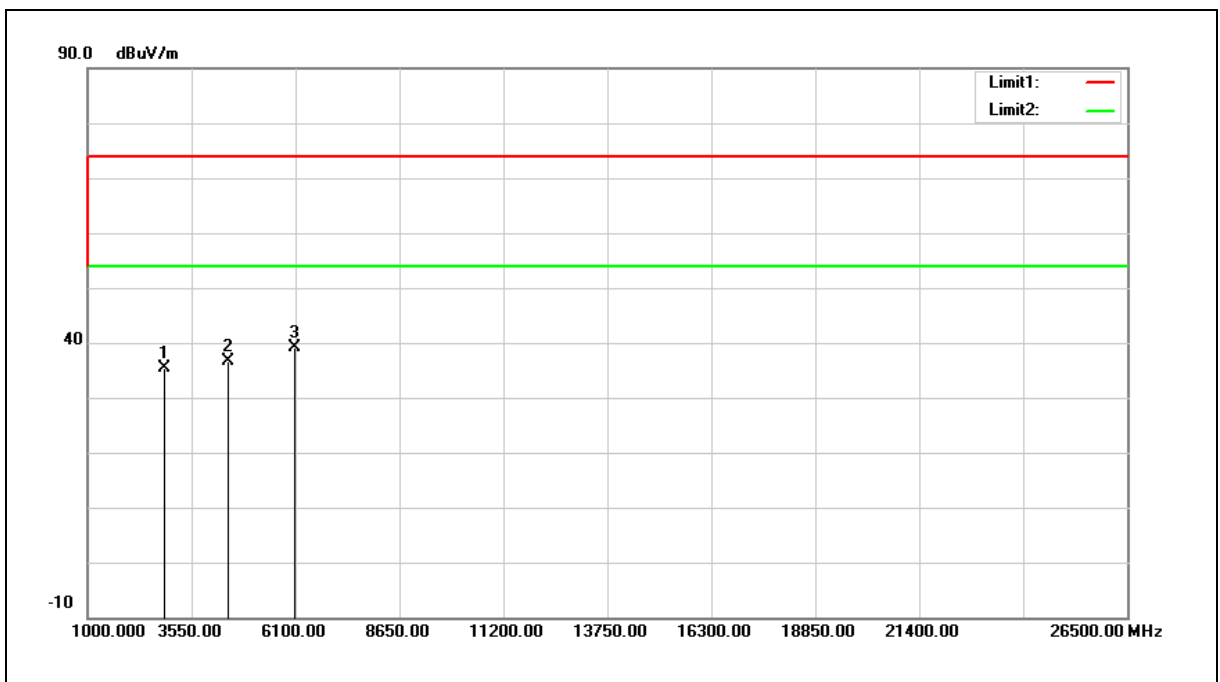
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	39.33	-0.88	38.45	74.00	-35.55	peak
2	7440.000	35.81	6.56	42.37	74.00	-31.63	peak

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:	Harmonic		
Mode:	Mode 4		
Ant.Polar.:	Vertical		
Description:			



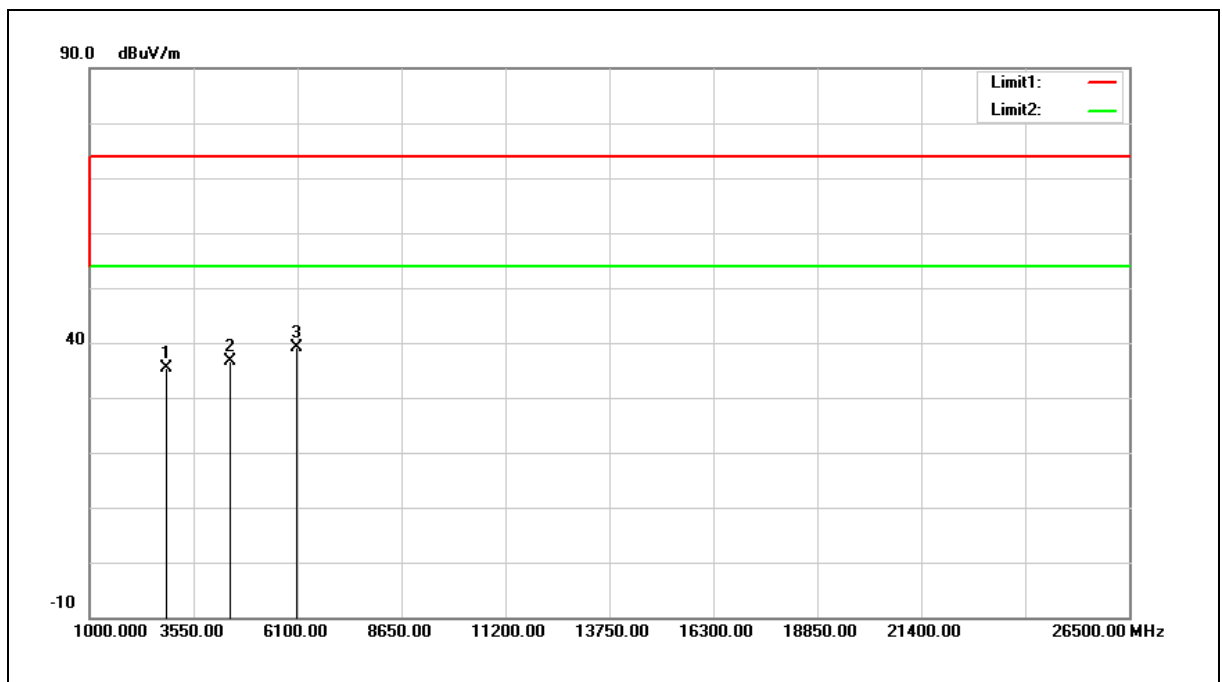
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2887.000	41.04	-5.70	35.34	74.00	-38.66	peak
2	4451.000	38.98	-2.28	36.70	74.00	-37.30	peak
3	6083.000	37.23	1.86	39.09	74.00	-34.91	peak

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:	Harmonic		
Mode:	Mode 4		
Ant.Polar.:	Vertical		
Description:			



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2887.000	41.04	-5.70	35.34	74.00	-38.66	peak
2	4451.000	38.98	-2.28	36.70	74.00	-37.30	peak
3	6083.000	37.23	1.86	39.09	74.00	-34.91	peak

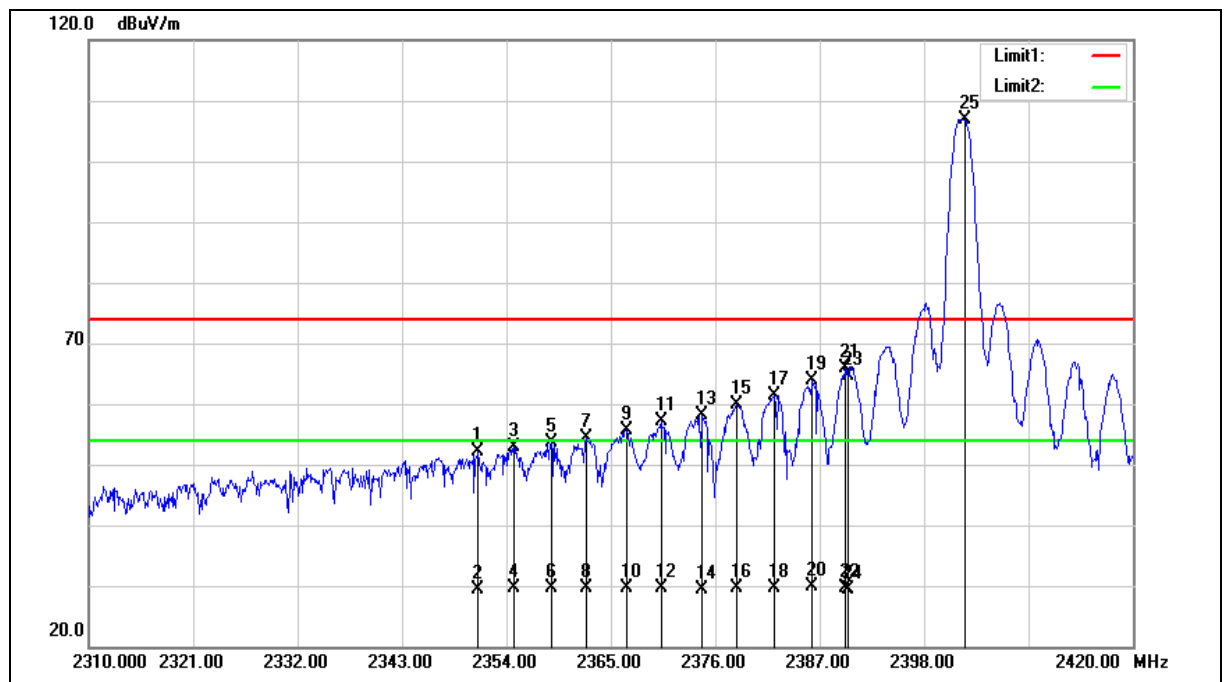
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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.

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



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

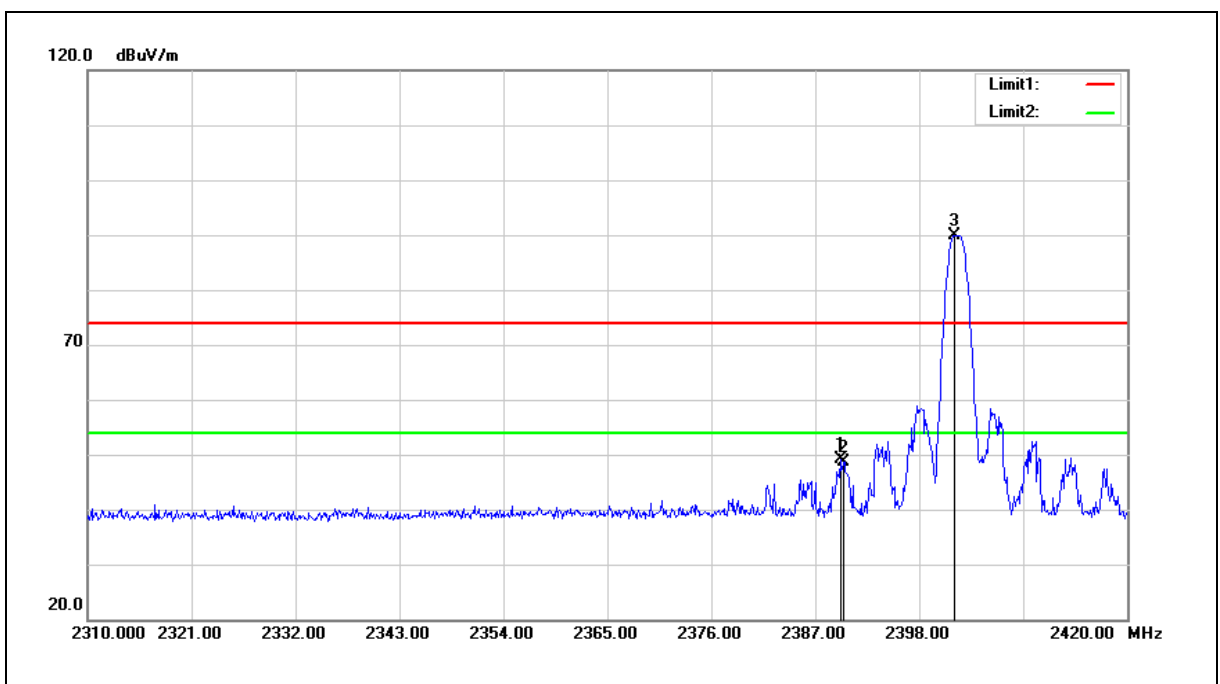
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2351.030	59.96	-7.88	52.08	74.00	-21.92	peak
2	2351.030	37.33	-7.88	29.45	54.00	-24.55	AVG
3	2354.770	60.63	-7.87	52.76	74.00	-21.24	peak
4	2354.770	37.45	-7.87	29.58	54.00	-24.42	AVG
5	2358.730	61.39	-7.84	53.55	74.00	-20.45	peak
6	2358.730	37.56	-7.84	29.72	54.00	-24.28	AVG
7	2362.360	62.24	-7.83	54.41	74.00	-19.59	peak
8	2362.360	37.47	-7.83	29.64	54.00	-24.36	AVG
9	2366.650	63.49	-7.82	55.67	74.00	-18.33	peak
10	2366.650	37.41	-7.82	29.59	54.00	-24.41	AVG
11	2370.280	64.96	-7.80	57.16	74.00	-16.84	peak
12	2370.280	37.33	-7.80	29.53	54.00	-24.47	AVG
13	2374.570	65.81	-7.78	58.03	74.00	-15.97	peak
14	2374.570	37.27	-7.78	29.49	54.00	-24.51	AVG
15	2378.200	67.66	-7.77	59.89	74.00	-14.11	peak
16	2378.200	37.33	-7.77	29.56	54.00	-24.44	AVG
17	2382.270	69.18	-7.75	61.43	74.00	-12.57	peak
18	2382.270	37.43	-7.75	29.68	54.00	-24.32	AVG
19	2386.230	71.59	-7.73	63.86	74.00	-10.14	peak
20	2386.230	37.49	-7.73	29.76	54.00	-24.24	AVG
21	2389.750	73.66	-7.72	65.94	74.00	-8.06	peak
22	2389.750	37.30	-7.72	29.58	54.00	-24.42	AVG
23	2390.000	72.47	-7.72	64.75	74.00	-9.25	peak
24	2390.000	37.12	-7.72	29.40	54.00	-24.60	AVG
25	2402.290	114.52	-7.66	106.86	--	--	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 2		
Ant.Polar.:	Vertical		



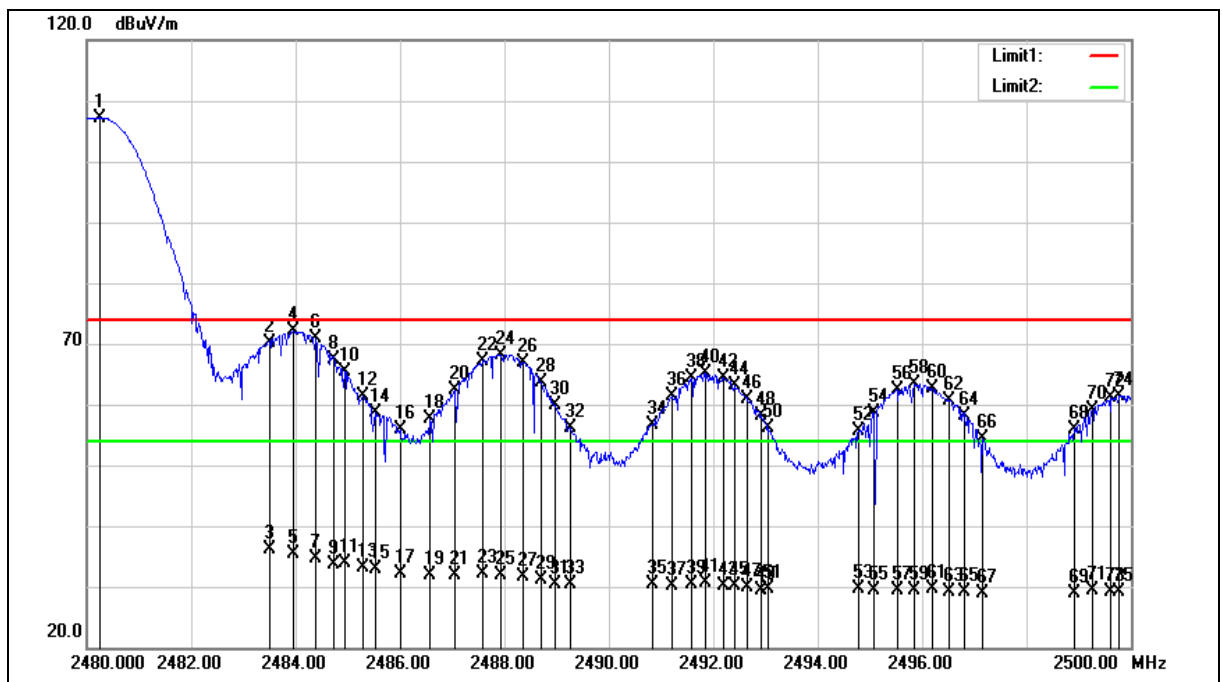
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.640	56.95	-7.72	49.23	74.00	-24.77	peak
2	2390.000	56.36	-7.72	48.64	74.00	-25.36	peak
3	2401.740	97.58	-7.66	89.92	--	--	peak

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		



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	2480.240	114.60	-7.35	107.25	--	--	peak
2	2483.500	77.58	-7.34	70.24	74.00	-3.76	peak
3	2483.500	43.58	-7.34	36.24	54.00	-17.76	AVG
4	2483.960	79.39	-7.34	72.05	74.00	-1.95	peak
5	2483.960	42.63	-7.34	35.29	54.00	-18.71	AVG
6	2484.380	78.14	-7.34	70.80	74.00	-3.20	peak
7	2484.380	41.86	-7.34	34.52	54.00	-19.48	AVG
8	2484.740	74.72	-7.34	67.38	74.00	-6.62	peak
9	2484.740	41.06	-7.34	33.72	54.00	-20.28	AVG
10	2484.940	72.78	-7.34	65.44	74.00	-8.56	peak
11	2484.940	41.19	-7.34	33.85	54.00	-20.15	AVG
12	2485.300	68.70	-7.32	61.38	74.00	-12.62	peak
13	2485.300	40.33	-7.32	33.01	54.00	-20.99	AVG
14	2485.520	65.89	-7.32	58.57	74.00	-15.43	peak
15	2485.520	40.12	-7.32	32.80	54.00	-21.20	AVG
16	2486.000	63.17	-7.32	55.85	74.00	-18.15	peak
17	2486.000	39.51	-7.32	32.19	54.00	-21.81	AVG
18	2486.580	64.88	-7.32	57.56	74.00	-16.44	peak
19	2486.580	39.10	-7.32	31.78	54.00	-22.22	AVG
20	2487.060	69.62	-7.32	62.30	74.00	-11.70	peak
21	2487.060	39.21	-7.32	31.89	54.00	-22.11	AVG
22	2487.580	74.43	-7.32	67.11	74.00	-6.89	peak
23	2487.580	39.37	-7.32	32.05	54.00	-21.95	AVG
24	2487.940	75.53	-7.32	68.21	74.00	-5.79	peak
25	2487.940	39.10	-7.32	31.78	54.00	-22.22	AVG
26	2488.360	74.27	-7.31	66.96	74.00	-7.04	peak
27	2488.360	38.90	-7.31	31.59	54.00	-22.41	AVG

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
28	2488.700	70.99	-7.31	63.68	74.00	-10.32	peak
29	2488.700	38.47	-7.31	31.16	54.00	-22.84	AVG
30	2488.960	67.14	-7.31	59.83	74.00	-14.17	peak
31	2488.960	37.59	-7.31	30.28	54.00	-23.72	AVG
32	2489.260	63.49	-7.31	56.18	74.00	-17.82	peak
33	2489.260	37.66	-7.31	30.35	54.00	-23.65	AVG
34	2490.840	64.03	-7.31	56.72	74.00	-17.28	peak
35	2490.840	37.60	-7.31	30.29	54.00	-23.71	AVG
36	2491.220	68.68	-7.31	61.37	74.00	-12.63	peak
37	2491.220	37.40	-7.31	30.09	54.00	-23.91	AVG
38	2491.580	71.60	-7.31	64.29	74.00	-9.71	peak
39	2491.580	37.69	-7.31	30.38	54.00	-23.62	AVG
40	2491.840	72.35	-7.30	65.05	74.00	-8.95	peak
41	2491.840	37.94	-7.30	30.64	54.00	-23.36	AVG
42	2492.200	71.77	-7.30	64.47	74.00	-9.53	peak
43	2492.200	37.48	-7.30	30.18	54.00	-23.82	AVG
44	2492.400	70.46	-7.30	63.16	74.00	-10.84	peak
45	2492.400	37.37	-7.30	30.07	54.00	-23.93	AVG
46	2492.660	68.06	-7.30	60.76	74.00	-13.24	peak
47	2492.660	37.25	-7.30	29.95	54.00	-24.05	AVG
48	2492.920	65.35	-7.30	58.05	74.00	-15.95	peak
49	2492.920	36.80	-7.30	29.50	54.00	-24.50	AVG
50	2493.060	63.33	-7.30	56.03	74.00	-17.97	peak
51	2493.060	36.87	-7.30	29.57	54.00	-24.43	AVG
52	2494.780	62.82	-7.29	55.53	74.00	-18.47	peak
53	2494.780	36.96	-7.29	29.67	54.00	-24.33	AVG
54	2495.080	66.02	-7.28	58.74	74.00	-15.26	peak

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

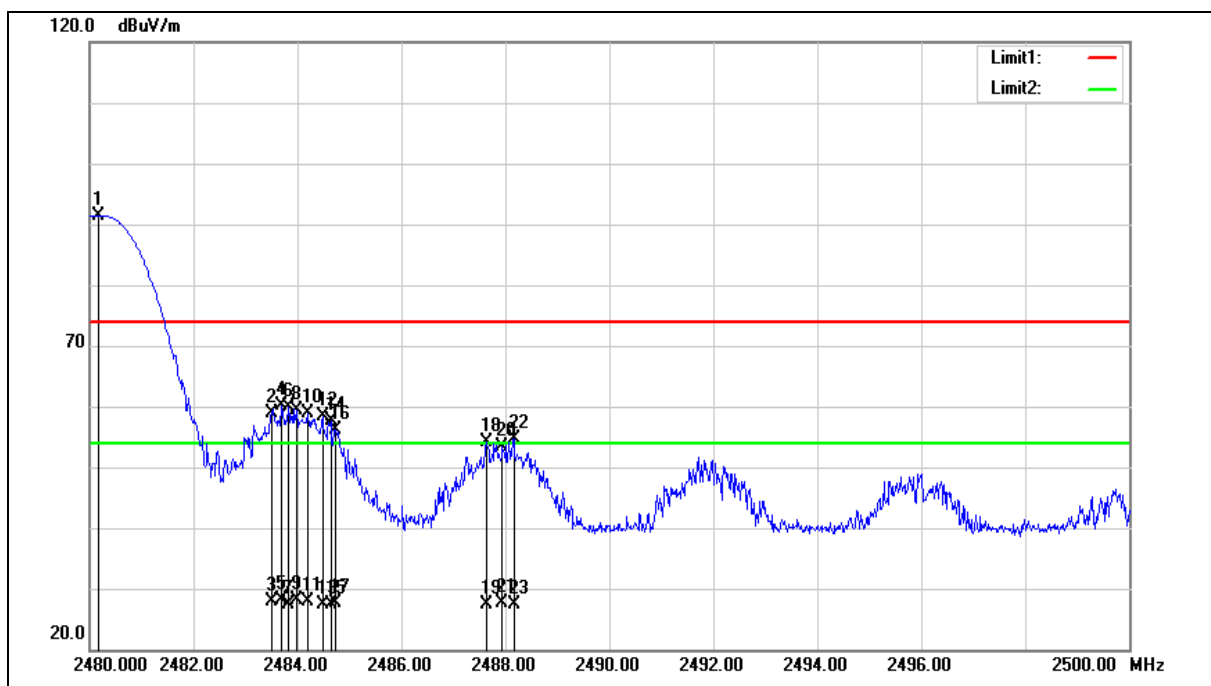
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
55	2495.080	36.65	-7.28	29.37	54.00	-24.63	AVG
56	2495.520	69.73	-7.28	62.45	74.00	-11.55	peak
57	2495.520	36.69	-7.28	29.41	54.00	-24.59	AVG
58	2495.840	70.65	-7.28	63.37	74.00	-10.63	peak
59	2495.840	36.64	-7.28	29.36	54.00	-24.64	AVG
60	2496.200	69.81	-7.28	62.53	74.00	-11.47	peak
61	2496.200	36.97	-7.28	29.69	54.00	-24.31	AVG
62	2496.520	67.98	-7.28	60.70	74.00	-13.30	peak
63	2496.520	36.43	-7.28	29.15	54.00	-24.85	AVG
64	2496.820	65.40	-7.28	58.12	74.00	-15.88	peak
65	2496.820	36.35	-7.28	29.07	54.00	-24.93	AVG
66	2497.160	61.54	-7.28	54.26	74.00	-19.74	peak
67	2497.160	36.20	-7.28	28.92	54.00	-25.08	AVG
68	2498.920	63.27	-7.27	56.00	74.00	-18.00	peak
69	2498.920	36.11	-7.27	28.84	54.00	-25.16	AVG
70	2499.260	66.38	-7.27	59.11	74.00	-14.89	peak
71	2499.260	36.72	-7.27	29.45	54.00	-24.55	AVG
72	2499.620	68.42	-7.27	61.15	74.00	-12.85	peak
73	2499.620	36.35	-7.27	29.08	54.00	-24.92	AVG
74	2499.780	68.72	-7.27	61.45	74.00	-12.55	peak
75	2499.780	36.47	-7.27	29.20	54.00	-24.80	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.

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



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

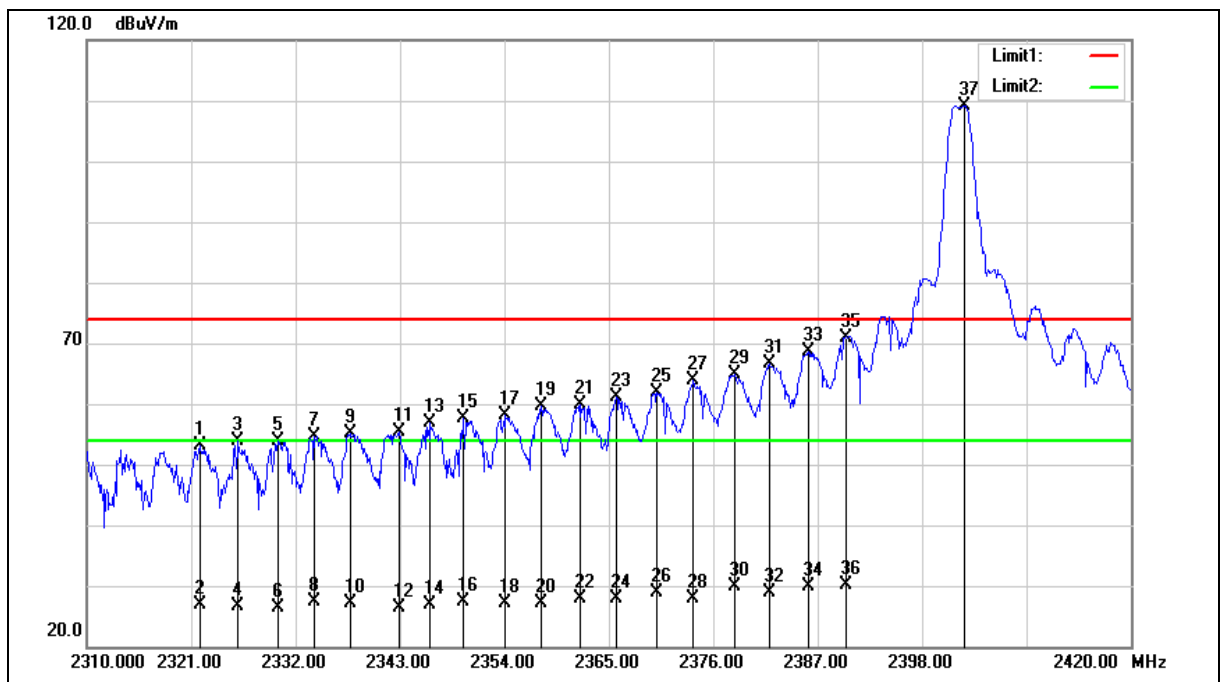
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2480.180	98.78	-7.35	91.43	--	--	peak
2	2483.500	66.16	-7.34	58.82	74.00	-15.18	peak
3	2483.500	35.26	-7.34	27.92	54.00	-26.08	AVG
4	2483.700	67.50	-7.34	60.16	74.00	-13.84	peak
5	2483.700	35.39	-7.34	28.05	54.00	-25.95	AVG
6	2483.820	67.24	-7.34	59.90	74.00	-14.10	peak
7	2483.820	34.83	-7.34	27.49	54.00	-26.51	AVG
8	2483.980	66.84	-7.34	59.50	74.00	-14.50	peak
9	2483.980	35.58	-7.34	28.24	54.00	-25.76	AVG
10	2484.200	66.34	-7.34	59.00	74.00	-15.00	peak
11	2484.200	35.16	-7.34	27.82	54.00	-26.18	AVG
12	2484.480	65.78	-7.34	58.44	74.00	-15.56	peak
13	2484.480	34.77	-7.34	27.43	54.00	-26.57	AVG
14	2484.640	65.06	-7.34	57.72	74.00	-16.28	peak
15	2484.640	34.79	-7.34	27.45	54.00	-26.55	AVG
16	2484.740	63.53	-7.34	56.19	74.00	-17.81	peak
17	2484.740	34.86	-7.34	27.52	54.00	-26.48	AVG
18	2487.640	61.44	-7.32	54.12	74.00	-19.88	peak
19	2487.640	34.70	-7.32	27.38	54.00	-26.62	AVG
20	2487.940	60.81	-7.32	53.49	74.00	-20.51	peak
21	2487.940	34.96	-7.32	27.64	54.00	-26.36	AVG
22	2488.160	61.87	-7.32	54.55	74.00	-19.45	peak
23	2488.160	34.80	-7.32	27.48	54.00	-26.52	AVG

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

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

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

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



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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2321.880	61.00	-7.99	53.01	74.00	-20.99	peak
2	2321.880	34.96	-7.99	26.97	54.00	-27.03	AVG
3	2325.950	61.89	-7.98	53.91	74.00	-20.09	peak
4	2325.950	34.65	-7.98	26.67	54.00	-27.33	AVG
5	2330.130	61.75	-7.97	53.78	74.00	-20.22	peak
6	2330.130	34.39	-7.97	26.42	54.00	-27.58	AVG
7	2333.980	62.64	-7.95	54.69	74.00	-19.31	peak
8	2333.980	35.22	-7.95	27.27	54.00	-26.73	AVG
9	2337.720	63.07	-7.94	55.13	74.00	-18.87	peak
10	2337.720	34.95	-7.94	27.01	54.00	-26.99	AVG
11	2342.890	63.20	-7.91	55.29	74.00	-18.71	peak
12	2342.890	34.37	-7.91	26.46	54.00	-27.54	AVG
13	2346.190	64.68	-7.89	56.79	74.00	-17.21	peak
14	2346.190	34.73	-7.89	26.84	54.00	-27.16	AVG
15	2349.710	65.53	-7.88	57.65	74.00	-16.35	peak
16	2349.710	35.17	-7.88	27.29	54.00	-26.71	AVG
17	2354.110	66.11	-7.87	58.24	74.00	-15.76	peak
18	2354.110	34.94	-7.87	27.07	54.00	-26.93	AVG
19	2357.850	67.50	-7.86	59.64	74.00	-14.36	peak
20	2357.850	34.94	-7.86	27.08	54.00	-26.92	AVG
21	2362.030	67.72	-7.83	59.89	74.00	-14.11	peak
22	2362.030	35.81	-7.83	27.98	54.00	-26.02	AVG
23	2365.770	69.05	-7.82	61.23	74.00	-12.77	peak
24	2365.770	35.80	-7.82	27.98	54.00	-26.02	AVG
25	2370.060	69.58	-7.80	61.78	74.00	-12.22	peak
26	2370.060	36.69	-7.80	28.89	54.00	-25.11	AVG
27	2373.910	71.74	-7.78	63.96	74.00	-10.04	peak

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

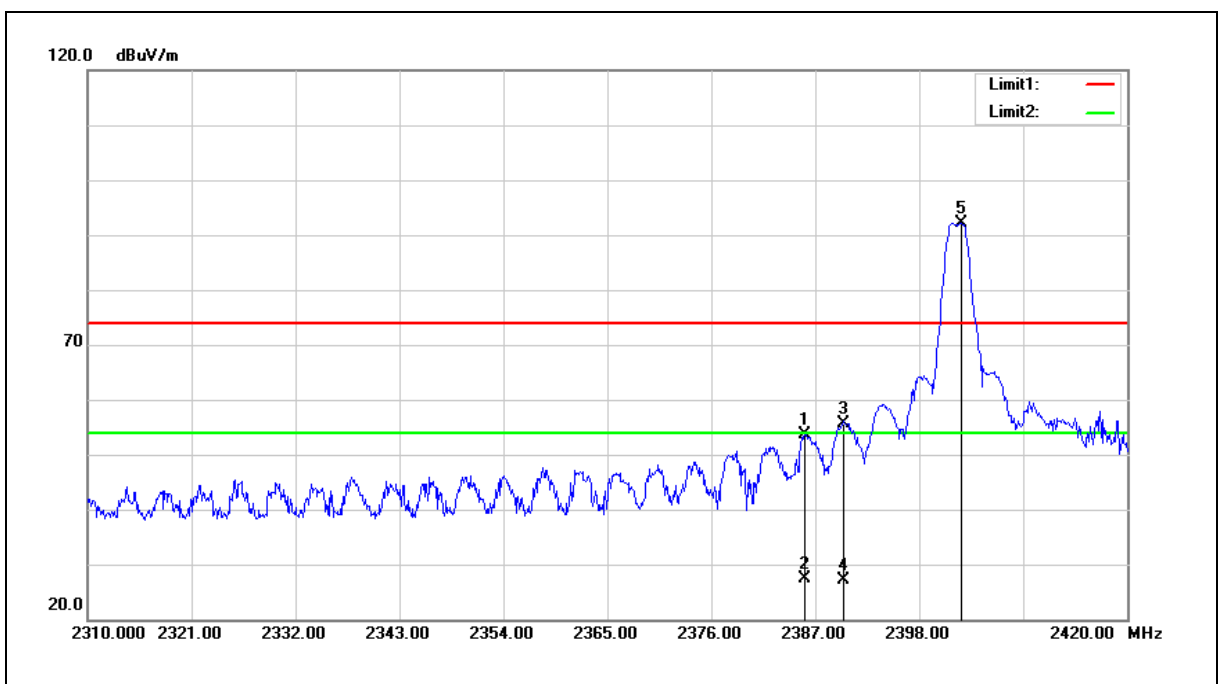
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
28	2373.910	35.71	-7.78	27.93	54.00	-26.07	AVG
29	2378.200	72.69	-7.77	64.92	74.00	-9.08	peak
30	2378.200	37.59	-7.77	29.82	54.00	-24.18	AVG
31	2381.940	74.48	-7.75	66.73	74.00	-7.27	peak
32	2381.940	36.64	-7.75	28.89	54.00	-25.11	AVG
33	2386.010	76.27	-7.73	68.54	74.00	-5.46	peak
34	2386.010	37.51	-7.73	29.78	54.00	-24.22	AVG
35	2390.000	78.70	-7.72	70.98	74.00	-3.02	peak
36	2390.000	37.86	-7.72	30.14	54.00	-23.86	AVG
37	2402.400	116.88	-7.66	109.22	--	--	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:	2402 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



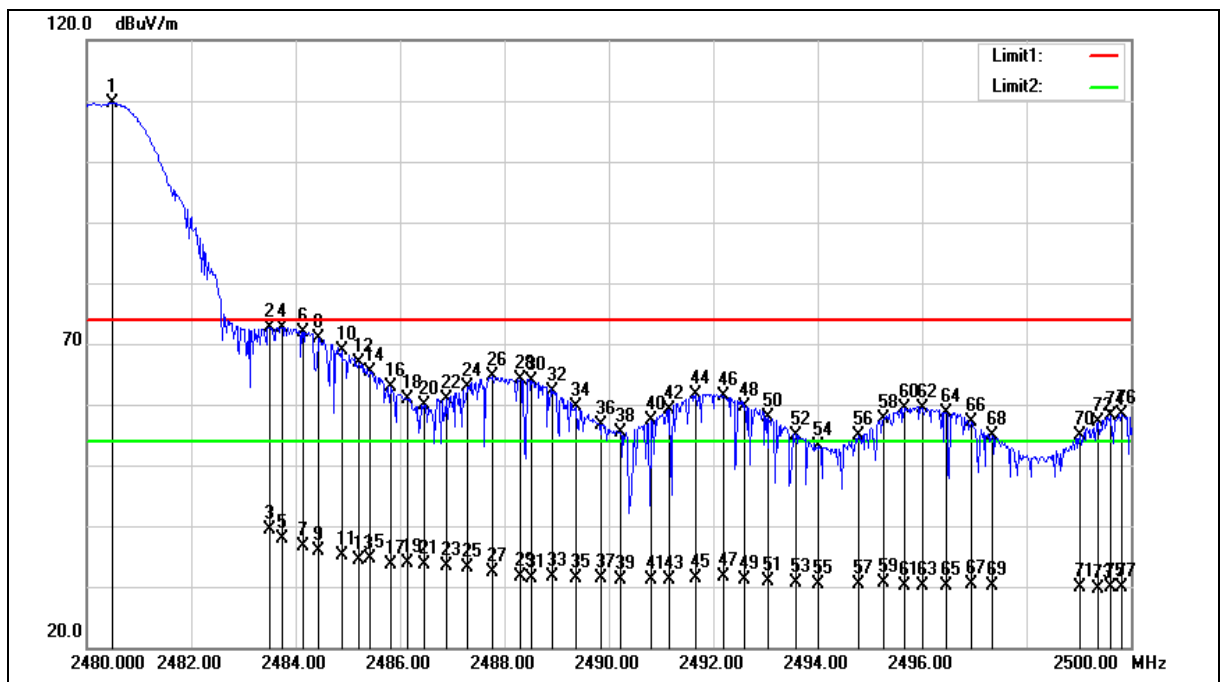
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.900	61.34	-7.73	53.61	74.00	-20.39	peak
2	2385.900	35.09	-7.73	27.36	54.00	-26.64	AVG
3	2390.000	63.25	-7.72	55.53	74.00	-18.47	peak
4	2390.000	34.75	-7.72	27.03	54.00	-26.97	AVG
5	2402.400	99.86	-7.66	92.20	--	--	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:	Band edge		
Frequency:	2480 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2480.500	116.93	-7.35	109.58	--	--	peak
2	2483.500	79.87	-7.34	72.53	74.00	-1.47	peak
3	2483.500	46.73	-7.34	39.39	54.00	-14.61	AVG
4	2483.740	79.92	-7.34	72.58	74.00	-1.42	peak
5	2483.740	45.13	-7.34	37.79	54.00	-16.21	AVG
6	2484.140	79.28	-7.34	71.94	74.00	-2.06	peak
7	2484.140	44.01	-7.34	36.67	54.00	-17.33	AVG
8	2484.440	78.14	-7.34	70.80	74.00	-3.20	peak
9	2484.440	43.26	-7.34	35.92	54.00	-18.08	AVG
10	2484.880	76.32	-7.34	68.98	74.00	-5.02	peak
11	2484.880	42.36	-7.34	35.02	54.00	-18.98	AVG
12	2485.220	74.10	-7.33	66.77	74.00	-7.23	peak
13	2485.220	41.65	-7.33	34.32	54.00	-19.68	AVG
14	2485.420	72.68	-7.32	65.36	74.00	-8.64	peak
15	2485.420	41.86	-7.32	34.54	54.00	-19.46	AVG
16	2485.820	70.15	-7.32	62.83	74.00	-11.17	peak
17	2485.820	41.00	-7.32	33.68	54.00	-20.32	AVG
18	2486.140	68.27	-7.32	60.95	74.00	-13.05	peak
19	2486.140	41.25	-7.32	33.93	54.00	-20.07	AVG
20	2486.460	67.24	-7.32	59.92	74.00	-14.08	peak
21	2486.460	40.83	-7.32	33.51	54.00	-20.49	AVG
22	2486.880	68.23	-7.32	60.91	74.00	-13.09	peak
23	2486.880	40.77	-7.32	33.45	54.00	-20.55	AVG
24	2487.280	70.17	-7.32	62.85	74.00	-11.15	peak
25	2487.280	40.34	-7.32	33.02	54.00	-20.98	AVG
26	2487.780	71.92	-7.32	64.60	74.00	-9.40	peak
27	2487.780	39.63	-7.32	32.31	54.00	-21.69	AVG

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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
28	2488.300	71.34	-7.32	64.02	74.00	-9.98	peak
29	2488.300	39.04	-7.32	31.72	54.00	-22.28	AVG
30	2488.520	71.15	-7.31	63.84	74.00	-10.16	peak
31	2488.520	38.69	-7.31	31.38	54.00	-22.62	AVG
32	2488.920	69.47	-7.31	62.16	74.00	-11.84	peak
33	2488.920	38.93	-7.31	31.62	54.00	-22.38	AVG
34	2489.360	66.96	-7.31	59.65	74.00	-14.35	peak
35	2489.360	38.76	-7.31	31.45	54.00	-22.55	AVG
36	2489.860	63.89	-7.31	56.58	74.00	-17.42	peak
37	2489.860	38.68	-7.31	31.37	54.00	-22.63	AVG
38	2490.220	62.67	-7.31	55.36	74.00	-18.64	peak
39	2490.220	38.33	-7.31	31.02	54.00	-22.98	AVG
40	2490.820	64.63	-7.31	57.32	74.00	-16.68	peak
41	2490.820	38.52	-7.31	31.21	54.00	-22.79	AVG
42	2491.160	66.47	-7.31	59.16	74.00	-14.84	peak
43	2491.160	38.48	-7.31	31.17	54.00	-22.83	AVG
44	2491.660	68.87	-7.31	61.56	74.00	-12.44	peak
45	2491.660	38.68	-7.31	31.37	54.00	-22.63	AVG
46	2492.200	68.68	-7.30	61.38	74.00	-12.62	peak
47	2492.200	39.00	-7.30	31.70	54.00	-22.30	AVG
48	2492.600	66.88	-7.30	59.58	74.00	-14.42	peak
49	2492.600	38.36	-7.30	31.06	54.00	-22.94	AVG
50	2493.060	65.09	-7.30	57.79	74.00	-16.21	peak
51	2493.060	38.19	-7.30	30.89	54.00	-23.11	AVG
52	2493.580	62.29	-7.29	55.00	74.00	-19.00	peak
53	2493.580	37.94	-7.29	30.65	54.00	-23.35	AVG
54	2494.020	60.31	-7.29	53.02	74.00	-20.98	peak

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

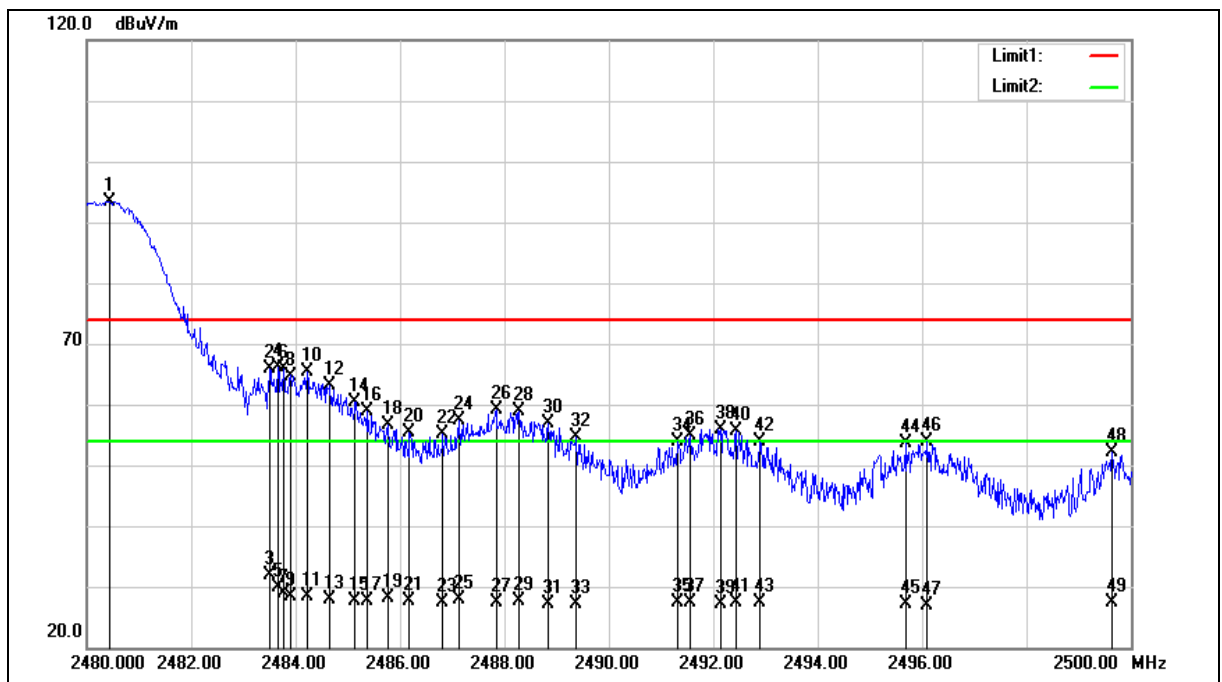
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
55	2494.020	37.67	-7.29	30.38	54.00	-23.62	AVG
56	2494.780	62.08	-7.29	54.79	74.00	-19.21	peak
57	2494.780	37.70	-7.29	30.41	54.00	-23.59	AVG
58	2495.260	64.90	-7.28	57.62	74.00	-16.38	peak
59	2495.260	37.84	-7.28	30.56	54.00	-23.44	AVG
60	2495.660	66.57	-7.28	59.29	74.00	-14.71	peak
61	2495.660	37.35	-7.28	30.07	54.00	-23.93	AVG
62	2496.020	66.77	-7.28	59.49	74.00	-14.51	peak
63	2496.020	37.51	-7.28	30.23	54.00	-23.77	AVG
64	2496.460	65.97	-7.28	58.69	74.00	-15.31	peak
65	2496.460	37.48	-7.28	30.20	54.00	-23.80	AVG
66	2496.940	64.45	-7.28	57.17	74.00	-16.83	peak
67	2496.940	37.60	-7.28	30.32	54.00	-23.68	AVG
68	2497.340	62.09	-7.28	54.81	74.00	-19.19	peak
69	2497.340	37.33	-7.28	30.05	54.00	-23.95	AVG
70	2499.020	62.07	-7.27	54.80	74.00	-19.20	peak
71	2499.020	37.20	-7.27	29.93	54.00	-24.07	AVG
72	2499.360	64.39	-7.27	57.12	74.00	-16.88	peak
73	2499.360	36.86	-7.27	29.59	54.00	-24.41	AVG
74	2499.600	65.37	-7.27	58.10	74.00	-15.90	peak
75	2499.600	37.16	-7.27	29.89	54.00	-24.11	AVG
76	2499.820	65.70	-7.27	58.43	74.00	-15.57	peak
77	2499.820	37.20	-7.27	29.93	54.00	-24.07	AVG

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

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

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

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



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2480 MHz		
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	2480.440	100.78	-7.35	93.43	--	--	peak
2	2483.500	73.24	-7.34	65.90	74.00	-8.10	peak
3	2483.500	39.23	-7.34	31.89	54.00	-22.11	AVG
4	2483.660	73.44	-7.34	66.10	74.00	-7.90	peak
5	2483.660	37.24	-7.34	29.90	54.00	-24.10	AVG
6	2483.780	73.34	-7.34	66.00	74.00	-8.00	peak
7	2483.780	36.20	-7.34	28.86	54.00	-25.14	AVG
8	2483.900	72.09	-7.34	64.75	74.00	-9.25	peak
9	2483.900	35.64	-7.34	28.30	54.00	-25.70	AVG
10	2484.220	72.64	-7.34	65.30	74.00	-8.70	peak
11	2484.220	35.69	-7.34	28.35	54.00	-25.65	AVG
12	2484.660	70.39	-7.34	63.05	74.00	-10.95	peak
13	2484.660	35.23	-7.34	27.89	54.00	-26.11	AVG
14	2485.140	67.81	-7.33	60.48	74.00	-13.52	peak
15	2485.140	34.84	-7.33	27.51	54.00	-26.49	AVG
16	2485.380	66.27	-7.32	58.95	74.00	-15.05	peak
17	2485.380	34.83	-7.32	27.51	54.00	-26.49	AVG
18	2485.780	64.03	-7.32	56.71	74.00	-17.29	peak
19	2485.780	35.38	-7.32	28.06	54.00	-25.94	AVG
20	2486.180	62.61	-7.32	55.29	74.00	-18.71	peak
21	2486.180	35.03	-7.32	27.71	54.00	-26.29	AVG
22	2486.820	62.36	-7.32	55.04	74.00	-18.96	peak
23	2486.820	34.68	-7.32	27.36	54.00	-26.64	AVG
24	2487.140	64.59	-7.32	57.27	74.00	-16.73	peak
25	2487.140	35.18	-7.32	27.86	54.00	-26.14	AVG
26	2487.840	66.38	-7.32	59.06	74.00	-14.94	peak
27	2487.840	34.81	-7.32	27.49	54.00	-26.51	AVG

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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
28	2488.280	66.25	-7.32	58.93	74.00	-15.07	peak
29	2488.280	34.86	-7.32	27.54	54.00	-26.46	AVG
30	2488.840	64.29	-7.31	56.98	74.00	-17.02	peak
31	2488.840	34.47	-7.31	27.16	54.00	-26.84	AVG
32	2489.380	61.84	-7.31	54.53	74.00	-19.47	peak
33	2489.380	34.47	-7.31	27.16	54.00	-26.84	AVG
34	2491.320	61.11	-7.31	53.80	74.00	-20.20	peak
35	2491.320	34.60	-7.31	27.29	54.00	-26.71	AVG
36	2491.560	62.22	-7.31	54.91	74.00	-19.09	peak
37	2491.560	34.59	-7.31	27.28	54.00	-26.72	AVG
38	2492.140	63.18	-7.30	55.88	74.00	-18.12	peak
39	2492.140	34.45	-7.30	27.15	54.00	-26.85	AVG
40	2492.440	62.94	-7.30	55.64	74.00	-18.36	peak
41	2492.440	34.75	-7.30	27.45	54.00	-26.55	AVG
42	2492.900	61.29	-7.30	53.99	74.00	-20.01	peak
43	2492.900	34.66	-7.30	27.36	54.00	-26.64	AVG
44	2495.680	60.96	-7.28	53.68	74.00	-20.32	peak
45	2495.680	34.43	-7.28	27.15	54.00	-26.85	AVG
46	2496.100	61.12	-7.28	53.84	74.00	-20.16	peak
47	2496.100	34.26	-7.28	26.98	54.00	-27.02	AVG
48	2499.640	59.40	-7.27	52.13	74.00	-21.87	peak
49	2499.640	34.76	-7.27	27.49	54.00	-26.51	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.

Annex C. Conducted Test Results

輸出峰值功率之量測

操作模式 : Mode 2: LE, 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	2.55	0.00180	2.78	0.00190	≤ 1
中頻道	2.16	0.00164	2.41	0.00174	≤ 1
高頻道	2.13	0.00163	2.39	0.00173	≤ 1

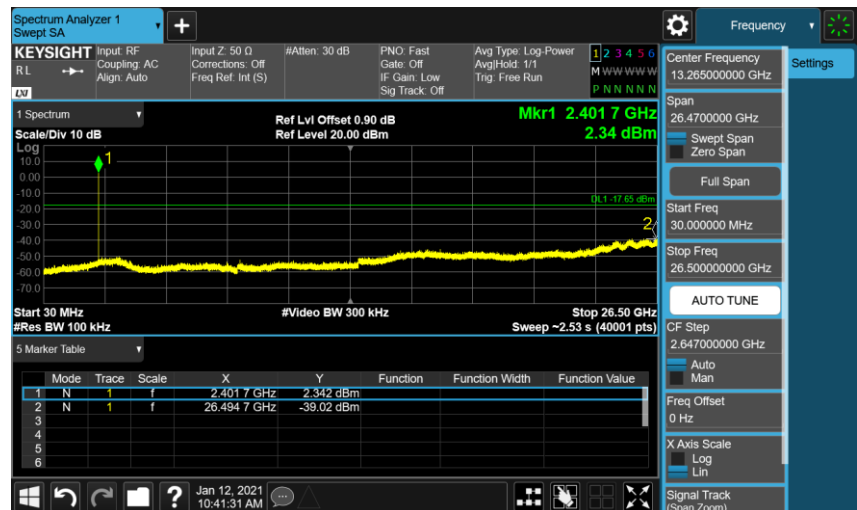
操作模式 : Mode 3: 2LE, GFSK Continuous TX Mode					
頻道	輸出功率(Average)		輸出功率(Peak)		限制值
	dBm	W	dBm	W	W
低頻道	5.12	0.00325	5.52	0.00356	≤ 1
中頻道	4.43	0.00277	4.96	0.00313	≤ 1
高頻道	4.18	0.00262	4.73	0.00297	≤ 1

非必要頻帶之量測

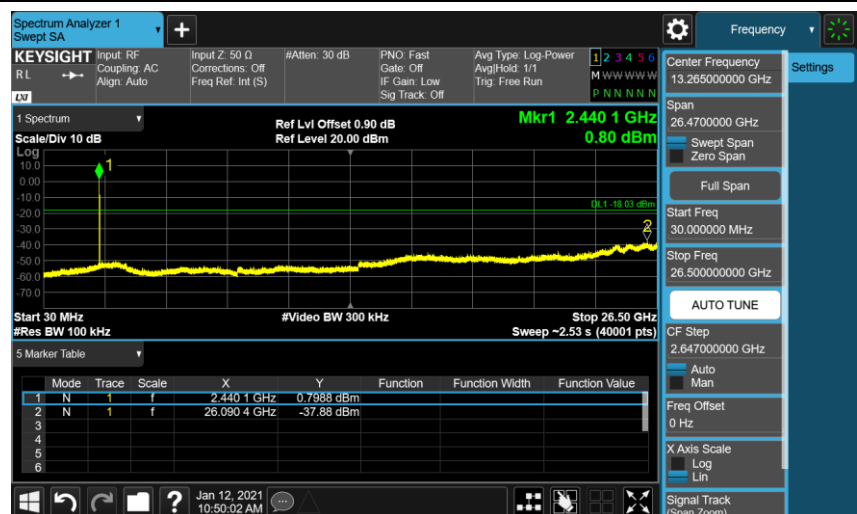
Out of Band Conducted Spurious Emission

Mode 2: LE, GFSK Continuous TX Mode

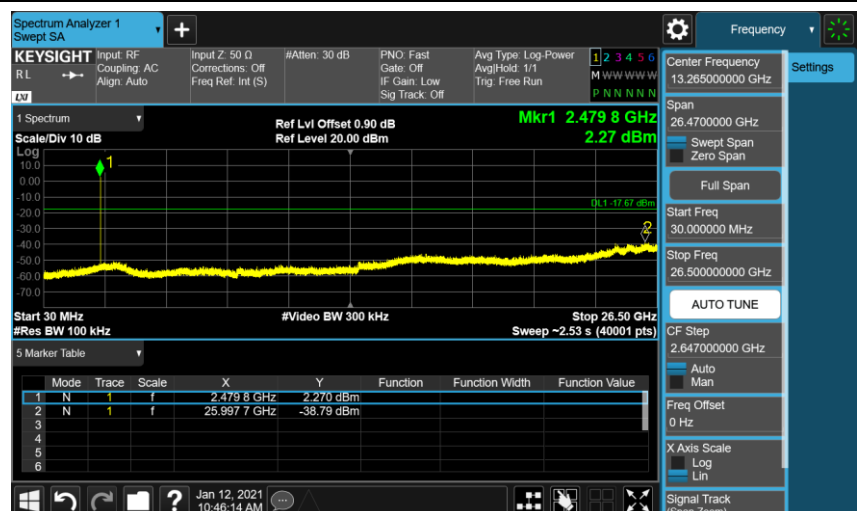
低頻道

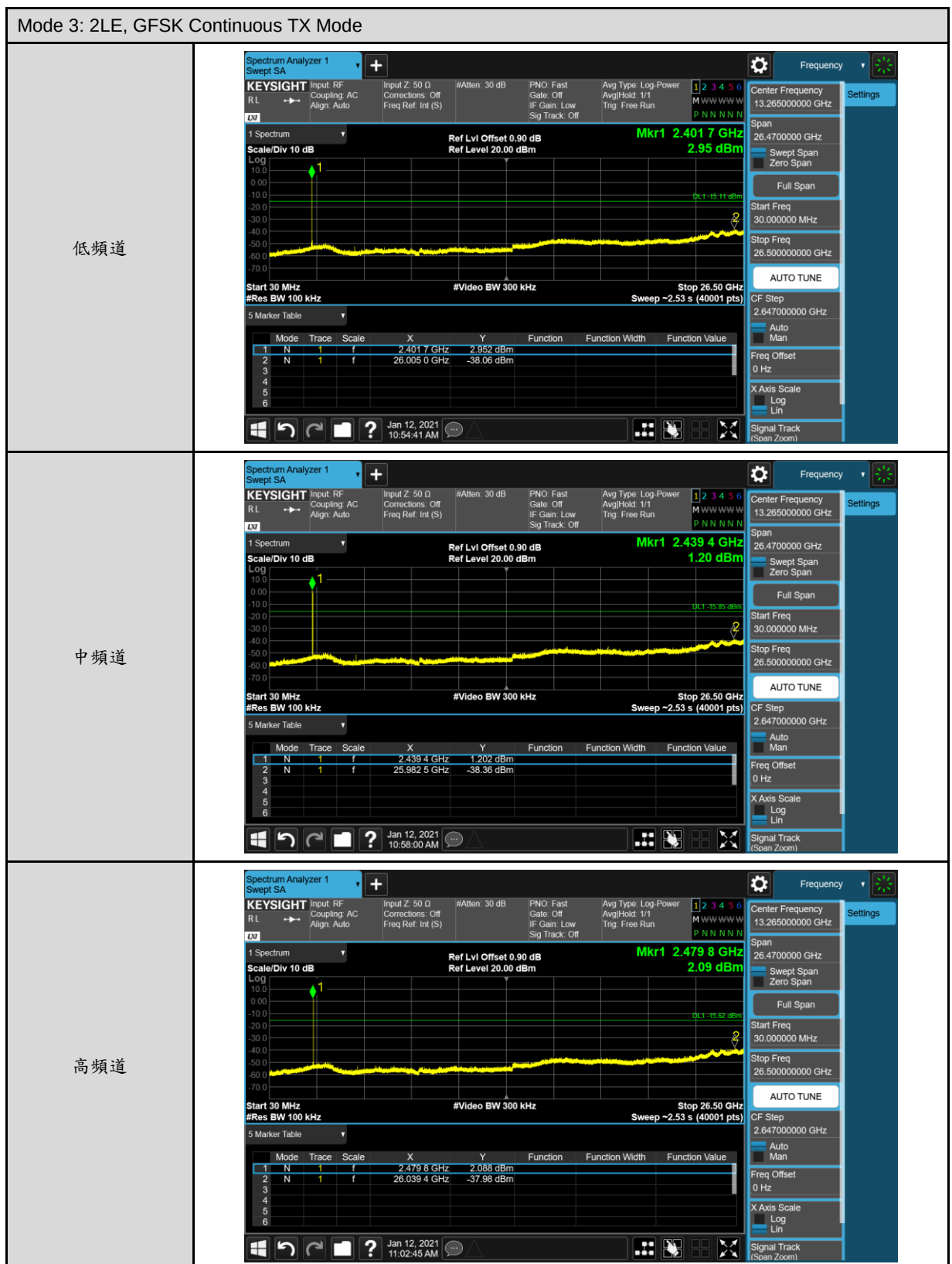


中頻道

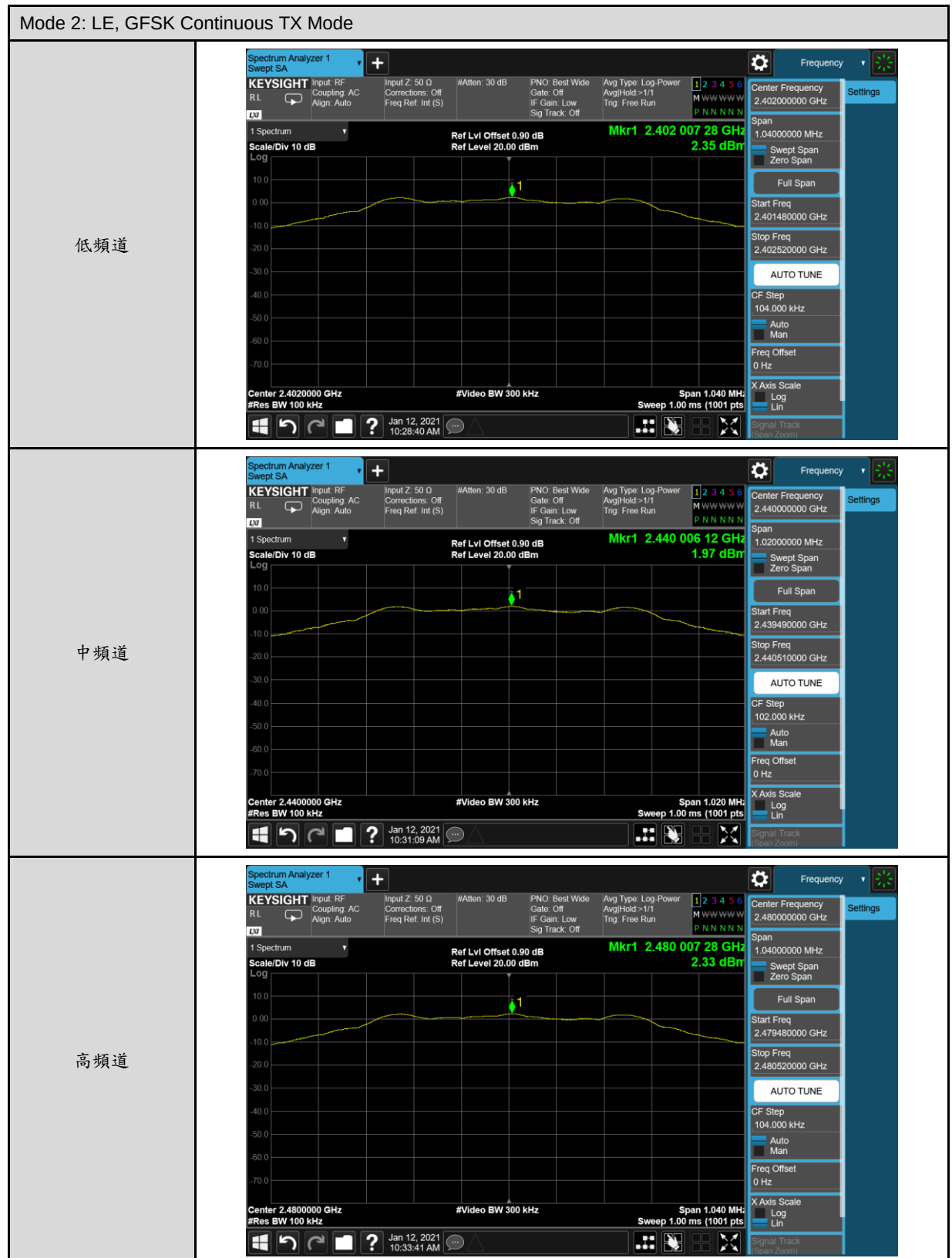


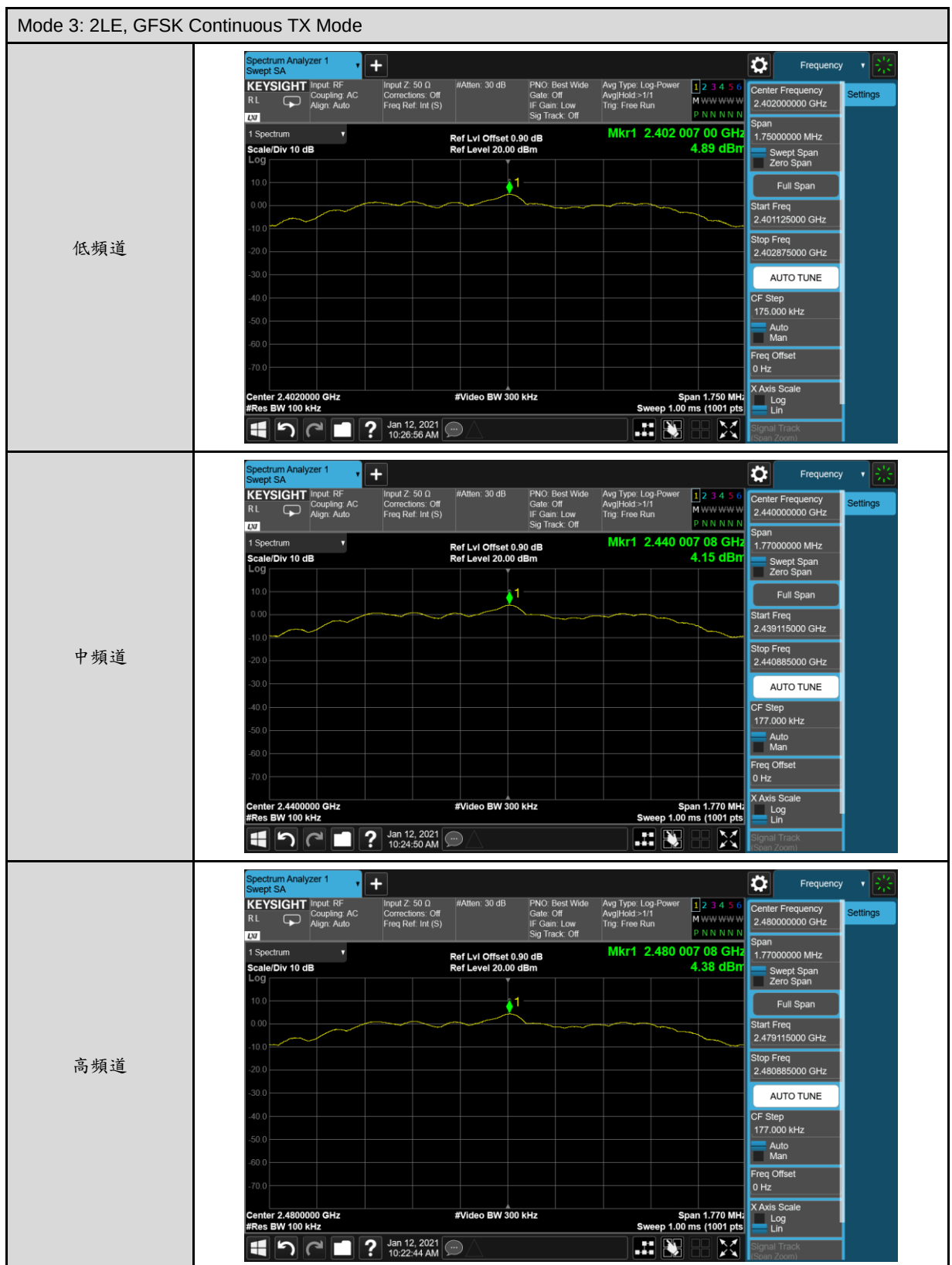
高頻道



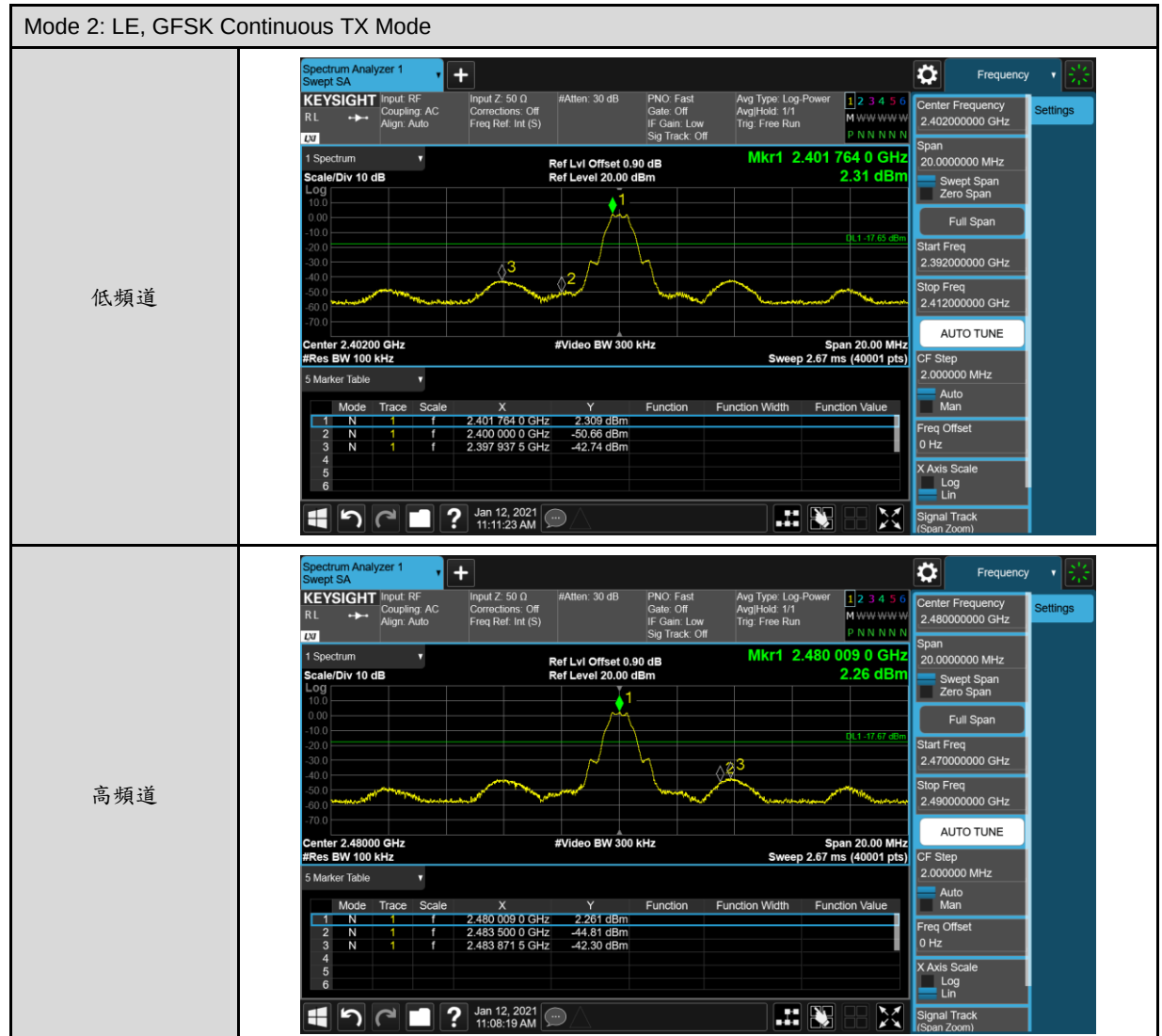


Reference level





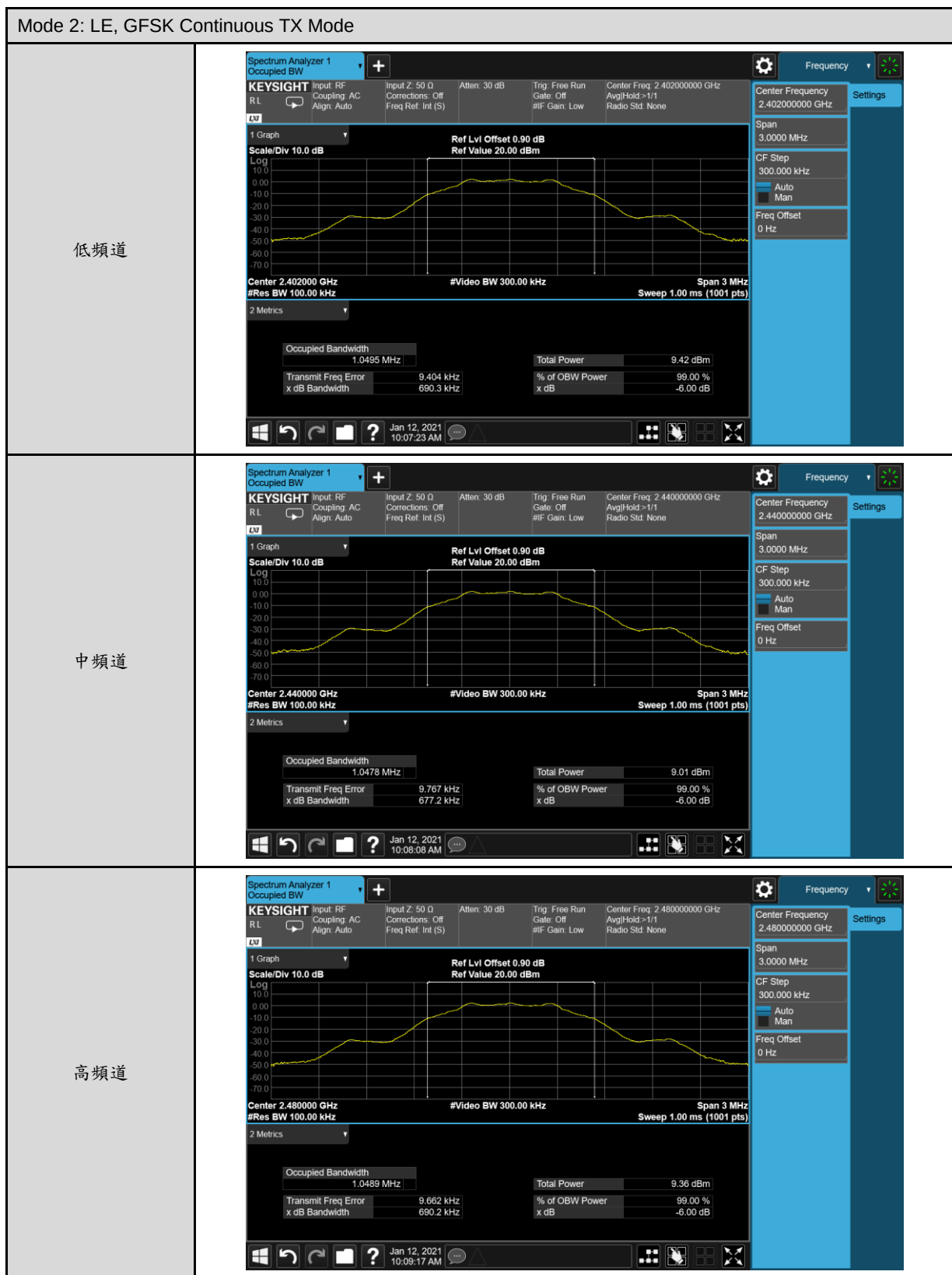
Conducted Band Edge

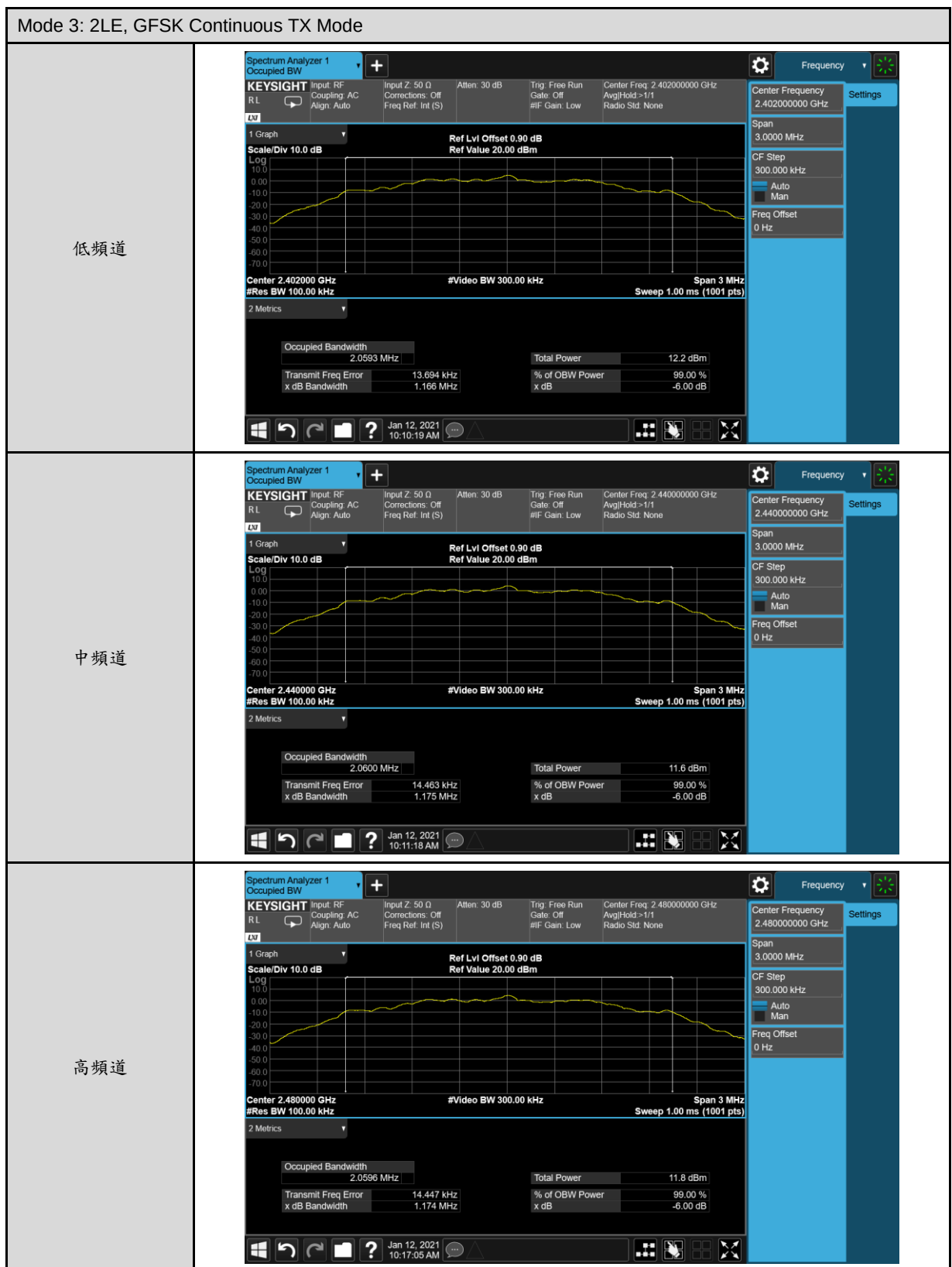




發射頻寬之要求

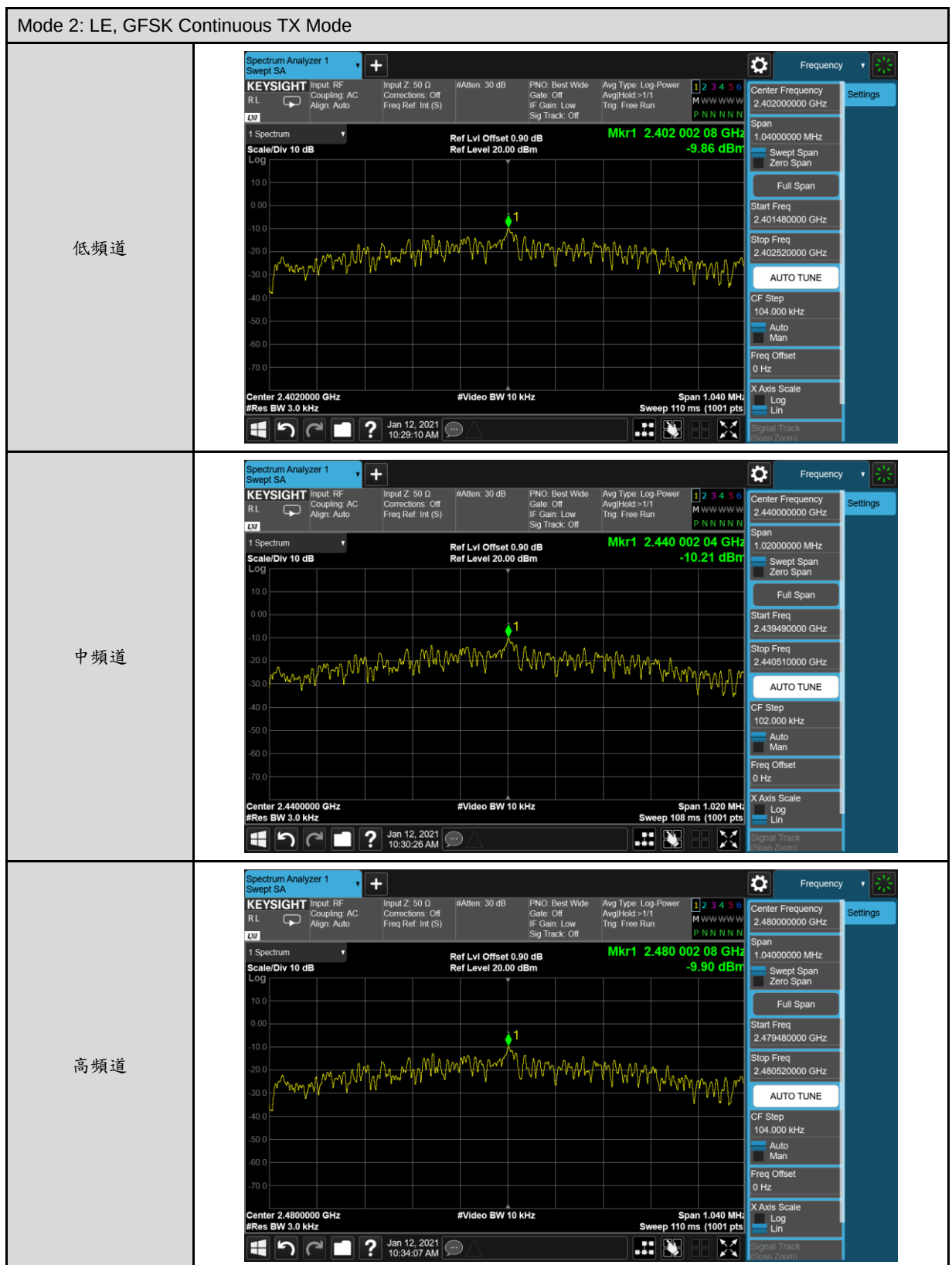
操作模式 : Mode 2: LE, GFSK Continuous TX Mode Mode 3: 2LE, GFSK Continuous TX Mode			
操作模式	頻道	發射頻寬(6dB)	
		量測值 (kHz)	限制值 (kHz)
Mode 2	低頻道	690.300	≥ 500
	中頻道	677.200	≥ 500
	高頻道	690.200	≥ 500
Mode 3	低頻道	1166.000	≥ 500
	中頻道	1175.000	≥ 500
	高頻道	1174.000	≥ 500

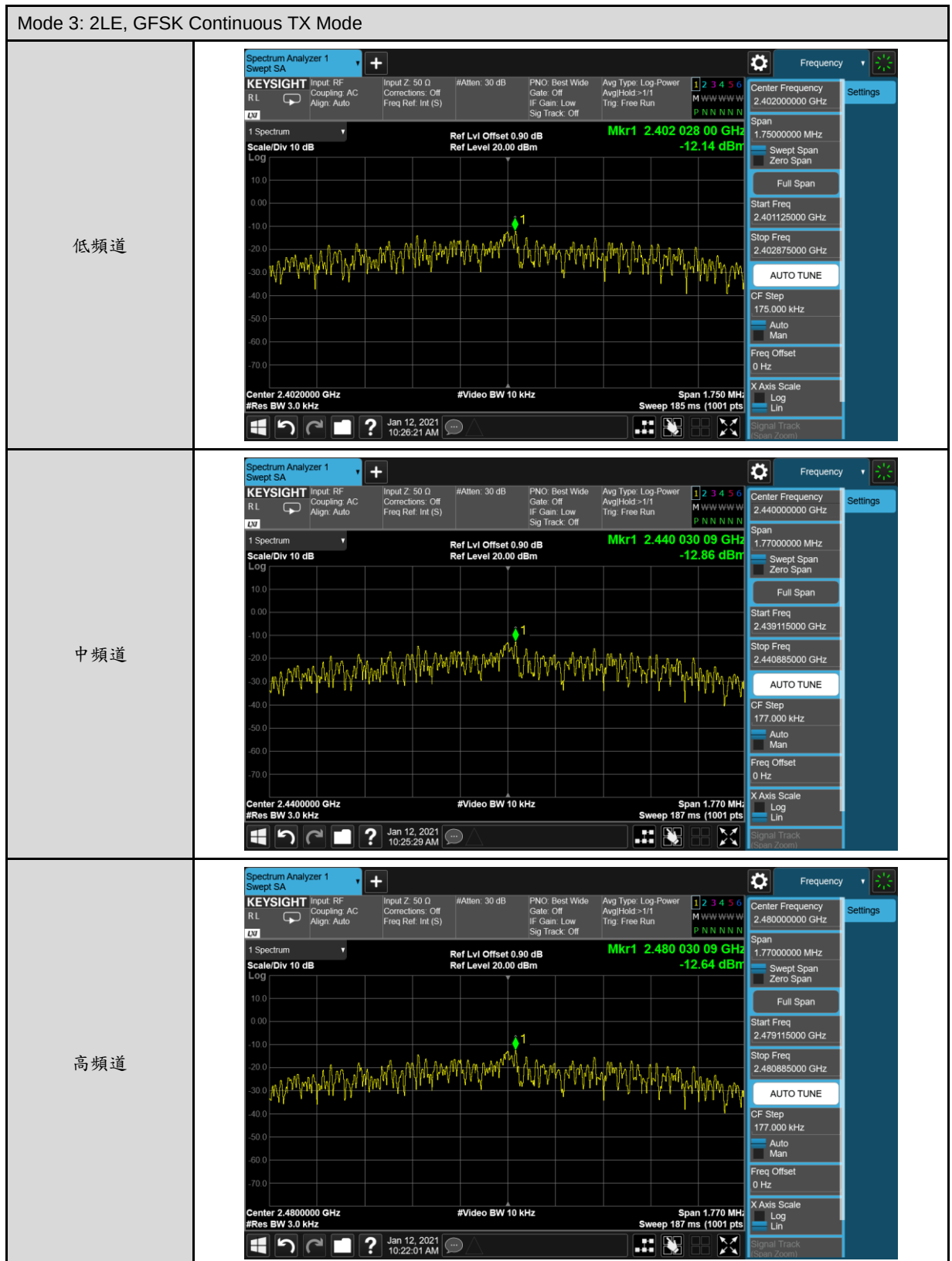




功率密度之要求

操作模式 : Mode 2: LE, GFSK Continuous TX Mode Mode 3: 2LE, GFSK Continuous TX Mode			
操作模式	頻道	量測值 (dBm/3 kHz)	限制值 (dBm/3 kHz)
Mode 2	低頻道	-9.860	≤ 8
	中頻道	-10.210	≤ 8
	高頻道	-9.900	≤ 8
Mode 3	低頻道	-12.140	≤ 8
	中頻道	-12.860	≤ 8
	高頻道	-12.640	≤ 8





---END---