



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 2009DR58

版本(Rev.) 02

產品名稱 MTX6255 Module/MTX6255模塊

申請廠商 MORITEX Corporation

廠牌 MORITEX

型式 (號) MTX6255

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 03 月 17 日

填發本型式認可報告之試驗機構 (認可代號)

晶復科技股份有限公司
33465 桃園市八德區長安街 140-1 號
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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	109 年 12 月 10 日	初版發行	江玉
01	110 年 03 月 09 日	更新產品名稱、廠牌、型號、額定電源 (P.1、P.3、P.5)	江玉
02	110 年 03 月 17 日	更新試驗日期(P.3) 更新 1.1 章節(P.6) 更新 2.1 章節(P.7) 更新 2.2 章節(P.8、P.9) 更新 2.5 章節(P.12) 更新 4 章節(P.28、P.37) 更新 5 章節(P.38、P.39、P.232) 更新 Test Setup Photographs	江玉

低功率射頻器材測試證明書

產品名稱 : MTX6255 Module/MTX6255模塊

廠 商 : MORITEX

型 號 : MTX6255

申請廠商 : MORITEX Corporation

申請者地址 : 3-13-45, Senzui, Asaka-shi, Saitama Japan

製造廠商 : 武漢守護佳智能科技有限公司

製造廠商地址 : 中國武漢東湖新技術開發區高新二路22號
中國光谷雲計算海外高新企業孵化中心1、2號研發辦公樓2號樓1410

待測物電壓 : DC 3.13 V ~ 4.8 V

試驗電壓 : 110 Vac, 60Hz

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)

樣品接收日期 : 109 年 09 月 10 日

試驗日期 : 109 年 09 月 15 日 ~ 110 年 03 月 16 日

報告中所描述之測試結果與待測設備之架構組合，均根據實際量測情況作詳實的記錄。
由測試結果顯示，上述待測設備樣機確實已符合低功率射頻器材技術規範(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	MTX6255 Module/MTX6255模塊					
廠 牌	MORITEX					
型 號	MTX6255					
額 定 電 源	DC 3.13 V ~ 4.8 V					
調 變 方 式	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n 2.4 GHz 20 MHz: OFDM IEEE 802.11a U-NII Band: OFDM IEEE 802.11n 5 GHz 20 MHz / 40 MHz U-NII Band: OFDM IEEE 802.11ac 20 MHz / 40 MHz / 80 MHz U-NII Band: OFDM *此產品之不具有動態選擇(DFS)之雷達偵測功能 (Client without radar detection function)					
頻 率 使 用 範 圍	Mode				Frequency Range (MHz)	
	IEEE 802.11b / IEEE 802.11g / IEEE 802.11n 2.4 GHz 20 MHz				2412 – 2462	
	IEEE 802.11a / IEEE 802.11n 5 GHz 20 MHz U-NII Band I IEEE 802.11ac 20 MHz U-NII Band I				5180 – 5240	
	IEEE 802.11a / IEEE 802.11n 5 GHz 20 MHz U-NII Band III IEEE 802.11ac 20 MHz U-NII Band III				5745 – 5825	
	IEEE 802.11n 5 GHz 40 MHz U-NII Band I IEEE 802.11ac 40 MHz U-NII Band I				5190 – 5230	
	IEEE 802.11n 5 GHz 40 MHz U-NII Band III IEEE 802.11ac 40 MHz U-NII Band III				5755 – 5795	
	IEEE 802.11ac 80 MHz U-NII Band I				5210	
	IEEE 802.11ac 80 MHz U-NII Band III				5775	
天 線 資 訊	廠牌	型號	型態	增益值(dBi)		
				2.4 GHz	5 GHz	
	FARSEEING	FS-31H24505500-A33	Ceramic Antenna	2.23	Band I	4.05
					Band III	4.05

RF 最大輸出功率	Mode	Power	
	IEEE 802.11b	12.36 dBm	0.018 W
	IEEE 802.11g	18.76 dBm	0.075 W
	IEEE 802.11n 2.4 GHz 20 MHz	18.28 dBm	0.067 W
	IEEE 802.11a U-NII Band I	12.64 dBm	0.018 W
	IEEE 802.11a U-NII Band III	12.40 dBm	0.017 W
	IEEE 802.11n 5 GHz 20 MHz U-NII Band I	12.48 dBm	0.018 W
	IEEE 802.11n 5 GHz 20 MHz U-NII Band III	12.03 dBm	0.016 W
	IEEE 802.11n 5 GHz 40 MHz U-NII Band I	11.90 dBm	0.015 W
	IEEE 802.11n 5 GHz 40 MHz U-NII Band III	11.35 dBm	0.014 W
	IEEE 802.11ac 20 MHz U-NII Band I	12.45 dBm	0.018 W
	IEEE 802.11ac 20 MHz U-NII Band III	11.97 dBm	0.016 W
	IEEE 802.11ac 40 MHz U-NII Band I	11.86 dBm	0.015 W
	IEEE 802.11ac 40 MHz U-NII Band III	11.34 dBm	0.014 W
	IEEE 802.11ac 80 MHz U-NII Band I	6.34 dBm	0.004 W
	IEEE 802.11ac 80 MHz U-NII Band III	10.83 dBm	0.012 W

輸出/輸入埠說明：

輸 出 / 入 埠		數量	介面內容說明
1	Single Port	1	連接至治具板

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。 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: Sep. 15 ~ Sep. 17, 2020

測試者: 申世傑

名 稱	廠 牌	型 號	序 號	本次校驗日期	校驗年限
Spectrum Analyzer (10 Hz~26.5 GHz)	KEYSIGHT	N9010B	MY59071418	03/17/2020	1 year
Power Sensor	Agilent	N1911A	MY45101619	12/11/2019	1 year
Power Meter	Agilent	N1921A	MY45241957	12/11/2019	1 year

For Conducted Emission

Test Period: Mar. 16, 2021

測試者: 廖經雄

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

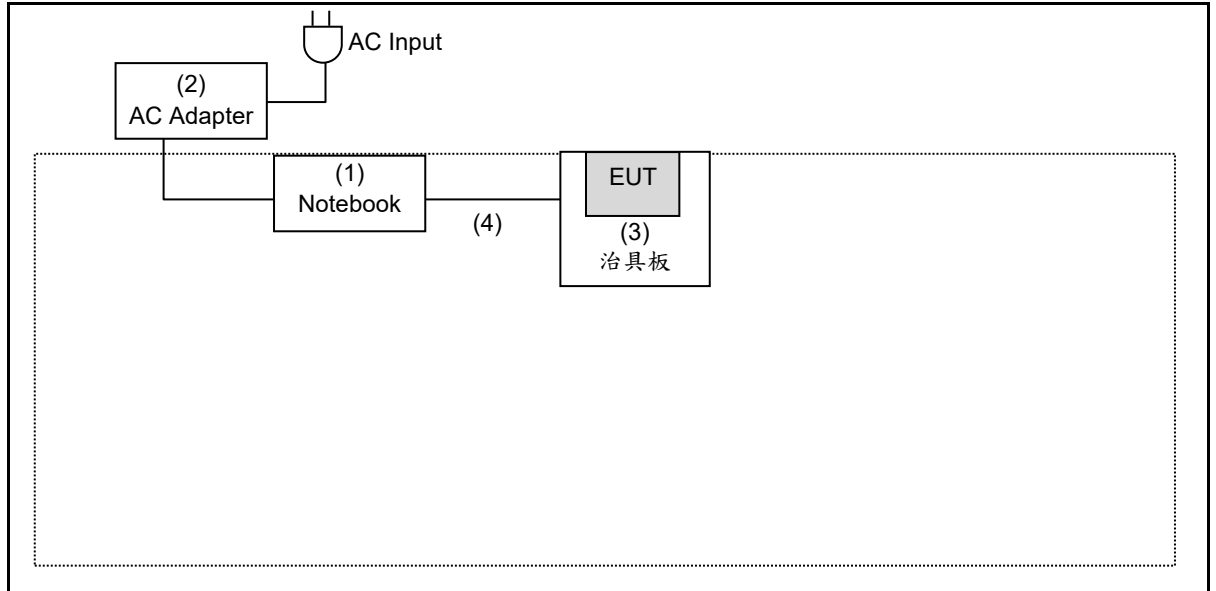
Test Period: Sep. 15 ~ Sep. 16, 2020

測試者: 廖經雄、劉彥聖

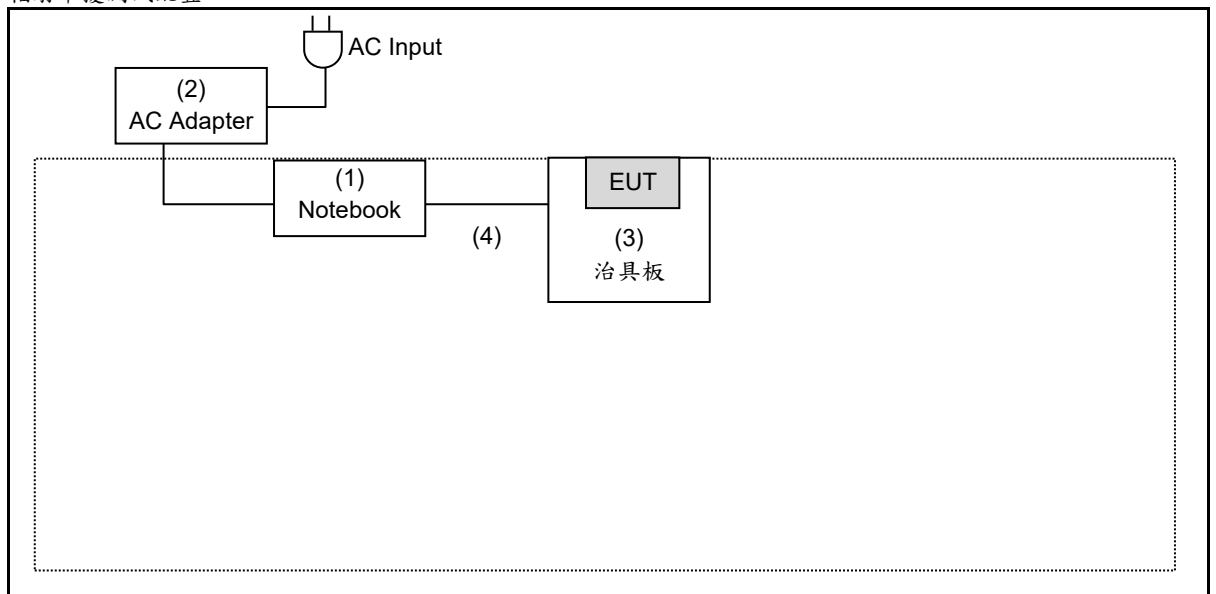
名 稱	廠 牌	型 號	序 號	本次校驗日期	校驗年限
Spectrum Analyzer	Keysight	N9030B	MY57143537	04/14/2020	1 year
Amplifier	Agilent	8449B	3008A02237	10/18/2019	1 year
Preamplifier	EMCI	EMC2654045	980028	08/24/2020	1 year
Amplifier	Agilent	8447D	2944A11119	01/15/2020	1 year
天線	SCHWARZBECK MESS-ELEKTRONIK	VULB9168	01146	07/03/2020	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	BU400A	D1NXAS148 534020	---	(實驗室提供)
(2) AC Adapter	ASUS	EXA1203YH	---	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) 治具板	MORITEX	AVD-TT40WV- CN-004-A	---	---	(申請者提供)
(4) USB Cable (FOR 治具板用)	HUAWEI	04071121	---	---	規格 : STD-A to TYPE-C 長度 : 1 m (實驗室提供)

測試搭配組合：

EUT Configure Mode	CE	RE<1 GHz	RE ≥ 1 GHz	備註
Notebook	V	V	V	測試週邊(1)
AC Adapter	V	V	V	測試週邊(2)
治具板	V	V	V	測試週邊(3)
USB Cable (FOR 治具板用)	V	V	V	測試週邊(4)

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

RE<1 GHz : Radiated Emission below 1 GHz

CE : Conducted Emission

V : Final mode

X : Non support

--- : No evaluation required

2.4 測試軟體版本

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

2.5 測試模式

使用定頻模式量測

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

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

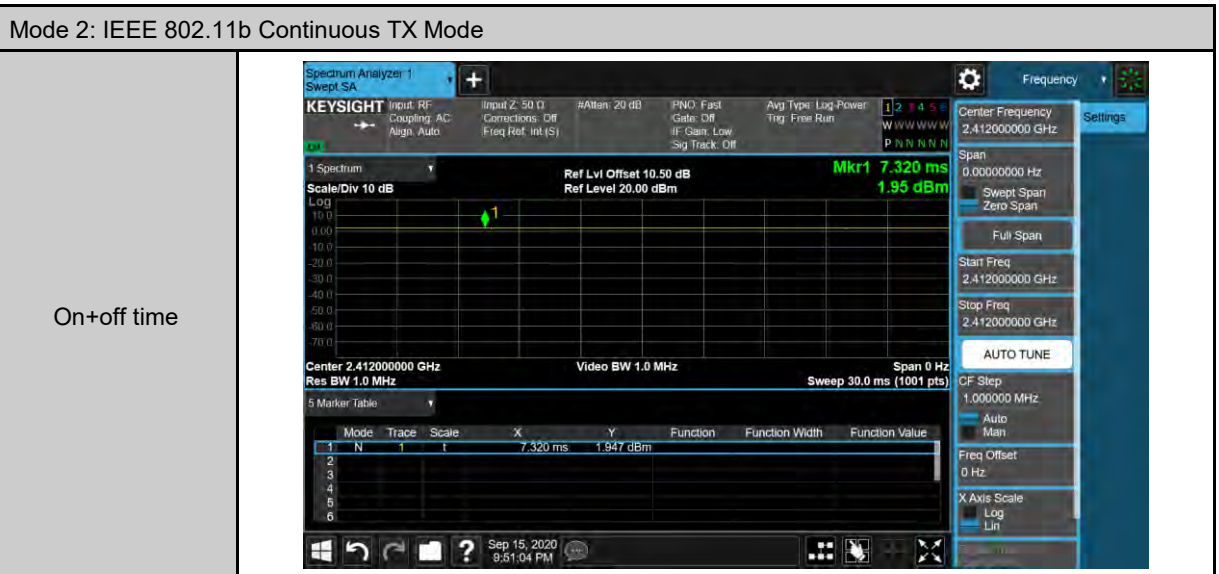
Test Mode	Frequency (MHz)	RF Power setting in Test Software	Test Software Version
Mode 2	2412	15	RFTestTool
	2437	15	
	2462	15	
Mode 3	2412	15	
	2437	15	
	2462	15	
Mode 4	2412	15	
	2437	15	
	2462	15	
Mode 5	5180	17	
	5200	18	
	5220	18	
	5240	18	
	5745	18	
	5765	18	
	5785	18	
	5805	18	
	5825	18	
Mode 6	5180	18	RFTestTool
	5200	18	
	5220	18	
	5240	18	
	5745	18	
	5765	18	
	5785	18	
	5805	18	
	5825	18	
Mode 7	5190	15	
	5230	18	
	5755	18	
	5795	18	
Mode 8	5180	18	RFTestTool
	5200	18	
	5220	18	
	5240	18	
	5745	18	
	5765	18	
	5785	18	
	5805	18	
	5825	18	
Mode 9	5190	15	
	5230	18	
	5755	18	
	5795	18	
Mode 10	5210	12	
	5775	18	

Test Mode	ANT-0
Mode 2	V
Mode 3	V
Mode 4	V
Mode 5	V
Mode 6	V
Mode 7	V
Mode 8	V
Mode 9	V
Mode 10	V

Test Mode	Antenna Delivery	Data Rate (Mbps)	Test Channel
Mode 2	1TX / 1RX	1	1, 6, 11
Mode 3	1TX / 1RX	6	1, 6, 11
Mode 4	1TX / 1RX	6.5	1, 6, 11
Mode 5	1TX / 1RX	6	36, 40, 44, 48, 149, 153, 157, 161, 165
Mode 6	1TX / 1RX	6.5	36, 40, 44, 48, 149, 153, 157, 161, 165
Mode 7	1TX / 1RX	13.5	38, 46, 151, 159
Mode 8	1TX / 1RX	6.5	36, 40, 44, 48, 149, 153, 157, 161, 165
Mode 9	1TX / 1RX	13.5	38, 46, 151, 159
Mode 10	1TX / 1RX	29.3	42, 155

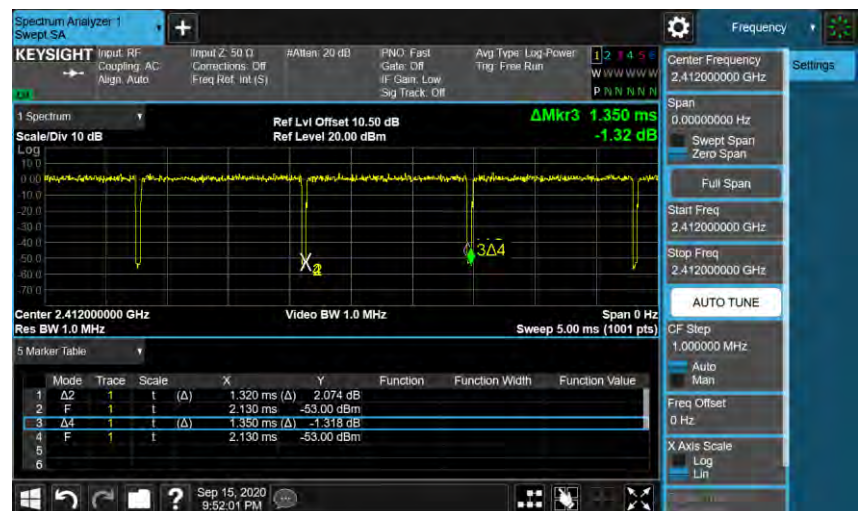
Duty cycle

Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 2	2412	7.320	7.320	1.000	0.000	0.010
Mode 3	2412	1.405	1.435	0.979	0.092	0.712
Mode 4	2412	1.320	1.350	0.978	0.098	0.758
Mode 5	5180	1.410	1.435	0.983	0.076	0.010
Mode 6	5180	1.320	1.350	0.978	0.098	0.758
Mode 7	5190	0.660	0.690	0.957	0.193	1.515
Mode 10	5210	0.331	0.366	0.904	0.437	3.021



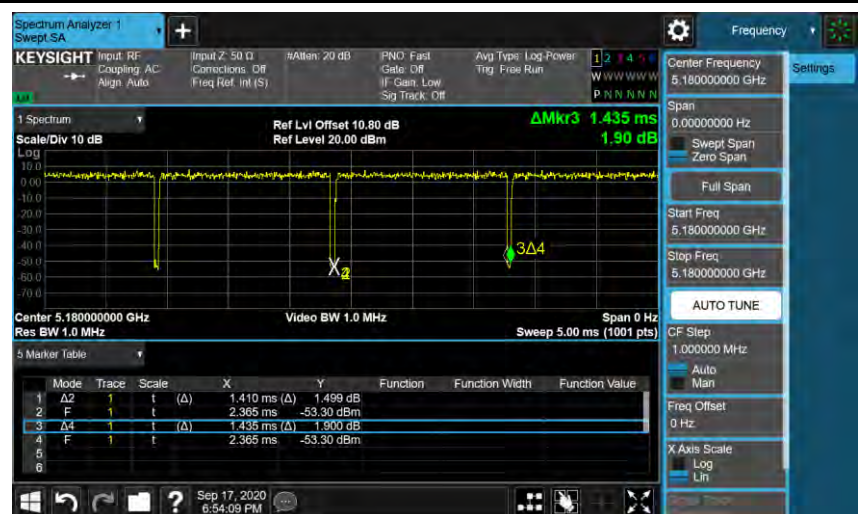
Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode

On+off time



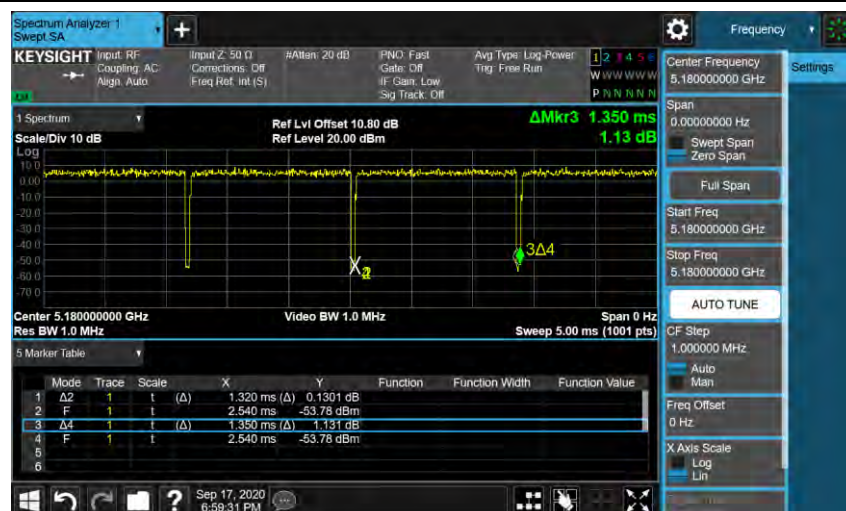
Mode 5: IEEE 802.11a Continuous TX Mode

On+off time



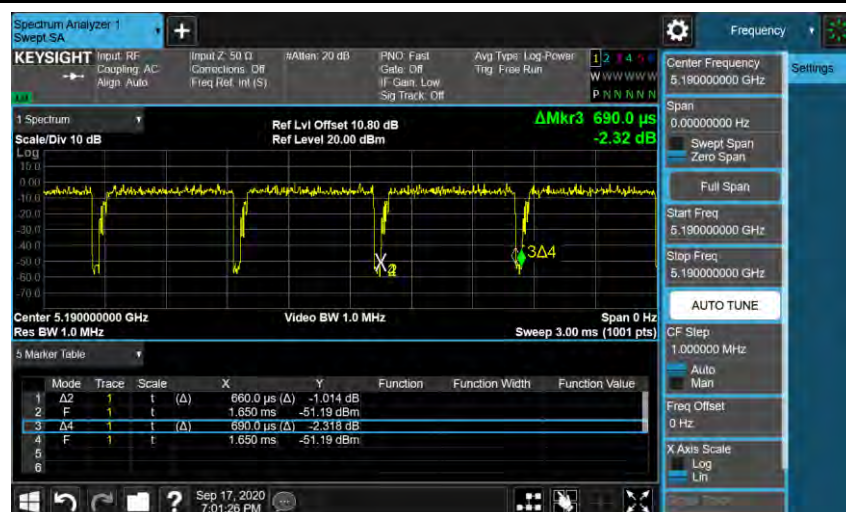
Mode 6: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode

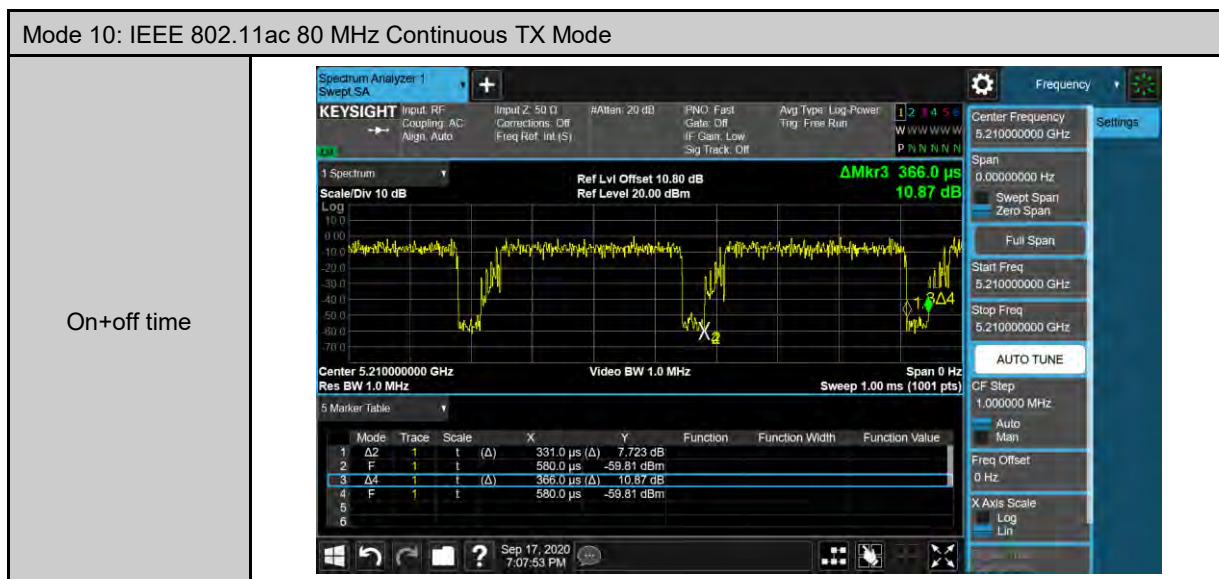
On+off time



Mode 7: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode

On+off time





2.6 量測不確定度

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

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

2.7 試驗環境

產品測試時之實驗室環境條件如下：

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

3. 測試項目與結果判定總表

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

2.4 GHz 頻段適用下列表格

項次	測試項目	適用規範	測試結果	量測設備	結果判定
1	電源線傳導干擾	低功率射頻器材技術規範 3.3 節	請參閱 4.1 節	請參閱 2.1 節	符合
2	場強輻射	低功率射頻器材技術規範 3.5、3.6 節、4.10.1.5 節	Annex A.	請參閱 2.1 節	符合
3	頻帶邊緣外之輻射發射	低功率射頻器材技術規範 4.10.1.5 節	Annex A.	請參閱 2.1 節	符合
4	峰值傳導輸出功率	低功率射頻器材技術規範 4.10.1.2(1)(C)節	Annex B.	請參閱 2.1 節	符合
5	天線規格	低功率射頻器材技術規範 4.10.1.3(3)、4.10.1.4 節	請參閱 4.2.3 節	-----	符合
6	非必要頻帶	低功率射頻器材技術規範 4.10.1.5(1)節	Annex B.	請參閱 2.1 節	符合
7	6 dB 頻寬	低功率射頻器材技術規範 4.10.1.6(2)(A)節	Annex B.	請參閱 2.1 節	符合
8	峰值發射電功率密度	低功率射頻器材技術規範 4.10.1.6(2)(B)節	Annex B.	請參閱 2.1 節	符合
9	電波暴露量之評估	低功率射頻器材技術規範 6.20.2 節	Annex E.	請參閱 2.1 節	符合

本產品透過預測試確認 X、Y 和 Z 個軸中最差之結果軸向為 Z 軸，因此場強輻射完整測試 Z 軸並將其結果記錄於報告中。

Decision Rule

☒ Uncertainty is not included.

☐ Uncertainty is included.

5 GHz U-NII 頻段適用下列表格

項次	測試項目	適用規範	測試結果	量測設備	結果判定
1	電源線傳導干擾	低功率射頻器材技術規範 3.3 節	請參閱 4.1 節	請參閱 2.1 節	符合
2	場強輻射	低功率射頻器材技術規範 3.5 節、3.6 節	Annex C.	請參閱 2.1 節	符合
3	頻帶邊緣外之輻射發射	低功率射頻器材技術規範 3.6 節、5.7.4 節	Annex C.	請參閱 2.1 節	符合
4	非必要頻帶	低功率射頻器材技術規範 5.7.4 節	Annex D.	請參閱 2.1 節	符合
5	最大傳導輸出功率	低功率射頻器材技術規範 5.7.3 節	Annex D.	請參閱 2.1 節	符合
6	最大傳導功率頻譜密度	低功率射頻器材技術規範 5.7.3 節	Annex D.	請參閱 2.1 節	符合
7	26 dB 頻寬之要求	N/A	Annex D.	請參閱 2.1 節	----
8	6 dB 頻寬之要求	低功率射頻器材技術規範 5.7.5 節	Annex D.	請參閱 2.1 節	符合
9	天線規格	低功率射頻器材技術規範 5.7.8 節	請參閱 4.3.6 節	-----	符合
10	電波暴露量之評估	低功率射頻器材技術規範 6.20.2 節	Annex E.	請參閱 2.1 節	符合

本產品透過預測試確認 X、Y 和 Z 個軸中最差之結果軸向為 Y 軸，因此場強輻射完整測試 Y 軸並將其結果記錄於報告中。

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。

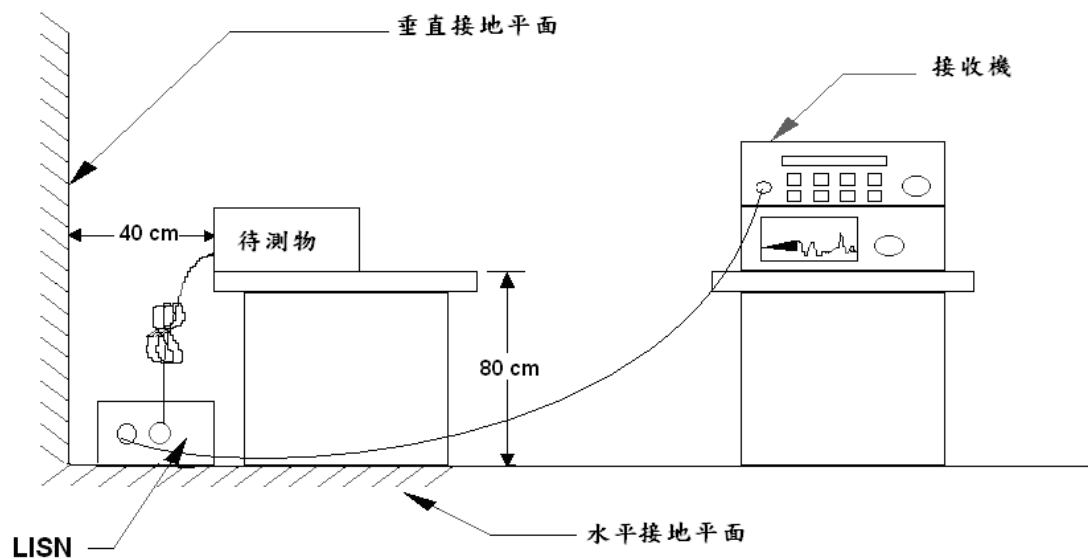
干擾值之計算

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 2.4 GHz 檢驗項目

4.2.1 場強輻射之量測

合格標準：

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

依據 NCC 低功率射頻器材技術規範第 3.5 節之規定,禁用頻段如下：

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

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

頻 率 (MHz)	電場強度 (μ V/m)	測距(m)
0.009 - 0.490(含)	2,400/頻率(千赫)	300
0.490 (不含) – 1.705 (含)	24,000/頻率(千赫)	30
1.705(不含) – 30 (不含)	30	30
30 (含) – 88 (含)	100	3
88 (不含) - 216 (含)	150	3
216 (不含) - 960 (含)	200	3
960 (不含)以上	500	3

測試方法：

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

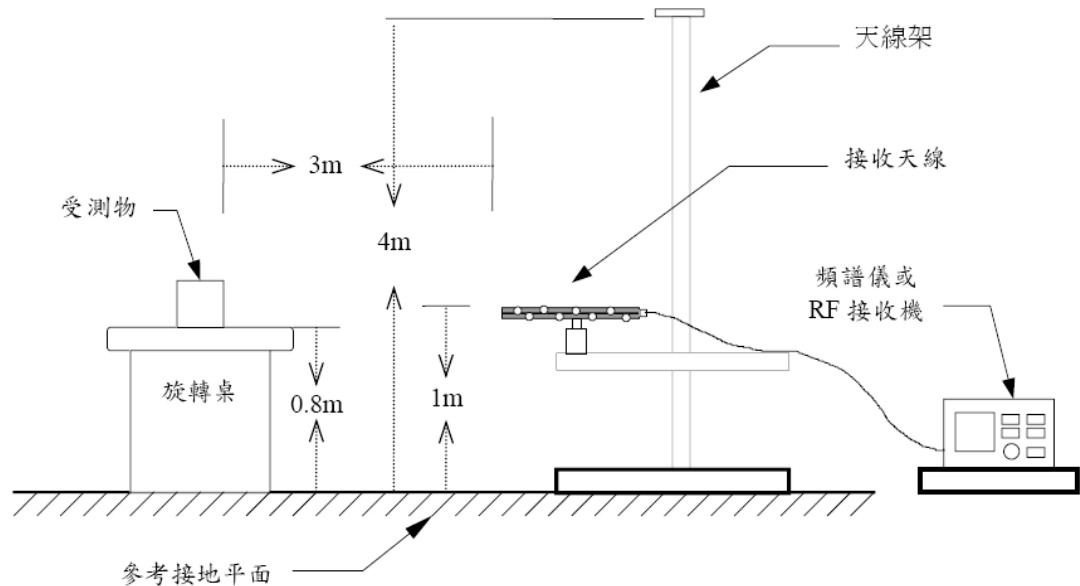
場強度之計算

場強之計算公式為：結果值 = 讀值 + 校正因子

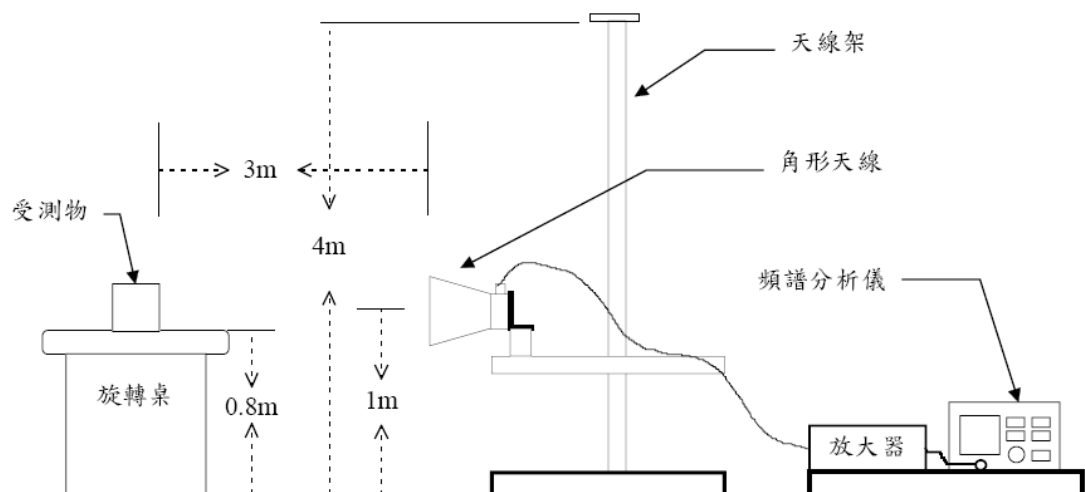
其中校正因子為：天線因子+ 饋線損失 + 濾波器損失（若有使用） - 放大器增益（若有使用）

測試架構圖：

量測頻率低於 1 GHz 以下之測試配置



量測頻率高於 1 GHz 以上之測試配置

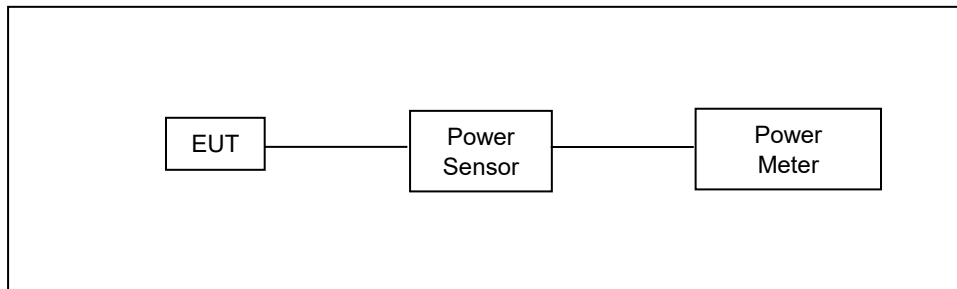


4.2.2 峰值傳導輸出功率之量測

合格標準：

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

測試架構圖：



4.2.3 天線規格之要求

合格標準：

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

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

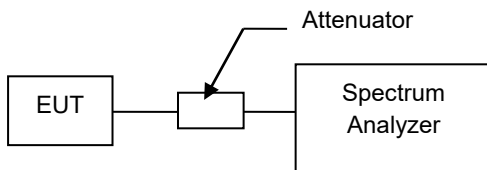
判定結果：符合。

4.2.4 非必要頻帶之量測

合格標準：

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

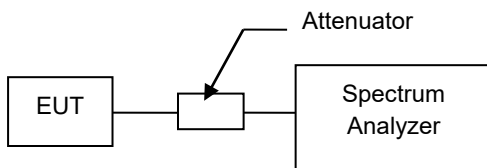
附註 2: 測試結果頻帶外之輻射雜訊皆小於主頻 TX 20 dB。

4.2.5 6 dB頻寬之要求

合格標準：

依據 NCC 低功率射頻器材技術規範 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：



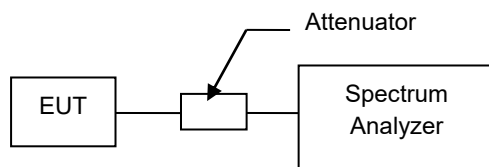
4.2.6 峰值發射電功率密度之要求

合格標準：

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

測試架構圖：

測試場地測試配置如圖所示。



4.2.7 電波暴露量之評估

合格標準：

若受測物於正常操作模式下，其發射機距離人體 20 公分以上者，可測試最大暴露允許值(Maximum Permissible Exposure, MPE)以證明其符合電波暴露量之要求。限制值如下：

6.20.2.1 職業性/可控制之暴露

頻率範圍 (MHz)	電場強度 (V/m)	磁場強度 (A/m)	功率密度 (mW/cm ²)	平均時間 (minutes)
0.3~3.0	614	1.63	*100	6
3~30	1842/f	4.89/f	*900/f ²	6
30~300	61.4	0.163	1.0	6
300~1,500	-----	-----	f/300	6
1,500~100,000	-----	-----	5.0	6

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：MHz。

6.20.2.2 一般人/不可控制之暴露

頻率範圍 (MHz)	電場強度 (V/m)	磁場強度 (A/m)	功率密度 (mW/cm ²)	平均時間 (minutes)
0.3~1.34	614	1.63	*100	30
1.34~30	824/f	2.19/f	*180/f ²	30
30~300	27.5	0.073	0.2	30
300~1,500	-----	-----	f/1500	30
1,500~100,000	-----	-----	1.0	30

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：MHz。

4.3 5 GHz U-NII 檢驗項目

4.3.1 場強輻射與非必要頻帶之量測

場強輻射合格標準：

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

依據 NCC 低功率射頻器材技術規範第 3.5 節之規定,禁用頻段如下：

頻率(MHz)	頻率(MHz)	頻率(MHz)	頻率(MHz)
0.090~0.110	108.00~138.00	1660.0~1770.0	8025.0~8500.0
0.490~0.510	149.90~150.05	1805.0~1865.0	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	2015.0~2025.0	13250~13400
5.670~5.690	240.00~285.00	2125.0~2165.0	14470~14500
6.200~6.300	322.00~335.40	2200.0~2300.0	15350~16200
8.230~8.400	399.90~410.00	2310.0~2390.0	17700~21400
12.265~12.600	485.00~510.00	2483.5~2900.0	22010~23120
13.340~13.430	608.00~614.00	3260.0~3267.0	23600~24000
14.965~15.020	703.00~748.00	3332.0~3339.0	31200~31800
16.700~16.755	758.00~803.00	3345.8~3358.0	36430~36500
19.965~20.020	825.00~915.00	3500.0~4400.0	38600 以上
25.500~25.700	930.00~1240.0	4500.0~5250.0	
37.475~38.275	1300.0~1427.0	5350.0~5460.0	
73.500~75.400	1435.0~1626.5	7250.0~7750.0	

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

頻 率 (MHz)	電場強度(μ V/m)	測距(m)
0.009 - 0.490(含)	2,400/頻率(千赫)	300
0.490 (不含) – 1.705 (含)	24,000/頻率(千赫)	30
1.705(不含) – 30 (不含)	30	30
30 (含) – 88 (含)	100	3
88 (不含)- 216 (含)	150	3
216 (不含)- 960 (含)	200	3
960 (不含)以上	500	3

非必要頻帶合格標準:

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

不必要發射之限值：在操作頻帶外的峰值發射應衰減至符合下列限值：

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

測試方法：

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

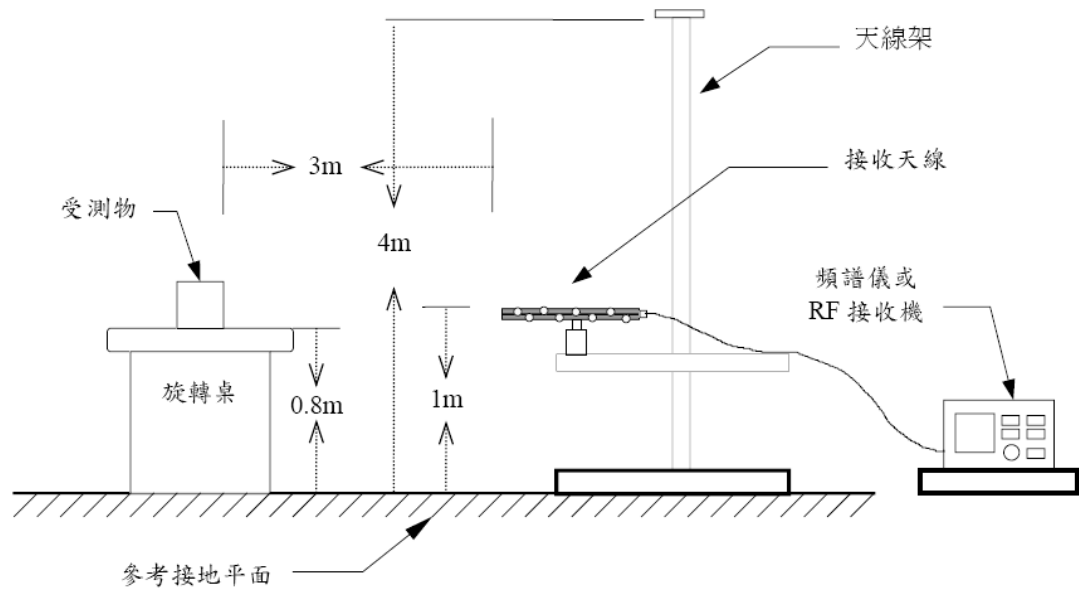
場強度之計算

場強之計算公式為：結果值 = 讀值 + 校正因子

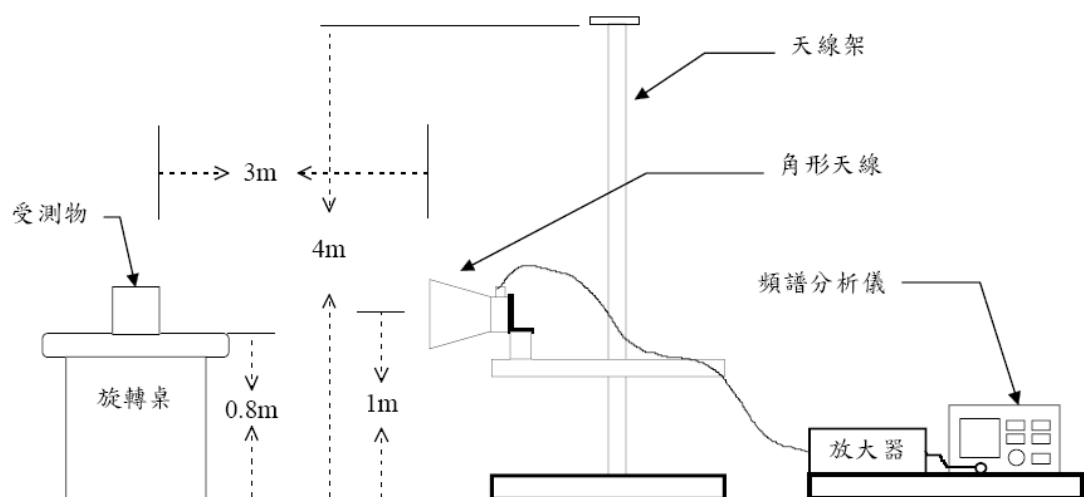
其中校正因子為：天線因子+ 饋線損失 + 濾波器損失（若有使用） - 放大器增益（若有使用）

測試架構圖：

量測頻率低於 1 GHz 以下之測試配置



量測頻率高於 1 GHz 以上之測試配置



4.3.2 最大傳導輸出功率之量測

合格標準：

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

1. 5.15-5.25 GHz 頻帶

(1) 供戶外操作使用：

- 最大傳導輸出功率不能超過 1 W。
- 在任何 1 MHz 頻帶中最大功率頻譜密度不能超過 17 dBm。
- 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。
- 在水平面仰角超過 30 度時，其最大 EIRP 不能超過 21 dBm。

(2) 供室內操作使用：

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

(3) 供固定式點對點操作使用：

- 最大傳導輸出功率不能超過 1 W。
- 在任何 1 MHz 頻帶中最大功率頻譜密度不能超過 17 dBm。
- 使用超過 23 dBi 方向增益之指向性天線時，應依超過 23 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。
- 固定式點對點操作，不包括點對多點系統、全方向性應用及多台共站發射機傳送相同資訊。

(4) 供行動或可攜式裝置操作使用：

- 最大傳導輸出功率不能超過 250 mW。
- 在任何 1 MHz 頻帶中最大功率頻譜密度不能超過 11 dBm。
- 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

2. 5.25-5.35 GHz 與 5.470-5.725 GHz 頻帶

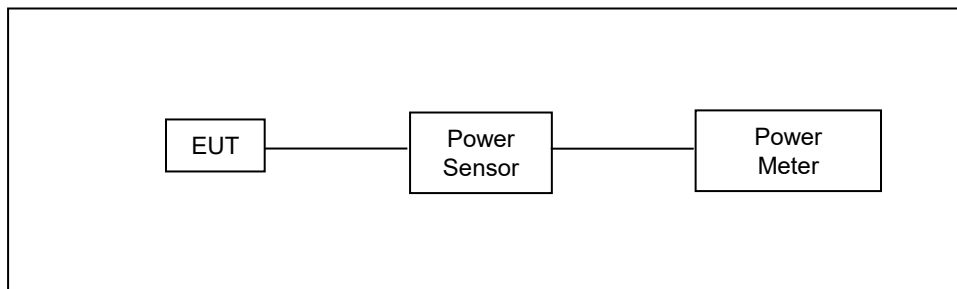
- (1) 最大傳導輸出功率不能超過 250 mW 或 $11 \text{ dBm} + 10 \log B$ (B 是 26 dB 發射頻寬，單位 MHz)之較小者。
- (2) 最大功率頻譜密度在任何 1 MHz 頻帶中不能超過 11 dBm。
- (3) 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

3. 5.725-5.850 GHz 頻帶

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

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

測試架構圖：



4.3.3 最大傳導功率頻譜密度之要求

合格標準:

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

1. 5.15-5.25 GHz 頻帶

(1) 供戶外操作使用:

- 在任何 1 MHz 頻帶中最大功率頻譜密度不能超過 17 dBm。
- 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。
- 在水平面仰角超過 30 度時，其最大 EIRP 不能超過 21 dBm。

(2) 供室內操作使用:

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

(3) 供固定式點對點操作使用:

- 在任何 1 MHz 頻帶中最大功率頻譜密度不能超過 17 dBm。
- 使用超過 23 dBi 方向增益之指向性天線時，應依超過 23 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。
- 固定式點對點操作，不包括點對多點系統、全方向性應用及多台共站發射機傳送相同資訊。

(4) 供行動或可攜式裝置操作使用:

- 在任何 1 MHz 頻帶中最大功率頻譜密度不能超過 11 dBm。
- 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

2. 5.25-5.35 GHz 與 5.470-5.725 GHz 頻帶

(1) 最大功率頻譜密度在任何 1 MHz 頻帶中不能超過 11 dBm。

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

3. 5.725-5.850 GHz 頻帶

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

(2) 供固定式點對點操作時，使用方向增益超過 6 dBi 之發射天線，可不需對應減少發射器之傳導輸出功率限制值。

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

4. 最大功率頻譜密度量測規定：

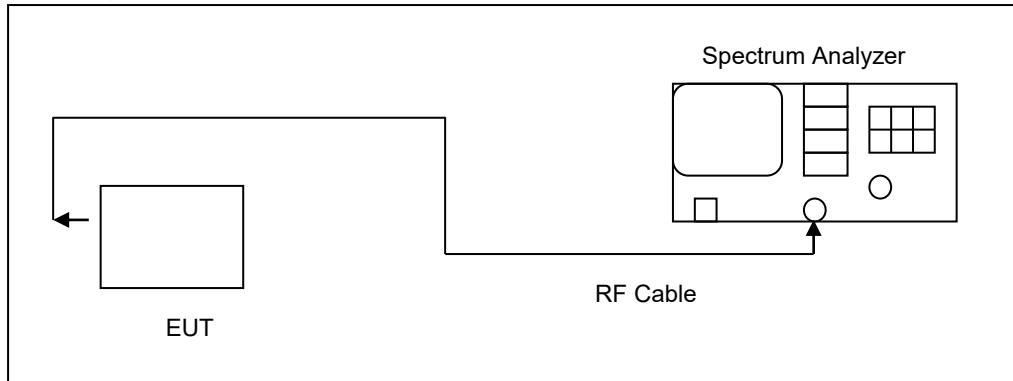
(1) 應將量測儀器直接連接待測物，以傳導方式執行。

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

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

(4) 解析頻寬小於(2)或(3)時，應以補償方式計算總功率頻譜密度。

測試架構圖：

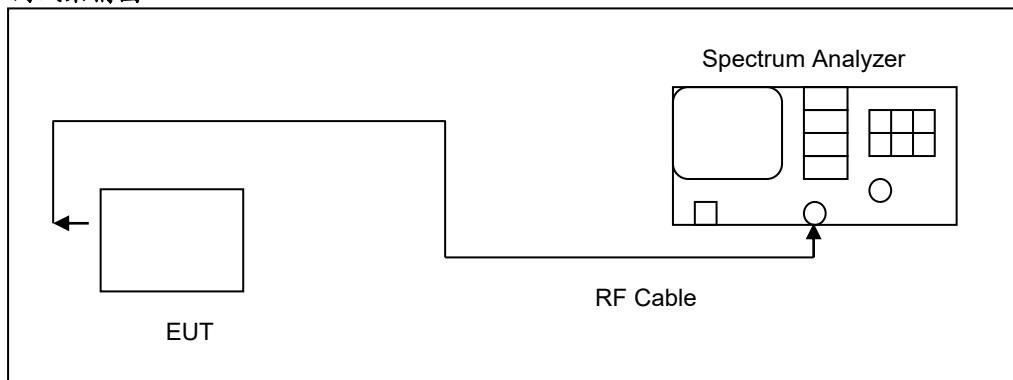


4.3.4 26 dB頻寬之要求

合格標準:

N/A

測試架構圖：

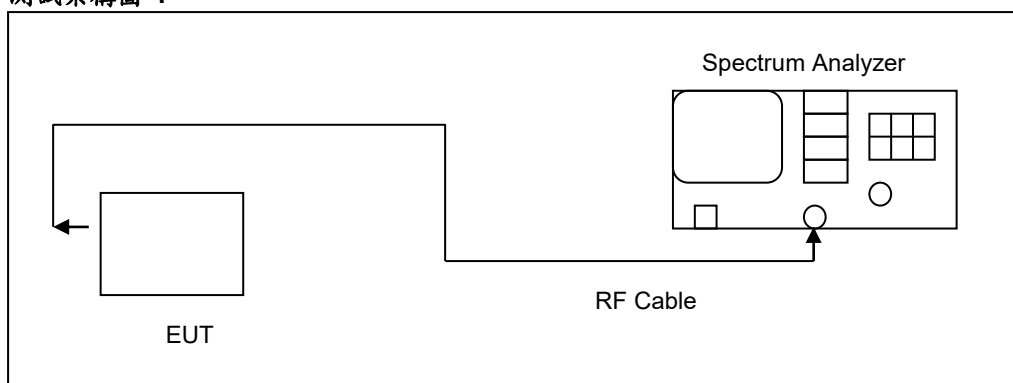


4.3.5 6 dB頻寬之要求

合格標準:

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

測試架構圖：



4.3.6 天線規格之要求

合格標準:

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

判定結果: 符合。

4.3.7 電波暴露量之評估

合格標準:

若受測物於正常操作模式下，其發射機距離人體 20 公分以上者，可測試最大暴露允許值(Maximum Permissible Exposure, MPE)以證明其符合電波暴露量之要求。限制值如下：

6.20.2.1 職業性/可控制之暴露

頻率範圍 (MHz)	電場強度 (V/m)	磁場強度 (A/m)	功率密度 (mW/cm ²)	平均時間 (minutes)
0.3~3.0	614	1.63	*100	6
3~30	1842/f	4.89/f	*900/f ²	6
30~300	61.4	0.163	1.0	6
300~1,500	-----	-----	f/300	6
1,500~100,000	-----	-----	5.0	6

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：MHz。

6.20.2.2 一般人/不可控制之暴露

頻率範圍 (MHz)	電場強度 (V/m)	磁場強度 (A/m)	功率密度 (mW/cm ²)	平均時間 (minutes)
0.3~1.34	614	1.63	*100	30
1.34~30	824/f	2.19/f	*180/f ²	30
30~300	27.5	0.073	0.2	30
300~1,500	-----	-----	f/1500	30
1,500~100,000	-----	-----	1.0	30

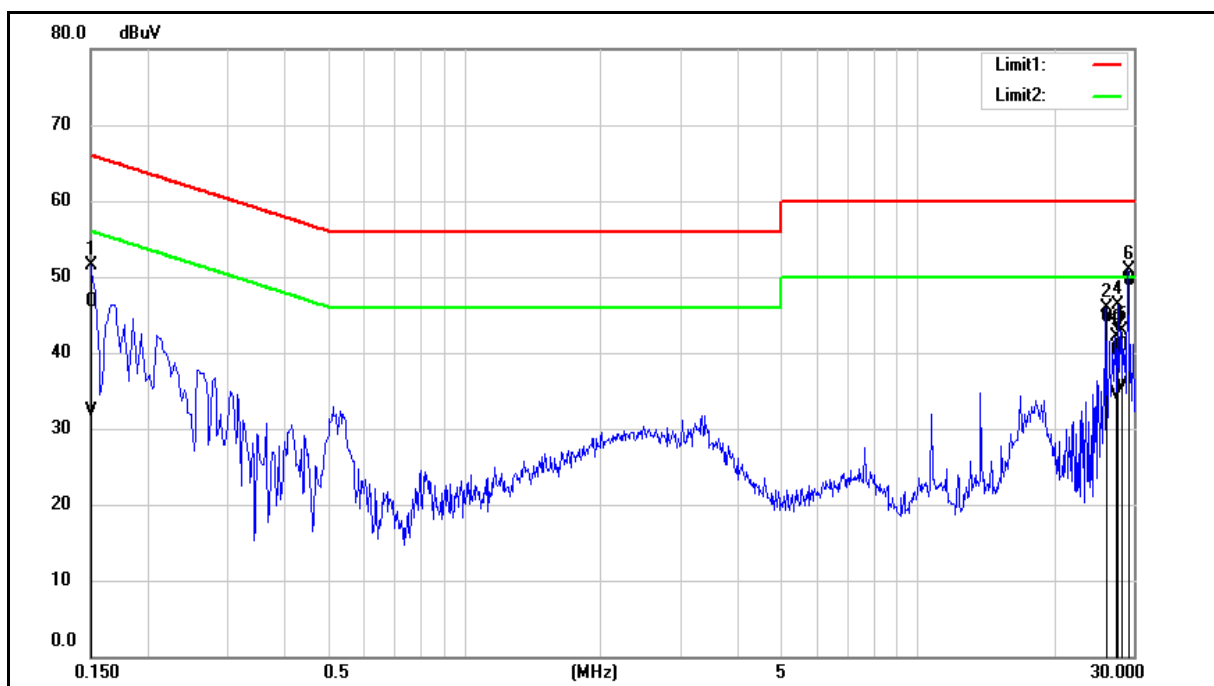
註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：MHz。

5. Test Results

Annex A. Conducted Emission

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

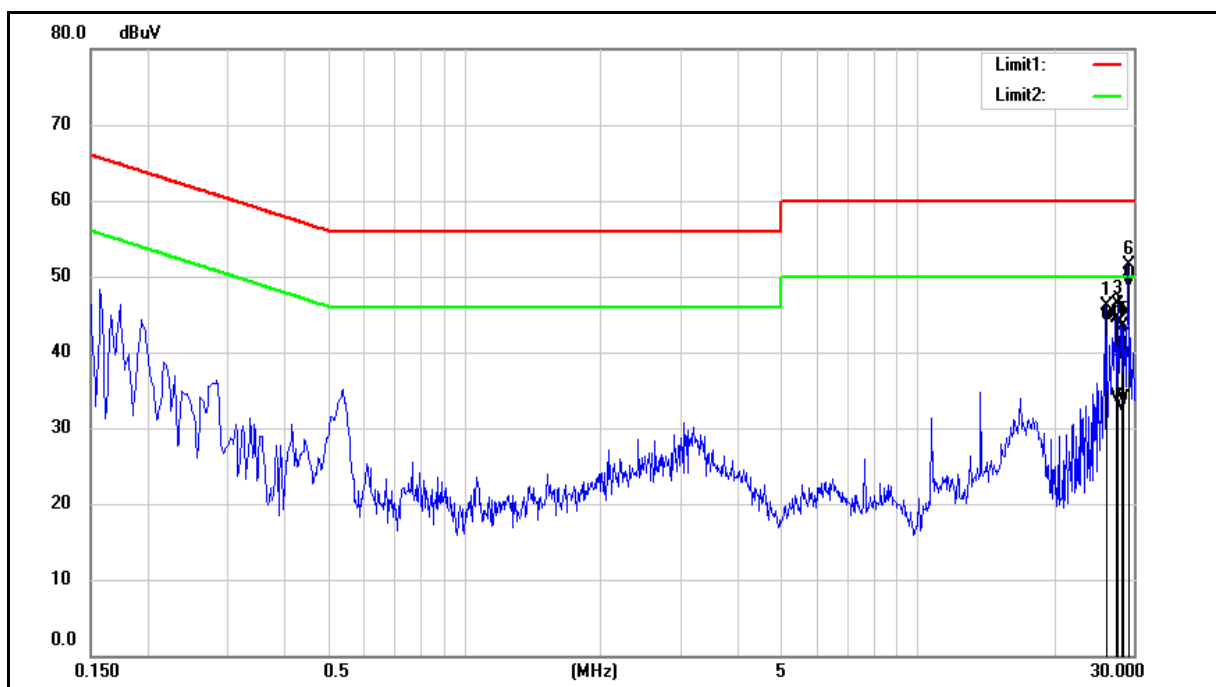


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1500	36.92	22.51	9.70	46.62	32.21	66.00	56.00	-19.38	-23.79	Pass
2	26.1140	34.72	34.53	10.07	44.79	44.60	60.00	50.00	-15.21	-5.40	Pass
3	27.2980	30.26	24.50	10.07	40.33	34.57	60.00	50.00	-19.67	-15.43	Pass
4	27.6500	34.41	33.52	10.08	44.49	43.60	60.00	50.00	-15.51	-6.40	Pass
5	28.0540	30.81	25.72	10.08	40.89	35.80	60.00	50.00	-19.11	-14.20	Pass
6	29.1860	39.49	39.03	10.09	49.58	49.12	60.00	50.00	-10.42	-0.88	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	26.1140	34.81	34.64	10.16	44.97	44.80	60.00	50.00	-15.03	-5.20	Pass
2	27.2940	30.01	23.97	10.17	40.18	34.14	60.00	50.00	-19.82	-15.86	Pass
3	27.6500	34.63	33.72	10.18	44.81	43.90	60.00	50.00	-15.19	-6.10	Pass
4	28.0540	30.71	22.70	10.19	40.90	32.89	60.00	50.00	-19.10	-17.11	Pass
5	28.4180	29.58	23.79	10.19	39.77	33.98	60.00	50.00	-20.23	-16.02	Pass

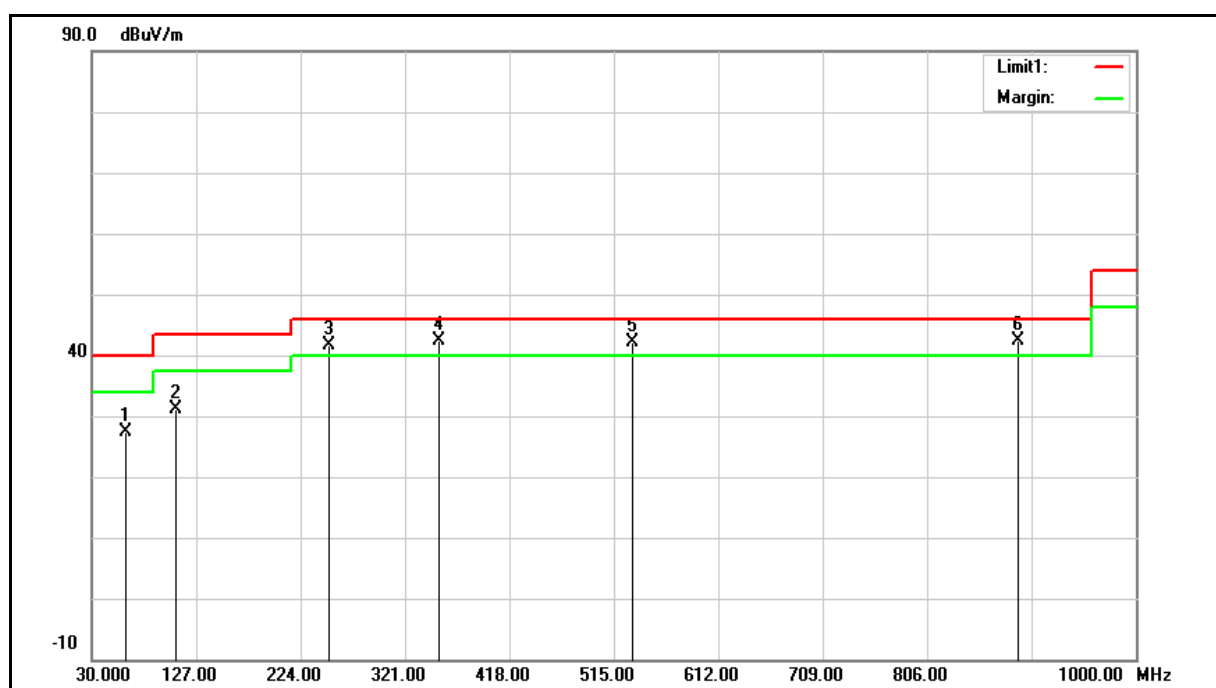
註：1. 干擾值(dBuV) = 校正係數(dB) + 讀值(dBuV)。

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

Annex B. Radiated Emission Measurement (2.4 GHz)

其它不必要之訊號 (1 GHz 以下)

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	246.3100	45.75	-8.41	37.34	46.00	-8.66	QP
2	299.6600	44.81	-6.59	38.22	46.00	-7.78	QP
3	359.8000	45.31	-5.50	39.81	46.00	-6.19	QP
4	389.8700	42.62	-4.99	37.63	46.00	-8.37	QP
5	419.9400	44.39	-4.48	39.91	46.00	-6.09	QP
6	480.0800	42.08	-3.81	38.27	46.00	-7.73	QP

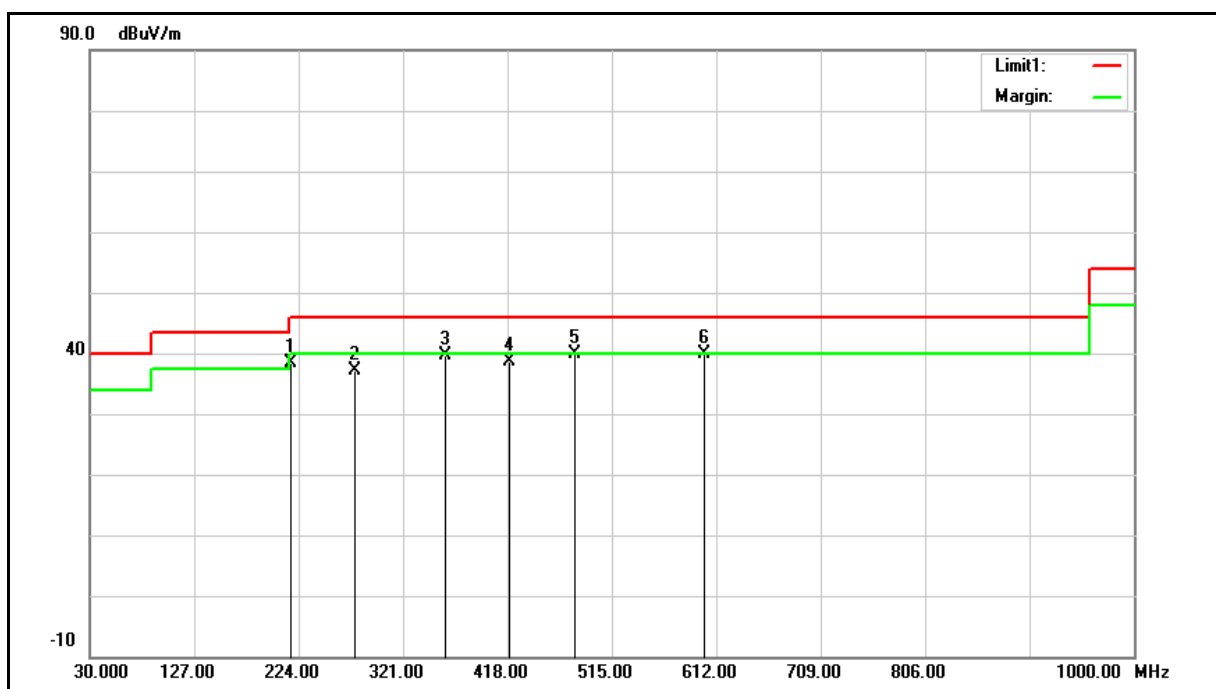
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 37.34 = -8.41 + 45.75.

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	216.2400	48.16	-9.74	38.42	46.00	-7.58	QP
2	276.3800	44.44	-7.24	37.20	46.00	-8.80	QP
3	359.8000	45.18	-5.50	39.68	46.00	-6.32	QP
4	419.9400	43.04	-4.48	38.56	46.00	-7.44	QP
5	480.0800	43.79	-3.81	39.98	46.00	-6.02	QP
6	600.3600	41.17	-1.33	39.84	46.00	-6.16	QP

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

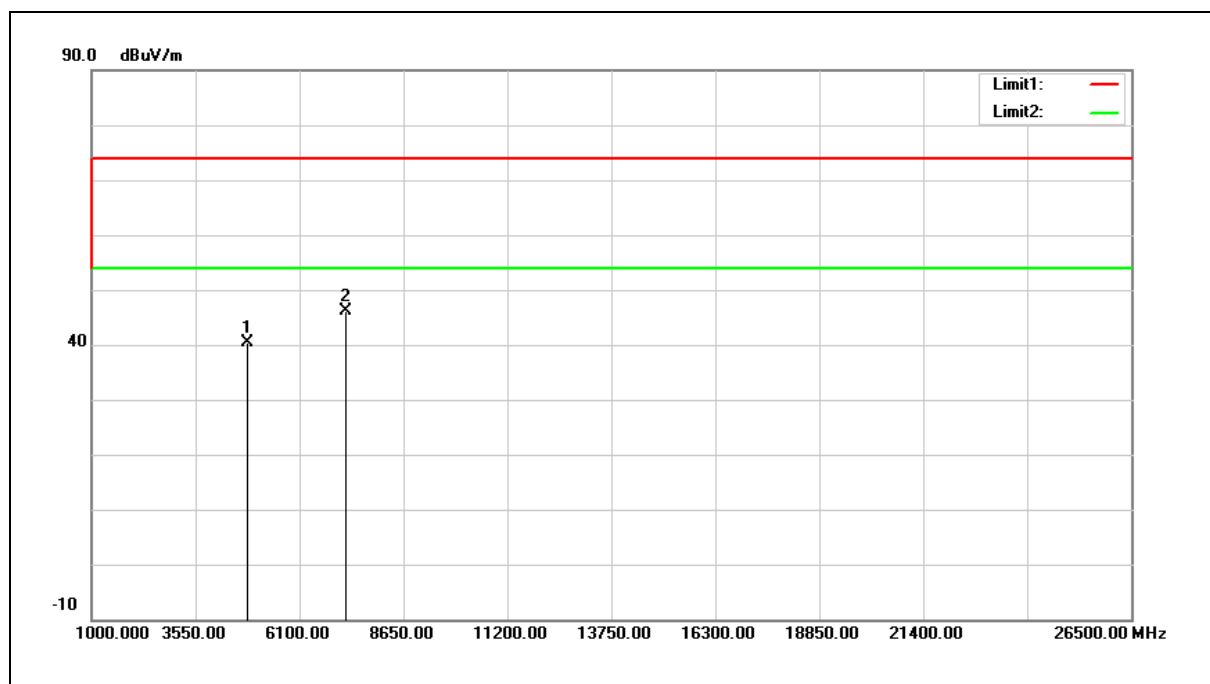
Example: $38.42 = -9.74 + 48.16$.

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

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

場強輻射量側 (1 GHz 以上)

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	37.43	2.84	40.27	74.00	-33.73	peak
2	7236.000	37.15	8.91	46.06	74.00	-27.94	peak

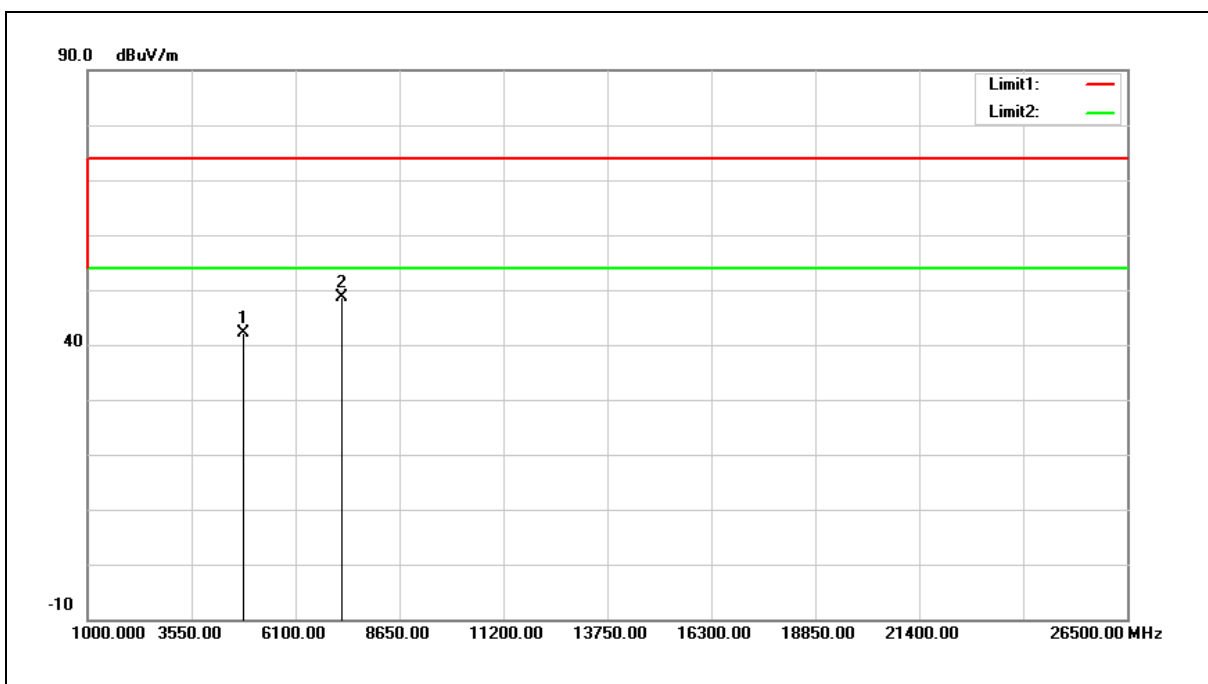
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: $40.27 = 2.84 + 37.43$.

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:	3m
Test item:	Harmonic		
Frequency:	2412 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	4824.000	39.25	2.84	42.09	74.00	-31.91	peak
2	7236.000	39.64	8.91	48.55	74.00	-25.45	peak

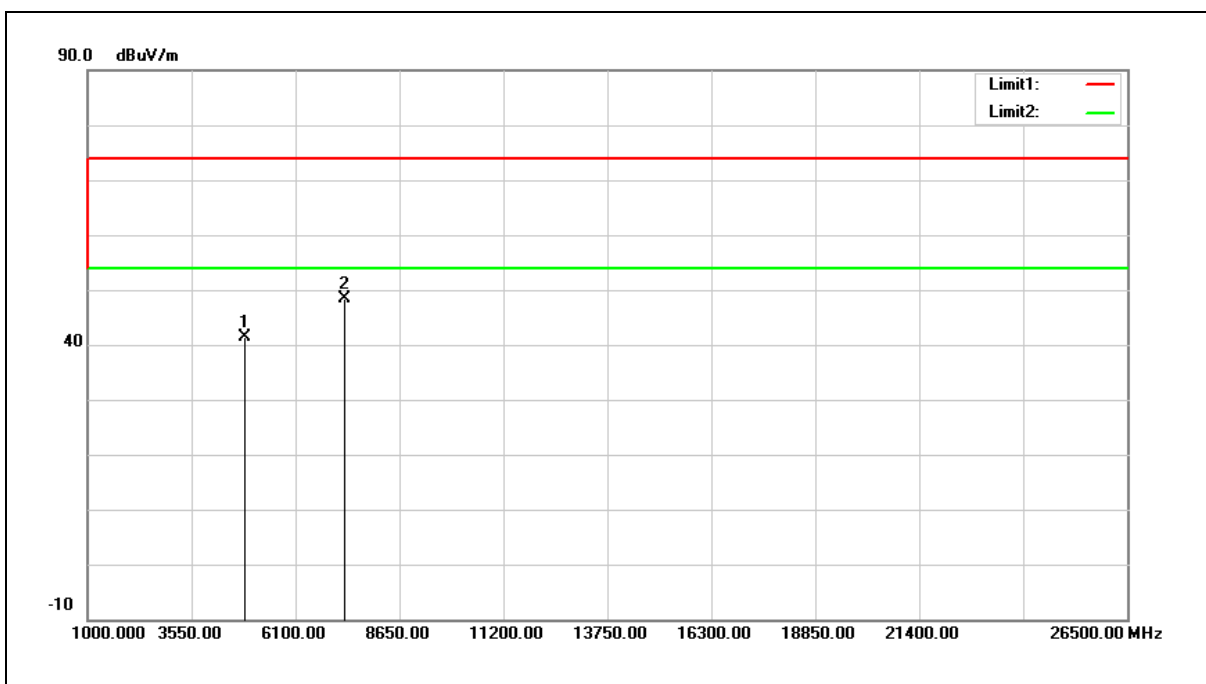
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 42.09 = 2.84 + 39.25.

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:	3m
Test item:	Harmonic		
Frequency:	2437 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



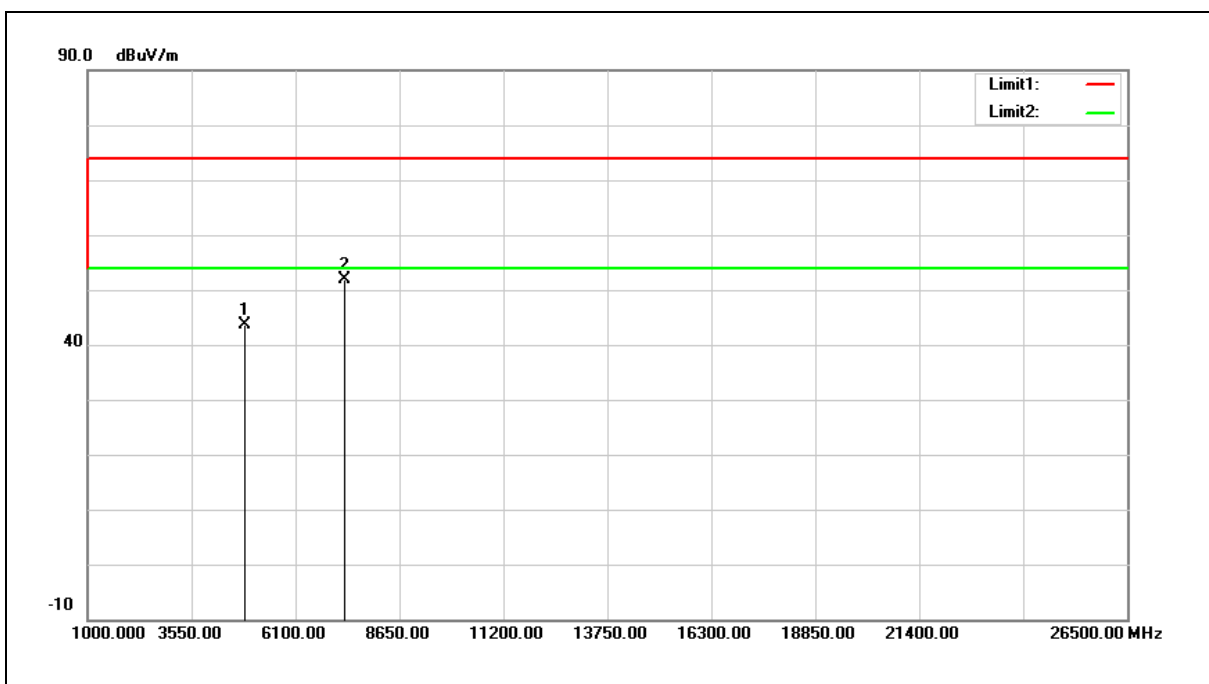
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	38.34	2.96	41.30	74.00	-32.70	peak
2	7311.000	39.33	9.14	48.47	74.00	-25.53	peak

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:	3m
Test item:	Harmonic		
Frequency:	2437 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



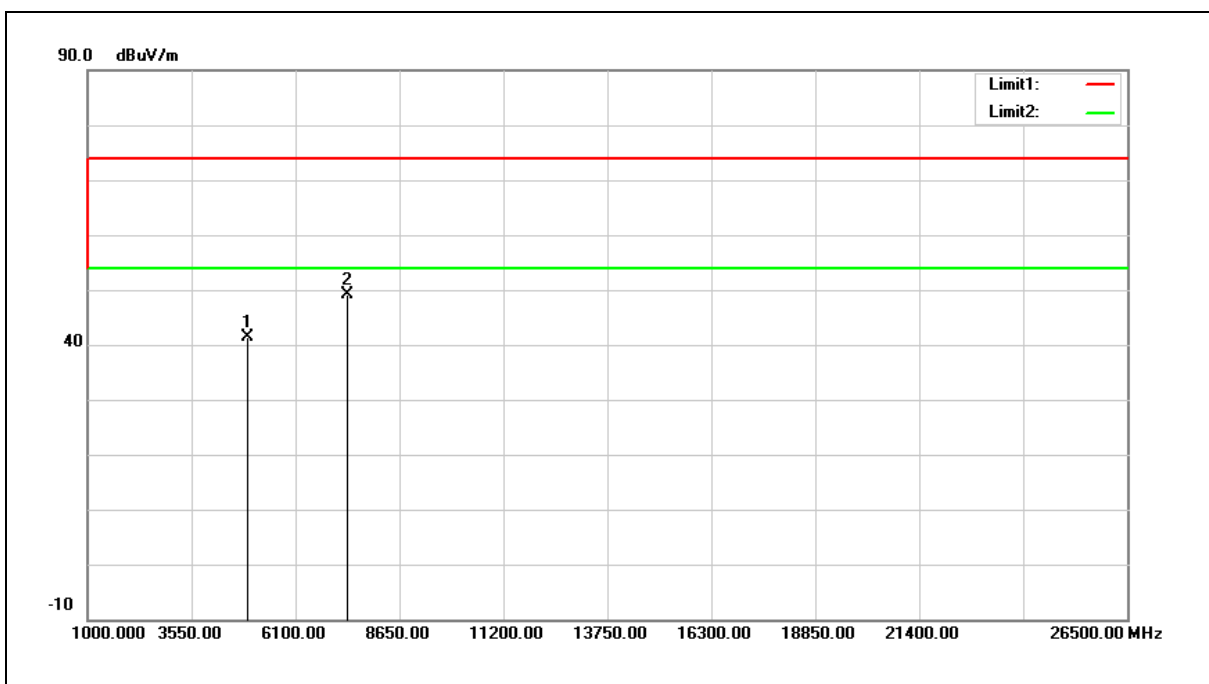
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	40.66	2.96	43.62	74.00	-30.38	peak
2	7311.000	42.63	9.14	51.77	74.00	-22.23	peak

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:	3m
Test item:	Harmonic		
Frequency:	2462 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



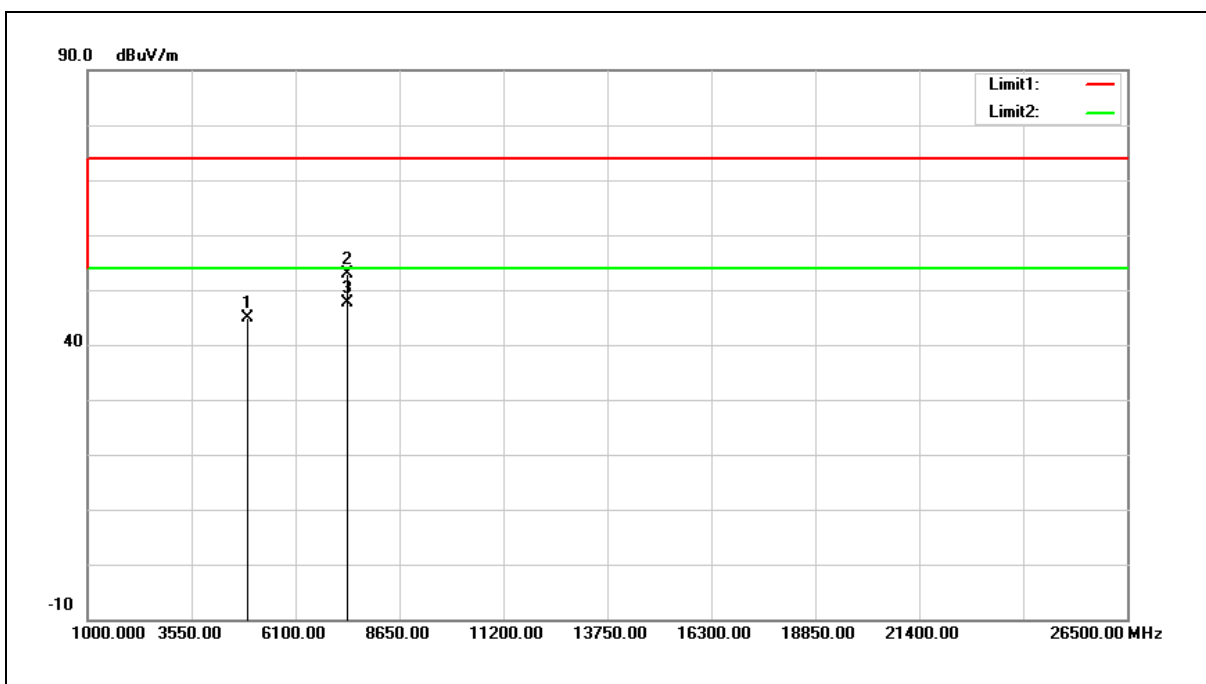
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	38.29	3.08	41.37	74.00	-32.63	peak
2	7386.000	39.68	9.38	49.06	74.00	-24.94	peak

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:	3m
Test item:	Harmonic		
Frequency:	2462 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



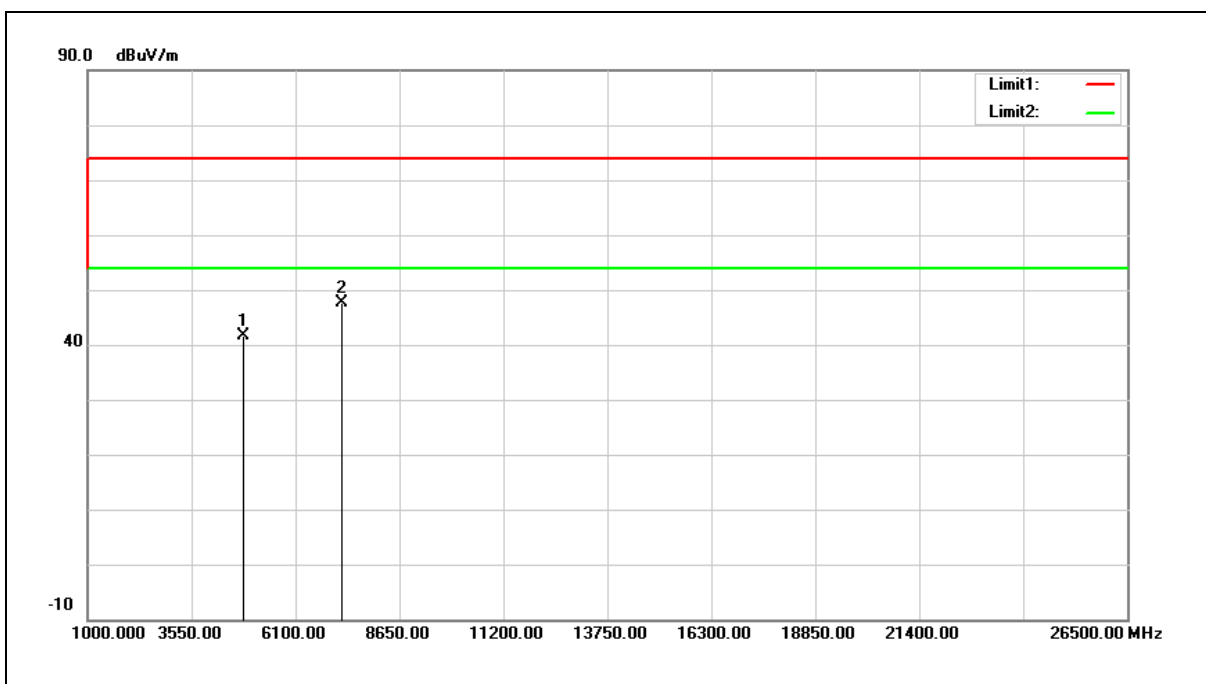
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	41.80	3.08	44.88	74.00	-29.12	peak
2	7386.000	43.40	9.38	52.78	74.00	-21.22	peak
3	7386.000	38.32	9.38	47.70	54.00	-6.30	AVG

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:	3m
Test item:	Harmonic		
Frequency:	2412 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



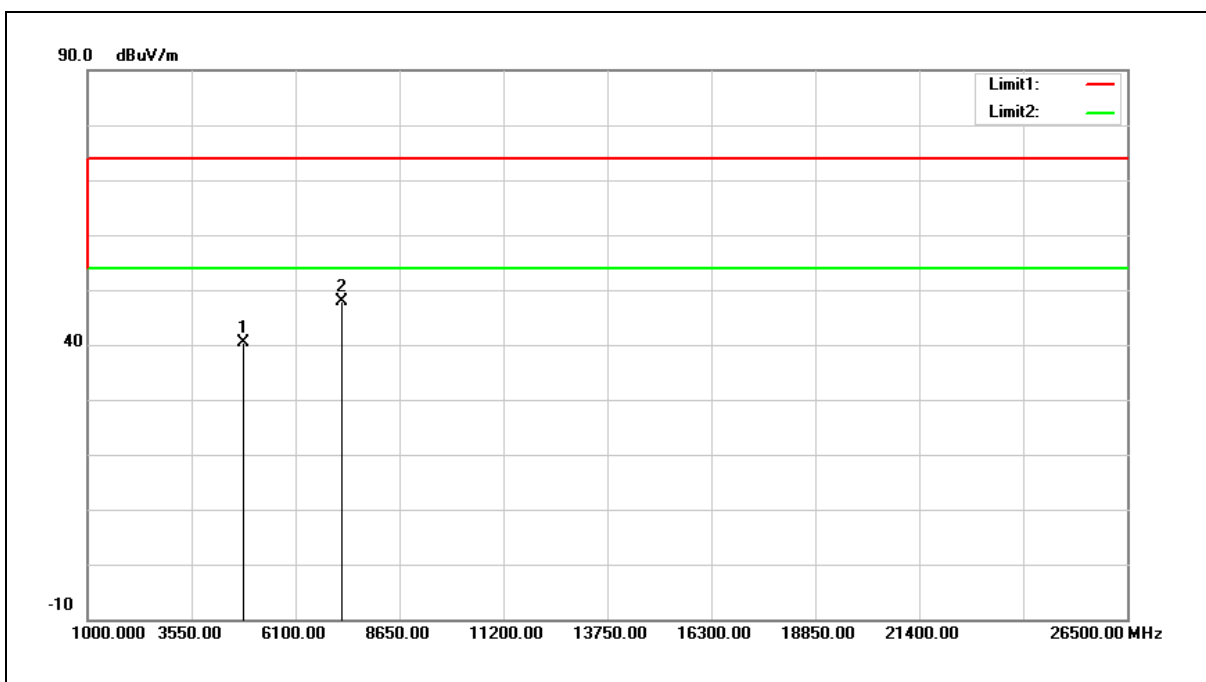
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	38.68	2.84	41.52	74.00	-32.48	peak
2	7236.000	38.68	8.91	47.59	74.00	-26.41	peak

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:	3m
Test item:	Harmonic		
Frequency:	2412 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



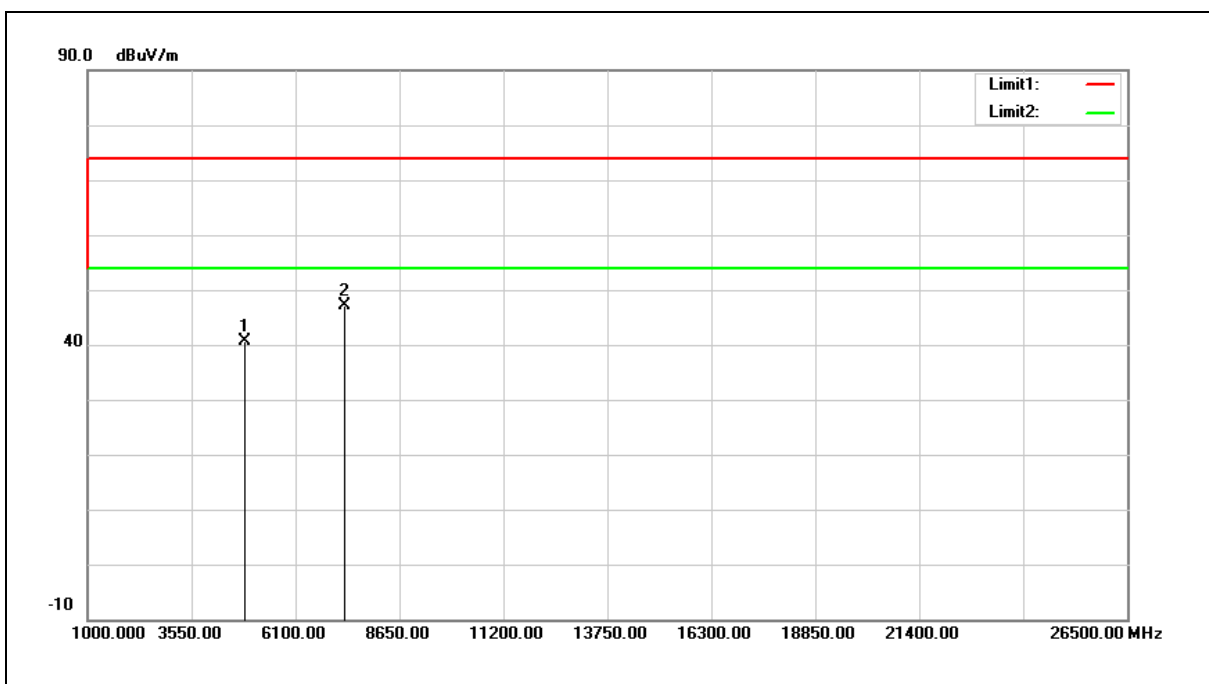
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	37.50	2.84	40.34	74.00	-33.66	peak
2	7236.000	38.96	8.91	47.87	74.00	-26.13	peak

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:	3m
Test item:	Harmonic		
Frequency:	2437 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



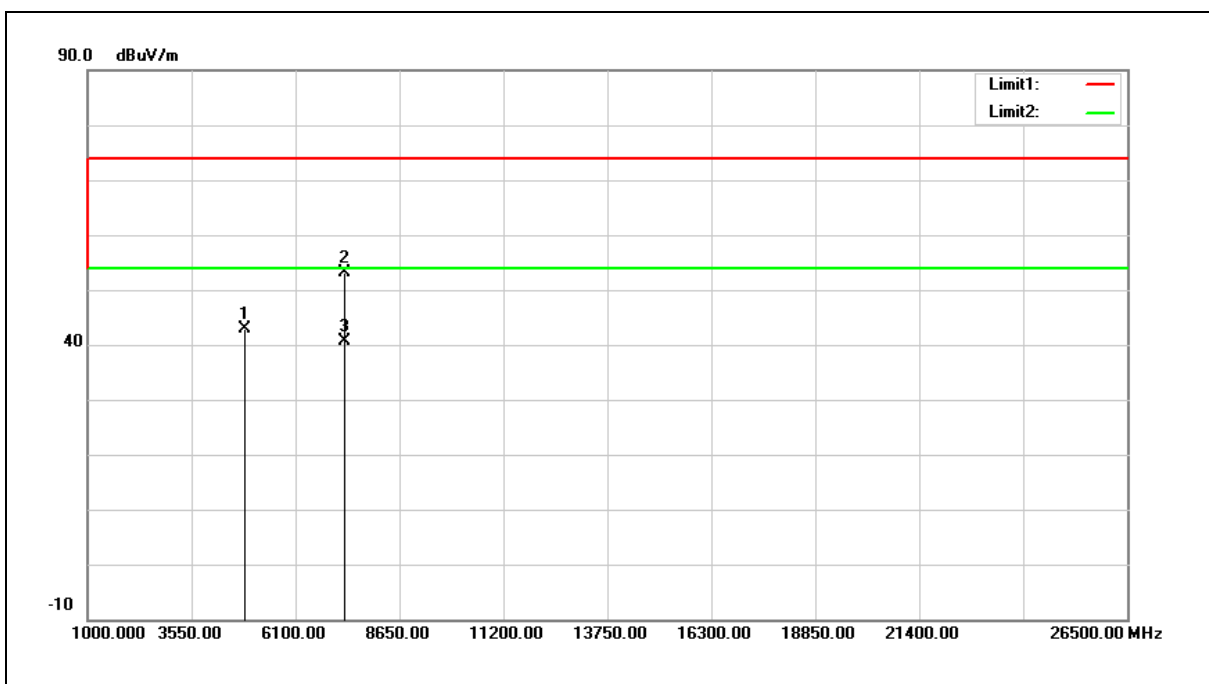
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	37.55	2.96	40.51	74.00	-33.49	peak
2	7311.000	38.02	9.14	47.16	74.00	-26.84	peak

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:	3m
Test item:	Harmonic		
Frequency:	2437 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



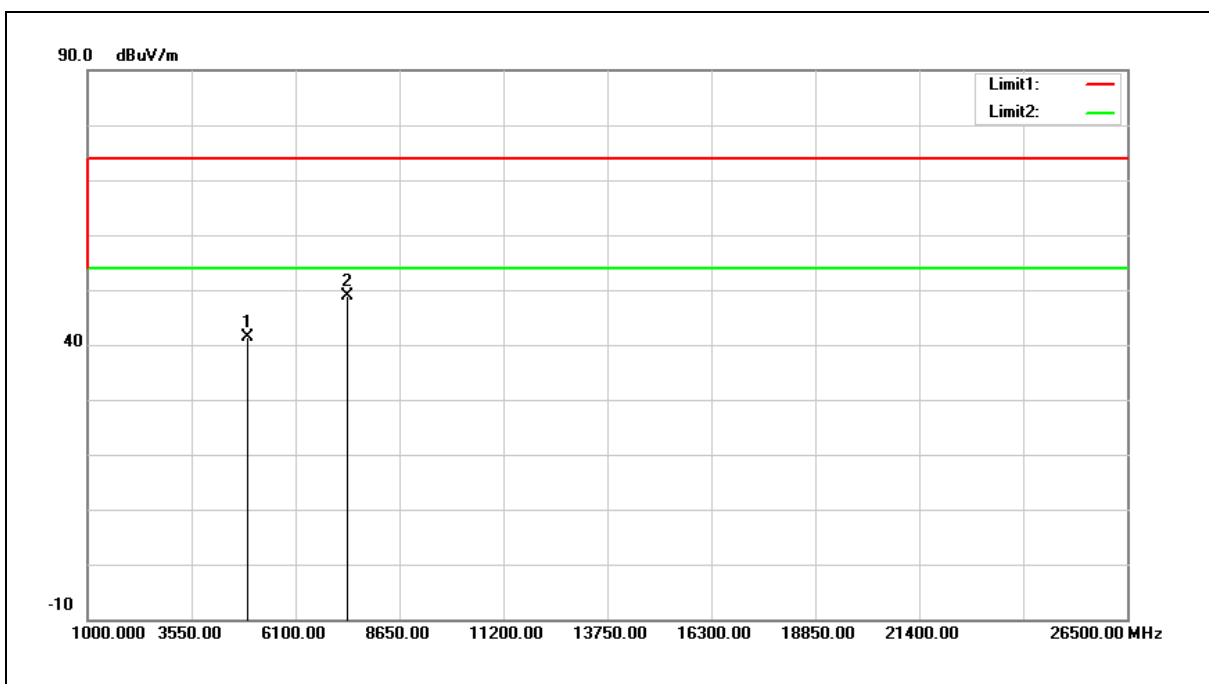
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	40.01	2.96	42.97	74.00	-31.03	peak
2	7311.000	44.09	9.14	53.23	74.00	-20.77	peak
3	7311.000	31.42	9.14	40.56	54.00	-13.44	AVG

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:	3m
Test item:	Harmonic		
Frequency:	2462 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



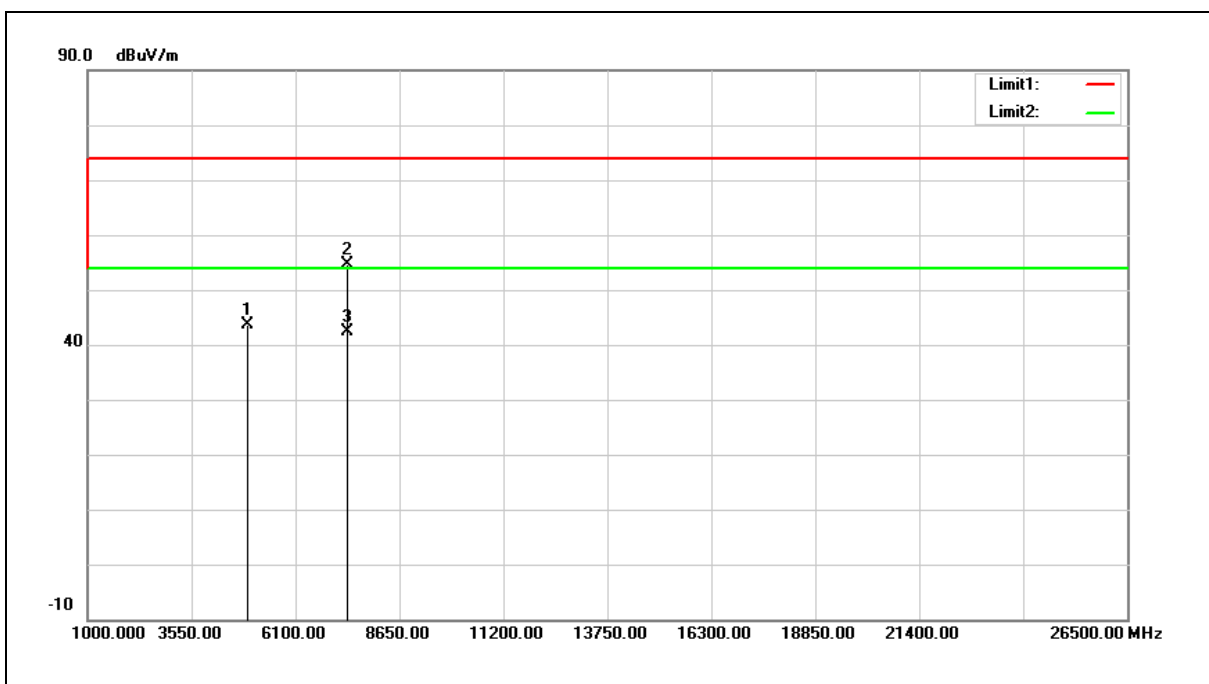
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	38.41	3.08	41.49	74.00	-32.51	peak
2	7386.000	39.43	9.38	48.81	74.00	-25.19	peak

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

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

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

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



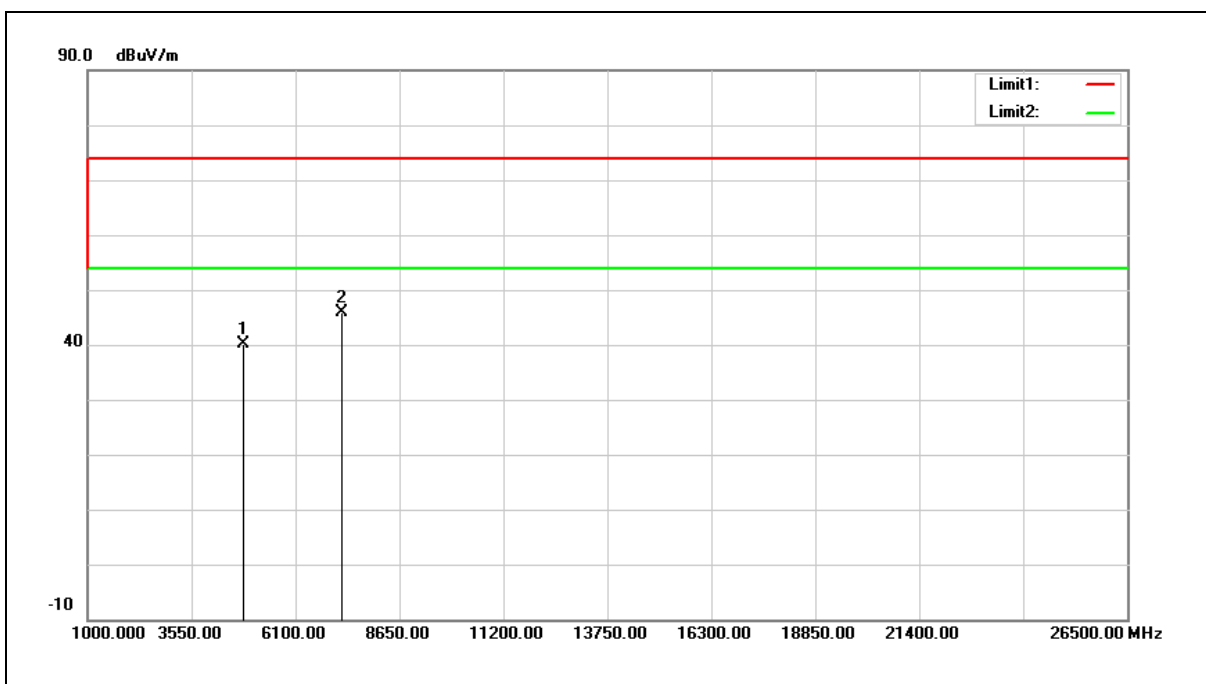
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	40.54	3.08	43.62	74.00	-30.38	peak
2	7386.000	45.15	9.38	54.53	74.00	-19.47	peak
3	7386.000	32.95	9.38	42.33	54.00	-11.67	AVG

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:	3m
Test item:	Harmonic		
Frequency:	2412 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



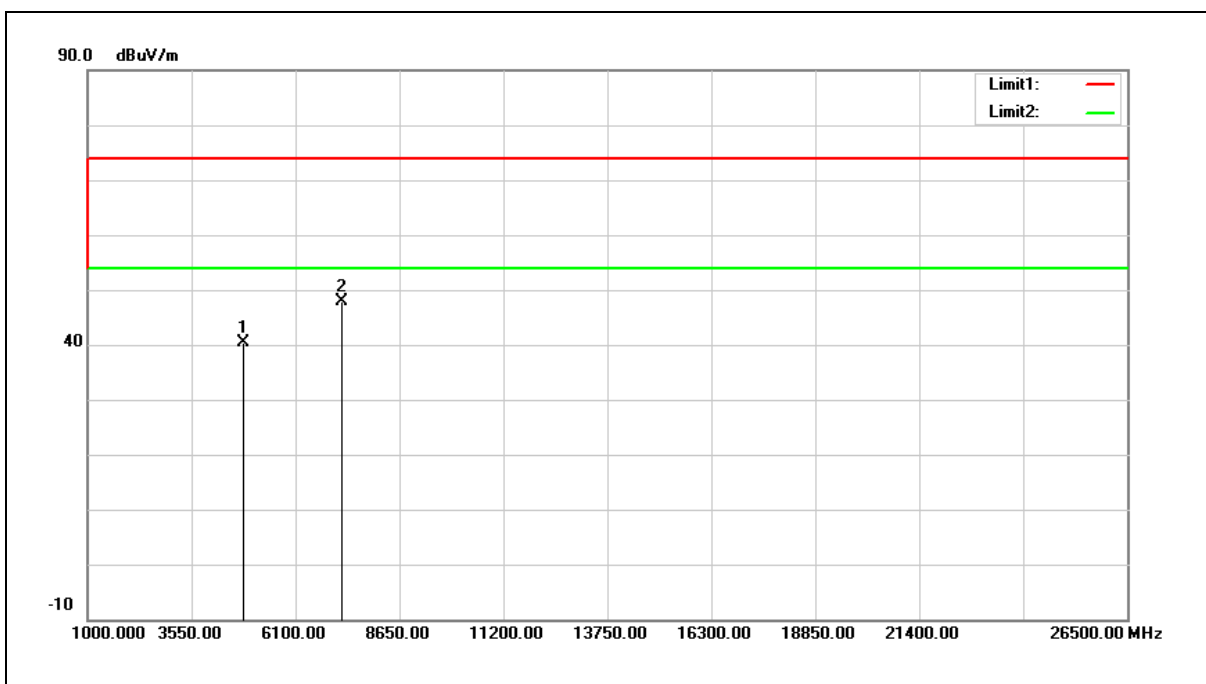
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	37.40	2.84	40.24	74.00	-33.76	peak
2	7236.000	36.90	8.91	45.81	74.00	-28.19	peak

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

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

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

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



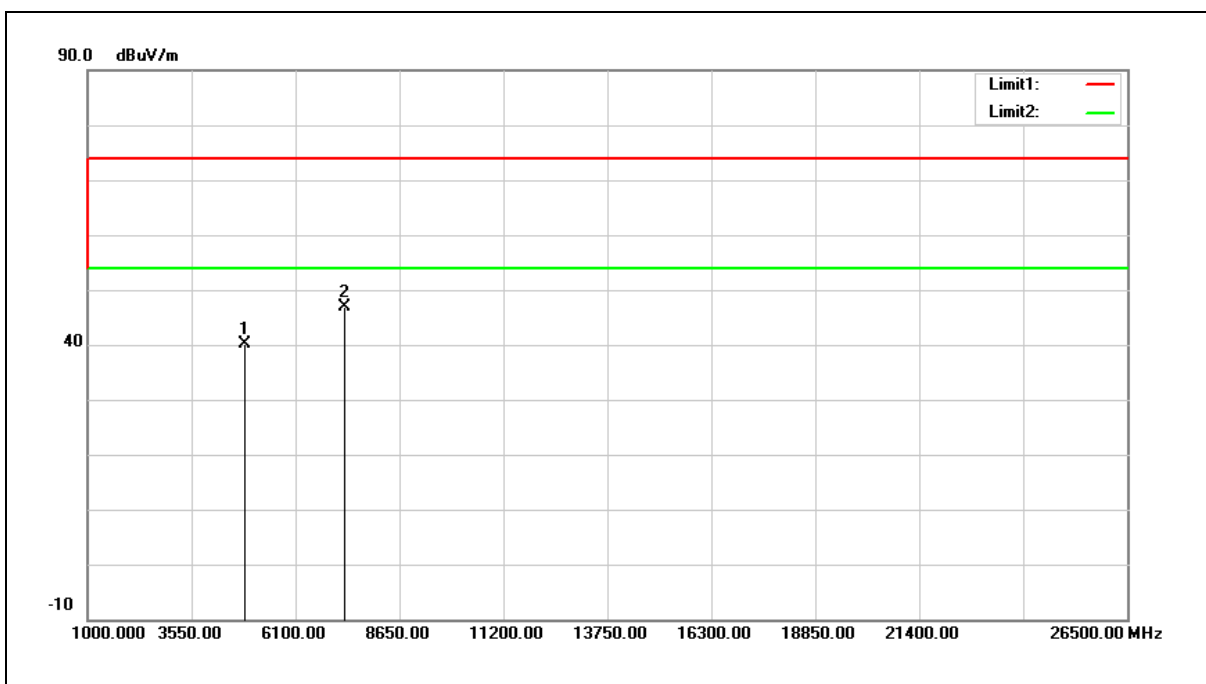
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	37.45	2.84	40.29	74.00	-33.71	peak
2	7236.000	39.04	8.91	47.95	74.00	-26.05	peak

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:	3m
Test item:	Harmonic		
Frequency:	2437 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



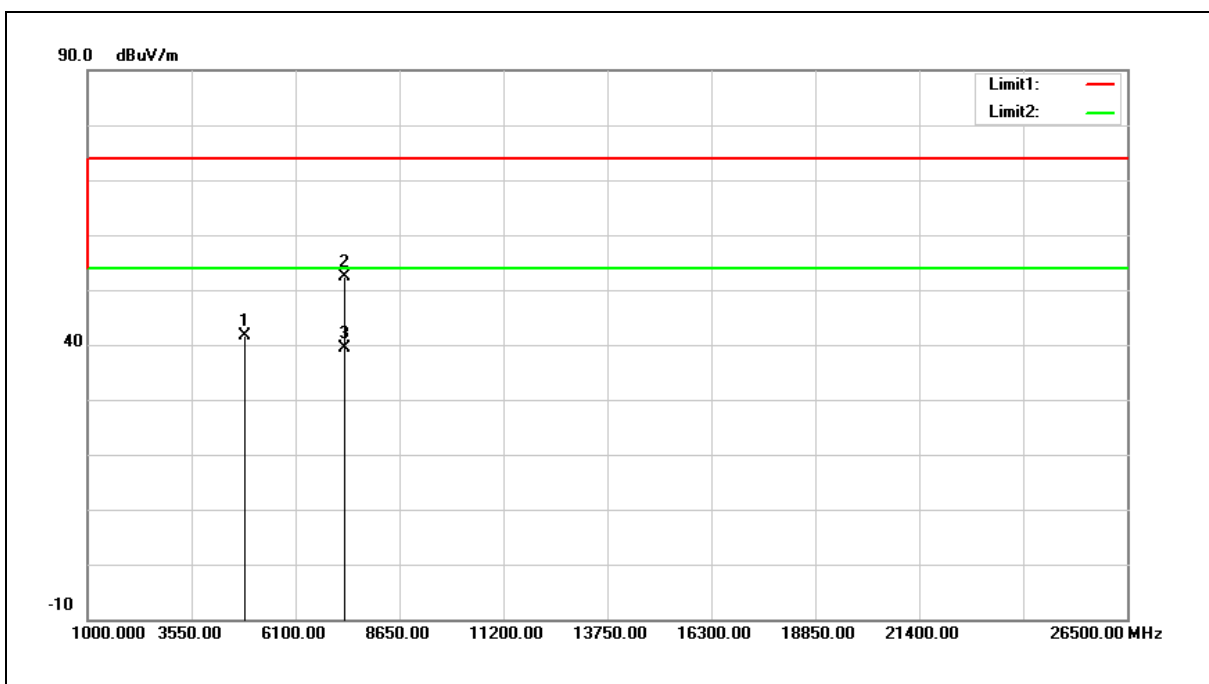
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	37.27	2.96	40.23	74.00	-33.77	peak
2	7311.000	37.68	9.14	46.82	74.00	-27.18	peak

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:	3m
Test item:	Harmonic		
Frequency:	2437 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



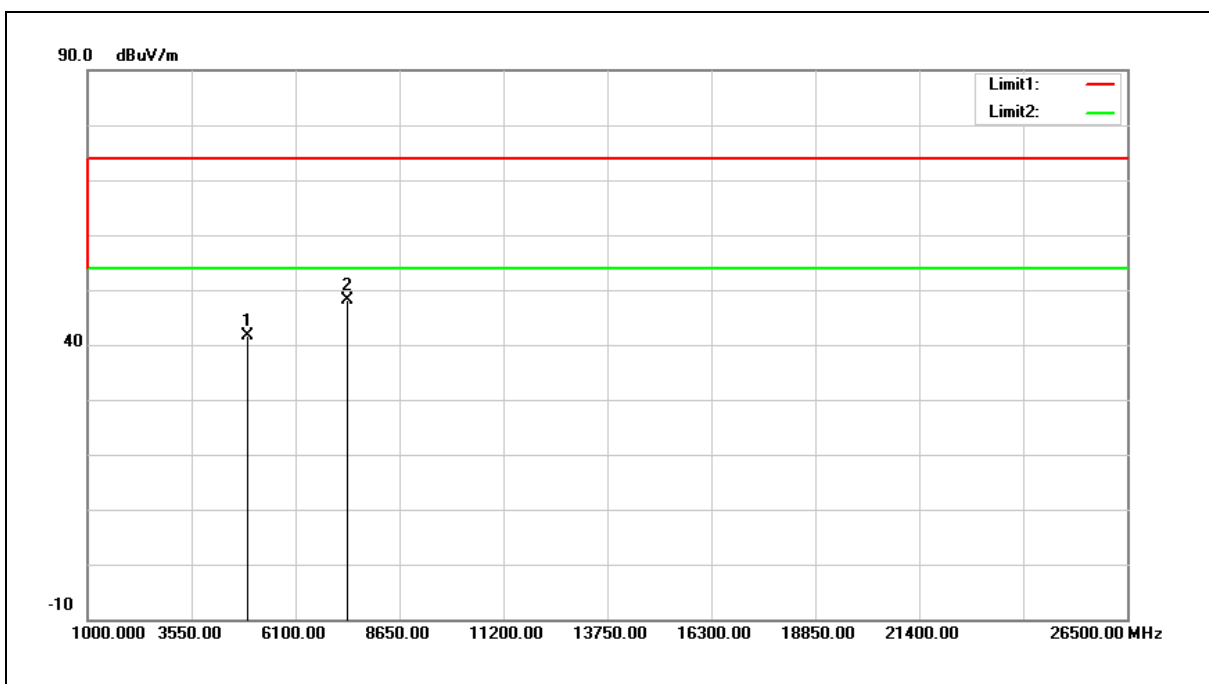
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	38.76	2.96	41.72	74.00	-32.28	peak
2	7311.000	43.24	9.14	52.38	74.00	-21.62	peak
3	7311.000	30.36	9.14	39.50	54.00	-14.50	AVG

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:	3m
Test item:	Harmonic		
Frequency:	2462 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



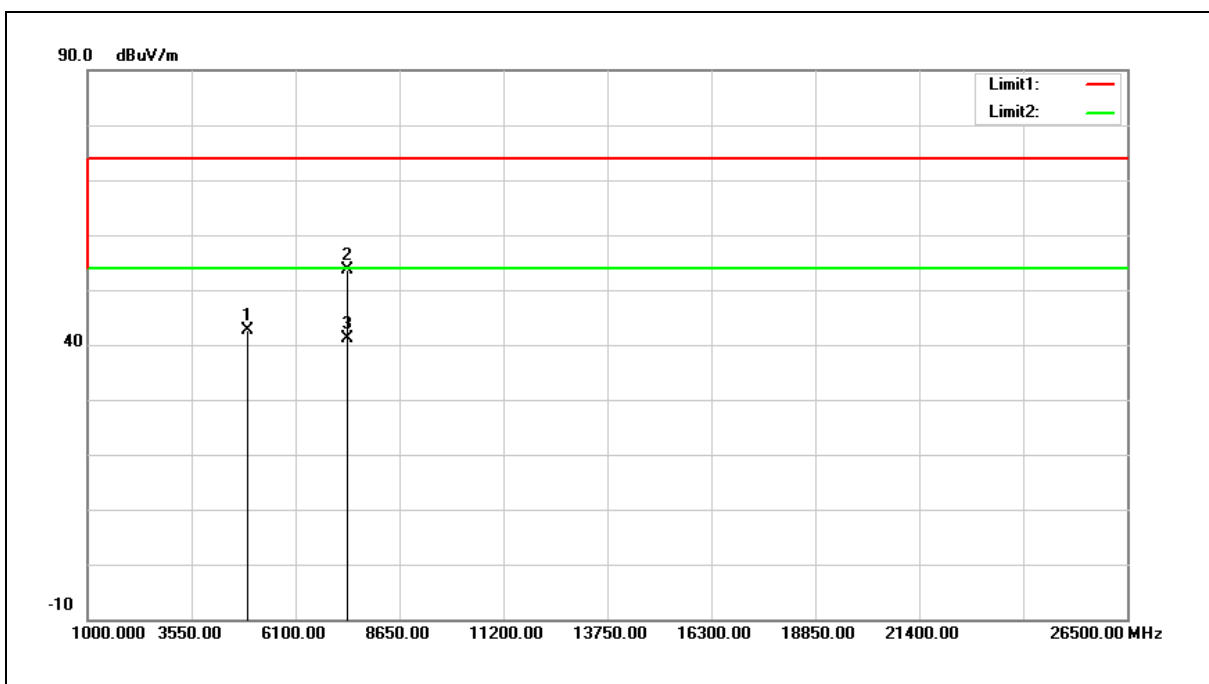
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	38.47	3.08	41.55	74.00	-32.45	peak
2	7386.000	38.70	9.38	48.08	74.00	-25.92	peak

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:	3m
Test item:	Harmonic		
Frequency:	2462 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



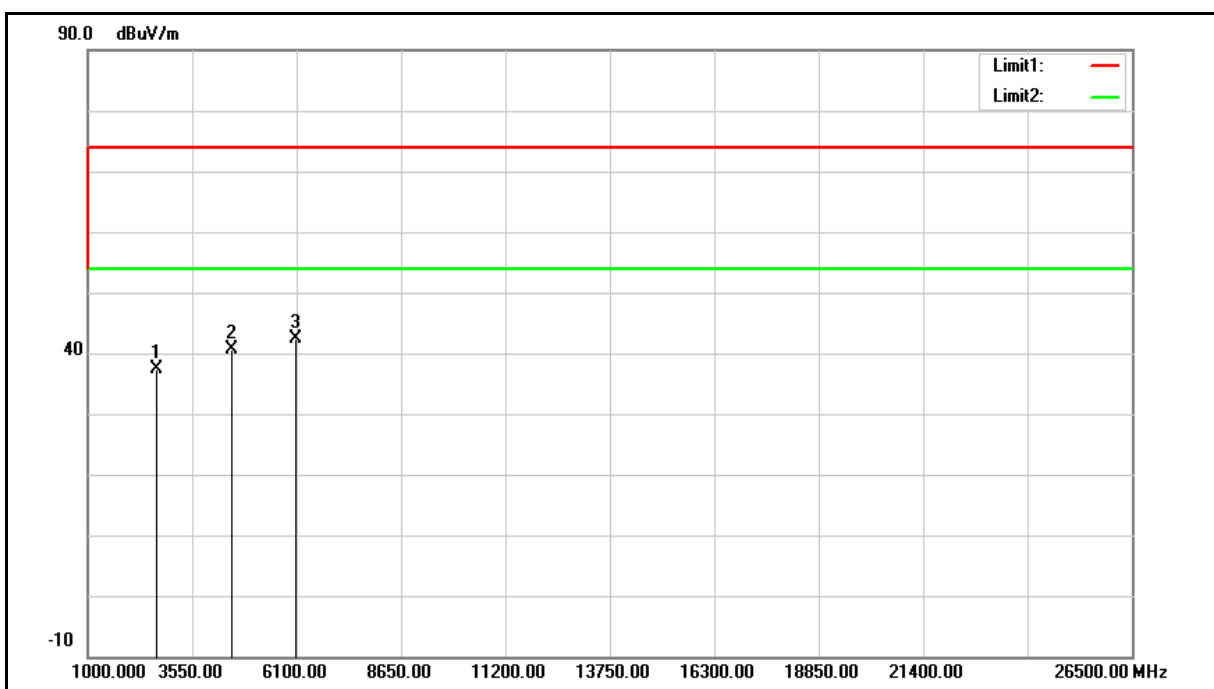
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	39.60	3.08	42.68	74.00	-31.32	peak
2	7386.000	44.13	9.38	53.51	74.00	-20.49	peak
3	7386.000	31.74	9.38	41.12	54.00	-12.88	AVG

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

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

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

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



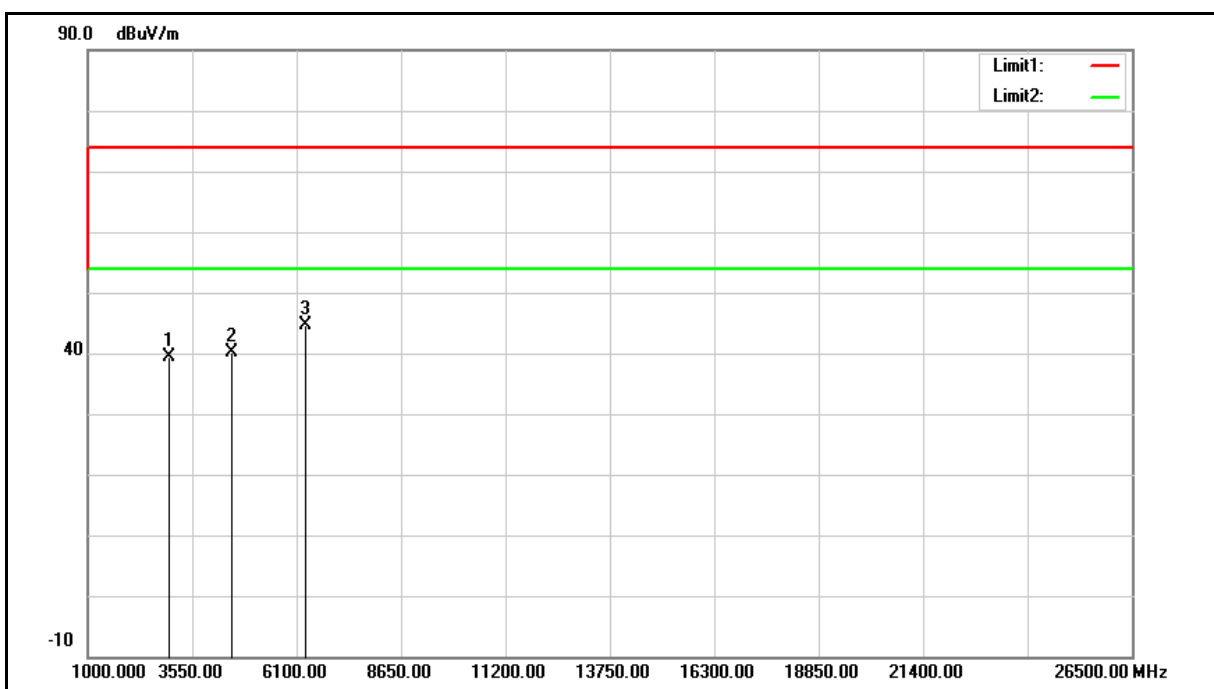
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2666.000	39.69	-2.28	37.41	74.00	-36.59	peak
2	4502.000	38.68	2.05	40.73	74.00	-33.27	peak
3	6066.000	37.30	5.18	42.48	74.00	-31.52	peak

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

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

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

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



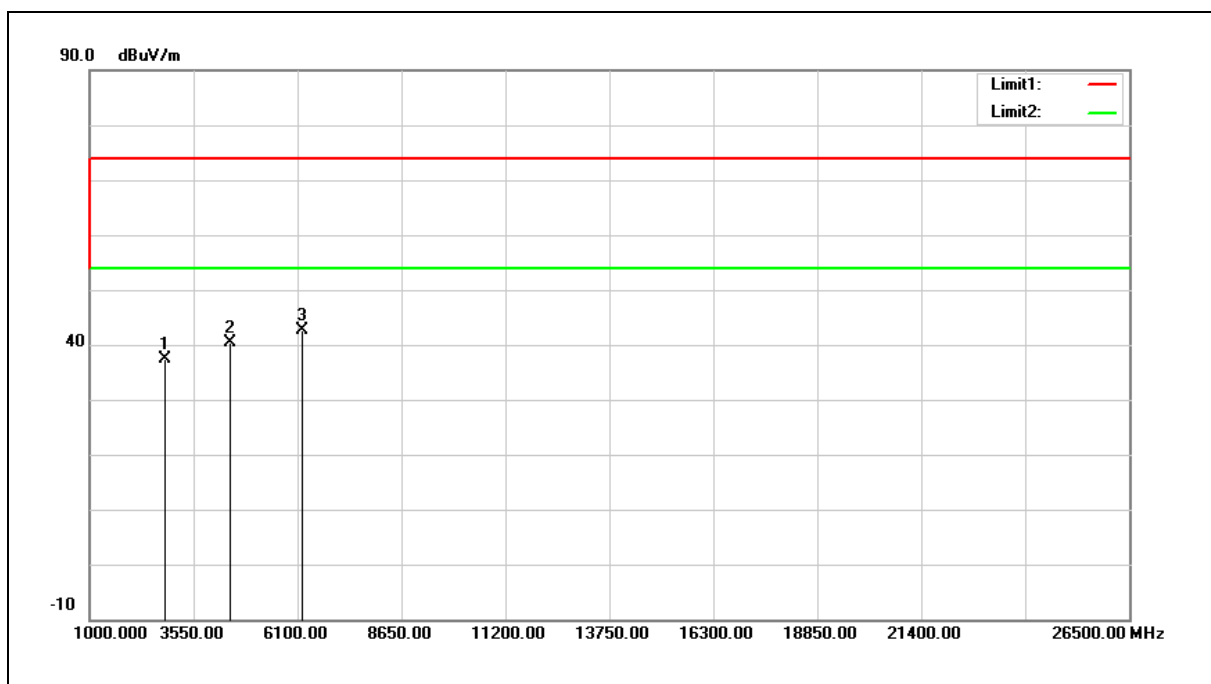
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2989.000	40.46	-1.09	39.37	74.00	-34.63	peak
2	4502.000	38.11	2.05	40.16	74.00	-33.84	peak
3	6321.000	38.53	6.01	44.54	74.00	-29.46	peak

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:	3m
Test item:	Harmonic		
Mode:	Mode 11		
Ant.Polar.:	Horizontal		
Description:			



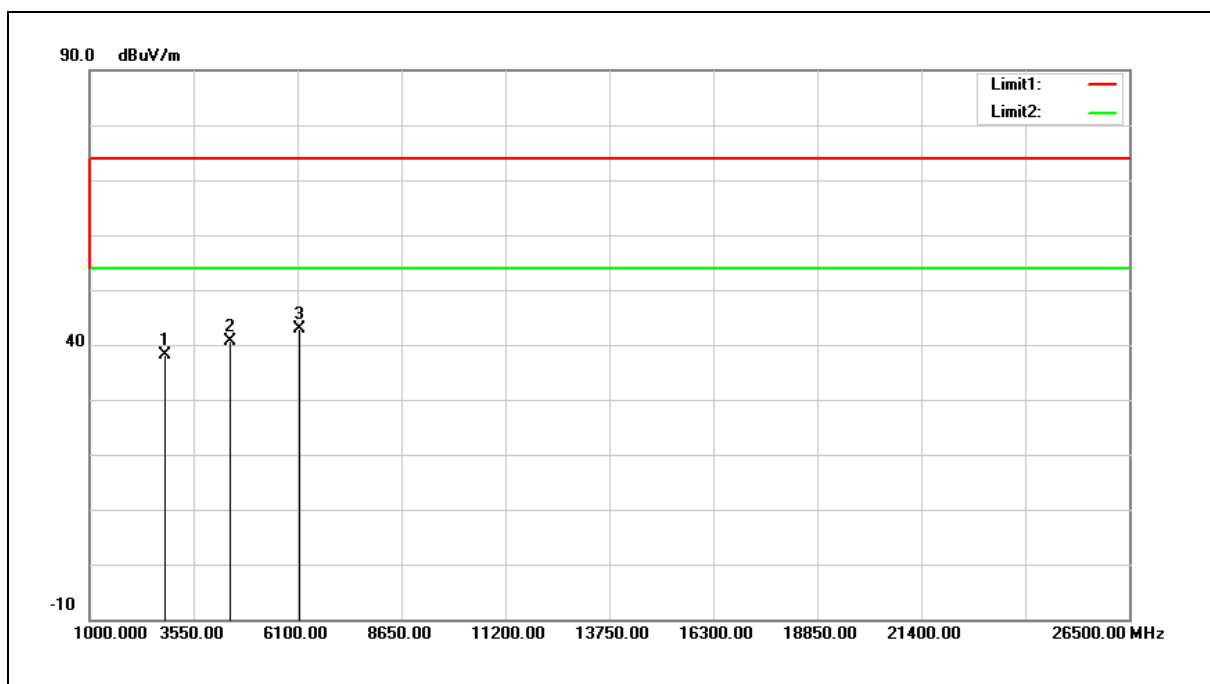
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2853.000	39.06	-1.59	37.47	74.00	-36.53	peak
2	4434.000	38.46	1.89	40.35	74.00	-33.65	peak
3	6202.000	37.12	5.63	42.75	74.00	-31.25	peak

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:	3m
Test item:	Harmonic		
Mode:	Mode 11		
Ant.Polar.:	Vertical		
Description:			



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2853.000	39.77	-1.59	38.18	74.00	-35.82	peak
2	4434.000	38.77	1.89	40.66	74.00	-33.34	peak
3	6134.000	37.39	5.40	42.79	74.00	-31.21	peak

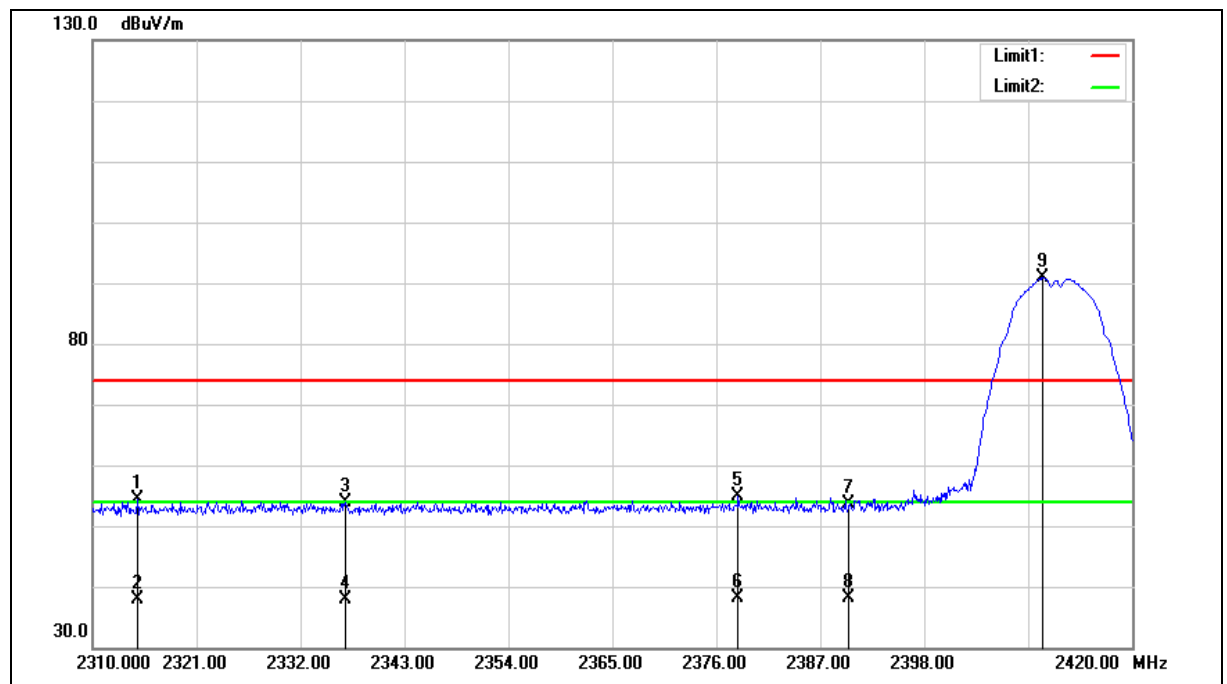
Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	3m
Test item:	Band edge		
Frequency:	2412 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



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

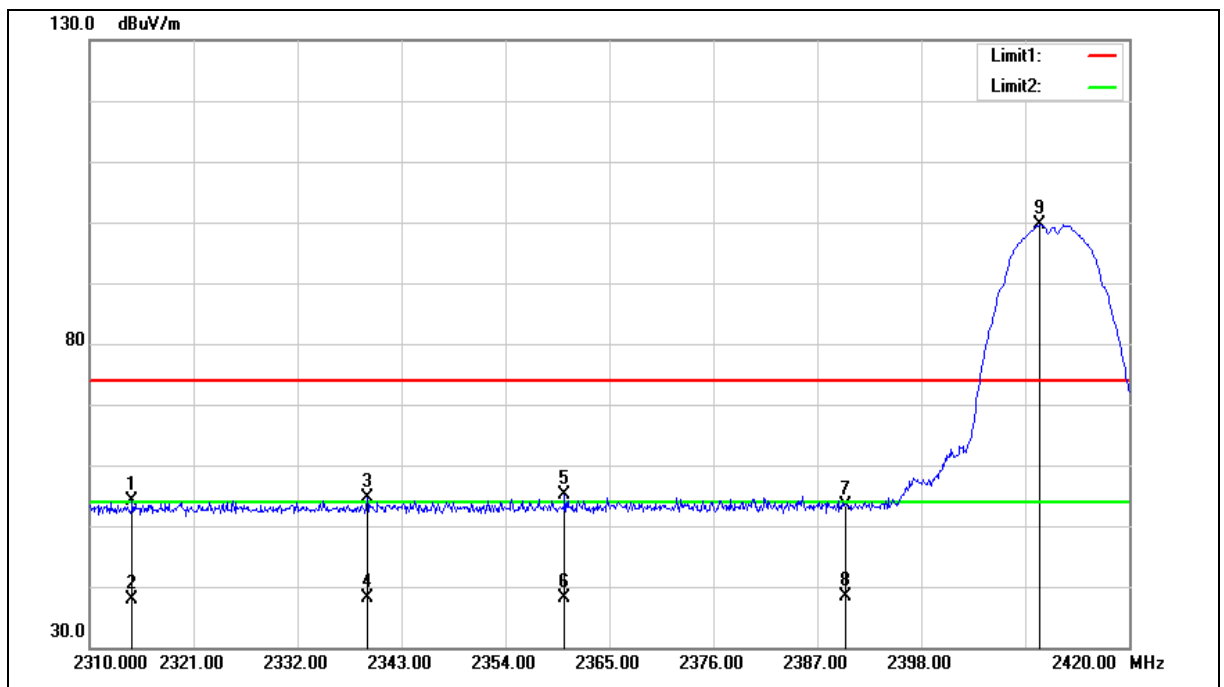
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2314.730	57.93	-3.56	54.37	74.00	-19.63	peak
2	2314.730	41.45	-3.56	37.89	54.00	-16.11	AVG
3	2336.730	57.34	-3.47	53.87	74.00	-20.13	peak
4	2336.730	41.42	-3.47	37.95	54.00	-16.05	AVG
5	2378.310	58.15	-3.33	54.82	74.00	-19.18	peak
6	2378.310	41.42	-3.33	38.09	54.00	-15.91	AVG
7	2390.000	56.89	-3.28	53.61	74.00	-20.39	peak
8	2390.000	41.44	-3.28	38.16	54.00	-15.84	AVG
9	2410.540	94.00	-3.21	90.79	--	--	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:	3m
Test item:	Band edge		
Frequency:	2412 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



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

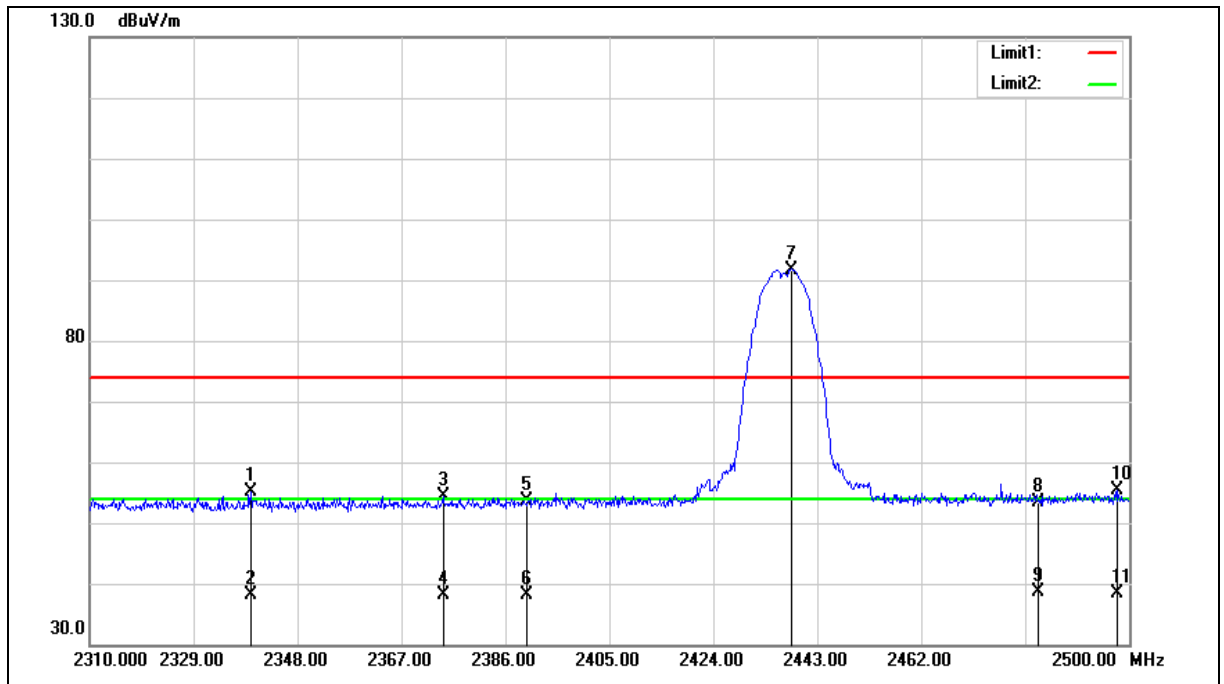
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2314.510	57.71	-3.56	54.15	74.00	-19.85	peak
2	2314.510	41.54	-3.56	37.98	54.00	-16.02	AVG
3	2339.370	58.08	-3.46	54.62	74.00	-19.38	peak
4	2339.370	41.52	-3.46	38.06	54.00	-15.94	AVG
5	2360.270	58.49	-3.39	55.10	74.00	-18.90	peak
6	2360.270	41.63	-3.39	38.24	54.00	-15.76	AVG
7	2390.000	56.56	-3.28	53.28	74.00	-20.72	peak
8	2390.000	41.67	-3.28	38.39	54.00	-15.61	AVG
9	2410.540	102.73	-3.21	99.52	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Band edge		
Frequency:	2437 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3m
Test item:	Band edge		
Frequency:	2437 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		

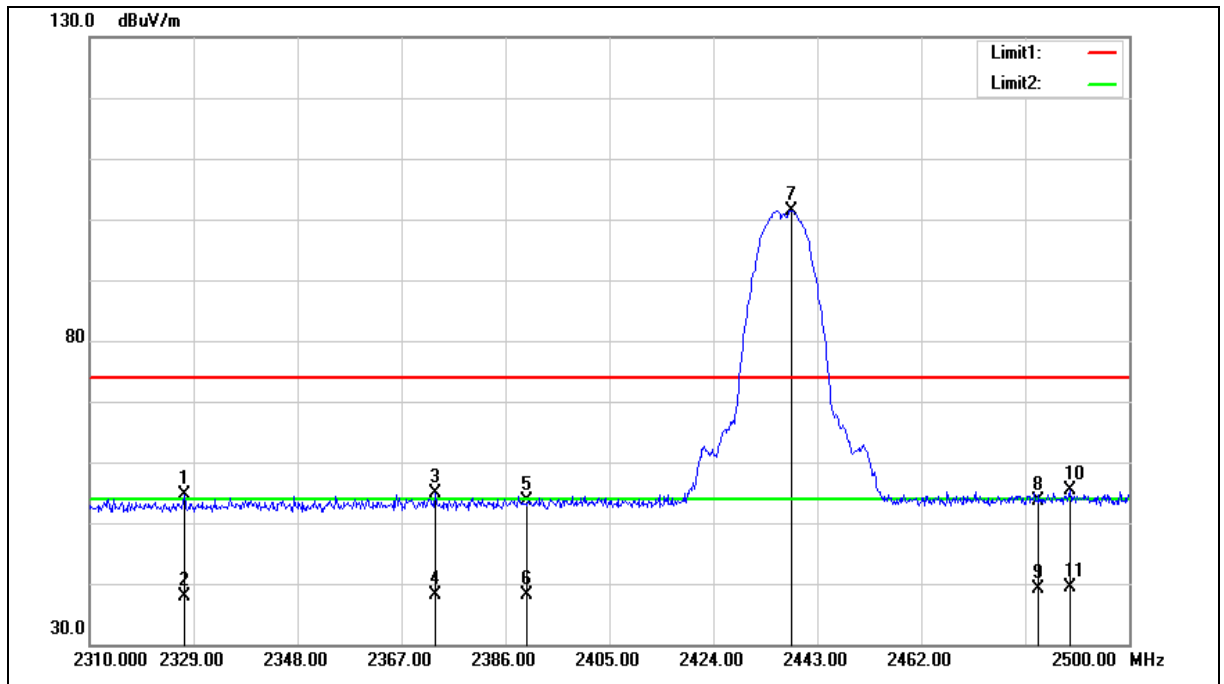
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2339.450	58.50	-3.46	55.04	74.00	-18.96	peak
2	2339.450	41.49	-3.46	38.03	54.00	-15.97	AVG
3	2374.600	57.80	-3.34	54.46	74.00	-19.54	peak
4	2374.600	41.50	-3.34	38.16	54.00	-15.84	AVG
5	2390.000	56.91	-3.28	53.63	74.00	-20.37	peak
6	2390.000	41.50	-3.28	38.22	54.00	-15.78	AVG
7	2438.250	94.86	-3.11	91.75	--	--	peak
8	2483.500	56.26	-2.93	53.33	74.00	-20.67	peak
9	2483.500	41.45	-2.93	38.52	54.00	-15.48	AVG
10	2497.910	58.25	-2.88	55.37	74.00	-18.63	peak
11	2497.910	41.34	-2.88	38.46	54.00	-15.54	AVG

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Band edge		
Frequency:	2437 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3m
Test item:	Band edge		
Frequency:	2437 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		

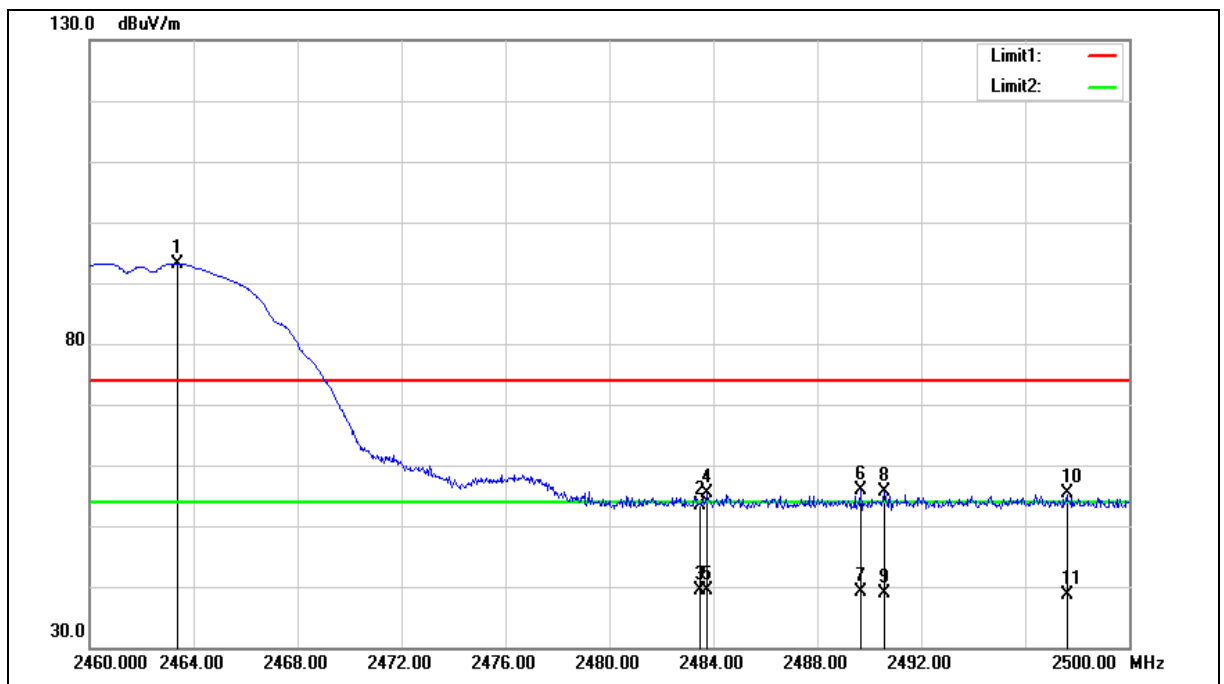
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2327.290	58.20	-3.51	54.69	74.00	-19.31	peak
2	2327.290	41.47	-3.51	37.96	54.00	-16.04	AVG
3	2373.270	58.12	-3.34	54.78	74.00	-19.22	peak
4	2373.270	41.46	-3.34	38.12	54.00	-15.88	AVG
5	2390.000	56.97	-3.28	53.69	74.00	-20.31	peak
6	2390.000	41.47	-3.28	38.19	54.00	-15.81	AVG
7	2438.250	104.57	-3.11	101.46	--	--	peak
8	2483.500	56.44	-2.93	53.51	74.00	-20.49	peak
9	2483.500	42.18	-2.93	39.25	54.00	-14.75	AVG
10	2489.170	58.22	-2.91	55.31	74.00	-18.69	peak
11	2489.170	42.22	-2.91	39.31	54.00	-14.69	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:	3m
Test item:	Band edge		
Frequency:	2462 MHz		
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



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

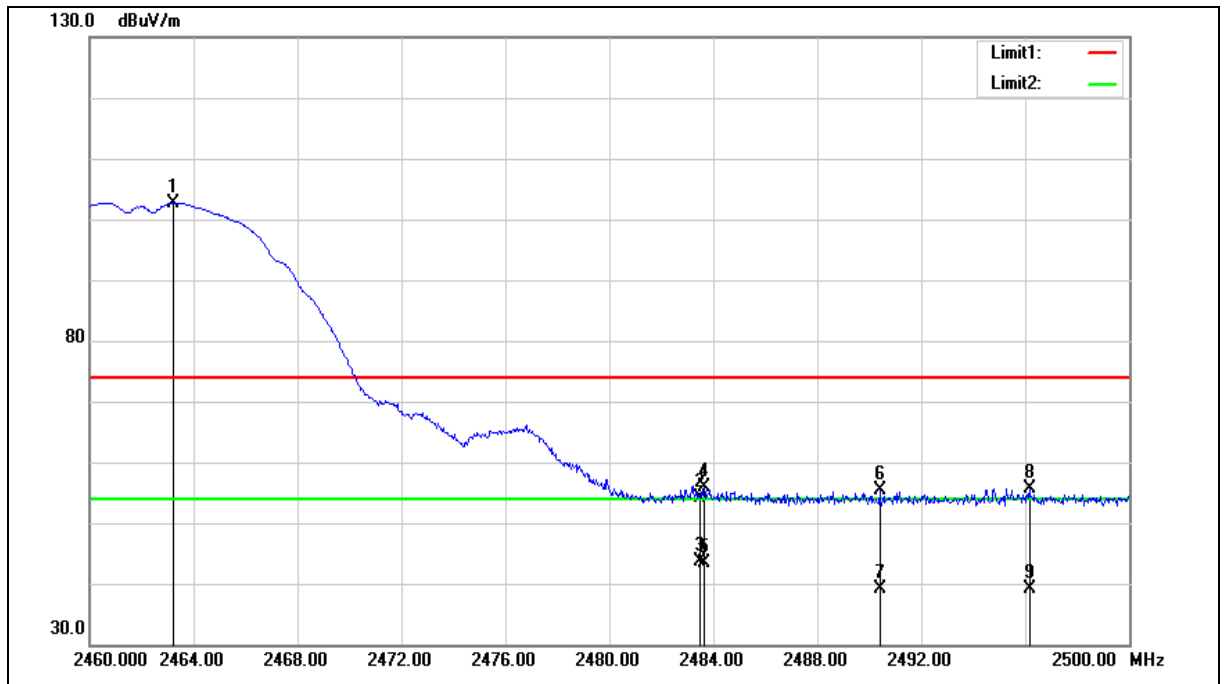
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.400	96.25	-3.01	93.24	--	--	peak
2	2483.500	56.41	-2.93	53.48	74.00	-20.52	peak
3	2483.500	42.25	-2.93	39.32	54.00	-14.68	AVG
4	2483.760	58.42	-2.93	55.49	74.00	-18.51	peak
5	2483.760	42.19	-2.93	39.26	54.00	-14.74	AVG
6	2489.680	58.68	-2.91	55.77	74.00	-18.23	peak
7	2489.680	42.01	-2.91	39.10	54.00	-14.90	AVG
8	2490.600	58.48	-2.91	55.57	74.00	-18.43	peak
9	2490.600	41.85	-2.91	38.94	54.00	-15.06	AVG
10	2497.600	58.16	-2.88	55.28	74.00	-18.72	peak
11	2497.600	41.45	-2.88	38.57	54.00	-15.43	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:	3m
Test item:	Band edge		
Frequency:	2462 MHz		
Mode:	Mode 2		
Ant.Polar.:	Vertical		



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

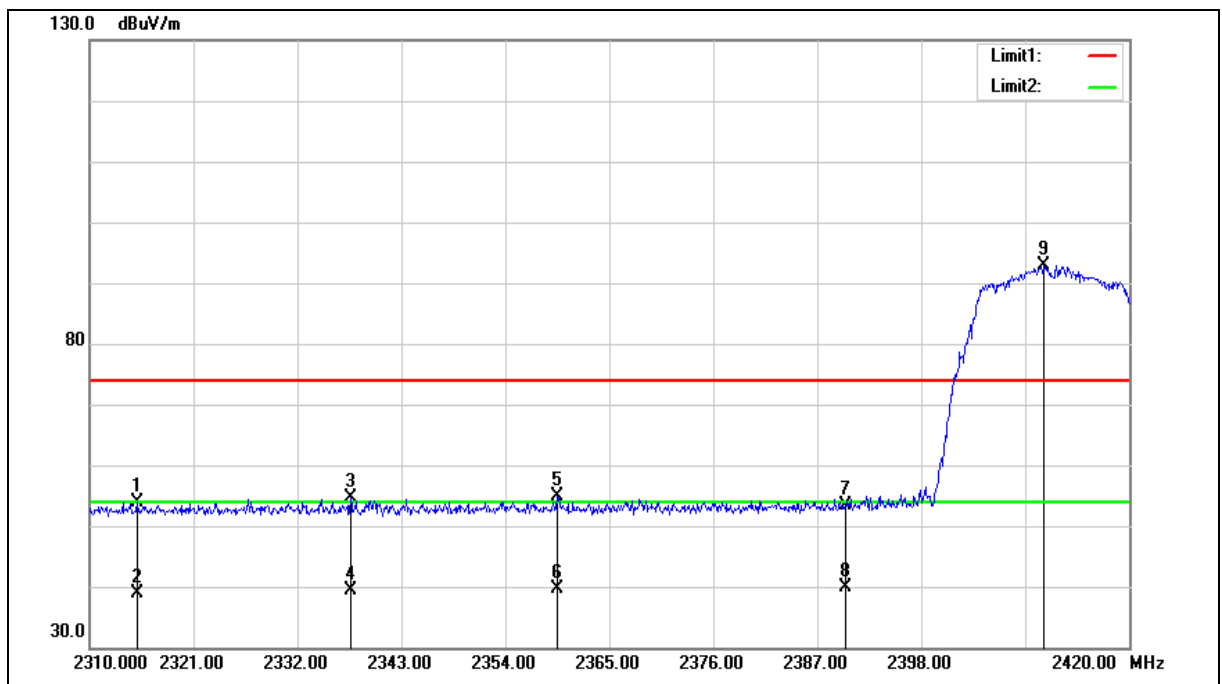
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.240	105.68	-3.01	102.67	--	--	peak
2	2483.500	57.10	-2.93	54.17	74.00	-19.83	peak
3	2483.500	46.49	-2.93	43.56	54.00	-10.44	AVG
4	2483.640	58.69	-2.93	55.76	74.00	-18.24	peak
5	2483.640	46.22	-2.93	43.29	54.00	-10.71	AVG
6	2490.400	58.36	-2.91	55.45	74.00	-18.55	peak
7	2490.400	42.12	-2.91	39.21	54.00	-14.79	AVG
8	2496.160	58.44	-2.88	55.56	74.00	-18.44	peak
9	2496.160	41.96	-2.88	39.08	54.00	-14.92	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:	3m
Test item:	Band edge		
Frequency:	2412 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



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

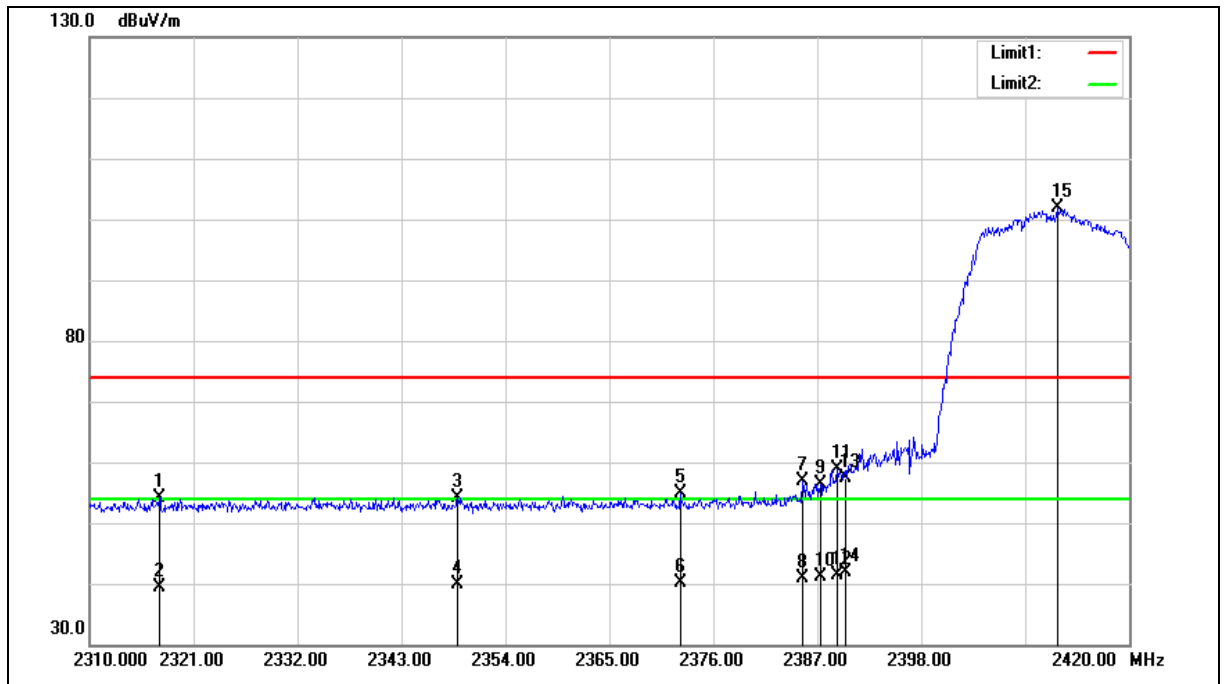
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2315.060	57.53	-3.55	53.98	74.00	-20.02	peak
2	2315.060	42.49	-3.55	38.94	54.00	-15.06	AVG
3	2337.610	58.08	-3.47	54.61	74.00	-19.39	peak
4	2337.610	42.76	-3.47	39.29	54.00	-14.71	AVG
5	2359.500	58.33	-3.39	54.94	74.00	-19.06	peak
6	2359.500	43.01	-3.39	39.62	54.00	-14.38	AVG
7	2390.000	56.70	-3.28	53.42	74.00	-20.58	peak
8	2390.000	43.25	-3.28	39.97	54.00	-14.03	AVG
9	2410.980	96.16	-3.21	92.95	--	--	peak

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

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

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

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



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

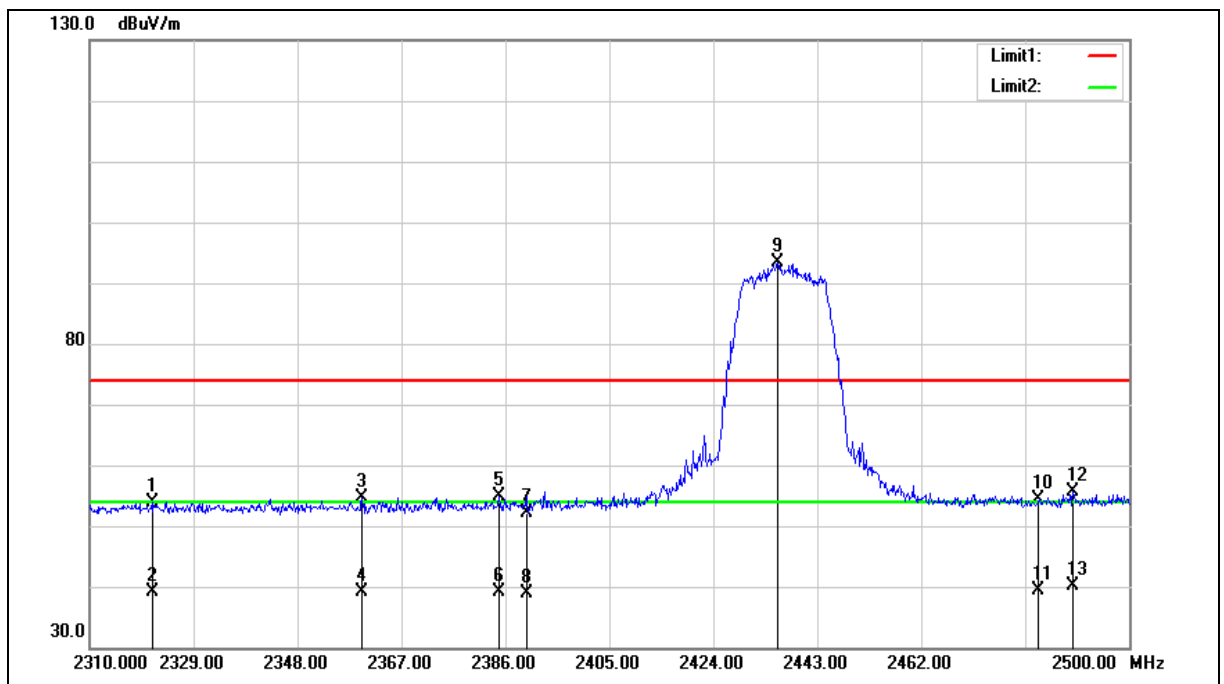
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2317.370	57.70	-3.55	54.15	74.00	-19.85	peak
2	2317.370	42.94	-3.55	39.39	54.00	-14.61	AVG
3	2348.940	57.61	-3.42	54.19	74.00	-19.81	peak
4	2348.940	43.27	-3.42	39.85	54.00	-14.15	AVG
5	2372.480	58.11	-3.34	54.77	74.00	-19.23	peak
6	2372.480	43.36	-3.34	40.02	54.00	-13.98	AVG
7	2385.460	60.25	-3.29	56.96	74.00	-17.04	peak
8	2385.460	44.15	-3.29	40.86	54.00	-13.14	AVG
9	2387.330	59.63	-3.29	56.34	74.00	-17.66	peak
10	2387.330	44.37	-3.29	41.08	54.00	-12.92	AVG
11	2389.090	62.22	-3.28	58.94	74.00	-15.06	peak
12	2389.090	44.62	-3.28	41.34	54.00	-12.66	AVG
13	2390.000	60.77	-3.28	57.49	74.00	-16.51	peak
14	2390.000	45.11	-3.28	41.83	54.00	-12.17	AVG
15	2412.410	104.99	-3.19	101.80	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Band edge		
Frequency:	2437 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3m
Test item:	Band edge		
Frequency:	2437 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

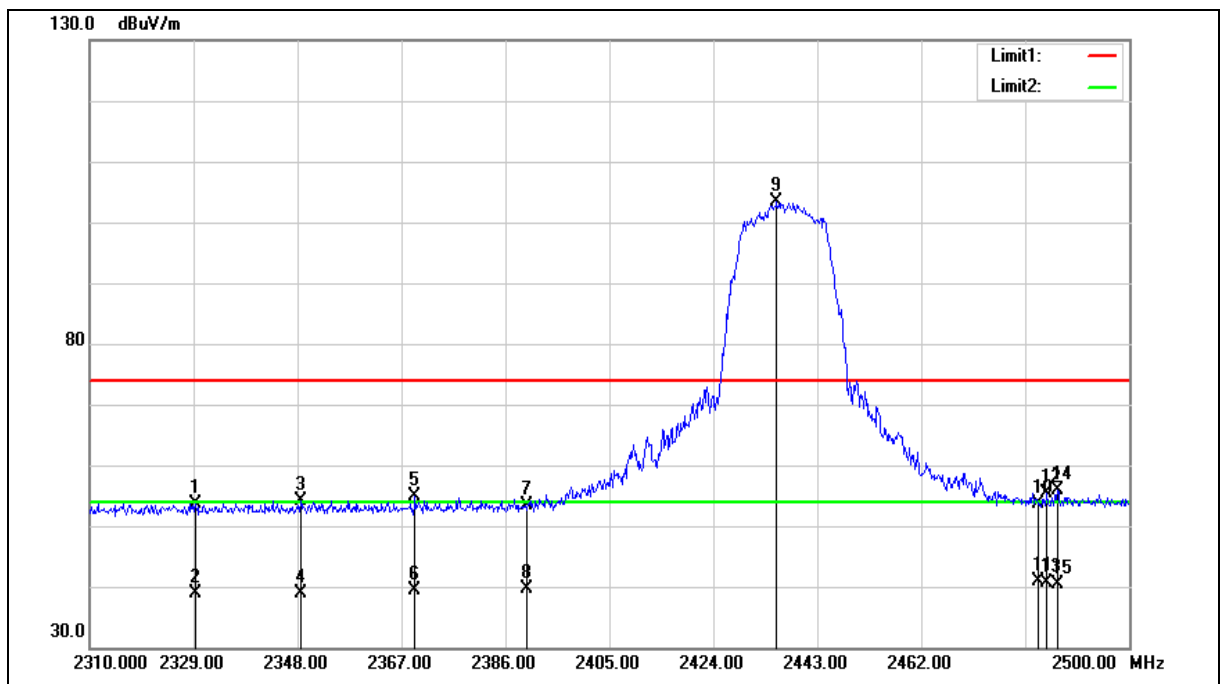
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2321.400	57.34	-3.53	53.81	74.00	-20.19	peak
2	2321.400	42.62	-3.53	39.09	54.00	-14.91	AVG
3	2359.780	57.94	-3.39	54.55	74.00	-19.45	peak
4	2359.780	42.57	-3.39	39.18	54.00	-14.82	AVG
5	2384.860	58.23	-3.31	54.92	74.00	-19.08	peak
6	2384.860	42.43	-3.31	39.12	54.00	-14.88	AVG
7	2390.000	55.51	-3.28	52.23	74.00	-21.77	peak
8	2390.000	42.25	-3.28	38.97	54.00	-15.03	AVG
9	2435.780	96.39	-3.11	93.28	--	--	peak
10	2483.500	57.21	-2.93	54.28	74.00	-19.72	peak
11	2483.500	42.23	-2.93	39.30	54.00	-14.70	AVG
12	2489.740	58.50	-2.91	55.59	74.00	-18.41	peak
13	2489.740	43.08	-2.91	40.17	54.00	-13.83	AVG

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Band edge		
Frequency:	2437 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3m
Test item:	Band edge		
Frequency:	2437 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		

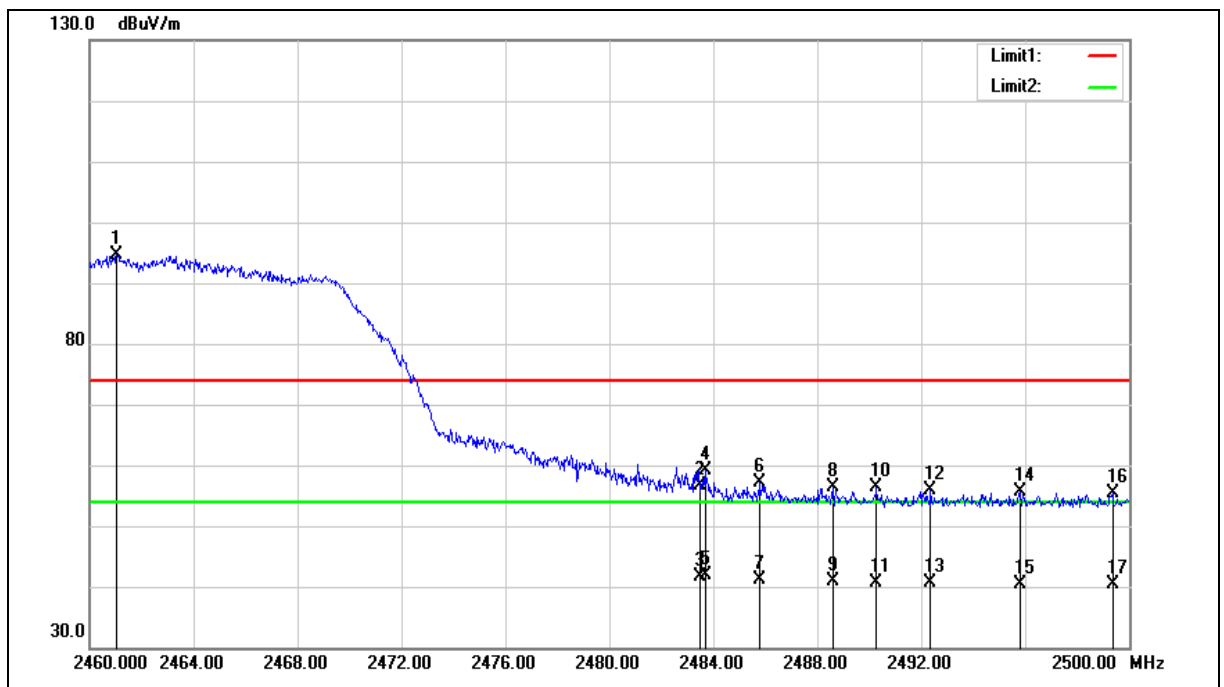
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2329.380	57.20	-3.50	53.70	74.00	-20.30	peak
2	2329.380	42.31	-3.50	38.81	54.00	-15.19	AVG
3	2348.570	57.50	-3.42	54.08	74.00	-19.92	peak
4	2348.570	42.41	-3.42	38.99	54.00	-15.01	AVG
5	2369.470	58.22	-3.36	54.86	74.00	-19.14	peak
6	2369.470	42.71	-3.36	39.35	54.00	-14.65	AVG
7	2390.000	56.57	-3.28	53.29	74.00	-20.71	peak
8	2390.000	42.95	-3.28	39.67	54.00	-14.33	AVG
9	2435.590	106.45	-3.11	103.34	--	--	peak
10	2483.500	56.49	-2.93	53.56	74.00	-20.44	peak
11	2483.500	43.74	-2.93	40.81	54.00	-13.19	AVG
12	2484.990	58.23	-2.93	55.30	74.00	-18.70	peak
13	2484.990	43.56	-2.93	40.63	54.00	-13.37	AVG
14	2486.890	58.79	-2.92	55.87	74.00	-18.13	peak
15	2486.890	43.40	-2.92	40.48	54.00	-13.52	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:	3m
Test item:	Band edge		
Frequency:	2462 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



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

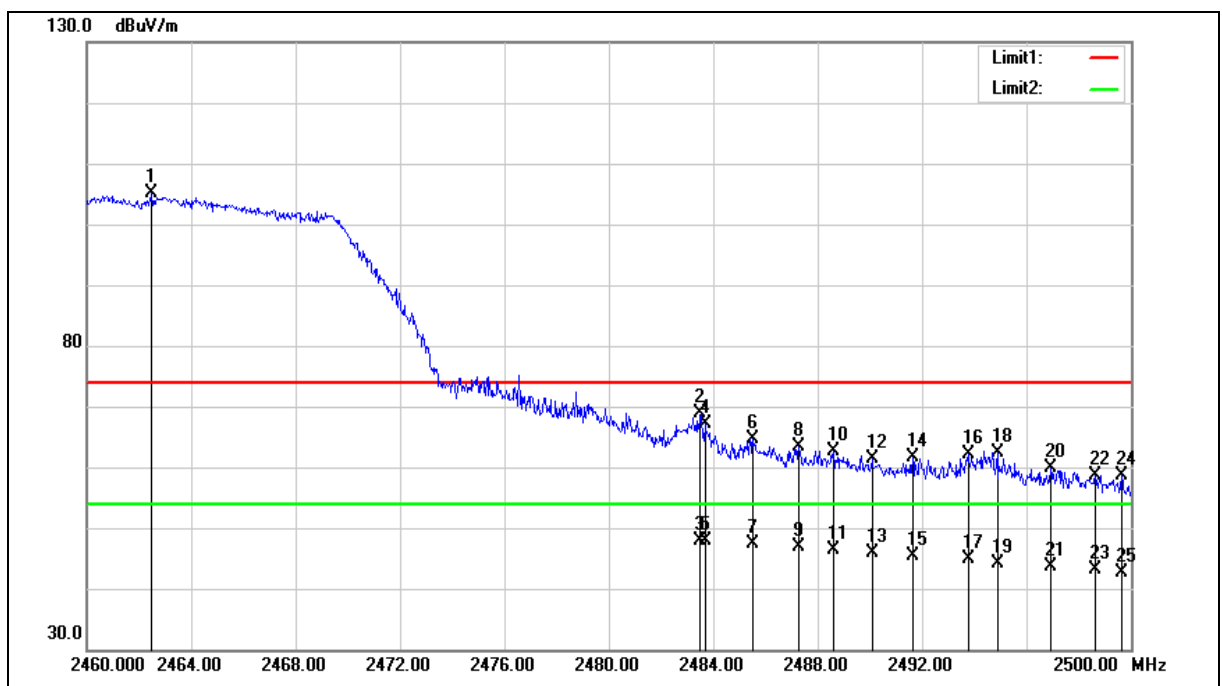
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2461.040	97.70	-3.02	94.68	--	--	peak
2	2483.500	59.45	-2.93	56.52	74.00	-17.48	peak
3	2483.500	44.67	-2.93	41.74	54.00	-12.26	AVG
4	2483.680	61.99	-2.93	59.06	74.00	-14.94	peak
5	2483.680	44.73	-2.93	41.80	54.00	-12.20	AVG
6	2485.800	60.11	-2.92	57.19	74.00	-16.81	peak
7	2485.800	44.17	-2.92	41.25	54.00	-12.75	AVG
8	2488.600	59.37	-2.91	56.46	74.00	-17.54	peak
9	2488.600	43.85	-2.91	40.94	54.00	-13.06	AVG
10	2490.280	59.20	-2.91	56.29	74.00	-17.71	peak
11	2490.280	43.59	-2.91	40.68	54.00	-13.32	AVG
12	2492.360	58.87	-2.90	55.97	74.00	-18.03	peak
13	2492.360	43.50	-2.90	40.60	54.00	-13.40	AVG
14	2495.800	58.44	-2.88	55.56	74.00	-18.44	peak
15	2495.800	43.37	-2.88	40.49	54.00	-13.51	AVG
16	2499.360	58.14	-2.87	55.27	74.00	-18.73	peak
17	2499.360	43.22	-2.87	40.35	54.00	-13.65	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:	3m
Test item:	Band edge		
Frequency:	2462 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	2462.480	108.10	-3.01	105.09	--	--	peak
2	2483.500	71.85	-2.93	68.92	74.00	-5.08	peak
3	2483.500	50.85	-2.93	47.92	54.00	-6.08	AVG
4	2483.680	69.95	-2.93	67.02	74.00	-6.98	peak
5	2483.680	50.89	-2.93	47.96	54.00	-6.04	AVG
6	2485.520	67.65	-2.92	64.73	74.00	-9.27	peak
7	2485.520	50.21	-2.92	47.29	54.00	-6.71	AVG
8	2487.280	66.29	-2.92	63.37	74.00	-10.63	peak
9	2487.280	49.75	-2.92	46.83	54.00	-7.17	AVG

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

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

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

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

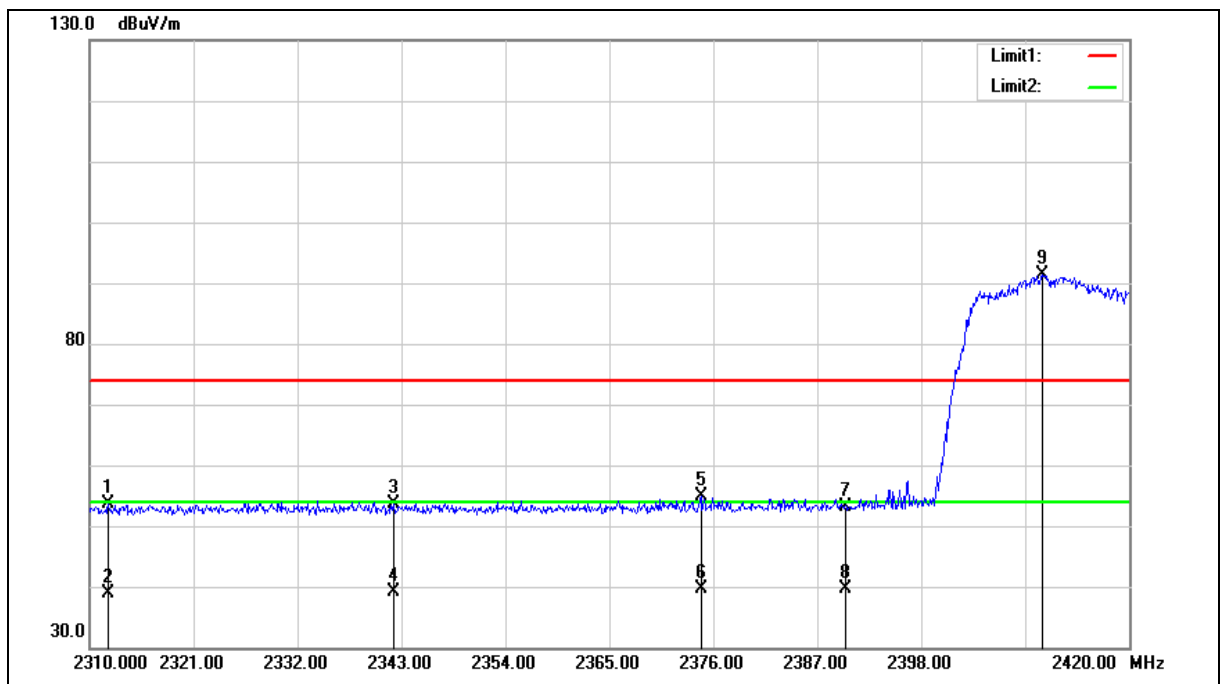
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10	2488.600	65.47	-2.91	62.56	74.00	-11.44	peak
11	2488.600	49.23	-2.91	46.32	54.00	-7.68	AVG
12	2490.080	64.22	-2.91	61.31	74.00	-12.69	peak
13	2490.080	48.70	-2.91	45.79	54.00	-8.21	AVG
14	2491.640	64.52	-2.91	61.61	74.00	-12.39	peak
15	2491.640	48.28	-2.91	45.37	54.00	-8.63	AVG
16	2493.760	64.99	-2.89	62.10	74.00	-11.90	peak
17	2493.760	47.75	-2.89	44.86	54.00	-9.14	AVG
18	2494.880	65.17	-2.89	62.28	74.00	-11.72	peak
19	2494.880	47.14	-2.89	44.25	54.00	-9.75	AVG
20	2496.920	62.76	-2.88	59.88	74.00	-14.12	peak
21	2496.920	46.61	-2.88	43.73	54.00	-10.27	AVG
22	2498.640	61.60	-2.87	58.73	74.00	-15.27	peak
23	2498.640	45.95	-2.87	43.08	54.00	-10.92	AVG
24	2499.640	61.42	-2.87	58.55	74.00	-15.45	peak
25	2499.640	45.58	-2.87	42.71	54.00	-11.29	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:	3m
Test item:	Band edge		
Frequency:	2412 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



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

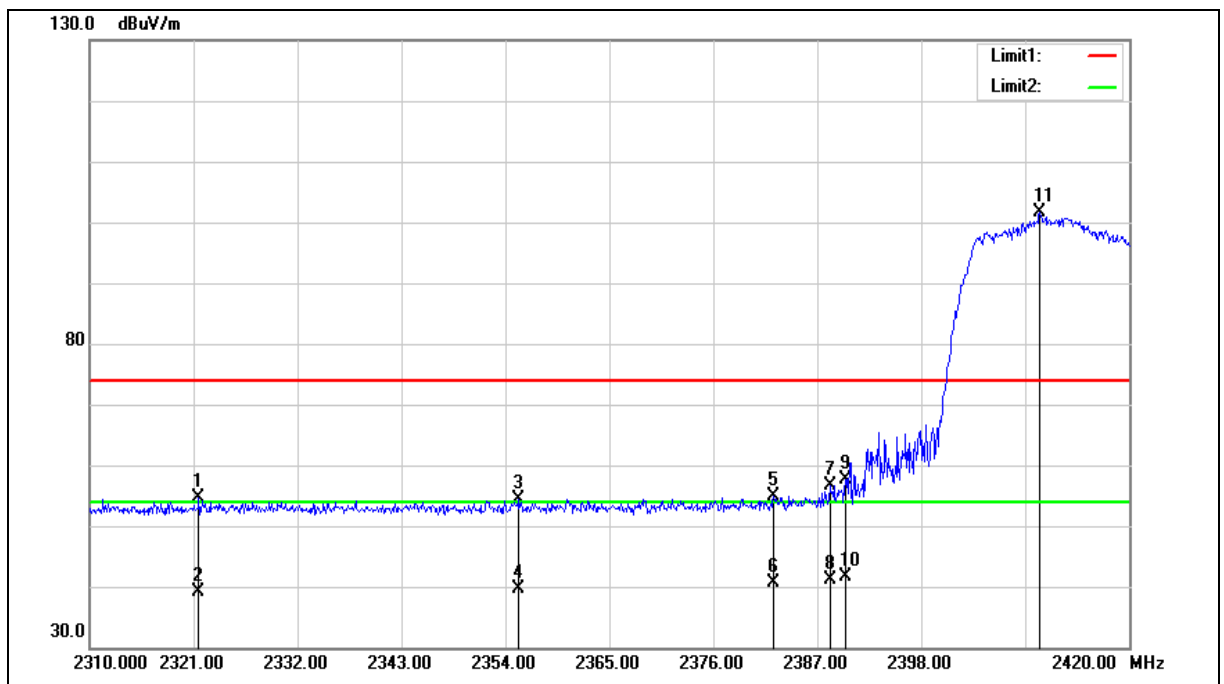
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2311.980	57.11	-3.56	53.55	74.00	-20.45	peak
2	2311.980	42.49	-3.56	38.93	54.00	-15.07	AVG
3	2342.120	57.19	-3.45	53.74	74.00	-20.26	peak
4	2342.120	42.61	-3.45	39.16	54.00	-14.84	AVG
5	2374.680	58.20	-3.34	54.86	74.00	-19.14	peak
6	2374.680	42.92	-3.34	39.58	54.00	-14.42	AVG
7	2390.000	56.30	-3.28	53.02	74.00	-20.98	peak
8	2390.000	42.82	-3.28	39.54	54.00	-14.46	AVG
9	2410.760	94.57	-3.21	91.36	--	--	peak

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

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

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

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



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

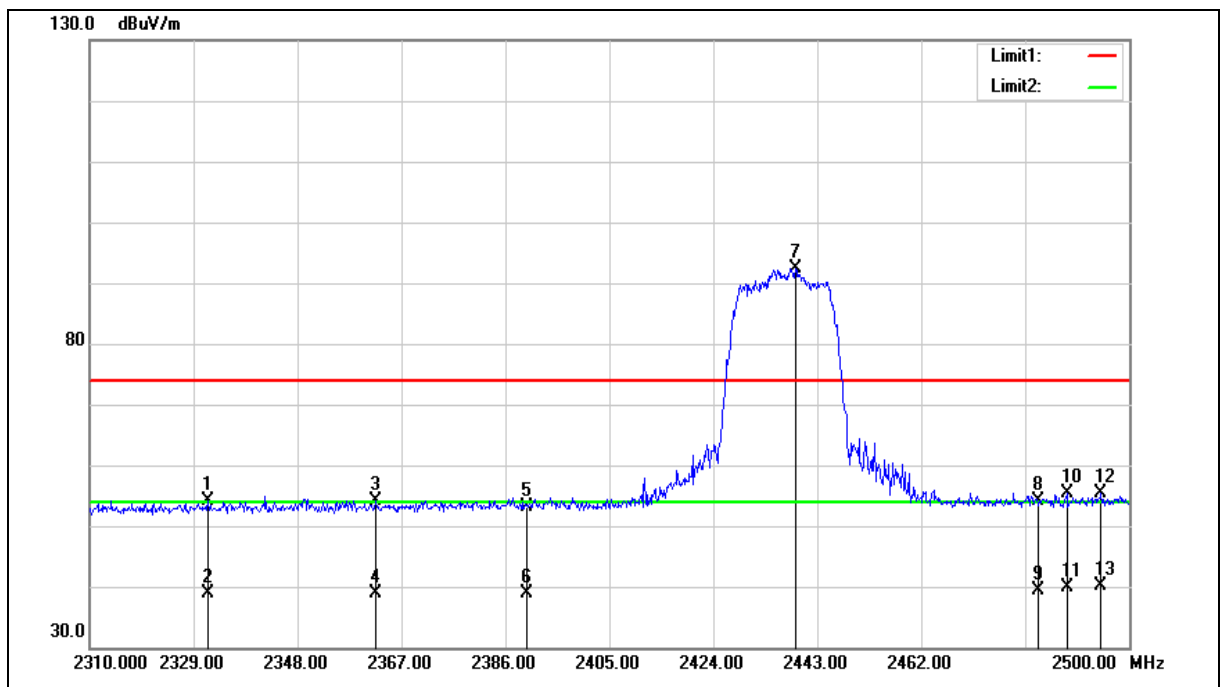
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2321.550	58.25	-3.53	54.72	74.00	-19.28	peak
2	2321.550	42.71	-3.53	39.18	54.00	-14.82	AVG
3	2355.430	57.83	-3.40	54.43	74.00	-19.57	peak
4	2355.430	43.00	-3.40	39.60	54.00	-14.40	AVG
5	2382.380	58.28	-3.31	54.97	74.00	-19.03	peak
6	2382.380	43.85	-3.31	40.54	54.00	-13.46	AVG
7	2388.320	59.85	-3.29	56.56	74.00	-17.44	peak
8	2388.320	44.52	-3.29	41.23	54.00	-12.77	AVG
9	2390.000	60.80	-3.28	57.52	74.00	-16.48	peak
10	2390.000	44.80	-3.28	41.52	54.00	-12.48	AVG
11	2410.540	104.82	-3.21	101.61	--	--	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:	3m
Test item:	Band edge		
Frequency:	2437 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3m
Test item:	Band edge		
Frequency:	2437 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

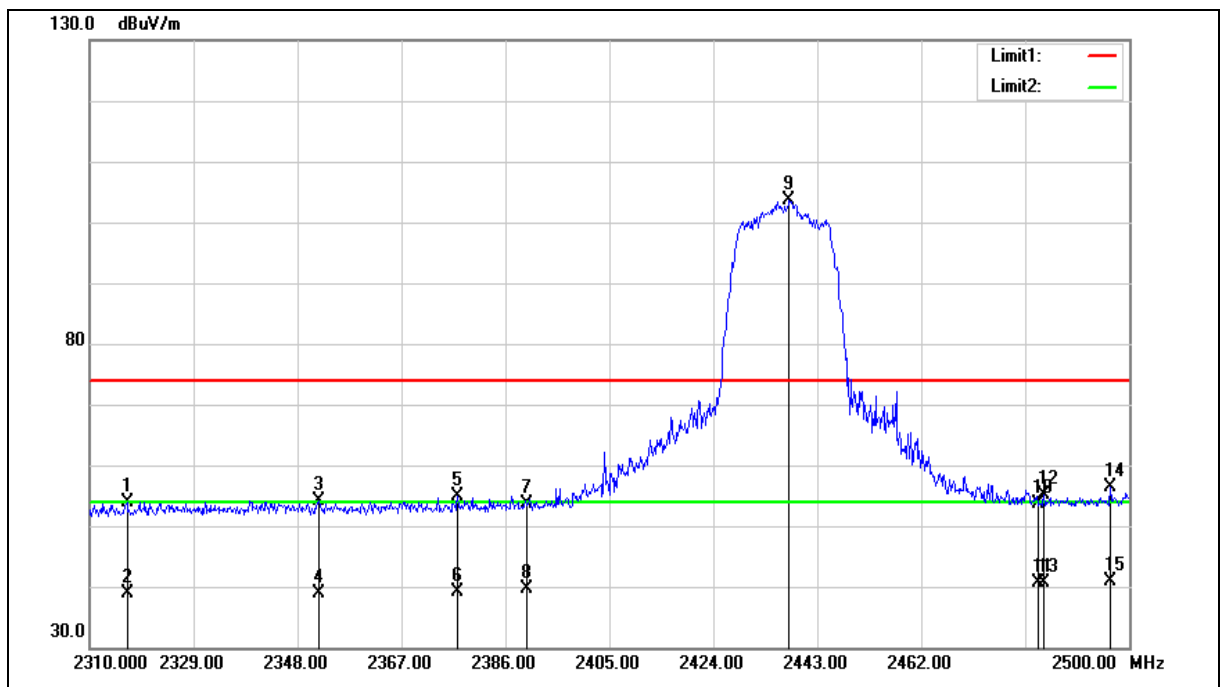
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2331.660	57.67	-3.49	54.18	74.00	-19.82	peak
2	2331.660	42.46	-3.49	38.97	54.00	-15.03	AVG
3	2362.250	57.47	-3.38	54.09	74.00	-19.91	peak
4	2362.250	42.14	-3.38	38.76	54.00	-15.24	AVG
5	2390.000	56.39	-3.28	53.11	74.00	-20.89	peak
6	2390.000	42.17	-3.28	38.89	54.00	-15.11	AVG
7	2439.010	95.38	-3.10	92.28	--	--	peak
8	2483.500	57.12	-2.93	54.19	74.00	-19.81	peak
9	2483.500	42.39	-2.93	39.46	54.00	-14.54	AVG
10	2488.600	58.21	-2.91	55.30	74.00	-18.70	peak
11	2488.600	42.80	-2.91	39.89	54.00	-14.11	AVG
12	2494.870	58.24	-2.89	55.35	74.00	-18.65	peak
13	2494.870	43.05	-2.89	40.16	54.00	-13.84	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:	3m
Test item:	Band edge		
Frequency:	2437 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3m
Test item:	Band edge		
Frequency:	2437 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		

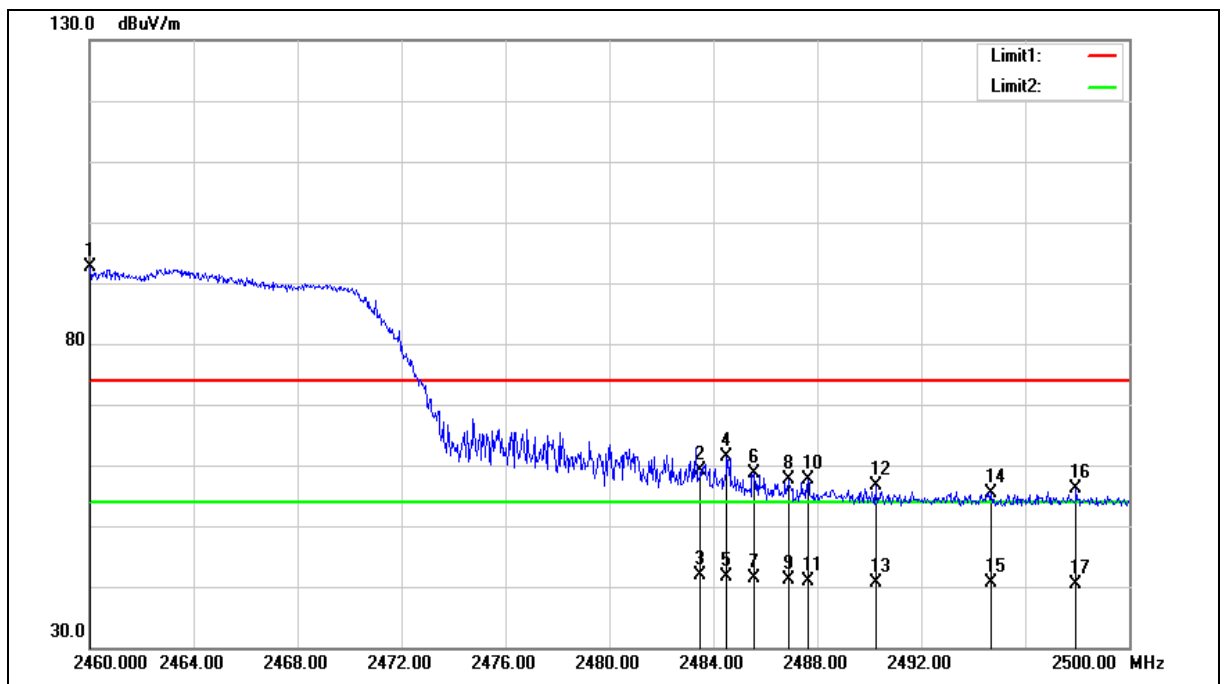
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2316.840	57.49	-3.55	53.94	74.00	-20.06	peak
2	2316.840	42.33	-3.55	38.78	54.00	-15.22	AVG
3	2351.990	57.42	-3.41	54.01	74.00	-19.99	peak
4	2351.990	42.38	-3.41	38.97	54.00	-15.03	AVG
5	2377.260	58.09	-3.33	54.76	74.00	-19.24	peak
6	2377.260	42.57	-3.33	39.24	54.00	-14.76	AVG
7	2390.000	57.02	-3.28	53.74	74.00	-20.26	peak
8	2390.000	42.93	-3.28	39.65	54.00	-14.35	AVG
9	2437.870	106.72	-3.11	103.61	--	--	peak
10	2483.500	56.46	-2.93	53.53	74.00	-20.47	peak
11	2483.500	43.53	-2.93	40.60	54.00	-13.40	AVG
12	2484.420	58.11	-2.93	55.18	74.00	-18.82	peak
13	2484.420	43.60	-2.93	40.67	54.00	-13.33	AVG
14	2496.580	59.23	-2.88	56.35	74.00	-17.65	peak
15	2496.580	43.66	-2.88	40.78	54.00	-13.22	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:	3m
Test item:	Band edge		
Frequency:	2462 MHz		
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



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

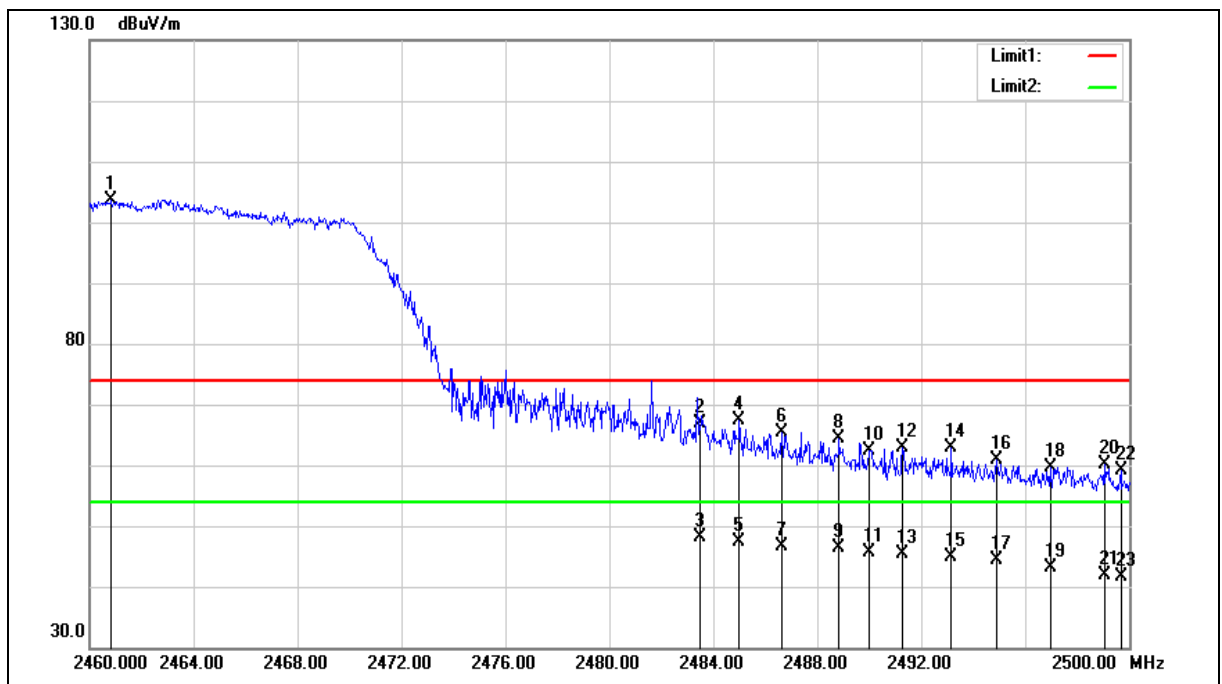
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2460.000	95.66	-3.02	92.64	--	--	peak
2	2483.500	62.05	-2.93	59.12	74.00	-14.88	peak
3	2483.500	44.69	-2.93	41.76	54.00	-12.24	AVG
4	2484.520	64.28	-2.93	61.35	74.00	-12.65	peak
5	2484.520	44.45	-2.93	41.52	54.00	-12.48	AVG
6	2485.560	61.46	-2.92	58.54	74.00	-15.46	peak
7	2485.560	44.32	-2.92	41.40	54.00	-12.60	AVG
8	2486.880	60.46	-2.92	57.54	74.00	-16.46	peak
9	2486.880	44.04	-2.92	41.12	54.00	-12.88	AVG
10	2487.640	60.43	-2.92	57.51	74.00	-16.49	peak
11	2487.640	43.90	-2.92	40.98	54.00	-13.02	AVG
12	2490.240	59.55	-2.91	56.64	74.00	-17.36	peak
13	2490.240	43.66	-2.91	40.75	54.00	-13.25	AVG
14	2494.680	58.37	-2.89	55.48	74.00	-18.52	peak
15	2494.680	43.45	-2.89	40.56	54.00	-13.44	AVG
16	2497.960	59.07	-2.88	56.19	74.00	-17.81	peak
17	2497.960	43.22	-2.88	40.34	54.00	-13.66	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:	3m
Test item:	Band edge		
Frequency:	2462 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3m
Test item:	Band edge		
Frequency:	2462 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	2460.840	106.66	-3.02	103.64	--	--	peak
2	2483.500	69.87	-2.93	66.94	74.00	-7.06	peak
3	2483.500	51.14	-2.93	48.21	54.00	-5.79	AVG
4	2485.000	70.19	-2.93	67.26	74.00	-6.74	peak
5	2485.000	50.40	-2.93	47.47	54.00	-6.53	AVG
6	2486.640	68.40	-2.92	65.48	74.00	-8.52	peak
7	2486.640	49.62	-2.92	46.70	54.00	-7.30	AVG
8	2488.840	67.36	-2.91	64.45	74.00	-9.55	peak
9	2488.840	49.17	-2.91	46.26	54.00	-7.74	AVG
10	2490.000	65.36	-2.91	62.45	74.00	-11.55	peak
11	2490.000	48.44	-2.91	45.53	54.00	-8.47	AVG
12	2491.280	65.67	-2.91	62.76	74.00	-11.24	peak
13	2491.280	48.18	-2.91	45.27	54.00	-8.73	AVG
14	2493.160	65.84	-2.90	62.94	74.00	-11.06	peak
15	2493.160	47.66	-2.90	44.76	54.00	-9.24	AVG
16	2494.920	63.69	-2.89	60.80	74.00	-13.20	peak
17	2494.920	47.32	-2.89	44.43	54.00	-9.57	AVG
18	2496.960	62.53	-2.88	59.65	74.00	-14.35	peak
19	2496.960	45.90	-2.88	43.02	54.00	-10.98	AVG
20	2499.040	62.99	-2.87	60.12	74.00	-13.88	peak
21	2499.040	44.67	-2.87	41.80	54.00	-12.20	AVG
22	2499.680	61.93	-2.87	59.06	74.00	-14.94	peak
23	2499.680	44.43	-2.87	41.56	54.00	-12.44	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 (2.4 GHz)

Maximum Conducted Output Power

操作模式	Data Rate (Mbps)	頻道 CH	輸出功率(Average)		輸出功率(Peak)		Limit (dBm)
			dBm	W	dBm	W	
Mode 2	1	01	8.67	0.007	11.92	0.016	≤ 30.00
		06	9.20	0.008	12.36	0.017	≤ 30.00
		11	9.15	0.008	12.26	0.017	≤ 30.00
Mode 3	6	01	7.97	0.006	18.09	0.064	≤ 30.00
		06	8.63	0.007	18.76	0.075	≤ 30.00
		11	8.60	0.007	18.59	0.072	≤ 30.00
Mode 4	6.5	01	7.59	0.006	17.56	0.057	≤ 30.00
		06	8.21	0.007	18.01	0.063	≤ 30.00
		11	8.39	0.007	18.28	0.067	≤ 30.00

Out of Band Conducted Spurious Emission

Mode 2: IEEE 802.11b Continuous TX Mode

CH01



CH06



CH11



Mode 3: IEEE 802.11g Continuous TX Mode

CH01



CH06



CH11



Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode

CH01



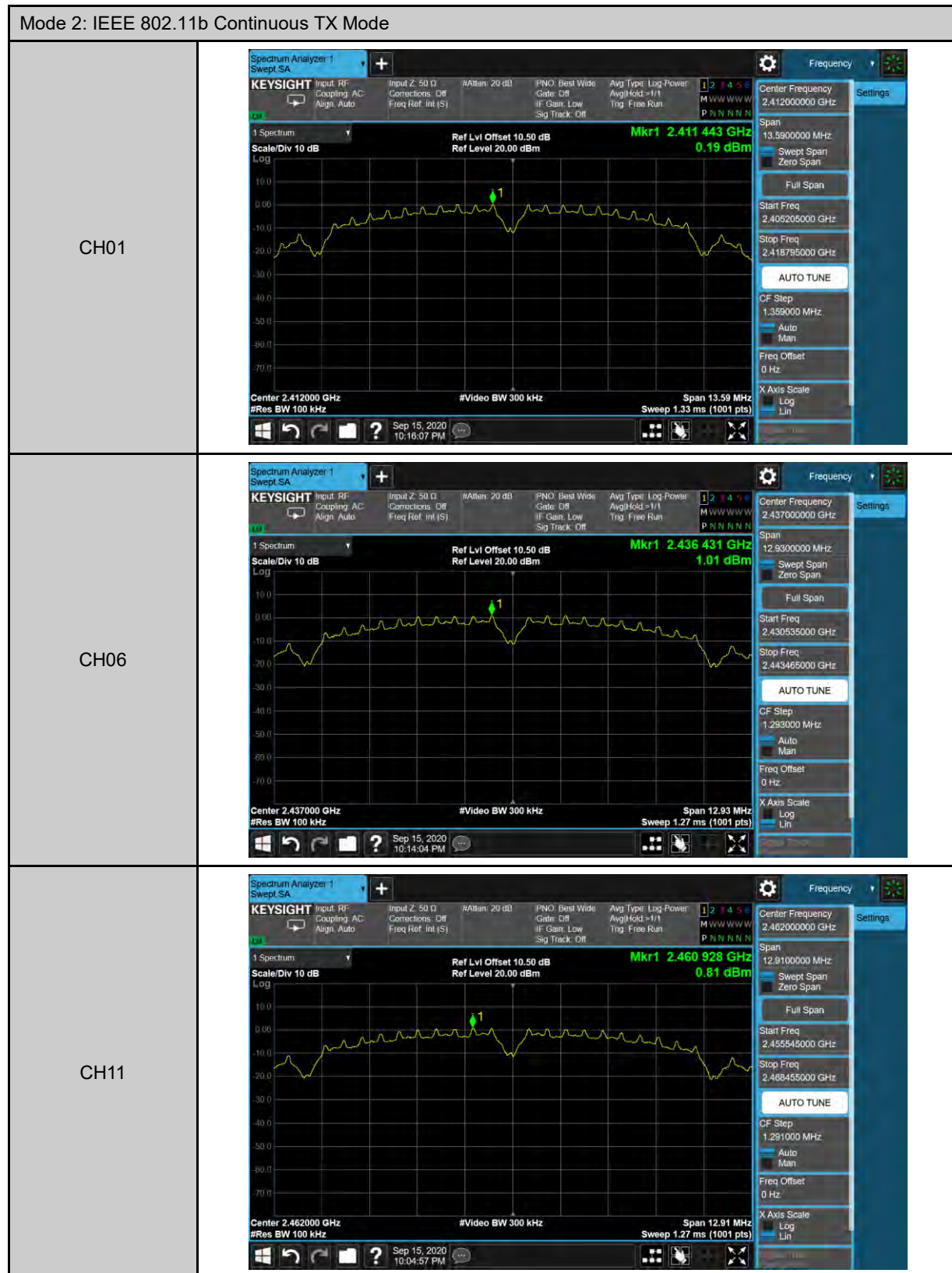
CH06



CH11



Reference level



Mode 3: IEEE 802.11g Continuous TX Mode

CH01



CH06



CH11



Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode

CH01



CH06



CH11



Conducted Band Edge

Mode 2: IEEE 802.11b Continuous TX Mode

CH01



CH11



Mode 3: IEEE 802.11g Continuous TX Mode

CH01



CH11



Mode4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode

CH01



CH11



6 dB Bandwidth

操作模式	頻道	量測值 (kHz)	限制值 (kHz)
Mode 2	CH01	9057	≥ 500
	CH06	8618	≥ 500
	CH11	8604	≥ 500
Mode 3	CH01	16100	≥ 500
	CH06	16120	≥ 500
	CH11	16340	≥ 500
Mode 4	CH01	17300	≥ 500
	CH06	17190	≥ 500
	CH11	16890	≥ 500

Mode 2: IEEE 802.11b Continuous TX Mode

CH01



CH06



CH11



Mode 3: IEEE 802.11g Continuous TX Mode

CH01



CH06



CH11





Maximum Power Spectral Density

操作模式	頻道	量測值(dBm/3 kHz)	限制值 (dBm/3 kHz)
Mode 2	CH01	-13.710	≤ 8.00
	CH06	-12.780	≤ 8.00
	CH11	-12.880	≤ 8.00
Mode 3	CH01	-15.720	≤ 8.00
	CH06	-15.580	≤ 8.00
	CH11	-14.580	≤ 8.00
Mode 4	CH01	-15.760	≤ 8.00
	CH06	-15.020	≤ 8.00
	CH11	-14.440	≤ 8.00

Mode 2: IEEE 802.11b Continuous TX Mode

CH01

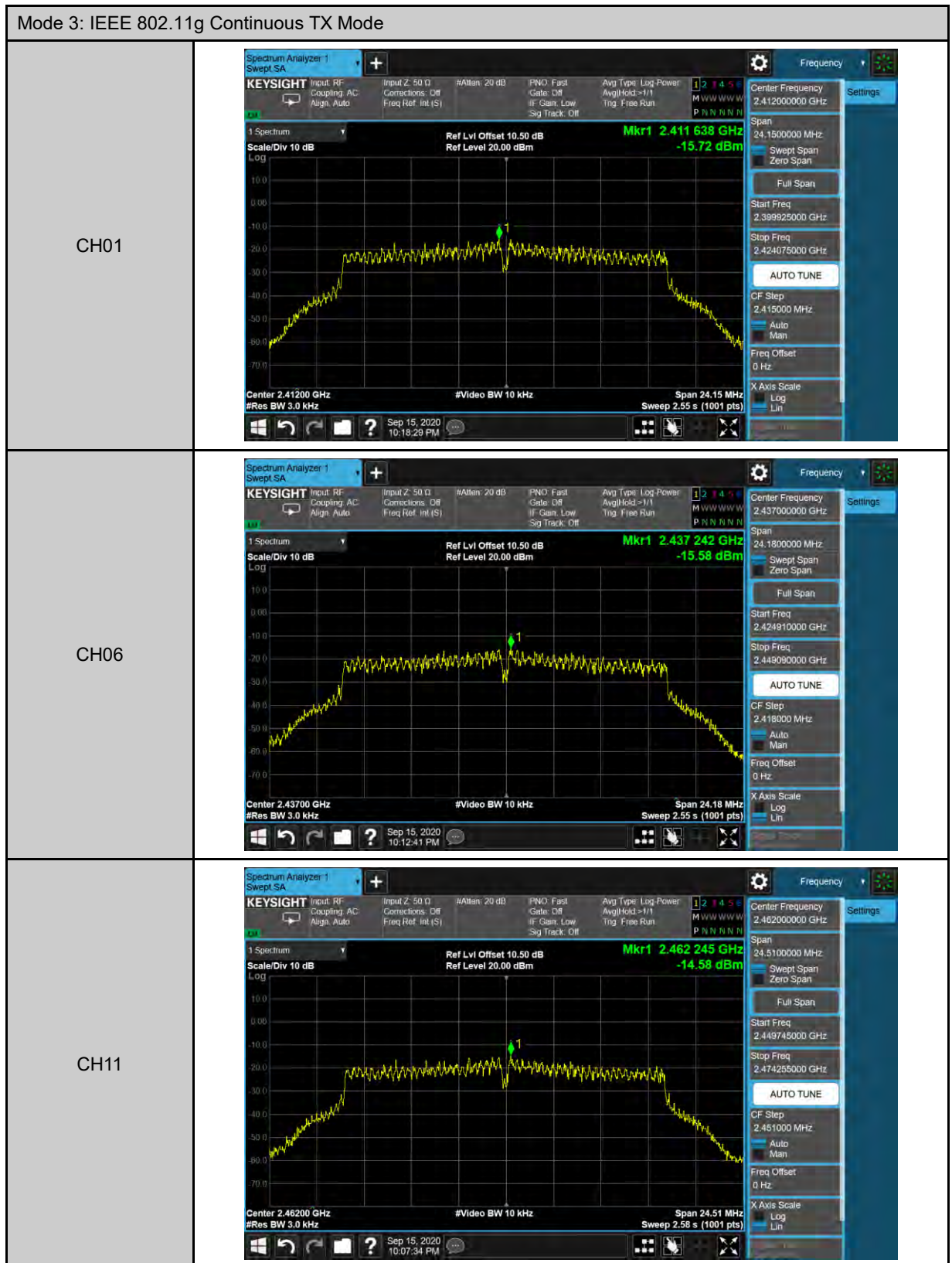


CH06



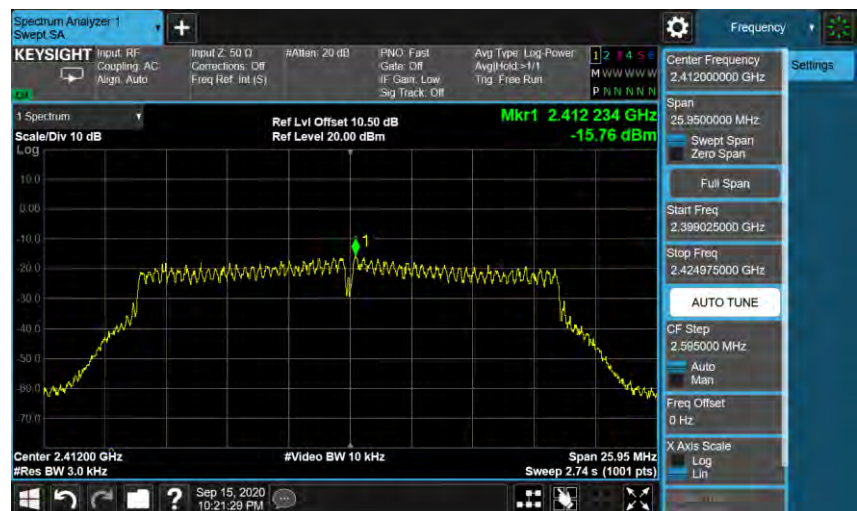
CH11



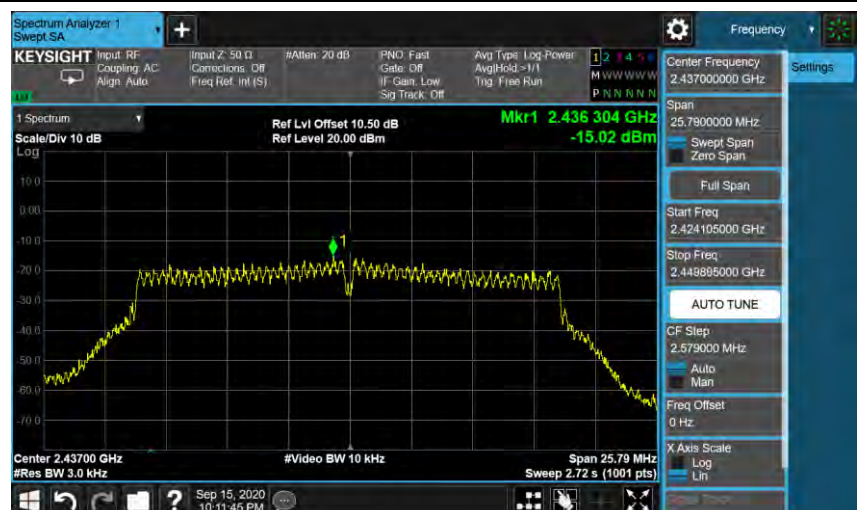


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode

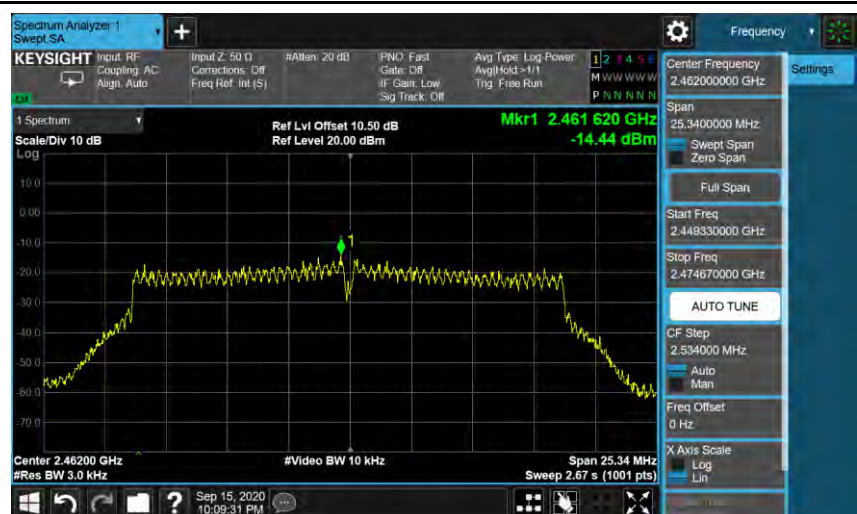
CH01



CH06



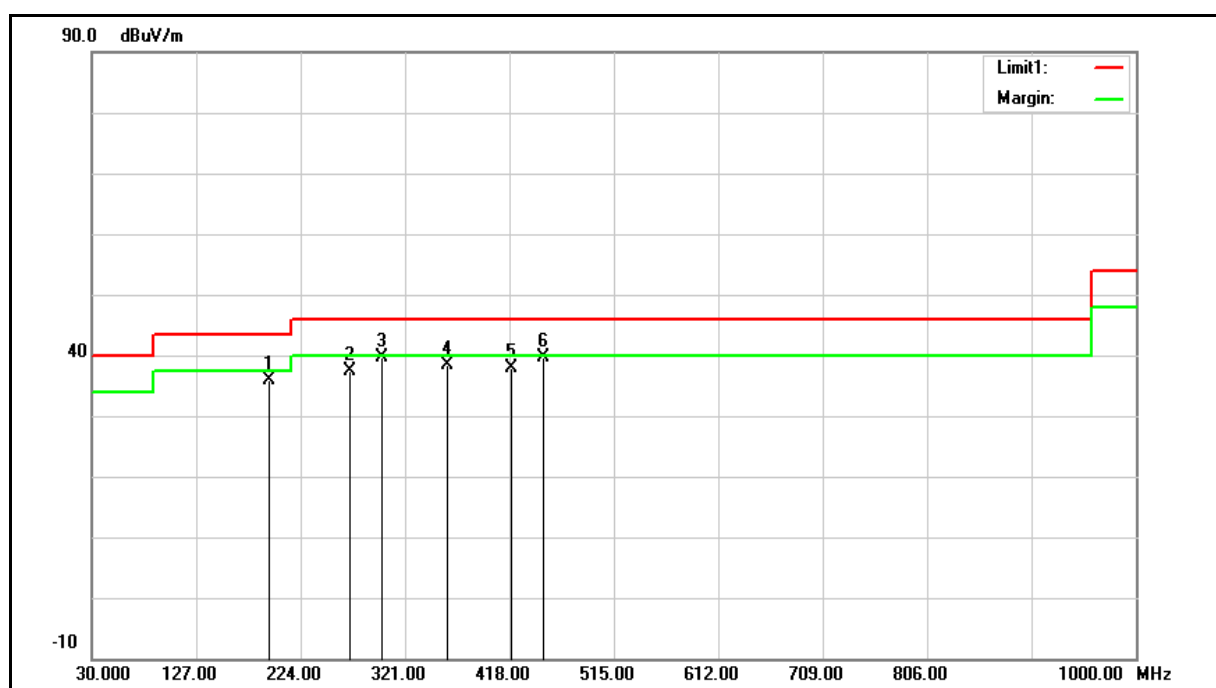
CH11



Annex D. Radiated Emission Measurement (5 GHz)

其它不必要之訊號 (1 GHz 以下)

Standard:	LP0002	Test Distance:	3 m
Test item:	Radiated Emission		
Frequency:	5240 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	194.9000	45.79	-10.00	35.79	43.50	-7.71	QP
2	269.5900	44.84	-7.55	37.29	46.00	-8.71	QP
3	299.6600	46.32	-6.59	39.73	46.00	-6.27	QP
4	359.8000	43.79	-5.50	38.29	46.00	-7.71	QP
5	419.9400	42.31	-4.48	37.83	46.00	-8.17	QP
6	450.0100	43.50	-3.96	39.54	46.00	-6.46	QP

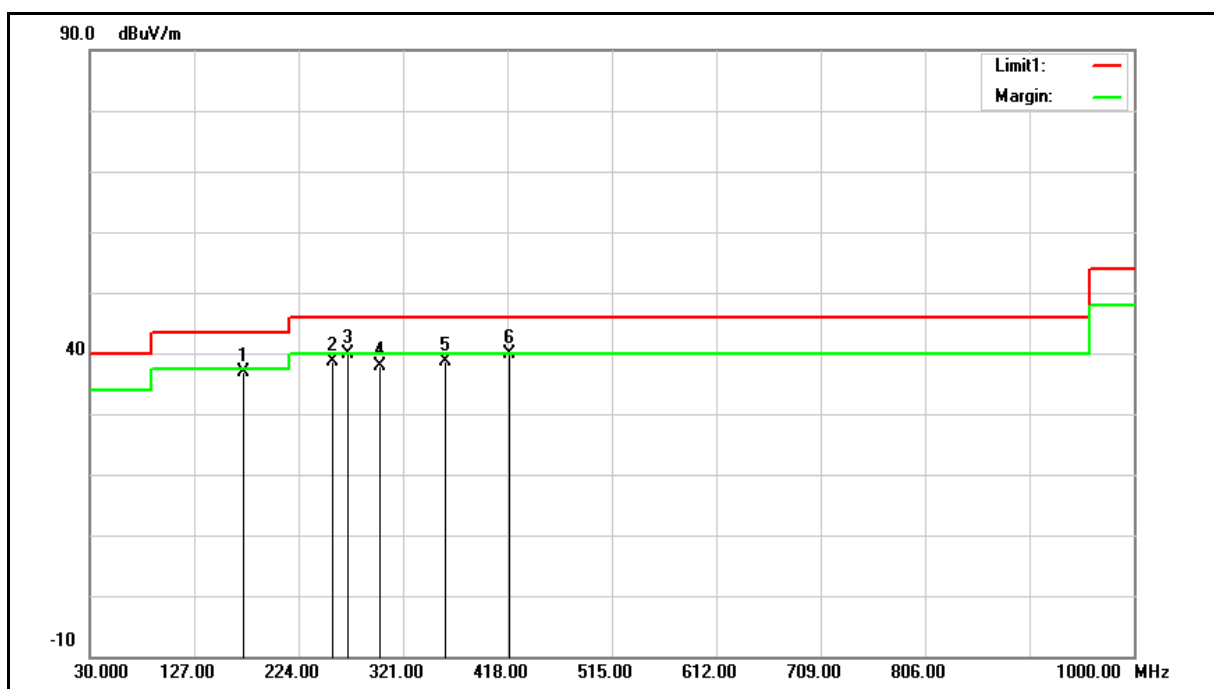
Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 35.79 = -10.00 + 45.79.

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:	5240 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	172.5900	45.02	-8.13	36.89	43.50	-6.61	QP
2	255.0400	46.97	-8.25	38.72	46.00	-7.28	QP
3	269.5900	47.32	-7.55	39.77	46.00	-6.23	QP
4	299.6600	44.51	-6.59	37.92	46.00	-8.08	QP
5	359.8000	44.14	-5.50	38.64	46.00	-7.36	QP
6	419.9400	44.24	-4.48	39.76	46.00	-6.24	QP

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

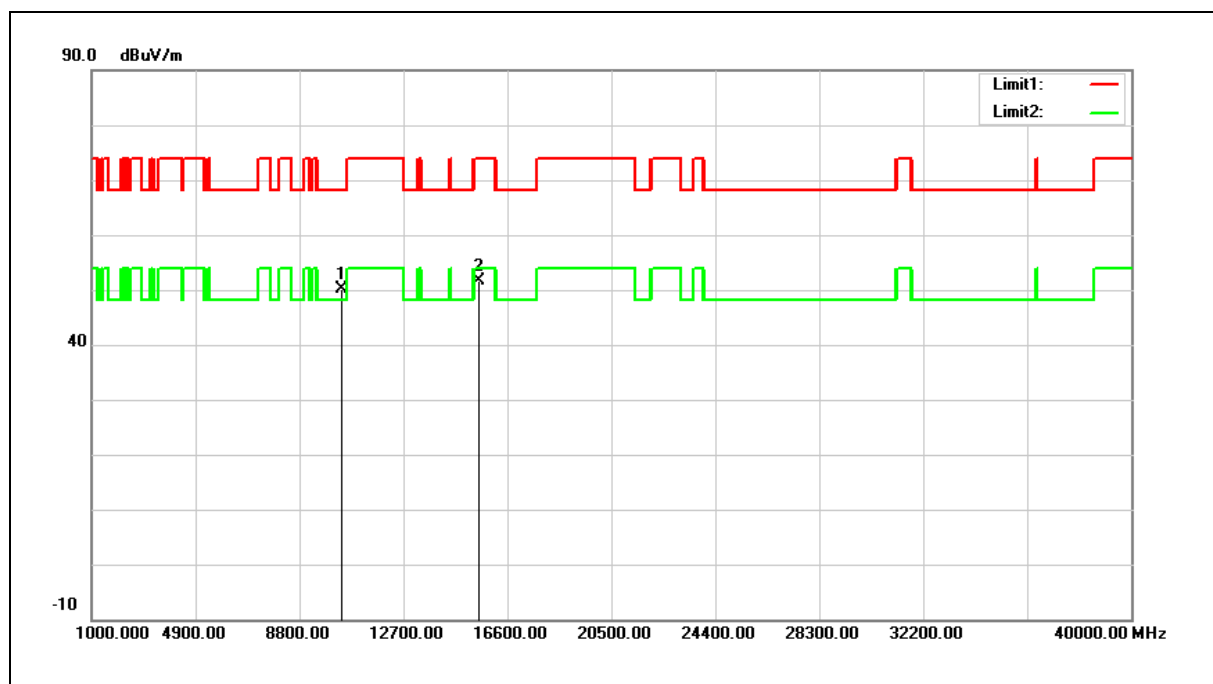
Example: $36.89 = -8.13 + 45.02$.

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

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

場強輻射量側 (1 GHz 以上)

Standard:	LP0002	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5180 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	10360.000	36.86	13.27	50.13	68.20	-18.07	peak
2	15540.000	35.76	15.81	51.57	74.00	-22.43	peak

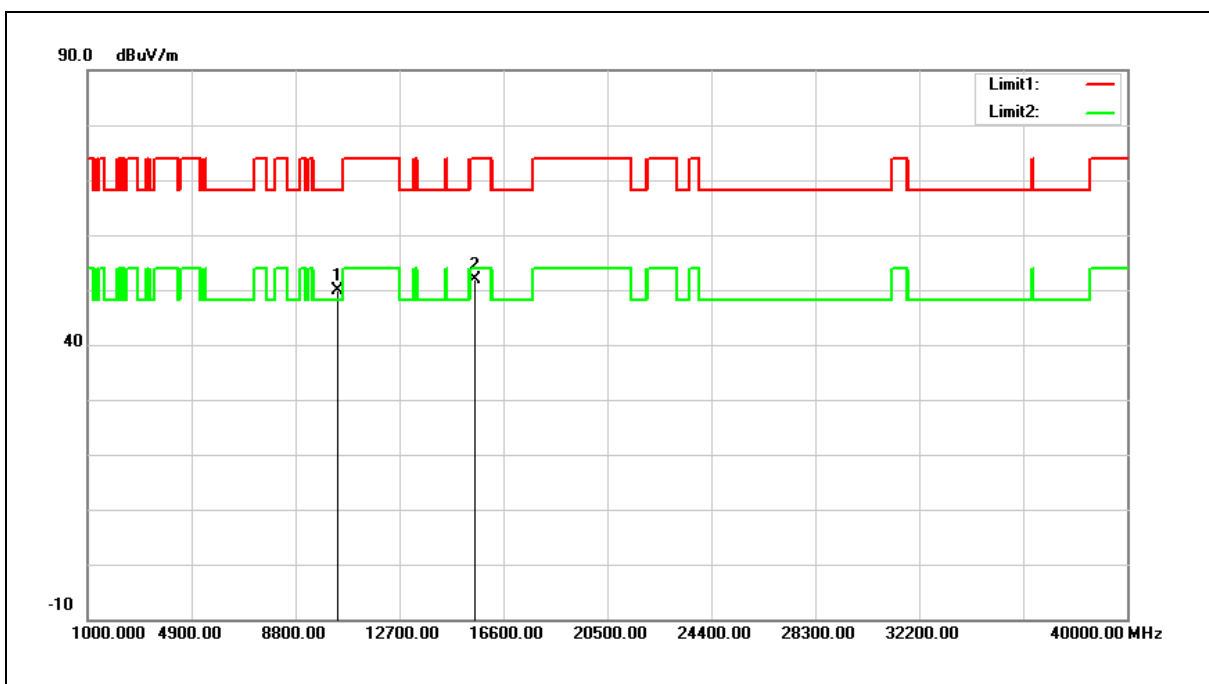
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 50.13 = 13.27 + 36.86.

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:	3m
Test item:	Harmonic		
Frequency:	5180 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	10360.000	36.62	13.27	49.89	68.20	-18.31	peak
2	15540.000	36.06	15.81	51.87	74.00	-22.13	peak

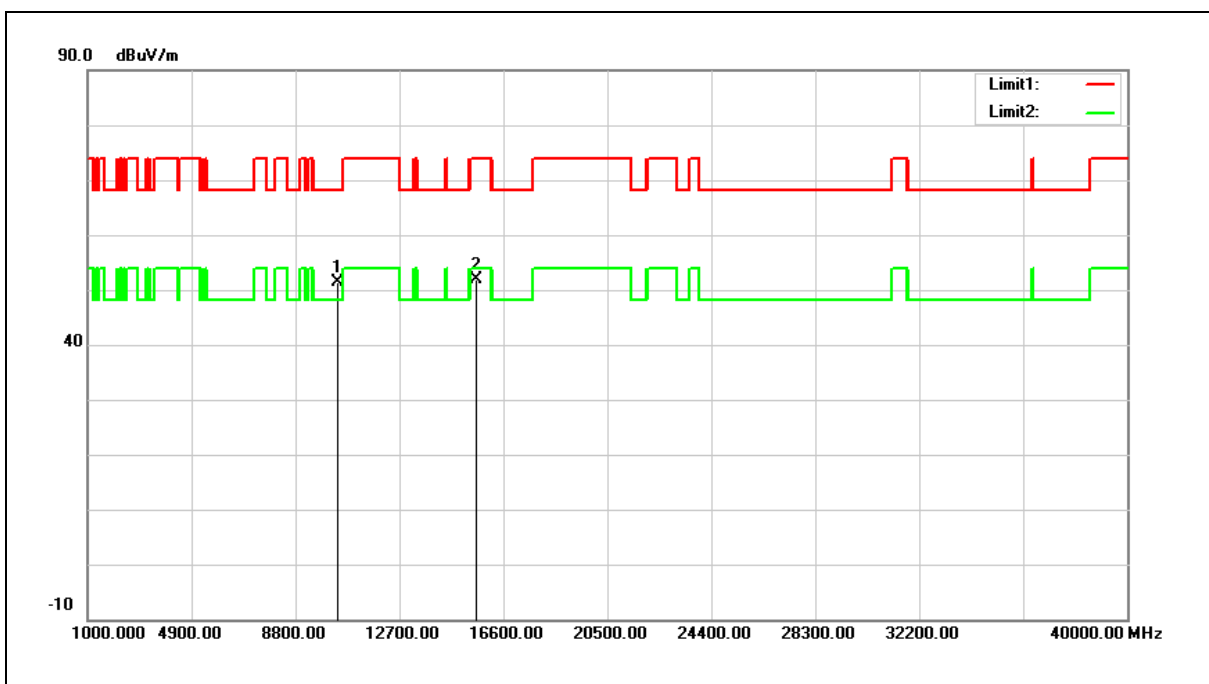
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 49.89 = 13.27 + 36.62.

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:	3m
Test item:	Harmonic		
Frequency:	5200 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



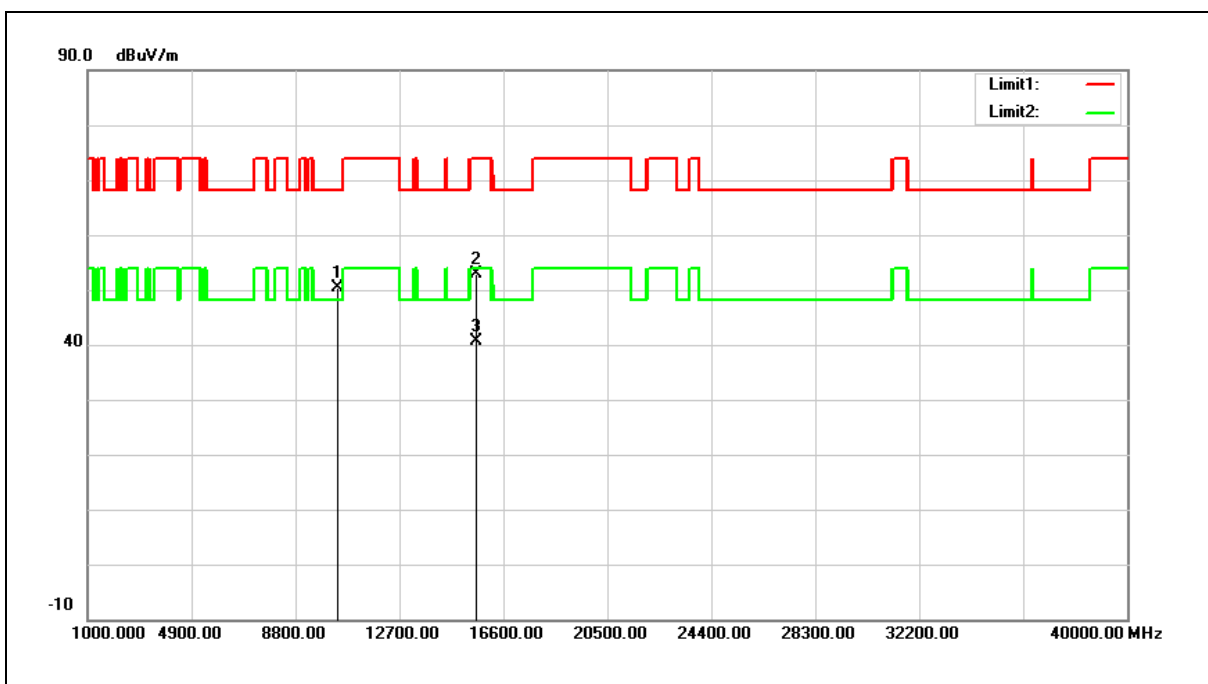
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	38.08	13.41	51.49	68.20	-16.71	peak
2	15600.000	36.15	15.63	51.78	74.00	-22.22	peak

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:	3m
Test item:	Harmonic		
Frequency:	5200 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		



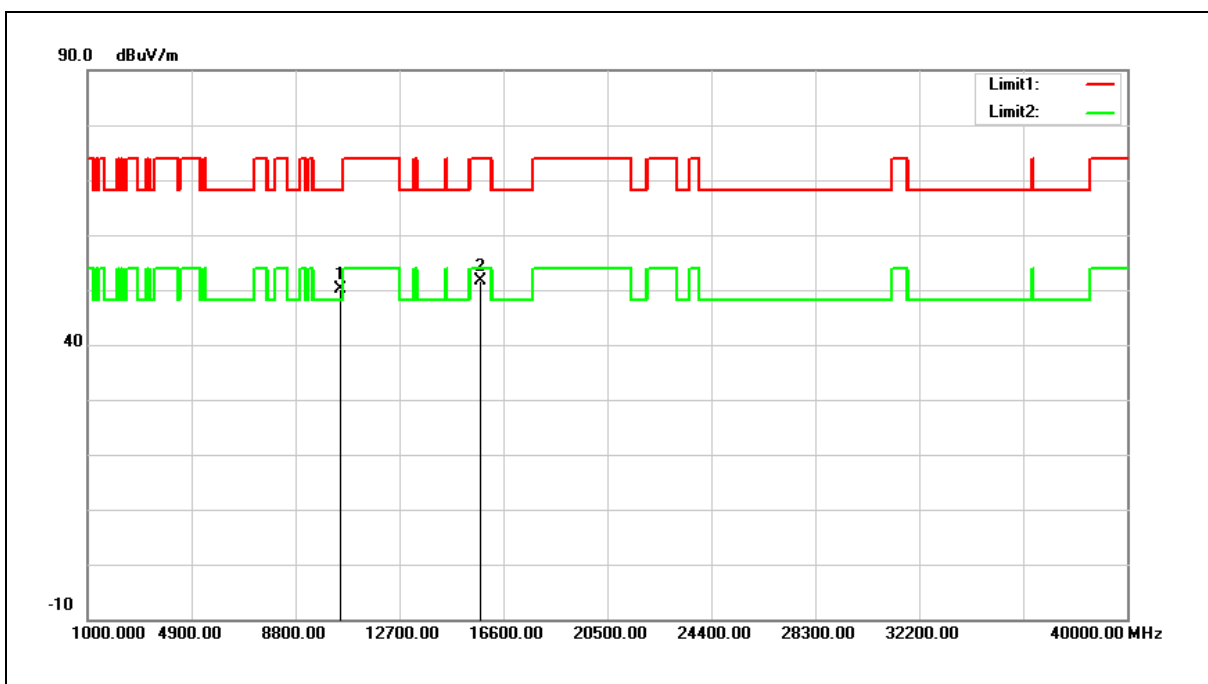
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	36.89	13.41	50.30	68.20	-17.90	peak
2	15600.000	37.16	15.63	52.79	74.00	-21.21	peak
3	15600.000	25.00	15.63	40.63	54.00	-13.37	AVG

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:	3m
Test item:	Harmonic		
Frequency:	5240 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



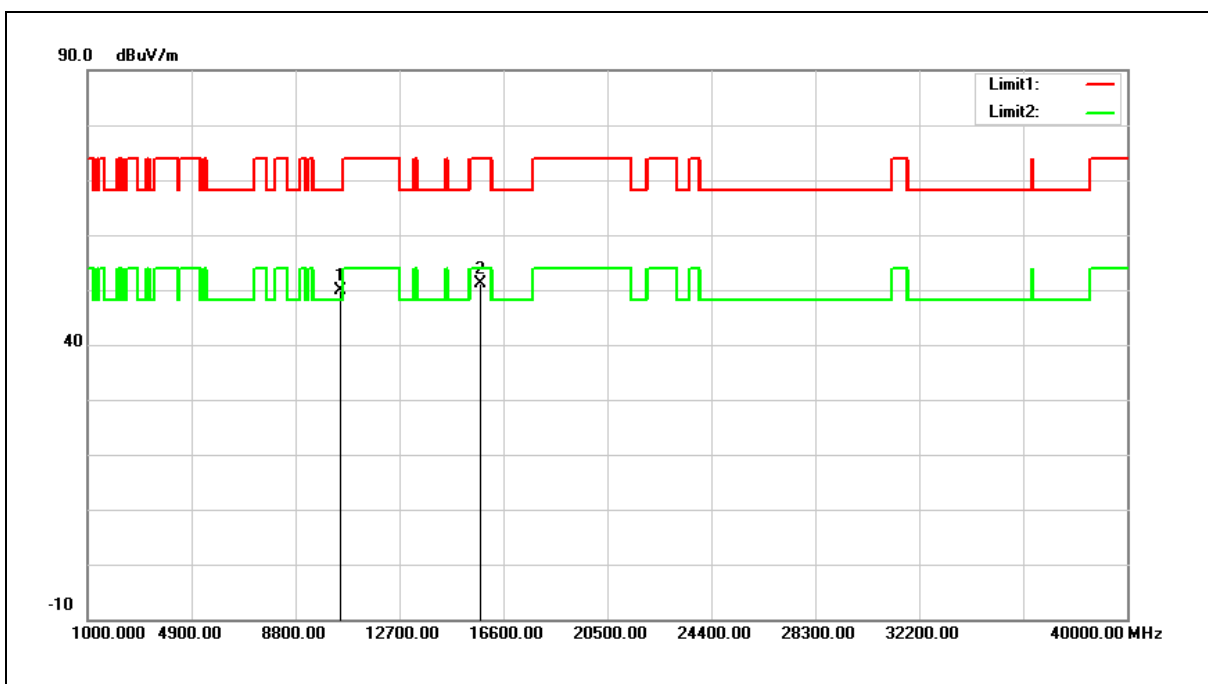
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	36.46	13.70	50.16	68.20	-18.04	peak
2	15720.000	36.41	15.27	51.68	74.00	-22.32	peak

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5240 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	10480.000	36.26	13.70	49.96	68.20	-18.24	peak
2	15720.000	35.77	15.27	51.04	74.00	-22.96	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.