



晶復科技股份有限公司

A Test Lab Techno Corp.

低功率射頻電機試驗報告

報告編號 2005DR27

版本(Rev.) 02

產品名稱 HUAWEI WiFi WS5200 / HUAWEI WiFi WS5200 無線路由器

申請廠商 訊巖技術有限公司

商標或廠牌 HUAWEI

型式 (號) WS5200 V2

產品試驗依據之標準 低功率射頻電機技術規範(LP0002) 107 年 1 月 10 日

報告發行日期 109 年 05 月 19 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 : 低功率射頻電機技術規範(LP0002)
2.4 GHz 射頻電信終端設備技術規範(RTTE01)

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 05 月 14 日	初版發行	林珮鈺
01	109 年 05 月 19 日	第 6 頁更新 RF 最大輸出功率。 第 9 頁更新檢驗系統示意圖。 第 11 頁更新測試模式 Note 2。 第 423~428 更新最大傳導輸出功率之量測。 第 492 頁更新電波暴露量之評估。	林珮鈺
02	109 年 05 月 19 日	第 6 頁更新 RF 最大輸出功率。 第 9 頁更新檢驗系統示意圖。 第 10 頁更新輔助測試之週邊設備描述。 第 423~428 更新最大傳導輸出功率之量測。	林珮鈺

低功率射頻電機測試證明書

發行日期：109年05月19日

產品名稱：HUAWEI WiFi WS5200 / HUAWEI WiFi WS5200 無線路由器

商標：HUAWEI

型號：WS5200 V2

申請廠商：訊歲技術有限公司

申請者地址：臺北市內湖區洲子街55、57號3樓

製造廠商：HUAWEI TECHNOLOGIES CO., LTD.

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

待測物電壓：DC 12 V, 1 A

試驗電壓：110 Vac, 60 Hz

量測規範：低功率射頻電機技術規範(LP0002) 107年1月10日

試驗實驗室：晶復科技股份有限公司(桃園市八德區長安街140-1號)

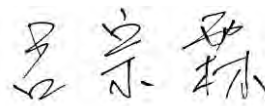
試驗受理日期：109 年 03 月 27 日

試驗日期：109 年 03 月 30 日 ~ 109 年 04 月 30 日

報告中所描述之測試結果與待測設備之架構組合，均根據實際量測情況作詳實的記錄。
由測試結果顯示，上述待測設備樣機確實已符合低功率射頻電機技術規範(LP0002)所規定的各項限制值。

特此證明！

審核者：



(呂 宗 霖)

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1. 一般敘述

1.1 待測設備一般敘述

本敘述僅針對產品簡單說明之，其他詳細之規格請參考使用說明書。

產 品 名 稱	HUAWEI WiFi WS5200 / HUAWEI WiFi WS5200 無線路由器				
商 標 或 廠 牌	HUAWEI				
型 號	WS5200 V2				
額 定 電 源	DC 12 V, 1 A				
調 變 方 式	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n 2.4 GHz 20 MHz / 40 MHz: OFDM IEEE 802.11a U-NII Band: OFDM IEEE 802.11n 5 GHz 20 MHz / 40 MHz U-NII Band: OFDM IEEE 802.11ac 20 MHz / 40 MHz / 80 MHz U-NII Band: OFDM *此產品之不具有動態選擇(DFS)之雷達偵測功能 (Client without radar detection function)				
頻 率 使 用 範 圍	Mode				Frequency Range (MHz)
	IEEE 802.11b / IEEE 802.11g / IEEE 802.11n 2.4 GHz 20 MHz				2412 – 2462
	IEEE 802.11n 2.4 GHz 40 MHz				2422 – 2452
	IEEE 802.11a / IEEE 802.11n 5 GHz 20 MHz U-NII Band I IEEE 802.11ac 20 MHz U-NII Band I				5180 – 5240
	IEEE 802.11a / IEEE 802.11n 5 GHz 20 MHz U-NII Band 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	Antenna		廠牌	型號	型態
	2.4 GHz	ANT-0	HUAWEI	WS5200-30-2.4G-1	外接式天線
		ANT-1	HUAWEI	WS5200-30-2.4G-2	外接式天線
	5 GHz	ANT-0	HUAWEI	WS5200-30-5G-1	外接式天線
		ANT-1	HUAWEI	WS5200-30-5G-2	外接式天線
	2.4 GHz Directional Gain				
	5 GHz Directional Gain				

RF 最大輸出功率	Mode	Power	
	IEEE 802.11b	18.83 dBm	0.076 W
	IEEE 802.11g	19.03 dBm	0.080 W
	IEEE 802.11n 2.4 GHz 20 MHz	21.44 dBm	0.139 W
	IEEE 802.11n 2.4 GHz 40 MHz	21.46 dBm	0.140 W
	IEEE 802.11a U-NII Band I	18.47 dBm	0.070 W
	IEEE 802.11a U-NII Band III	18.35 dBm	0.068 W
	IEEE 802.11n 5 GHz 20 MHz U-NII Band I	21.28 dBm	0.134 W
	IEEE 802.11n 5 GHz 20 MHz U-NII Band III	21.47 dBm	0.140 W
	IEEE 802.11n 5 GHz 40 MHz U-NII Band I	18.87 dBm	0.077 W
	IEEE 802.11n 5 GHz 40 MHz U-NII Band III	23.14 dBm	0.206 W
	IEEE 802.11ac 20 MHz U-NII Band I	21.36 dBm	0.137 W
	IEEE 802.11ac 20 MHz U-NII Band III	21.50 dBm	0.141 W
	IEEE 802.11ac 40 MHz U-NII Band I	18.99 dBm	0.079 W
	IEEE 802.11ac 40 MHz U-NII Band III	23.25 dBm	0.211 W
	IEEE 802.11ac 80 MHz U-NII Band I	6.73 dBm	0.005 W
	IEEE 802.11ac 80 MHz U-NII Band III	20.22 dBm	0.105 W
Beamforming on			
RF 最大輸出功率	Mode	Power	
	IEEE 802.11n 2.4 GHz 20 MHz	18.23 dBm	0.067 W
	IEEE 802.11n 2.4 GHz 40 MHz	18.13 dBm	0.065 W
	IEEE 802.11n 5 GHz 20 MHz U-NII Band I	18.15 dBm	0.065 W
	IEEE 802.11n 5 GHz 20 MHz U-NII Band III	18.27 dBm	0.067 W
	IEEE 802.11n 5 GHz 40 MHz U-NII Band I	15.06 dBm	0.032 W
	IEEE 802.11n 5 GHz 40 MHz U-NII Band III	20.05 dBm	0.101 W
	IEEE 802.11ac 20 MHz U-NII Band I	18.20 dBm	0.066 W
	IEEE 802.11ac 20 MHz U-NII Band III	18.31 dBm	0.068 W
	IEEE 802.11ac 40 MHz U-NII Band I	15.10 dBm	0.032 W
	IEEE 802.11ac 40 MHz U-NII Band III	20.15 dBm	0.103 W
	IEEE 802.11ac 80 MHz U-NII Band I	3.53 dBm	0.002 W
	IEEE 802.11ac 80 MHz U-NII Band III	16.99 dBm	0.050 W

輸出/輸入埠說明：

輸 出 / 入 埠		數量	介面內容說明
1	DC Power Port	1	連接至電源供應器
2	WAN Port	1	連接至 Optecal / Broadband / Cable modem
3	LAN Port	3	連接至 Notebook

待測設備外圍說明：

電 源 線 類 別	本產品透過電源供應器供電，請參見下列附屬裝置表
附 屬 裝 置	請參見下列附屬裝置表

附屬裝置表：

裝置名稱	廠牌/製造商	型號	備註
電源供應器	HUAWEI	HW-120100U01	INPUT : 100-240 VAC, 50/60 Hz, 0.5 A OUTPUT : 12 VDC, 1 A Cable out : Non-Shielded, 1.5 m 製造商(1)：東莞市石龍富華電子有限公司 製造商(2)：Shenzhen TOPOW Electronics CO., LTD. 製造商(3)：SHENZHEN HONOR ELECTRONIC CO LTD
乙太網路線	深圳市永矩電子有限公司	HS-198	Non-Shielded, 1.1 m

1.2 其他相關聲明

本測試報告屬(以下選擇一種打■)

☒	申請新的型式檢驗認可的測試。
☐	已取得型式檢驗認可之商品,因設計變更而重新測試。 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: Apr. 23 ~ Apr. 30, 2020

測試者: 呂迪曄

名稱	廠牌	型號	序號	本次校驗日期	校驗年限
Spectrum Analyzer (20 Hz~26.5 GHz)	Agilent	N9020A	US47520902	09/18/2019	1 year
Power Sensor	Anritsu	MA2411B	1126022	09/03/2019	1 year
Power Meter	Anritsu	ML2495A	1135009	09/03/2019	1 year

For Conducted Emission

Test Period: Mar. 30 ~ Apr. 22, 2020

測試者: 申世傑

名稱	廠牌	型號	序號	本次校驗日期	校驗年限
測試接收機 (9 kHz~3 GHz)	R&S	ESCI	100367	05/23/2019	1 year
線性阻抗模擬網路	R&S	ENV216	101040	04/03/2019 03/23/2020	1 year
線性阻抗模擬網路	R&S	ENV216	101041	03/28/2019 04/06/2020	1 year

For Radiated Emissions

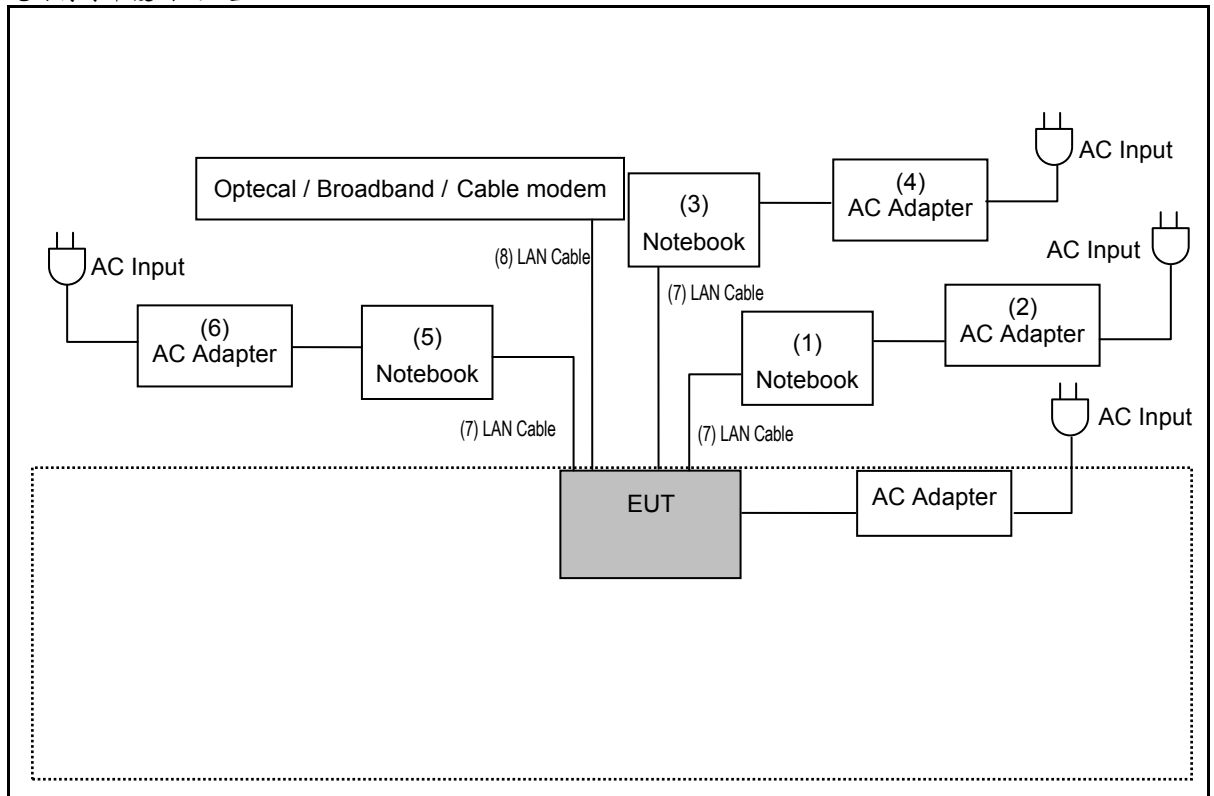
Test Period: Apr. 27 ~ Apr. 28, 2020

測試者: 廖經雄

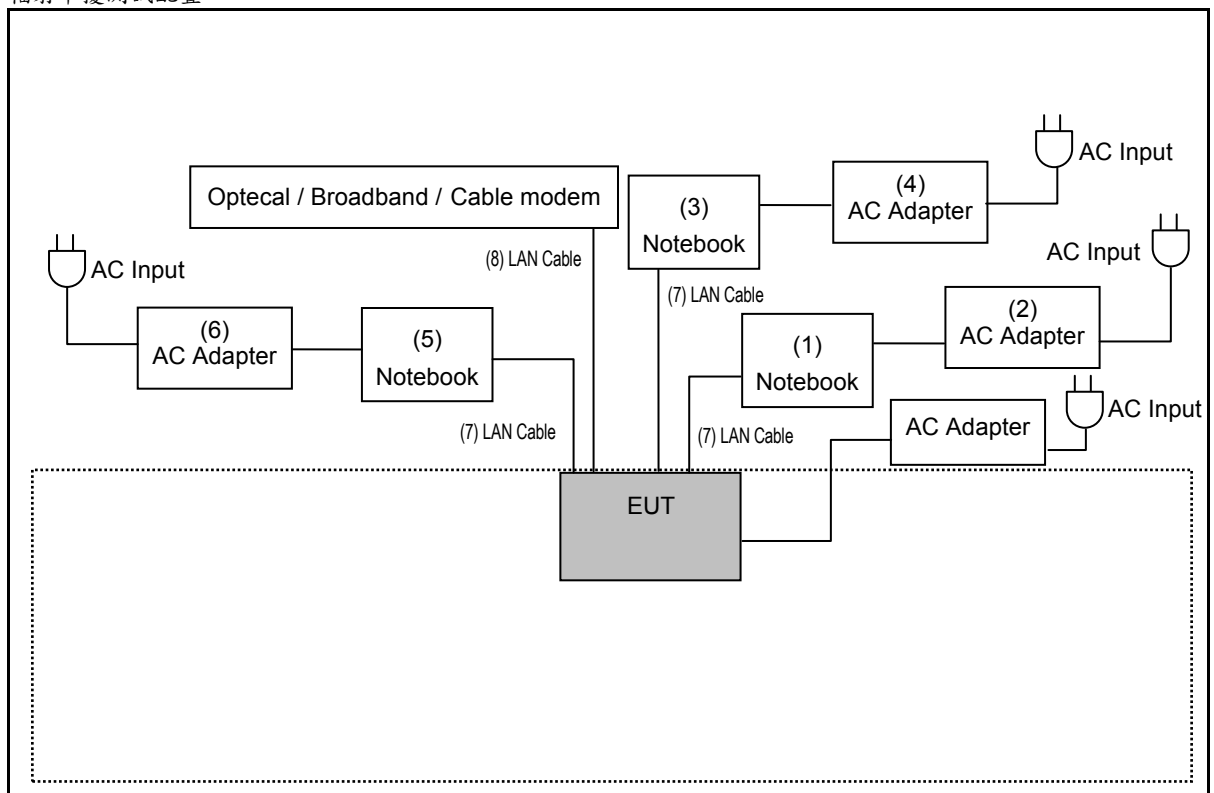
名稱	廠牌	型號	序號	本次校驗日期	校驗年限
EXA Signal Analyzer	Keysight	N9010A	MY52221312	01/13/2020	1 year
Amplifier	Agilent	8449B	3008A02237	10/18/2019	1 year
Amplifier	Agilent	8447D	2944A11119	01/15/2020	1 year
天線	SCHWARZBECK MESS-ELEKTRONIK	VULB 9168	416	10/23/2019	1 year
天線(1~18 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	08/22/2019	1 year
天線(18~40 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	08/14/2019	1 year

2.2 檢驗系統示意圖

電源傳導干擾測試配置



輻射干擾測試配置



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	商標	型號	序號	電源線	備註
(1) Notebook	DELL	LATITUDE E6440	5HZBD72	---	(實驗室提供)
(2) AC Adapter	DELL	HA65NM130	---	Non-Shielded, 0.8 m	INPUT : AC 100 V to 240 V, 50 Hz/60 Hz, 1.7 A OUTPUT : DC 19.5 V, 3.34 A (實驗室提供)
(3) Notebook	DELL	LATITUDE E5440	BRTQXY1	---	(實驗室提供)
(4) AC Adapter	DELL	HA65NM130	---	Non-Shielded, 0.8 m	INPUT : AC 100 V to 240 V, 50 Hz/60 Hz, 1.7 A OUTPUT : DC 19.5 V, 3.34 A (實驗室提供)
(5) Notebook	ASUS	P2430U	GANXCV04H86940A	---	(實驗室提供)
(6) AC Adapter	ASUS	ADP-65GD B	---	Non-Shielded, 0.8 m	INPUT : AC 100 V to 240 V, 50 Hz/60 Hz, 1.5 A OUTPUT : DC 19 V, 3.42 A (實驗室提供)
(7) LAN Cable	HUAWEI	UL2464	---	---	長度:1.4 m (實驗室提供)
(8) LAN Cable	ATL	EMC	---	---	長度:3 m (實驗室提供)

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

2.4 測試軟體版本

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

2.5 測試模式

使用定頻模式量測

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

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

Note 1: ANT-0 is the worst case in Mode 2/Mode 3.

Note 2: Conducted 量測項目在 Mode 6 worst case 是 ANT-1；場強輻射在 Mode 6 worst case 是 ATN-0.

Note 3: Investigation has been done on all the possible configurations for searching the worst cases (VHT20/VHT40 covers HT20/HT40). The table is a list of the test modes show in this test report.

Note 4: 電源供應器有 3 款製造商，經驗證電源傳導，製造商(2)為 Worst Case.

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

Test Mode	Antenna Delivery	Data Rate (Mbps)	Test Channel
Mode 2	1TX / 1RX(Diversity)	1	1, 6, 11
Mode 3	1TX / 1RX(Diversity)	6	1, 6, 11
Mode 4	2TX / 2RX (MIMO/Beamforming on)	13	1, 6, 11
Mode 5	2TX / 2RX (MIMO/Beamforming on)	27	3, 6, 9
Mode 6	1TX / 1RX(Diversity)	6	36, 40, 48, 149, 157, 165
Mode 7	2TX / 2RX (MIMO/Beamforming on)	13	36, 40, 48, 149, 157, 165
Mode 8	2TX / 2RX (MIMO/Beamforming on)	27	38, 46, 151, 159
Mode 9	2TX / 2RX (MIMO/Beamforming on)	13	36, 40, 48, 149, 157, 165
Mode 10	2TX / 2RX (MIMO/Beamforming on)	27	38, 46, 151, 159
Mode 11	2TX / 2RX (MIMO/Beamforming on)	58.6	42, 155

Duty cycle

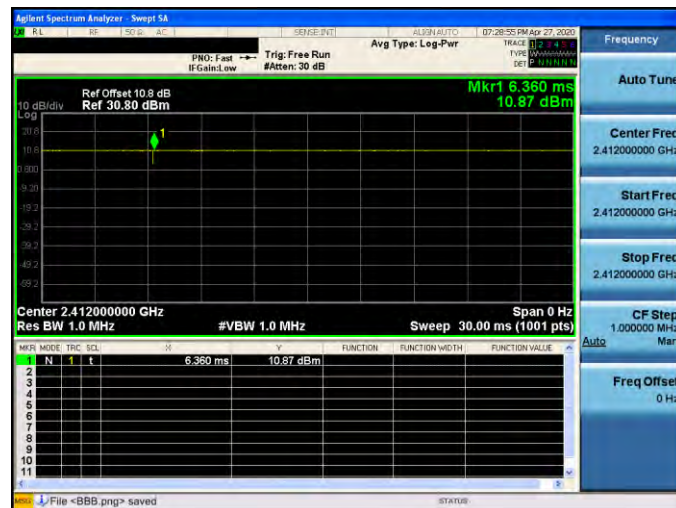
Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 2	2412	6.360	6.360	1.000	0.000	0.010
Mode 3	2412	2.768	2.776	0.997	0.013	0.010
Mode 4	2412	1.314	1.329	0.989	0.049	0.010
Mode 5	2422	0.656	0.667	0.984	0.070	0.010
Mode 6	5180	2.770	2.780	0.996	0.016	0.010
Mode 9	5180	1.314	1.329	0.989	0.049	0.010
Mode 10	5190	0.658	0.668	0.985	0.066	0.010
Mode 11	5210	0.335	0.343	0.977	0.102	2.985

Beamforming on

Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 4	2412	1.314	1.329	0.989	0.049	0.010
Mode 5	2422	0.656	0.667	0.984	0.070	0.010
Mode 9	5180	1.314	1.329	0.989	0.049	0.010
Mode 10	5190	0.658	0.668	0.985	0.066	0.010
Mode 11	5210	0.335	0.343	0.977	0.102	2.985

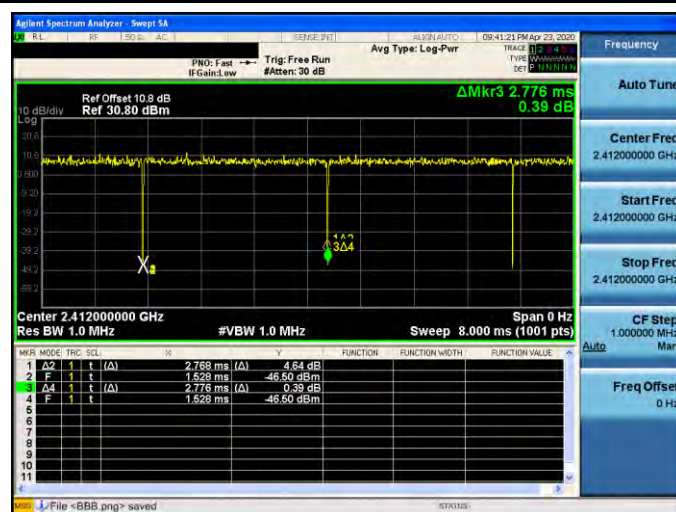
Mode 2: IEEE 802.11b Continuous TX Mode

On+off time



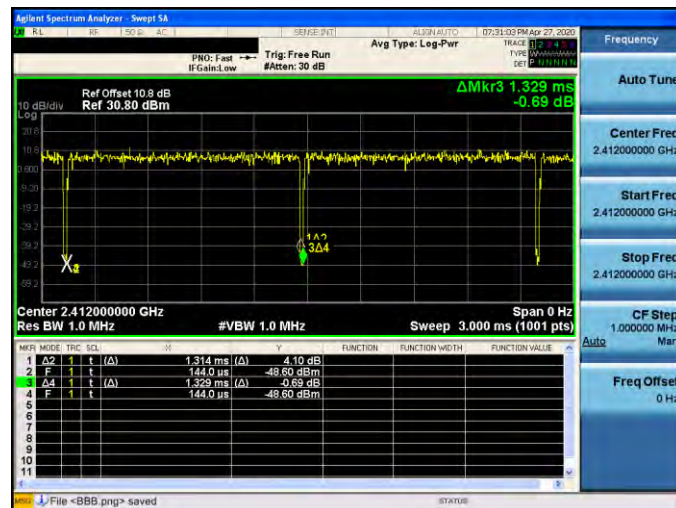
Mode 3: IEEE 802.11g Continuous TX Mode

On+off time



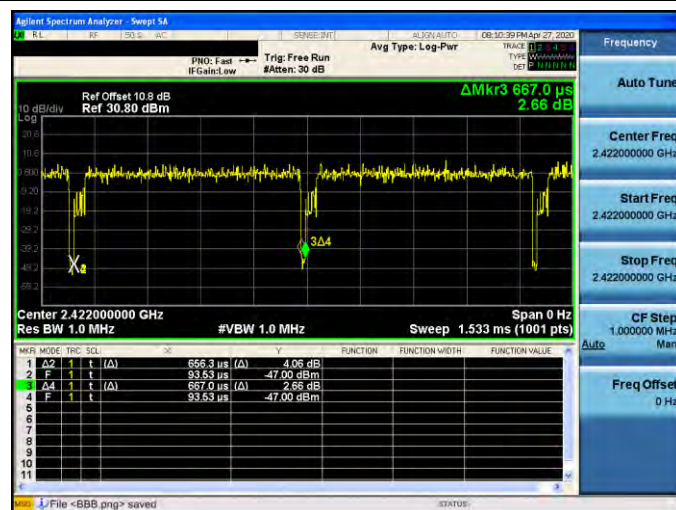
Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode

On+off time



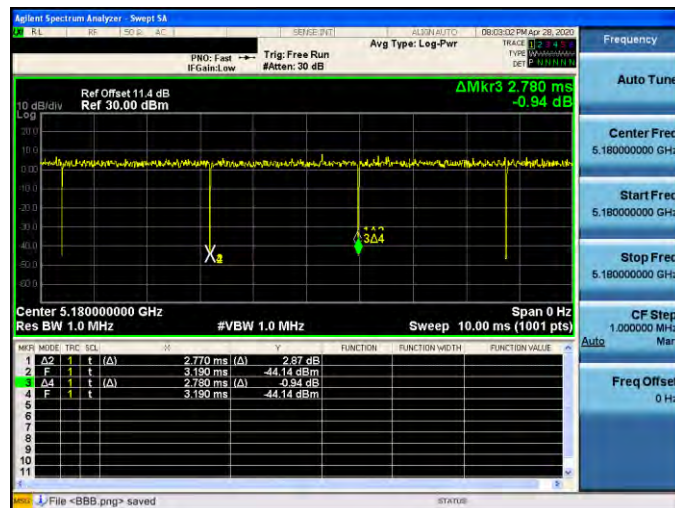
Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode

On+off time



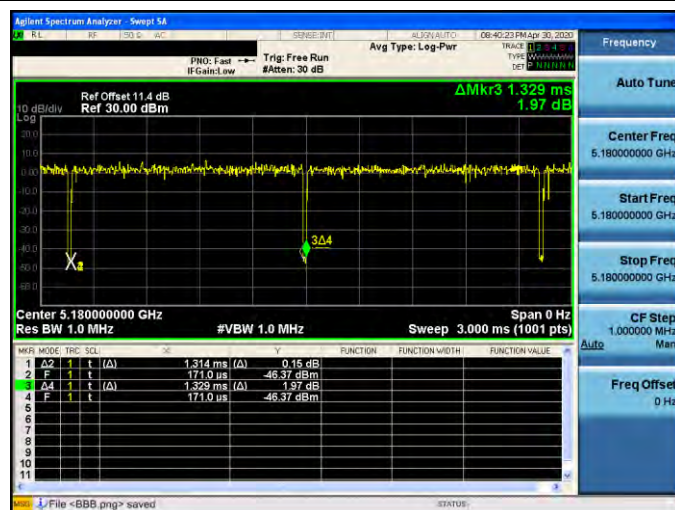
Mode 6: IEEE 802.11a Continuous TX Mode

On+off time



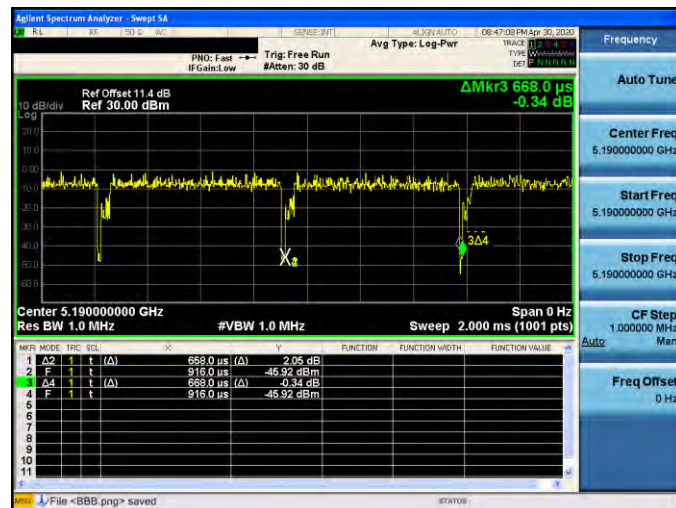
Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode

On+off time



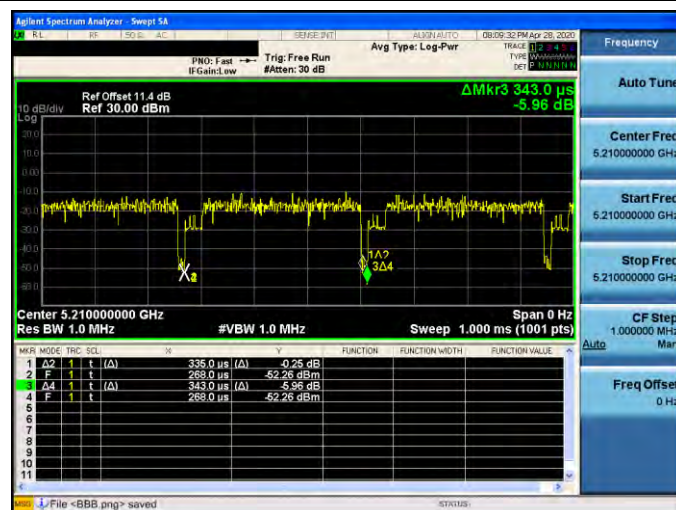
Mode 10: IEEE 802.11ac 40 MHz Continuous TX Mode

On+off time



Mode 11: IEEE 802.11ac 80 MHz Continuous TX Mode

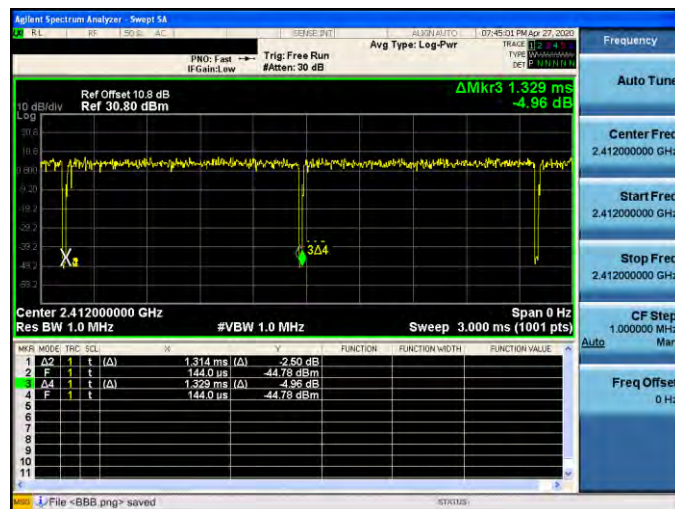
On+off time



Beamforming on

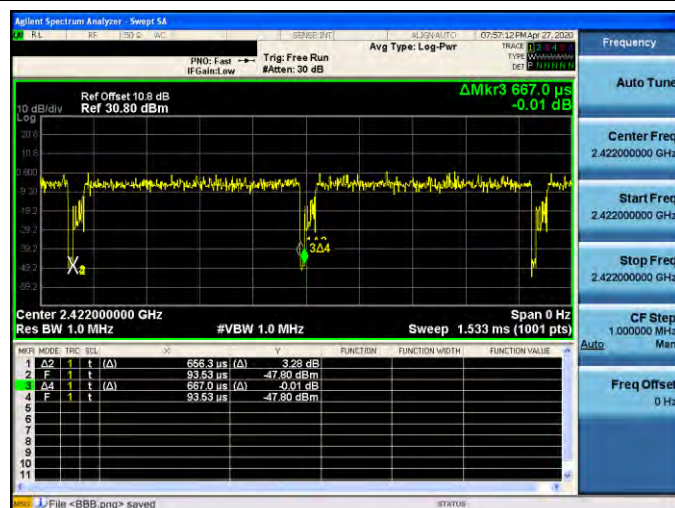
Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode

On+off time



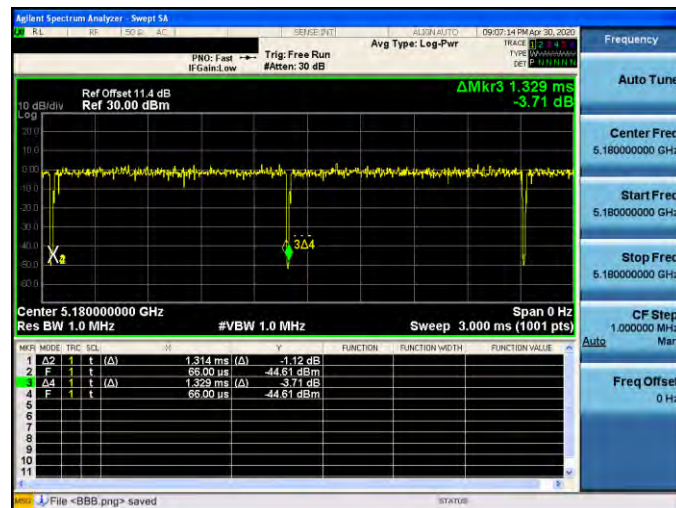
Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode

On+off time



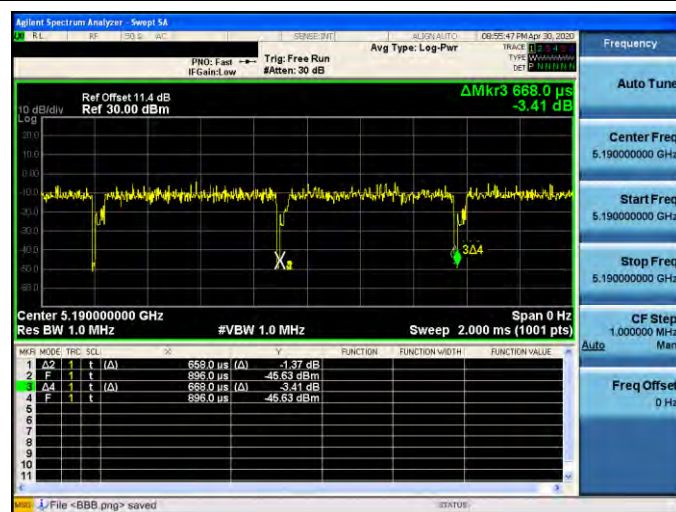
Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode

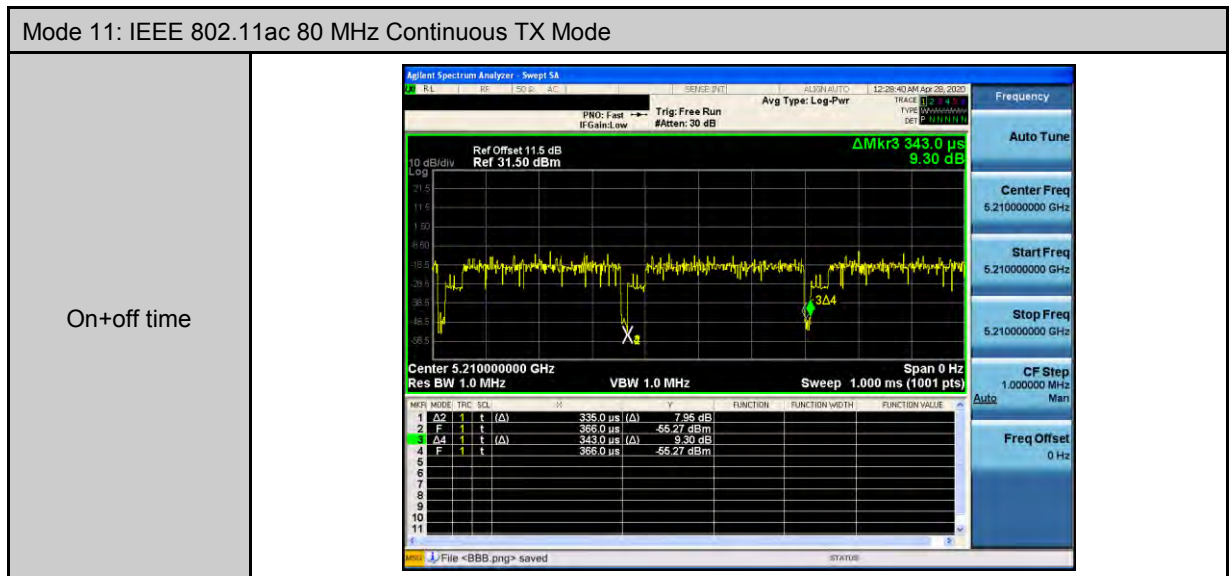
On+off time



Mode 10: IEEE 802.11ac 40 MHz Continuous TX Mode

On+off time





2.6 量測不確定度

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

Test Item	Frequency Range	Uncertainty (dB)
Conducted Emission	150 kHz ~ 30 MHz	2.68
Radiated Emission	9 kHz ~ 30 MHz	2.14
	30 MHz ~ 1000 MHz	4.99
	1000 MHz ~ 18000 MHz	4.99
	18000 MHz ~ 26500 MHz	4.23
	26500 MHz ~ 40000 MHz	4.39
Conducted Output Power		0.92 dB
RF Bandwidth		4.79 %
Power Spectral Density		0.92 dB
Frequency Stability		4.1×10^{-8}
Duty Cycle		1.06 %
Time Occupancy		1.40 %

Decision Rule

☒ Uncertainty is not included.

☐ Uncertainty is included.

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
大氣壓力 (mbar)		860 - 1060	990 - 1005

3. 測試項目與結果判定總表

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

2.4 GHz 頻段適用下列表格

項次	測試項目	適用規範	測試結果	量測設備	結果判定
1	電源線傳導干擾	低功率射頻電機技術規範 2.3 節	請參閱 4.1 節	請參閱 2.1 節	合格
2	場強輻射	低功率射頻電機技術規範 2.8 節、2.9 節、3.10.1.5.(1)節	請參閱 4.2.1 節	請參閱 2.1 節	合格
3	頻帶邊緣外之輻射發射	低功率射頻電機技術規範 3.10.1.5.(1)節	請參閱 4.2.1 節	請參閱 2.1 節	合格
4	最大傳導輸出功率	低功率射頻電機技術規範 3.10.1.2(1)(C)節	請參閱 4.2.2 節	請參閱 2.1 節	合格
5	天線規格	低功率射頻電機技術規範 3.10.1.3(3)、3.10.1.4 節	請參閱 4.2.3 節	-----	合格
6	非必要頻帶	低功率射頻電機技術規範 3.10.1.5(1)節	請參閱 4.2.4 節	請參閱 2.1 節	合格
7	6 dB 頻寬	低功率射頻電機技術規範 3.10.1.6(2)(A)節	請參閱 4.2.5 節	請參閱 2.1 節	合格
8	峰值發射電功率密度	低功率射頻電機技術規範 3.10.1.6(2)(B)節	請參閱 4.2.6 節	請參閱 2.1 節	合格
9	電波暴露量之評估	低功率射頻電機技術規範 5.20.2.1 節、5.20.2.2 節	請參閱 4.3.12 節	請參閱 2.1 節	合格

5 GHz U-NII 頻段適用下列表格

項次	測試項目	適用規範	測試結果	量測設備	結果判定
1	電源線傳導干擾	低功率射頻電機技術規範 2.3 節	請參閱 4.1 節	請參閱 2.1 節	合格
2	場強輻射	低功率射頻電機技術規範 2.8 節、2.9 節	請參閱 4.3.1 節	請參閱 2.1 節	合格
3	頻帶邊緣外之輻射發射	低功率射頻電機技術規範 2.7、4.7.4 節	請參閱 4.3.1 節	請參閱 2.1 節	合格
4	非必要頻帶	低功率射頻電機技術規範 4.7.4 節	請參閱 4.3.1 節	請參閱 2.1 節	合格
5	最大傳導輸出功率	低功率射頻電機技術規範 4.7.3.1、4.7.3.2、4.7.3.3 節	請參閱 4.3.2 節	請參閱 2.1 節	合格
6	最大傳導功率頻譜密度	低功率射頻電機技術規範 4.7.3.1、4.7.3.2、4.7.3.3 節	請參閱 4.3.3 節	請參閱 2.1 節	合格
7	26 dB 頻寬之要求	N/A	請參閱 4.3.4 節	請參閱 2.1 節	----
8	6 dB 頻寬之要求	低功率射頻電機技術規範 4.7.5 節	請參閱 4.3.5 節	請參閱 2.1 節	合格
9	天線規格	低功率射頻電機技術規範 4.7.8 節	請參閱 4.3.11 節	-----	合格
10	電波暴露量之評估	低功率射頻電機技術規範 5.20.2.1 節、5.20.2.2 節	請參閱 4.3.12 節	請參閱 2.1 節	合格

4. 測試項目表列

4.1 電源線傳導干擾之量測

合格標準：

依據 NCC 低功率射頻電機技術規範(LP0002)之 2.3 節，以市電為電源之低功率射頻電機，其傳導回電源線上頻率自 150 kHz 至 30 MHz 之射頻電壓（在電源端子每一電源線對接地點）不得超過下表所列之限值。測量時應經過 50 Ω /50 μ H 之電源線阻抗模擬網路 (LISN)。頻率重疊處，以較低限值為準。

Frequency (MHz)	傳導限制值 (dBuV)	
	準峰值 (Quasi – peak)	平均值 (Average)
0.15 – 0.5	66 - 56 (註)	56 - 46 (註)
0.5 – 5	56	46
5 - 30	60	50

註：隨頻率之對數遞減。

測試方法：

測試場地為標準傳導測試場地。將待測物置於 0.8 米高的非金屬桌面，使其在工作狀態，待測物電源線接至電源線阻抗穩定網路上，從測試接收機記錄頻率由 0.15 MHz 至 30 MHz 之間之電源線傳導放射強度。

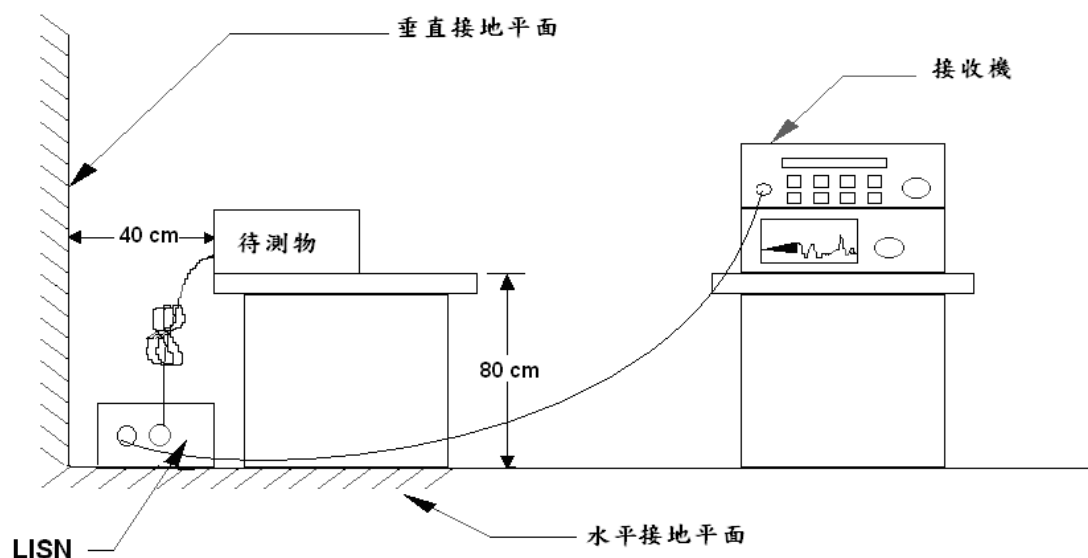
干擾值之計算

電源傳導干擾電壓之計算公式如下

結果值 = 儀器讀值(QP/AV) + 校正因子

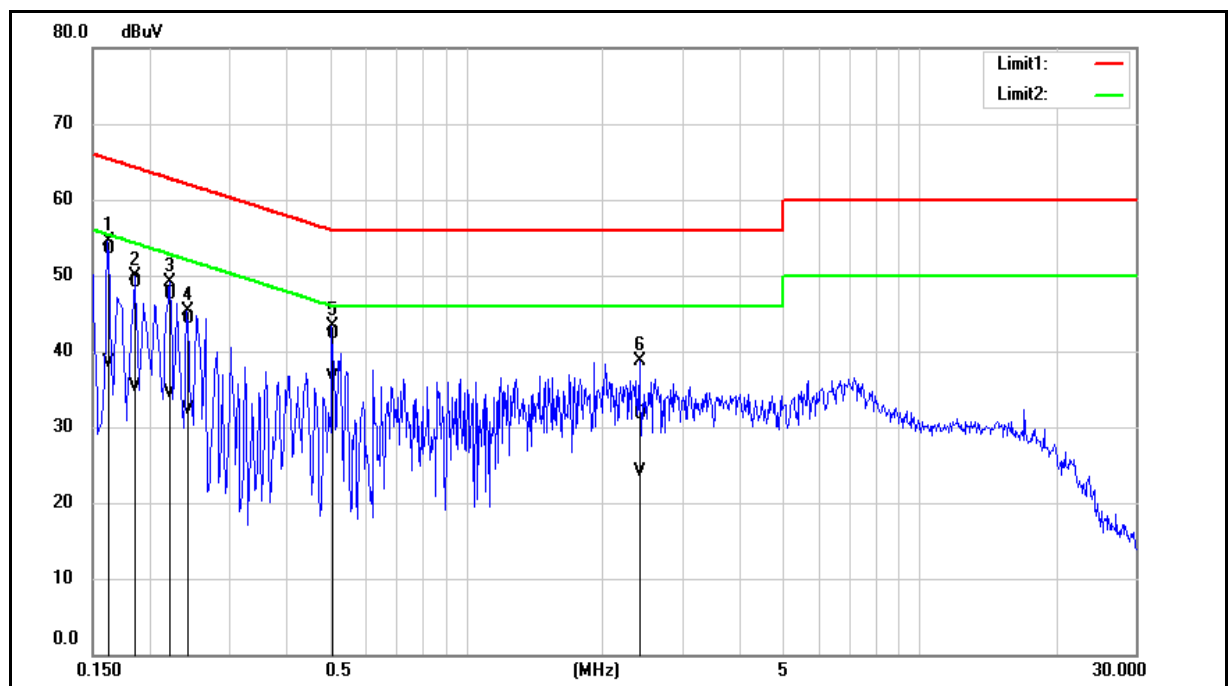
其中校正因子為：饋線損失 + 電源阻抗模擬網路損失

測試架構圖：



測試結果:

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

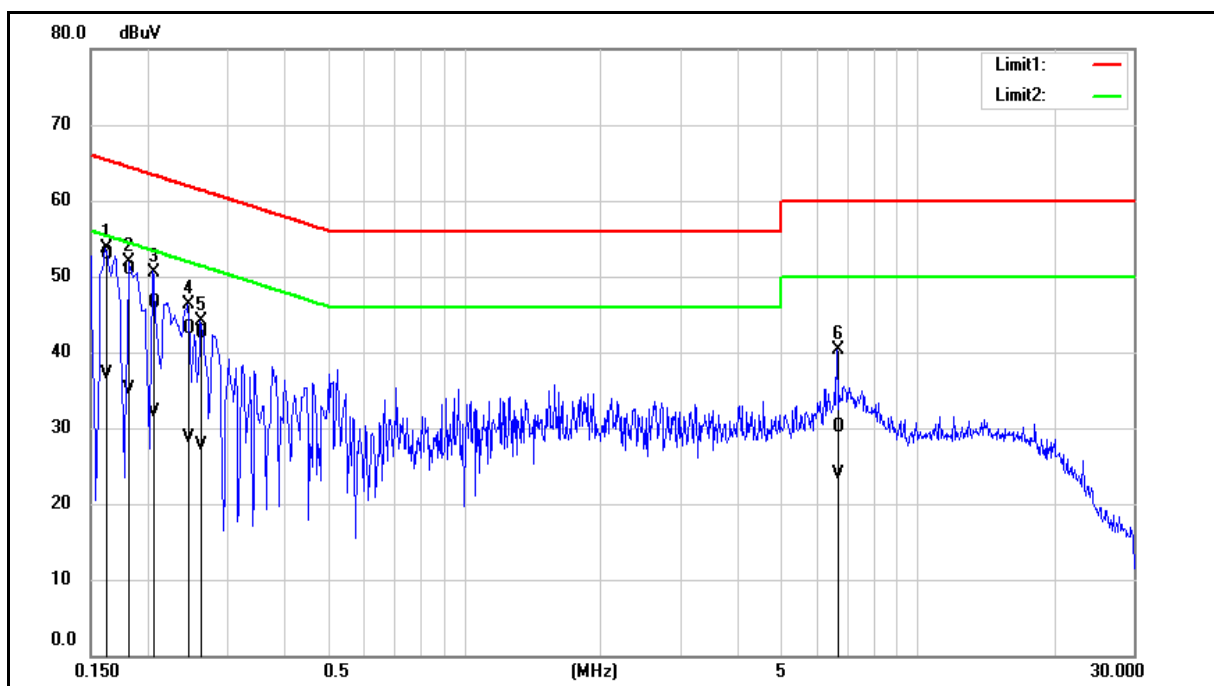


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1620	43.76	28.90	9.70	53.46	38.60	65.36	55.36	-11.90	-16.76	Pass
2	0.1860	39.34	25.62	9.70	49.04	35.32	64.21	54.21	-15.17	-18.89	Pass
3	0.2220	37.80	24.85	9.70	47.50	34.55	62.74	52.74	-15.24	-18.19	Pass
4	0.2420	34.55	22.62	9.70	44.25	32.32	62.03	52.03	-17.78	-19.71	Pass
5	0.5060	32.57	26.74	9.71	42.28	36.45	56.00	46.00	-13.72	-9.55	Pass
6	2.4100	21.95	14.42	9.77	31.72	24.19	56.00	46.00	-24.28	-21.81	Pass

註：1. 干擾值(dBuV) = 校正係數(dB) + 讀值(dBuV)。

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

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



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1620	43.23	27.40	9.69	52.92	37.09	65.36	55.36	-12.44	-18.27	Pass
2	0.1820	41.18	25.48	9.69	50.87	35.17	64.39	54.39	-13.52	-19.22	Pass
3	0.2060	36.86	22.38	9.69	46.55	32.07	63.37	53.37	-16.82	-21.30	Pass
4	0.2460	33.50	18.99	9.69	43.19	28.68	61.89	51.89	-18.70	-23.21	Pass
5	0.2620	32.79	17.97	9.69	42.48	27.66	61.37	51.37	-18.89	-23.71	Pass
6	6.6340	20.30	14.07	9.84	30.14	23.91	60.00	50.00	-29.86	-26.09	Pass

註：1. 干擾值(dBuV) = 校正係數(dB) + 讀值(dBuV)。

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

4.2 2.4 GHz 檢驗項目

4.2.1 場強輻射之量測

合格標準:

依據 NCC 低功率射頻電機技術規範(LP0002)之使用頻帶範圍外之任意 100 千赫 (kHz)內，發射機所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 千赫(kHz)內的射頻功率，至少須衰減 20 dB，以射頻傳導或輻射方式測量。如發射機以依據 NCC 低功率射頻電機技術規範(LP0002)之 3.10.1.2(1)(C)之最大傳導輸出功率量測方式者，至少須衰減 30 dB。此外，落於第 2.7 節禁用頻段之輻射發射，應符合第 2.8 節之規定。

依據 NCC 低功率射頻電機技術規範第 2.7 節之規定,禁用頻段如下：

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

依據 NCC 低功率射頻電機技術規範第 2.8 節之規定,除本規範各章節另有放寬規定者外,其電場強度不得超過下表之限值,且其不必要之發射皆不得大於主波發射強度。各頻段重疊處,以較嚴格之限制值為準。

頻 率 (MHz)	電場強度 (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。

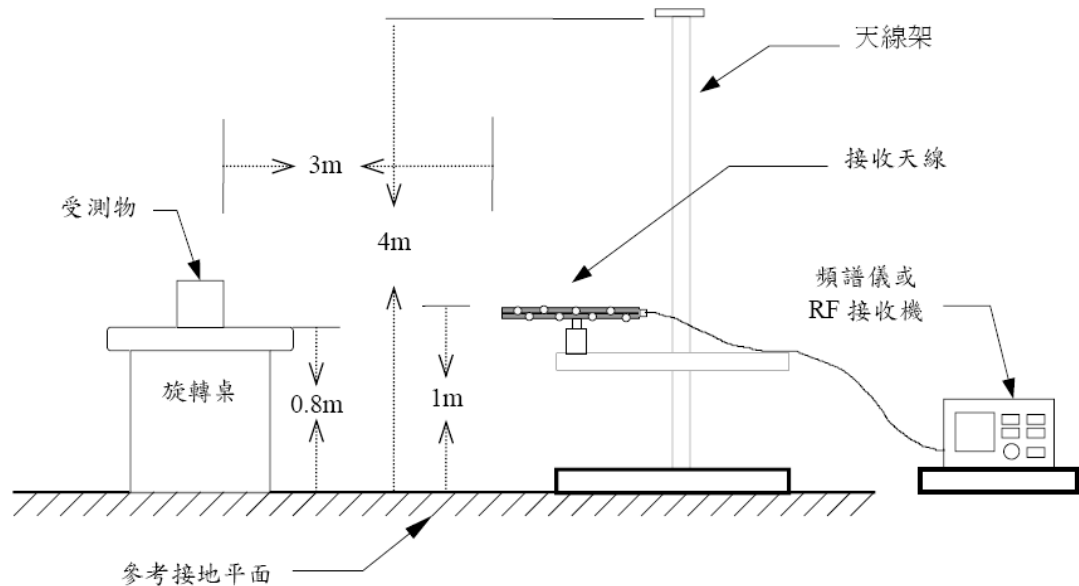
場強度之計算

場強之計算公式為：結果值 = 讀值 + 校正因子

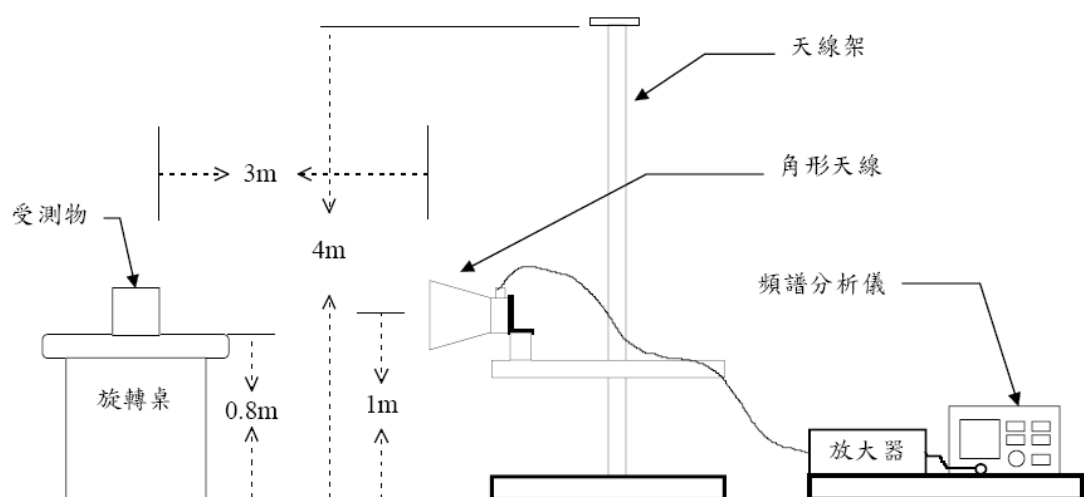
其中校正因子為：天線因子+ 饋線損失 + 濾波器損失（若有使用） - 放大器增益（若有使用）

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

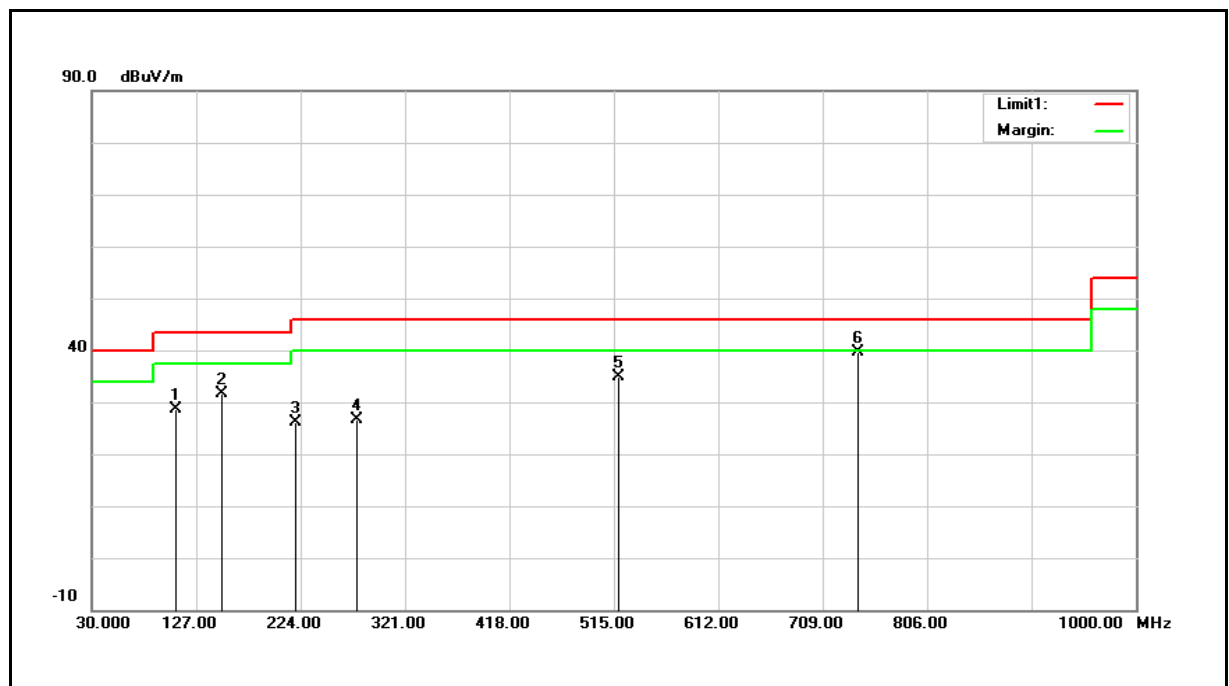


測試結果：

本產品透過預測試確認 X、Y 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。
場強輻射之量測依據輸出峰值功率之量測結果取其最大值之操作模式為場強輻射測試模式。

其它不必要之訊號 (1 GHz 以下)

Standard:	LP0002	Test Distance:	3 m
Test item:	Radiated Emission	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	108.5700	38.03	-9.45	28.58	43.50	-14.92	QP
2	151.2500	37.24	-5.72	31.52	43.50	-11.98	QP
3	219.1500	33.31	-7.18	26.13	46.00	-19.87	QP
4	276.3800	31.51	-4.84	26.67	46.00	-19.33	QP
5	518.8800	34.56	0.31	34.87	46.00	-11.13	QP
6	741.9800	34.66	5.01	39.67	46.00	-6.33	QP

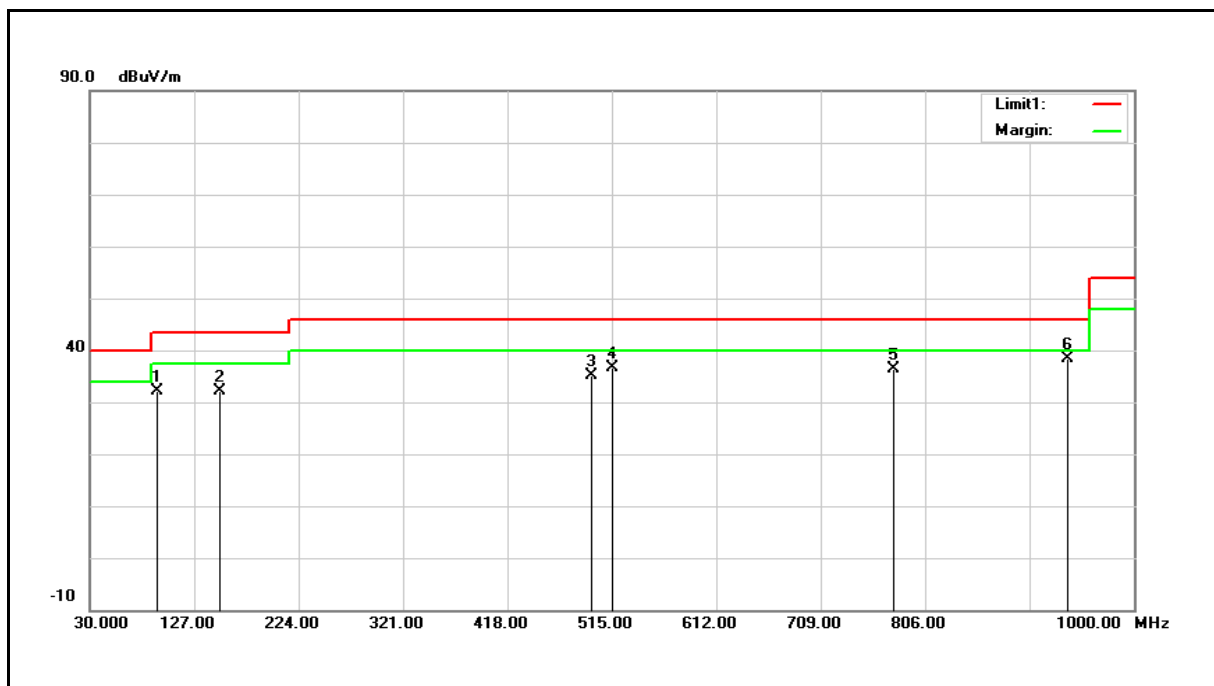
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

Example: 28.58 = -9.45 + 38.03.

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Radiated Emission	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	93.0500	43.90	-11.67	32.23	43.50	-11.27	QP
2	151.2500	37.91	-5.72	32.19	43.50	-11.31	QP
3	496.5700	35.32	-0.18	35.14	46.00	-10.86	QP
4	515.0000	36.34	0.22	36.56	46.00	-9.44	QP
5	776.9000	30.88	5.55	36.43	46.00	-9.57	QP
6	937.9200	29.68	8.70	38.38	46.00	-7.62	QP

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

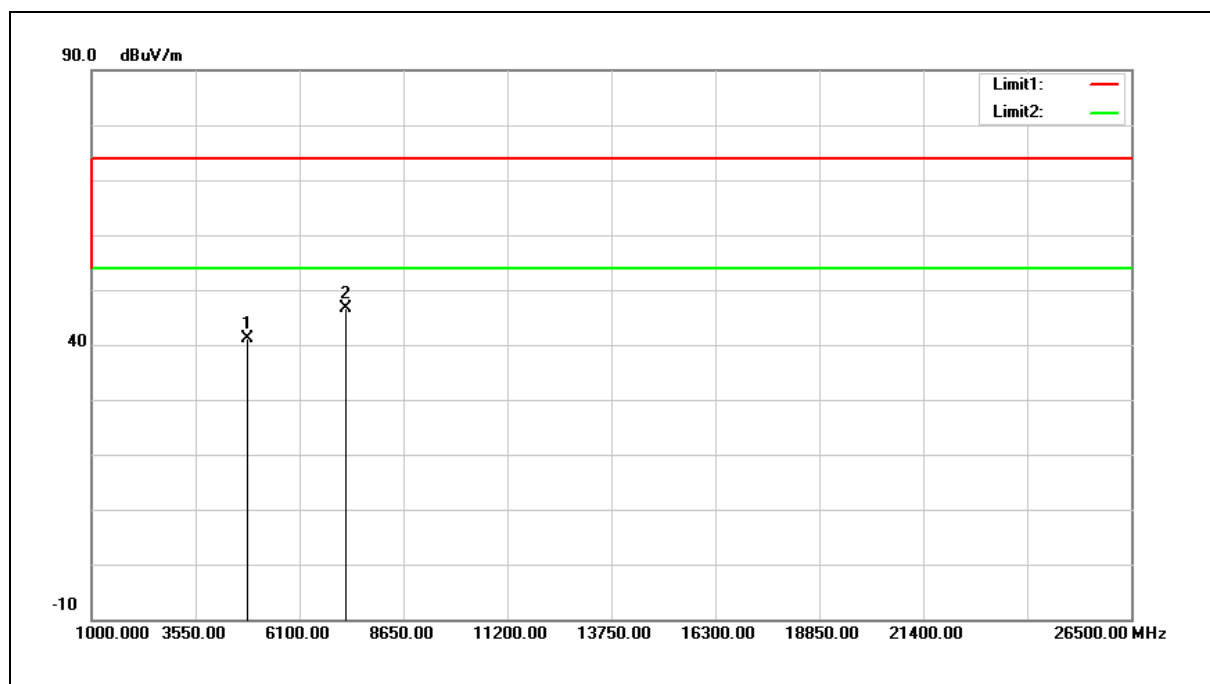
Example: $32.23 = -11.67 + 43.90$.

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

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

場強輻射量側 (1 GHz 以上)

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	35.28	5.97	41.25	74.00	-32.75	peak
2	7236.000	34.21	12.48	46.69	74.00	-27.31	peak

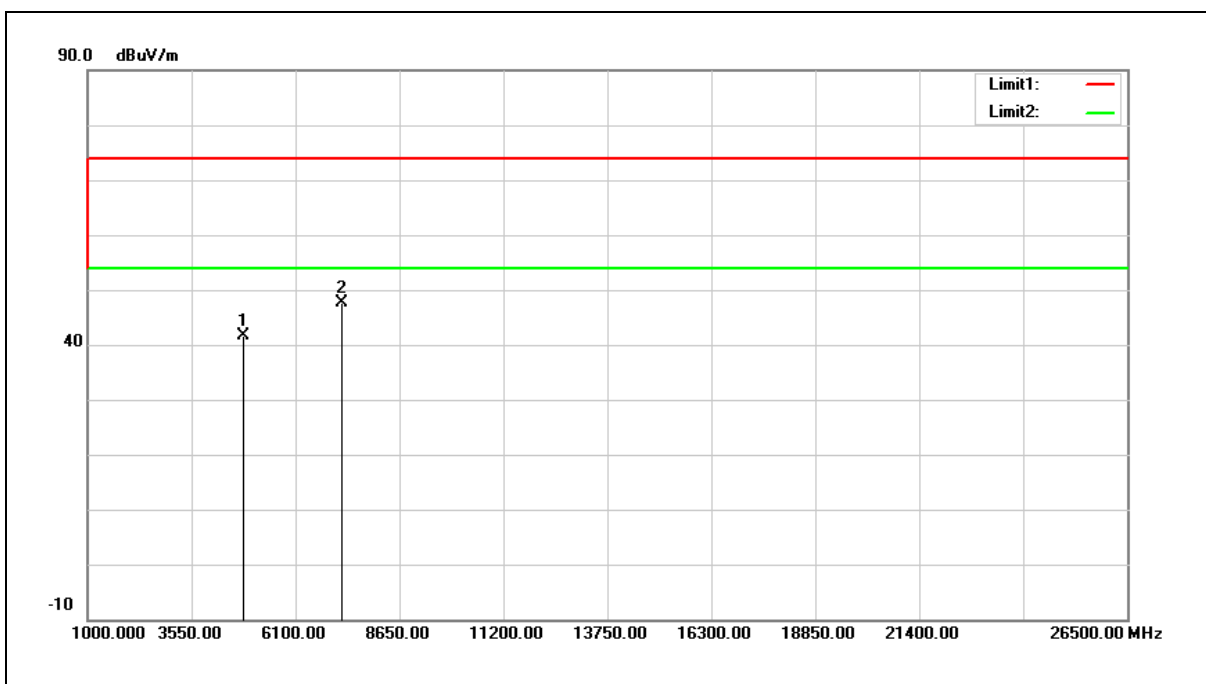
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

Example: $41.25 = 5.97 + 35.28$.

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	35.75	5.97	41.72	74.00	-32.28	peak
2	7236.000	35.17	12.48	47.65	74.00	-26.35	peak

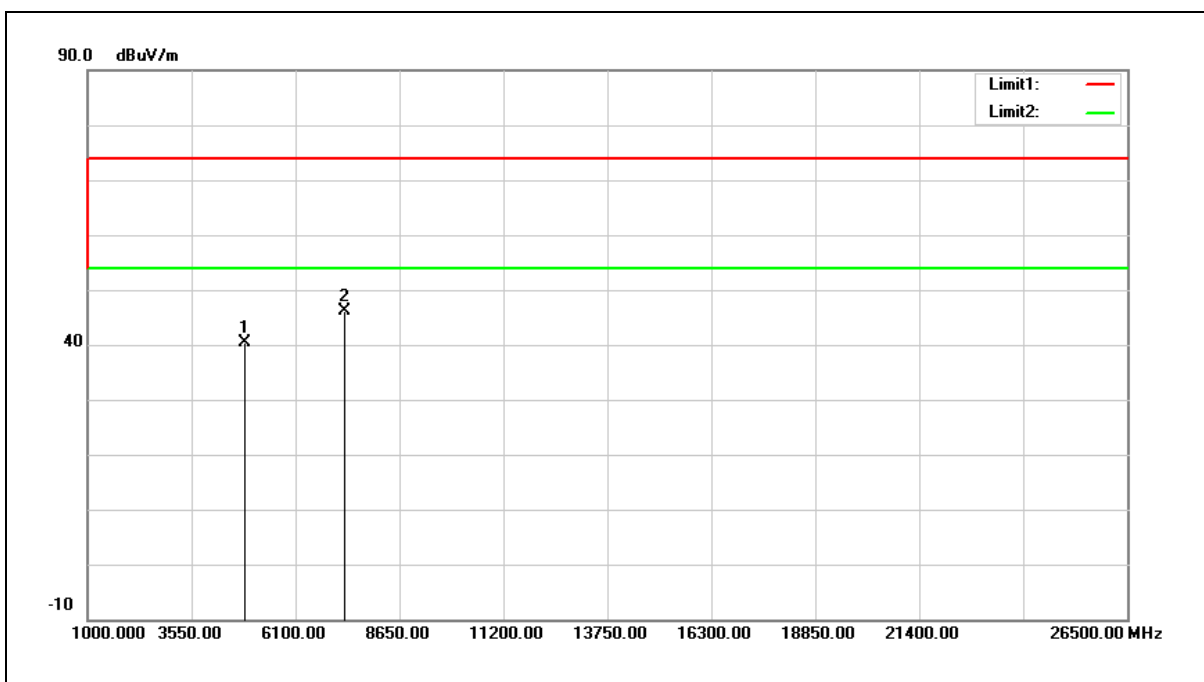
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

Example: $41.72 = 5.97 + 35.75$.

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



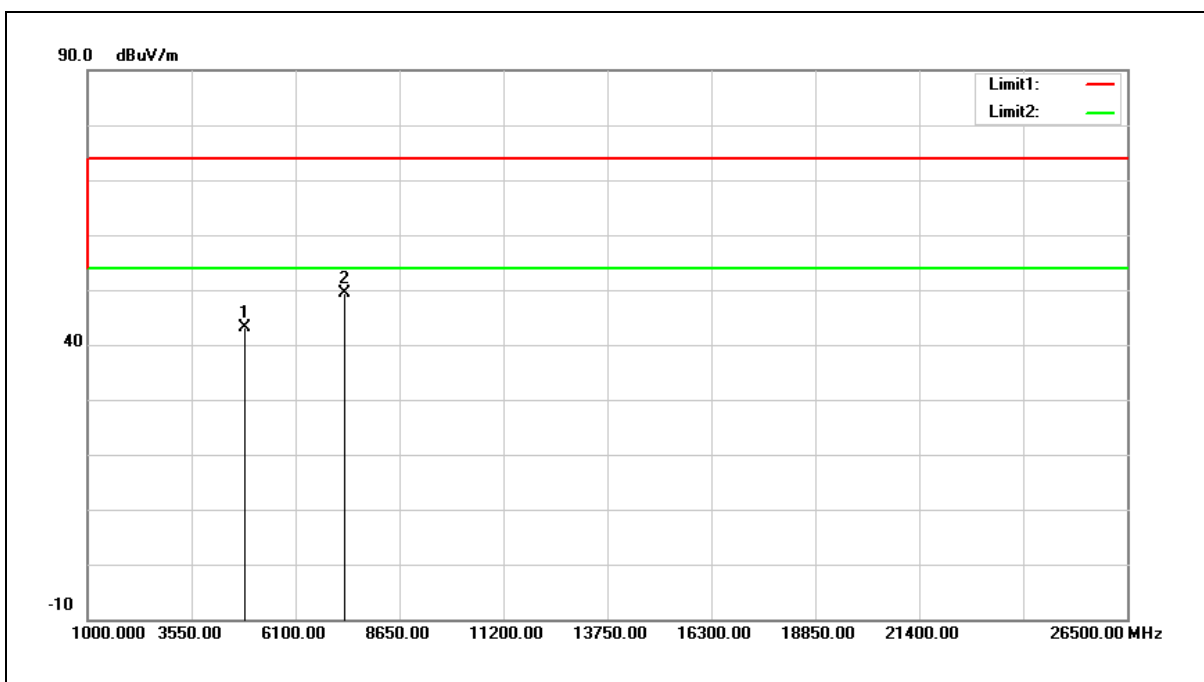
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.20	6.12	40.32	74.00	-33.68	peak
2	7311.000	33.50	12.73	46.23	74.00	-27.77	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



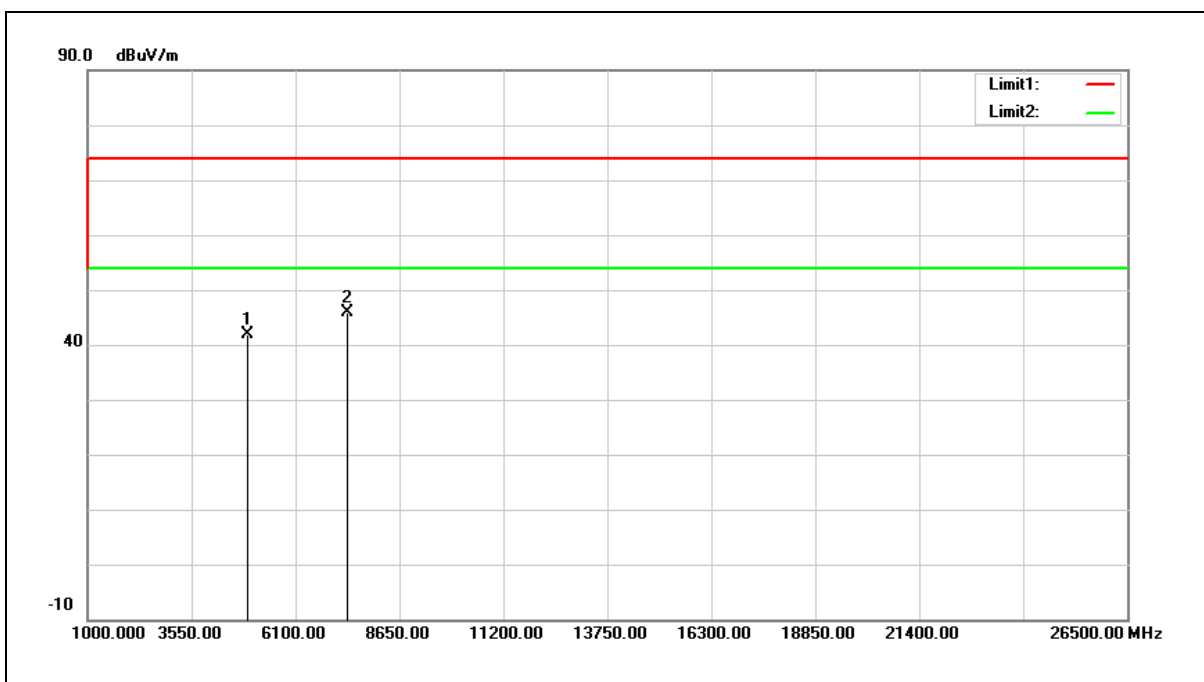
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	37.05	6.12	43.17	74.00	-30.83	peak
2	7311.000	36.70	12.73	49.43	74.00	-24.57	peak

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

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

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

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



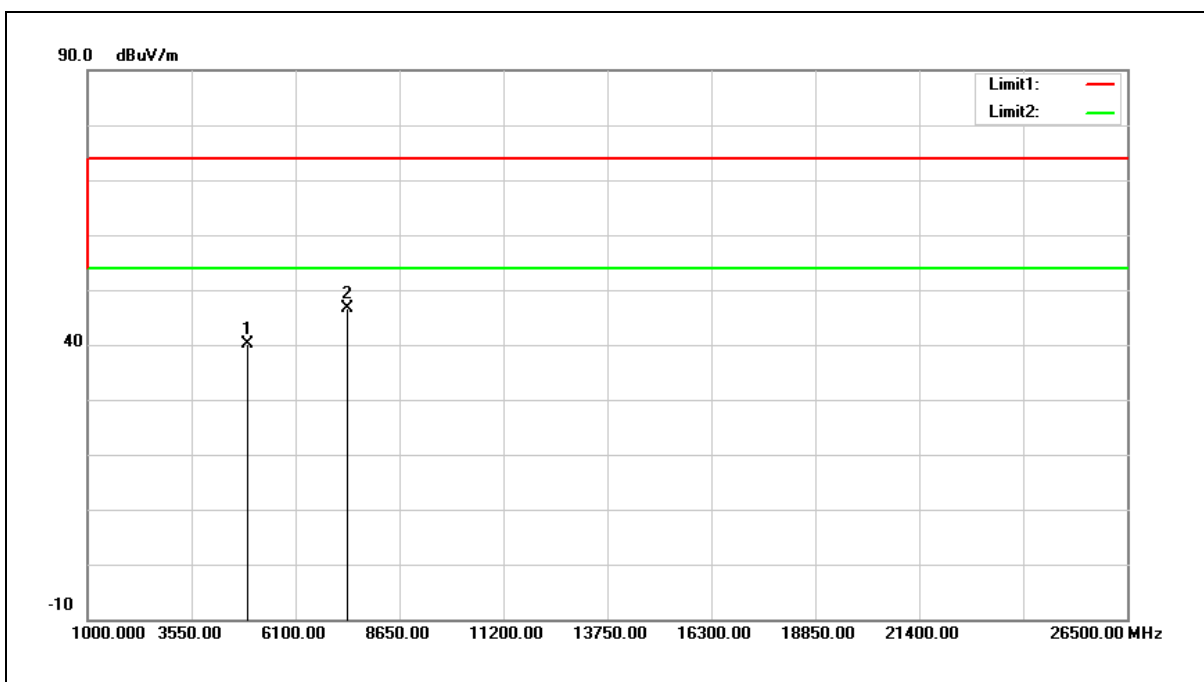
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	35.56	6.28	41.84	74.00	-32.16	peak
2	7386.000	32.96	12.99	45.95	74.00	-28.05	peak

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

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

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

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



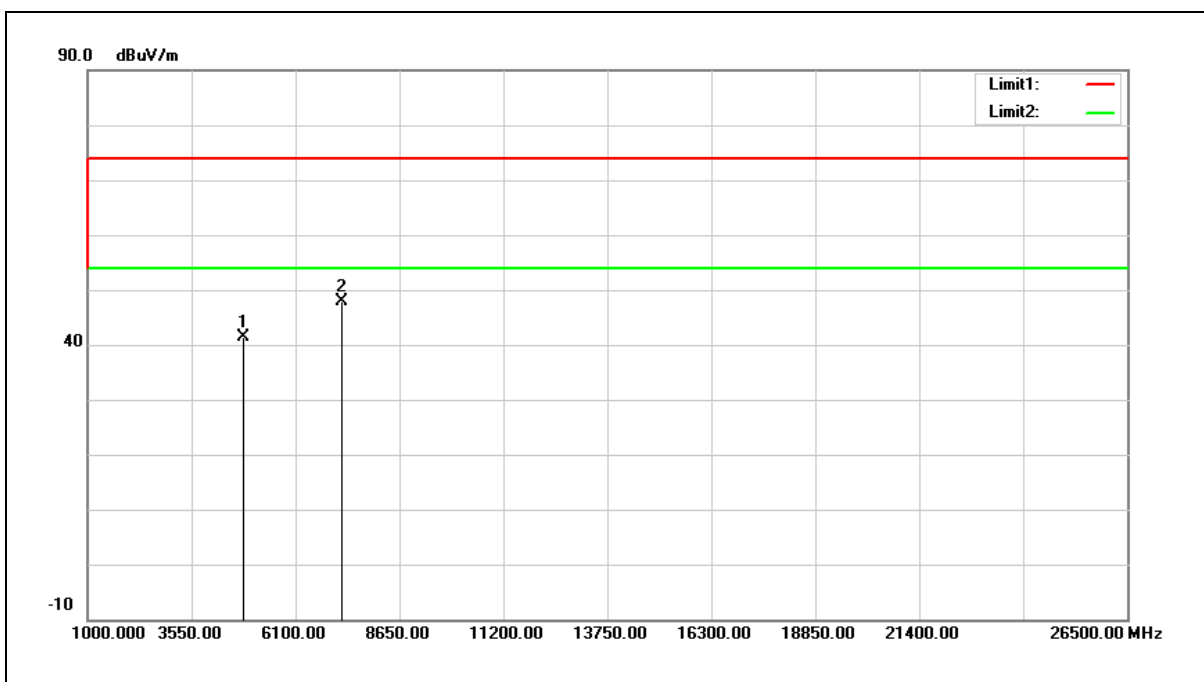
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	33.91	6.28	40.19	74.00	-33.81	peak
2	7386.000	33.73	12.99	46.72	74.00	-27.28	peak

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

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

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

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



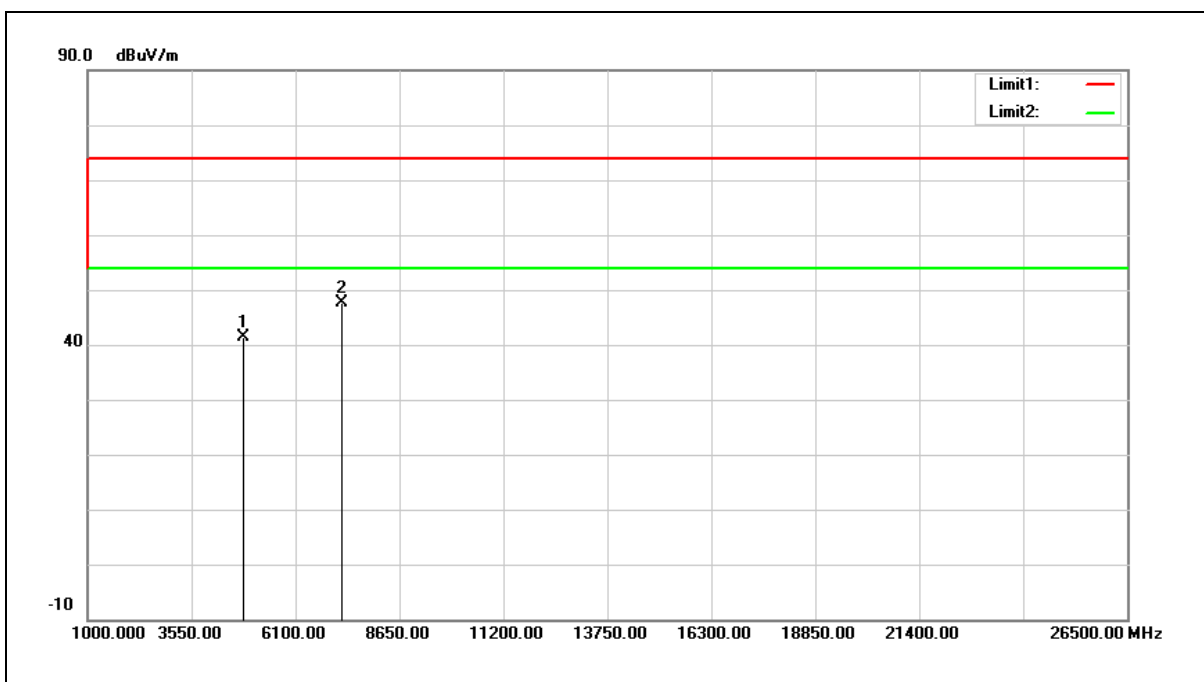
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	35.48	5.97	41.45	74.00	-32.55	peak
2	7236.000	35.37	12.48	47.85	74.00	-26.15	peak

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

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

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

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



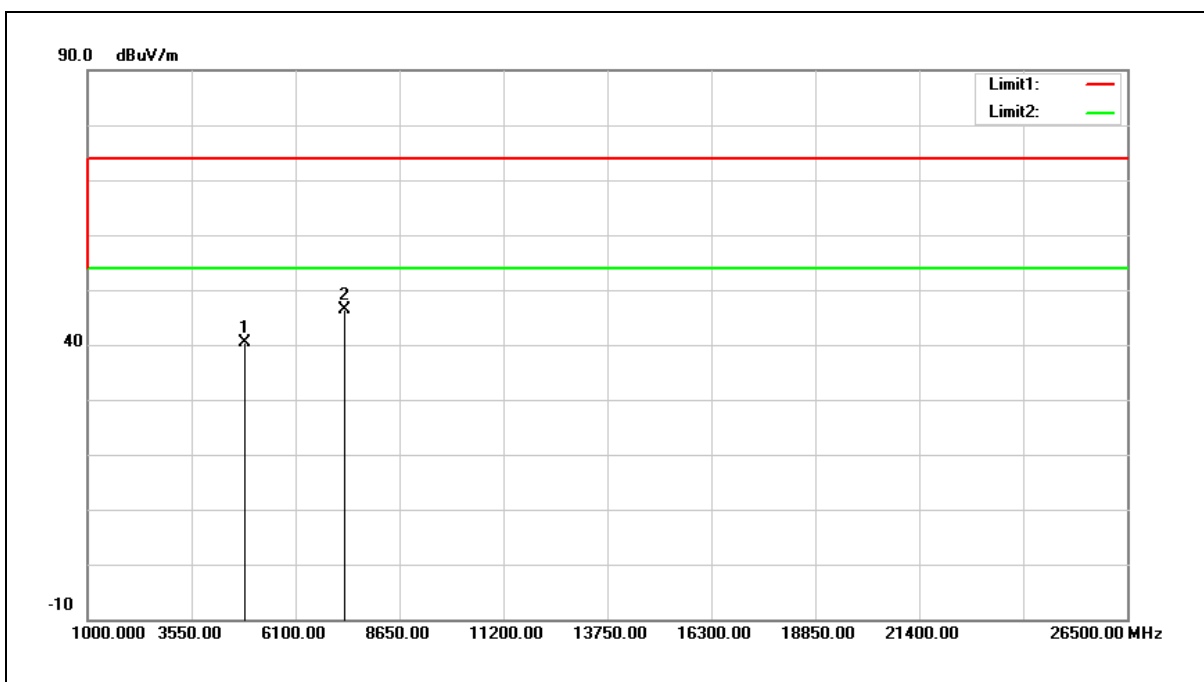
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	35.42	5.97	41.39	74.00	-32.61	peak
2	7236.000	35.11	12.48	47.59	74.00	-26.41	peak

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:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



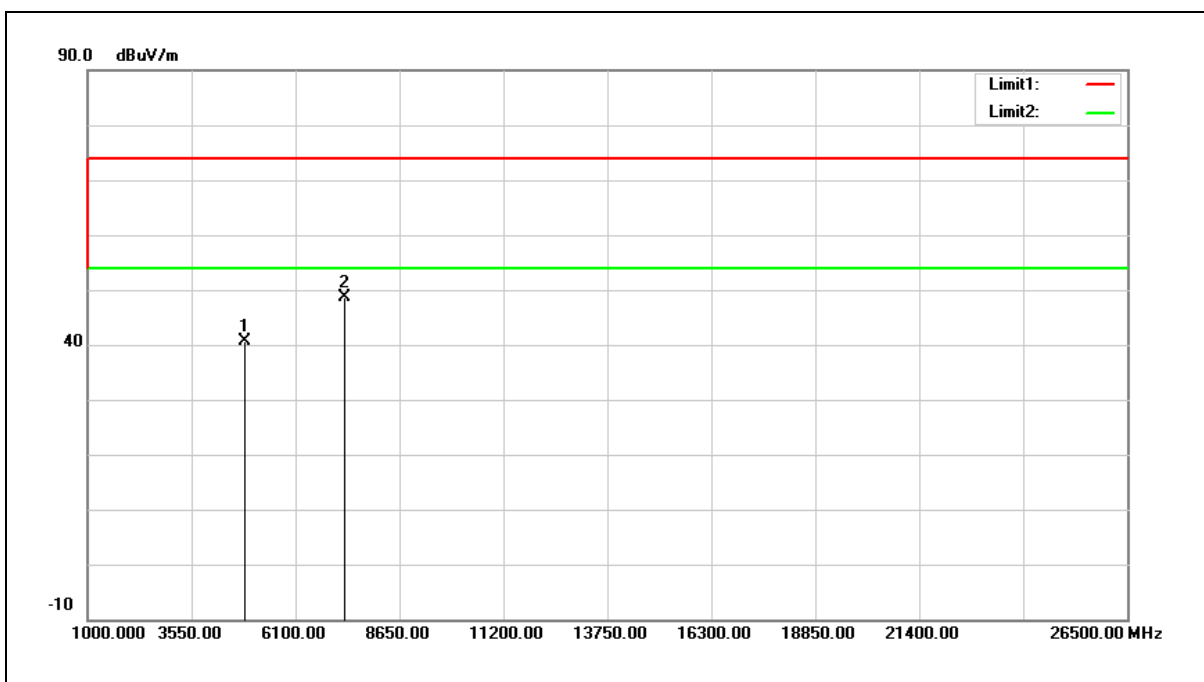
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.16	6.12	40.28	74.00	-33.72	peak
2	7311.000	33.64	12.73	46.37	74.00	-27.63	peak

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



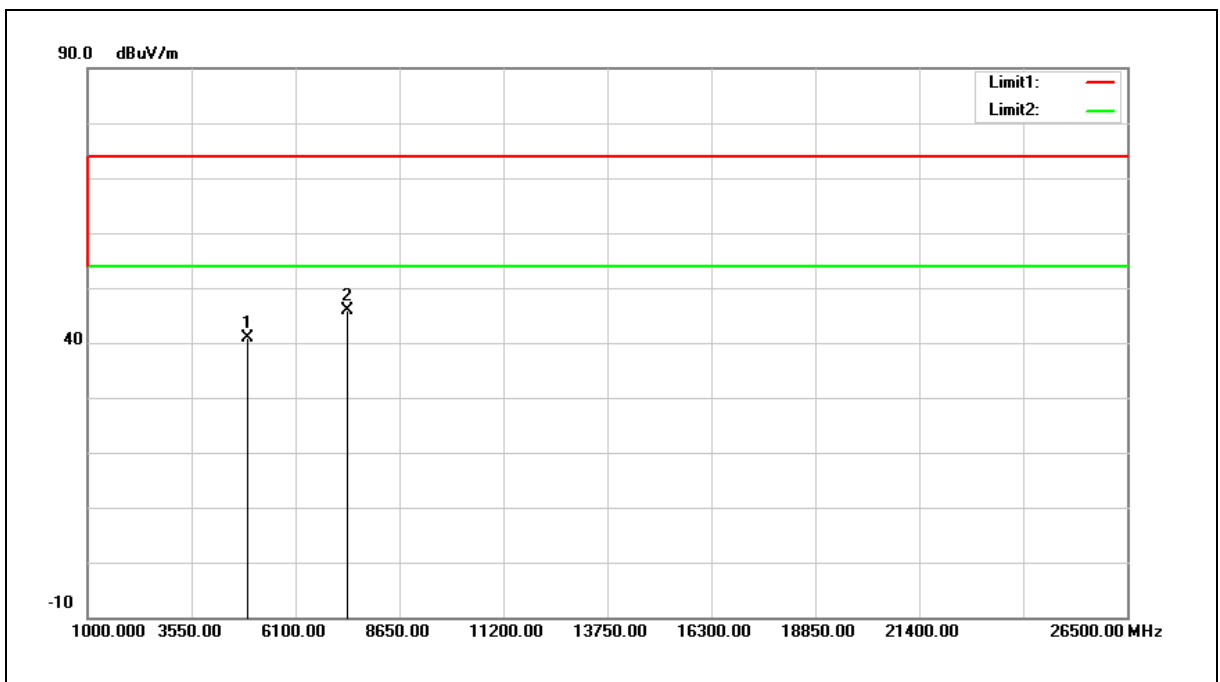
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.57	6.12	40.69	74.00	-33.31	peak
2	7311.000	35.93	12.73	48.66	74.00	-25.34	peak

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

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

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

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



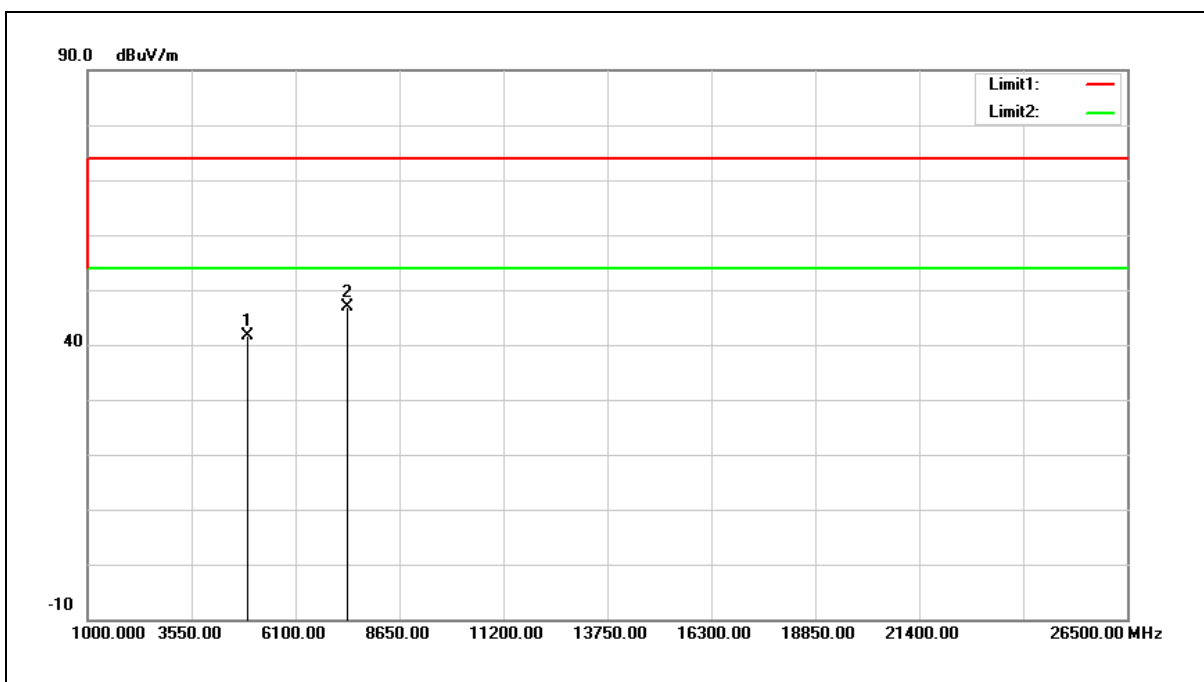
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	34.52	6.28	40.80	74.00	-33.20	peak
2	7386.000	32.80	12.99	45.79	74.00	-28.21	peak

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.

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



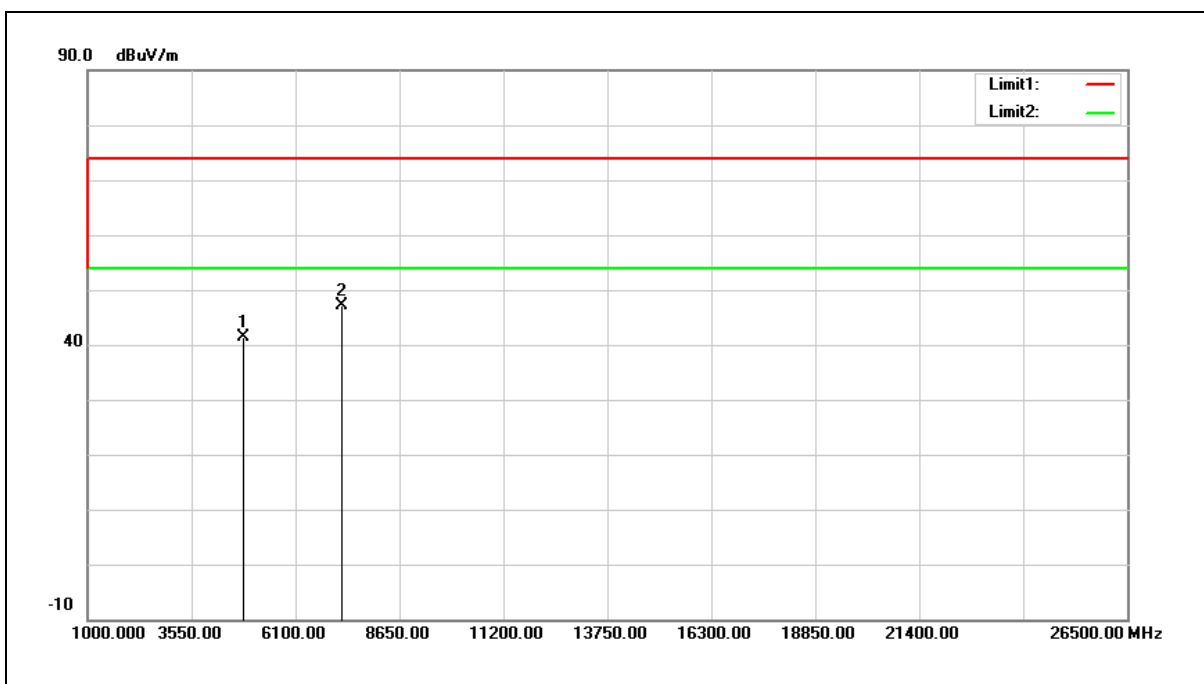
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	35.36	6.28	41.64	74.00	-32.36	peak
2	7386.000	33.89	12.99	46.88	74.00	-27.12	peak

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

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

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

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



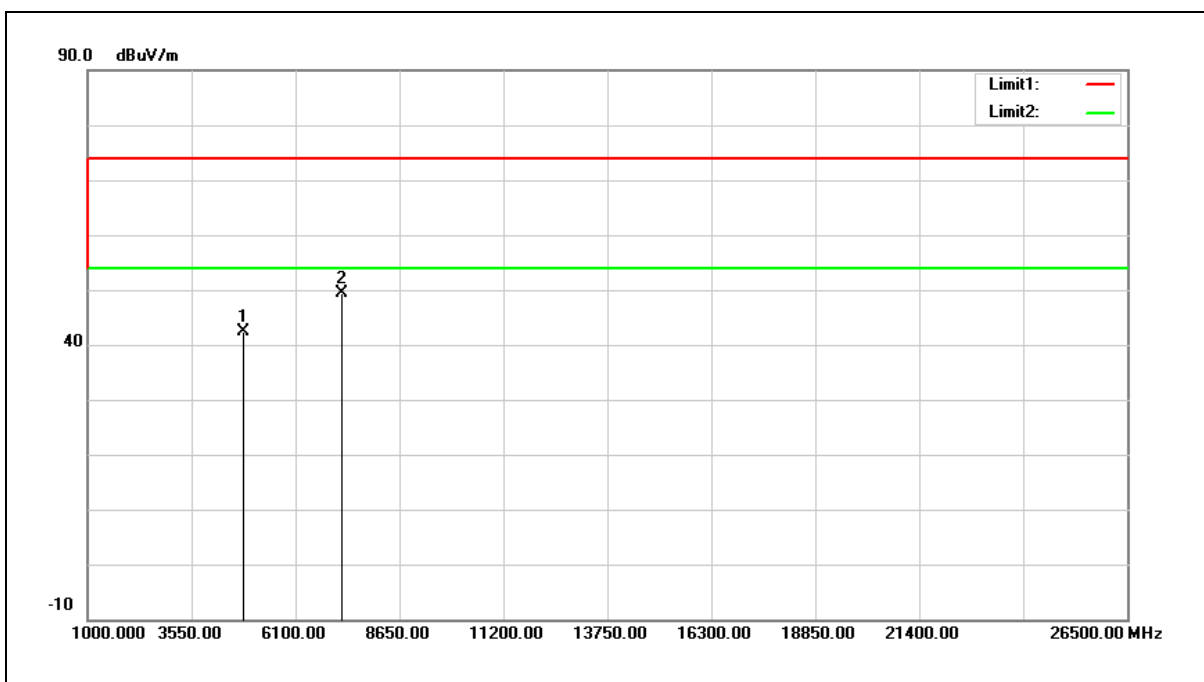
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	35.44	5.97	41.41	74.00	-32.59	peak
2	7236.000	34.75	12.48	47.23	74.00	-26.77	peak

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

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

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

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



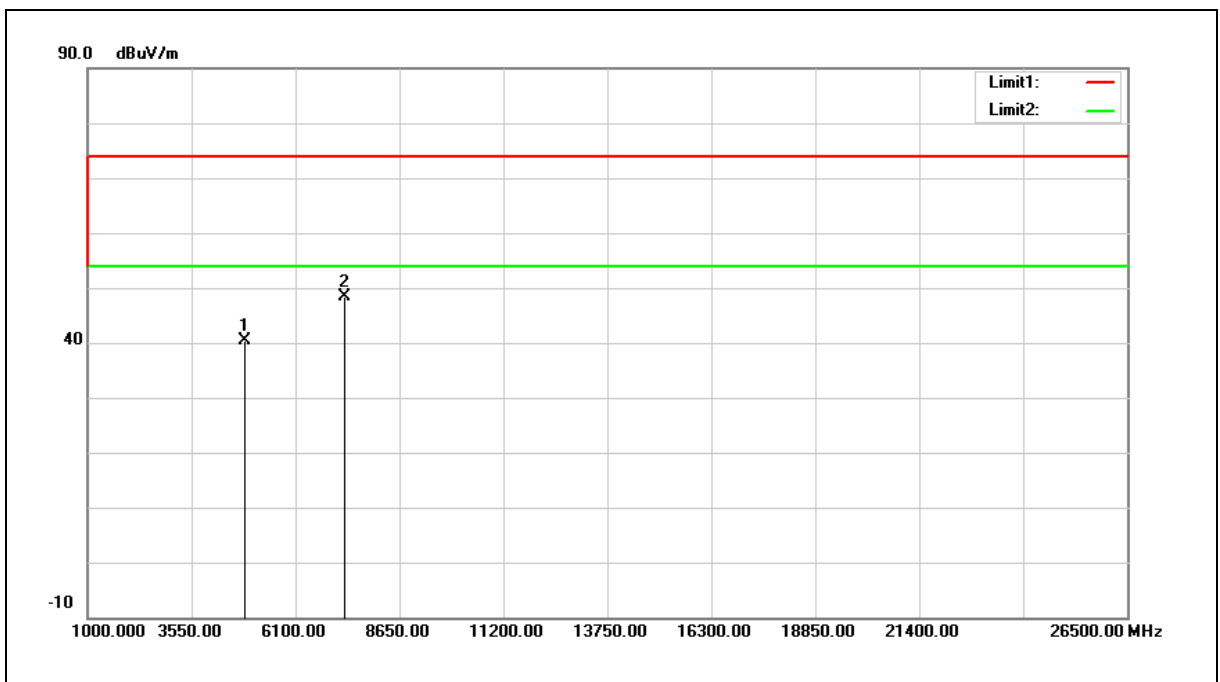
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	36.49	5.97	42.46	74.00	-31.54	peak
2	7236.000	36.93	12.48	49.41	74.00	-24.59	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



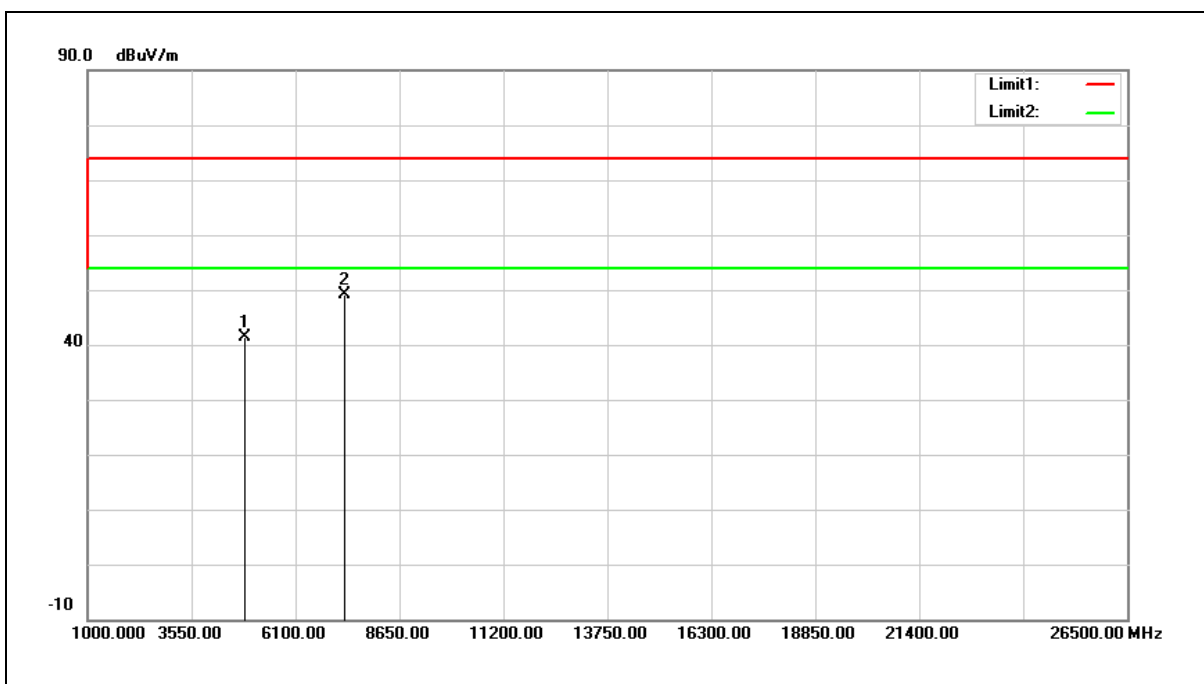
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.26	6.12	40.38	74.00	-33.62	peak
2	7311.000	35.69	12.73	48.42	74.00	-25.58	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



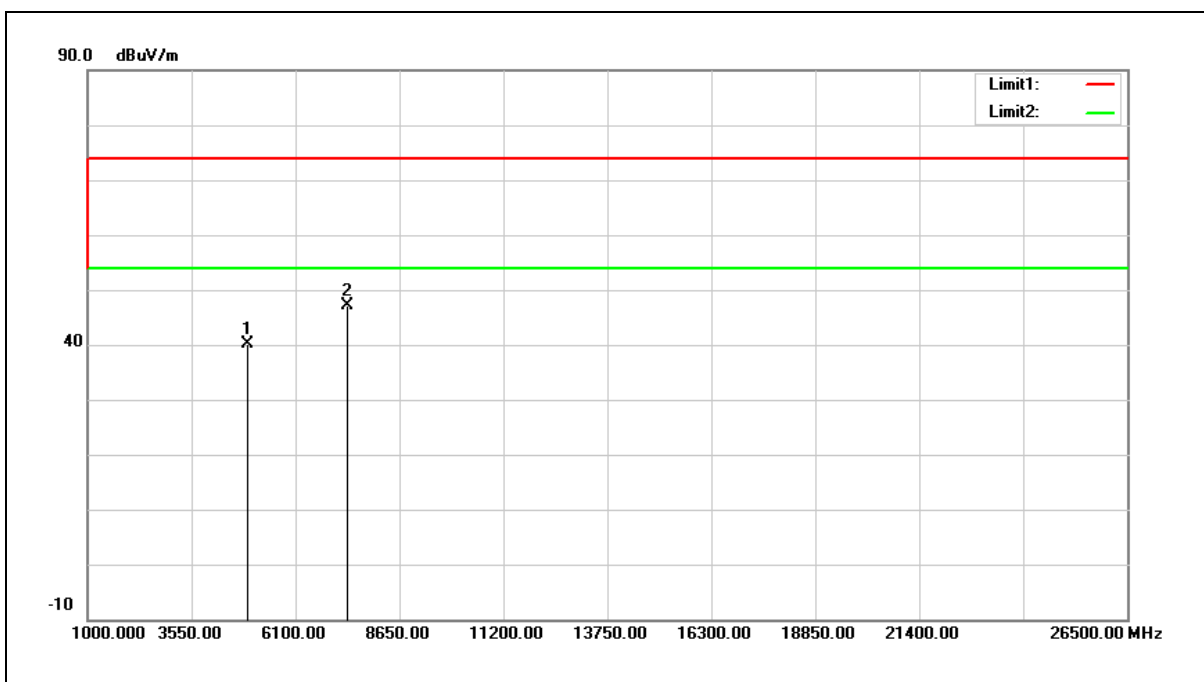
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	35.27	6.12	41.39	74.00	-32.61	peak
2	7311.000	36.33	12.73	49.06	74.00	-24.94	peak

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:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



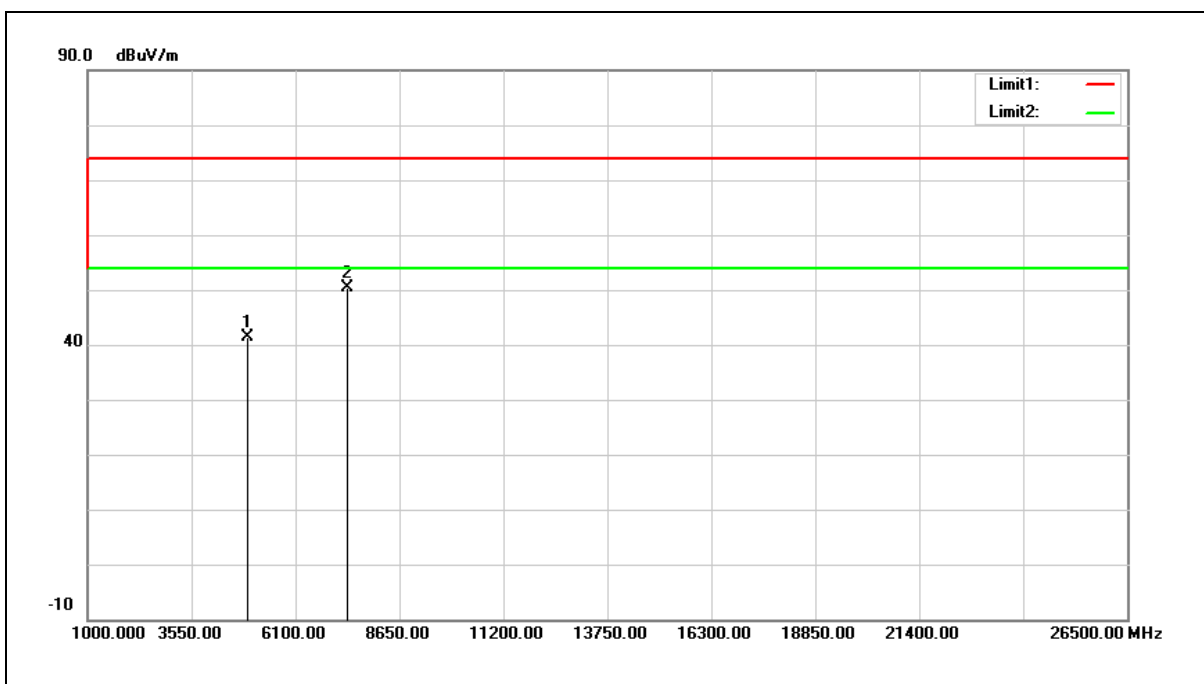
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	33.86	6.28	40.14	74.00	-33.86	peak
2	7386.000	34.20	12.99	47.19	74.00	-26.81	peak

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

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

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

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



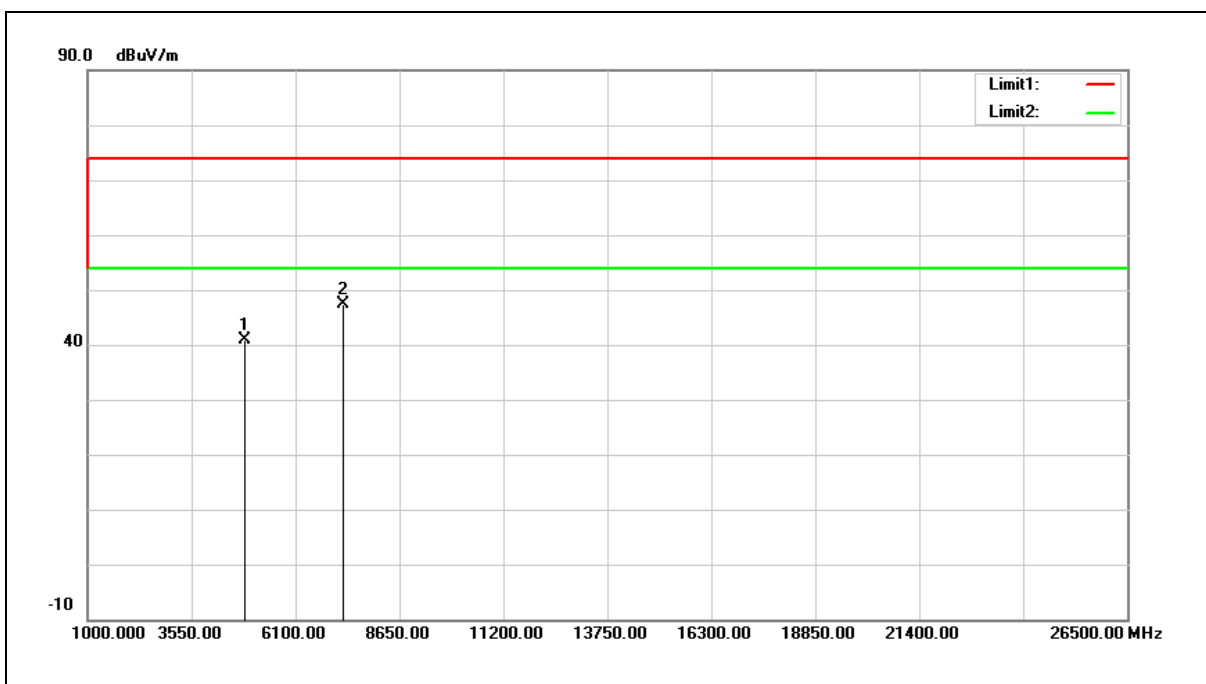
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	35.18	6.28	41.46	74.00	-32.54	peak
2	7386.000	37.27	12.99	50.26	74.00	-23.74	peak

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

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

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

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



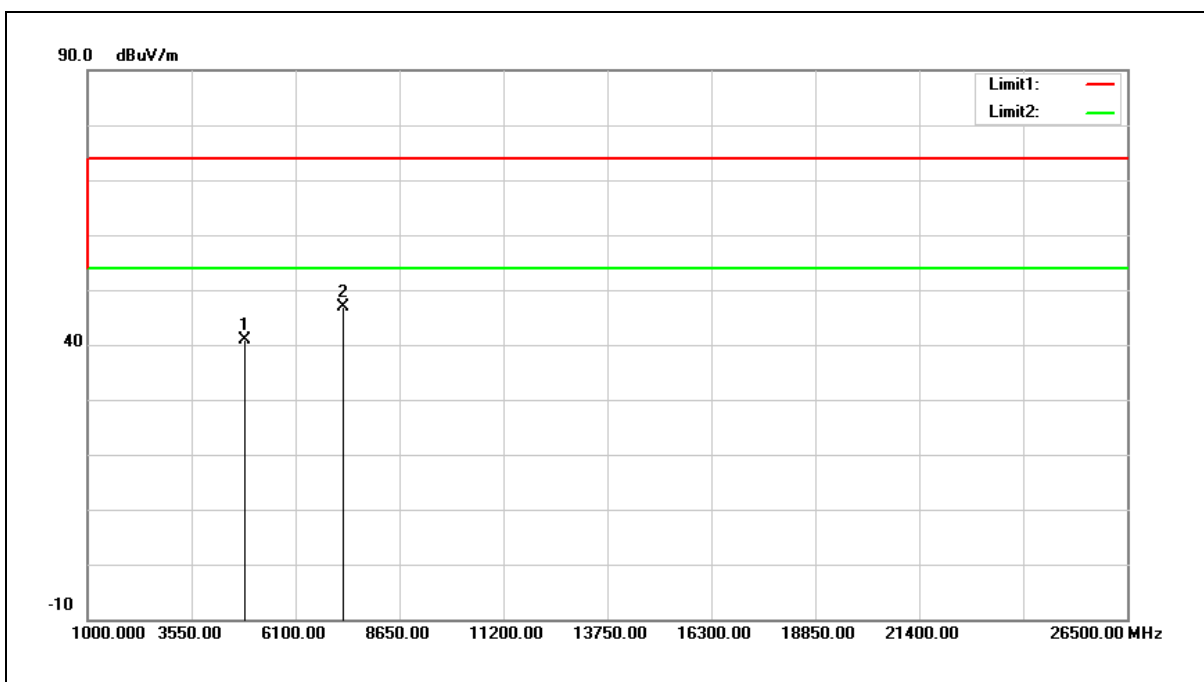
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	34.84	6.04	40.88	74.00	-33.12	peak
2	7266.000	34.89	12.59	47.48	74.00	-26.52	peak

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

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

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

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



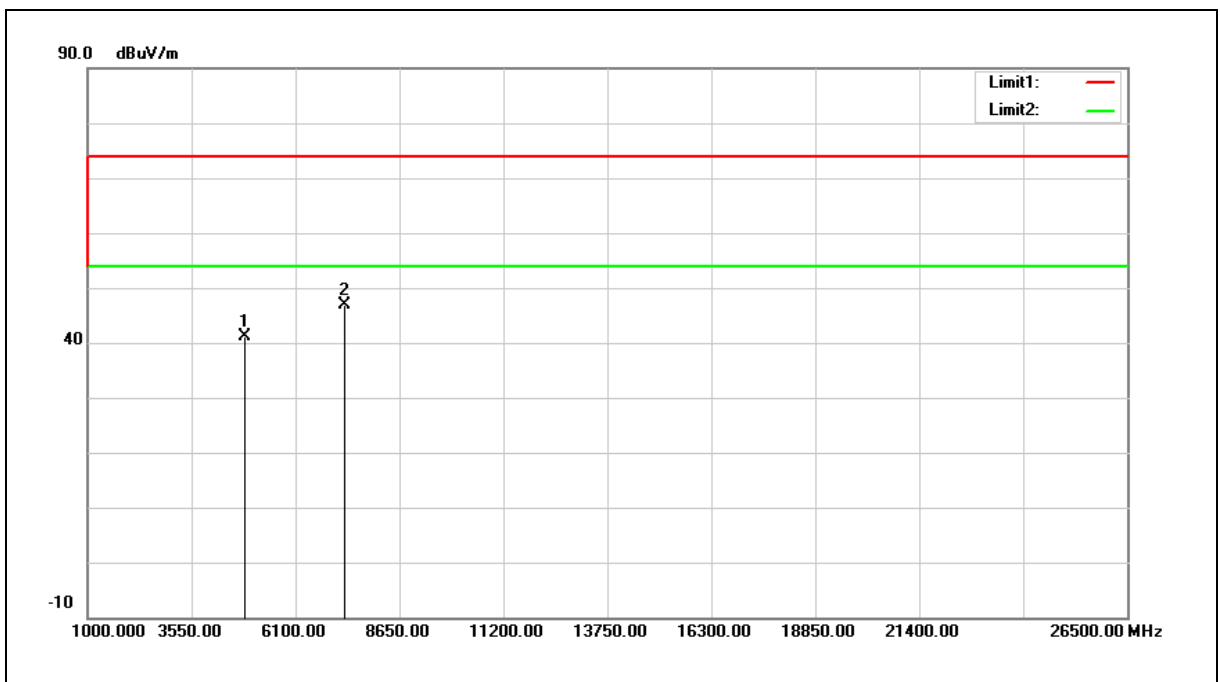
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	34.77	6.04	40.81	74.00	-33.19	peak
2	7266.000	34.31	12.59	46.90	74.00	-27.10	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



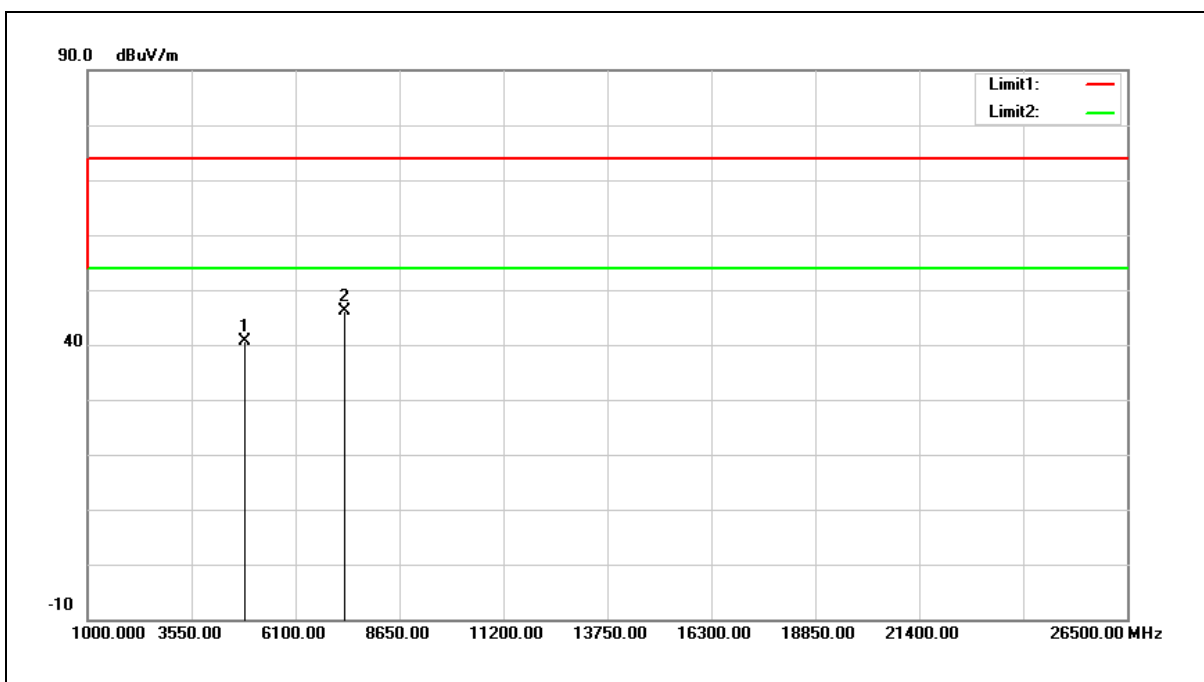
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	35.02	6.12	41.14	74.00	-32.86	peak
2	7311.000	34.07	12.73	46.80	74.00	-27.20	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



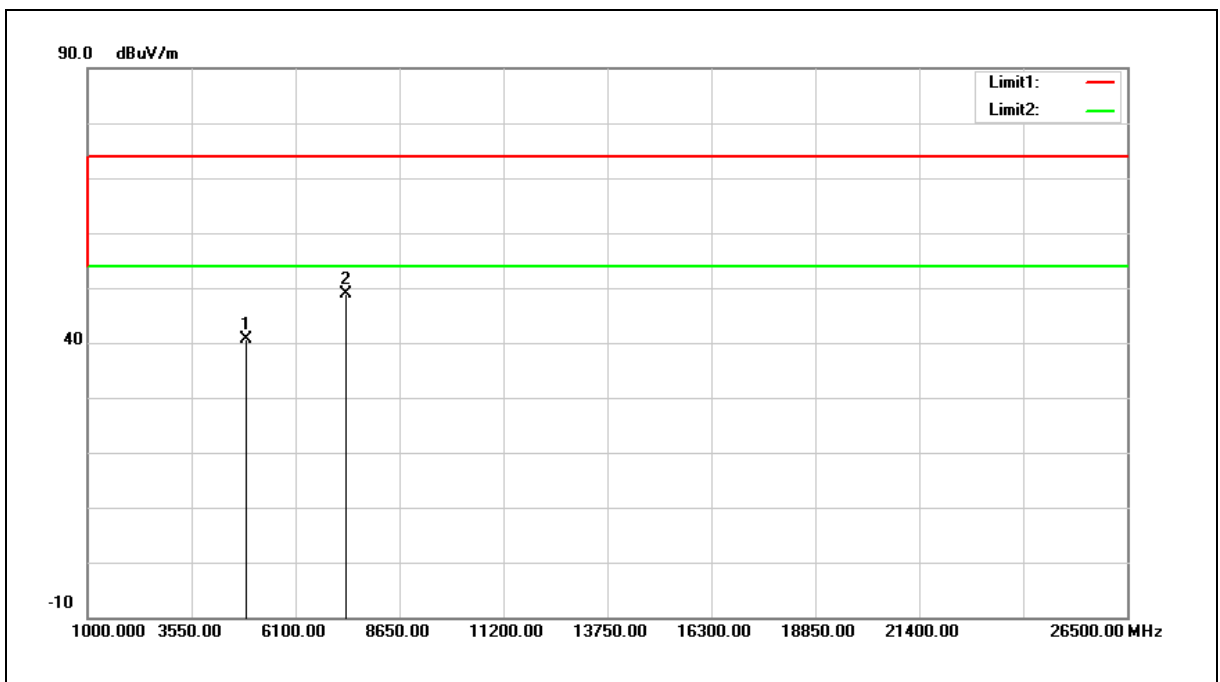
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.48	6.12	40.60	74.00	-33.40	peak
2	7311.000	33.40	12.73	46.13	74.00	-27.87	peak

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

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

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

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



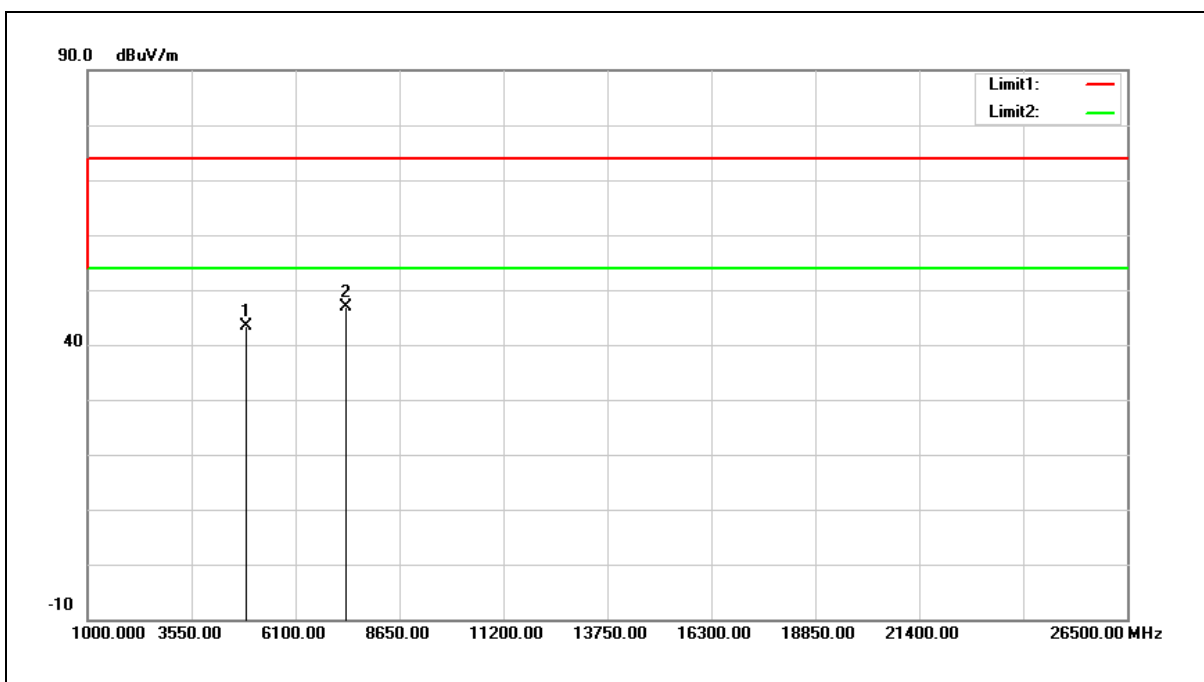
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	34.53	6.21	40.74	74.00	-33.26	peak
2	7356.000	36.06	12.89	48.95	74.00	-25.05	peak

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

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

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

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



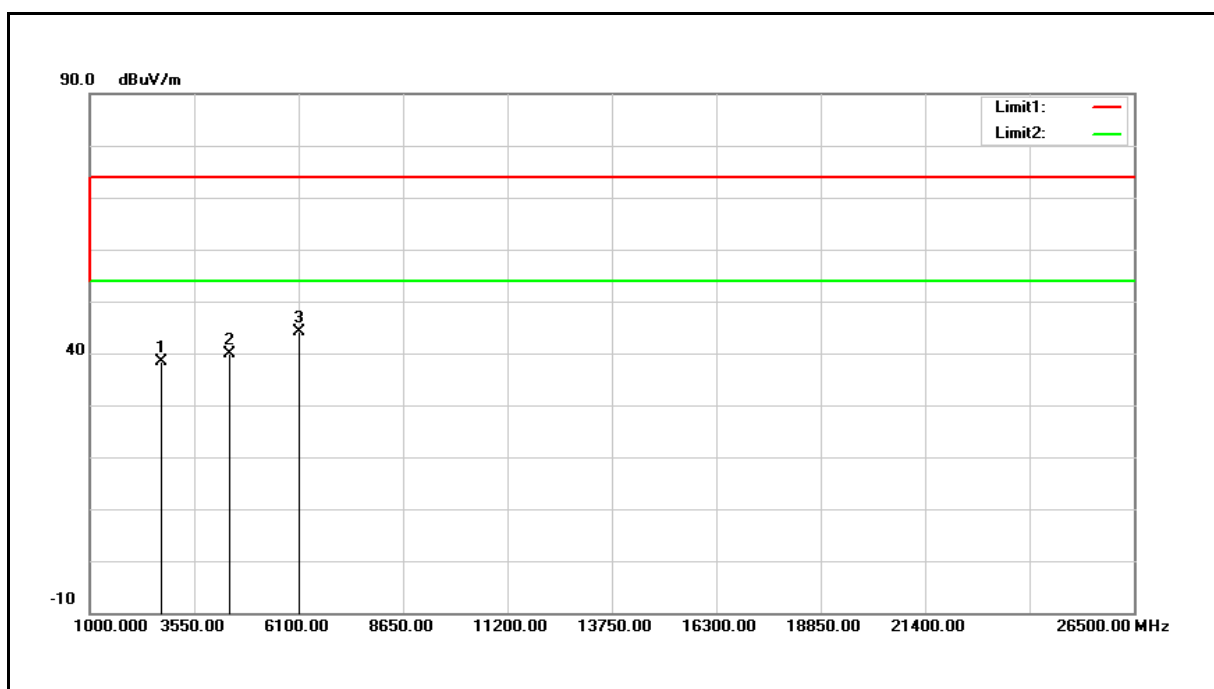
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	37.09	6.21	43.30	74.00	-30.70	peak
2	7356.000	34.07	12.89	46.96	74.00	-27.04	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Mode:	Simultaneous Transmitting (WLAN 2.4 +5 GHz)	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Ant.Polar.:	Horizontal		



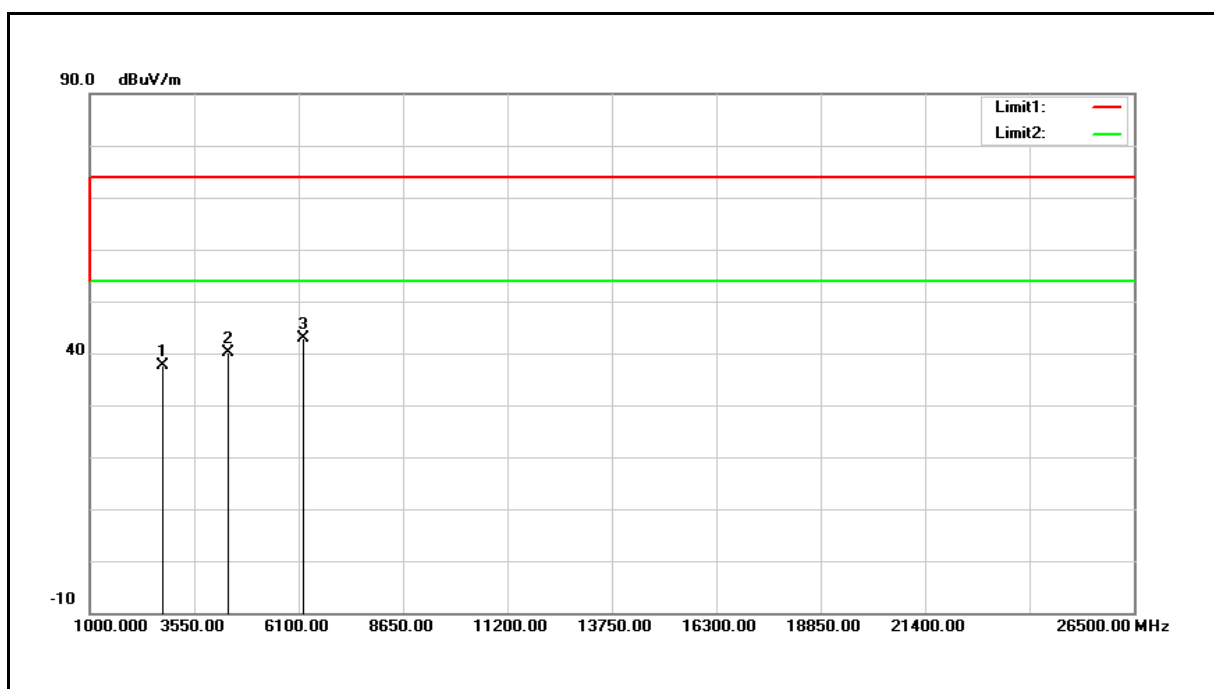
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2751.000	38.03	0.42	38.45	74.00	-35.55	peak
2	4417.000	35.15	4.83	39.98	74.00	-34.02	peak
3	6117.000	34.76	9.29	44.05	74.00	-29.95	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Mode:	Simultaneous Transmitting (WLAN 2.4 +5 GHz)	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Ant.Polar.:	Vertical		



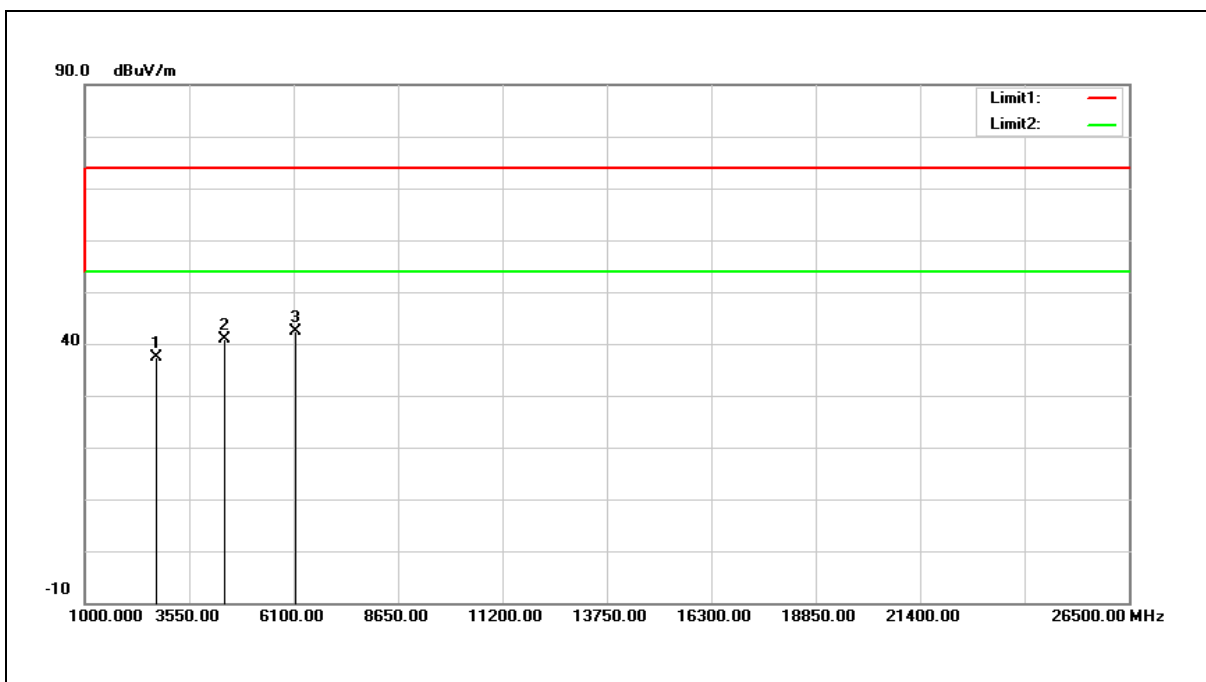
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2785.000	37.16	0.52	37.68	74.00	-36.32	peak
2	4366.000	35.32	4.73	40.05	74.00	-33.95	peak
3	6219.000	33.20	9.59	42.79	74.00	-31.21	peak

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.

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Mode:	Mode 12	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Ant.Polar.:	Horizontal		



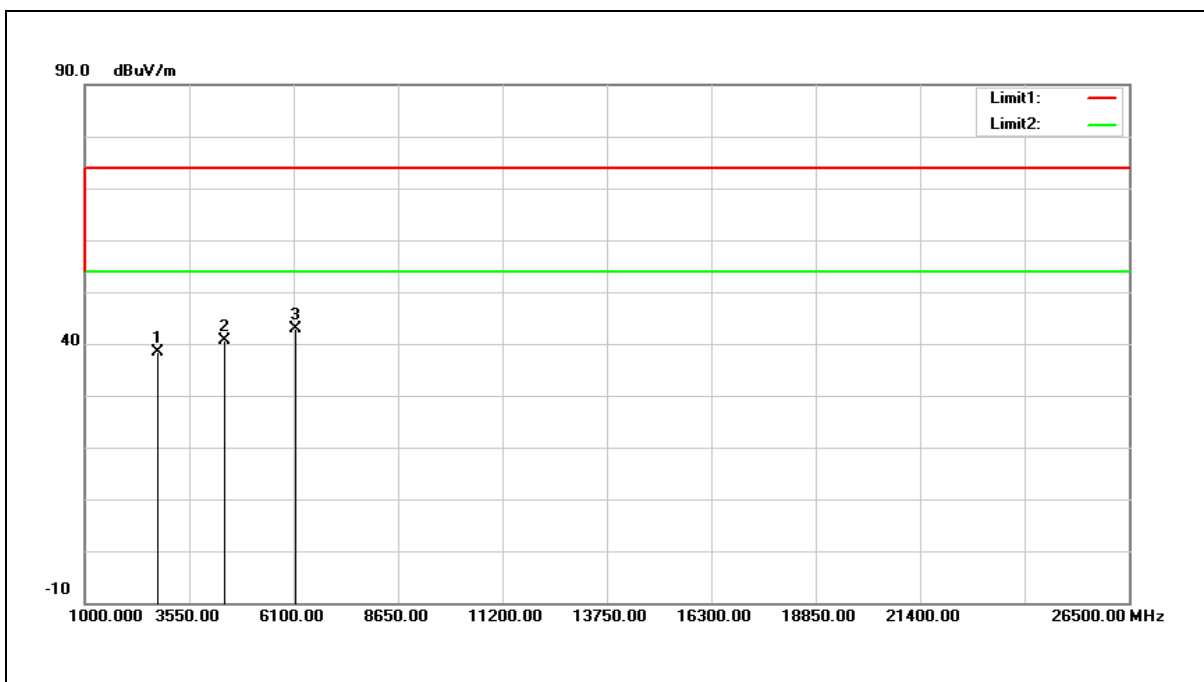
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2734.000	37.05	0.37	37.42	74.00	-36.58	peak
2	4417.000	36.15	4.83	40.98	74.00	-33.02	peak
3	6134.000	32.93	9.34	42.27	74.00	-31.73	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Mode:	Mode 12	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2785.000	37.82	0.52	38.34	74.00	-35.66	peak
2	4417.000	35.87	4.83	40.70	74.00	-33.30	peak
3	6151.000	33.48	9.38	42.86	74.00	-31.14	peak

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

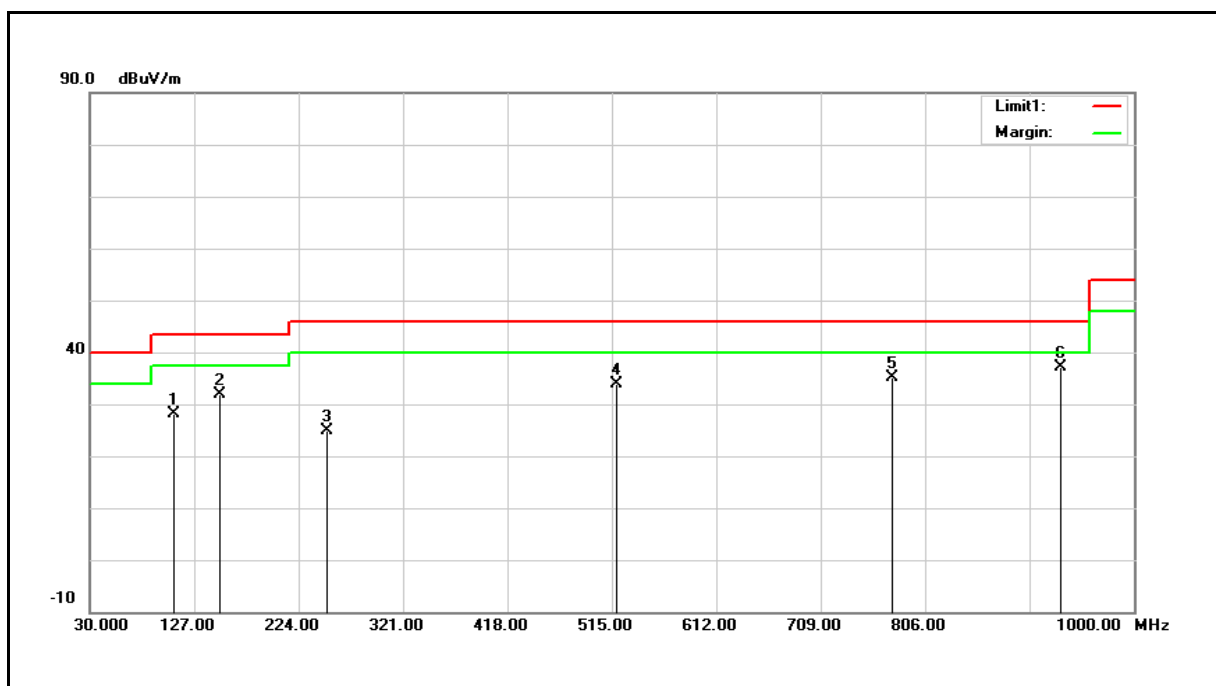
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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

Beamforming on

它不必要之訊號 (1 GHz 以下)

Standard:	LP0002	Test Distance:	3 m
Test item:	Radiated Emission	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	108.5700	37.54	-9.45	28.09	43.50	-15.41	QP
2	151.2500	37.55	-5.72	31.83	43.50	-11.67	QP
3	250.1900	30.76	-6.00	24.76	46.00	-21.24	QP
4	518.8800	33.55	0.31	33.86	46.00	-12.14	QP
5	775.9300	29.65	5.53	35.18	46.00	-10.82	QP
6	932.1000	28.55	8.54	37.09	46.00	-8.91	QP

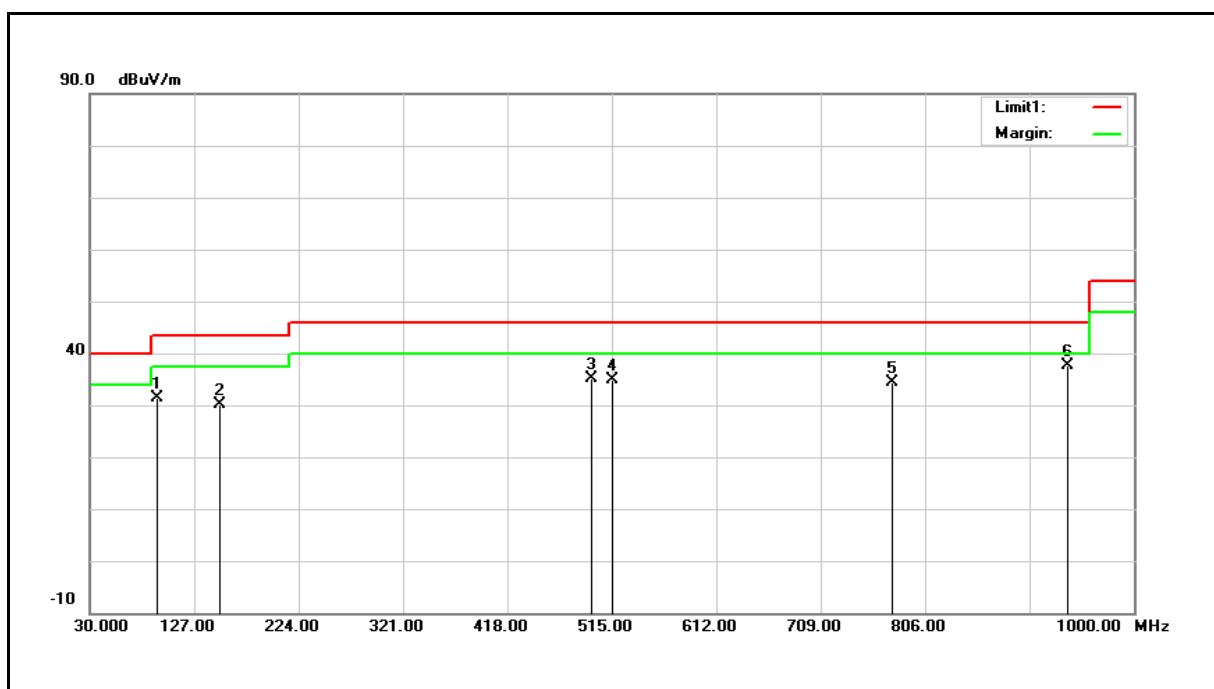
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

Example: 28.09 = -9.45 + 37.54.

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Radiated Emission	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	93.0500	43.09	-11.67	31.42	43.50	-12.08	QP
2	151.2500	35.79	-5.72	30.07	43.50	-13.43	QP
3	495.6000	35.33	-0.19	35.14	46.00	-10.86	QP
4	515.9700	34.54	0.24	34.78	46.00	-11.22	QP
5	775.9300	28.84	5.53	34.37	46.00	-11.63	QP
6	938.8900	28.81	8.73	37.54	46.00	-8.46	QP

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

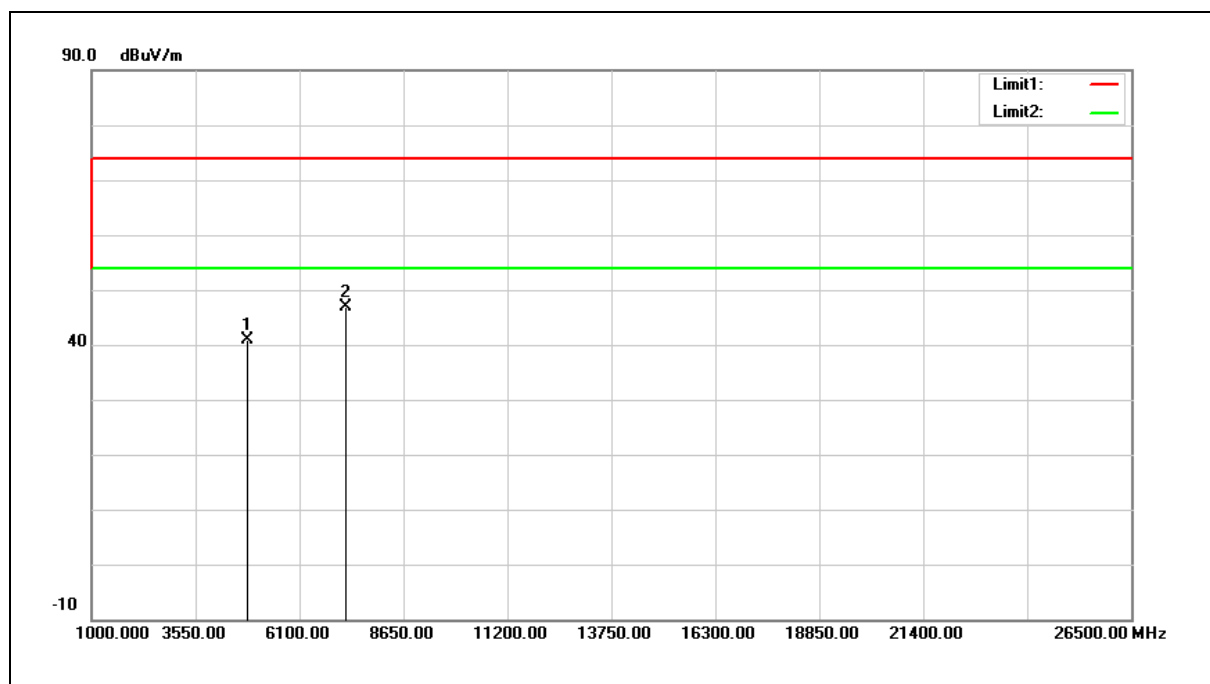
Example: $31.42 = -11.67 + 43.09$.

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

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

場強輻射量側 (1 GHz 以上)

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	35.01	5.97	40.98	74.00	-33.02	peak
2	7236.000	34.35	12.48	46.83	74.00	-27.17	peak

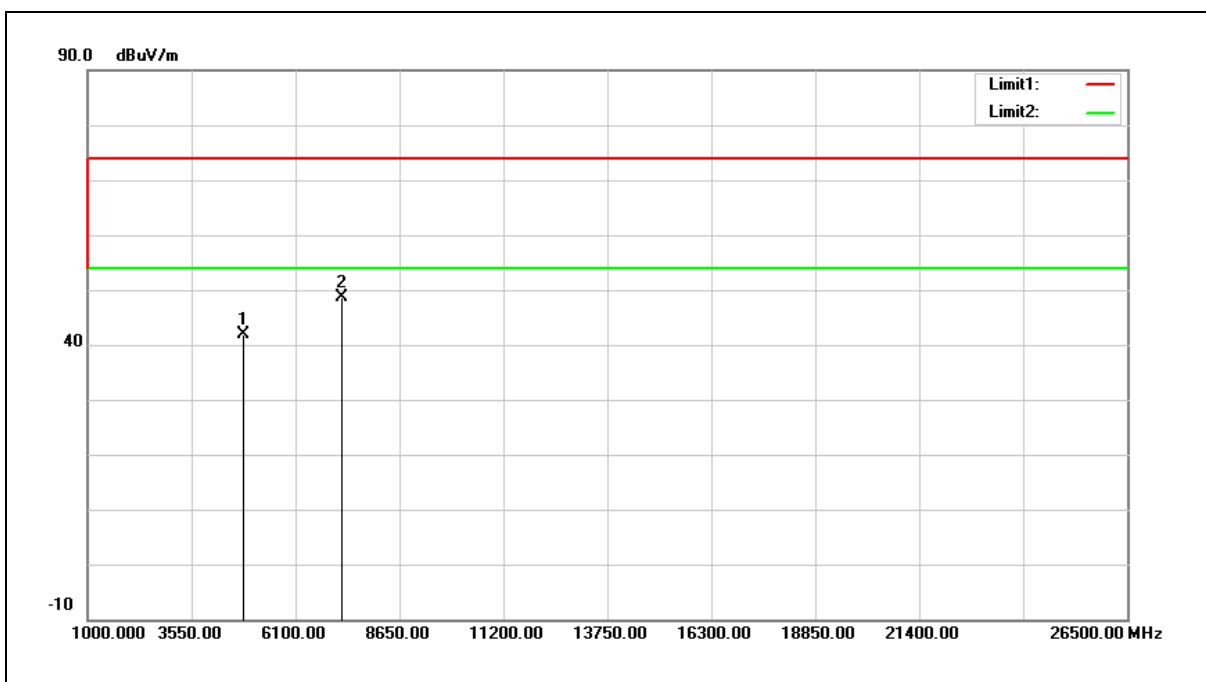
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: $40.98 = 5.97 + 35.01$.

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	35.97	5.97	41.94	74.00	-32.06	peak
2	7236.000	36.20	12.48	48.68	74.00	-25.32	peak

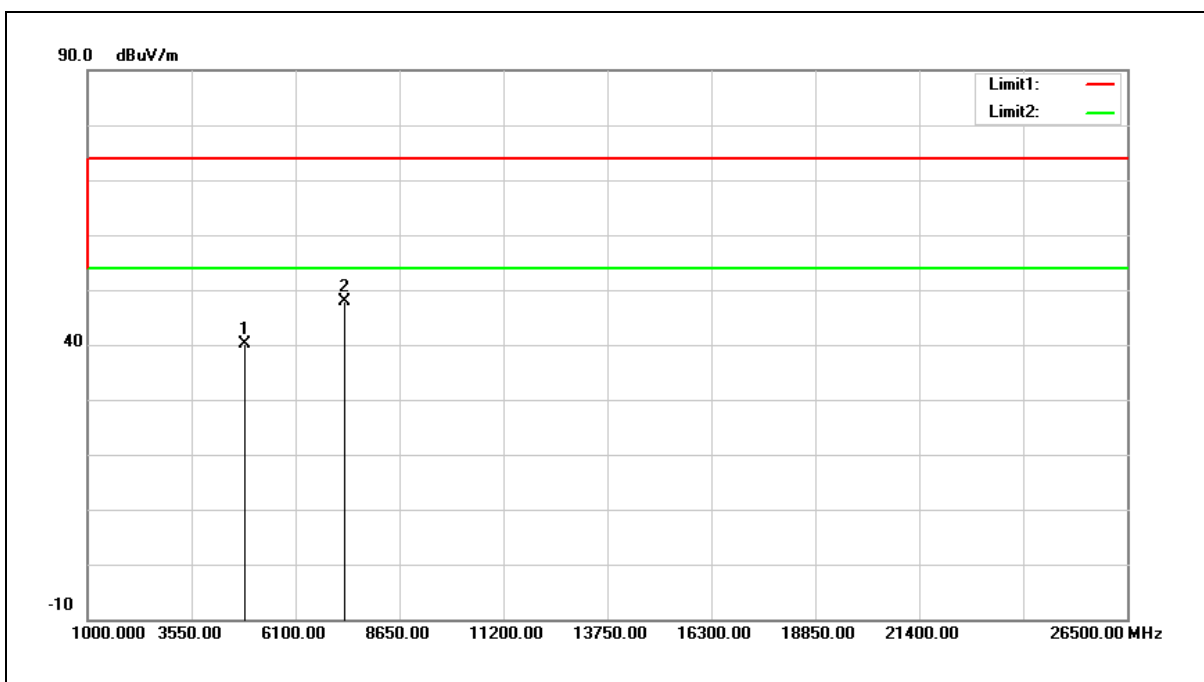
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

Example: $41.94 = 5.97 + 35.97$.

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



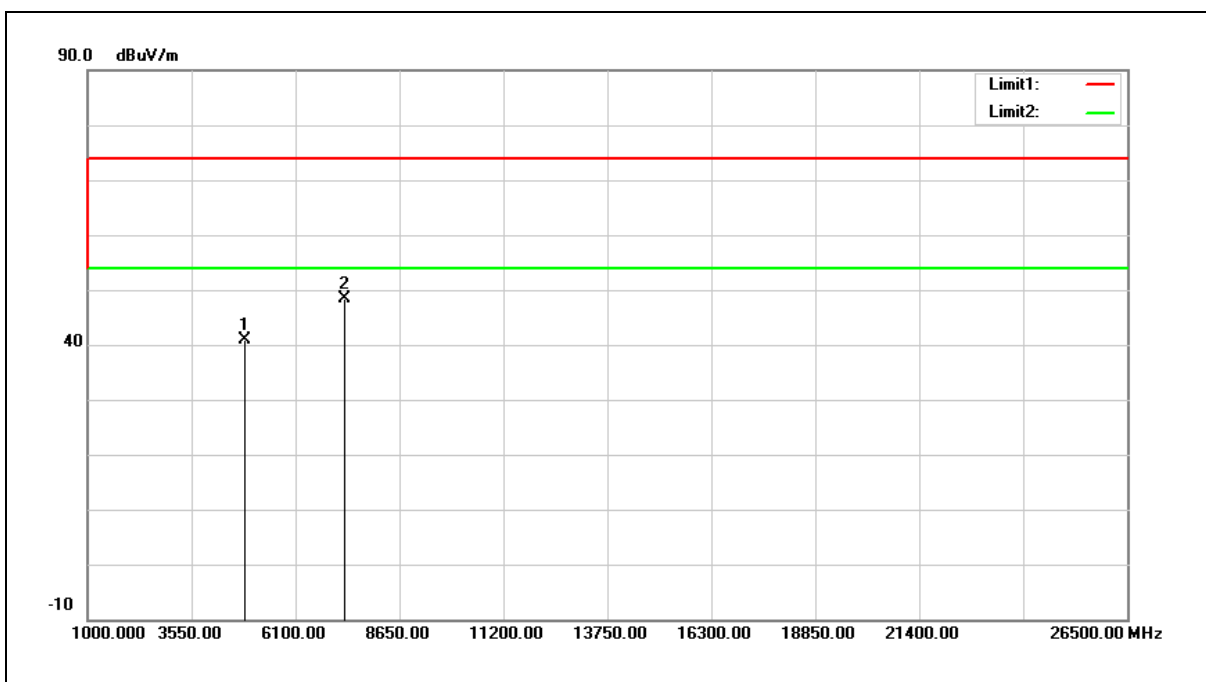
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	33.93	6.12	40.05	74.00	-33.95	peak
2	7311.000	35.25	12.73	47.98	74.00	-26.02	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



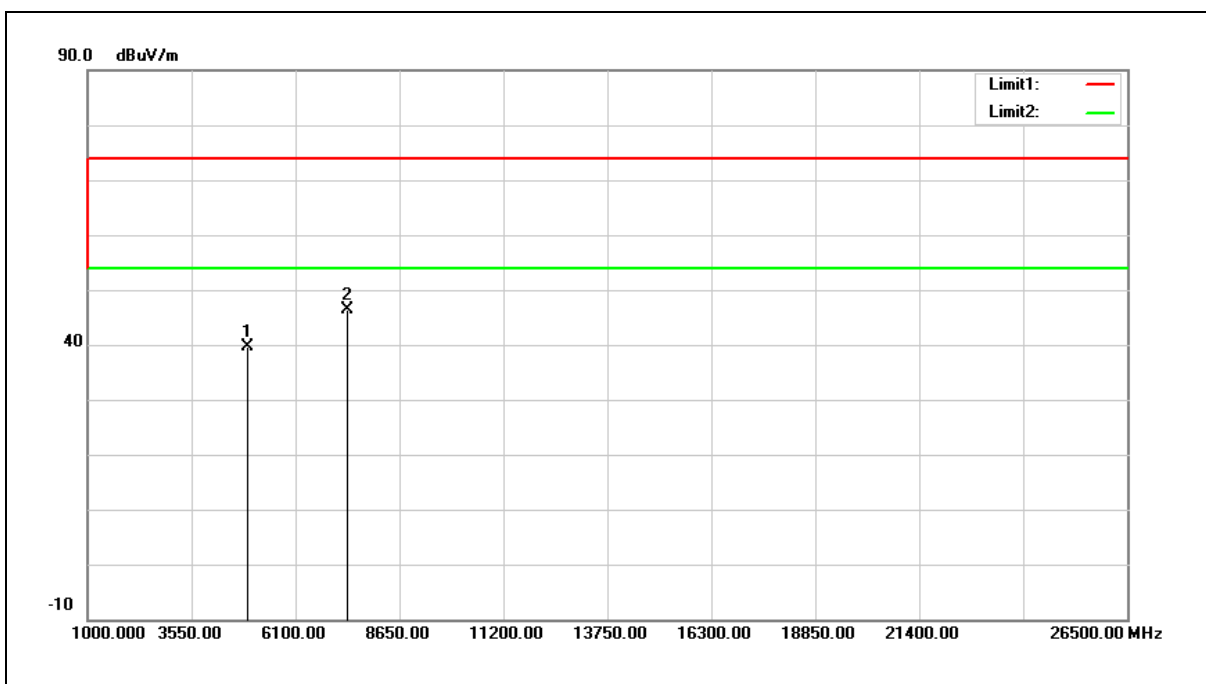
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.80	6.12	40.92	74.00	-33.08	peak
2	7311.000	35.69	12.73	48.42	74.00	-25.58	peak

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

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

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

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



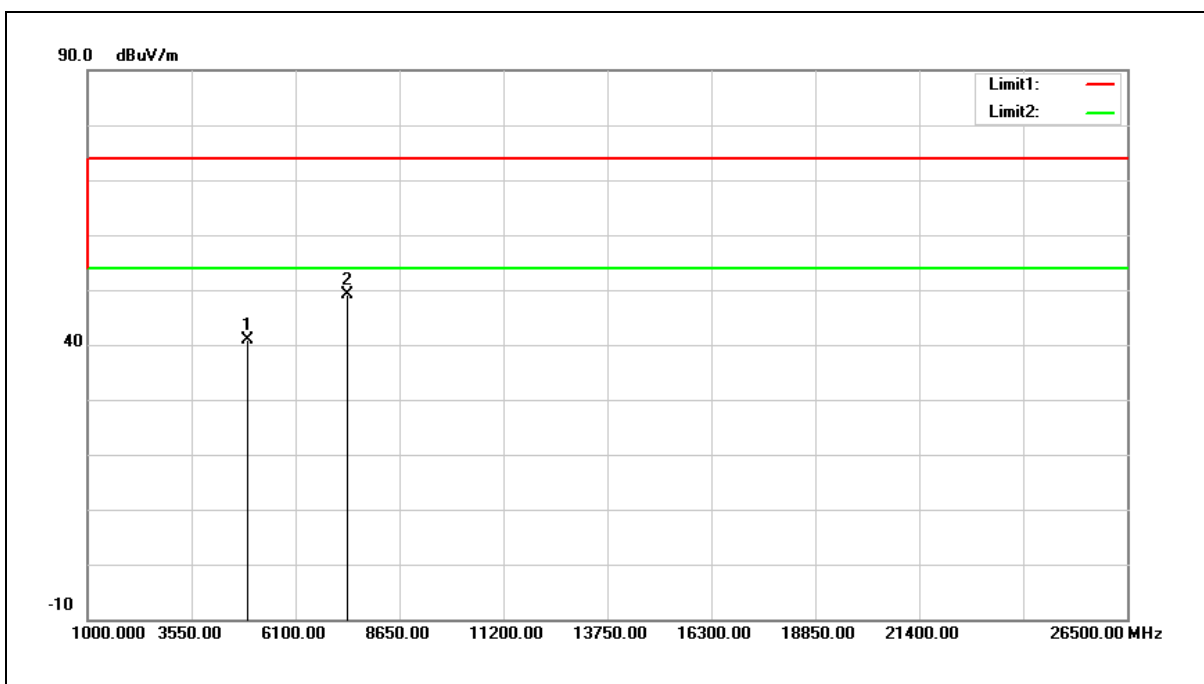
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	33.40	6.28	39.68	74.00	-34.32	peak
2	7386.000	33.38	12.99	46.37	74.00	-27.63	peak

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



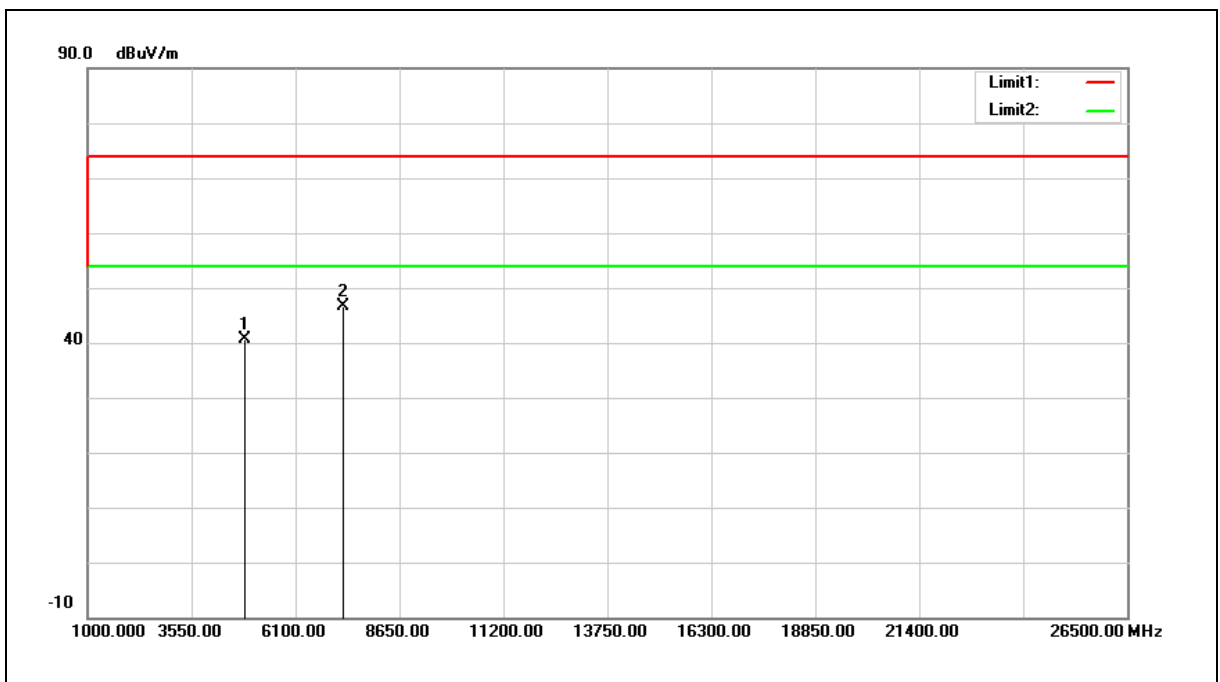
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	34.71	6.28	40.99	74.00	-33.01	peak
2	7386.000	36.19	12.99	49.18	74.00	-24.82	peak

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



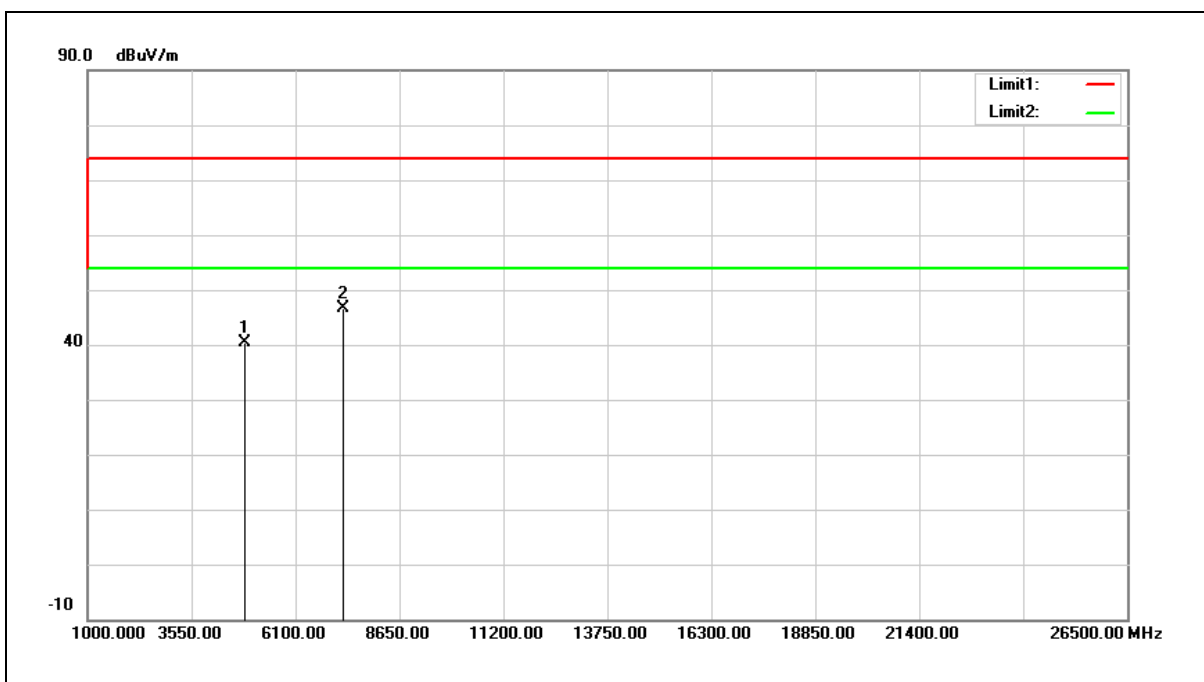
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	34.62	6.04	40.66	74.00	-33.34	peak
2	7266.000	34.15	12.59	46.74	74.00	-27.26	peak

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

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

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

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



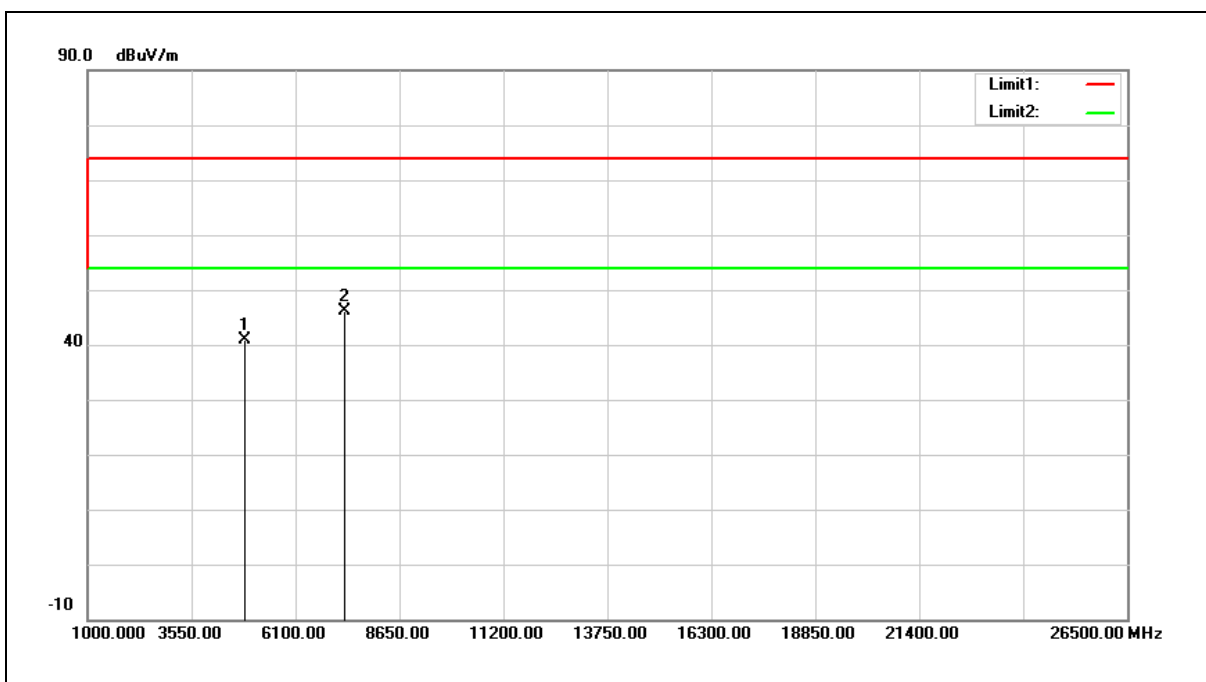
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	34.23	6.04	40.27	74.00	-33.73	peak
2	7266.000	34.06	12.59	46.65	74.00	-27.35	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



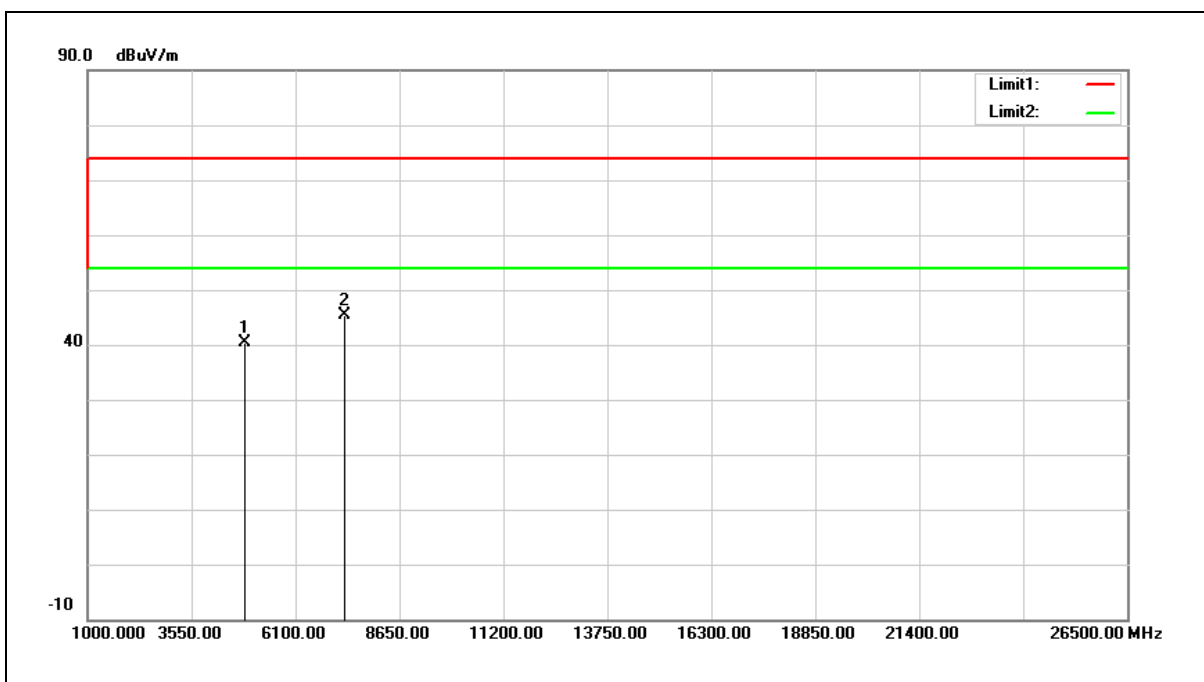
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.74	6.12	40.86	74.00	-33.14	peak
2	7311.000	33.33	12.73	46.06	74.00	-27.94	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



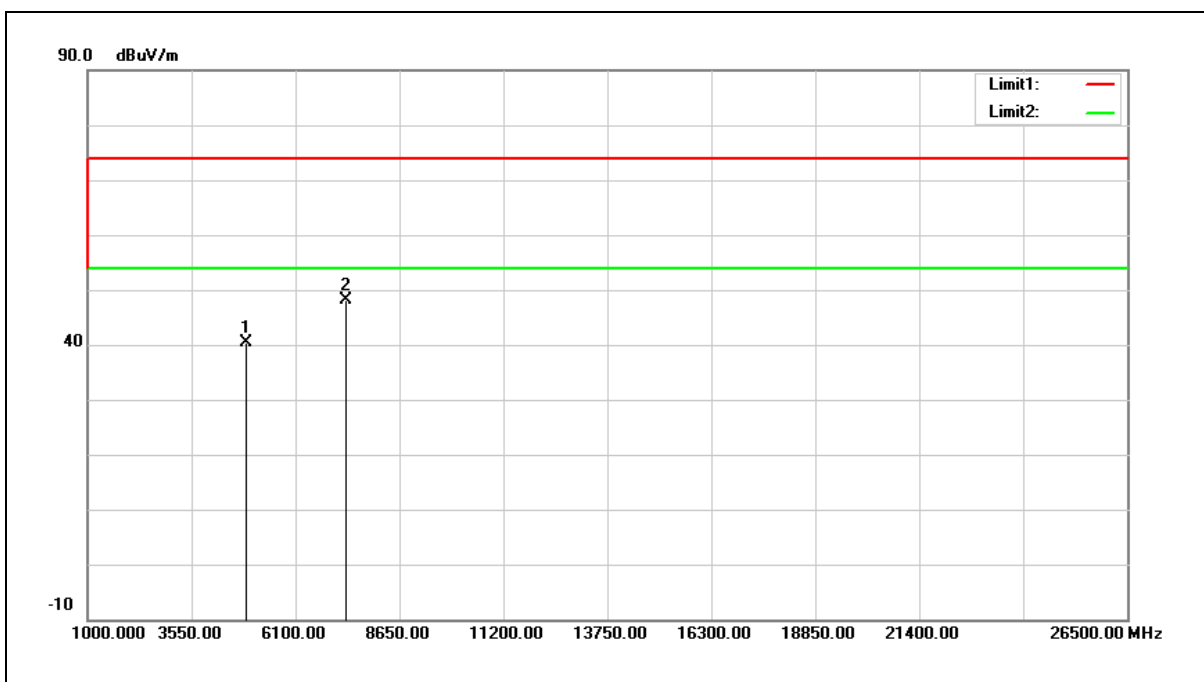
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.24	6.12	40.36	74.00	-33.64	peak
2	7311.000	32.56	12.73	45.29	74.00	-28.71	peak

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

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

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

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



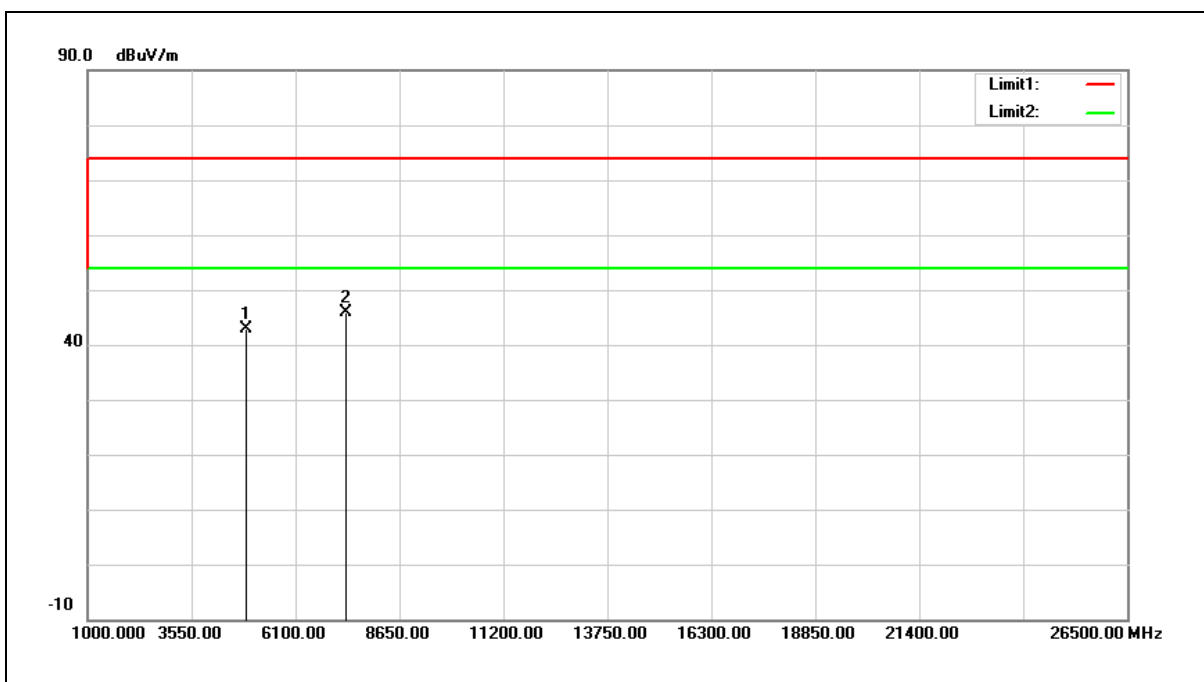
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	34.06	6.21	40.27	74.00	-33.73	peak
2	7356.000	35.35	12.89	48.24	74.00	-25.76	peak

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



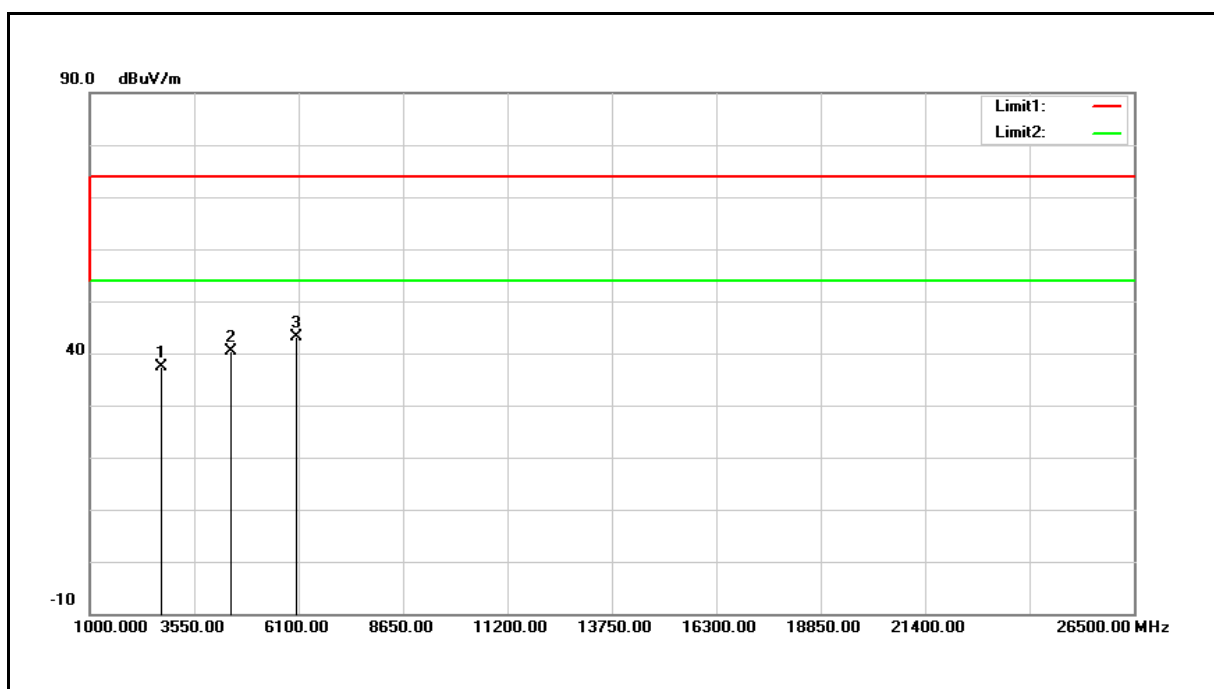
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	36.67	6.21	42.88	74.00	-31.12	peak
2	7356.000	33.08	12.89	45.97	74.00	-28.03	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Mode:	Simultaneous Transmitting (WLAN 2.4 +5 GHz)	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Ant.Polar.:	Horizontal		



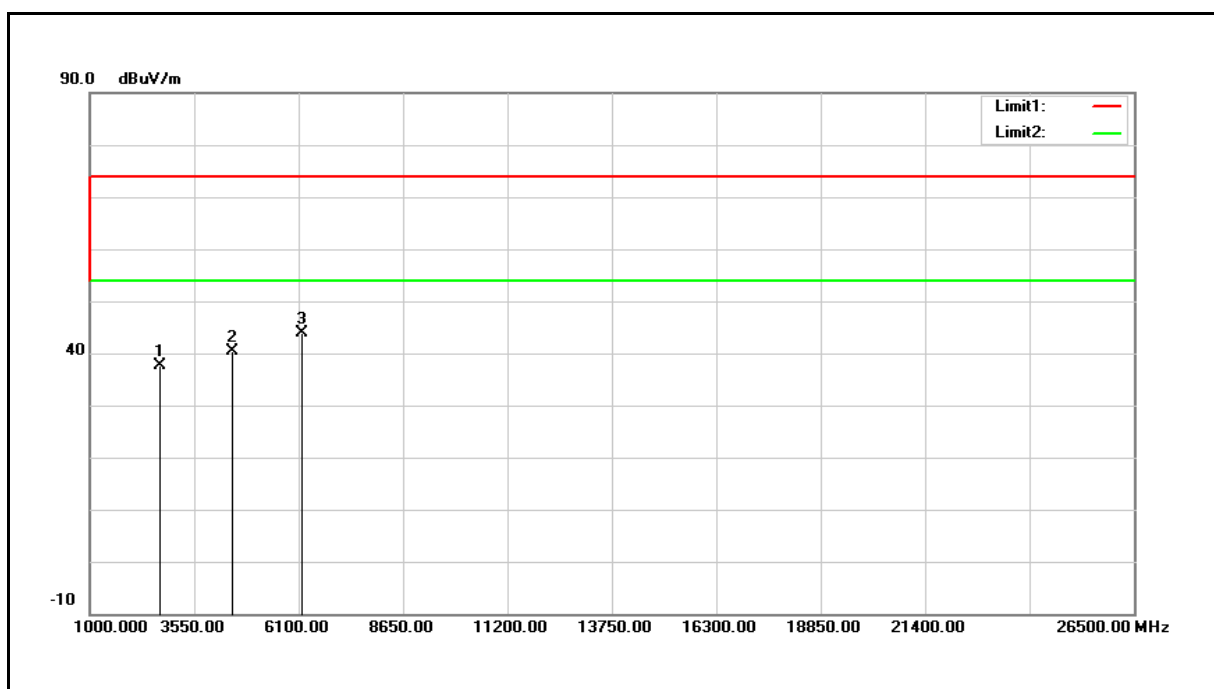
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2751.000	36.91	0.42	37.33	74.00	-36.67	peak
2	4434.000	35.62	4.85	40.47	74.00	-33.53	peak
3	6049.000	34.08	9.09	43.17	74.00	-30.83	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Mode:	Simultaneous Transmitting (WLAN 2.4 +5 GHz)	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Ant.Polar.:	Vertical		



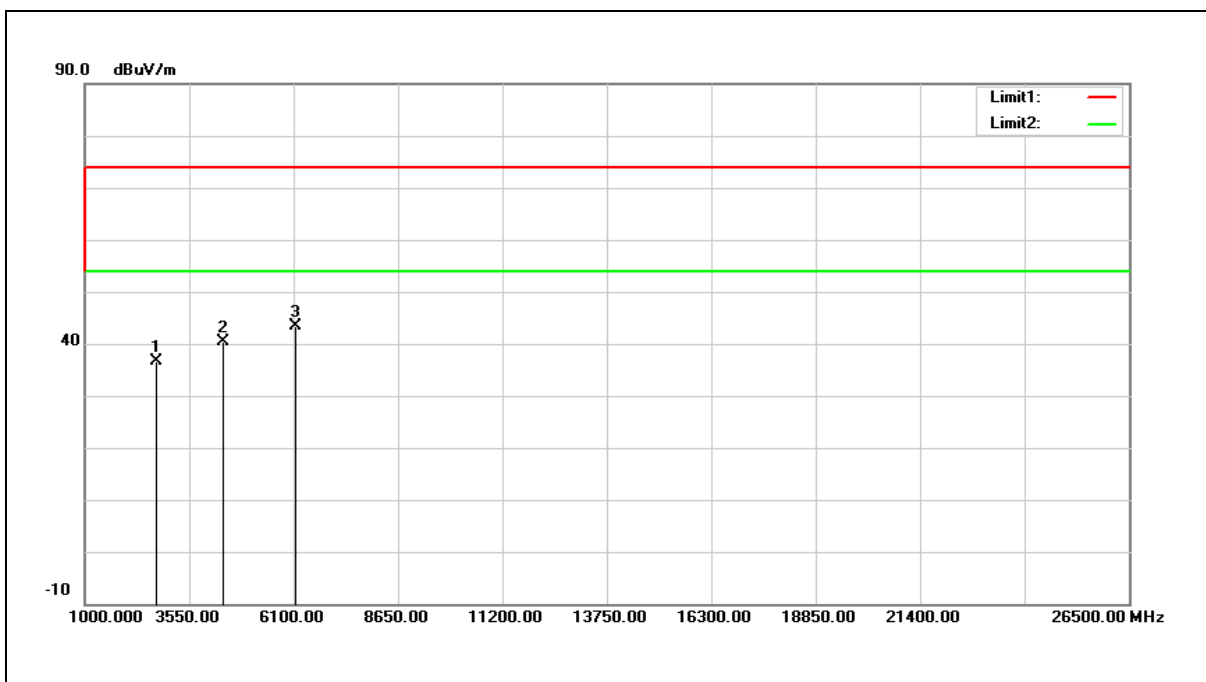
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2717.000	37.27	0.32	37.59	74.00	-36.41	peak
2	4485.000	35.38	4.95	40.33	74.00	-33.67	peak
3	6185.000	34.32	9.49	43.81	74.00	-30.19	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Mode:	Mode 12	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Ant.Polar.:	Horizontal		



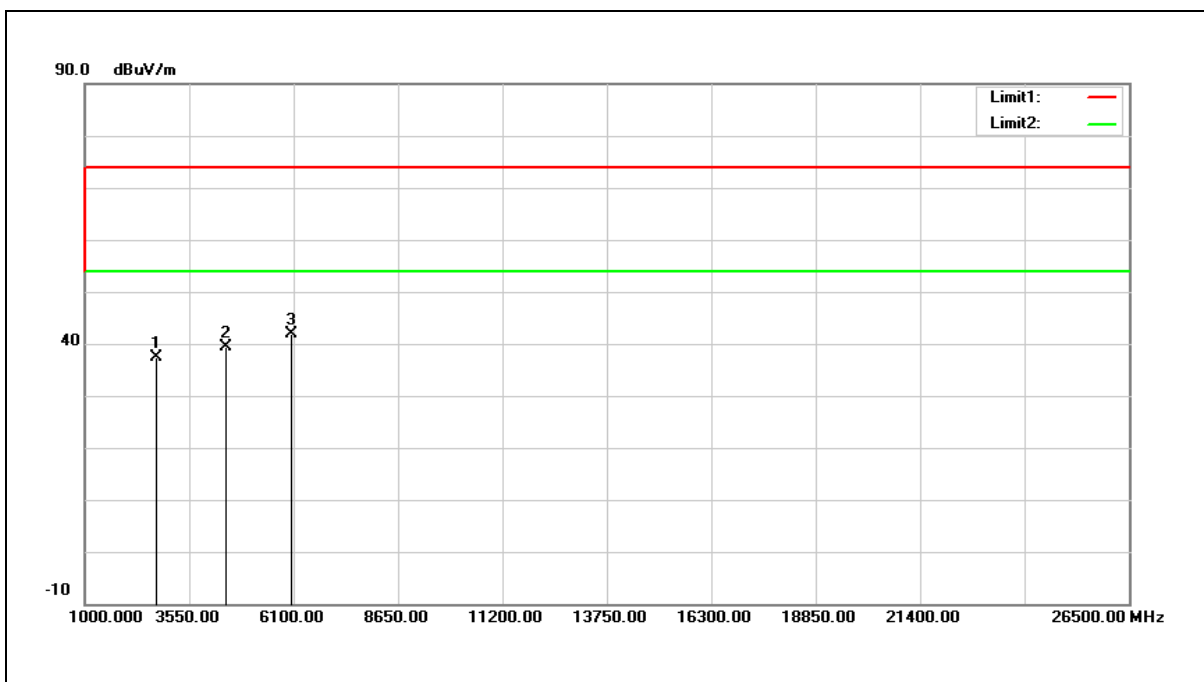
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2734.000	36.32	0.37	36.69	74.00	-37.31	peak
2	4349.000	35.77	4.70	40.47	74.00	-33.53	peak
3	6134.000	34.02	9.34	43.36	74.00	-30.64	peak

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2734.000	36.93	0.37	37.30	74.00	-36.70	peak
2	4434.000	34.59	4.85	39.44	74.00	-34.56	peak
3	6049.000	32.77	9.09	41.86	74.00	-32.14	peak

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

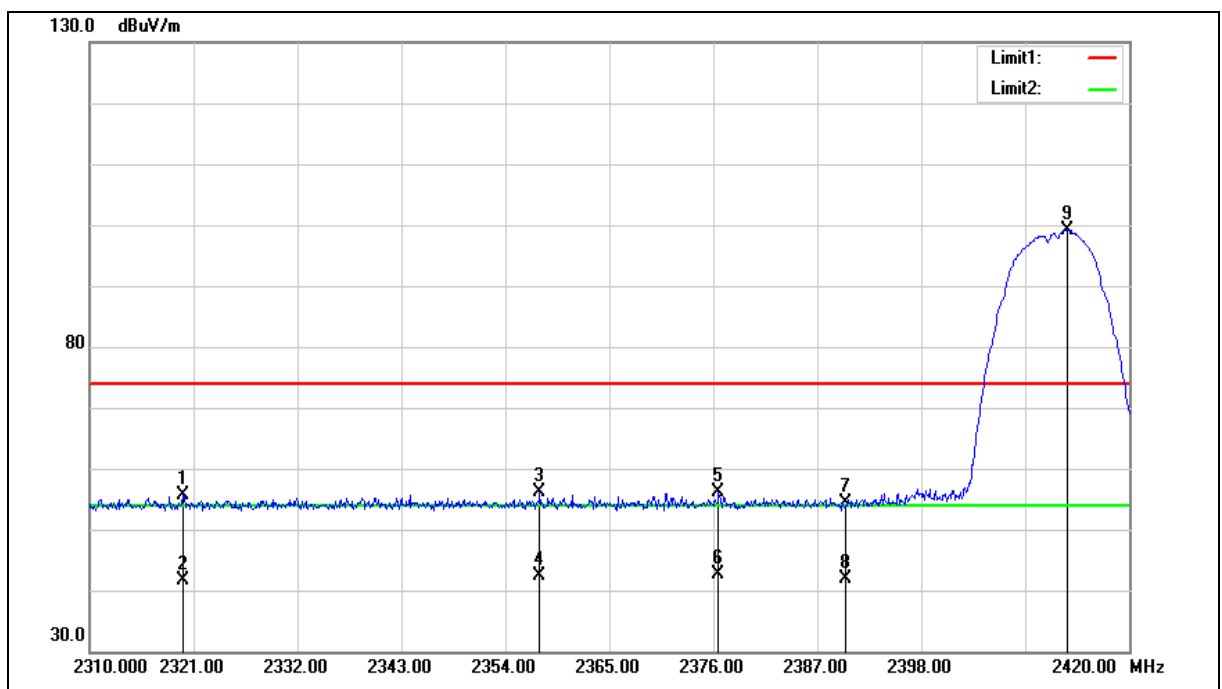
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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

頻帶邊緣

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

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



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

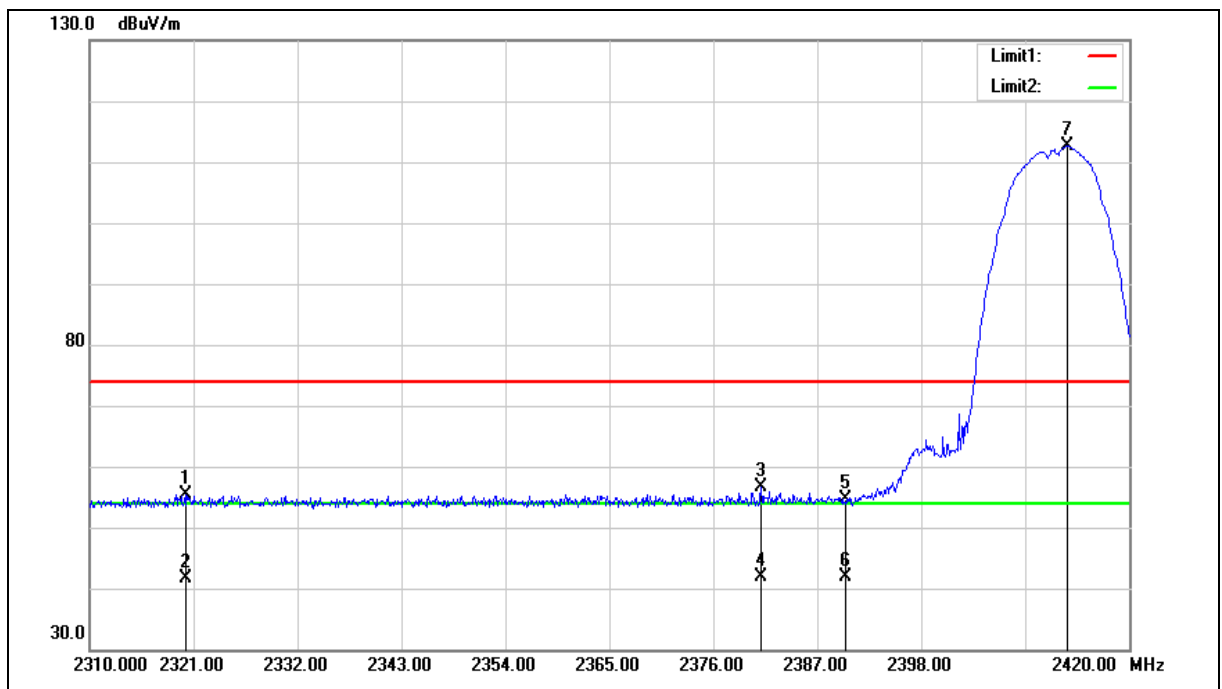
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2319.900	56.86	-1.22	55.64	74.00	-18.36	peak
2	2319.900	42.95	-1.22	41.73	54.00	-12.27	AVG
3	2357.630	57.09	-1.03	56.06	74.00	-17.94	peak
4	2357.630	43.43	-1.03	42.40	54.00	-11.60	AVG
5	2376.550	56.97	-0.94	56.03	74.00	-17.97	peak
6	2376.550	43.57	-0.94	42.63	54.00	-11.37	AVG
7	2390.000	55.13	-0.87	54.26	74.00	-19.74	peak
8	2390.000	42.76	-0.87	41.89	54.00	-12.11	AVG
9	2413.400	99.94	-0.75	99.19	--	--	peak

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

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

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

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



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

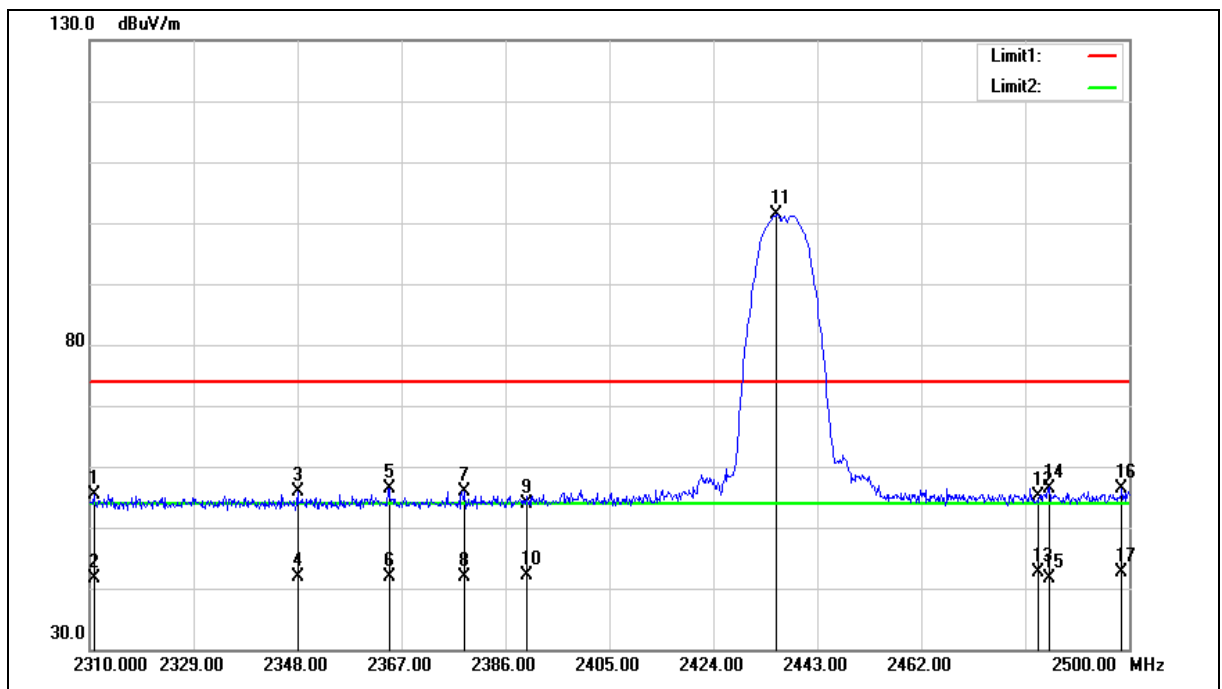
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2320.120	56.71	-1.22	55.49	74.00	-18.51	peak
2	2320.120	42.92	-1.22	41.70	54.00	-12.30	AVG
3	2381.060	57.43	-0.91	56.52	74.00	-17.48	peak
4	2381.060	42.73	-0.91	41.82	54.00	-12.18	AVG
5	2390.000	55.46	-0.87	54.59	74.00	-19.41	peak
6	2390.000	42.76	-0.87	41.89	54.00	-12.11	AVG
7	2413.400	113.31	-0.75	112.56	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		

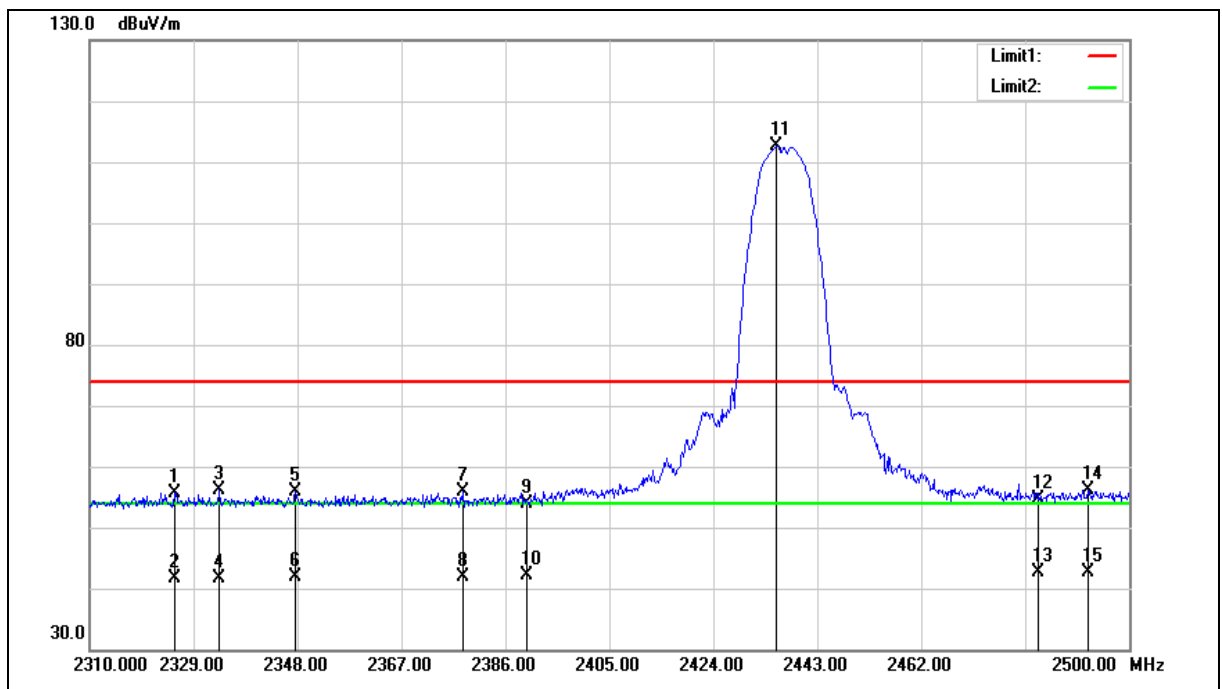
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2310.760	56.63	-1.27	55.36	74.00	-18.64	peak
2	2310.760	42.89	-1.27	41.62	54.00	-12.38	AVG
3	2348.000	56.98	-1.08	55.90	74.00	-18.10	peak
4	2348.000	42.87	-1.08	41.79	54.00	-12.21	AVG
5	2364.720	57.41	-1.00	56.41	74.00	-17.59	peak
6	2364.720	42.83	-1.00	41.83	54.00	-12.17	AVG
7	2378.400	56.87	-0.93	55.94	74.00	-18.06	peak
8	2378.400	42.78	-0.93	41.85	54.00	-12.15	AVG
9	2390.000	54.71	-0.87	53.84	74.00	-20.16	peak
10	2390.000	42.92	-0.87	42.05	54.00	-11.95	AVG
11	2435.590	101.99	-0.64	101.35	--	--	peak
12	2483.500	55.61	-0.40	55.21	74.00	-18.79	peak
13	2483.500	43.02	-0.40	42.62	54.00	-11.38	AVG
14	2485.370	56.89	-0.39	56.50	74.00	-17.50	peak
15	2485.370	42.02	-0.39	41.63	54.00	-12.37	AVG
16	2498.670	56.80	-0.31	56.49	74.00	-17.51	peak
17	2498.670	43.06	-0.31	42.75	54.00	-11.25	AVG

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		

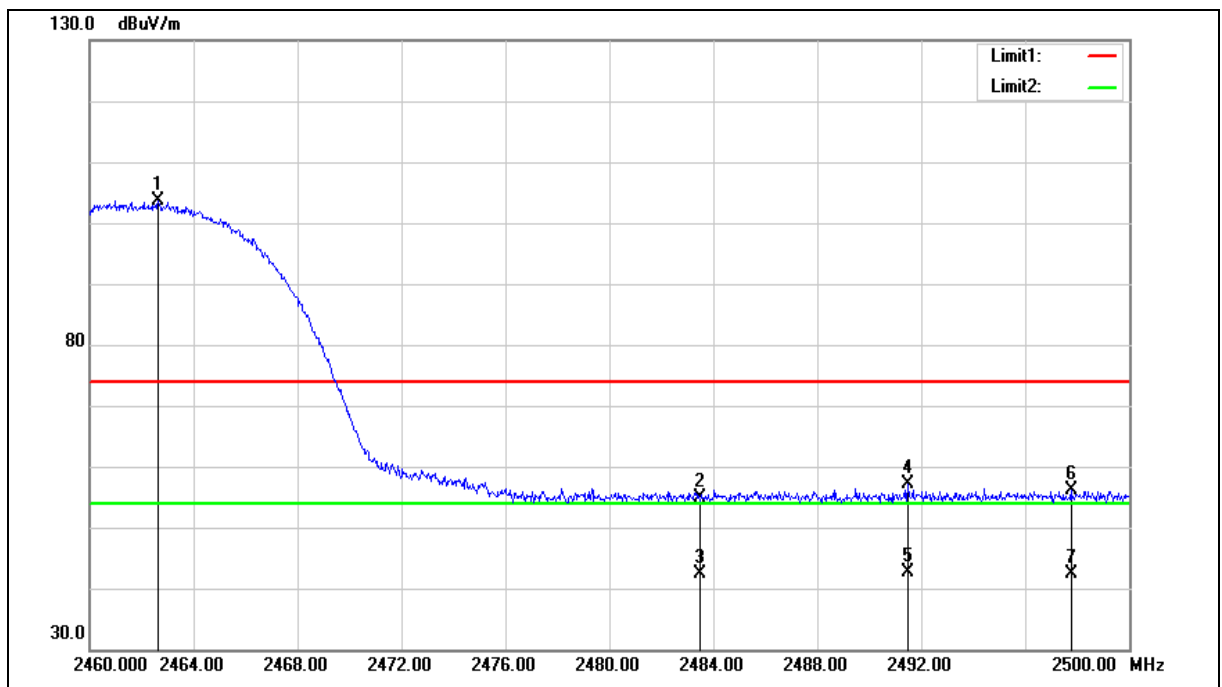
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2325.580	56.90	-1.19	55.71	74.00	-18.29	peak
2	2325.580	42.93	-1.19	41.74	54.00	-12.26	AVG
3	2333.750	57.34	-1.16	56.18	74.00	-17.82	peak
4	2333.750	42.91	-1.16	41.75	54.00	-12.25	AVG
5	2347.620	57.00	-1.08	55.92	74.00	-18.08	peak
6	2347.620	42.92	-1.08	41.84	54.00	-12.16	AVG
7	2378.210	56.79	-0.93	55.86	74.00	-18.14	peak
8	2378.210	42.82	-0.93	41.89	54.00	-12.11	AVG
9	2390.000	54.77	-0.87	53.90	74.00	-20.10	peak
10	2390.000	42.88	-0.87	42.01	54.00	-11.99	AVG
11	2435.400	113.17	-0.64	112.53	--	--	peak
12	2483.500	55.00	-0.40	54.60	74.00	-19.40	peak
13	2483.500	43.02	-0.40	42.62	54.00	-11.38	AVG
14	2492.590	56.39	-0.35	56.04	74.00	-17.96	peak
15	2492.590	43.08	-0.35	42.73	54.00	-11.27	AVG

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

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

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

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



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

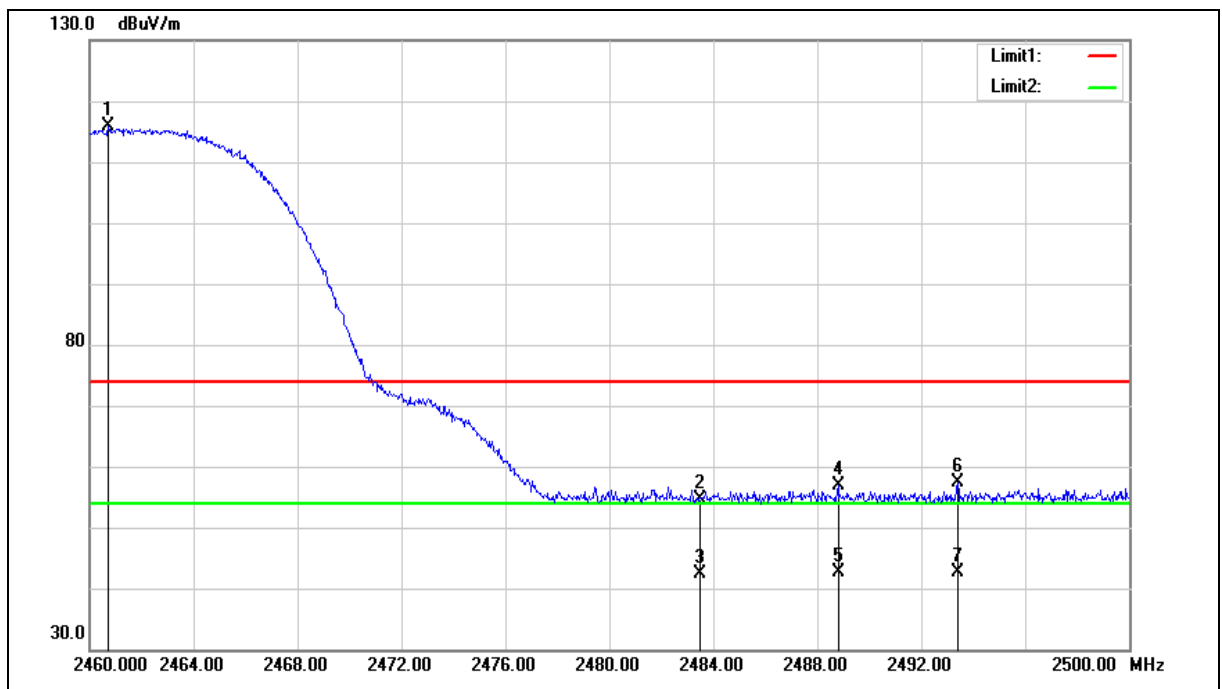
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2462.640	104.12	-0.50	103.62	--	--	peak
2	2483.500	55.17	-0.40	54.77	74.00	-19.23	peak
3	2483.500	42.89	-0.40	42.49	54.00	-11.51	AVG
4	2491.480	57.37	-0.35	57.02	74.00	-16.98	peak
5	2491.480	42.87	-0.35	42.52	54.00	-11.48	AVG
6	2497.760	56.38	-0.32	56.06	74.00	-17.94	peak
7	2497.760	42.77	-0.32	42.45	54.00	-11.55	AVG

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

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

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

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



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

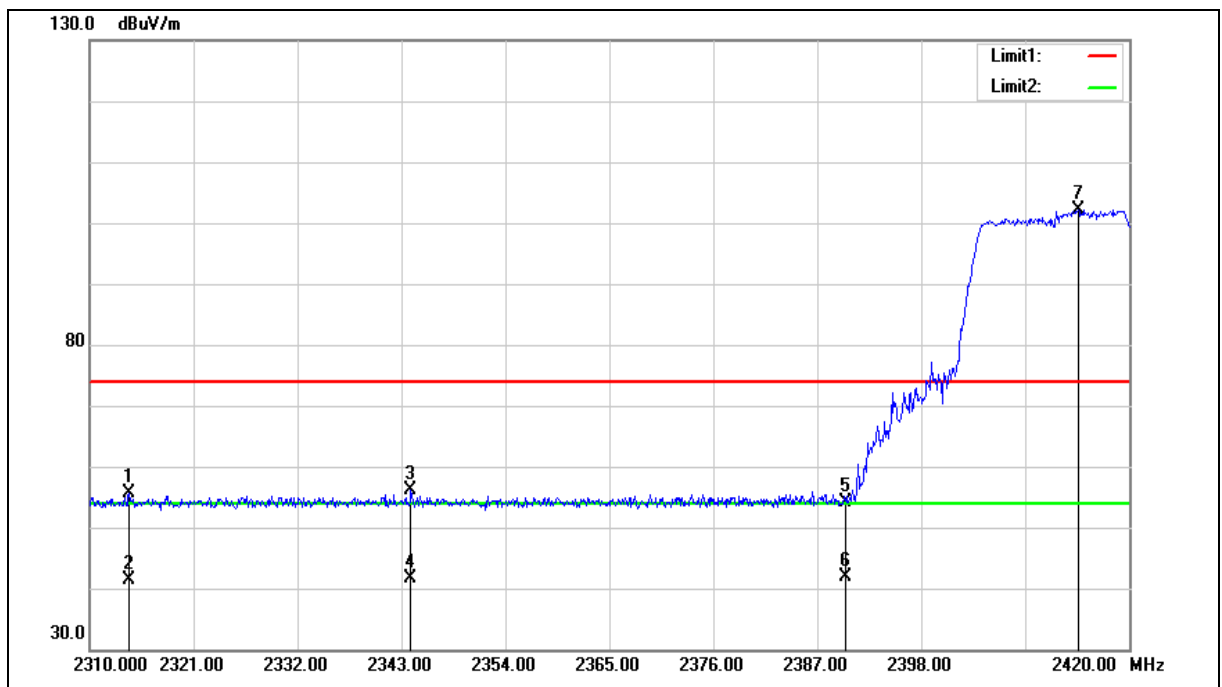
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2460.720	116.33	-0.51	115.82	--	--	peak
2	2483.500	54.99	-0.40	54.59	74.00	-19.41	peak
3	2483.500	42.88	-0.40	42.48	54.00	-11.52	AVG
4	2488.800	57.20	-0.37	56.83	74.00	-17.17	peak
5	2488.800	42.90	-0.37	42.53	54.00	-11.47	AVG
6	2493.400	57.67	-0.34	57.33	74.00	-16.67	peak
7	2493.400	42.88	-0.34	42.54	54.00	-11.46	AVG

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

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

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

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



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

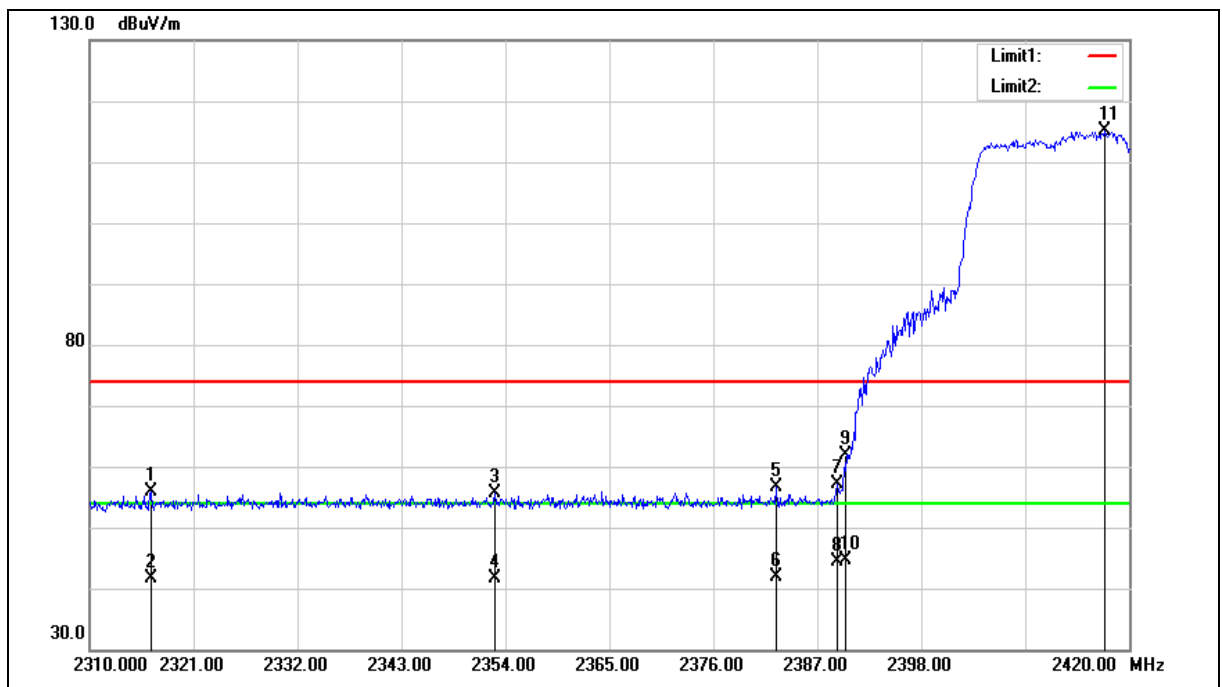
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2314.180	56.94	-1.25	55.69	74.00	-18.31	peak
2	2314.180	42.75	-1.25	41.50	54.00	-12.50	AVG
3	2343.990	57.21	-1.10	56.11	74.00	-17.89	peak
4	2343.990	42.79	-1.10	41.69	54.00	-12.31	AVG
5	2390.000	54.89	-0.87	54.02	74.00	-19.98	peak
6	2390.000	42.79	-0.87	41.92	54.00	-12.08	AVG
7	2414.610	102.92	-0.75	102.17	--	--	peak

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

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

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

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



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

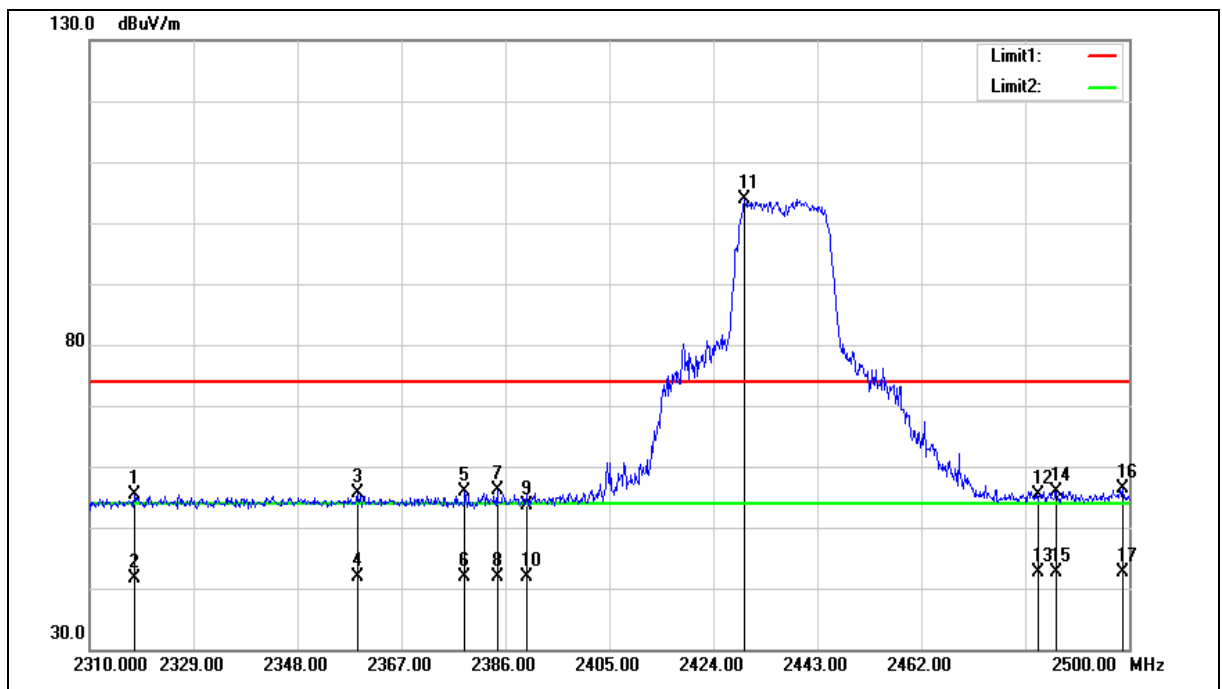
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2316.490	57.03	-1.24	55.79	74.00	-18.21	peak
2	2316.490	42.77	-1.24	41.53	54.00	-12.47	AVG
3	2352.900	56.69	-1.05	55.64	74.00	-18.36	peak
4	2352.900	42.72	-1.05	41.67	54.00	-12.33	AVG
5	2382.710	57.63	-0.91	56.72	74.00	-17.28	peak
6	2382.710	42.78	-0.91	41.87	54.00	-12.13	AVG
7	2389.090	58.05	-0.88	57.17	74.00	-16.83	peak
8	2389.090	45.31	-0.88	44.43	54.00	-9.57	AVG
9	2390.000	62.78	-0.87	61.91	74.00	-12.09	peak
10	2390.000	45.39	-0.87	44.52	54.00	-9.48	AVG
11	2417.360	115.79	-0.73	115.06	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

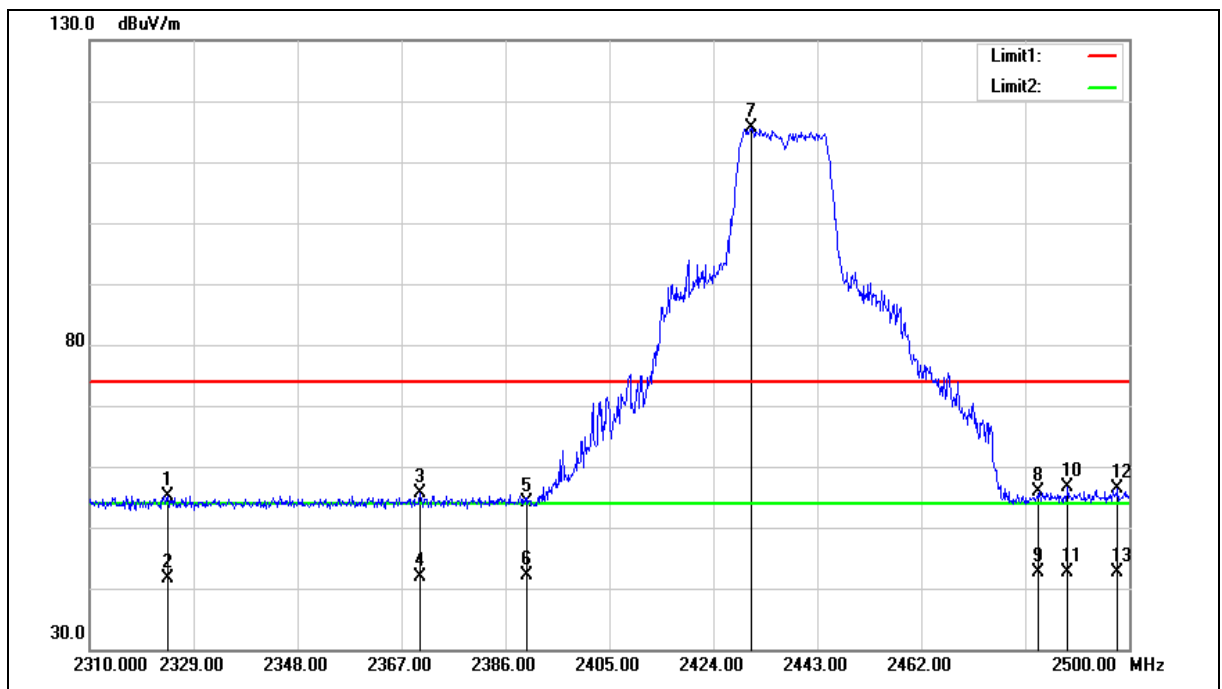
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2318.170	56.71	-1.23	55.48	74.00	-18.52	peak
2	2318.170	42.85	-1.23	41.62	54.00	-12.38	AVG
3	2359.020	56.73	-1.03	55.70	74.00	-18.30	peak
4	2359.020	42.87	-1.03	41.84	54.00	-12.16	AVG
5	2378.590	56.91	-0.93	55.98	74.00	-18.02	peak
6	2378.590	42.79	-0.93	41.86	54.00	-12.14	AVG
7	2384.480	56.96	-0.90	56.06	74.00	-17.94	peak
8	2384.480	42.87	-0.90	41.97	54.00	-12.03	AVG
9	2390.000	54.58	-0.87	53.71	74.00	-20.29	peak
10	2390.000	42.85	-0.87	41.98	54.00	-12.02	AVG
11	2429.700	104.56	-0.67	103.89	--	--	peak
12	2483.500	55.75	-0.40	55.35	74.00	-18.65	peak
13	2483.500	43.01	-0.40	42.61	54.00	-11.39	AVG
14	2486.700	56.36	-0.38	55.98	74.00	-18.02	peak
15	2486.700	43.07	-0.38	42.69	54.00	-11.31	AVG
16	2498.860	56.61	-0.31	56.30	74.00	-17.70	peak
17	2498.860	43.02	-0.31	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:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		

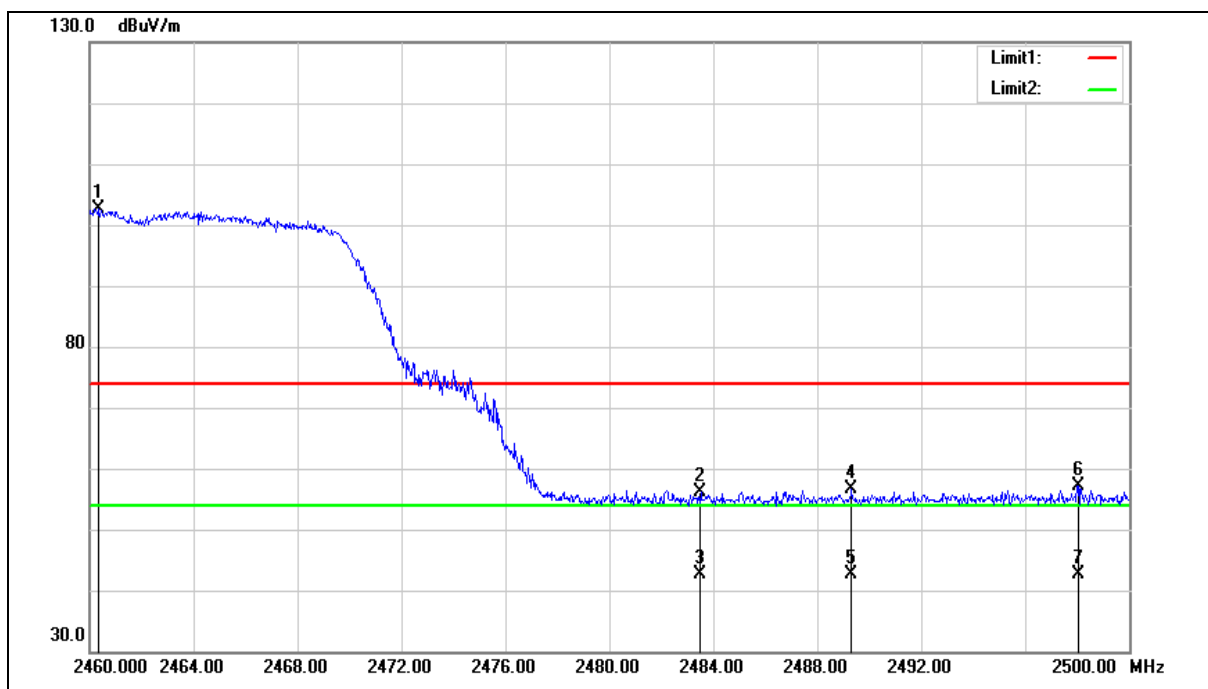
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2324.250	56.41	-1.20	55.21	74.00	-18.79	peak
2	2324.250	42.93	-1.20	41.73	54.00	-12.27	AVG
3	2370.420	56.60	-0.97	55.63	74.00	-18.37	peak
4	2370.420	42.88	-0.97	41.91	54.00	-12.09	AVG
5	2390.000	54.92	-0.87	54.05	74.00	-19.95	peak
6	2390.000	42.89	-0.87	42.02	54.00	-11.98	AVG
7	2430.840	116.20	-0.67	115.53	--	--	peak
8	2483.500	56.31	-0.40	55.91	74.00	-18.09	peak
9	2483.500	43.02	-0.40	42.62	54.00	-11.38	AVG
10	2488.790	56.92	-0.37	56.55	74.00	-17.45	peak
11	2488.790	43.04	-0.37	42.67	54.00	-11.33	AVG
12	2497.910	56.75	-0.32	56.43	74.00	-17.57	peak
13	2497.910	43.05	-0.32	42.73	54.00	-11.27	AVG

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

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

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

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



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

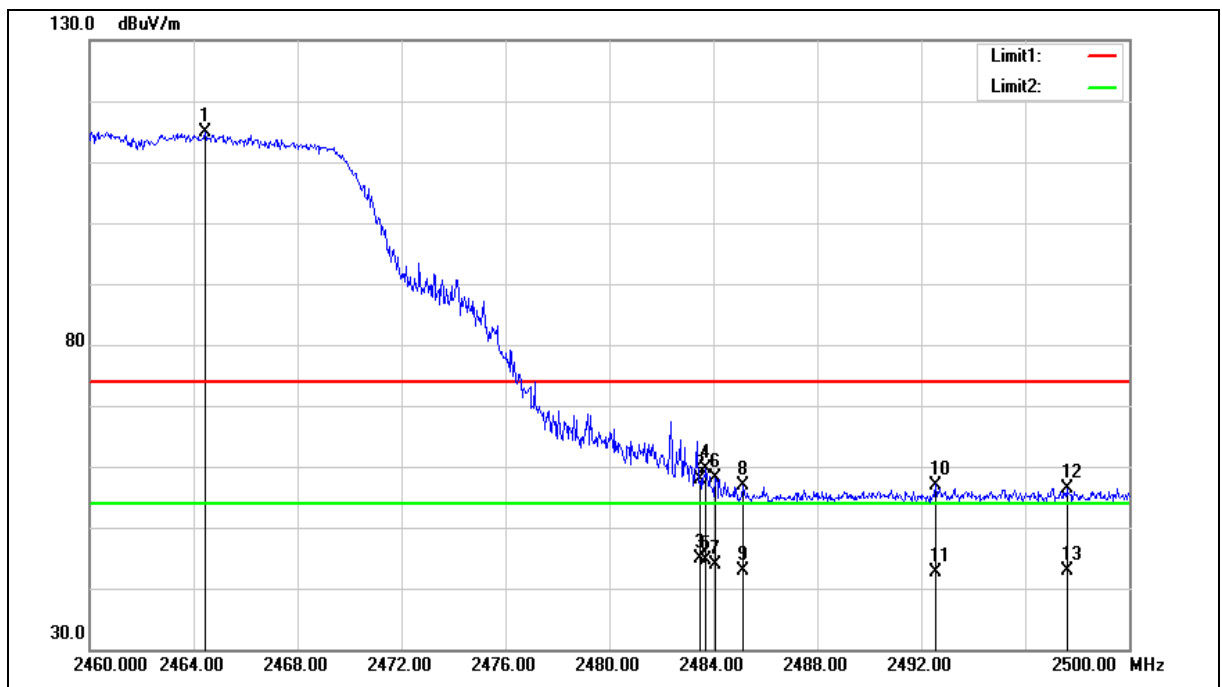
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2460.360	103.25	-0.51	102.74	--	--	peak
2	2483.500	56.43	-0.40	56.03	74.00	-17.97	peak
3	2483.500	42.93	-0.40	42.53	54.00	-11.47	AVG
4	2489.320	56.95	-0.37	56.58	74.00	-17.42	peak
5	2489.320	42.91	-0.37	42.54	54.00	-11.46	AVG
6	2498.040	57.34	-0.32	57.02	74.00	-16.98	peak
7	2498.040	42.98	-0.32	42.66	54.00	-11.34	AVG

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

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

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

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



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

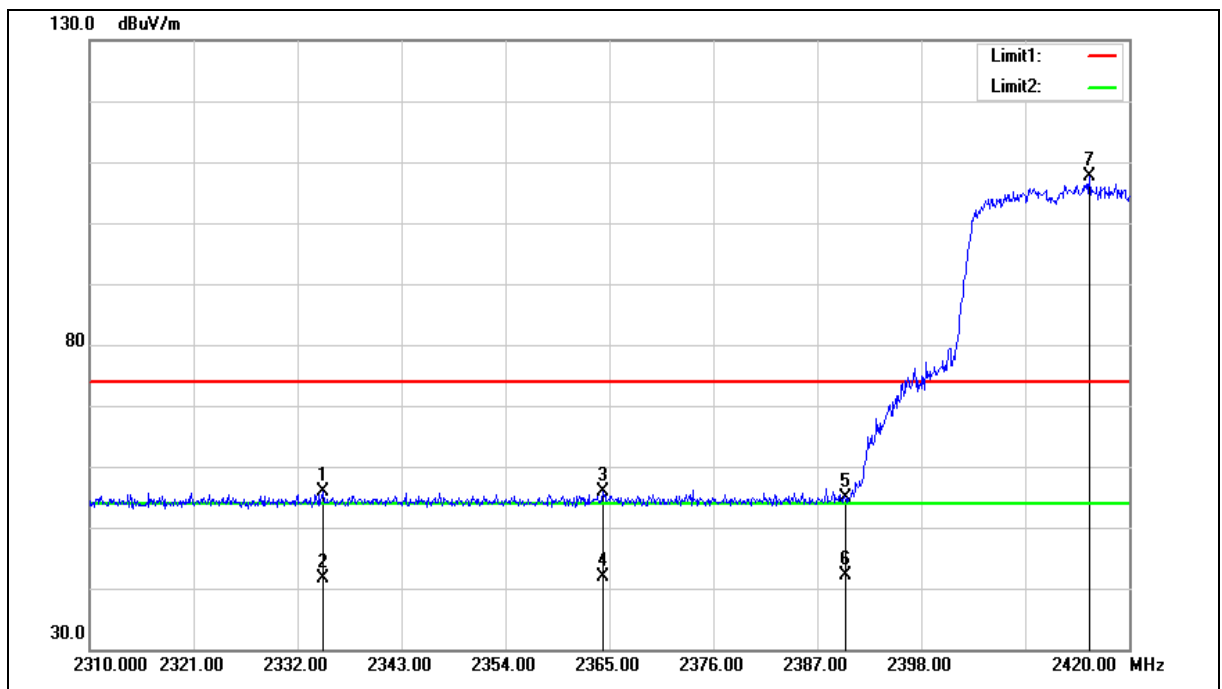
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2464.440	115.43	-0.49	114.94	--	--	peak
2	2483.500	58.21	-0.40	57.81	74.00	-16.19	peak
3	2483.500	45.19	-0.40	44.79	54.00	-9.21	AVG
4	2483.720	59.99	-0.40	59.59	74.00	-14.41	peak
5	2483.720	44.97	-0.40	44.57	54.00	-9.43	AVG
6	2484.080	58.47	-0.39	58.08	74.00	-15.92	peak
7	2484.080	44.38	-0.39	43.99	54.00	-10.01	AVG
8	2485.160	57.33	-0.39	56.94	74.00	-17.06	peak
9	2485.160	43.26	-0.39	42.87	54.00	-11.13	AVG
10	2492.560	57.35	-0.35	57.00	74.00	-17.00	peak
11	2492.560	42.88	-0.35	42.53	54.00	-11.47	AVG
12	2497.600	56.73	-0.32	56.41	74.00	-17.59	peak
13	2497.600	43.14	-0.32	42.82	54.00	-11.18	AVG

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

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

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

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



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

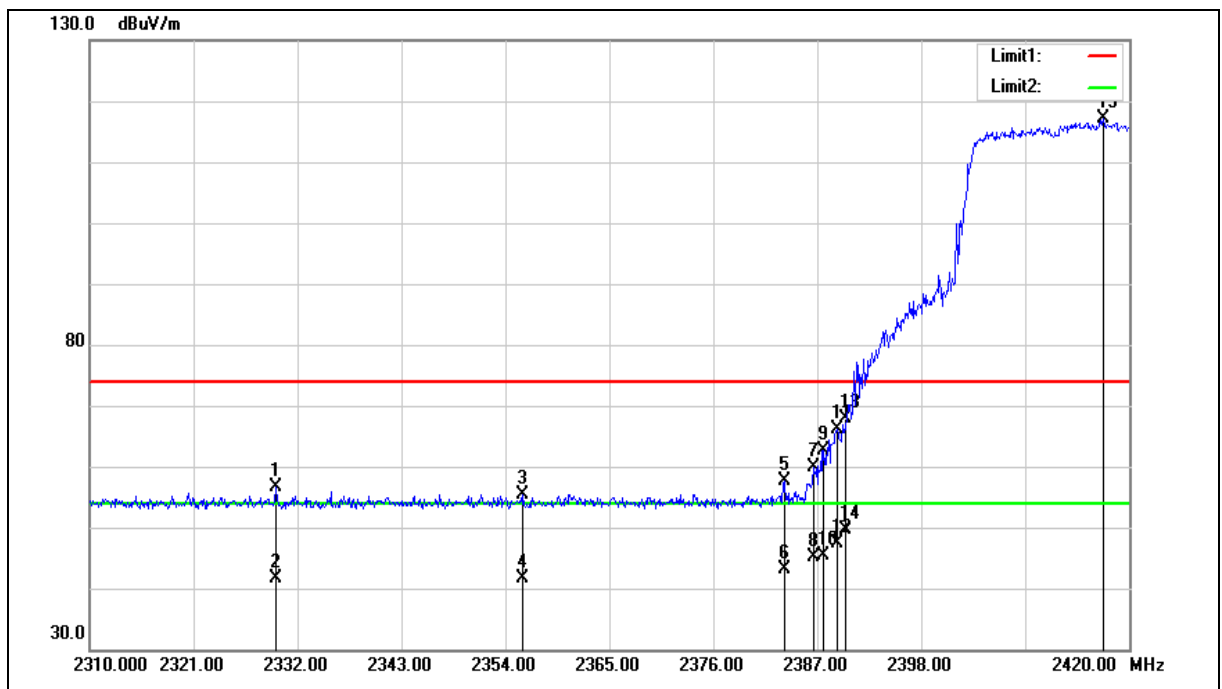
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2334.750	57.04	-1.14	55.90	74.00	-18.10	peak
2	2334.750	42.81	-1.14	41.67	54.00	-12.33	AVG
3	2364.340	56.99	-1.00	55.99	74.00	-18.01	peak
4	2364.340	42.76	-1.00	41.76	54.00	-12.24	AVG
5	2390.000	55.75	-0.87	54.88	74.00	-19.12	peak
6	2390.000	42.96	-0.87	42.09	54.00	-11.91	AVG
7	2415.820	108.34	-0.74	107.60	--	--	peak

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

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

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

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



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

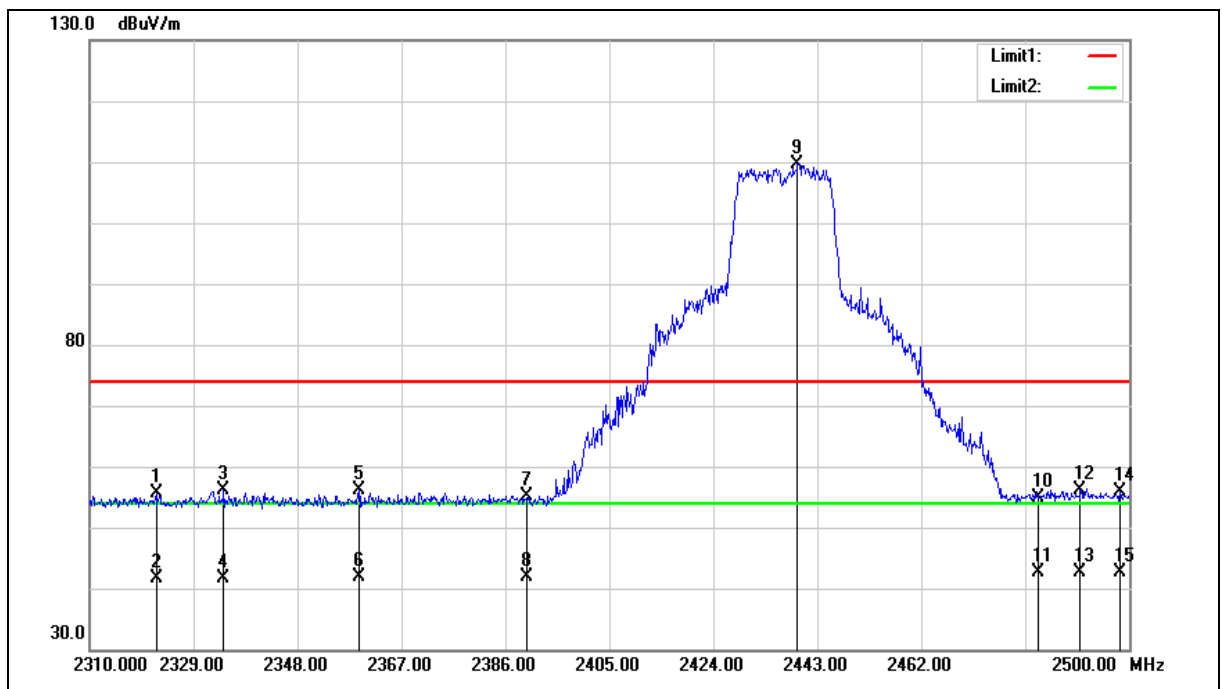
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2329.690	57.75	-1.17	56.58	74.00	-17.42	peak
2	2329.690	42.80	-1.17	41.63	54.00	-12.37	AVG
3	2355.870	56.31	-1.04	55.27	74.00	-18.73	peak
4	2355.870	42.78	-1.04	41.74	54.00	-12.26	AVG
5	2383.480	58.42	-0.91	57.51	74.00	-16.49	peak
6	2383.480	43.97	-0.91	43.06	54.00	-10.94	AVG
7	2386.560	60.71	-0.90	59.81	74.00	-14.19	peak
8	2386.560	46.06	-0.90	45.16	54.00	-8.84	AVG
9	2387.660	63.57	-0.88	62.69	74.00	-11.31	peak
10	2387.660	46.16	-0.88	45.28	54.00	-8.72	AVG
11	2389.090	66.93	-0.88	66.05	74.00	-7.95	peak
12	2389.090	48.36	-0.88	47.48	54.00	-6.52	AVG
13	2390.000	68.74	-0.87	67.87	74.00	-6.13	peak
14	2390.000	50.41	-0.87	49.54	54.00	-4.46	AVG
15	2417.250	117.79	-0.73	117.06	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

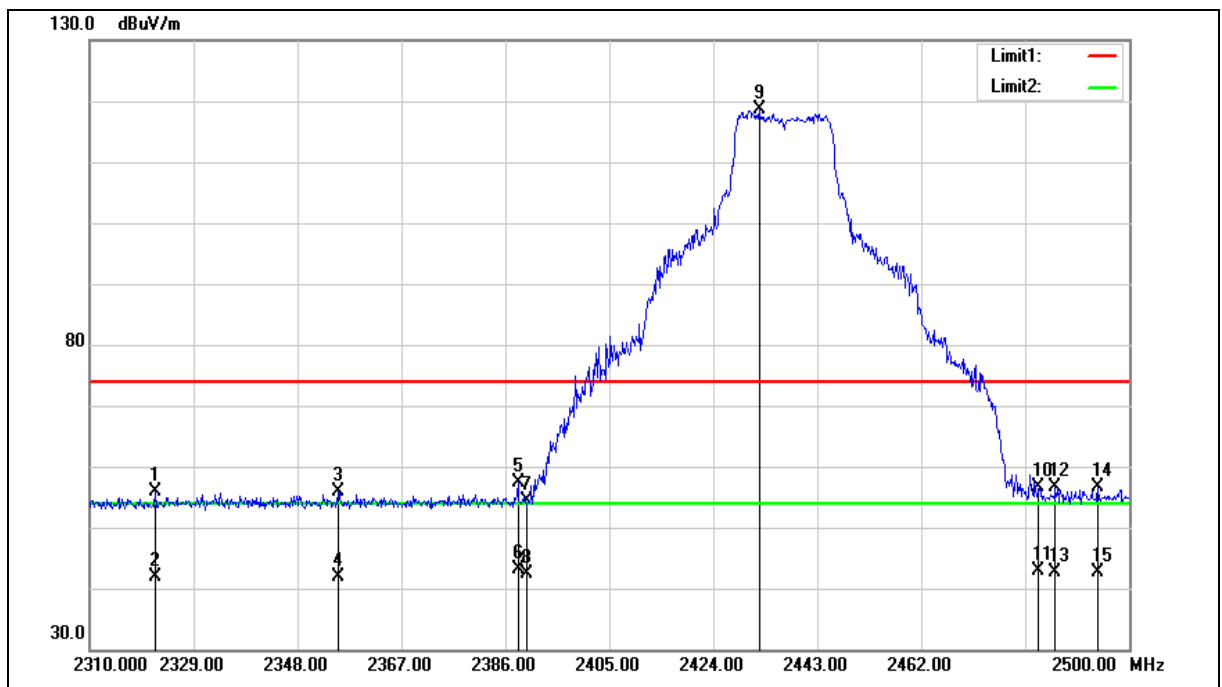
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2322.160	56.75	-1.21	55.54	74.00	-18.46	peak
2	2322.160	42.83	-1.21	41.62	54.00	-12.38	AVG
3	2334.510	57.28	-1.14	56.14	74.00	-17.86	peak
4	2334.510	42.86	-1.14	41.72	54.00	-12.28	AVG
5	2359.210	57.10	-1.03	56.07	74.00	-17.93	peak
6	2359.210	42.85	-1.03	41.82	54.00	-12.18	AVG
7	2390.000	56.05	-0.87	55.18	74.00	-18.82	peak
8	2390.000	42.83	-0.87	41.96	54.00	-12.04	AVG
9	2439.390	110.36	-0.62	109.74	--	--	peak
10	2483.500	55.30	-0.40	54.90	74.00	-19.10	peak
11	2483.500	42.99	-0.40	42.59	54.00	-11.41	AVG
12	2491.070	56.46	-0.36	56.10	74.00	-17.90	peak
13	2491.070	43.00	-0.36	42.64	54.00	-11.36	AVG
14	2498.290	56.12	-0.32	55.80	74.00	-18.20	peak
15	2498.290	43.05	-0.32	42.73	54.00	-11.27	AVG

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		

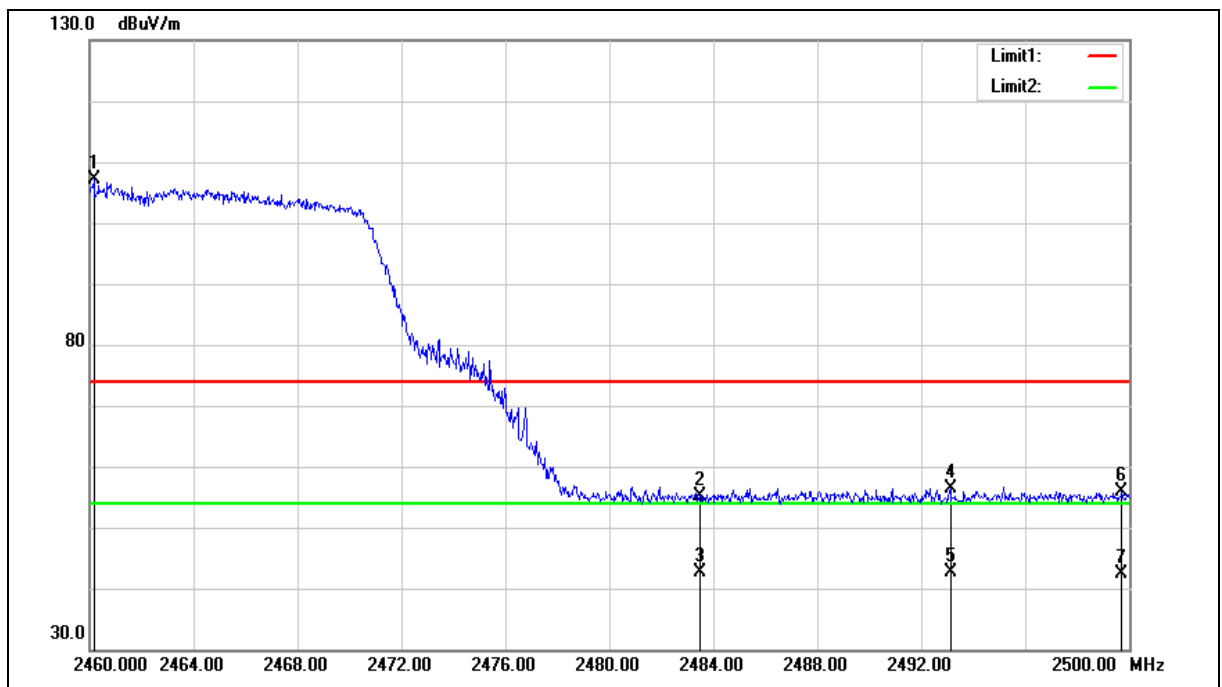
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2321.970	57.03	-1.22	55.81	74.00	-18.19	peak
2	2321.970	43.01	-1.22	41.79	54.00	-12.21	AVG
3	2355.410	56.93	-1.04	55.89	74.00	-18.11	peak
4	2355.410	42.86	-1.04	41.82	54.00	-12.18	AVG
5	2388.280	58.19	-0.88	57.31	74.00	-16.69	peak
6	2388.280	44.12	-0.88	43.24	54.00	-10.76	AVG
7	2390.000	55.26	-0.87	54.39	74.00	-19.61	peak
8	2390.000	43.30	-0.87	42.43	54.00	-11.57	AVG
9	2432.360	119.18	-0.66	118.52	--	--	peak
10	2483.500	57.08	-0.40	56.68	74.00	-17.32	peak
11	2483.500	43.38	-0.40	42.98	54.00	-11.02	AVG
12	2486.510	57.12	-0.38	56.74	74.00	-17.26	peak
13	2486.510	43.11	-0.38	42.73	54.00	-11.27	AVG
14	2494.300	57.03	-0.34	56.69	74.00	-17.31	peak
15	2494.300	43.03	-0.34	42.69	54.00	-11.31	AVG

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

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

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

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



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

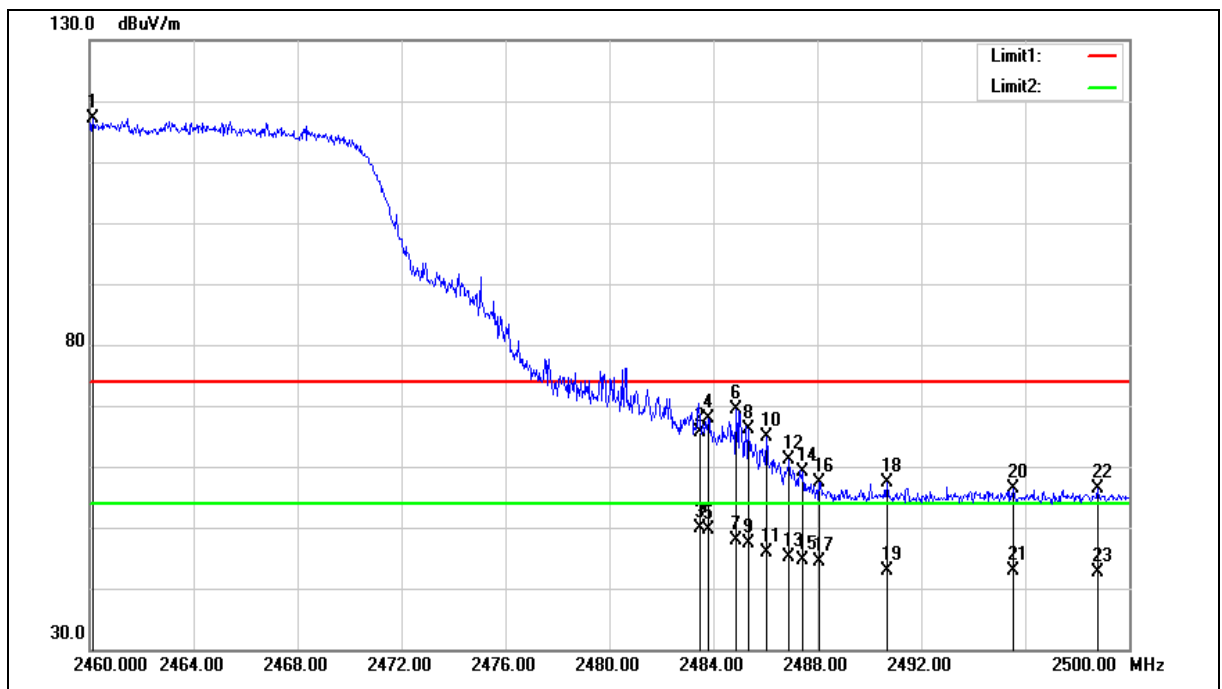
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2460.160	107.59	-0.52	107.07	--	--	peak
2	2483.500	55.46	-0.40	55.06	74.00	-18.94	peak
3	2483.500	42.96	-0.40	42.56	54.00	-11.44	AVG
4	2493.120	56.75	-0.34	56.41	74.00	-17.59	peak
5	2493.120	42.86	-0.34	42.52	54.00	-11.48	AVG
6	2499.720	56.13	-0.31	55.82	74.00	-18.18	peak
7	2499.720	42.69	-0.31	42.38	54.00	-11.62	AVG

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

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

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

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



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

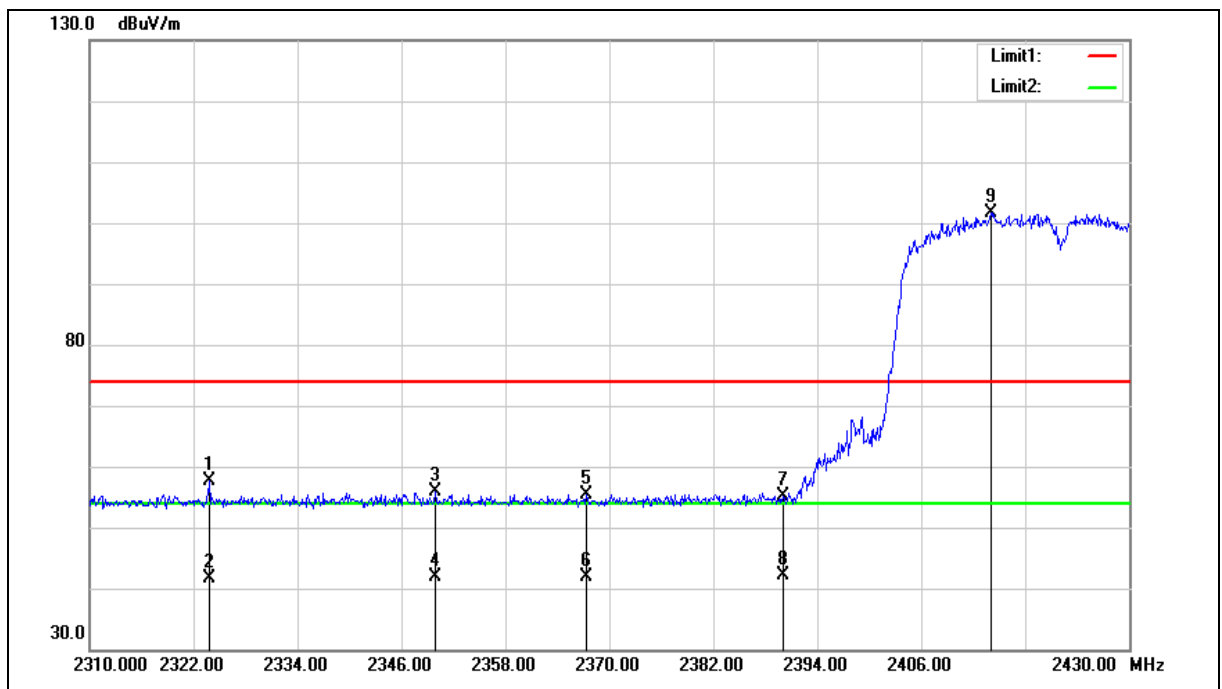
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2460.120	117.68	-0.52	117.16	--	--	peak
2	2483.500	66.03	-0.40	65.63	74.00	-8.37	peak
3	2483.500	50.38	-0.40	49.98	54.00	-4.02	AVG
4	2483.800	68.31	-0.40	67.91	74.00	-6.09	peak
5	2483.800	49.92	-0.40	49.52	54.00	-4.48	AVG
6	2484.880	69.73	-0.39	69.34	74.00	-4.66	peak
7	2484.880	48.36	-0.39	47.97	54.00	-6.03	AVG
8	2485.360	66.44	-0.39	66.05	74.00	-7.95	peak
9	2485.360	47.71	-0.39	47.32	54.00	-6.68	AVG
10	2486.040	65.33	-0.38	64.95	74.00	-9.05	peak
11	2486.040	46.18	-0.38	45.80	54.00	-8.20	AVG
12	2486.920	61.42	-0.37	61.05	74.00	-12.95	peak
13	2486.920	45.39	-0.37	45.02	54.00	-8.98	AVG
14	2487.440	59.46	-0.37	59.09	74.00	-14.91	peak
15	2487.440	44.98	-0.37	44.61	54.00	-9.39	AVG
16	2488.080	57.83	-0.37	57.46	74.00	-16.54	peak
17	2488.080	44.86	-0.37	44.49	54.00	-9.51	AVG
18	2490.680	57.63	-0.36	57.27	74.00	-16.73	peak
19	2490.680	43.25	-0.36	42.89	54.00	-11.11	AVG
20	2495.560	56.63	-0.34	56.29	74.00	-17.71	peak
21	2495.560	43.21	-0.34	42.87	54.00	-11.13	AVG
22	2498.800	56.68	-0.31	56.37	74.00	-17.63	peak
23	2498.800	42.99	-0.31	42.68	54.00	-11.32	AVG

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

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

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

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



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

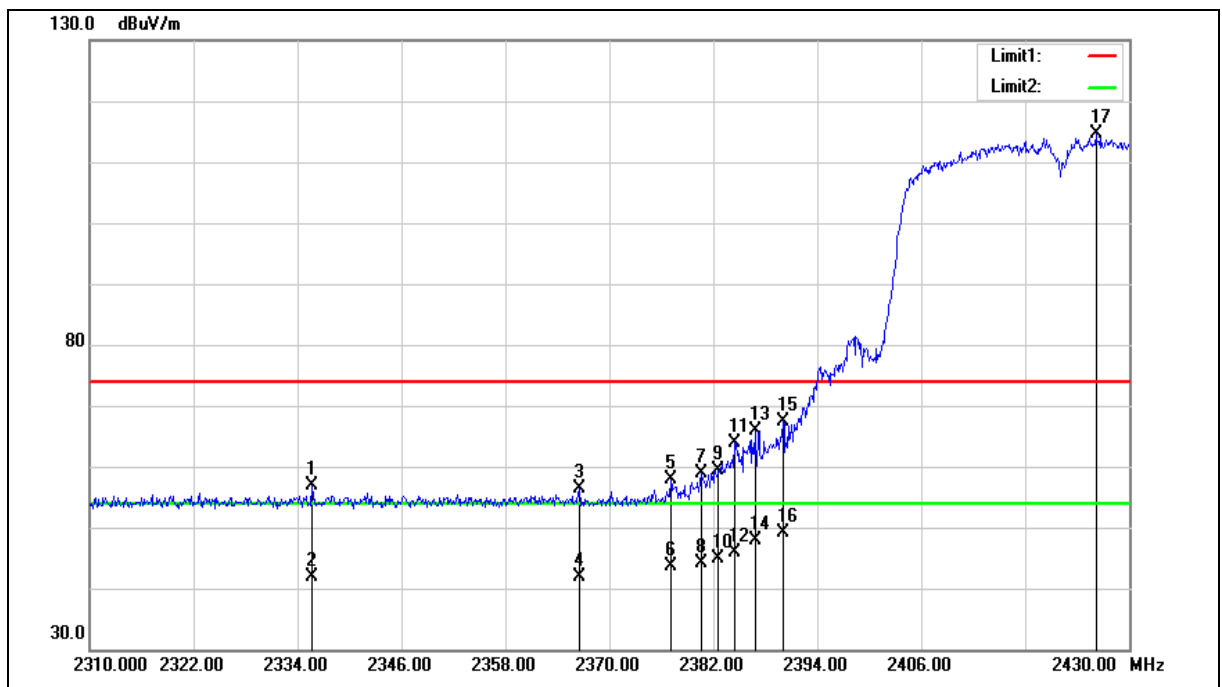
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2323.800	58.88	-1.20	57.68	74.00	-16.32	peak
2	2323.800	42.92	-1.20	41.72	54.00	-12.28	AVG
3	2349.960	56.84	-1.07	55.77	74.00	-18.23	peak
4	2349.960	42.92	-1.07	41.85	54.00	-12.15	AVG
5	2367.360	56.41	-0.99	55.42	74.00	-18.58	peak
6	2367.360	42.81	-0.99	41.82	54.00	-12.18	AVG
7	2390.000	56.09	-0.87	55.22	74.00	-18.78	peak
8	2390.000	42.95	-0.87	42.08	54.00	-11.92	AVG
9	2414.040	102.33	-0.75	101.58	--	--	peak

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

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

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

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



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

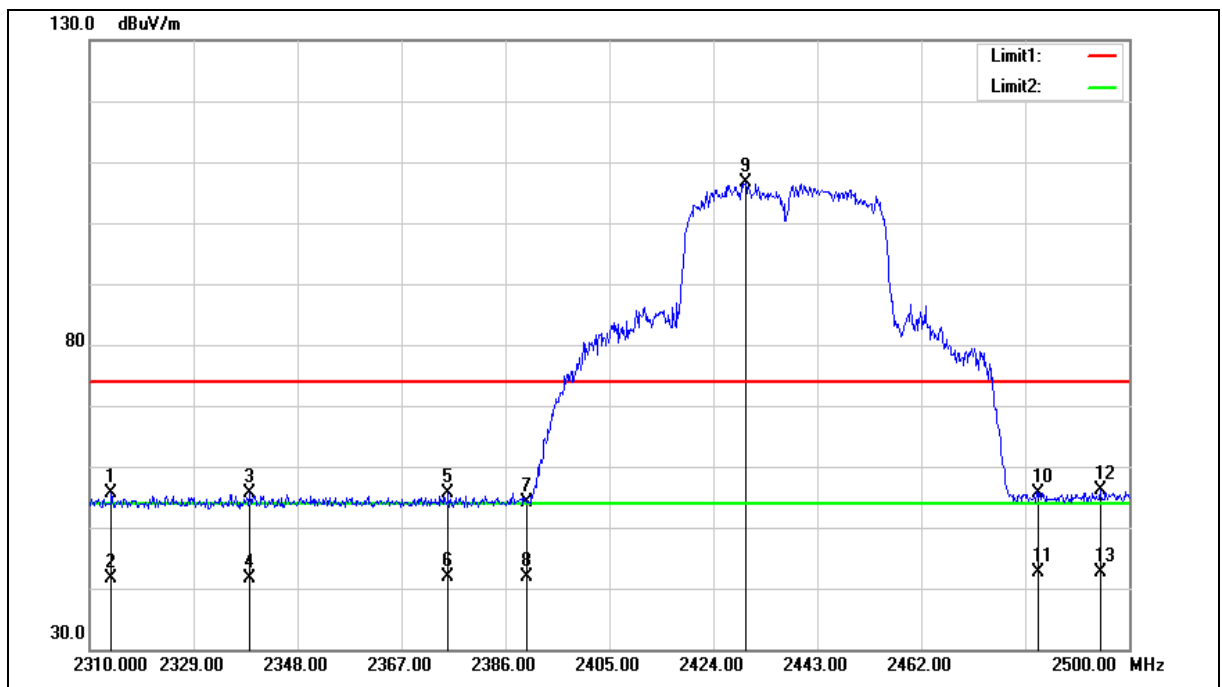
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2335.680	57.94	-1.14	56.80	74.00	-17.20	peak
2	2335.680	42.96	-1.14	41.82	54.00	-12.18	AVG
3	2366.520	57.27	-0.99	56.28	74.00	-17.72	peak
4	2366.520	42.94	-0.99	41.95	54.00	-12.05	AVG
5	2377.080	58.87	-0.94	57.93	74.00	-16.07	peak
6	2377.080	44.56	-0.94	43.62	54.00	-10.38	AVG
7	2380.560	59.78	-0.93	58.85	74.00	-15.15	peak
8	2380.560	44.96	-0.93	44.03	54.00	-9.97	AVG
9	2382.600	60.22	-0.91	59.31	74.00	-14.69	peak
10	2382.600	45.85	-0.91	44.94	54.00	-9.06	AVG
11	2384.520	64.86	-0.90	63.96	74.00	-10.04	peak
12	2384.520	46.83	-0.90	45.93	54.00	-8.07	AVG
13	2386.800	66.80	-0.88	65.92	74.00	-8.08	peak
14	2386.800	48.79	-0.88	47.91	54.00	-6.09	AVG
15	2390.000	68.37	-0.87	67.50	74.00	-6.50	peak
16	2390.000	50.05	-0.87	49.18	54.00	-4.82	AVG
17	2426.160	115.25	-0.69	114.56	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

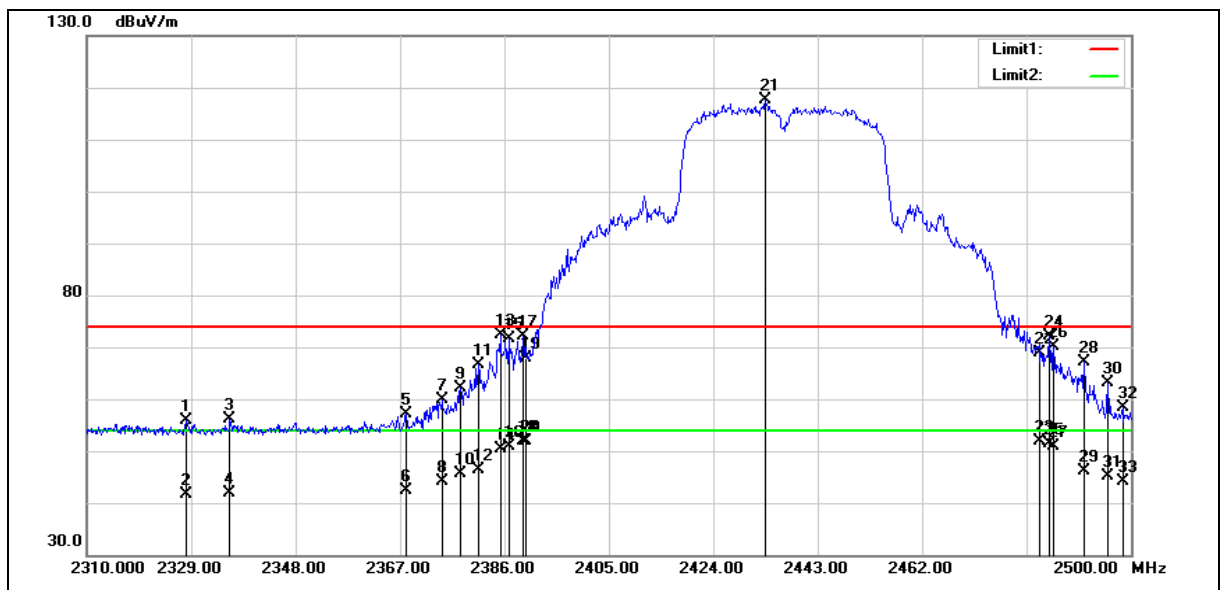
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2313.990	56.94	-1.25	55.69	74.00	-18.31	peak
2	2313.990	42.81	-1.25	41.56	54.00	-12.44	AVG
3	2339.260	56.67	-1.13	55.54	74.00	-18.46	peak
4	2339.260	42.88	-1.13	41.75	54.00	-12.25	AVG
5	2375.550	56.67	-0.94	55.73	74.00	-18.27	peak
6	2375.550	42.79	-0.94	41.85	54.00	-12.15	AVG
7	2390.000	54.92	-0.87	54.05	74.00	-19.95	peak
8	2390.000	42.85	-0.87	41.98	54.00	-12.02	AVG
9	2429.890	107.26	-0.67	106.59	--	--	peak
10	2483.500	55.96	-0.40	55.56	74.00	-18.44	peak
11	2483.500	42.99	-0.40	42.59	54.00	-11.41	AVG
12	2494.680	56.58	-0.34	56.24	74.00	-17.76	peak
13	2494.680	43.05	-0.34	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:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2328.050	57.13	-1.18	55.95	74.00	-18.05	peak
2	2328.050	42.93	-1.18	41.75	54.00	-12.25	AVG
3	2336.030	57.20	-1.14	56.06	74.00	-17.94	peak
4	2336.030	42.97	-1.14	41.83	54.00	-12.17	AVG
5	2368.140	58.03	-0.99	57.04	74.00	-16.96	peak
6	2368.140	43.31	-0.99	42.32	54.00	-11.68	AVG
7	2374.600	60.94	-0.96	59.98	74.00	-14.02	peak
8	2374.600	44.97	-0.96	44.01	54.00	-9.99	AVG
9	2378.020	62.96	-0.93	62.03	74.00	-11.97	peak
10	2378.020	46.65	-0.93	45.72	54.00	-8.28	AVG
11	2381.250	67.65	-0.91	66.74	74.00	-7.26	peak
12	2381.250	47.26	-0.91	46.35	54.00	-7.65	AVG
13	2385.240	72.33	-0.90	71.43	74.00	-2.57	peak
14	2385.240	51.32	-0.90	50.42	54.00	-3.58	AVG
15	2386.760	72.56	-0.89	71.67	74.00	-2.33	peak
16	2386.760	51.81	-0.89	50.92	54.00	-3.08	AVG
17	2389.420	72.81	-0.88	71.93	74.00	-2.07	peak
18	2389.420	52.73	-0.88	51.85	54.00	-2.15	AVG
19	2390.000	68.63	-0.87	67.76	74.00	-6.24	peak
20	2390.000	52.85	-0.87	51.98	54.00	-2.02	AVG
21	2433.500	118.28	-0.65	117.63	--	--	peak
22	2483.500	69.19	-0.40	68.79	74.00	-5.21	peak
23	2483.500	52.36	-0.40	51.96	54.00	-2.04	AVG
24	2485.180	71.94	-0.39	71.55	74.00	-2.45	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

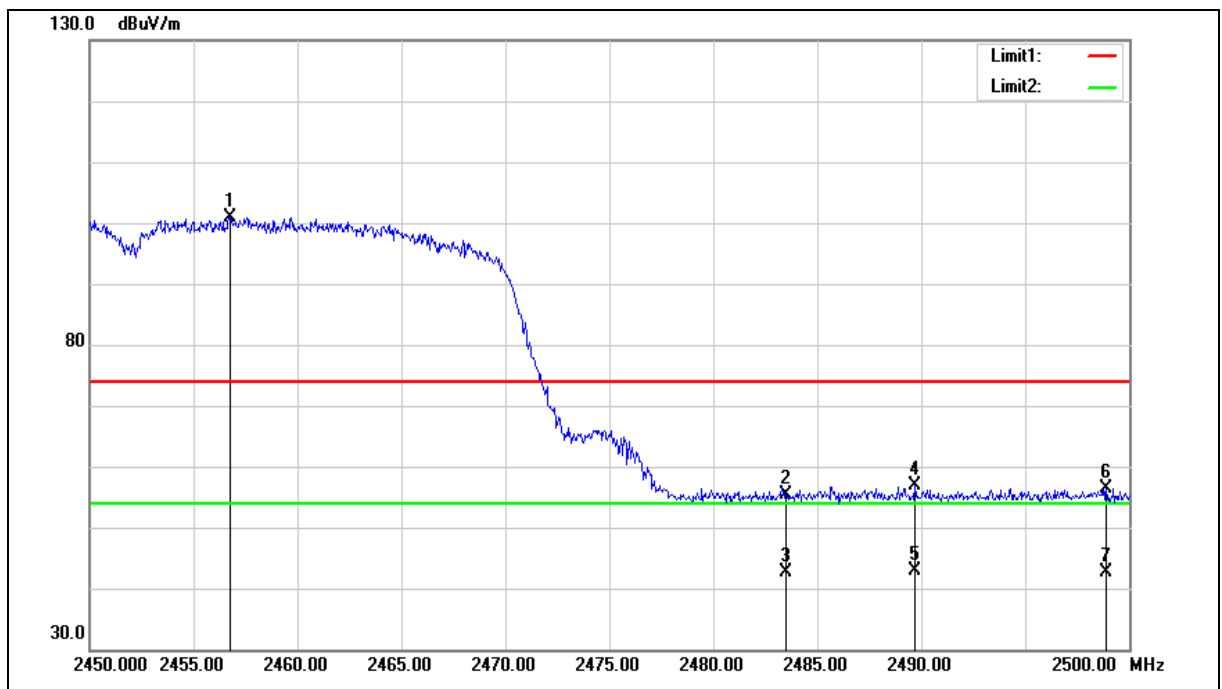
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
25	2485.180	51.67	-0.39	51.28	54.00	-2.72	AVG
26	2485.940	70.50	-0.38	70.12	74.00	-3.88	peak
27	2485.940	51.16	-0.38	50.78	54.00	-3.22	AVG
28	2491.450	67.58	-0.35	67.23	74.00	-6.77	peak
29	2491.450	46.51	-0.35	46.16	54.00	-7.84	AVG
30	2495.820	63.34	-0.33	63.01	74.00	-10.99	peak
31	2495.820	45.46	-0.33	45.13	54.00	-8.87	AVG
32	2498.480	58.69	-0.32	58.37	74.00	-15.63	peak
33	2498.480	44.38	-0.32	44.06	54.00	-9.94	AVG

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

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

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

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



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

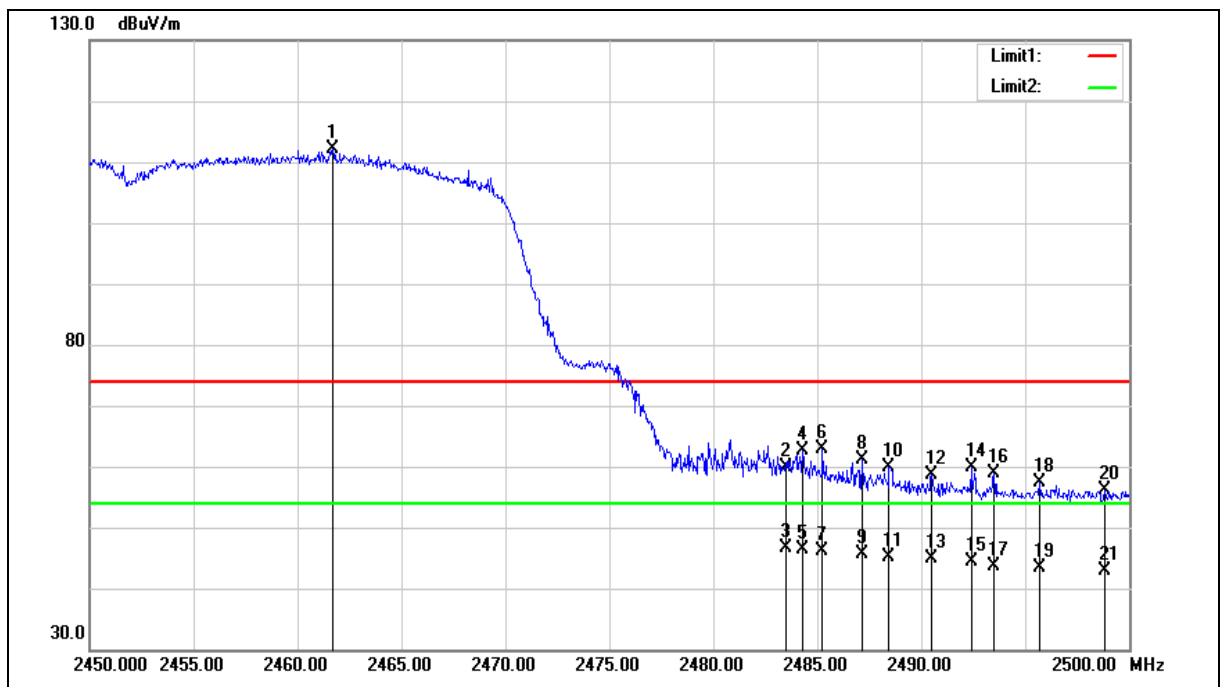
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2456.750	101.44	-0.53	100.91	--	--	peak
2	2483.500	55.74	-0.40	55.34	74.00	-18.66	peak
3	2483.500	43.09	-0.40	42.69	54.00	-11.31	AVG
4	2489.700	57.22	-0.37	56.85	74.00	-17.15	peak
5	2489.700	43.15	-0.37	42.78	54.00	-11.22	AVG
6	2498.900	56.69	-0.31	56.38	74.00	-17.62	peak
7	2498.900	42.84	-0.31	42.53	54.00	-11.47	AVG

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

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

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

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



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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2461.700	112.66	-0.51	112.15	--	--	peak
2	2483.500	60.32	-0.40	59.92	74.00	-14.08	peak
3	2483.500	46.93	-0.40	46.53	54.00	-7.47	AVG
4	2484.300	63.12	-0.39	62.73	74.00	-11.27	peak
5	2484.300	46.71	-0.39	46.32	54.00	-7.68	AVG
6	2485.250	63.34	-0.39	62.95	74.00	-11.05	peak
7	2485.250	46.60	-0.39	46.21	54.00	-7.79	AVG
8	2487.150	61.57	-0.37	61.20	74.00	-12.80	peak
9	2487.150	45.91	-0.37	45.54	54.00	-8.46	AVG
10	2488.450	60.25	-0.37	59.88	74.00	-14.12	peak
11	2488.450	45.56	-0.37	45.19	54.00	-8.81	AVG
12	2490.500	59.01	-0.36	58.65	74.00	-15.35	peak
13	2490.500	45.29	-0.36	44.93	54.00	-9.07	AVG
14	2492.400	60.27	-0.35	59.92	74.00	-14.08	peak
15	2492.400	44.77	-0.35	44.42	54.00	-9.58	AVG
16	2493.500	59.16	-0.34	58.82	74.00	-15.18	peak
17	2493.500	43.97	-0.34	43.63	54.00	-10.37	AVG
18	2495.700	57.64	-0.33	57.31	74.00	-16.69	peak
19	2495.700	43.75	-0.33	43.42	54.00	-10.58	AVG
20	2498.850	56.48	-0.31	56.17	74.00	-17.83	peak
21	2498.850	43.28	-0.31	42.97	54.00	-11.03	AVG

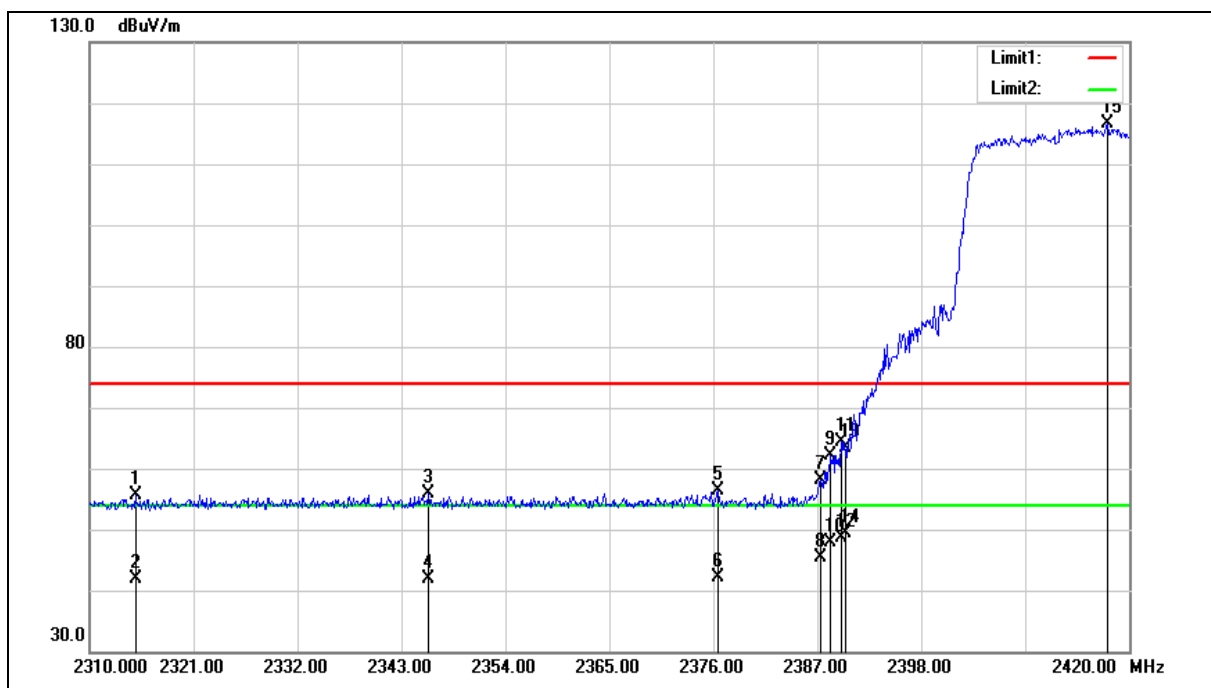
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

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.

Beamforming on

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



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

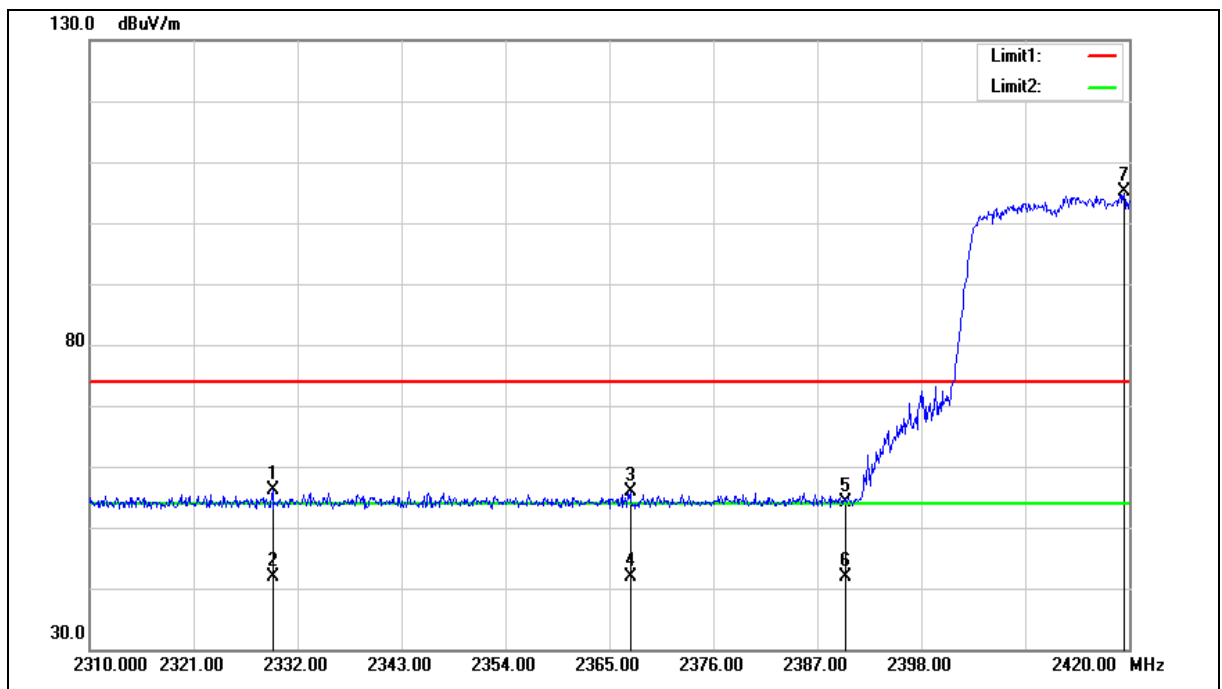
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2314.840	56.84	-1.25	55.59	74.00	-18.41	peak
2	2314.840	43.21	-1.25	41.96	54.00	-12.04	AVG
3	2345.860	56.87	-1.09	55.78	74.00	-18.22	peak
4	2345.860	43.03	-1.09	41.94	54.00	-12.06	AVG
5	2376.440	57.37	-0.94	56.43	74.00	-17.57	peak
6	2376.440	42.96	-0.94	42.02	54.00	-11.98	AVG
7	2387.330	58.94	-0.88	58.06	74.00	-15.94	peak
8	2387.330	46.22	-0.88	45.34	54.00	-8.66	AVG
9	2388.430	63.06	-0.88	62.18	74.00	-11.82	peak
10	2388.430	48.86	-0.88	47.98	54.00	-6.02	AVG
11	2389.530	65.26	-0.88	64.38	74.00	-9.62	peak
12	2389.530	49.46	-0.88	48.58	54.00	-5.42	AVG
13	2390.000	64.28	-0.87	63.41	74.00	-10.59	peak
14	2390.000	50.29	-0.87	49.42	54.00	-4.58	AVG
15	2417.690	117.46	-0.73	116.73	--	--	peak

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

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

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

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



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

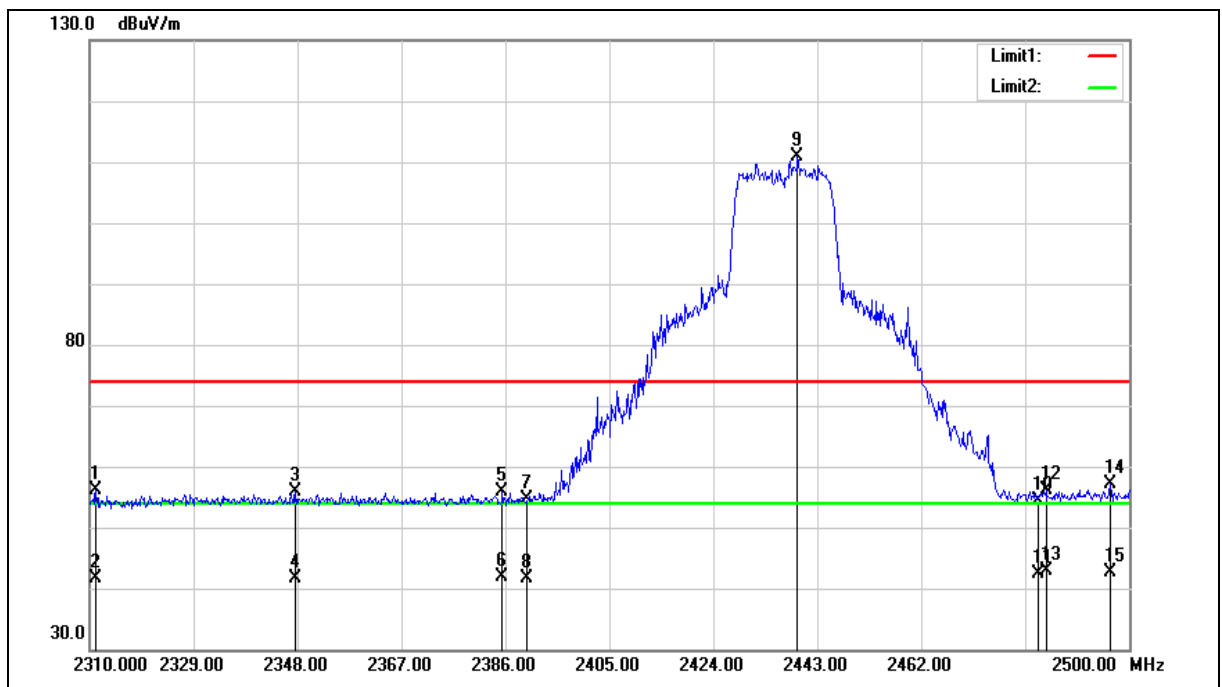
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2329.360	57.39	-1.17	56.22	74.00	-17.78	peak
2	2329.360	42.96	-1.17	41.79	54.00	-12.21	AVG
3	2367.200	56.85	-0.99	55.86	74.00	-18.14	peak
4	2367.200	42.91	-0.99	41.92	54.00	-12.08	AVG
5	2390.000	55.12	-0.87	54.25	74.00	-19.75	peak
6	2390.000	42.73	-0.87	41.86	54.00	-12.14	AVG
7	2419.450	105.82	-0.72	105.10	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

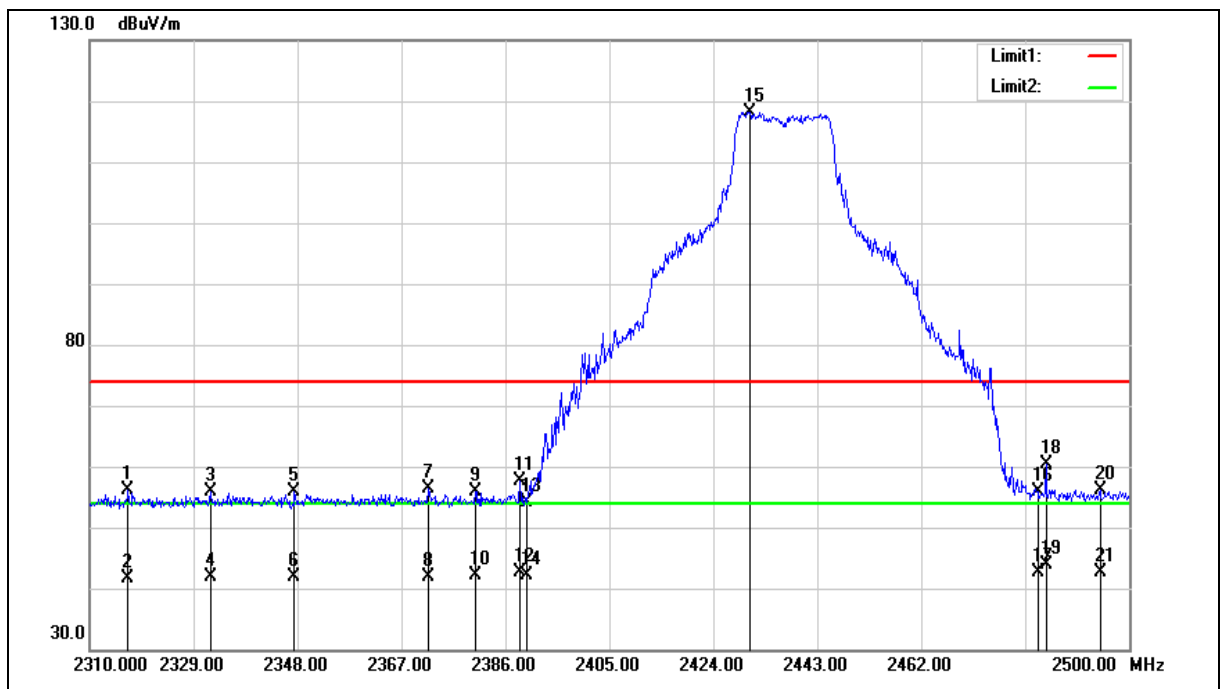
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2311.140	57.39	-1.26	56.13	74.00	-17.87	peak
2	2311.140	42.82	-1.26	41.56	54.00	-12.44	AVG
3	2347.620	56.92	-1.08	55.84	74.00	-18.16	peak
4	2347.620	42.81	-1.08	41.73	54.00	-12.27	AVG
5	2385.430	56.77	-0.90	55.87	74.00	-18.13	peak
6	2385.430	42.86	-0.90	41.96	54.00	-12.04	AVG
7	2390.000	55.54	-0.87	54.67	74.00	-19.33	peak
8	2390.000	42.60	-0.87	41.73	54.00	-12.27	AVG
9	2439.390	111.46	-0.62	110.84	--	--	peak
10	2483.500	54.87	-0.40	54.47	74.00	-19.53	peak
11	2483.500	42.78	-0.40	42.38	54.00	-11.62	AVG
12	2484.800	56.63	-0.39	56.24	74.00	-17.76	peak
13	2484.800	43.28	-0.39	42.89	54.00	-11.11	AVG
14	2496.580	57.48	-0.33	57.15	74.00	-16.85	peak
15	2496.580	43.00	-0.33	42.67	54.00	-11.33	AVG

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		

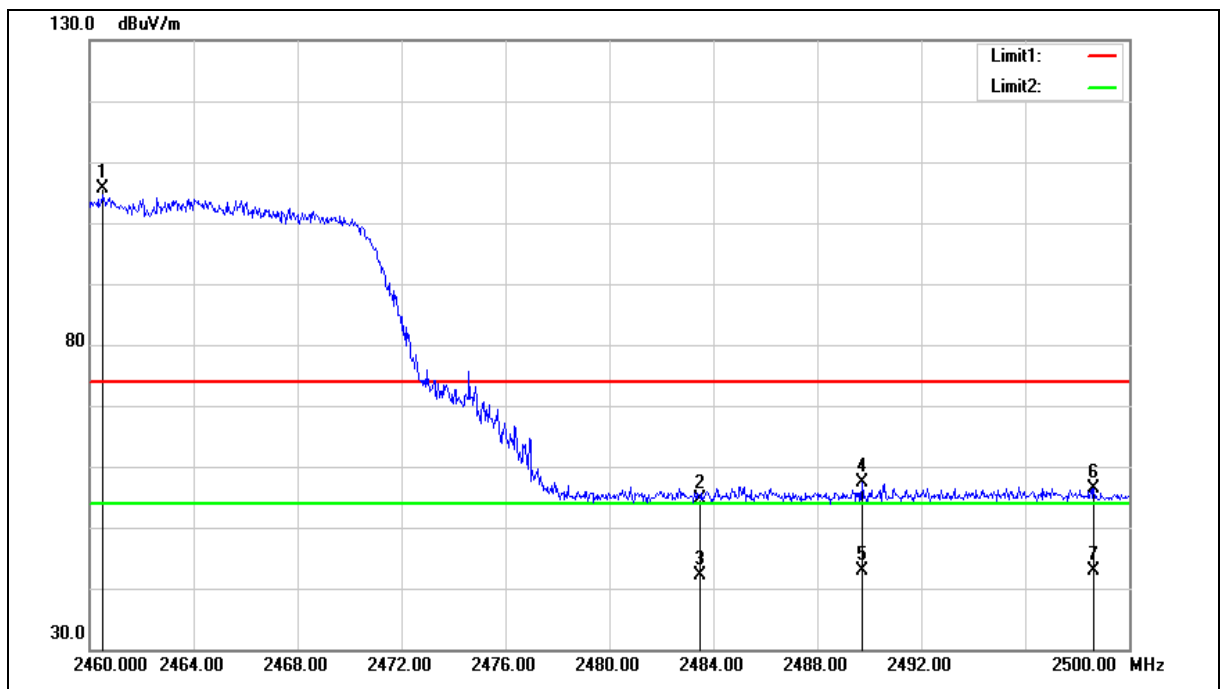
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2317.030	57.38	-1.23	56.15	74.00	-17.85	peak
2	2317.030	42.88	-1.23	41.65	54.00	-12.35	AVG
3	2332.040	57.09	-1.16	55.93	74.00	-18.07	peak
4	2332.040	42.94	-1.16	41.78	54.00	-12.22	AVG
5	2347.430	56.88	-1.08	55.80	74.00	-18.20	peak
6	2347.430	42.92	-1.08	41.84	54.00	-12.16	AVG
7	2371.940	57.38	-0.97	56.41	74.00	-17.59	peak
8	2371.940	42.87	-0.97	41.90	54.00	-12.10	AVG
9	2380.490	56.83	-0.93	55.90	74.00	-18.10	peak
10	2380.490	42.94	-0.93	42.01	54.00	-11.99	AVG
11	2388.660	58.62	-0.88	57.74	74.00	-16.26	peak
12	2388.660	43.60	-0.88	42.72	54.00	-11.28	AVG
13	2390.000	55.08	-0.87	54.21	74.00	-19.79	peak
14	2390.000	42.92	-0.87	42.05	54.00	-11.95	AVG
15	2430.650	118.90	-0.67	118.23	--	--	peak
16	2483.500	56.34	-0.40	55.94	74.00	-18.06	peak
17	2483.500	43.10	-0.40	42.70	54.00	-11.30	AVG
18	2484.800	60.78	-0.39	60.39	74.00	-13.61	peak
19	2484.800	44.18	-0.39	43.79	54.00	-10.21	AVG
20	2494.680	56.36	-0.34	56.02	74.00	-17.98	peak
21	2494.680	43.09	-0.34	42.75	54.00	-11.25	AVG

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

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

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

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



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

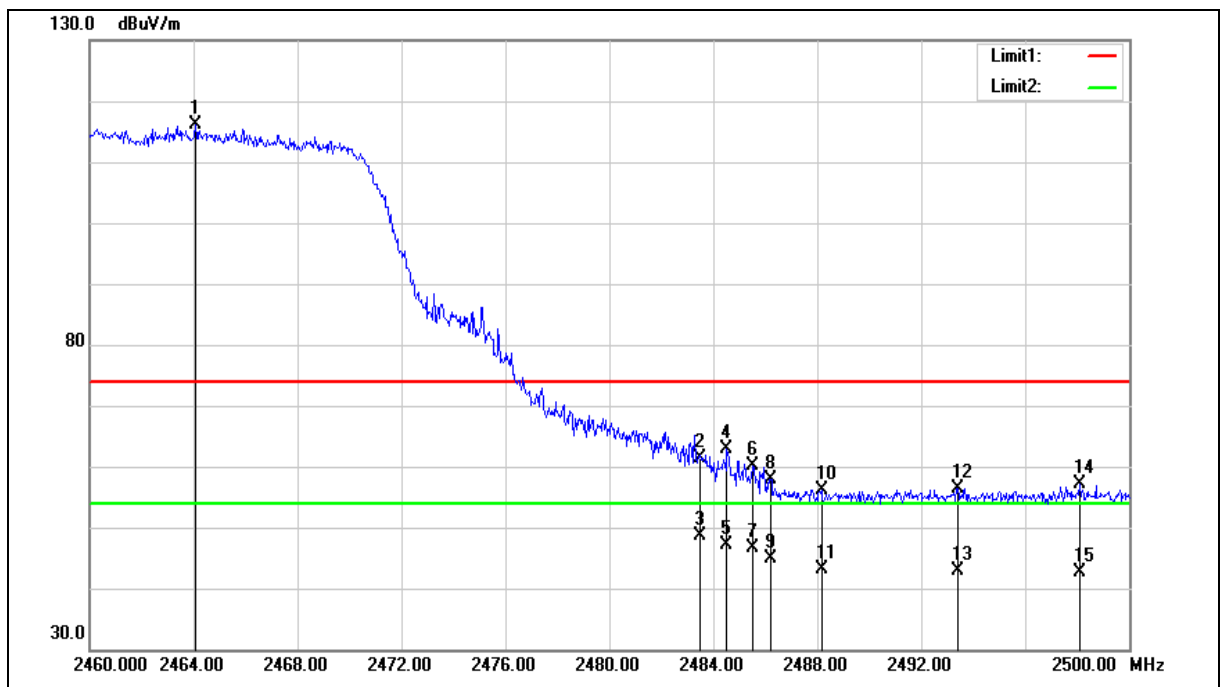
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2460.480	106.15	-0.51	105.64	--	--	peak
2	2483.500	55.13	-0.40	54.73	74.00	-19.27	peak
3	2483.500	42.53	-0.40	42.13	54.00	-11.87	AVG
4	2489.720	57.66	-0.36	57.30	74.00	-16.70	peak
5	2489.720	43.12	-0.36	42.76	54.00	-11.24	AVG
6	2498.640	56.70	-0.31	56.39	74.00	-17.61	peak
7	2498.640	43.29	-0.31	42.98	54.00	-11.02	AVG

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

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

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

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



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

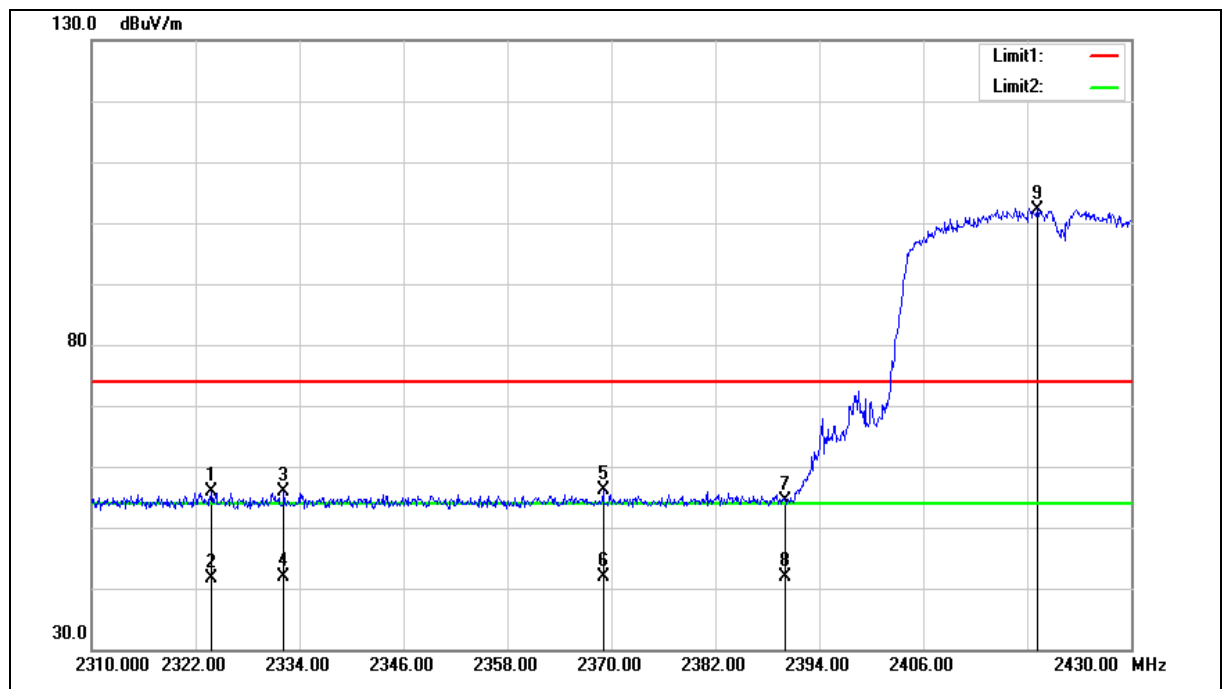
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2464.080	116.63	-0.49	116.14	--	--	peak
2	2483.500	61.69	-0.40	61.29	74.00	-12.71	peak
3	2483.500	49.13	-0.40	48.73	54.00	-5.27	AVG
4	2484.520	63.26	-0.39	62.87	74.00	-11.13	peak
5	2484.520	47.59	-0.39	47.20	54.00	-6.80	AVG
6	2485.520	60.52	-0.38	60.14	74.00	-13.86	peak
7	2485.520	47.10	-0.38	46.72	54.00	-7.28	AVG
8	2486.200	58.33	-0.38	57.95	74.00	-16.05	peak
9	2486.200	45.27	-0.38	44.89	54.00	-9.11	AVG
10	2488.160	56.53	-0.37	56.16	74.00	-17.84	peak
11	2488.160	43.56	-0.37	43.19	54.00	-10.81	AVG
12	2493.400	56.82	-0.34	56.48	74.00	-17.52	peak
13	2493.400	43.15	-0.34	42.81	54.00	-11.19	AVG
14	2498.120	57.33	-0.32	57.01	74.00	-16.99	peak
15	2498.120	42.94	-0.32	42.62	54.00	-11.38	AVG

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

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

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

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



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

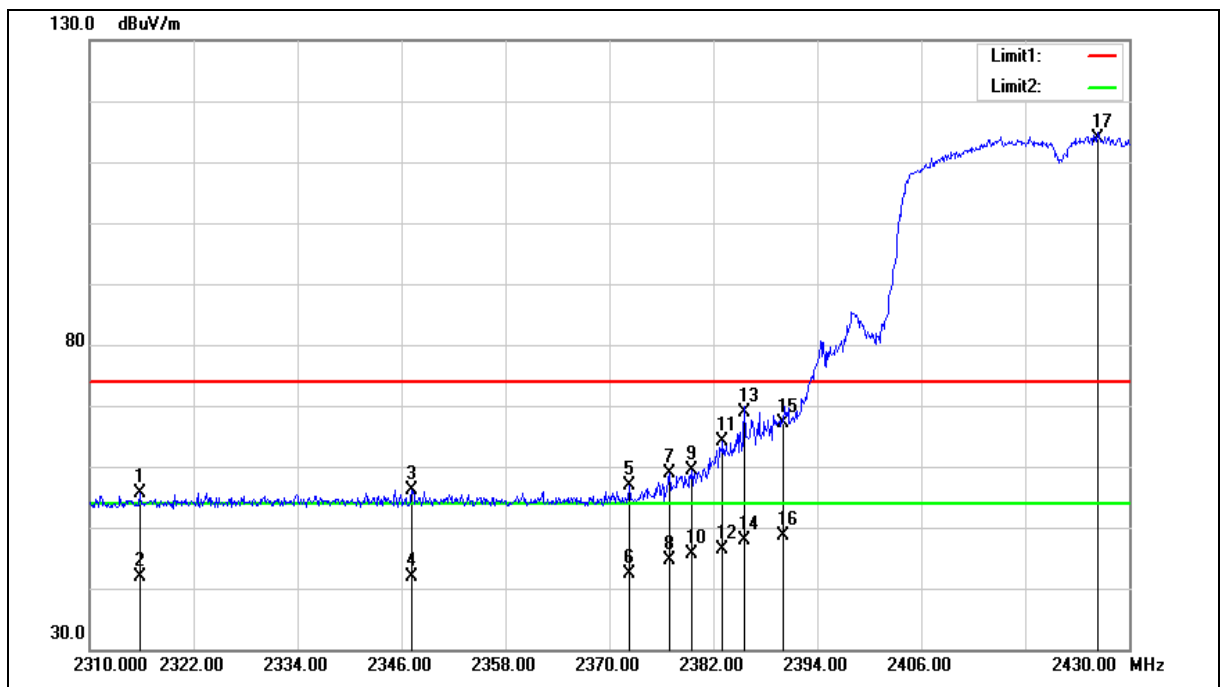
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2323.800	57.00	-1.20	55.80	74.00	-18.20	peak
2	2323.800	42.95	-1.20	41.75	54.00	-12.25	AVG
3	2332.200	57.13	-1.16	55.97	74.00	-18.03	peak
4	2332.200	43.05	-1.16	41.89	54.00	-12.11	AVG
5	2369.040	57.24	-0.99	56.25	74.00	-17.75	peak
6	2369.040	42.91	-0.99	41.92	54.00	-12.08	AVG
7	2390.000	55.22	-0.87	54.35	74.00	-19.65	peak
8	2390.000	42.87	-0.87	42.00	54.00	-12.00	AVG
9	2419.200	102.81	-0.72	102.09	--	--	peak

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

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

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

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



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

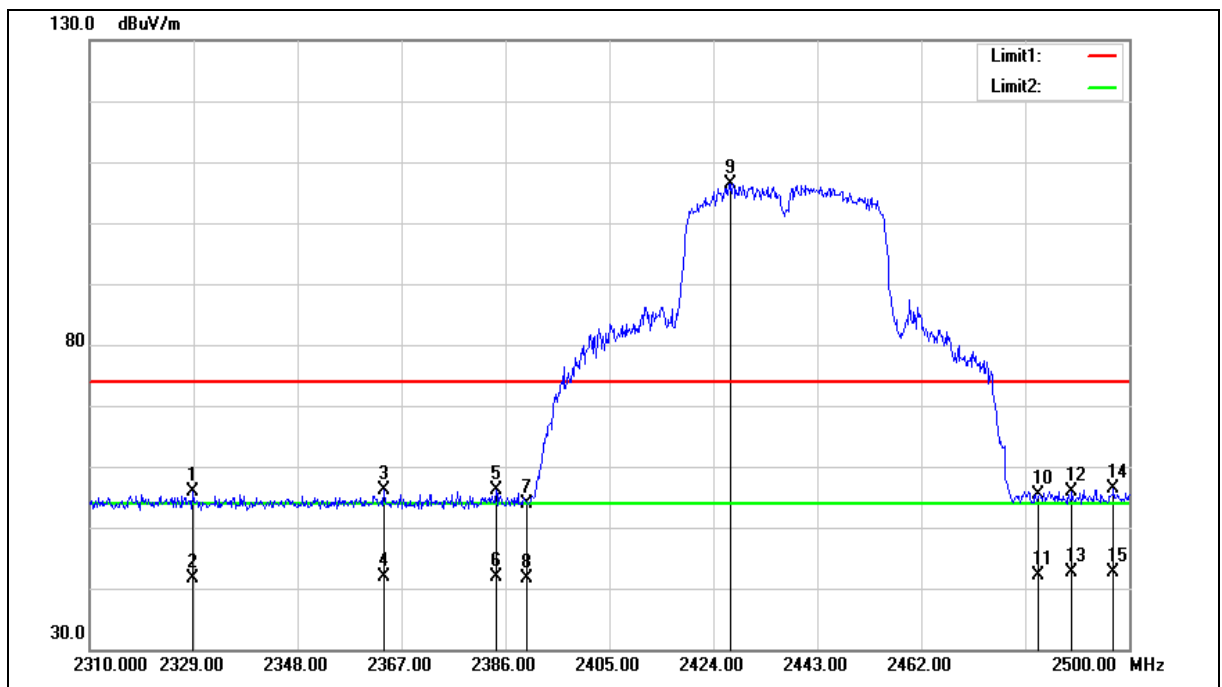
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2315.760	56.94	-1.25	55.69	74.00	-18.31	peak
2	2315.760	43.04	-1.25	41.79	54.00	-12.21	AVG
3	2347.200	57.26	-1.08	56.18	74.00	-17.82	peak
4	2347.200	43.06	-1.08	41.98	54.00	-12.02	AVG
5	2372.280	57.76	-0.96	56.80	74.00	-17.20	peak
6	2372.280	43.44	-0.96	42.48	54.00	-11.52	AVG
7	2376.960	59.71	-0.94	58.77	74.00	-15.23	peak
8	2376.960	45.65	-0.94	44.71	54.00	-9.29	AVG
9	2379.480	60.21	-0.93	59.28	74.00	-14.72	peak
10	2379.480	46.50	-0.93	45.57	54.00	-8.43	AVG
11	2383.080	64.94	-0.91	64.03	74.00	-9.97	peak
12	2383.080	47.25	-0.91	46.34	54.00	-7.66	AVG
13	2385.600	69.74	-0.90	68.84	74.00	-5.16	peak
14	2385.600	48.76	-0.90	47.86	54.00	-6.14	AVG
15	2390.000	68.02	-0.87	67.15	74.00	-6.85	peak
16	2390.000	49.56	-0.87	48.69	54.00	-5.31	AVG
17	2426.400	114.51	-0.69	113.82	--	--	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:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

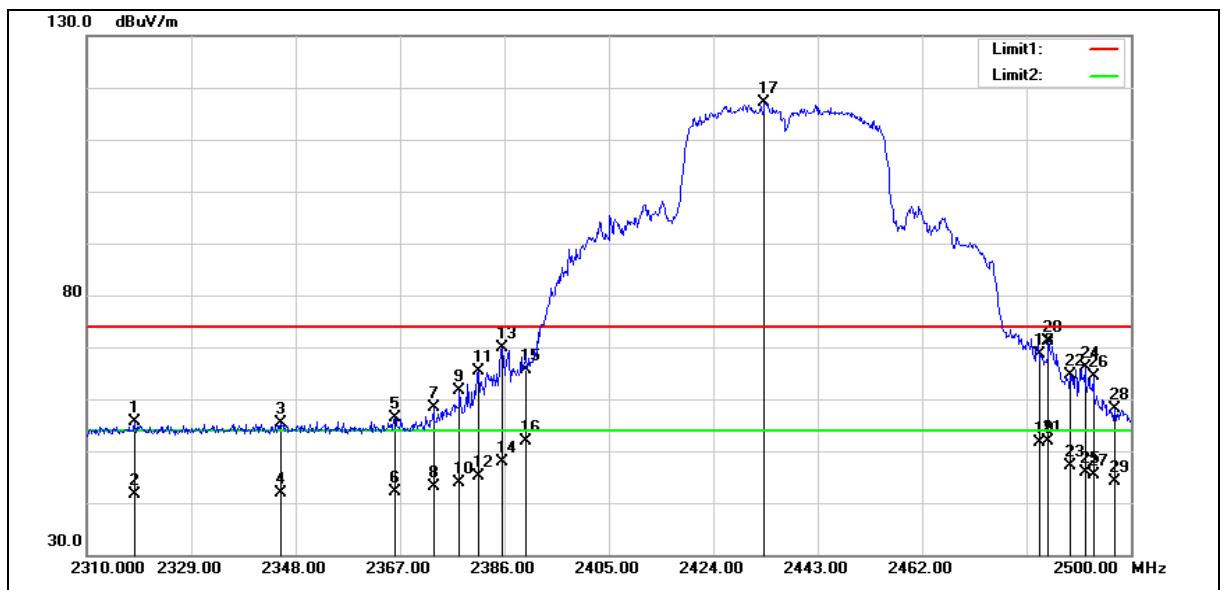
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2328.810	57.01	-1.17	55.84	74.00	-18.16	peak
2	2328.810	42.86	-1.17	41.69	54.00	-12.31	AVG
3	2363.770	57.01	-1.00	56.01	74.00	-17.99	peak
4	2363.770	42.84	-1.00	41.84	54.00	-12.16	AVG
5	2384.290	56.98	-0.90	56.08	74.00	-17.92	peak
6	2384.290	42.87	-0.90	41.97	54.00	-12.03	AVG
7	2390.000	54.84	-0.87	53.97	74.00	-20.03	peak
8	2390.000	42.56	-0.87	41.69	54.00	-12.31	AVG
9	2427.040	107.15	-0.69	106.46	--	--	peak
10	2483.500	55.70	-0.40	55.30	74.00	-18.70	peak
11	2483.500	42.55	-0.40	42.15	54.00	-11.85	AVG
12	2489.550	56.30	-0.37	55.93	74.00	-18.07	peak
13	2489.550	43.00	-0.37	42.63	54.00	-11.37	AVG
14	2497.150	56.81	-0.32	56.49	74.00	-17.51	peak
15	2497.150	43.02	-0.32	42.70	54.00	-11.30	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:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2318.740	56.74	-1.23	55.51	74.00	-18.49	peak
2	2318.740	42.94	-1.23	41.71	54.00	-12.29	AVG
3	2345.340	56.43	-1.10	55.33	74.00	-18.67	peak
4	2345.340	42.99	-1.10	41.89	54.00	-12.11	AVG
5	2366.050	57.38	-1.00	56.38	74.00	-17.62	peak
6	2366.050	43.17	-1.00	42.17	54.00	-11.83	AVG
7	2373.080	59.36	-0.96	58.40	74.00	-15.60	peak
8	2373.080	44.19	-0.96	43.23	54.00	-10.77	AVG
9	2377.830	62.61	-0.94	61.67	74.00	-12.33	peak
10	2377.830	44.81	-0.94	43.87	54.00	-10.13	AVG
11	2381.250	66.25	-0.91	65.34	74.00	-8.66	peak
12	2381.250	46.12	-0.91	45.21	54.00	-8.79	AVG
13	2385.620	70.67	-0.90	69.77	74.00	-4.23	peak
14	2385.620	48.66	-0.90	47.76	54.00	-6.24	AVG
15	2390.000	66.53	-0.87	65.66	74.00	-8.34	peak
16	2390.000	52.71	-0.87	51.84	54.00	-2.16	AVG
17	2433.310	117.69	-0.65	117.04	--	--	peak
18	2483.500	68.97	-0.40	68.57	74.00	-5.43	peak
19	2483.500	52.10	-0.40	51.70	54.00	-2.30	AVG
20	2484.990	71.42	-0.39	71.03	74.00	-2.97	peak
21	2484.990	52.23	-0.39	51.84	54.00	-2.16	AVG
22	2488.980	64.89	-0.37	64.52	74.00	-9.48	peak
23	2488.980	47.45	-0.37	47.08	54.00	-6.92	AVG
24	2491.640	66.38	-0.35	66.03	74.00	-7.97	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

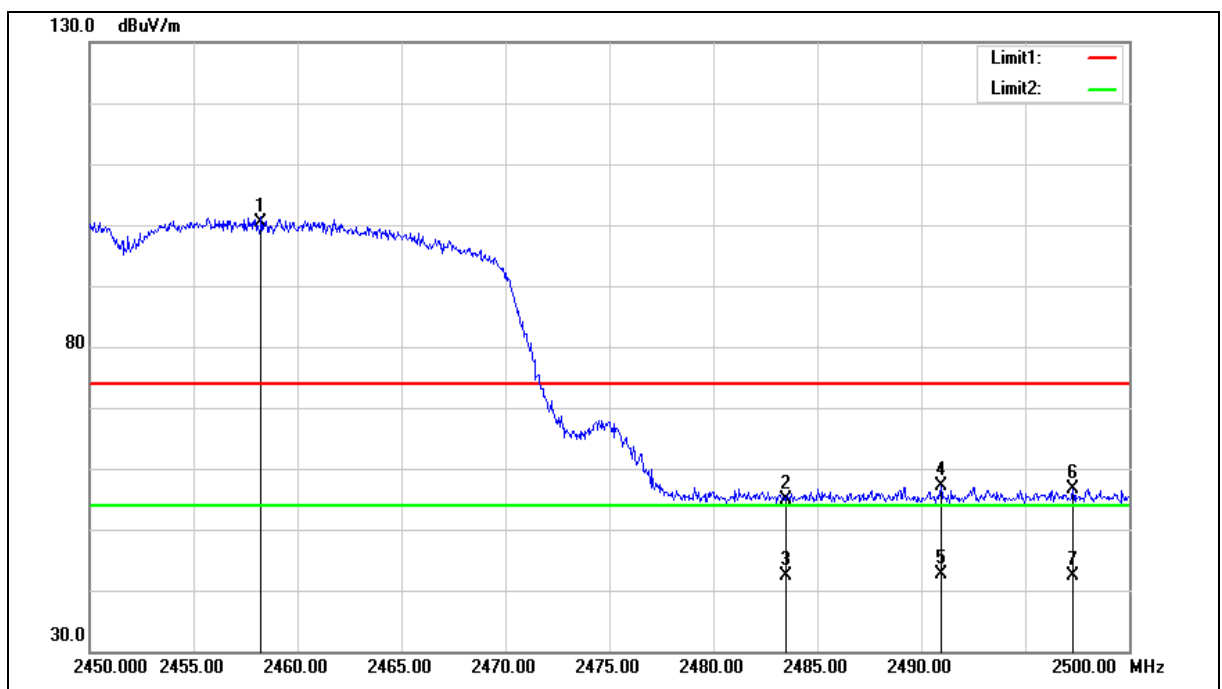
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
25	2491.640	46.20	-0.35	45.85	54.00	-8.15	AVG
26	2493.160	64.70	-0.34	64.36	74.00	-9.64	peak
27	2493.160	45.71	-0.34	45.37	54.00	-8.63	AVG
28	2496.960	58.51	-0.33	58.18	74.00	-15.82	peak
29	2496.960	44.56	-0.33	44.23	54.00	-9.77	AVG

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

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

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

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



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

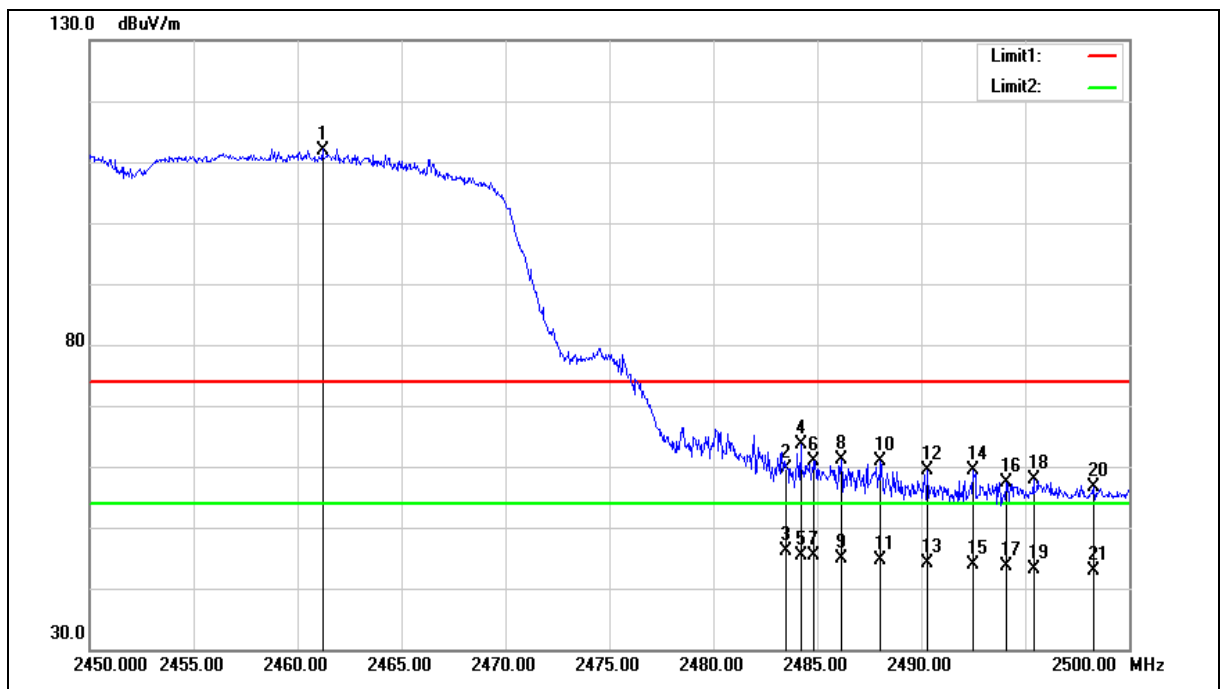
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2458.250	100.95	-0.52	100.43	--	--	peak
2	2483.500	55.21	-0.40	54.81	74.00	-19.19	peak
3	2483.500	42.68	-0.40	42.28	54.00	-11.72	AVG
4	2490.950	57.54	-0.36	57.18	74.00	-16.82	peak
5	2490.950	43.05	-0.36	42.69	54.00	-11.31	AVG
6	2497.300	57.04	-0.32	56.72	74.00	-17.28	peak
7	2497.300	42.66	-0.32	42.34	54.00	-11.66	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:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2452 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



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

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2461.200	112.36	-0.51	111.85	--	--	peak
2	2483.500	60.08	-0.40	59.68	74.00	-14.32	peak
3	2483.500	46.44	-0.40	46.04	54.00	-7.96	AVG
4	2484.200	64.11	-0.39	63.72	74.00	-10.28	peak
5	2484.200	45.82	-0.39	45.43	54.00	-8.57	AVG
6	2484.850	61.37	-0.39	60.98	74.00	-13.02	peak
7	2484.850	45.66	-0.39	45.27	54.00	-8.73	AVG
8	2486.150	61.56	-0.38	61.18	74.00	-12.82	peak
9	2486.150	45.24	-0.38	44.86	54.00	-9.14	AVG
10	2488.050	61.16	-0.37	60.79	74.00	-13.21	peak
11	2488.050	44.89	-0.37	44.52	54.00	-9.48	AVG
12	2490.300	59.77	-0.36	59.41	74.00	-14.59	peak
13	2490.300	44.46	-0.36	44.10	54.00	-9.90	AVG
14	2492.500	59.66	-0.35	59.31	74.00	-14.69	peak
15	2492.500	44.15	-0.35	43.80	54.00	-10.20	AVG
16	2494.100	57.75	-0.34	57.41	74.00	-16.59	peak
17	2494.100	43.86	-0.34	43.52	54.00	-10.48	AVG
18	2495.400	58.26	-0.34	57.92	74.00	-16.08	peak
19	2495.400	43.45	-0.34	43.11	54.00	-10.89	AVG
20	2498.300	57.03	-0.32	56.71	74.00	-17.29	peak
21	2498.300	43.28	-0.32	42.96	54.00	-11.04	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.

4.2.2 最大傳導輸出功率之量測

合格標準：

依據 NCC 低功率射頻電機技術規範(LP0002)之 3.10.1.2(1)(C)節之要求，操作於 2400-2483.5 兆赫(MHz)數位調變技術系統：1 瓦(W)(含)以下

Diversity mode：

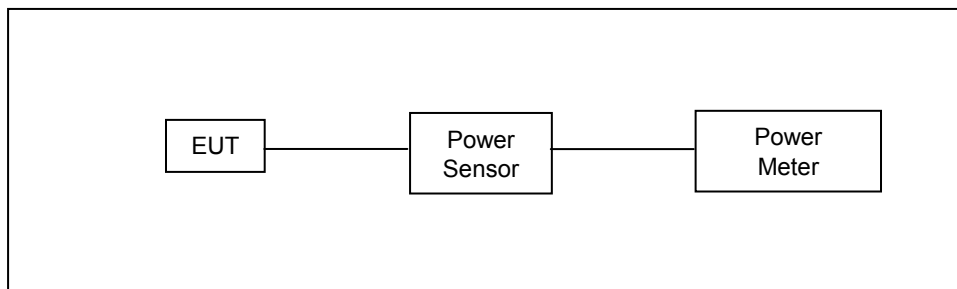
Directional = Max. Gain：4.5 dBi < 6 dBi

MIMO/BF mode：

Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\}$ = 7.51 dBi > 6 dBi

* power limit shall be reduced = 30 – 1.51 = 28.49 dBm

測試架構圖：



測試結果:

操作模式：Mode 2 / Mode 3 / Mode 4 / Mode 5					
操作模式	Data Rate (Mbps)	頻道 CH	最大傳導輸出功率(Average)		Limit (dBm)
			ANT-0		
			dBm	W	
Mode 2	1	01	17.82	0.061	≤ 30.00
		06	18.83	0.076	≤ 30.00
		11	17.85	0.061	≤ 30.00
Mode 3	6	01	16.90	0.049	≤ 30.00
		06	19.03	0.080	≤ 30.00
		11	17.32	0.054	≤ 30.00
Mode 4	13	01	17.82	0.061	≤ 28.49
		06	19.31	0.085	≤ 28.49
		11	17.66	0.058	≤ 28.49
Mode 5	27	03	15.25	0.033	≤ 28.49
		06	19.54	0.090	≤ 28.49
		09	16.90	0.049	≤ 28.49

操作模式：Mode 2 / Mode 3 / Mode 4 / Mode 5					
操作模式	Data Rate (Mbps)	頻道 CH	輸出功率(Average)		Limit (dBm)
			ANT-1		
			dBm	W	
Mode 2	1	01	17.70	0.059	≤ 30.00
		06	16.79	0.048	≤ 30.00
		11	17.17	0.052	≤ 30.00
Mode 3	6	01	16.85	0.048	≤ 30.00
		06	16.55	0.045	≤ 30.00
		11	16.70	0.047	≤ 30.00
Mode 4	13	01	17.62	0.058	≤ 28.49
		06	17.33	0.054	≤ 28.49
		11	17.31	0.054	≤ 28.49
Mode 5	27	03	15.42	0.035	≤ 28.49
		06	17.00	0.050	≤ 28.49
		09	16.97	0.050	≤ 28.49

操作模式： Mode 4 / Mode 5					
操作模式	Data Rate (Mbps)	頻道 CH	輸出功率(Average)		Limit (dBm)
			ANT-0+1		
			dBm	W	
Mode 4	13	01	20.73	0.118	≤ 28.49
		06	21.44	0.139	≤ 28.49
		11	20.50	0.112	≤ 28.49
Mode 5	27	03	18.35	0.068	≤ 28.49
		06	21.46	0.140	≤ 28.49
		09	19.95	0.099	≤ 28.49

Beamforming on

操作模式： Mode 4 / Mode 5					
操作模式	Data Rate (Mbps)	頻道 CH	最大傳導輸出功率(Average)		Limit (dBm)
			ANT-0		
			dBm	W	
Mode 4	13	01	14.12	0.026	≤ 28.49
		06	15.96	0.039	≤ 28.49
		11	13.75	0.024	≤ 28.49
Mode 5	27	03	11.72	0.015	≤ 28.49
		06	16.10	0.041	≤ 28.49
		09	13.28	0.021	≤ 28.49

操作模式：Mode 4 / Mode 5					
操作模式	Data Rate (Mbps)	頻道 CH	輸出功率(Average)		Limit (dBm)
			ANT-1		
			dBm	W	
Mode 4	13	01	14.00	0.025	≤ 28.49
		06	14.33	0.027	≤ 28.49
		11	13.62	0.023	≤ 28.49
Mode 5	27	03	11.67	0.015	≤ 28.49
		06	13.86	0.024	≤ 28.49
		09	12.76	0.019	≤ 28.49

操作模式：Mode 4 / Mode 5					
操作模式	Data Rate (Mbps)	頻道 CH	輸出功率(Average)		Limit (dBm)
			ANT-0+1		
			dBm	W	
Mode 4	13	01	17.07	0.051	≤ 28.49
		06	18.23	0.067	≤ 28.49
		11	16.70	0.047	≤ 28.49
Mode 5	27	03	14.71	0.030	≤ 28.49
		06	18.13	0.065	≤ 28.49
		09	16.04	0.040	≤ 28.49

4.2.3 天線規格之要求

合格標準:

依據 NCC 低功率射頻電機技術規範(LP0002)之 3.10.1.3(3)節之要求,除 3.10.1.3(1)及 3.10.1.3(2)外,使用超過 6 dBi 方向增益之發射天線時,應依超過 6 dBi 天線方向增益的 dBi 總量,等量減少最大傳導輸出功率限制值。

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

判定結果:

符合。

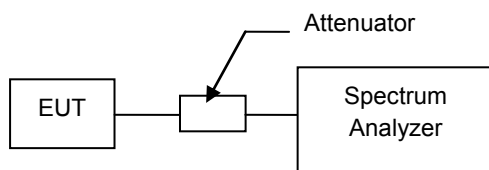
Antenna		廠牌	型號	型態	增益值(dBi)
2.4 GHz	ANT-0	HUAWEI	WS5200-30-2.4G-1	外接式天線	4.5
	ANT-1	HUAWEI	WS5200-30-2.4G-2	外接式天線	4.5

4.2.4 非必要頻帶之量測

合格標準：

發射限制：使用頻帶範圍外之任意 100 千赫 (kHz)內，發射器所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 千赫 (kHz)內的射頻功率，須衰減 30 分貝(dB)，以射頻傳導或輻射方式測量。

測試架構圖：



測試結果：

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

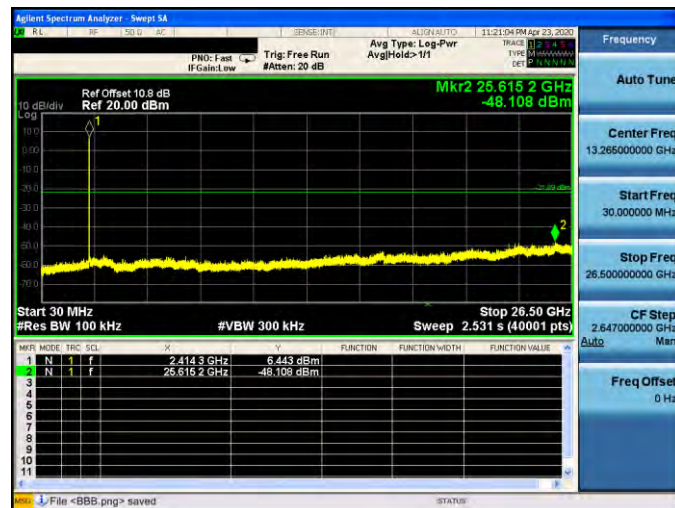
附註 1: 於使用頻帶範圍之任意 100 千赫 (kHz)內，發射器所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 千赫 (kHz)內的射頻功率，衰減 30 分貝(dB)以上，符合規定。

附註 2: 測試結果頻帶外之輻射雜訊皆小於主頻 TX 30 dB。

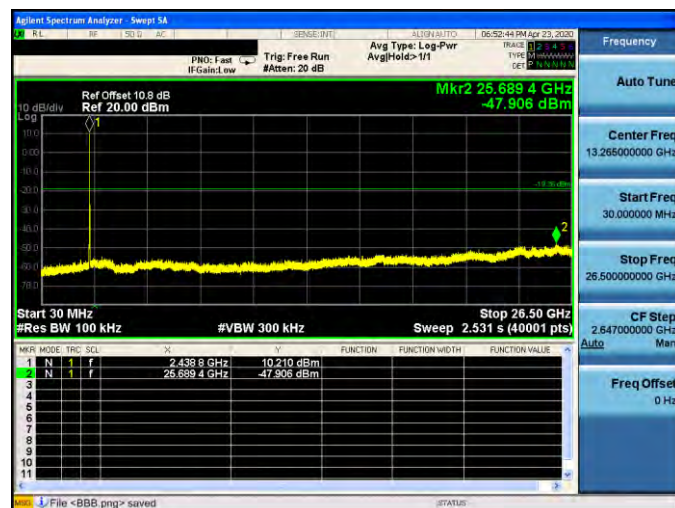
Out of Band Conducted Spurious Emission

Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0

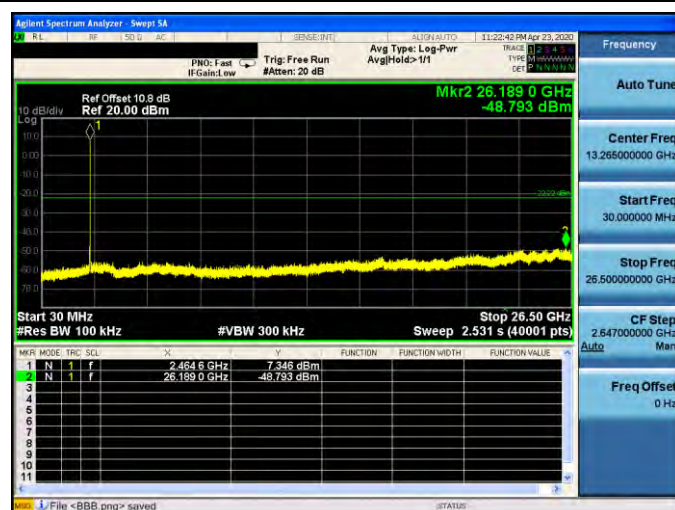
CH01

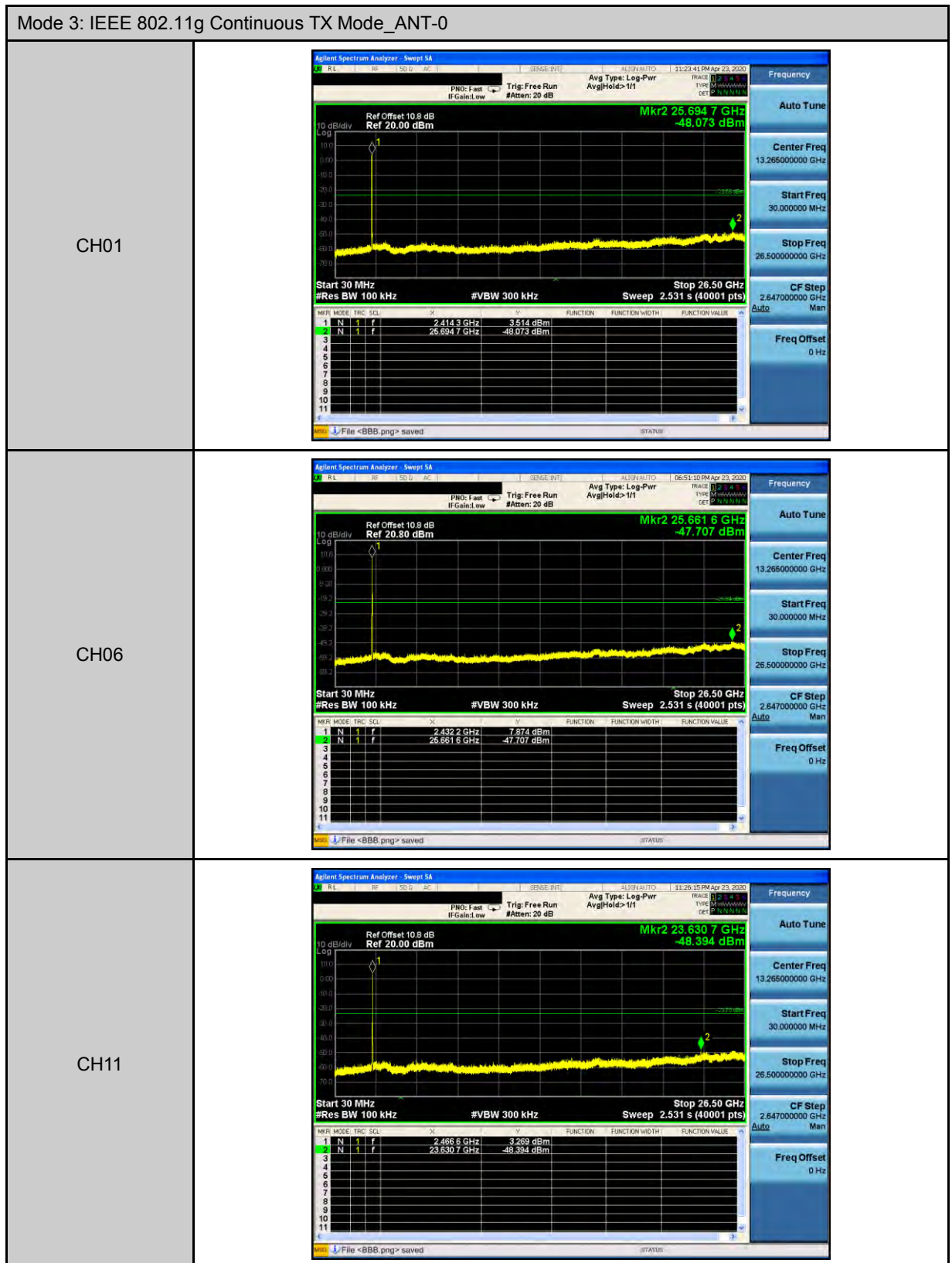


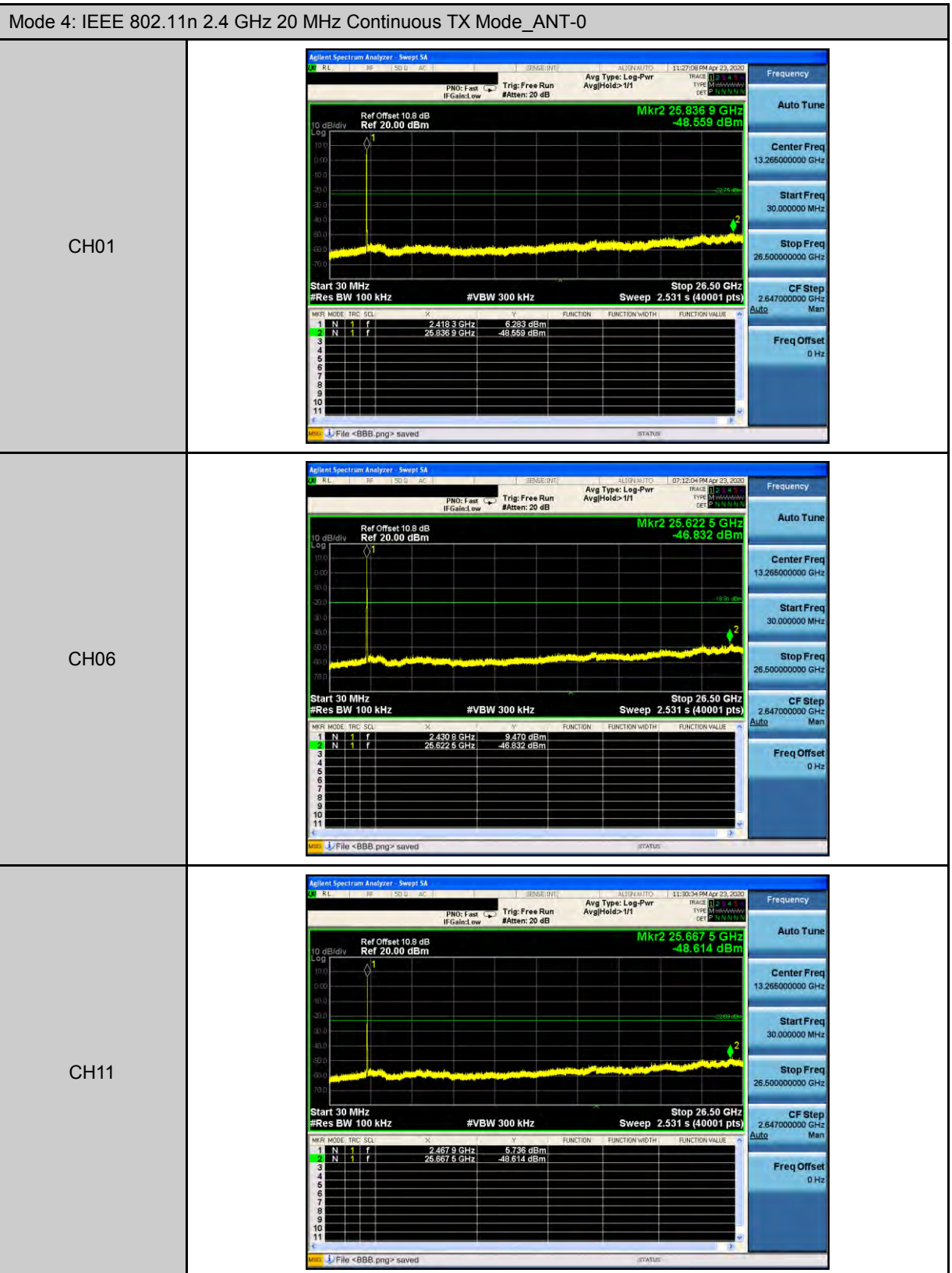
CH06



CH11

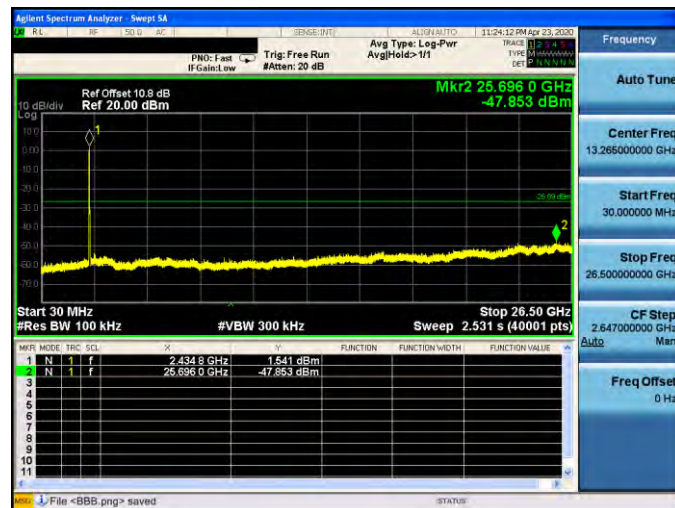




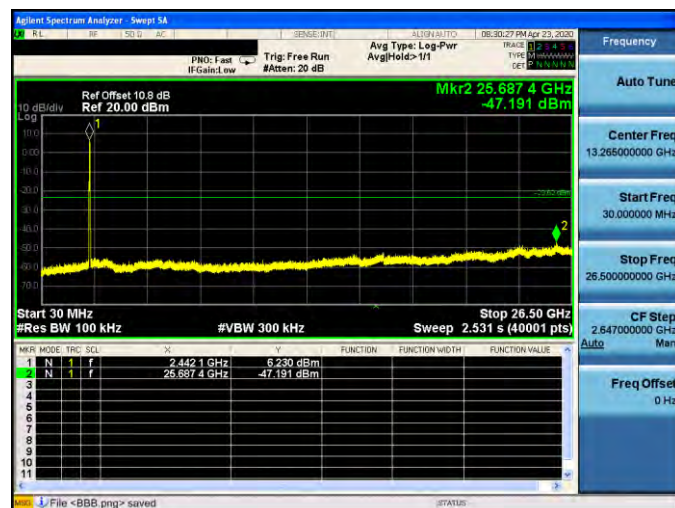


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-0

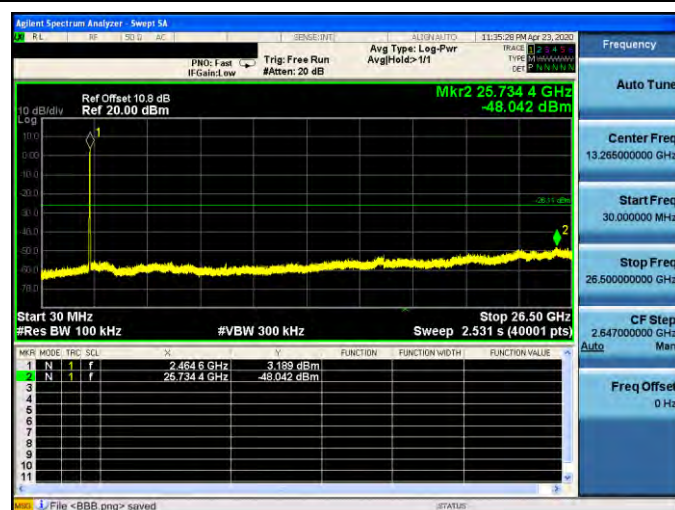
CH03

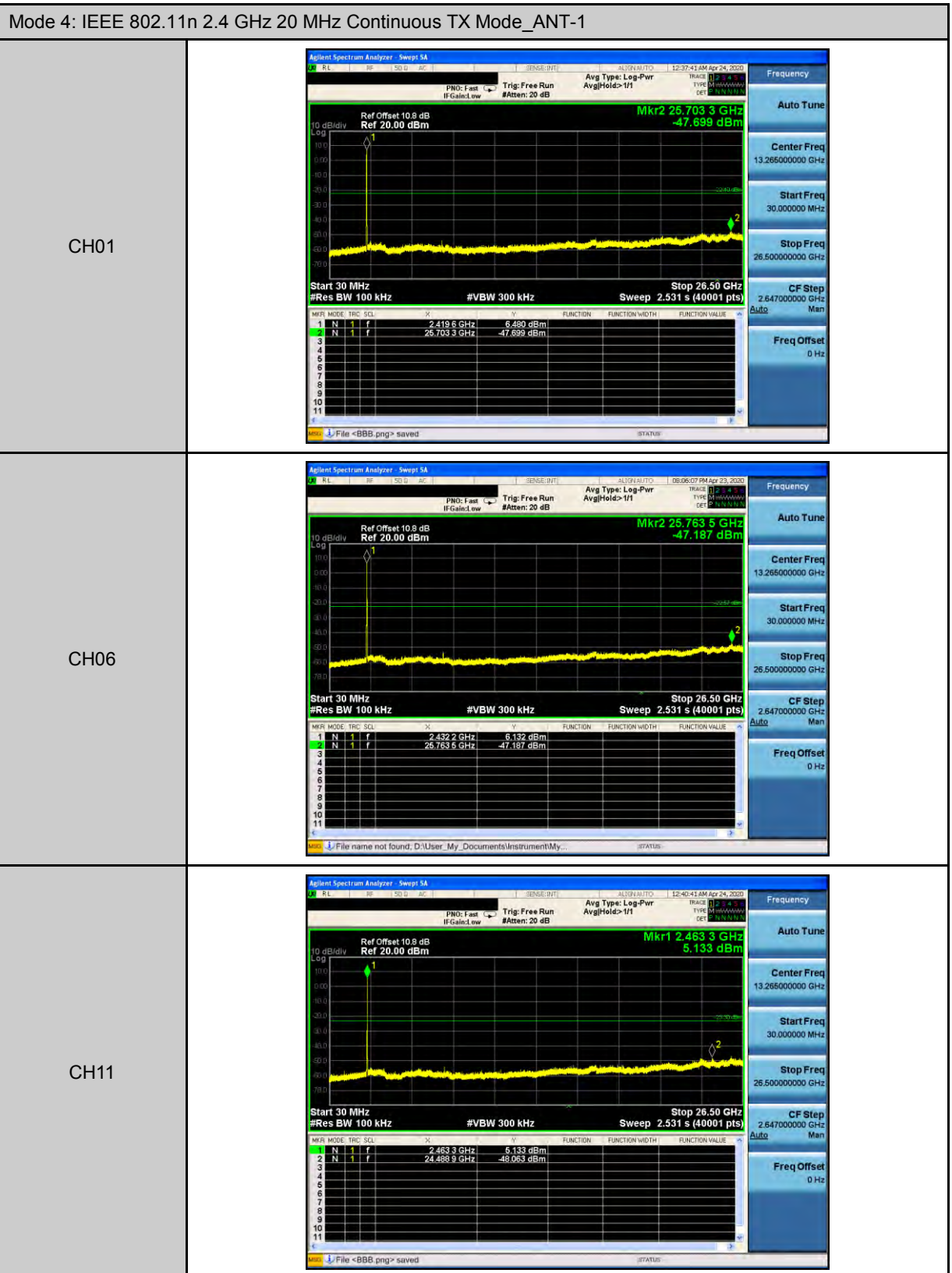


CH06



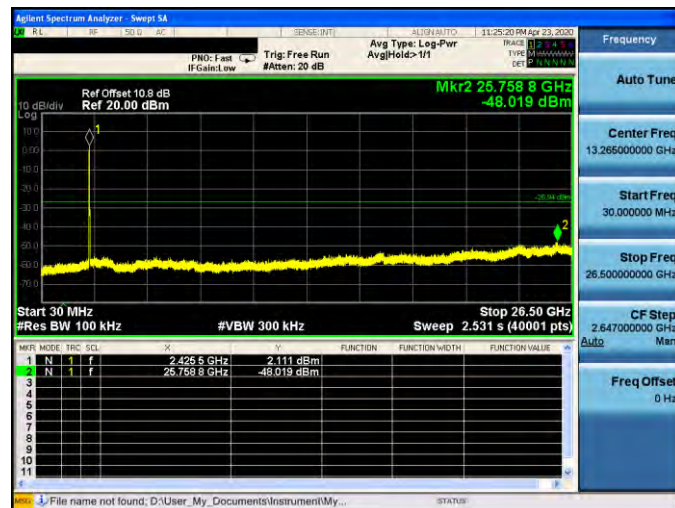
CH09



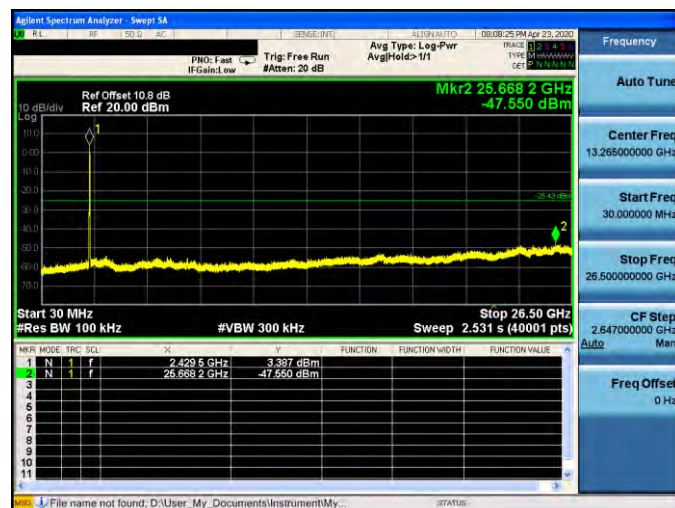


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-1

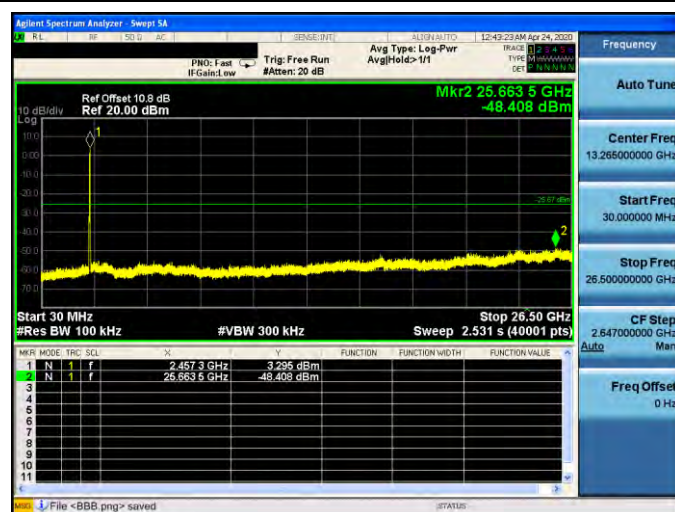
CH03



CH06

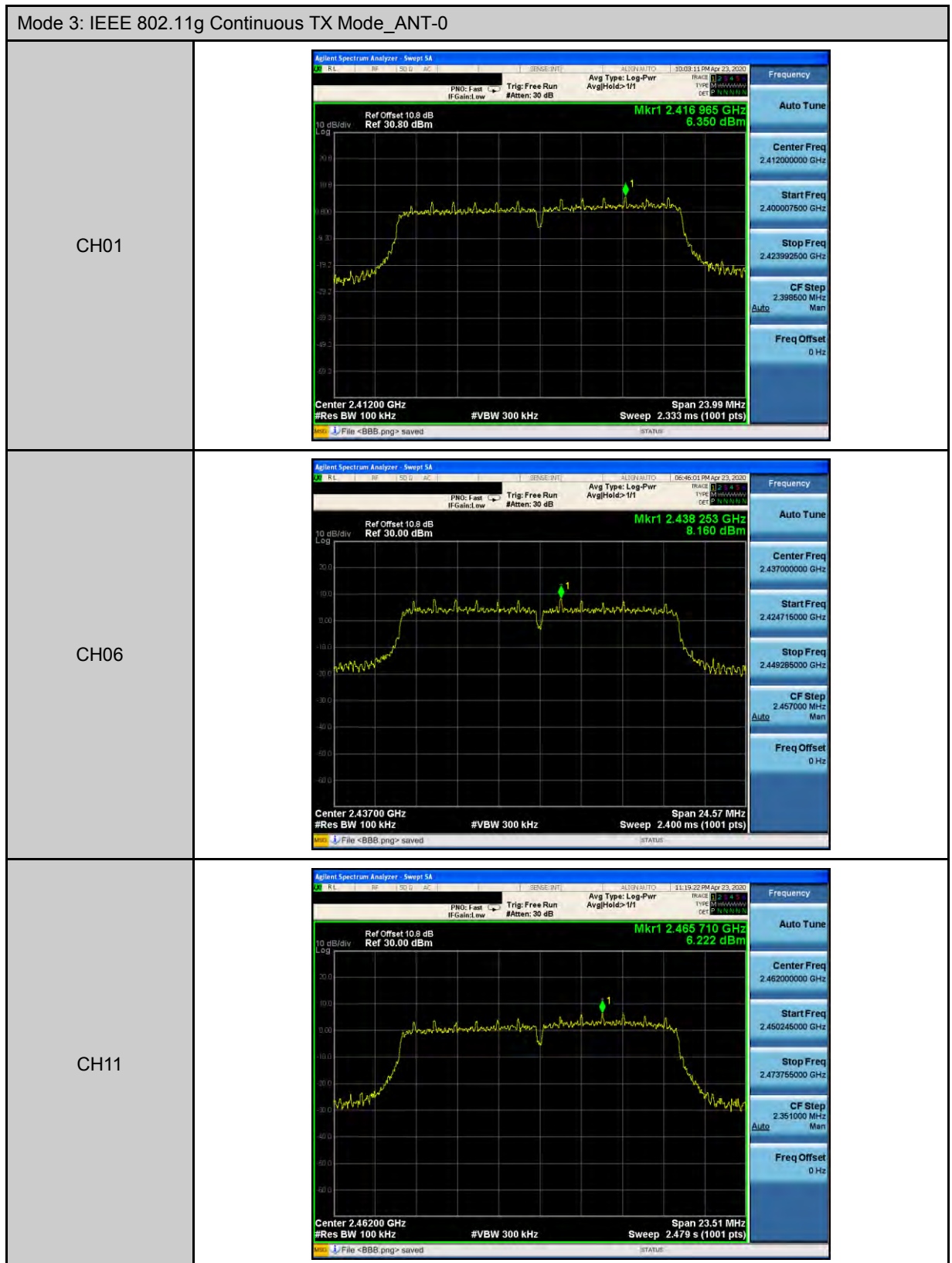


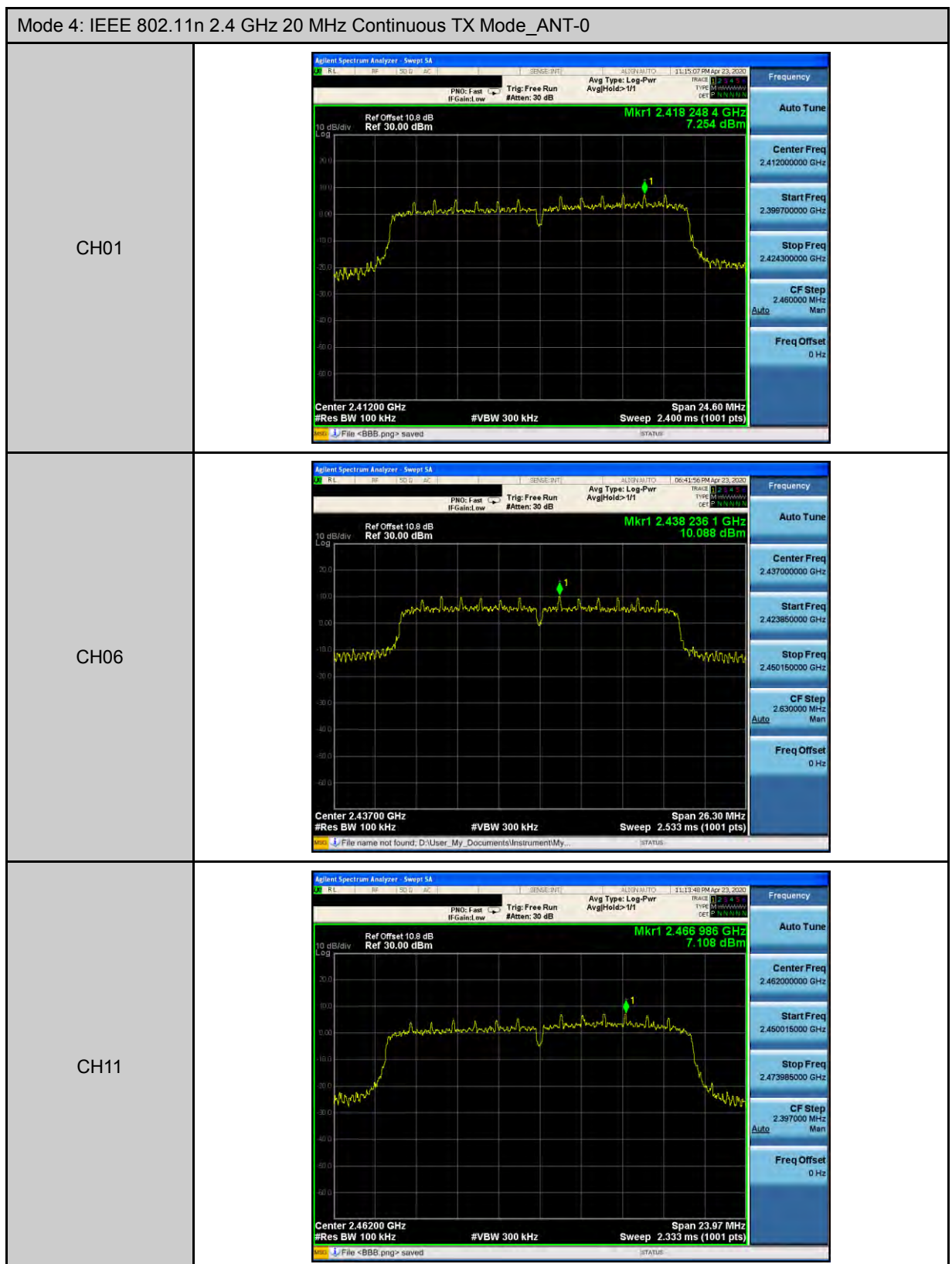
CH09

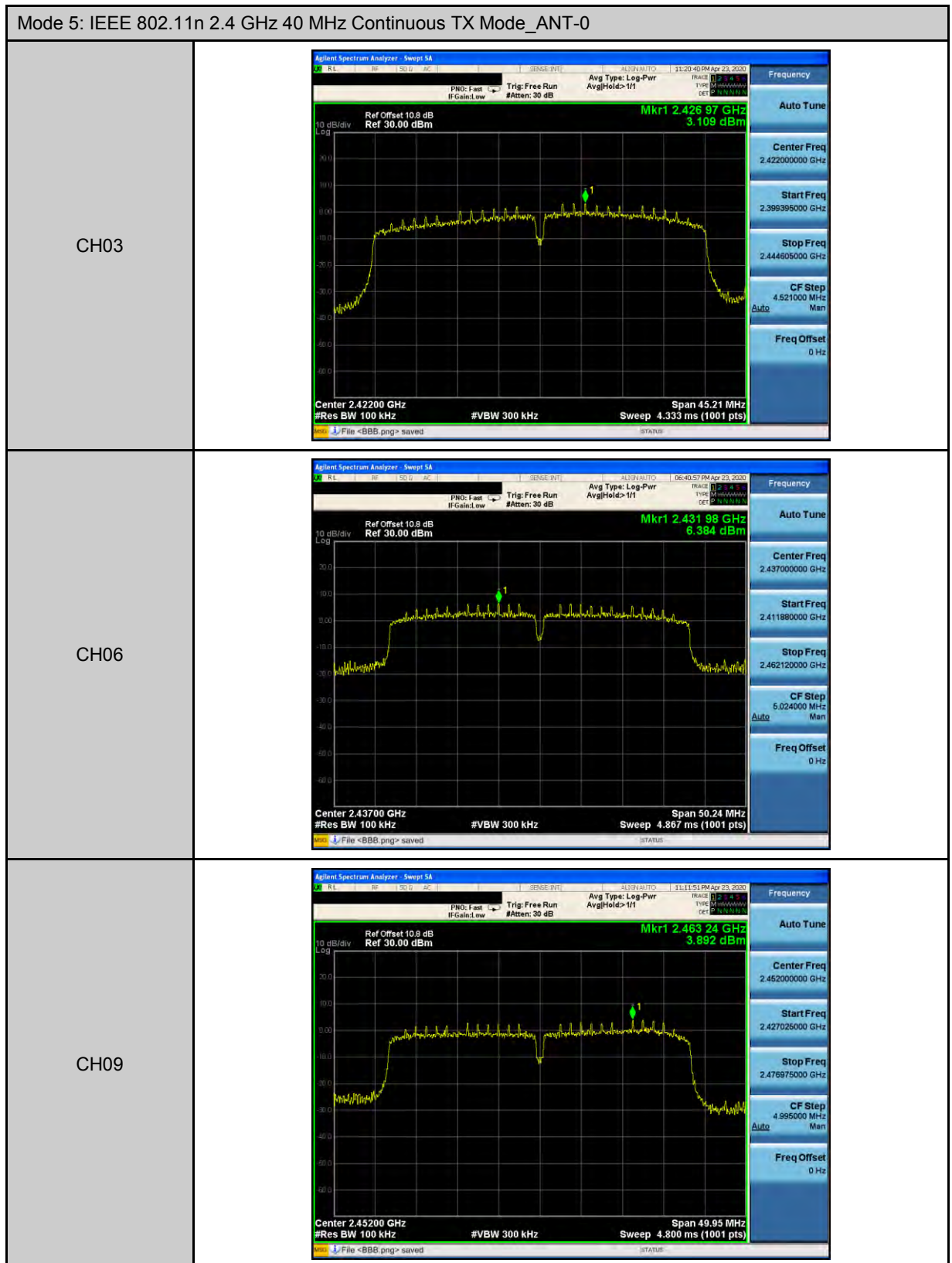


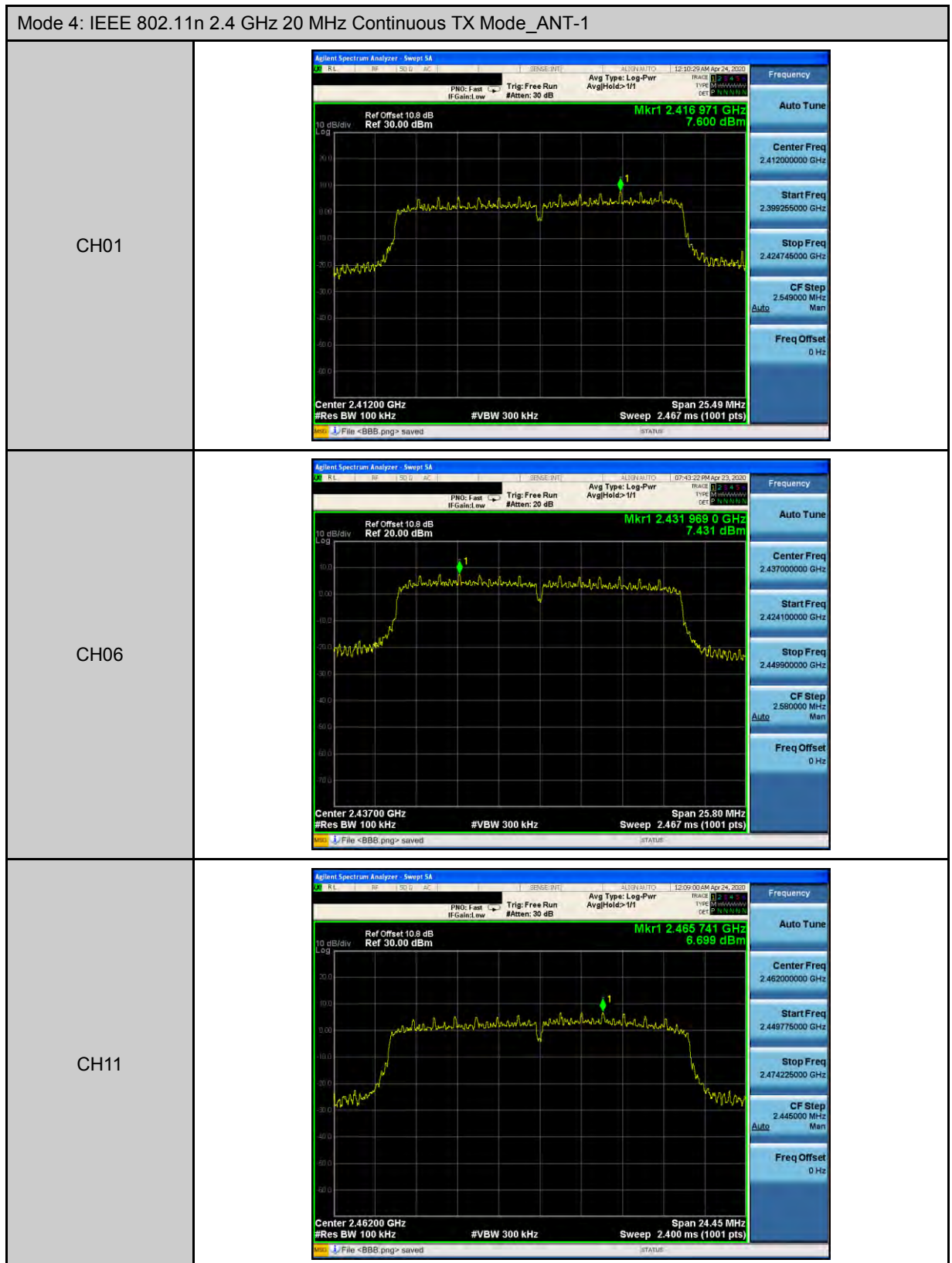
Reference level

Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0	
CH01	 Agilent Spectrum Analyzer - Swept SA Ref Offset: 10.0 dB Ref: 30.00 dBm Mkr1 2.413 487 GHz 8.113 dBm Center 2.412000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.267 ms (1001 pts) Span 12.93 MHz File <BBB.png> saved Frequency Auto Tune Center Freq 2.41200000 GHz Start Freq 2.405535000 GHz Stop Freq 2.418465000 GHz CF Step 1.293000 MHz Auto Man Freq Offset 0 Hz
CH06	 Agilent Spectrum Analyzer - Swept SA Ref Offset: 10.0 dB Ref: 30.00 dBm Mkr1 2.435 485 GHz 10.641 dBm Center 2.437000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.333 ms (1001 pts) Span 13.65 MHz File <BBB.png> saved Frequency Auto Tune Center Freq 2.43700000 GHz Start Freq 2.430175000 GHz Stop Freq 2.443825000 GHz CF Step 1.365000 MHz Auto Man Freq Offset 0 Hz
CH11	 Agilent Spectrum Analyzer - Swept SA Ref Offset: 10.0 dB Ref: 30.00 dBm Mkr1 2.463 972 GHz 7.783 dBm Center 2.462000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.267 ms (1001 pts) Span 12.89 MHz File <BBB.png> saved Frequency Auto Tune Center Freq 2.46200000 GHz Start Freq 2.455555000 GHz Stop Freq 2.468445000 GHz CF Step 1.289000 MHz Auto Man Freq Offset 0 Hz









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

CH03



CH06



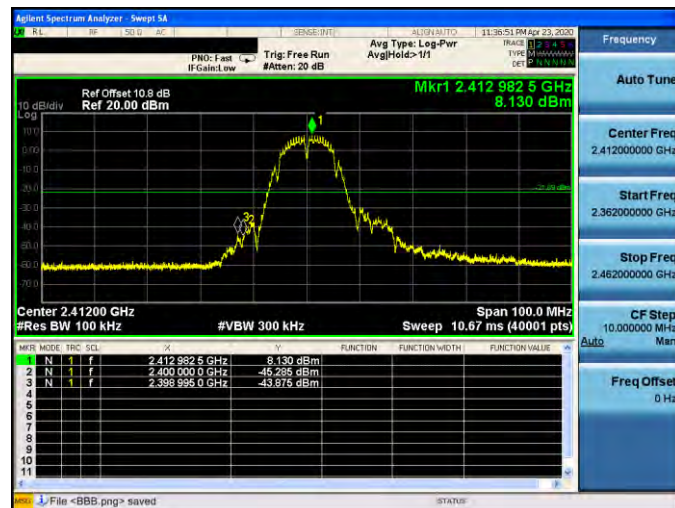
CH09



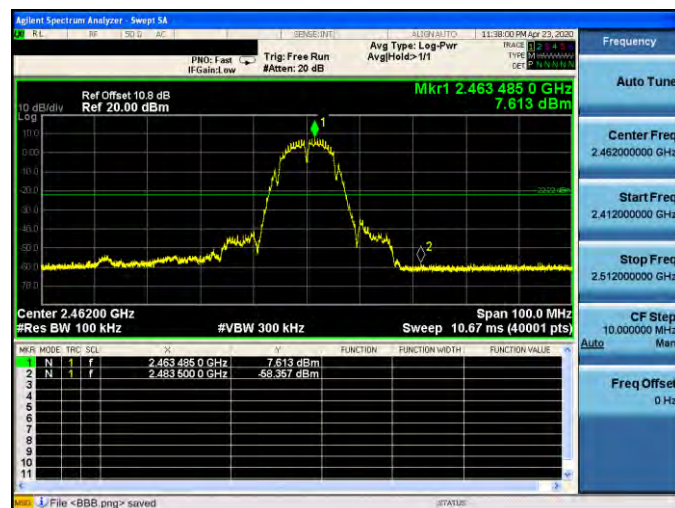
Conducted Band Edge

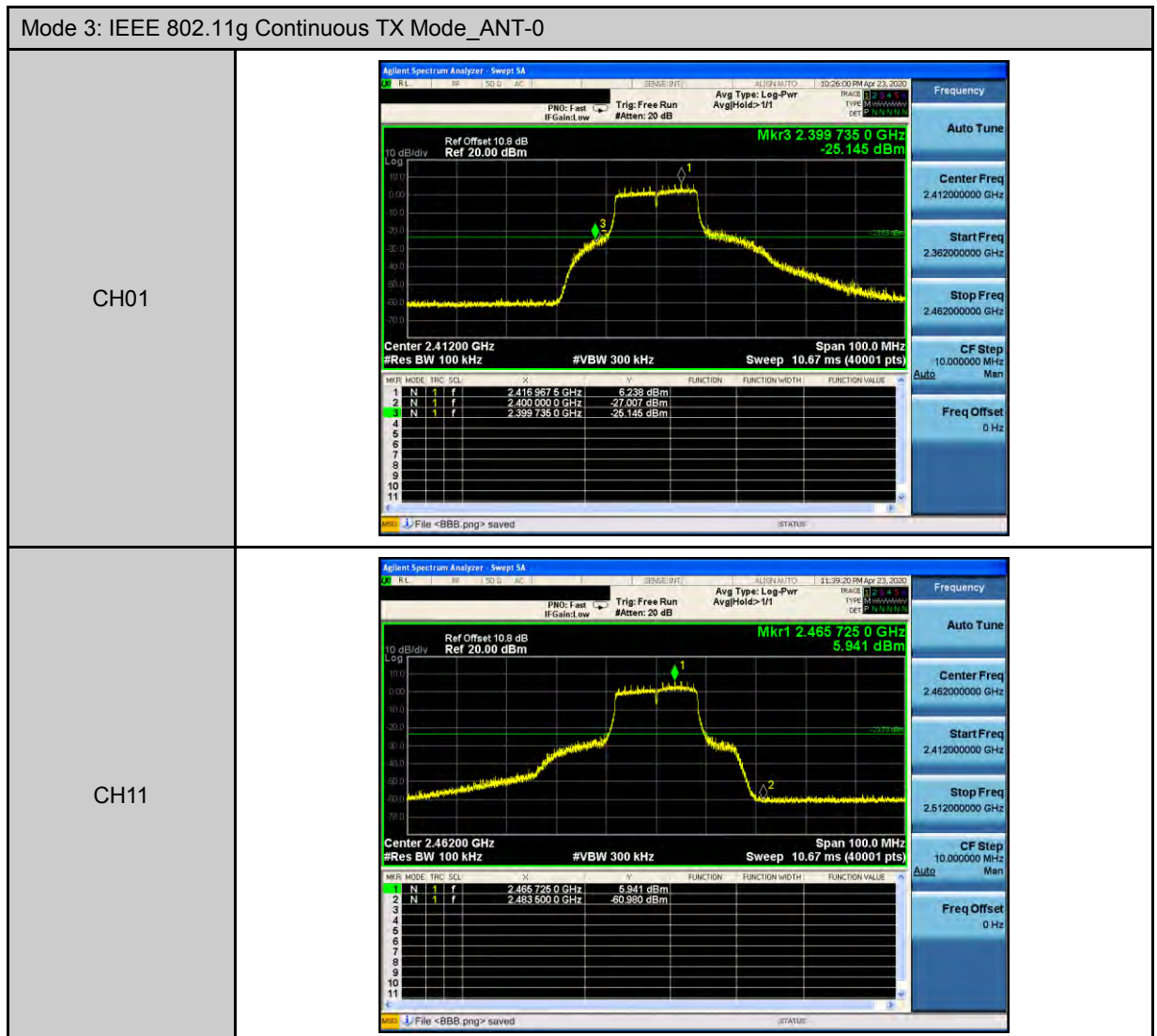
Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0

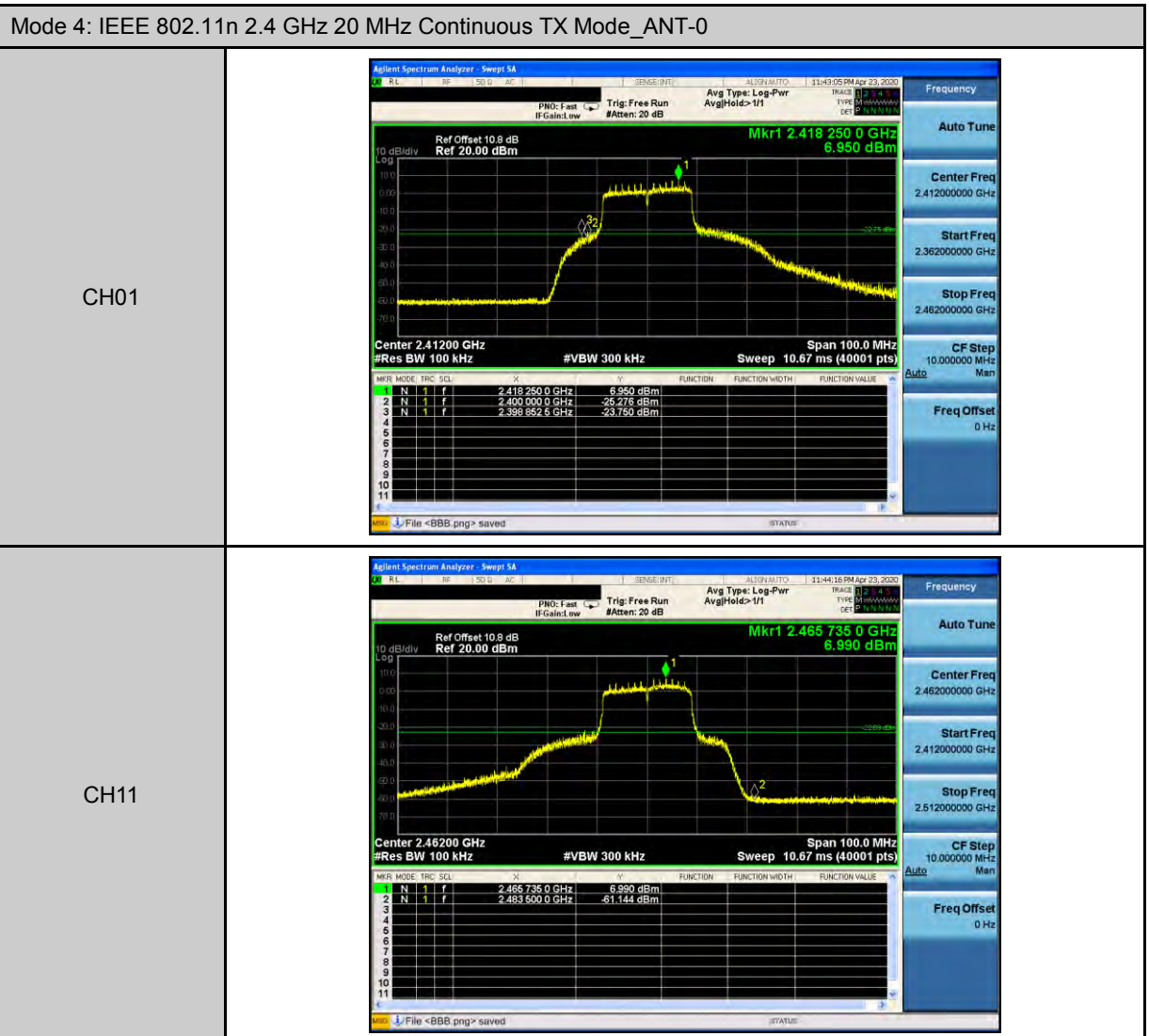
CH01

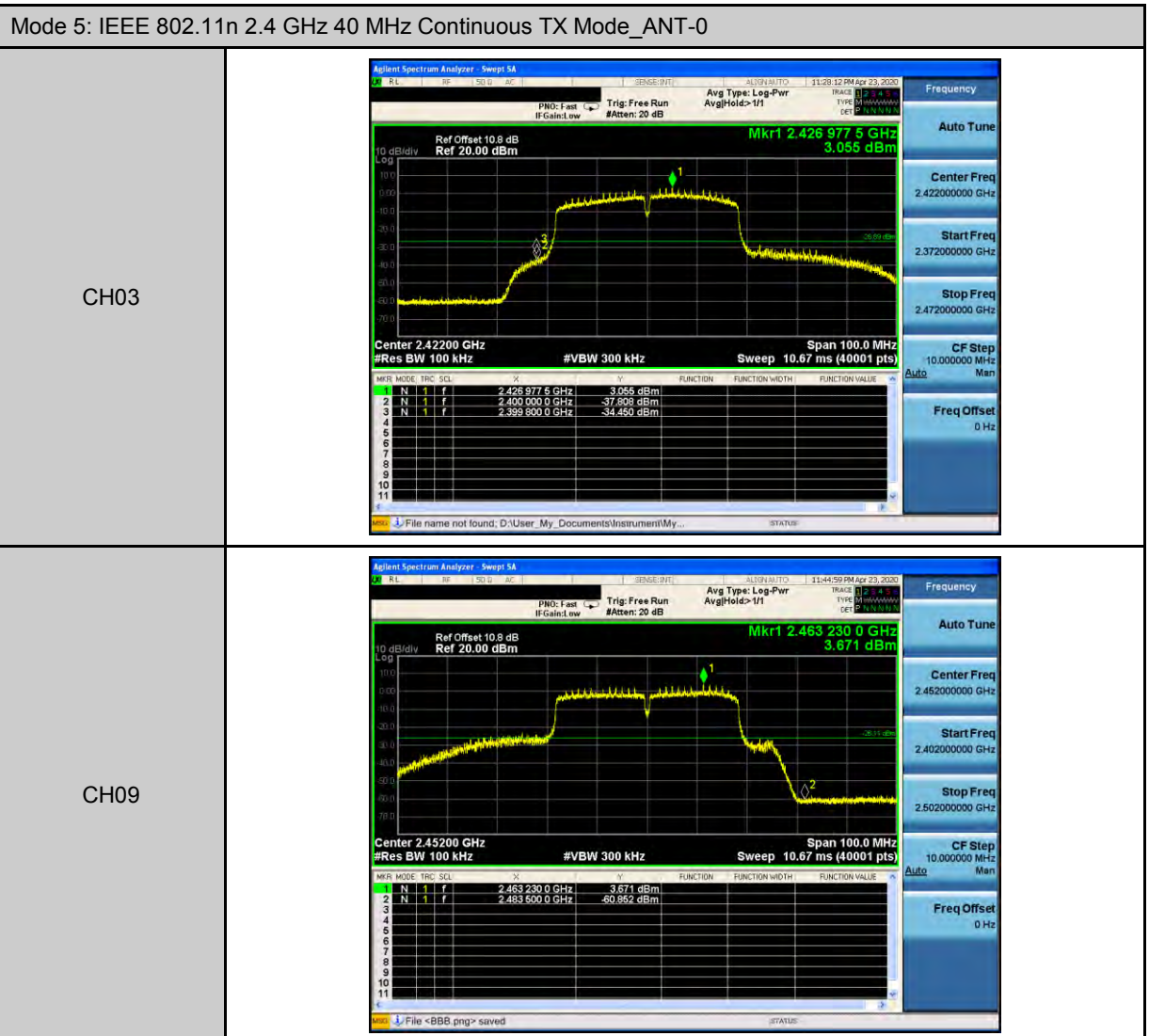


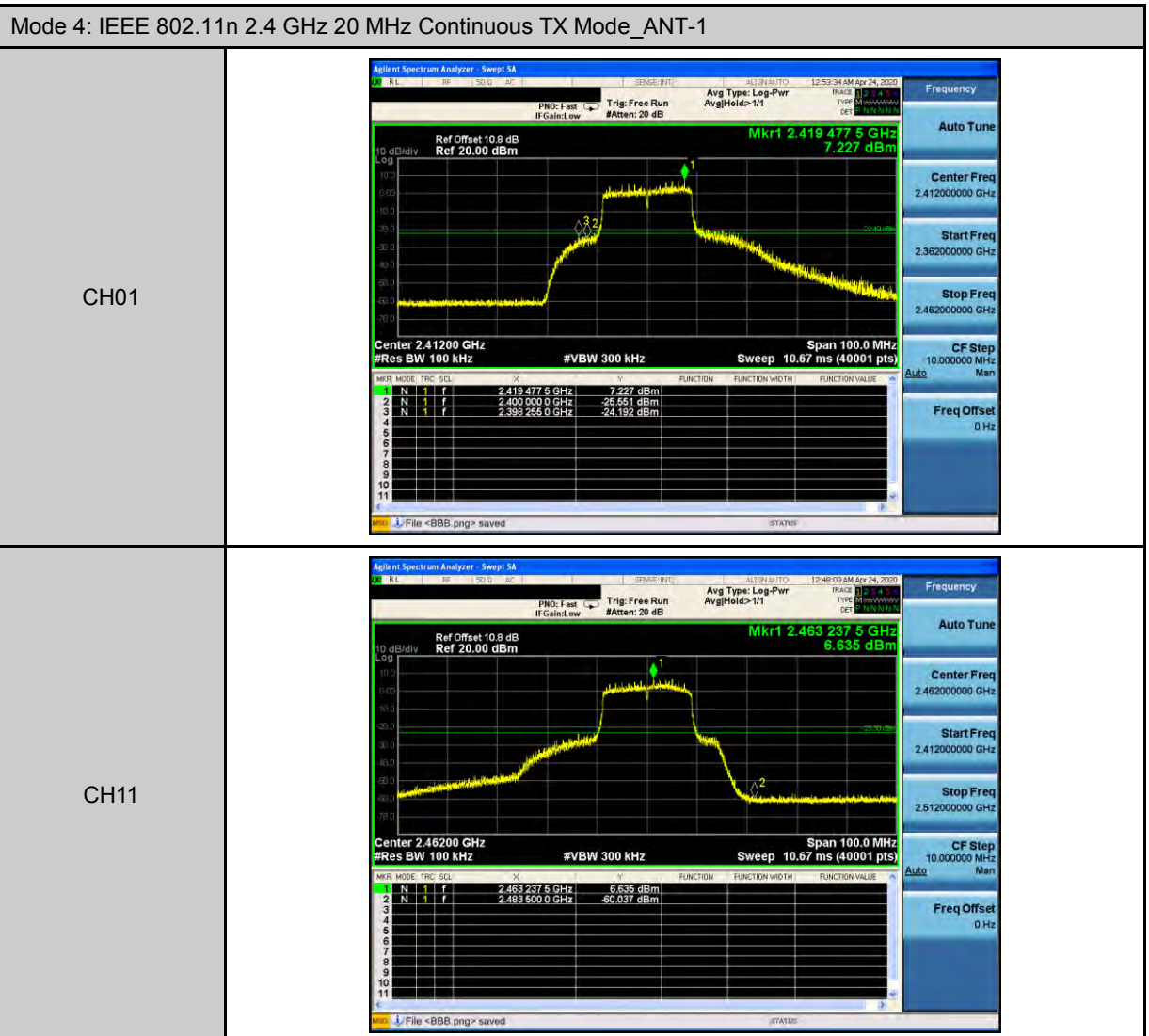
CH11

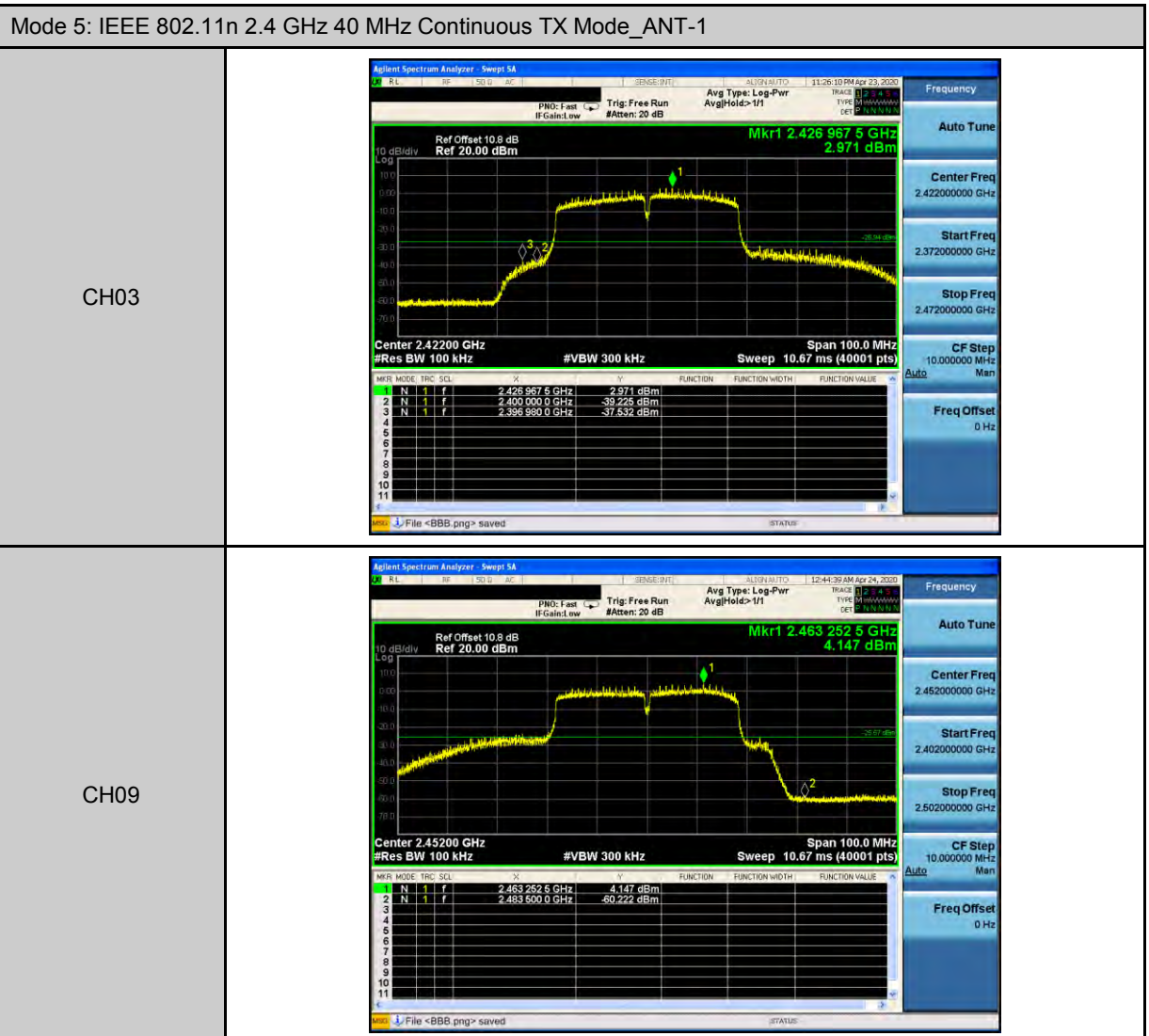










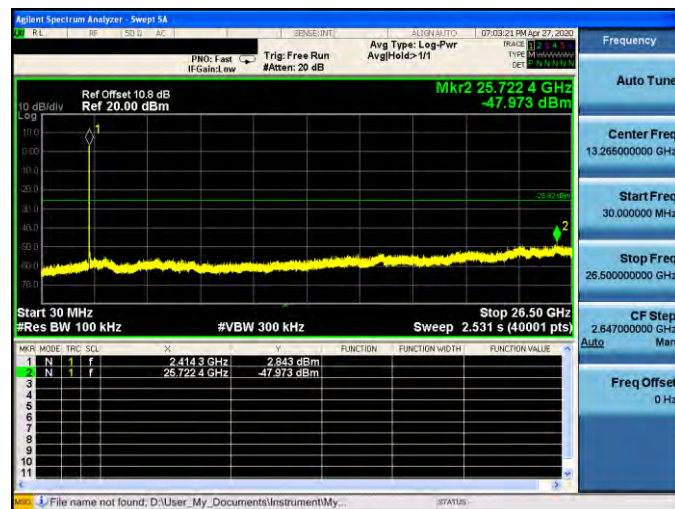


Beamforming on

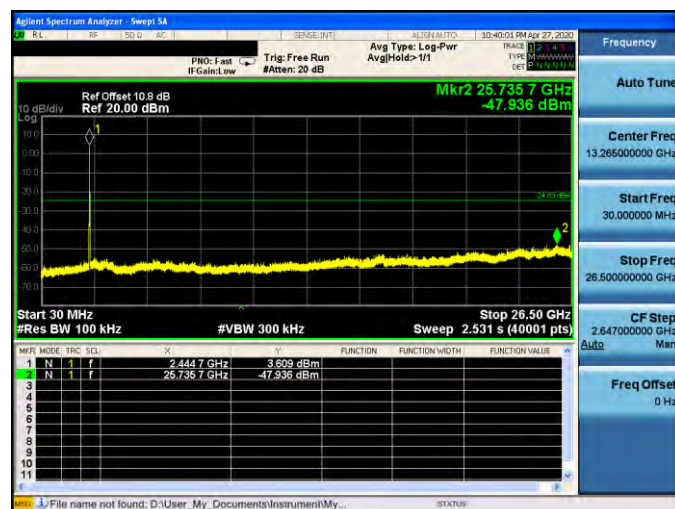
Out of Band Conducted Spurious Emission

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

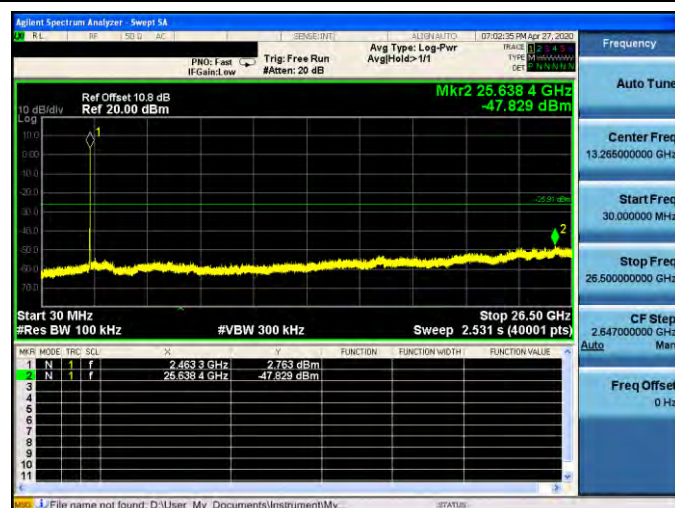
CH01



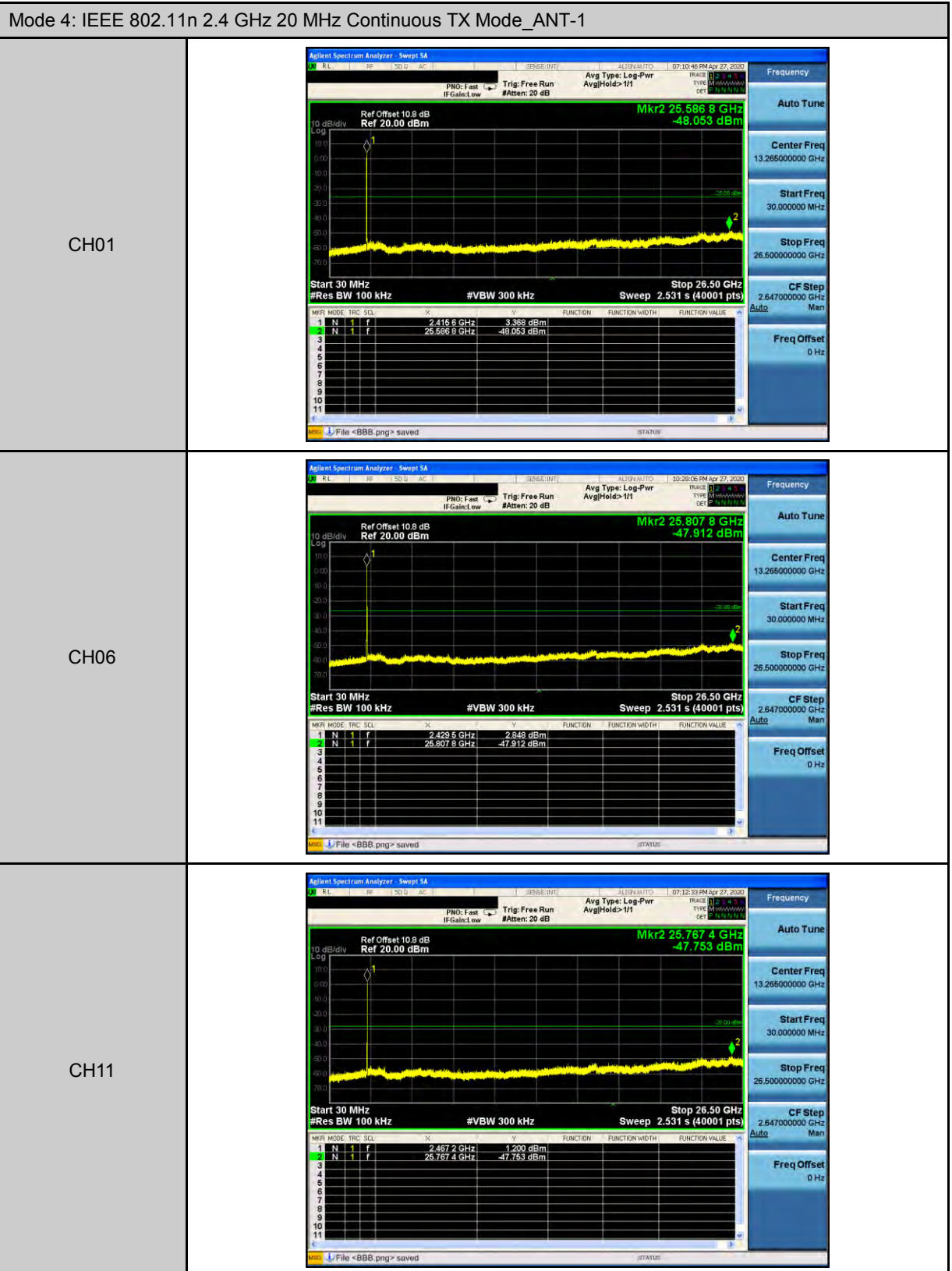
CH06

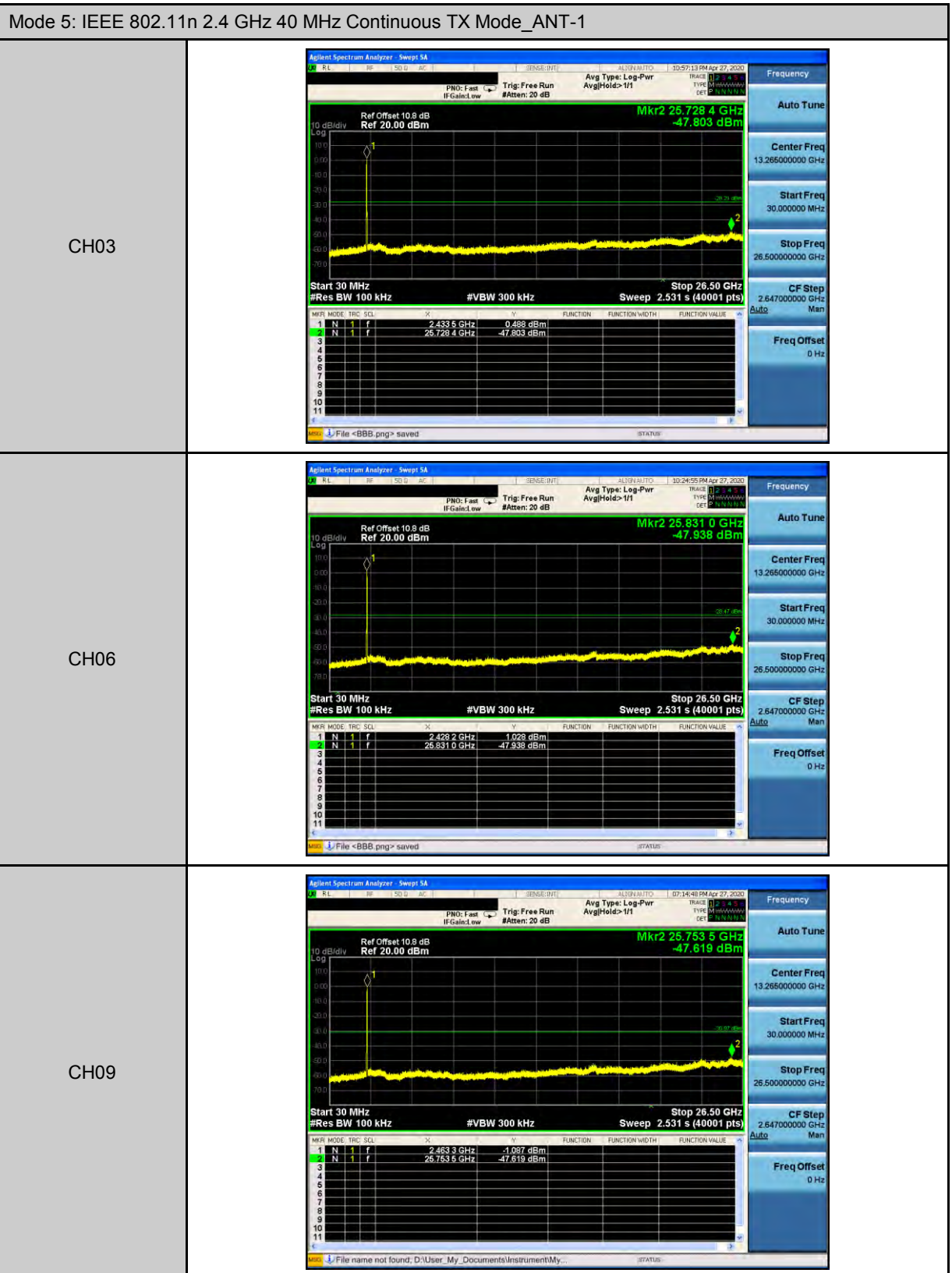


CH11









Reference level

