



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	1903DR51
版本(Rev.)	01
產品名稱	HUAWEI MateBook 13(Bluetooth/WLAN/NFC)
申請廠商	訊嵐技術有限公司
商標或廠牌	HUAWEI
型式 (號)	WRT-W29
系列型式 (號)	WRT-W19
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	108 年 03 月 13 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 : 105.09.06 ~ 108.09.05

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)



實驗室聲明

本測試報告內之測試結果可藉由測試儀器設備之校正報告與本報告內所評估量測不確定度追溯至國家或國際標準。

不得使用本報告宣稱產品是由 TAF, NVLAP 或任何政府機構背書。

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低功率射頻電機測試證明書

發行日期：108年03月13日

產品名稱：HUAWEI MateBook 13(Bluetooth/WLAN/NFC)
商標：HUAWEI
型號：WRT-W29
系列型號：WRT-W19
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.
製造商地址：Administration Building, Headquarters of Huawei Technologies Co., Ltd.,
Bantian, Longgang District, Shenzhen
待測物電壓：DC 20 V, 3.25 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：108年02月20號
樣品接受日期：108年02月26號
試驗完成日期：108年03月11號

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！

報告製作者：

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(歐陽良相)

審核者：

呂宗霖

(呂宗霖)

本測試報告所敘述之測試結果，僅對客戶所提供之測試樣品，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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1. 一般敘述

1.1 待測設備一般敘述

本敘述僅針對產品簡單說明之，其他詳細之規格請參考使用說明書。

產 品 名 稱	HUAWEI MateBook 13(Bluetooth/WLAN/NFC)	
商 標 或 廠 牌	HUAWEI	
型 號	WRT-W29	
系 列 型 號	WRT-W19	
額 定 電 源	DC 20 V, 3.25 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 / 160 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 2.4GHz 20 MHz	2412 – 2462
	IEEE 802.11n 2.4GHz 40 MHz	2422 – 2452
	IEEE 802.11a / IEEE 802.11n 5 GHz 20 MHz U-NII Band I IEEE 802.11ac 20 MHz U-NII Band I	5180 – 5240
	IEEE 802.11a / IEEE 802.11n 5 GHz 20 MHz U-NII Band II-A IEEE 802.11ac 20 MHz U-NII Band II-A	5260 – 5320
	IEEE 802.11a / IEEE 802.11n 5 GHz 20 MHz U-NII Band II-C IEEE 802.11ac 20 MHz U-NII Band II-C	5500 – 5720
	IEEE 802.11a / IEEE 802.11n 5 GHz 20 MHz U-NII Band III IEEE 802.11ac 20 MHz U-NII Band III	5720 – 5825
	IEEE 802.11n 5 GHz 40 MHz U-NII Band I IEEE 802.11ac 40 MHz U-NII Band I	5190 – 5230
	IEEE 802.11n 5 GHz 40 MHz U-NII Band II-A IEEE 802.11ac 40 MHz U-NII Band II-A	5270 – 5310
	IEEE 802.11n 5 GHz 40 MHz U-NII Band II-C IEEE 802.11ac 40 MHz U-NII Band II-C	5510 – 5710
	IEEE 802.11n 5 GHz 40 MHz U-NII Band III IEEE 802.11ac 40 MHz U-NII Band III	5710 – 5795
	IEEE 802.11ac 80 MHz U-NII Band I	5210
	IEEE 802.11ac 80 MHz U-NII Band II-A	5290
	IEEE 802.11ac 80 MHz U-NII Band II-C	5530 – 5690
	IEEE 802.11ac 80 MHz U-NII Band III	5690 – 5775
	IEEE 802.11ac 160 MHz U-NII Band I & Band II-A	5250
	IEEE 802.11ac 160 MHz U-NII Band II-C	5570

	Antenna	製造商	型號	型態	增益值(dBi)	
					2.4 GHz	5 GHz
天 線 資 訊	ANT-0 (AUX)	shenzhen south star technology co.ltd	HQ20603944000	PIFA Antenna	-1	-2
	ANT-1 (MAIN)	shenzhen south star technology co.ltd	HQ20603943000	PIFA Antenna	-1	-2
	Directional Gain				2.01	1.01
RF 最大輸出功率	Mode			Power		
	IEEE 802.11b			18.91 dBm	0.078 W	
	IEEE 802.11g			17.85 dBm	0.061 W	
	IEEE 802.11n 2.4 GHz 20 MHz			18.99 dBm	0.079 W	
	IEEE 802.11n 2.4 GHz 40 MHz			18.03 dBm	0.064 W	
	IEEE 802.11a U-NII Band I			15.22 dBm	0.033 W	
	IEEE 802.11a U-NII Band II-A			14.64 dBm	0.029 W	
	IEEE 802.11a U-NII Band II-C			15.07 dBm	0.032 W	
	IEEE 802.11a U-NII Band III			15.07 dBm	0.032 W	
	IEEE 802.11ac 20 MHz U-NII Band I			14.76 dBm	0.030 W	
	IEEE 802.11ac 20 MHz U-NII Band II-A			14.36 dBm	0.027 W	
	IEEE 802.11ac 20 MHz U-NII Band II-C			14.52 dBm	0.028 W	
	IEEE 802.11ac 20 MHz U-NII Band III			14.57 dBm	0.029 W	
	IEEE 802.11ac 40 MHz U-NII Band I			14.83 dBm	0.030 W	
	IEEE 802.11ac 40 MHz U-NII Band II-A			14.30 dBm	0.027 W	
	IEEE 802.11ac 40 MHz U-NII Band II-C			14.61 dBm	0.029 W	
	IEEE 802.11ac 40 MHz U-NII Band III			14.64 dBm	0.029 W	
	IEEE 802.11ac 80 MHz U-NII Band I			14.72 dBm	0.030 W	
	IEEE 802.11ac 80 MHz U-NII Band II-A			14.33 dBm	0.027 W	
	IEEE 802.11ac 80 MHz U-NII Band II-C			14.49 dBm	0.028 W	
	IEEE 802.11ac 80 MHz U-NII Band III			14.58 dBm	0.029 W	
	IEEE 802.11ac 160 MHz U-NII Band I & Band II-A			14.50 dBm	0.028 W	
	IEEE 802.11ac 160 MHz U-NII Band II-C			14.43 dBm	0.028 W	
	IEEE 802.11n 5 GHz 20 MHz U-NII Band I			14.49 dBm	0.028 W	
	IEEE 802.11n 5 GHz 20 MHz U-NII Band II-A			14.15 dBm	0.026 W	
	IEEE 802.11n 5 GHz 20 MHz U-NII Band II-C			14.26 dBm	0.027 W	
	IEEE 802.11n 5 GHz 20 MHz U-NII Band III			14.41 dBm	0.028 W	
	IEEE 802.11n 5 GHz 40 MHz U-NII Band I			14.49 dBm	0.028 W	
	IEEE 802.11n 5 GHz 40 MHz U-NII Band II-A			14.07 dBm	0.026 W	
	IEEE 802.11n 5 GHz 40 MHz U-NII Band II-C			14.14 dBm	0.026 W	
	IEEE 802.11n 5 GHz 40 MHz U-NII Band III			14.39 dBm	0.027 W	

輸出/輸入埠說明：

輸 出 / 入 埠		數量	介面內容說明
1	USB Type-C Port	2	連接至電源供應器/HDD
2	Audio Port	1	連接至耳機

待測設備外圍說明：

電 源 線 類 別	本產品透過充電線組供電，請參見下列附屬裝置表
附 屬 裝 置	請參見下列附屬裝置表

附屬裝置表：

裝置名稱	廠 牌	型 號	備註
內建固定式電池	HUAWEI	HB4593J6ECW	11.4 VDC, 3660 mAh 製造商(1): Huizhou Desay Battery Co., Ltd. 製造商(2): Dynapack Electronic Technology(SuZhou)Co., Ltd.
電源供應器	HUAWEI	HW-200325UP0	INPUT : 100-240 VAC, 50/60 Hz, 1.8 A OUTPUT : DC 5 V, 2 A OR DC 9 V, 2 A OR DC 12 V, 2 A OR DC 15 V, 3 A OR DC 20 V, 3.25 A
充電線組	HUAWEI	04071375	Type-C → Type-C Shielded, 1.8 m

1.2 其他相關聲明

本測試報告屬(以下選擇一種打■)

☒	新設計之機型,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

系列機型之差異說明

原機型廠牌、型號	系列機型廠牌、型號	差異敘述			
HUAWEI / WRT-W29	HUAWEI / WRT-W19	因市場銷售需求，新增系列型，其差異為 CPU 不同，腳位相同，其餘電路設計、印刷電路板等等並無變更。			
		型號	CPU廠牌	CPU型號	CPU規格
		WRT-W29	Intel	i7-8565U	1.80 GHz up 4.60 GHz
		WRT-W19	Intel	i5-8265U	1.60 GHz up 3.90 GHz
		測試結果說明: 判定其差異 1. Conducted Emission、Radiated Emissions 1 GHz 以下 皆需測試並記錄其結果數據。 2. Conducted 僅需測試主型號，並記錄其結果數據。			

2. 量測儀器及測試配置說明

2.1 量測設備

For Conducted

Test Period: Mar. 05 ~ Mar. 11, 2019

名稱	廠牌	型號	序號	本次校驗日期	校驗年限
Power Sensor	Anritsu	MA2411B	1126022	08/29/2018	1 year
Power Meter	Anritsu	ML2495A	1135009	08/29/2018	1 year
Spectrum Analyzer (20 Hz~26.5 GHz)	Agilent	N9020A	US47520902	09/25/2018	1 year
Spectrum Analyzer (20 Hz~26.5 GHz)	Agilent	N9020A	US47520902	09/25/2018	1 year
Signal Generator	Agilent	N5182B	MY53050382	05/24/2018	1 year

For Conducted Emission

Test Period: Mar. 11, 2019

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	05/21/2018	1 year
線性阻抗模擬網路	R&S	ENV216	101040	04/11/2018	1 year
線性阻抗模擬網路	R&S	ENV216	101041	03/23/2018	1 year

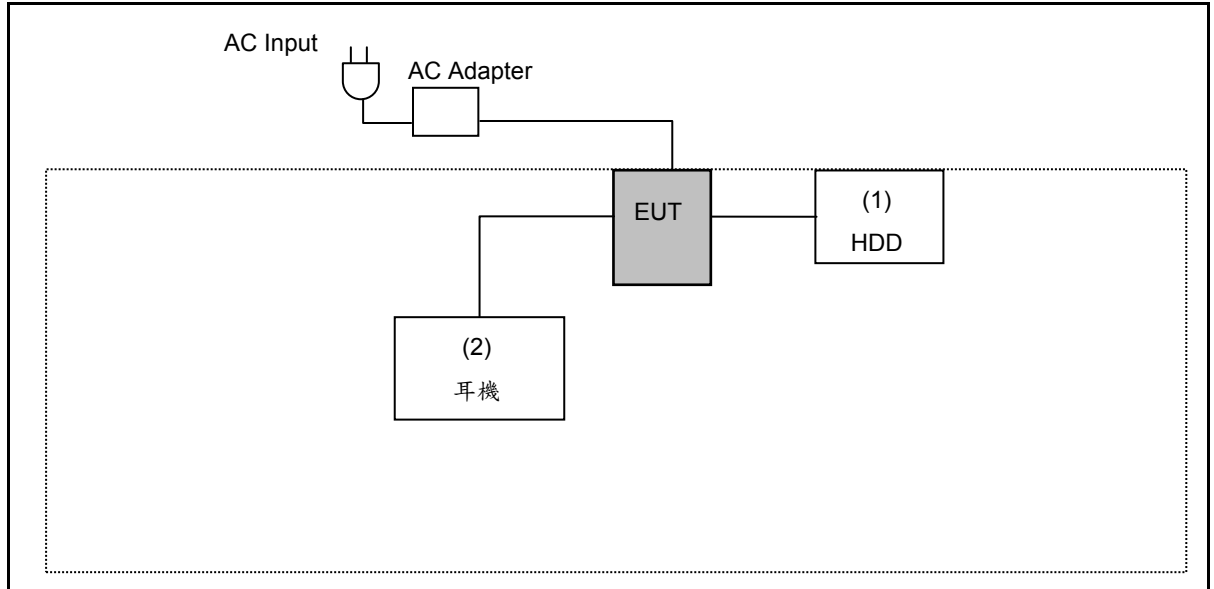
For Radiated Emissions

Test Period: Feb. 26 ~ Mar. 03, 2019

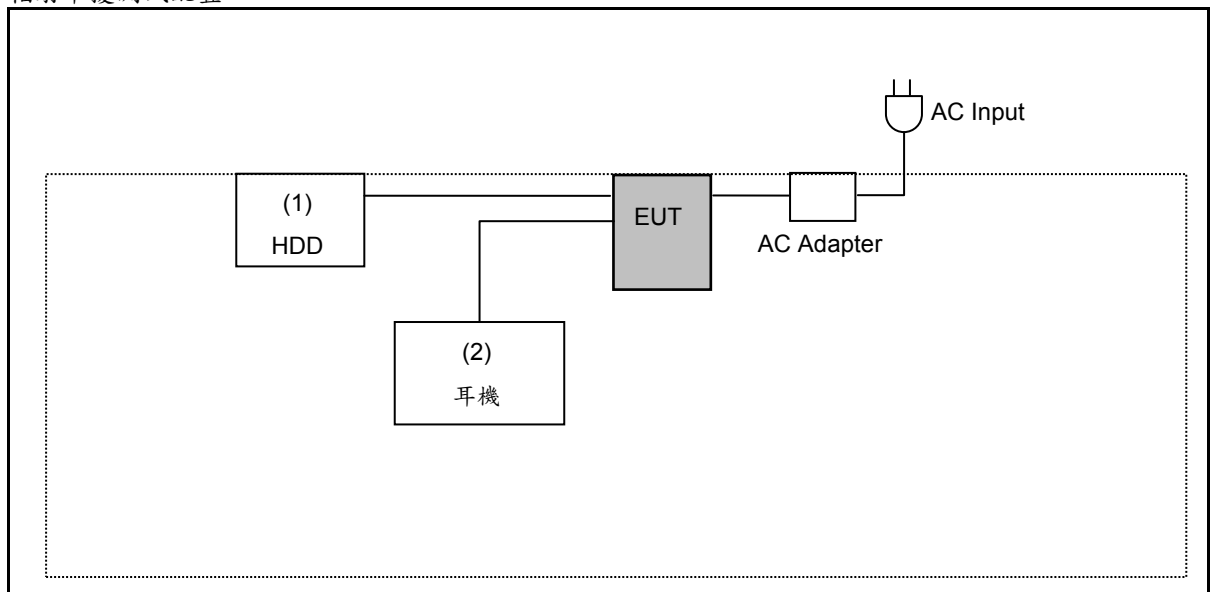
名稱	廠牌	型號	序號	本次校驗日期	校驗年限
EXA Signal Analyzer	Keysight	N9010A	MY52221312	01/14/2019	1 year
Amplifier	Agilent	8449B	3008A02237	10/16/2018	1 year
Amplifier	Agilent	8447D	2944A11119	01/14/2019	1 year
Trilog Broadband Antenna	Schwarzbeck Mess-Elektronik	VULB9168	416	10/23/2018	1 year
Horn Antenna (1~18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	08/23/2018	1 year
Broadband Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	9170	9170-320	08/07/2018	1 year
Loop Antenna	COM-POWER CORPORATION	AL-130	121014	03/13/2018	1 year
Pre Amplifier (26.5~40 GHz)	EMCI	EMC2654045	980028	08/23/2018	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)	HDD	Transend	TS1TSJ25A3K-RU	D72654-2243	---
(2)	耳機	訊歲	--	--	--

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

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 802.11ac 20 MHz Continuous TX Mode
Mode 8: IEEE 802.11ac 40 MHz Continuous TX Mode
Mode 9: IEEE 802.11ac 80 MHz Continuous TX Mode
Mode 10: IEEE 802.11ac 160 MHz Continuous TX Mode
Mode 11: Receiver Mode
Mode 12: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode
Mode 13: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode

Final-Test Mode
Mode 1: Transmit Mode
Mode 2: IEEE 802.11b Continuous TX Mode
Mode 3: IEEE 802.11g Continuous TX Mode
Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode
Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode
Mode 6: IEEE 802.11a Continuous TX Mode
Mode 7: IEEE 802.11ac 20 MHz Continuous TX Mode
Mode 8: IEEE 802.11ac 40 MHz Continuous TX Mode
Mode 9: IEEE 802.11ac 80 MHz Continuous TX Mode
Mode 10: IEEE 802.11ac 160 MHz Continuous TX Mode
Mode 11: Receiver Mode
Mode 12: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode
Mode 13: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode

Note 1: ANT-0 is the worst cast in Mode 2 / Mode 3 / Mode 6.

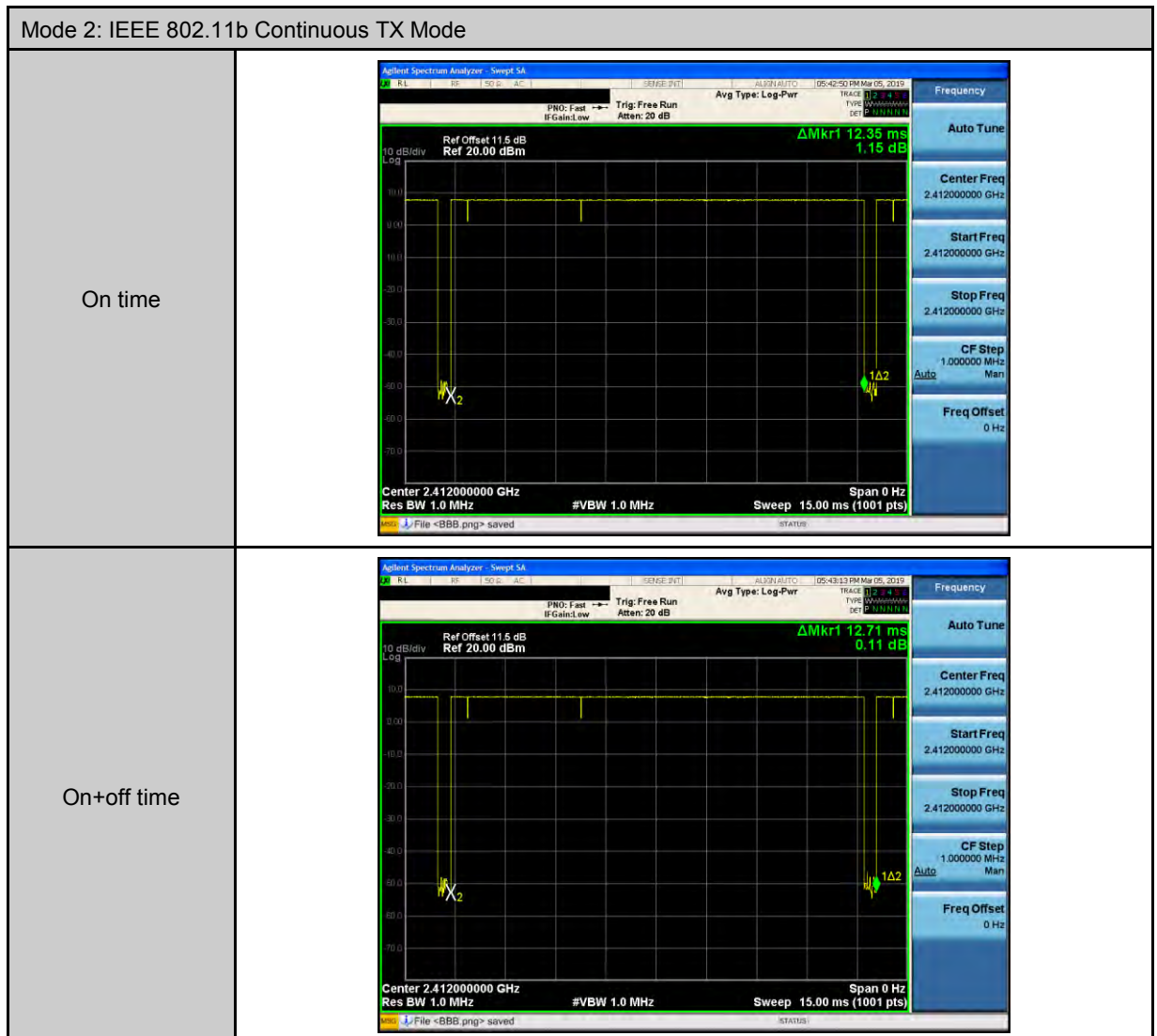
Note 2: Investigation has been done on all the possible configurations for searching the worst cases (VHT20/VHT40 covers HT20/HT40). The table is a list of the test modes show in this test report.

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 / Mode 12	V	V	V
Mode 8 / Mode 13	V	V	V
Mode 9	V	V	V
Mode 10	V	V	V

Test Mode	Antenna Delivery	Data Rate	Test Channel
Mode 2	1TX / 1RX (Diversity)	1 M	1, 6, 11
Mode 3	1TX / 1RX (Diversity)	6 M	1, 6, 11
Mode 4	2TX / 2RX (MIMO)	13 M	1, 6, 11
Mode 5	2TX / 2RX (MIMO)	27 M	3, 6, 9
Mode 6	1TX / 1RX (Diversity)	6 M	36, 40, 48, 52, 56, 64, 100, 112, 140, 144, 149, 157, 165
Mode 7 / Mode 12	2TX / 2RX (MIMO)	13 M	36, 40, 48, 52, 56, 64, 100, 112, 140, 144, 149, 157, 165
Mode 8 / Mode 13	2TX / 2RX (MIMO)	27 M	38, 46, 54, 62, 102, 110, 134, 142, 151, 159
Mode 9	2TX / 2RX (MIMO)	58.6 M	42, 58, 106, 122, 138, 155
Mode 10	2TX / 2RX (MIMO)	130 M	50, 114

Duty cycle

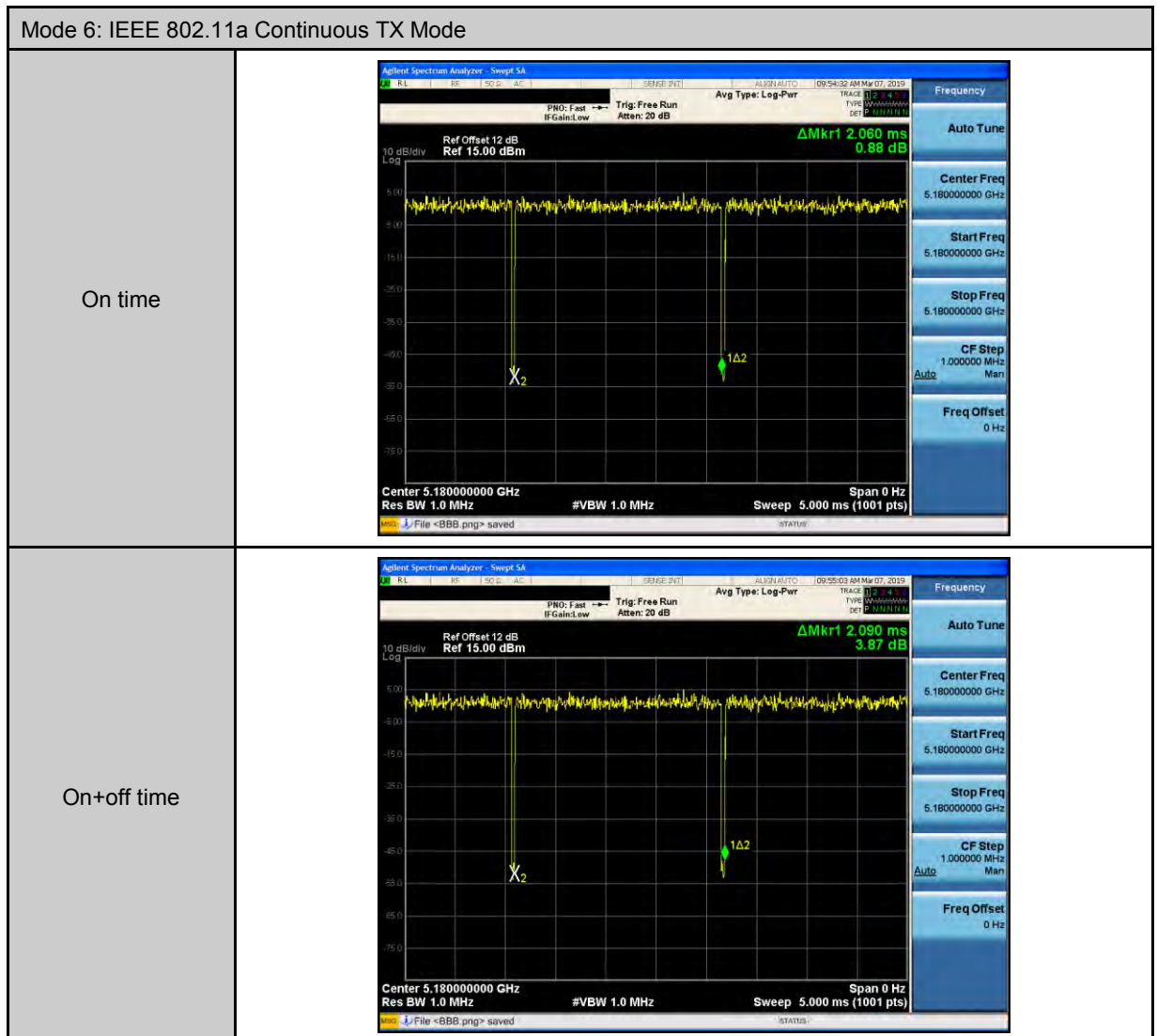
Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimun VBW (kHz)
Mode 2	2412.0	12.350	12.710	0.972	0.125	0.081
Mode 3	2412.0	2.070	2.410	0.859	0.660	0.483
Mode 4	2412.0	0.990	1.155	0.857	0.669	1.010
Mode 5	2422.0	0.498	0.585	0.851	0.699	2.008
Mode 6	5180.0	2.060	2.090	0.986	0.063	0.010
Mode 7	5180.0	0.995	1.165	0.854	0.685	1.005
Mode 8	5190.0	0.510	0.595	0.857	0.669	1.961
Mode 9	5210.0	0.260	0.306	0.850	0.707	3.846
Mode 10	5250.0	0.157	0.201	0.781	1.073	6.369



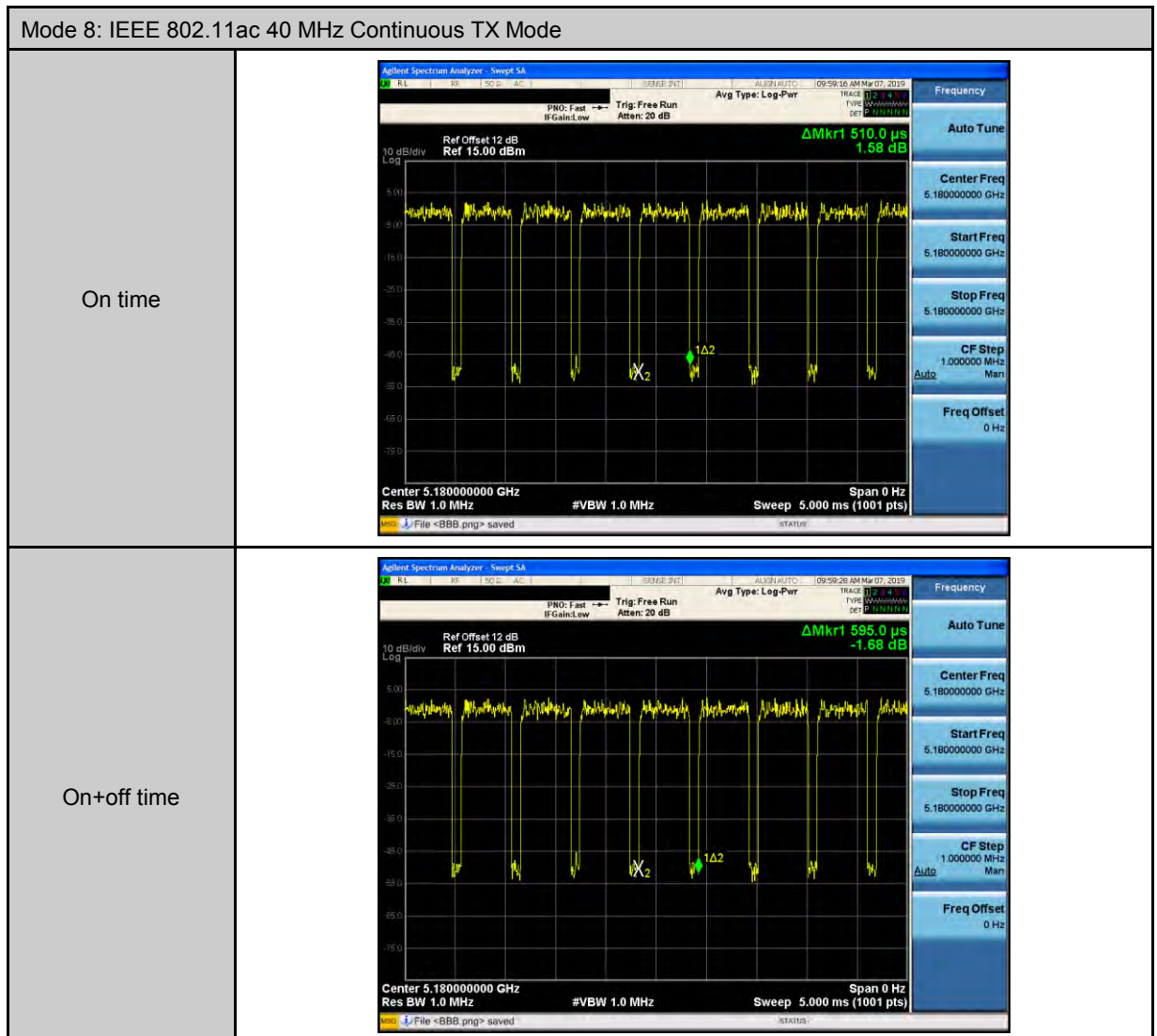


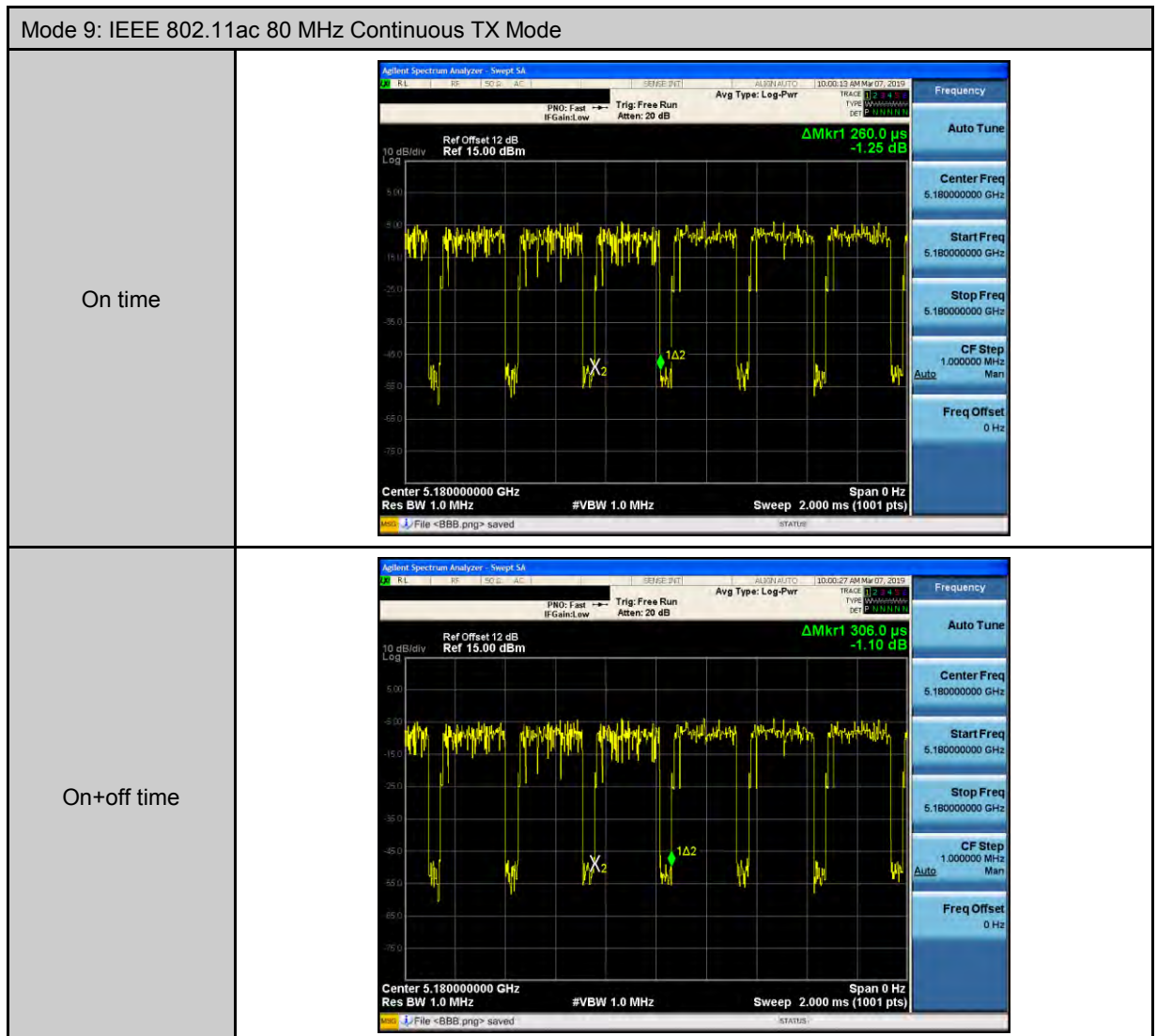


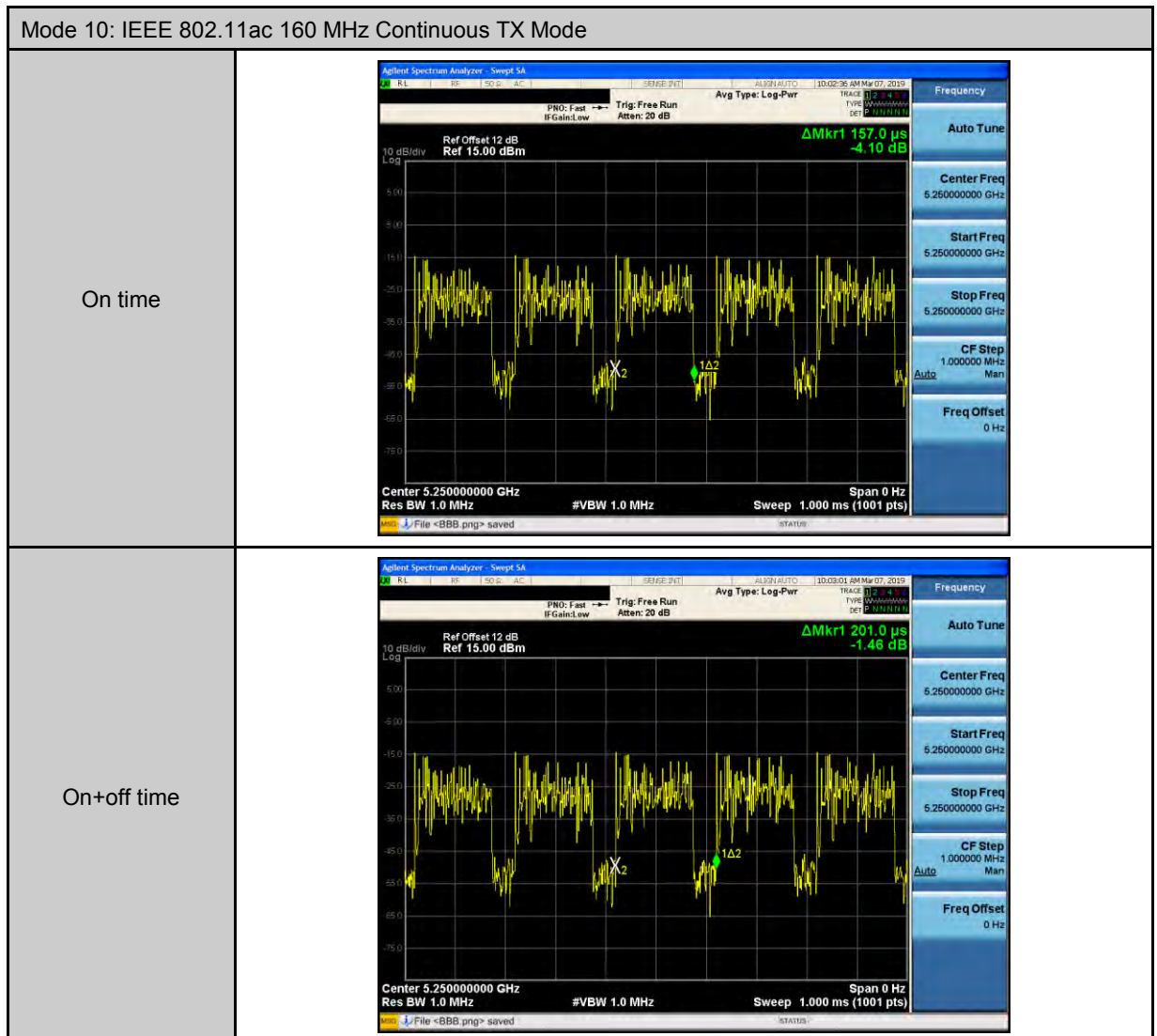












2.6 量測不確定度

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	9 kHz ~ 150 kHz	2.7
	150 kHz ~ 30 MHz	2.7
Radiated Emission	9 kHz ~ 30 MHz	1.7
	30 MHz ~ 1000 MHz	5.7
	1000 MHz ~ 18000 MHz	5.5
	18000 MHz ~ 26500 MHz	4.8
	26500 MHz ~ 40000 MHz	4.8
Conducted Output Power		+0.27 dB / -0.28 dB
RF Bandwidth		4.96 %
Power Spectral Density		+0.71 dB / -0.77 dB
Frequency Stability		+ 2.212 x 10 ⁻⁷ % / - 2.170 x 10 ⁻⁷
Duty Cycle		1.06 %
Time Occupancy		1.40 %

2.7 試驗環境

產品測試時之實驗室環境條件如下：

項 目	測 試 項 目	需 求	實 際
溫度 Temperature (°C)	LP0002	10 - 40	26
濕度 Humidity (%RH)		10 - 90	60

中華民國實驗室認證體系

認可編號: 1330

測試實驗室名稱：晶復科技股份有限公司

TEL: 886-3-2710188 / FAX: 886-3-2710190

傳導干擾電壓量測地點：桃園市八德區長安街 140-1 號.

輻射干擾場強量測地點：桃園市八德區長安街 140-1 號.

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 4.2.7 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	發射功率控制(TPC)	低功率射頻電機技術規範 4.7.7.1 節	請參閱 4.3.6 節	請參閱 2.1 節	合格
10	動態頻率選擇(DFS) 雷達偵測功能	低功率射頻電機技術規範 4.7.7.2 節	請參閱 4.3.7 節	請參閱 2.1 節	不適用
11	動態頻率選擇(DFS) 頻道可用性檢查時間	低功率射頻電機技術規範 4.7.7.2(3)節	請參閱 4.3.8 節	請參閱 2.1 節	不適用
12	動態頻率選擇(DFS) 頻道移動時間	低功率射頻電機技術規範 4.7.7.2(4)節	請參閱 4.3.9 節	請參閱 2.1 節	合格
13	動態頻率選擇(DFS) 不可佔用時間	低功率射頻電機技術規範 4.7.7.2(5)節	請參閱 4.3.10 節	請參閱 2.1 節	不適用
14	天線規格	低功率射頻電機技術規範 4.7.8 節	請參閱 4.3.11 節	-----	合格
15	電波暴露量之評估	低功率射頻電機技術規範 5.20.2.1 節、5.20.2.2 節	請參閱 4.3.12 節	請參閱 2.1 節	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。

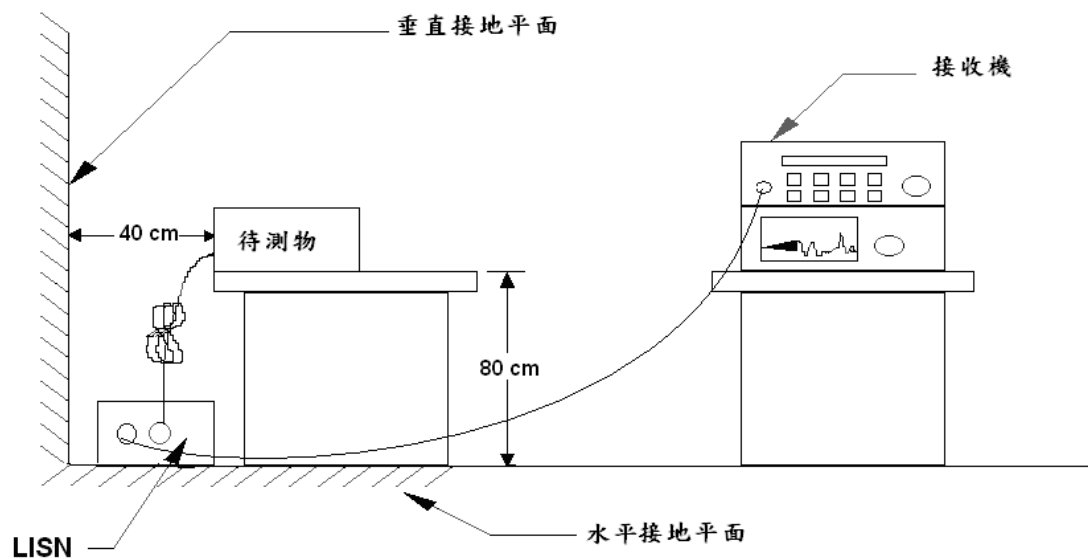
干擾值之計算

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

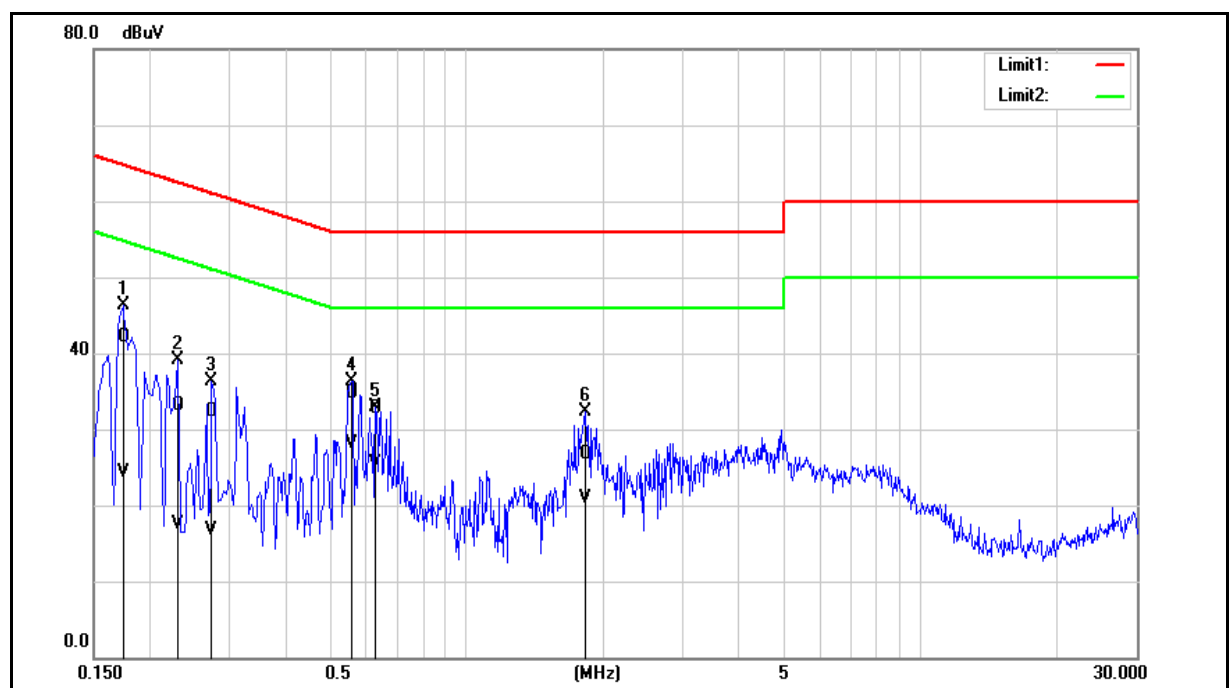
測試架構圖：



測試結果:

Model Number : WRT-W29

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

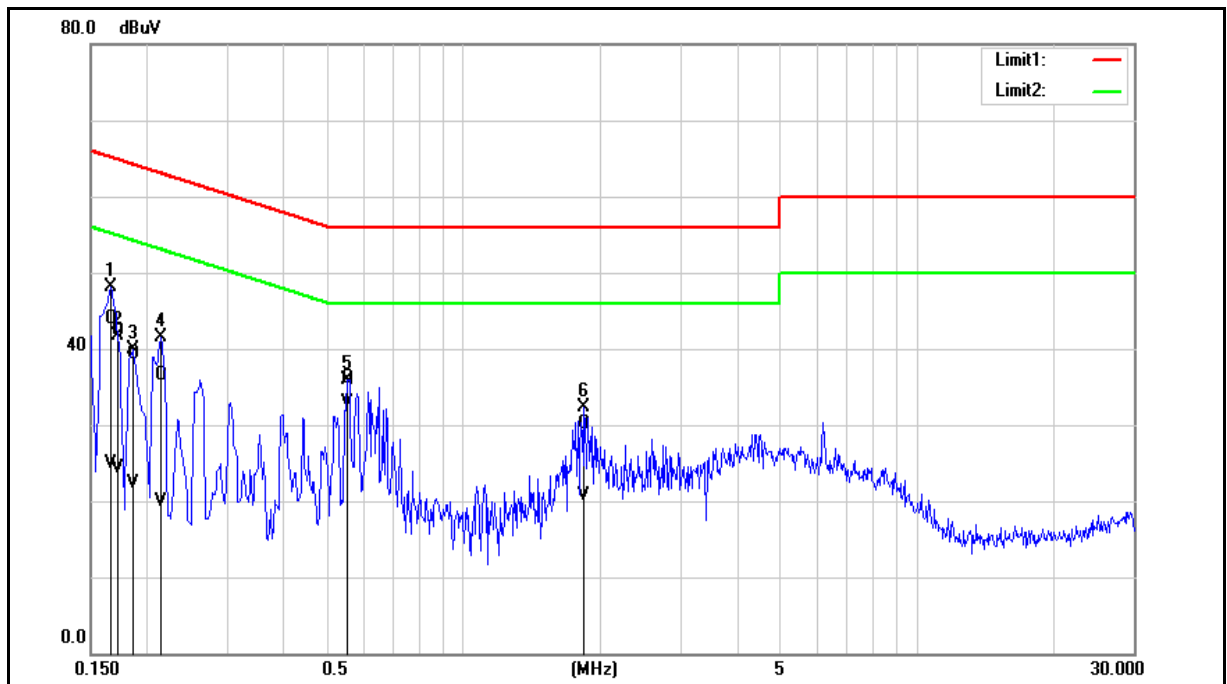


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1740	32.56	14.75	9.60	42.16	24.35	64.77	54.77	-22.61	-30.42	Pass
2	0.2300	23.42	7.84	9.60	33.02	17.44	62.45	52.45	-29.43	-35.01	Pass
3	0.2740	22.67	7.12	9.60	32.27	16.72	61.00	51.00	-28.73	-34.28	Pass
4	0.5580	25.20	18.41	9.60	34.80	28.01	56.00	46.00	-21.20	-17.99	Pass
5	0.6300	23.18	15.96	9.61	32.79	25.57	56.00	46.00	-23.21	-20.43	Pass
6	1.8260	17.01	11.20	9.66	26.67	20.86	56.00	46.00	-29.33	-25.14	Pass

註：1. QP / AVG result (dBuV) = Correction factor (dB) + QP / AVG reading (dBuV)。

2. Correction factor (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
Test Mode:	Mode 1	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Description:			



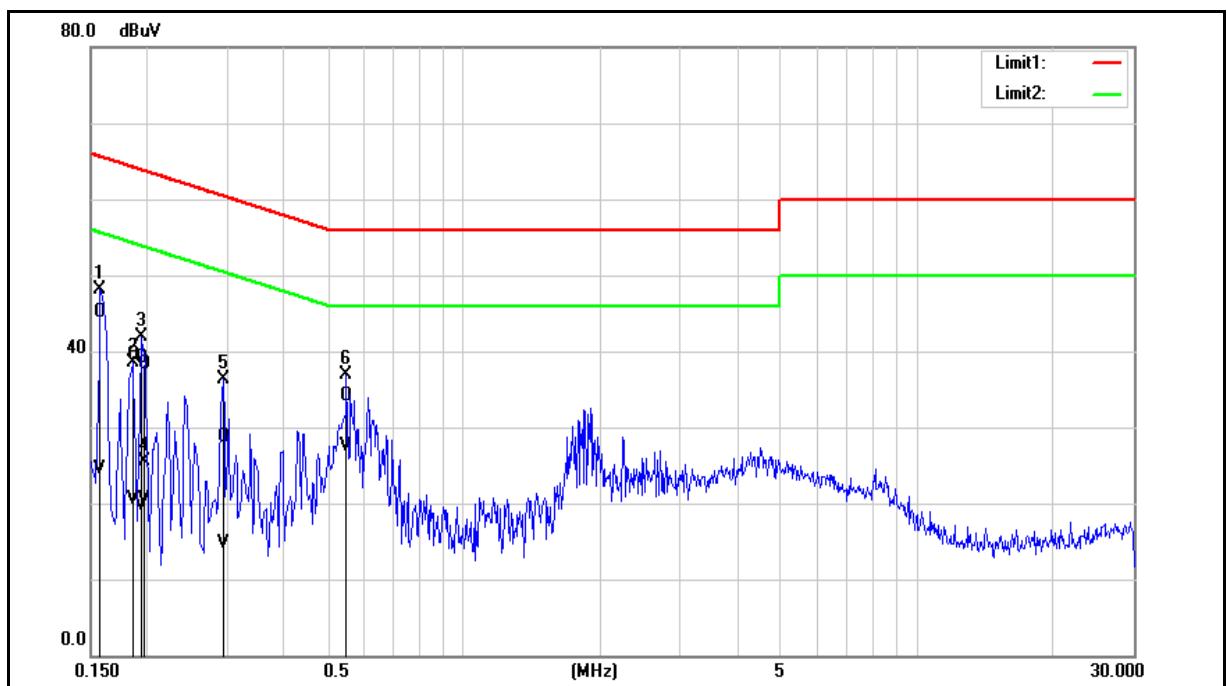
No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1660	34.17	15.17	9.71	43.88	24.88	65.16	55.16	-21.28	-30.28	Pass
2	0.1722	32.59	14.55	9.71	42.30	24.26	64.85	54.85	-22.55	-30.59	Pass
3	0.1860	29.68	12.69	9.70	39.38	22.39	64.21	54.21	-24.83	-31.82	Pass
4	0.2140	26.86	10.23	9.70	36.56	19.93	63.05	53.05	-26.49	-33.12	Pass
5	0.5540	26.45	23.28	9.71	36.16	32.99	56.00	46.00	-19.84	-13.01	Pass
6	1.8340	20.24	10.93	9.77	30.01	20.70	56.00	46.00	-25.99	-25.30	Pass

註：1. QP / AVG result (dBuV) = Correction factor (dB) + QP / AVG reading (dBuV)。

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

Model Number : WRT-W19

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

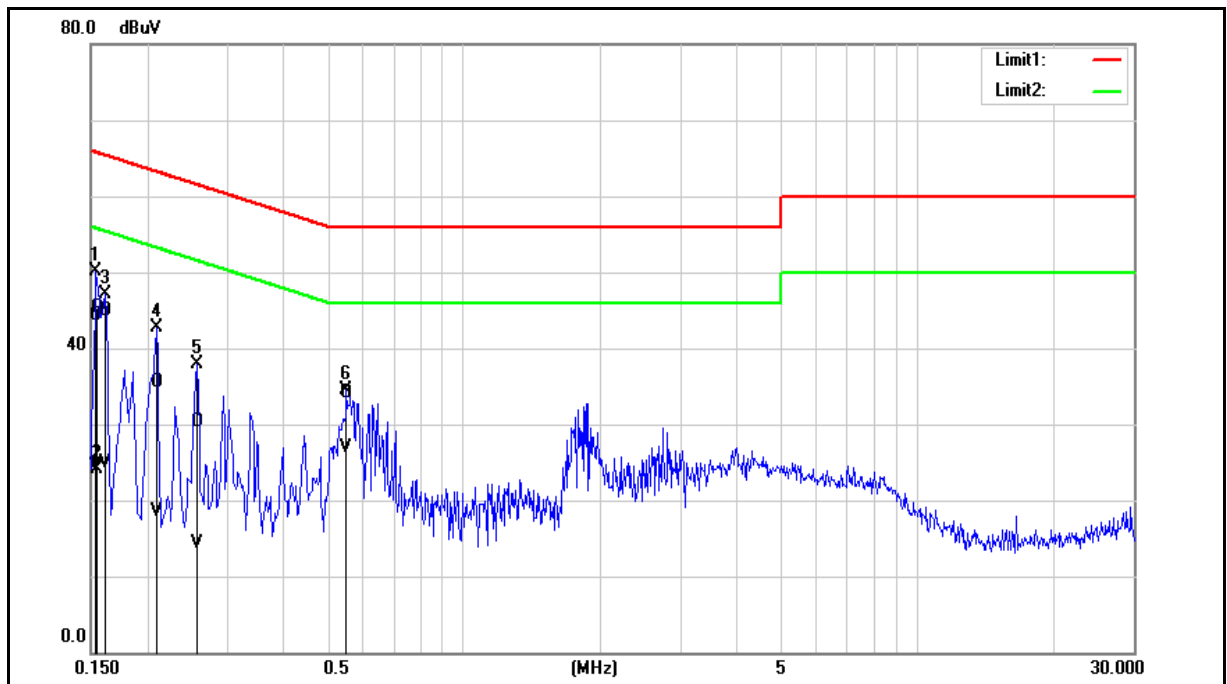


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1580	35.43	14.97	9.60	45.03	24.57	65.57	55.57	-20.54	-31.00	Pass
2	0.1860	29.89	10.97	9.60	39.49	20.57	64.21	54.21	-24.72	-33.64	Pass
3	0.1940	29.43	10.01	9.60	39.03	19.61	63.86	53.86	-24.83	-34.25	Pass
4	0.1965	28.73	10.91	9.60	38.33	20.51	63.76	53.76	-25.43	-33.25	Pass
5	0.2940	19.07	5.11	9.60	28.67	14.71	60.41	50.41	-31.74	-35.70	Pass
6	0.5500	24.56	18.00	9.60	34.16	27.60	56.00	46.00	-21.84	-18.40	Pass

註：1. QP / AVG result (dBuV) = Correction factor (dB) + QP / AVG reading (dBuV)。

2. Correction factor 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
Test 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	0.1540	34.55	14.71	9.71	44.26	24.42	65.78	55.78	-21.52	-31.36	Pass
2	0.1556	35.53	14.98	9.71	45.24	24.69	65.70	55.70	-20.46	-31.01	Pass
3	0.1620	35.13	15.27	9.71	44.84	24.98	65.36	55.36	-20.52	-30.38	Pass
4	0.2100	25.74	8.77	9.70	35.44	18.47	63.21	53.21	-27.77	-34.74	Pass
5	0.2580	20.62	4.61	9.70	30.32	14.31	61.50	51.50	-31.18	-37.19	Pass
6	0.5500	24.36	17.26	9.71	34.07	26.97	56.00	46.00	-21.93	-19.03	Pass

註：1. QP / AVG result (dBuV) = Correction factor (dB) + QP / AVG reading (dBuV)。

2. Correction factor 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)之峰值傳導輸出功率量測方式者，至少須衰減 30 dB。此外，落於第 2.7 節禁用頻段之輻射發射，應符合第 2.8 節之規定。

依據 NCC 低功率射頻電機技術規範第 2.7 節之規定,禁用頻段如下:

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

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

頻 率 (MHz)	電場強度 (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。

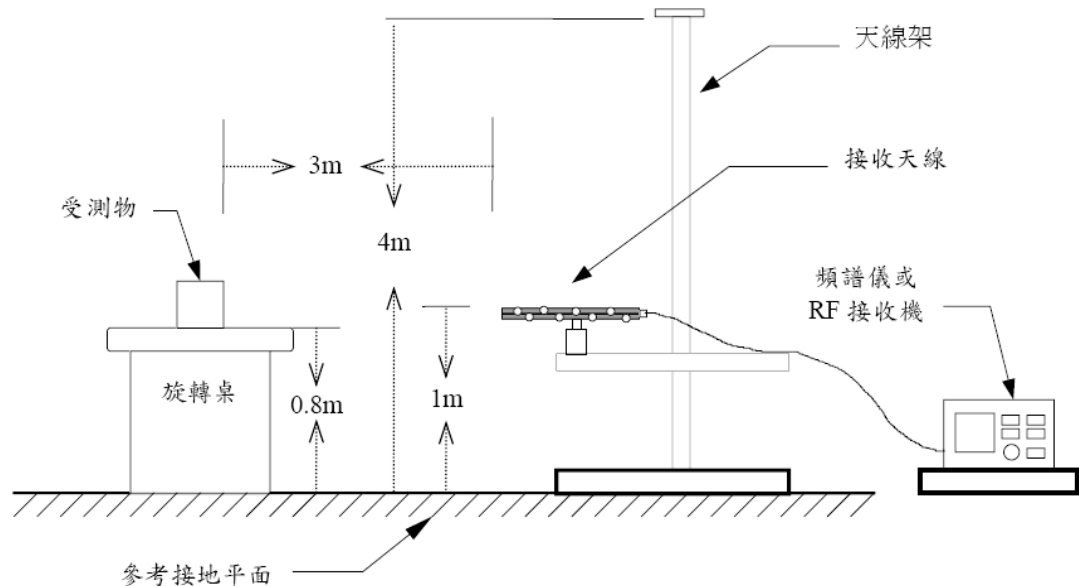
場強度之計算

場強之計算公式為：結果值 = 讀值 + 校正因子

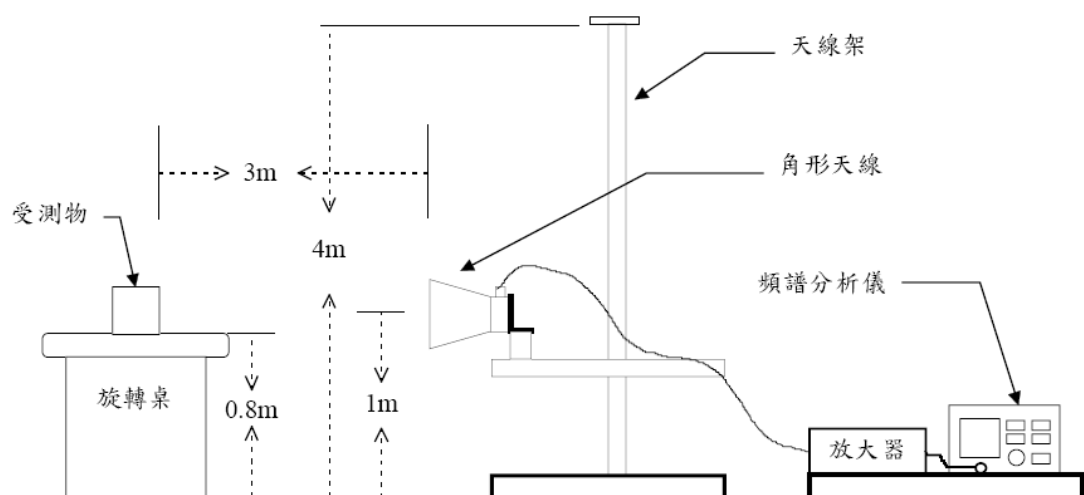
其中校正因子為：天線因子+ 饋線損失 + 濾波器損失（若有使用） - 放大器增益（若有使用）

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：

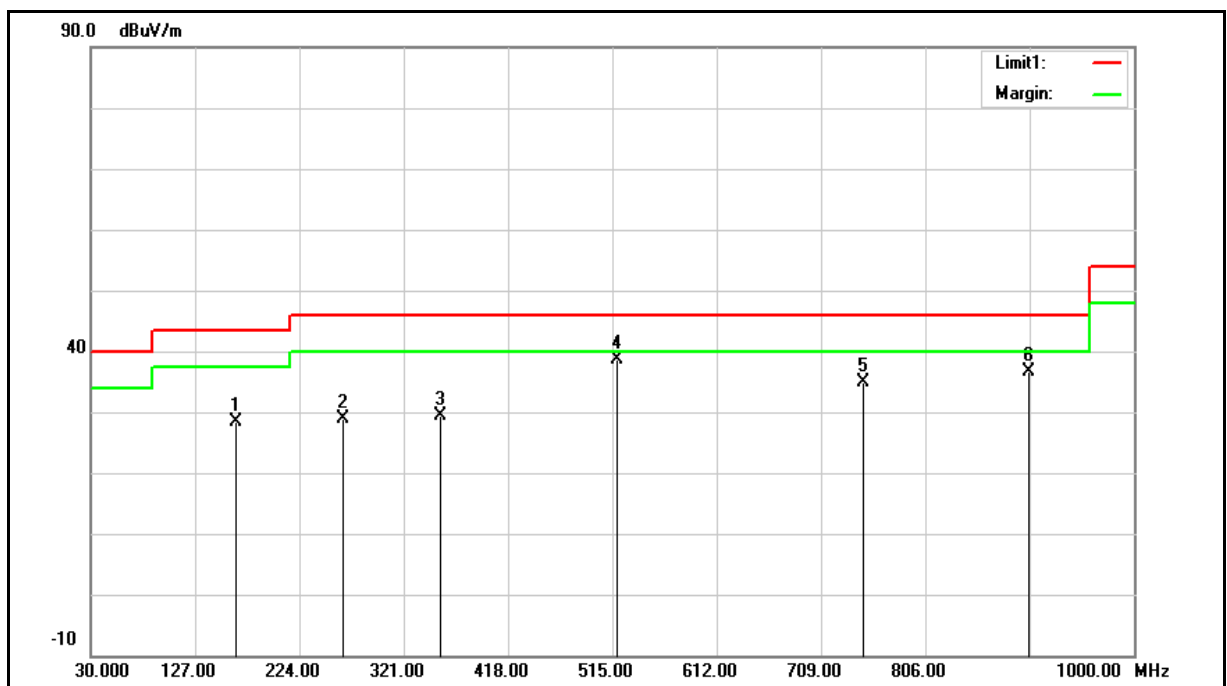
本產品透過預測試確認 X、Y 和 Z 個軸中最差之結果軸向為 X 軸，因此場強輻射完整測試 X 軸並將其結果記錄於報告中。

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。

Model Number : WRT-W29

其它不必要之訊號 (1 GHz 以下)

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2402 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Test 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	164.8300	33.91	-5.53	28.38	43.50	-15.12	QP
2	264.7400	34.11	-5.13	28.98	46.00	-17.02	QP
3	354.9500	32.25	-2.90	29.35	46.00	-16.65	QP
4	518.8800	38.19	0.52	38.71	46.00	-7.29	QP
5	748.7700	29.26	5.50	34.76	46.00	-11.24	QP
6	902.0300	28.78	7.84	36.62	46.00	-9.38	QP

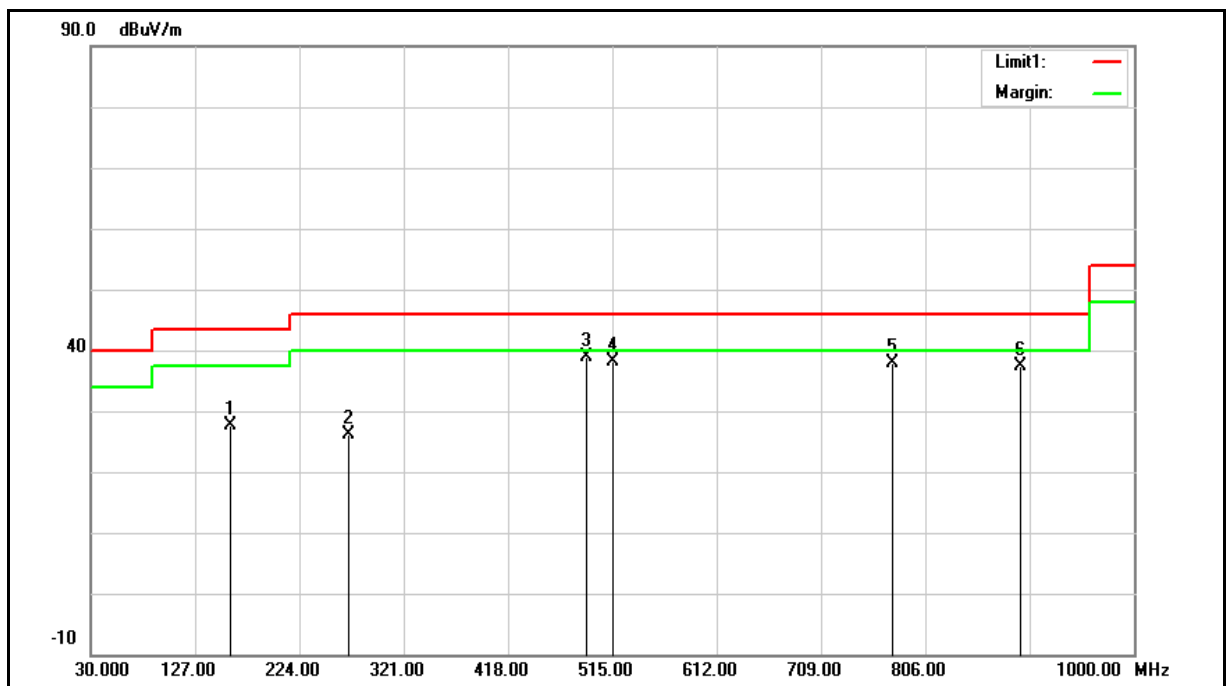
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

Example: 28.38 = -5.53 + 33.91

2. Correction factor (dB/m) = Antenna Factor (dB/m) + 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:	2402 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Test 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	159.9800	32.96	-5.33	27.63	43.50	-15.87	QP
2	269.5900	30.94	-4.91	26.03	46.00	-19.97	QP
3	490.7500	38.88	0.09	38.97	46.00	-7.03	QP
4	515.9700	37.64	0.47	38.11	46.00	-7.89	QP
5	775.9300	31.88	5.96	37.84	46.00	-8.16	QP
6	894.2700	29.55	7.72	37.27	46.00	-8.73	QP

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

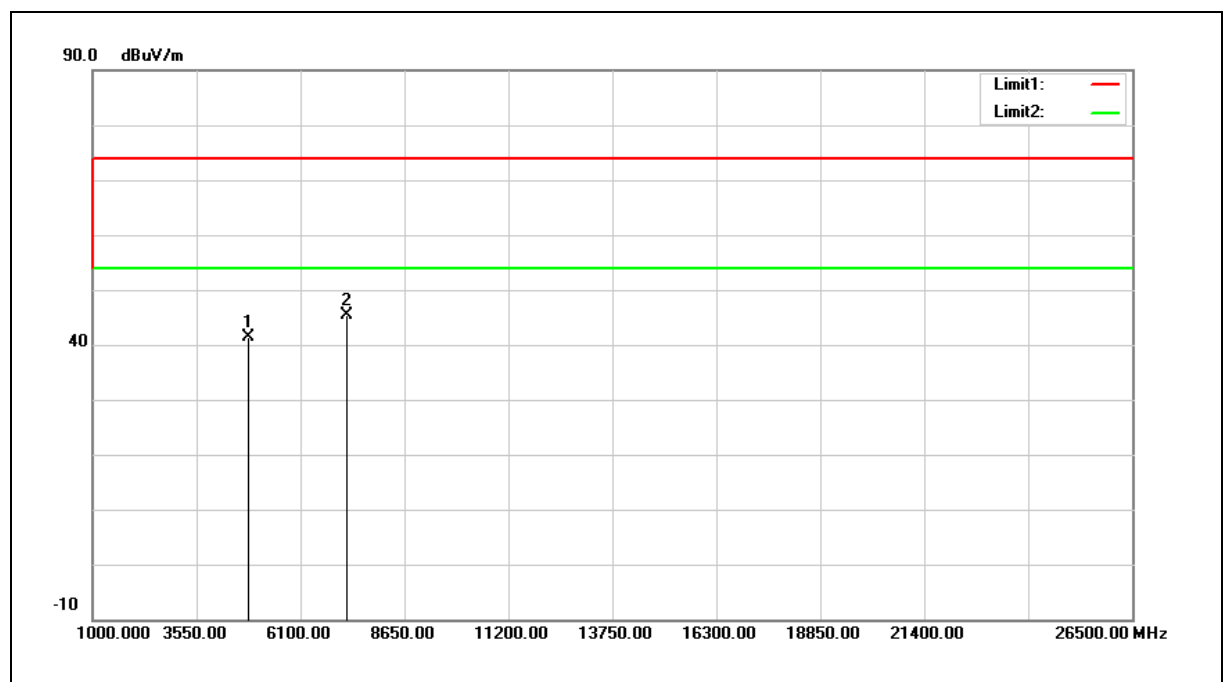
Example: $27.63 = -5.33 + 32.96$

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

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

場強輻射量側 (1 GHz 以上)

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(°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	35.97	5.37	41.34	74.00	-32.66	peak
2	7236.000	33.44	11.90	45.34	74.00	-28.66	peak

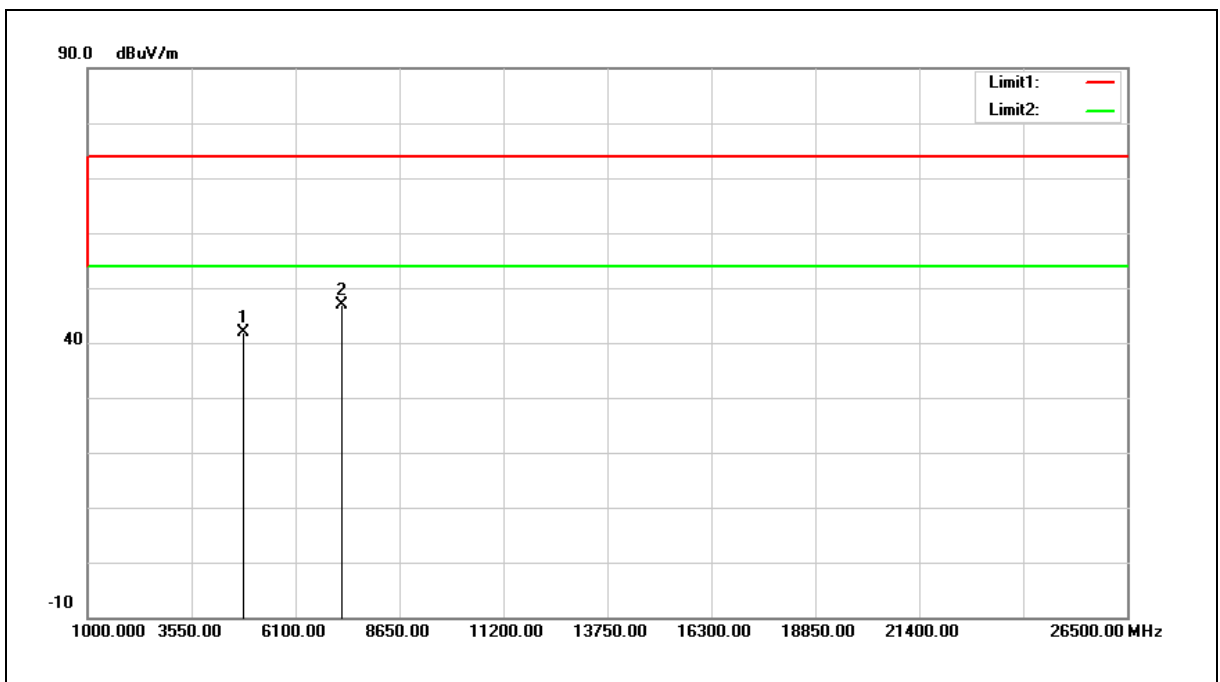
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

Example: 41.34 = 5.37 + 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:	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	36.51	5.37	41.88	74.00	-32.12	peak
2	7236.000	34.97	11.90	46.87	74.00	-27.13	peak

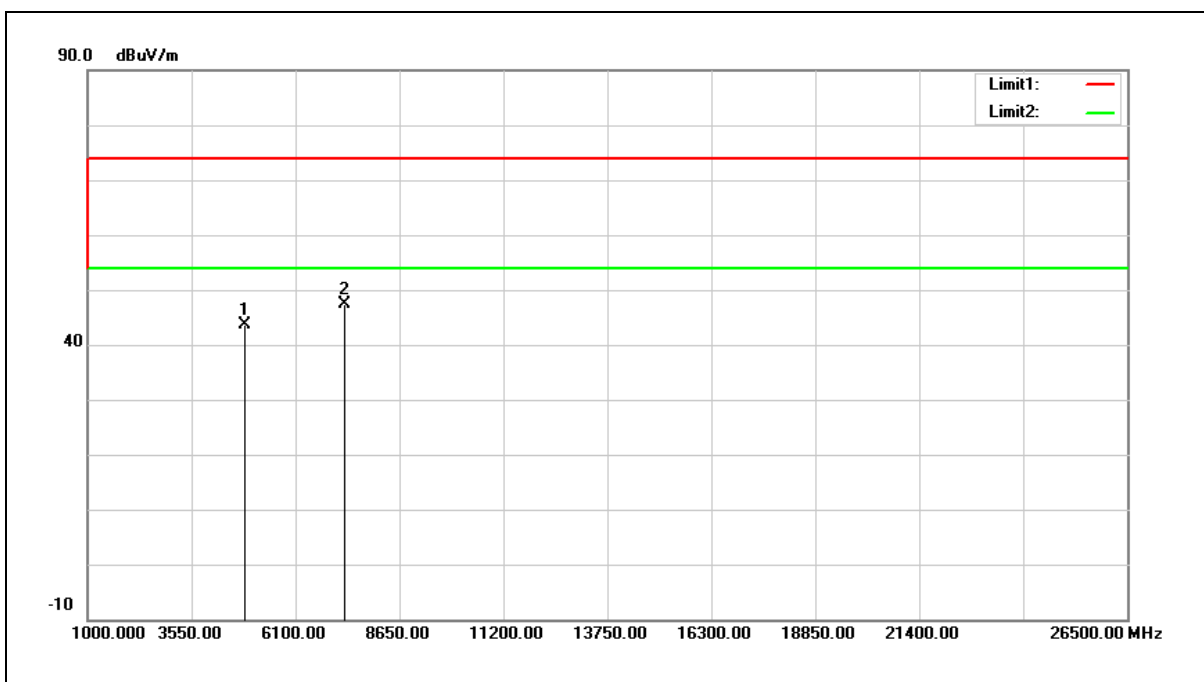
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

Example: $41.88 = 5.37 + 36.51$

2. Correction factor (dB/m) = Antenna Factor (dB/m) + 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		



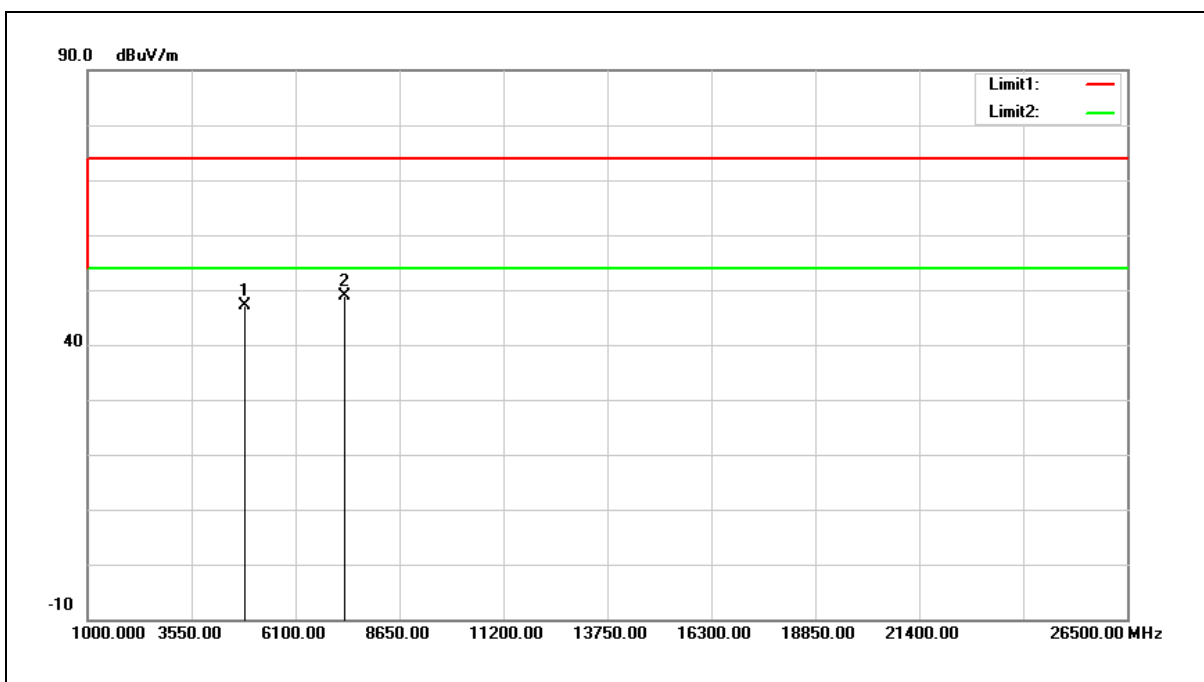
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	38.05	5.47	43.52	74.00	-30.48	peak
2	7311.000	35.30	12.13	47.43	74.00	-26.57	peak

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:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



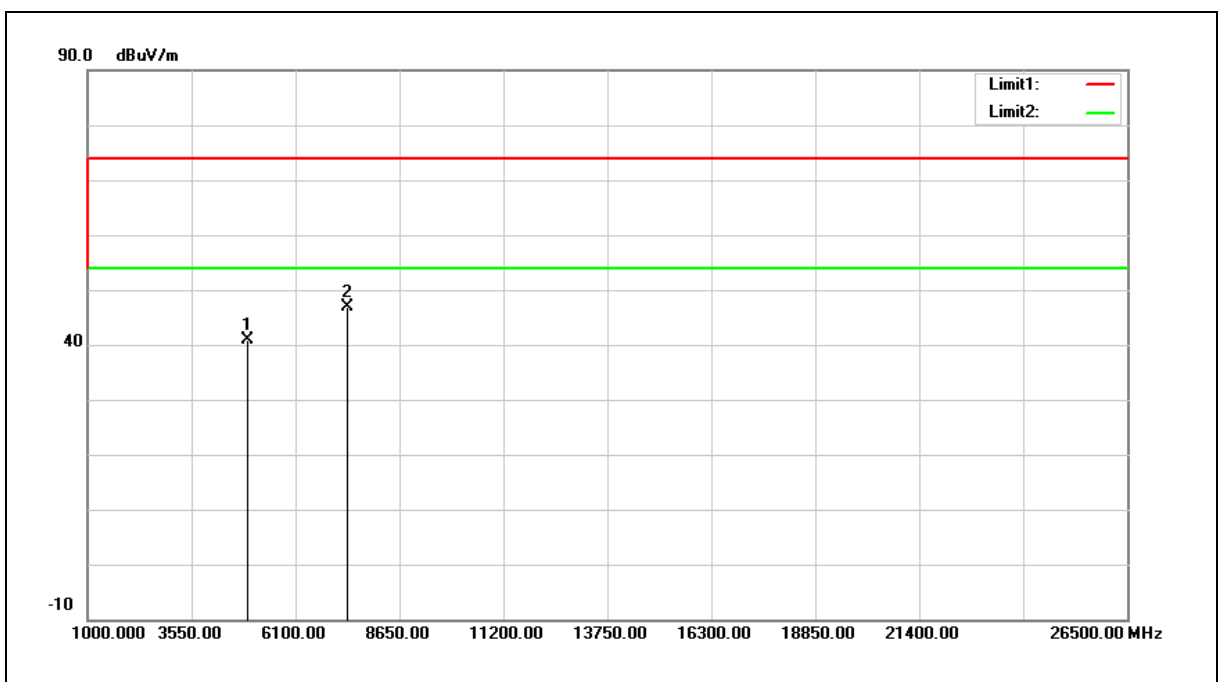
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	41.68	5.47	47.15	74.00	-26.85	peak
2	7311.000	36.81	12.13	48.94	74.00	-25.06	peak

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



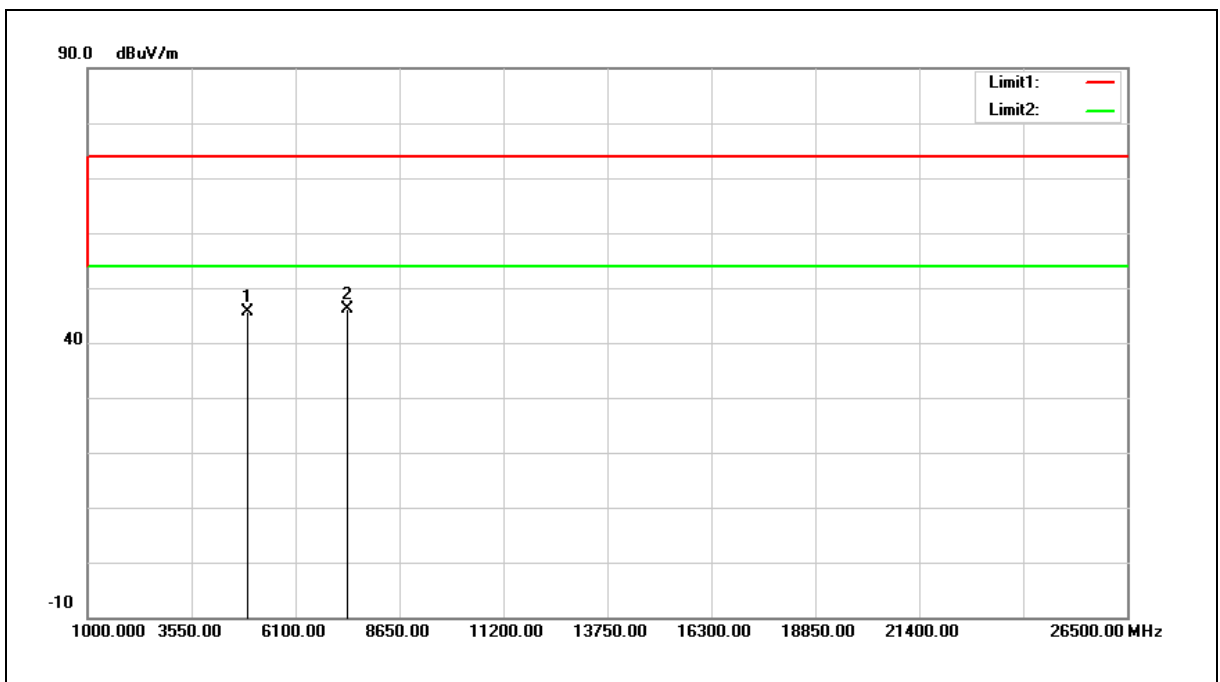
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	35.28	5.58	40.86	74.00	-33.14	peak
2	7386.000	34.59	12.36	46.95	74.00	-27.05	peak

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		



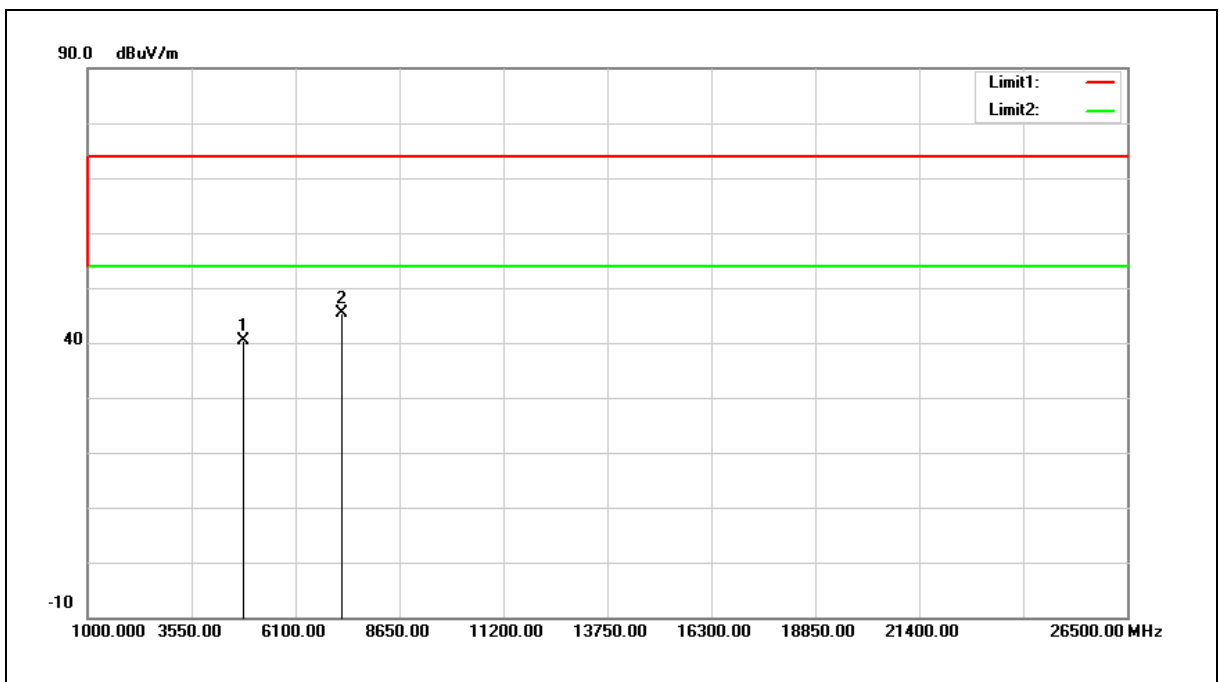
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	40.15	5.58	45.73	74.00	-28.27	peak
2	7386.000	33.66	12.36	46.02	74.00	-27.98	peak

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

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

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

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



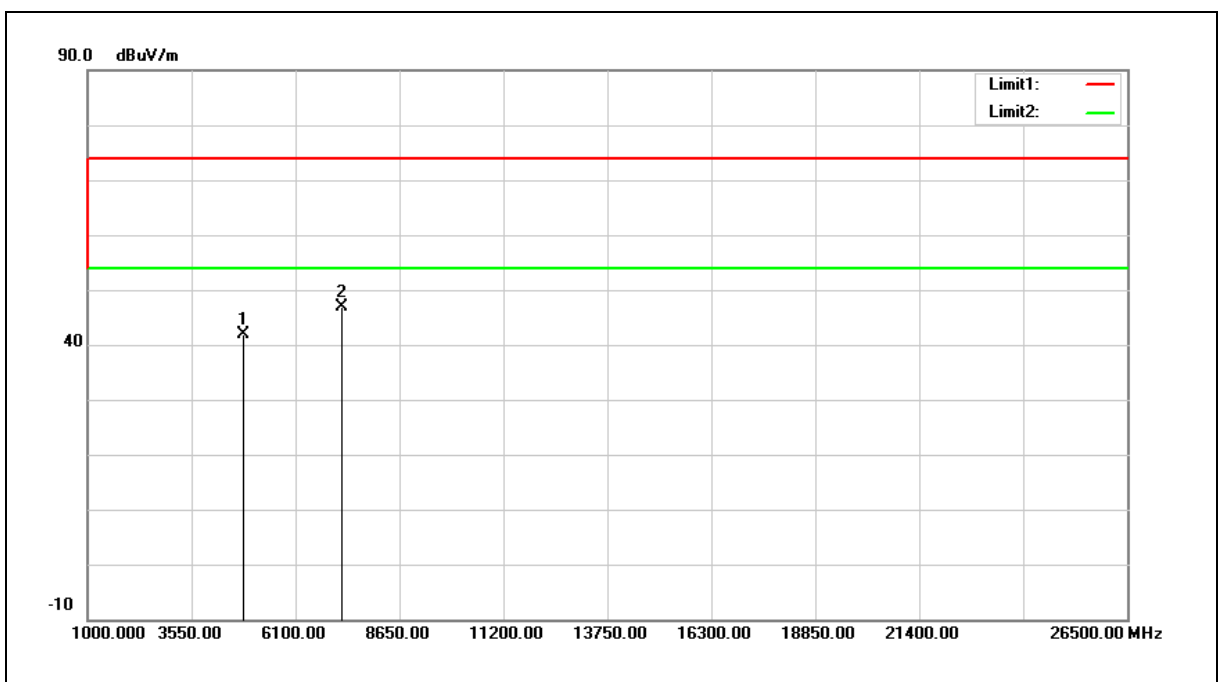
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	34.98	5.37	40.35	74.00	-33.65	peak
2	7236.000	33.55	11.90	45.45	74.00	-28.55	peak

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

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

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

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



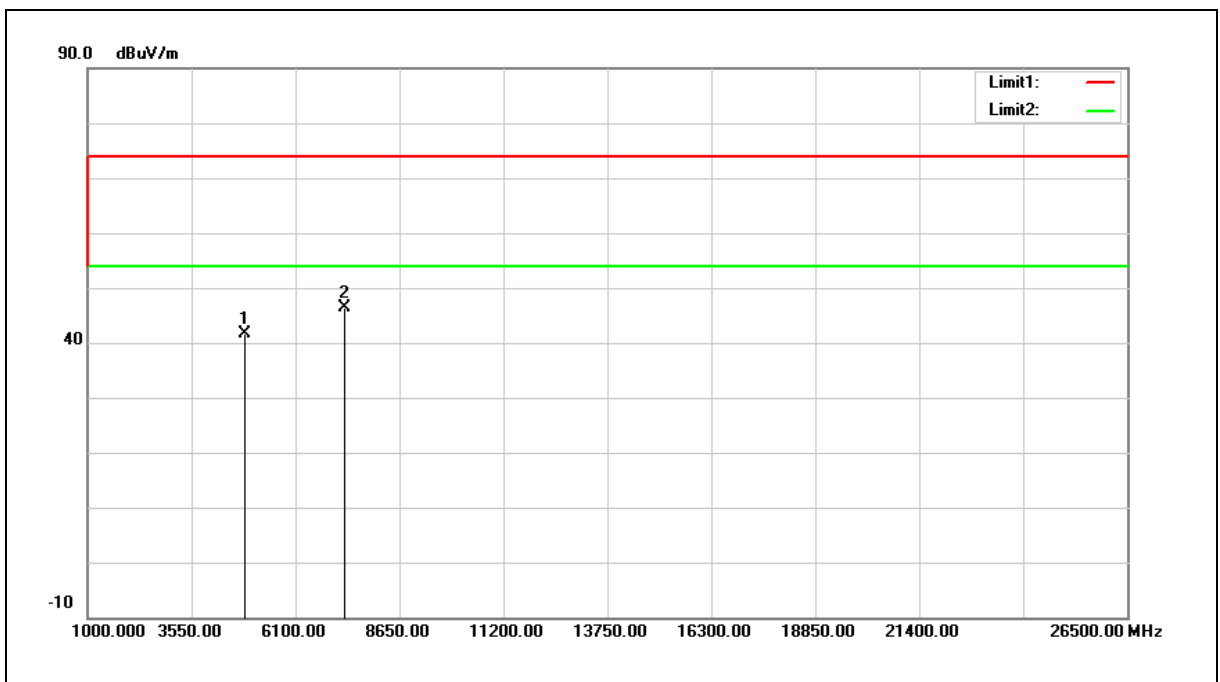
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	36.59	5.37	41.96	74.00	-32.04	peak
2	7236.000	35.05	11.90	46.95	74.00	-27.05	peak

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:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Horizontal		



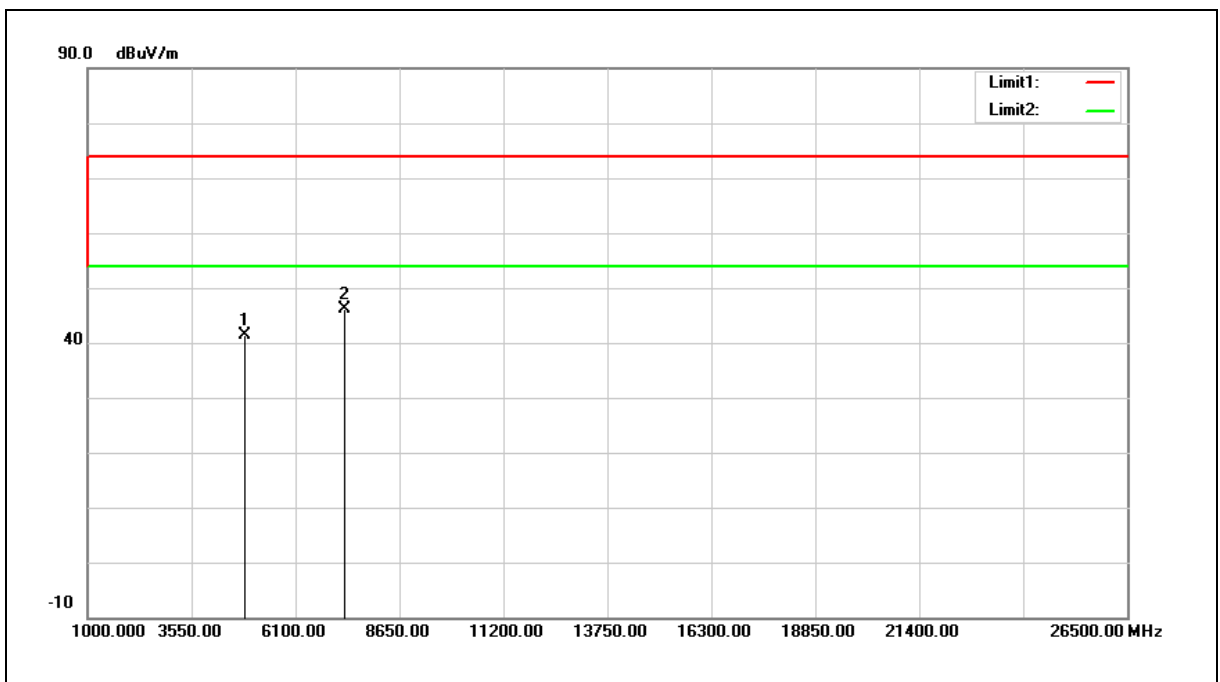
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	36.26	5.47	41.73	74.00	-32.27	peak
2	7311.000	34.20	12.13	46.33	74.00	-27.67	peak

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		



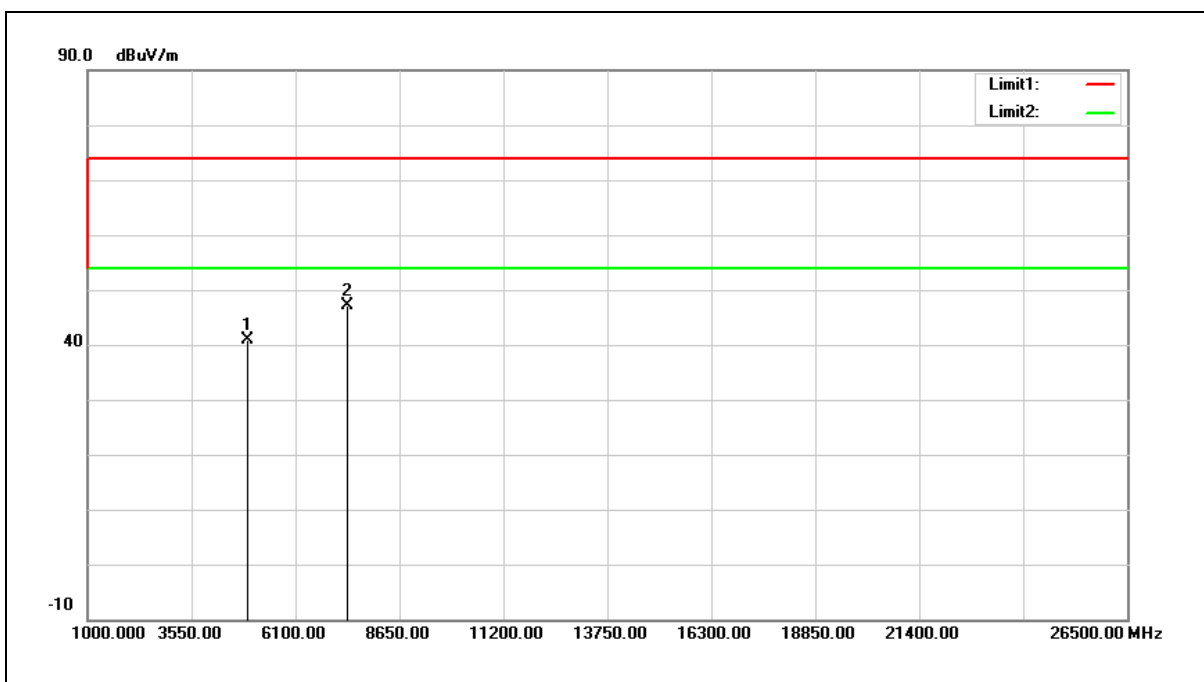
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	35.81	5.47	41.28	74.00	-32.72	peak
2	7311.000	34.08	12.13	46.21	74.00	-27.79	peak

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

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

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

Standard:	LP0002	Test Distance:	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		



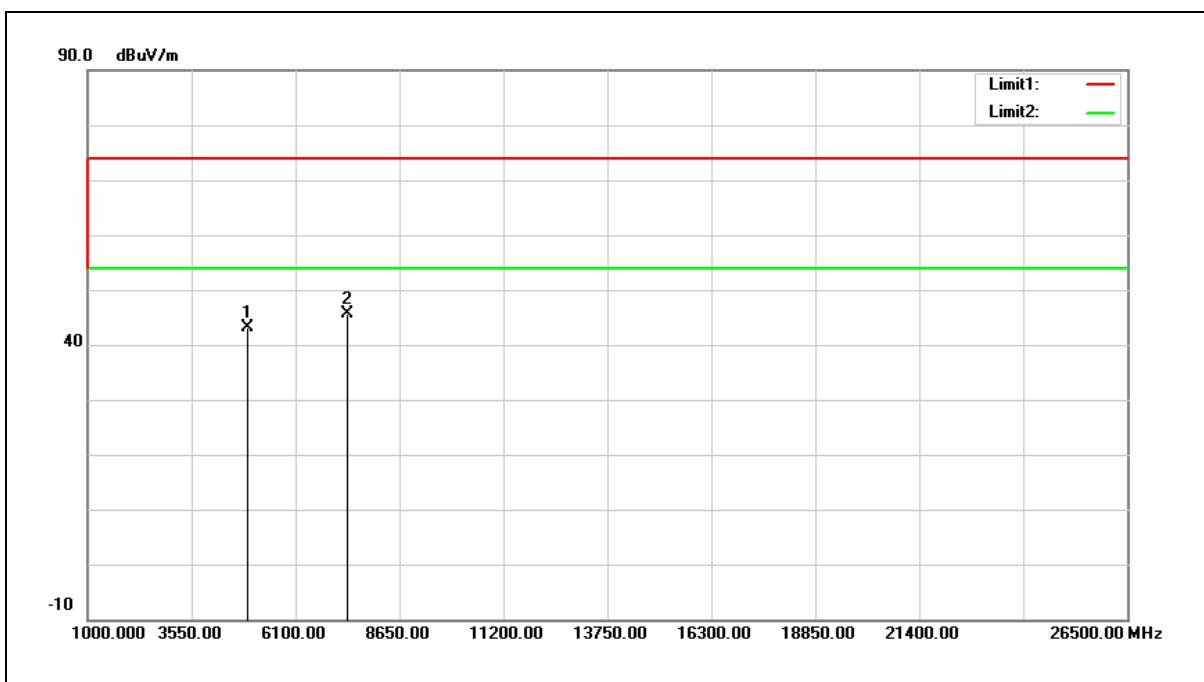
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	35.30	5.58	40.88	74.00	-33.12	peak
2	7386.000	34.81	12.36	47.17	74.00	-26.83	peak

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

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

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

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



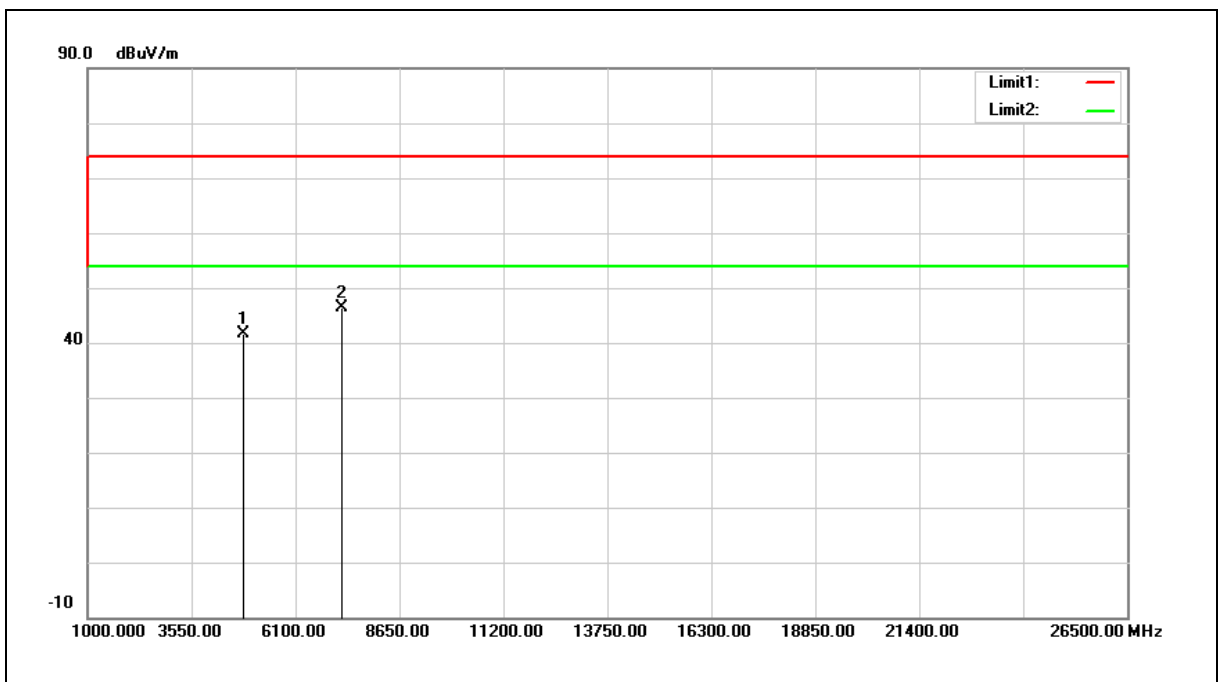
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	37.44	5.58	43.02	74.00	-30.98	peak
2	7386.000	45.58	0.00	45.58	74.00	-28.42	peak

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		



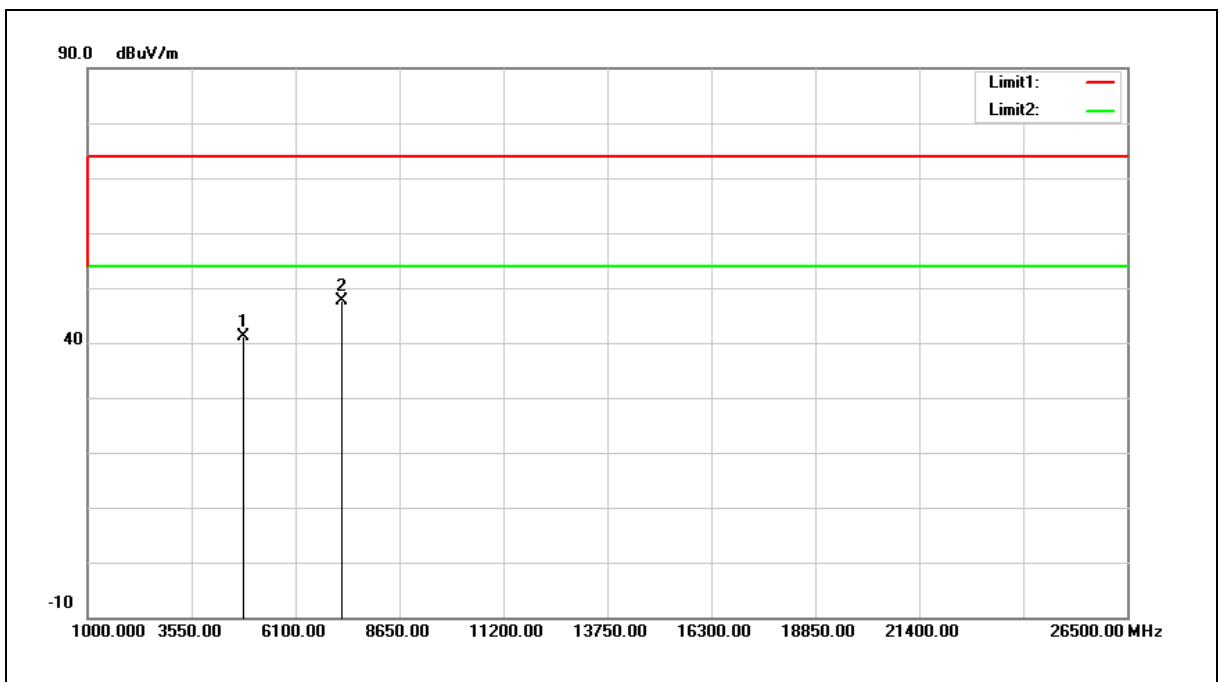
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	36.29	5.37	41.66	74.00	-32.34	peak
2	7236.000	34.57	11.90	46.47	74.00	-27.53	peak

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

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

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

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



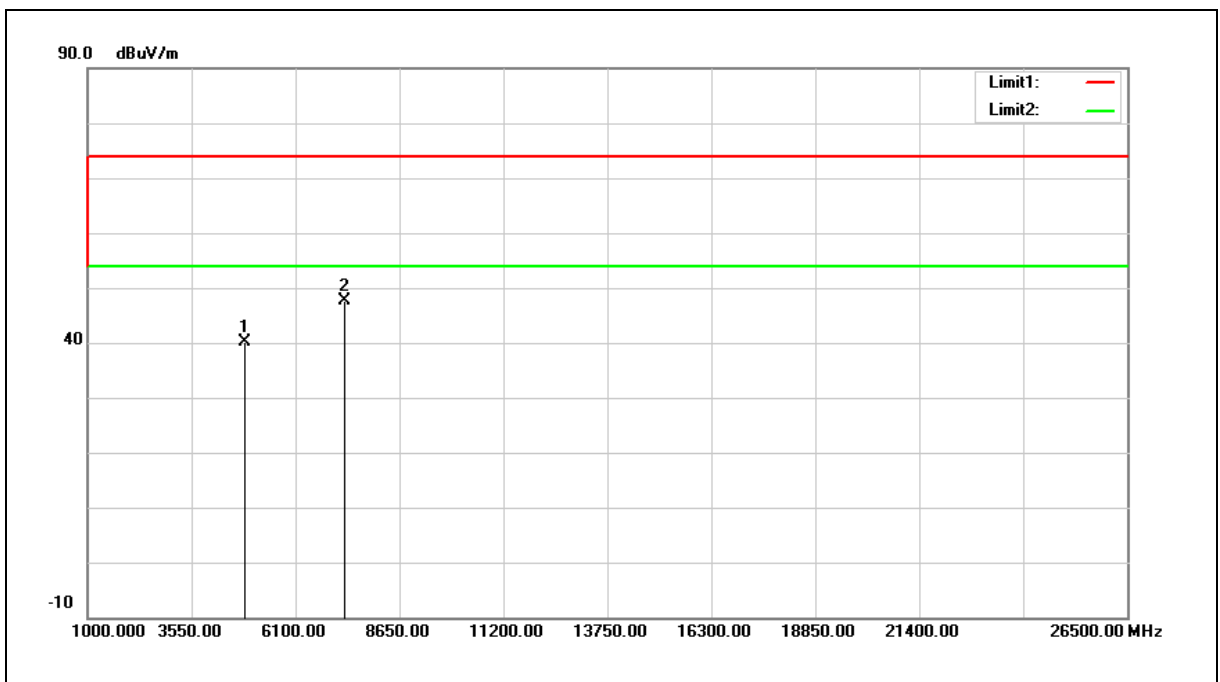
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	35.78	5.37	41.15	74.00	-32.85	peak
2	7236.000	35.61	11.90	47.51	74.00	-26.49	peak

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

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

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

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



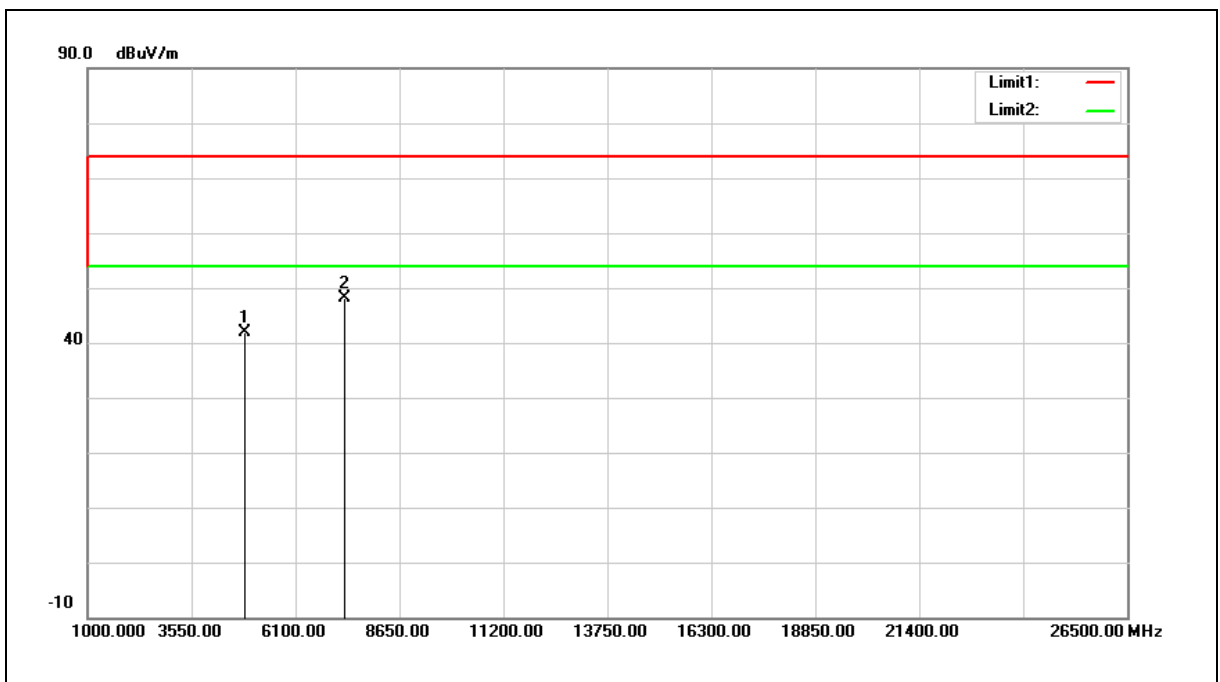
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.70	5.47	40.17	74.00	-33.83	peak
2	7311.000	35.40	12.13	47.53	74.00	-26.47	peak

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		



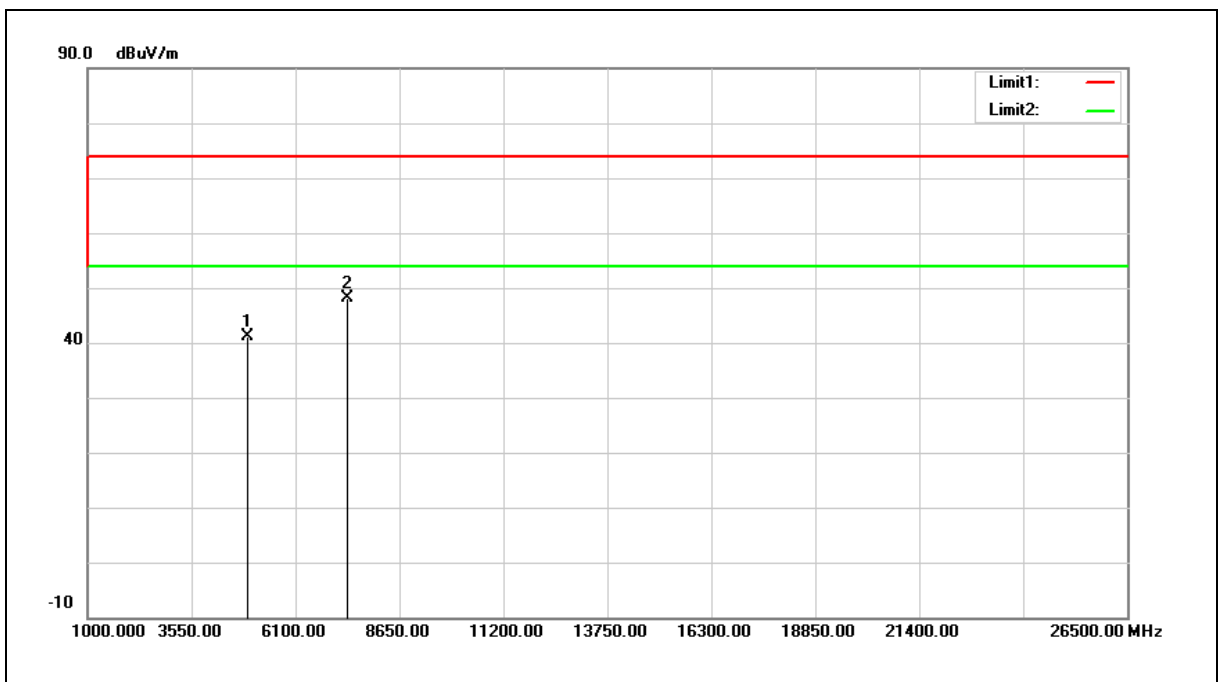
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	36.30	5.47	41.77	74.00	-32.23	peak
2	7311.000	36.01	12.13	48.14	74.00	-25.86	peak

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

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

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

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



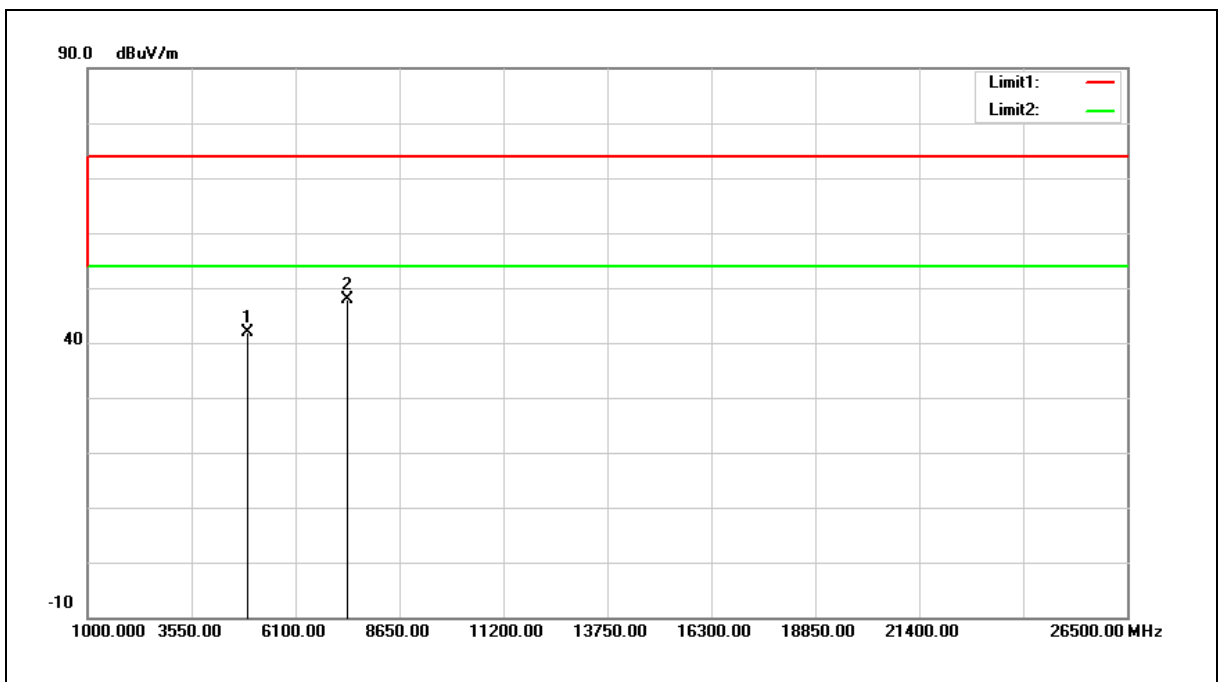
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	35.62	5.58	41.20	74.00	-32.80	peak
2	7386.000	35.68	12.36	48.04	74.00	-25.96	peak

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

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

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

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



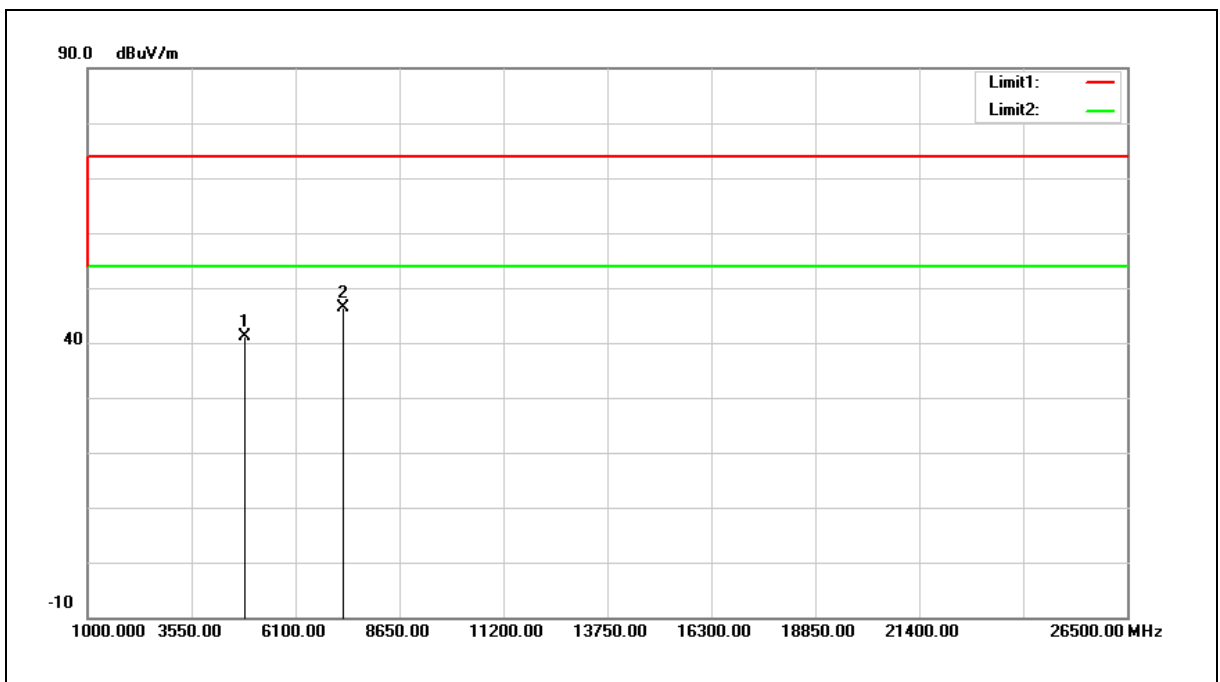
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	36.29	5.58	41.87	74.00	-32.13	peak
2	7386.000	35.55	12.36	47.91	74.00	-26.09	peak

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



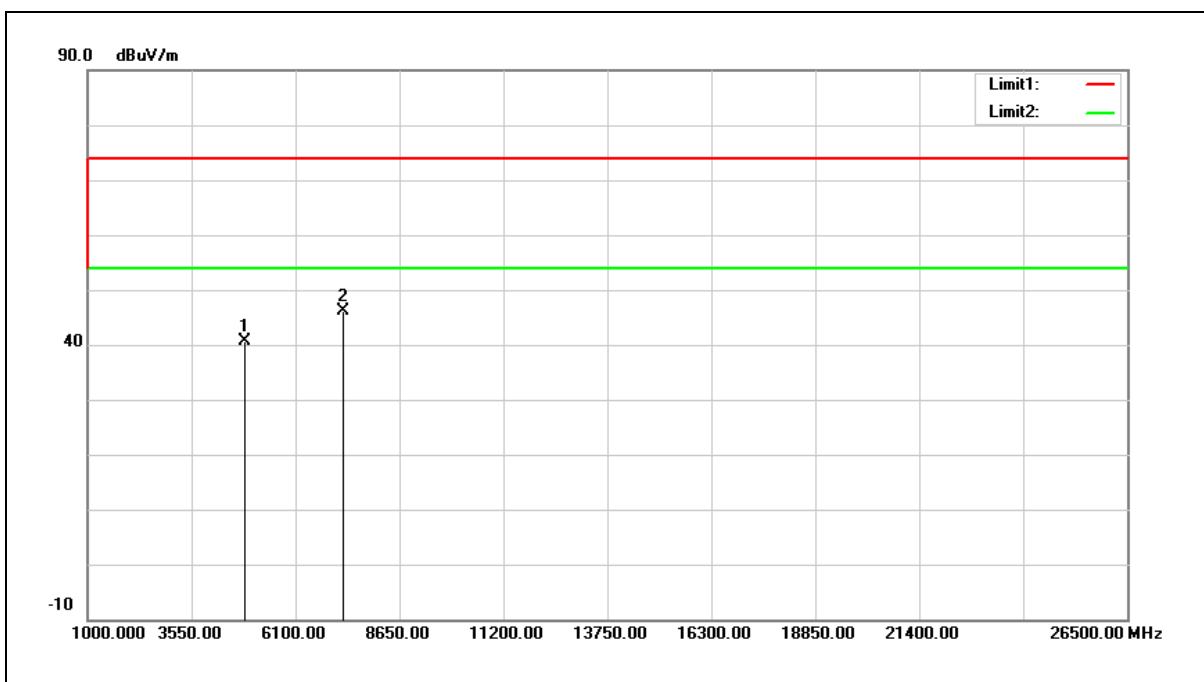
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	35.71	5.42	41.13	74.00	-32.87	peak
2	7266.000	34.41	11.98	46.39	74.00	-27.61	peak

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

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

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

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



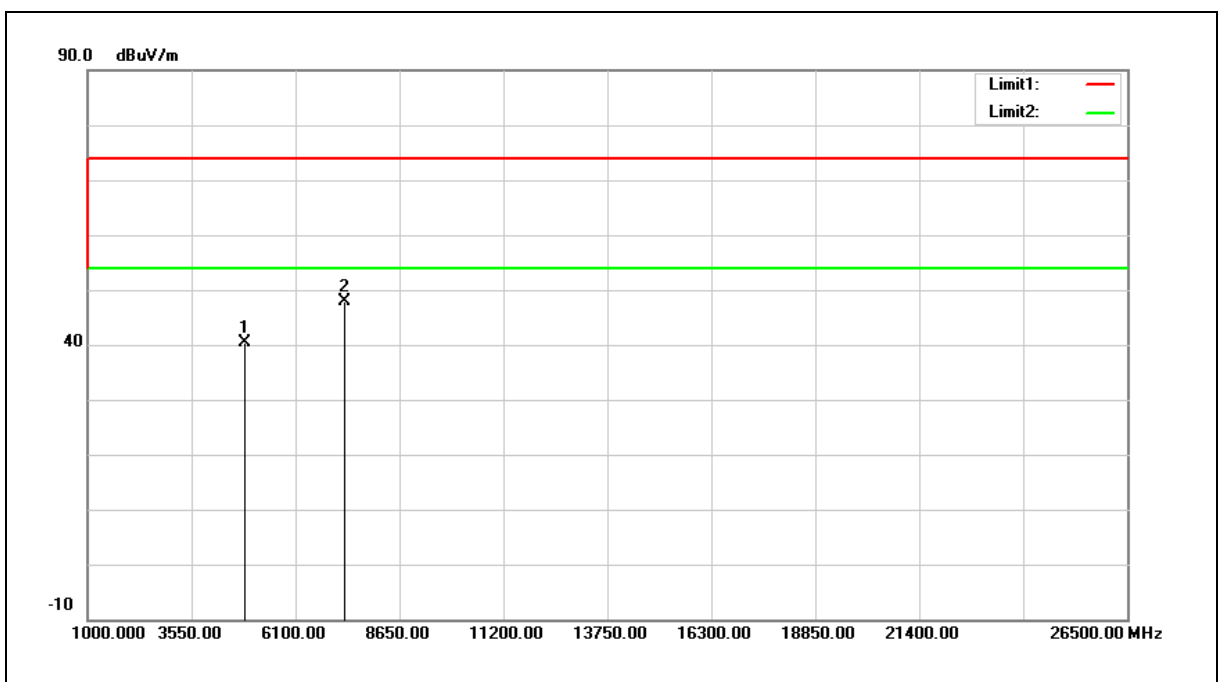
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	35.12	5.42	40.54	74.00	-33.46	peak
2	7266.000	34.20	11.98	46.18	74.00	-27.82	peak

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:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



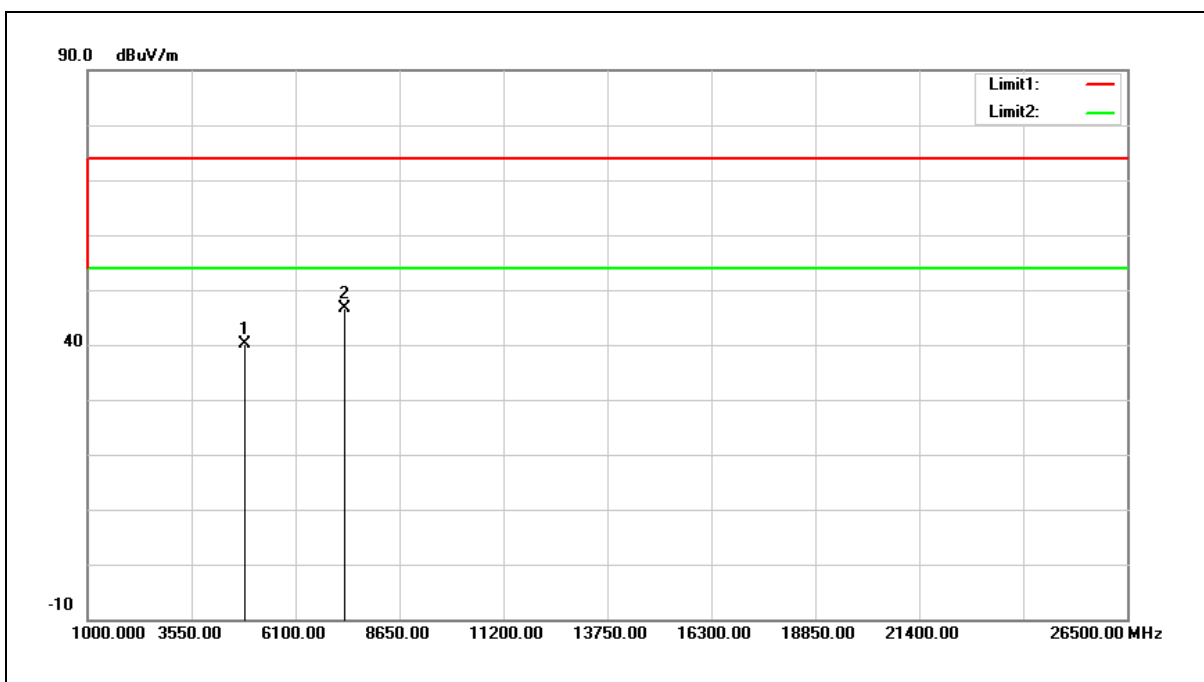
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.82	5.47	40.29	74.00	-33.71	peak
2	7311.000	35.67	12.13	47.80	74.00	-26.20	peak

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

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

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

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



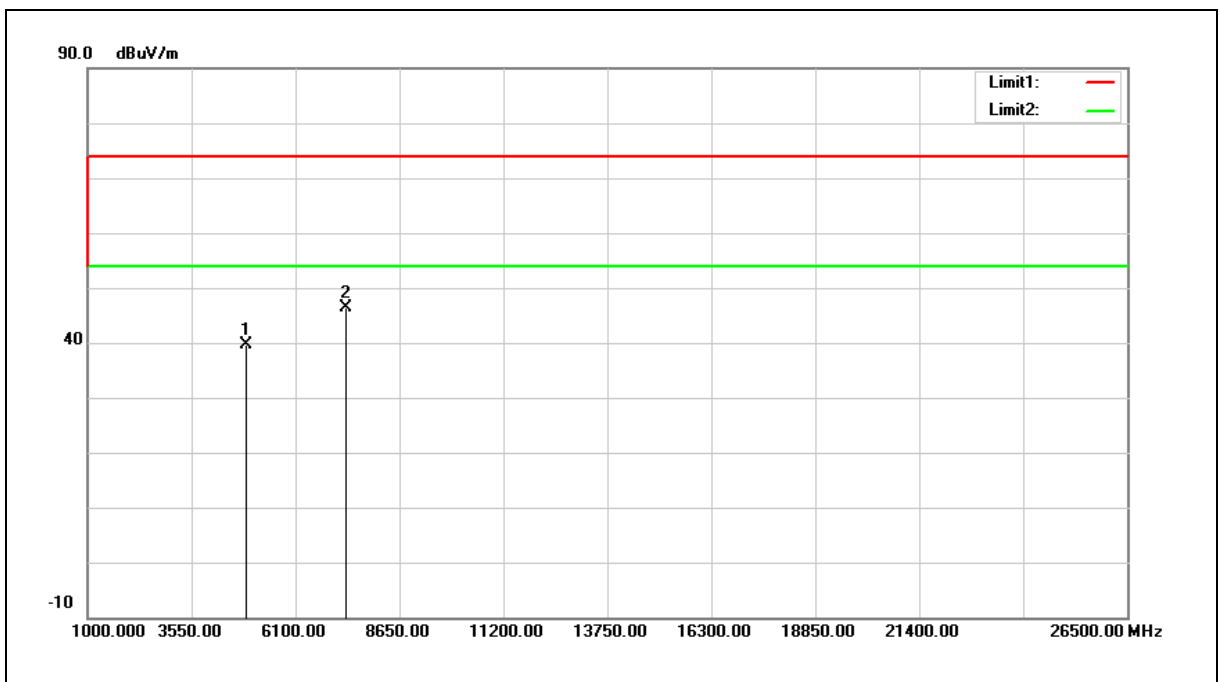
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.56	5.47	40.03	74.00	-33.97	peak
2	7311.000	34.51	12.13	46.64	74.00	-27.36	peak

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

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

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

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



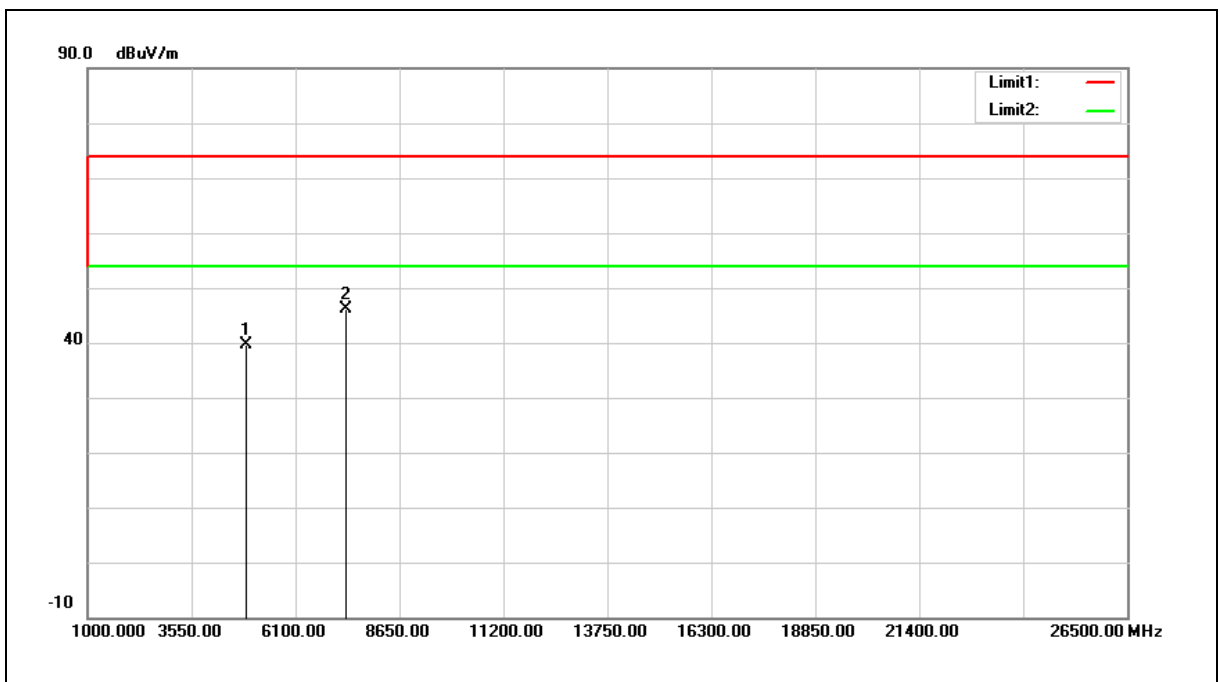
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	34.16	5.54	39.70	74.00	-34.30	peak
2	7356.000	34.07	12.25	46.32	74.00	-27.68	peak

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

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

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

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



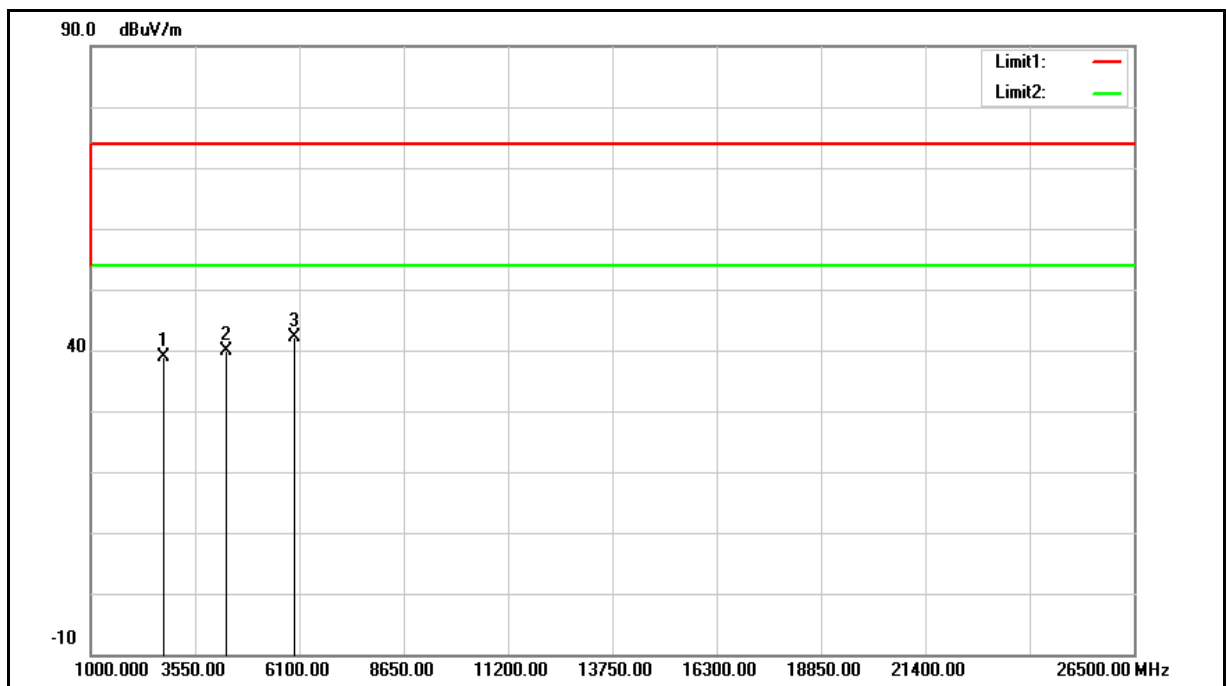
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	34.03	5.54	39.57	74.00	-34.43	peak
2	7356.000	33.76	12.25	46.01	74.00	-27.99	peak

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

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

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

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



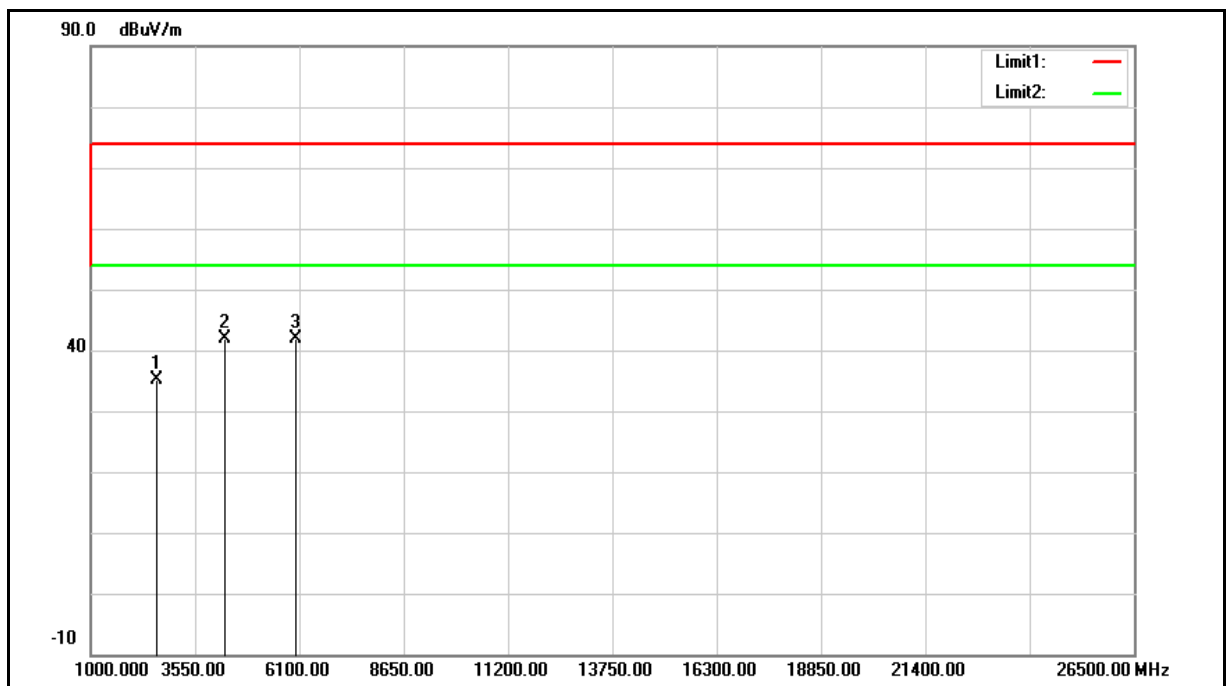
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2785.000	38.86	0.07	38.93	74.00	-35.07	peak
2	4315.000	35.73	4.09	39.82	74.00	-34.18	peak
3	5981.000	34.26	7.86	42.12	74.00	-31.88	peak

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

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

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

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



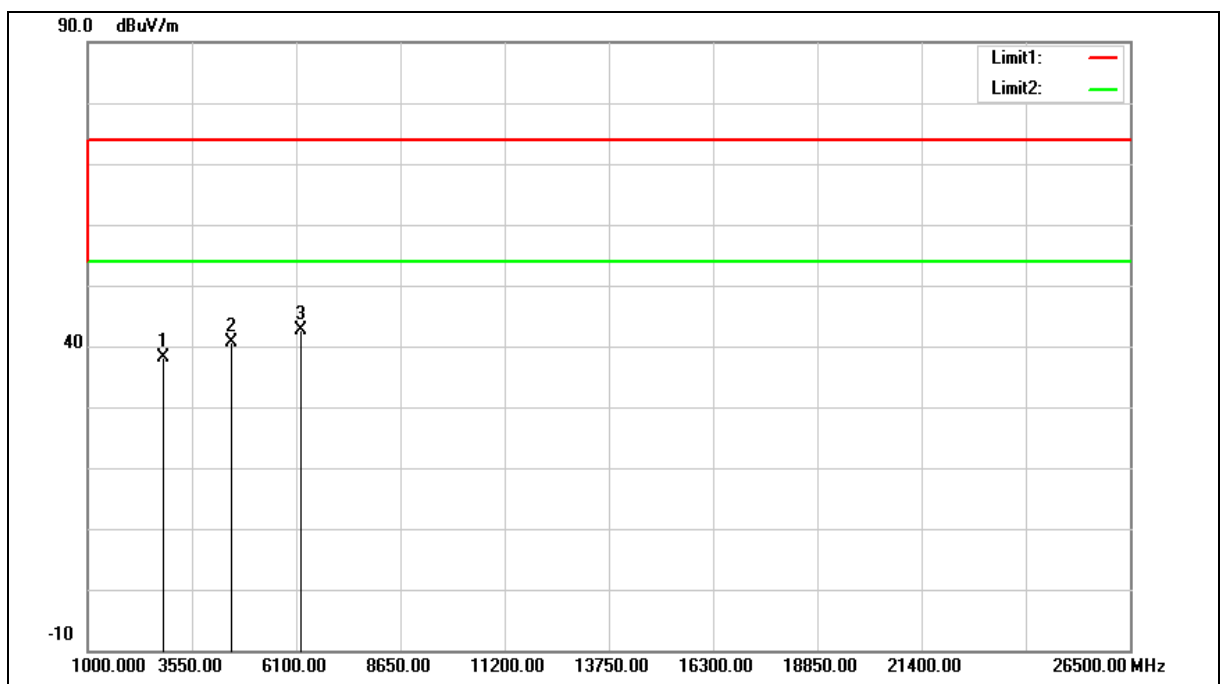
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2598.000	35.66	-0.47	35.19	74.00	-38.81	peak
2	4281.000	37.99	3.97	41.96	74.00	-32.04	peak
3	5998.000	33.94	7.90	41.84	74.00	-32.16	peak

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 11	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Ant.Polar.:	Horizontal		
Description:			



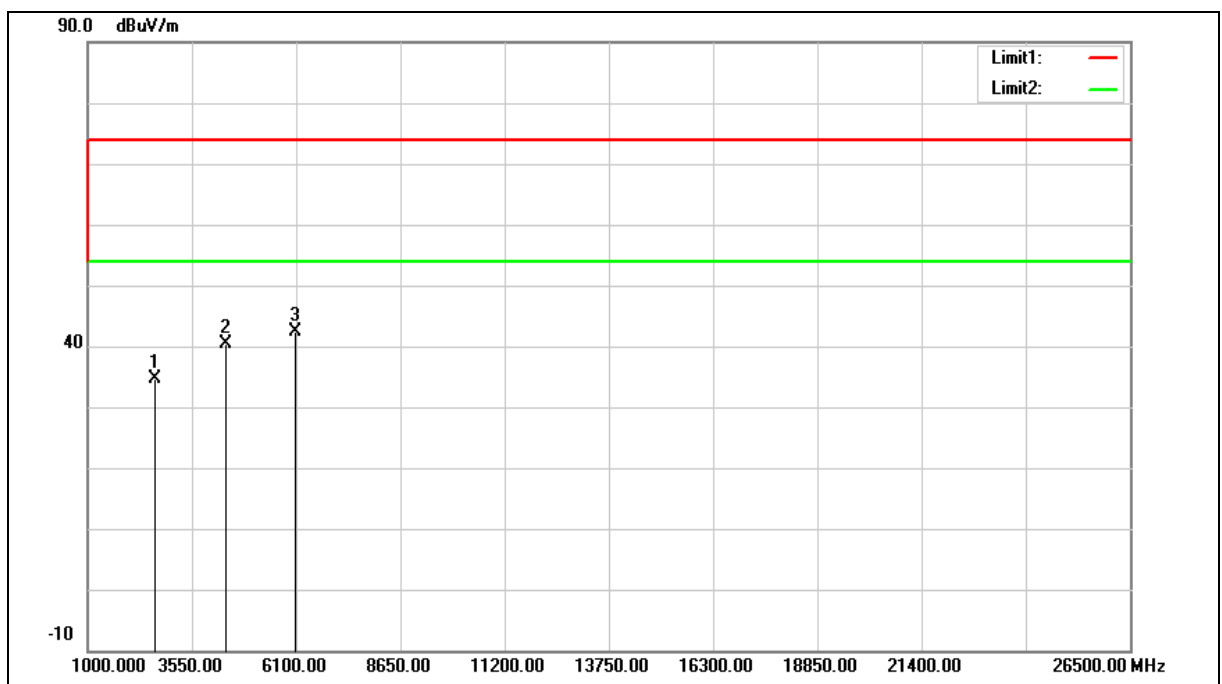
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2819.000	37.90	0.17	38.07	74.00	-35.93	peak
2	4502.000	36.01	4.71	40.72	74.00	-33.28	peak
3	6202.000	34.01	8.74	42.75	74.00	-31.25	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Mode:	Mode 11	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Ant.Polar.:	Vertical		
Description:			



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2649.000	34.85	-0.33	34.52	74.00	-39.48	peak
2	4349.000	36.15	4.20	40.35	74.00	-33.65	peak
3	6066.000	34.19	8.17	42.36	74.00	-31.64	peak

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

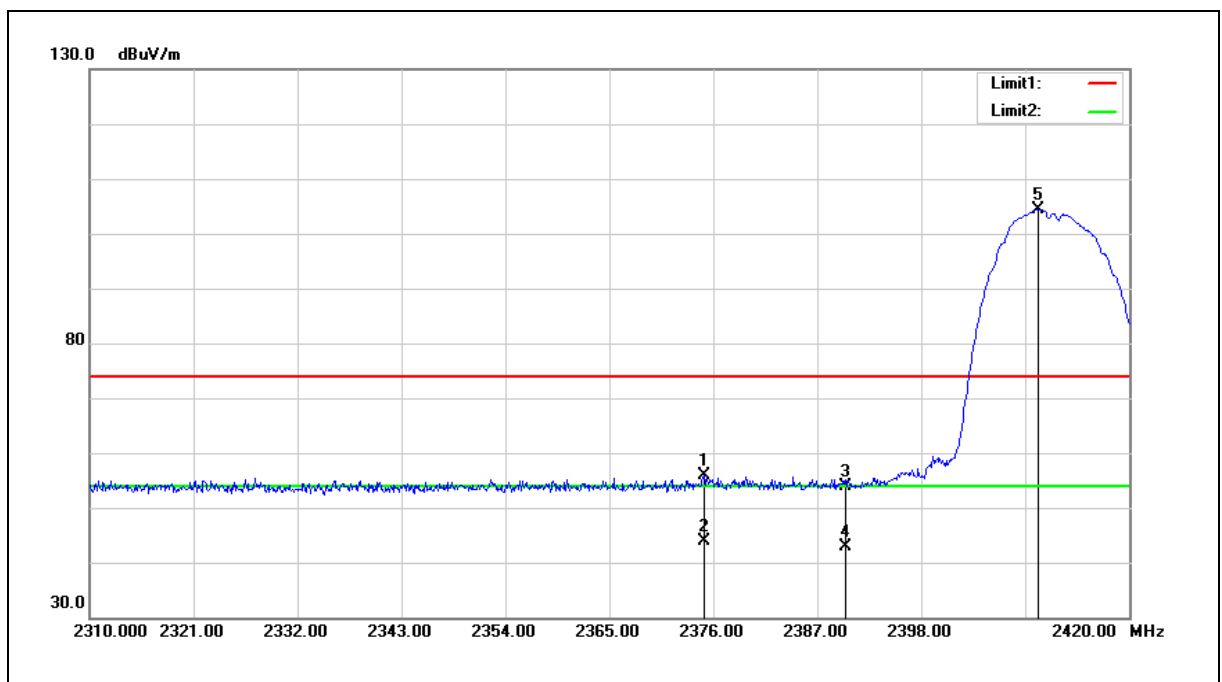
2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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

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		



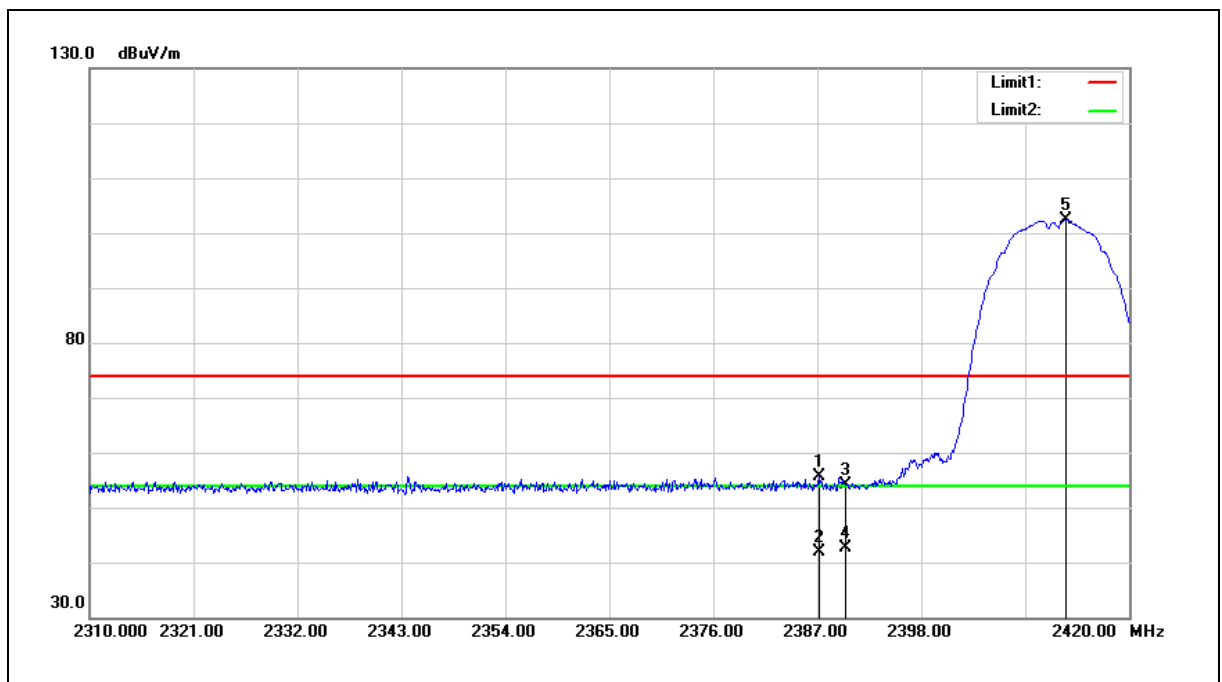
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2375.010	57.07	-1.22	55.85	74.00	-18.15	peak
2	2375.010	45.07	-1.22	43.85	54.00	-10.15	AVG
3	2390.000	55.09	-1.17	53.92	74.00	-20.08	peak
4	2390.000	44.00	-1.17	42.83	54.00	-11.17	AVG
5	2410.430	105.55	-1.09	104.46	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	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		



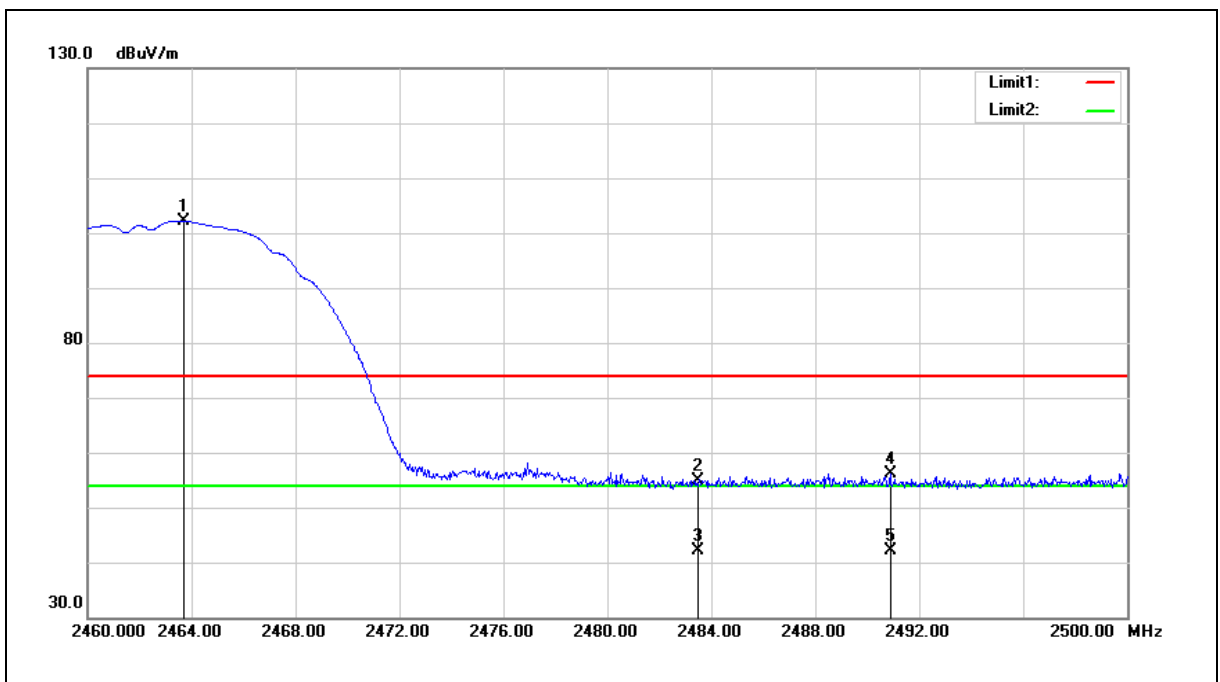
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.220	56.75	-1.17	55.58	74.00	-18.42	peak
2	2387.220	43.10	-1.17	41.93	54.00	-12.07	AVG
3	2390.000	55.37	-1.17	54.20	74.00	-19.80	peak
4	2390.000	43.71	-1.17	42.54	54.00	-11.46	AVG
5	2413.290	103.39	-1.08	102.31	--	--	peak

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

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

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

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



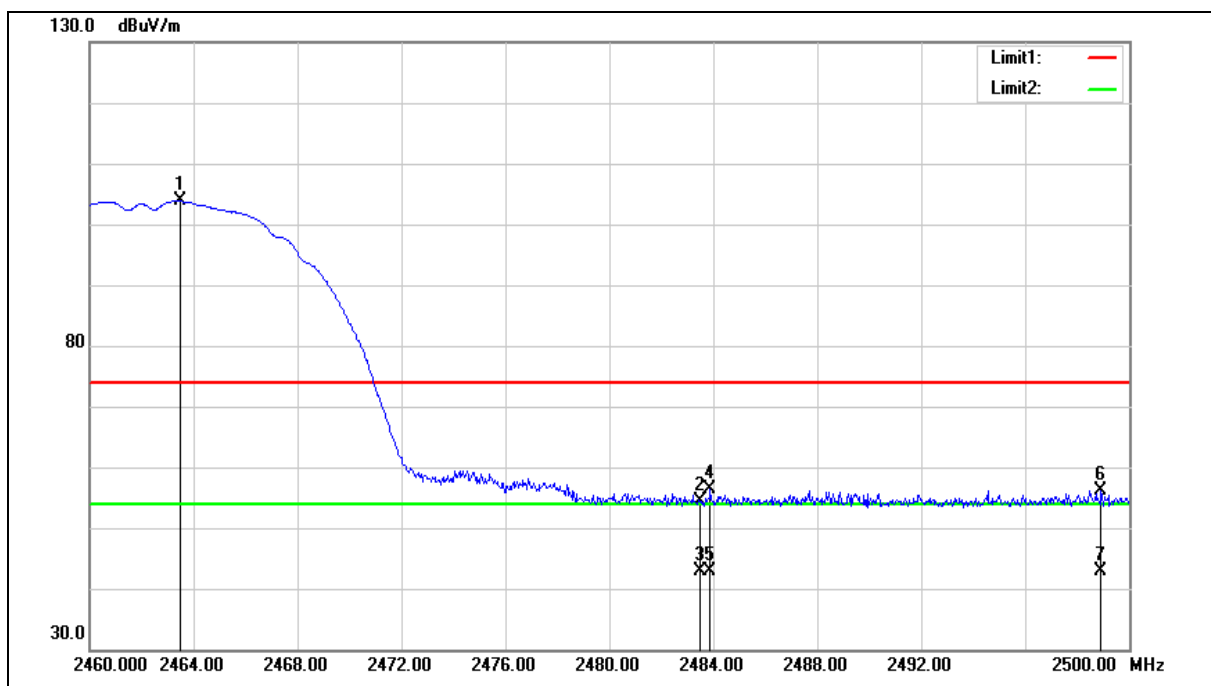
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.680	103.07	-0.89	102.18	--	--	peak
2	2483.500	55.71	-0.82	54.89	74.00	-19.11	peak
3	2483.500	43.07	-0.82	42.25	54.00	-11.75	AVG
4	2490.880	56.97	-0.79	56.18	74.00	-17.82	peak
5	2490.880	43.00	-0.79	42.21	54.00	-11.79	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		

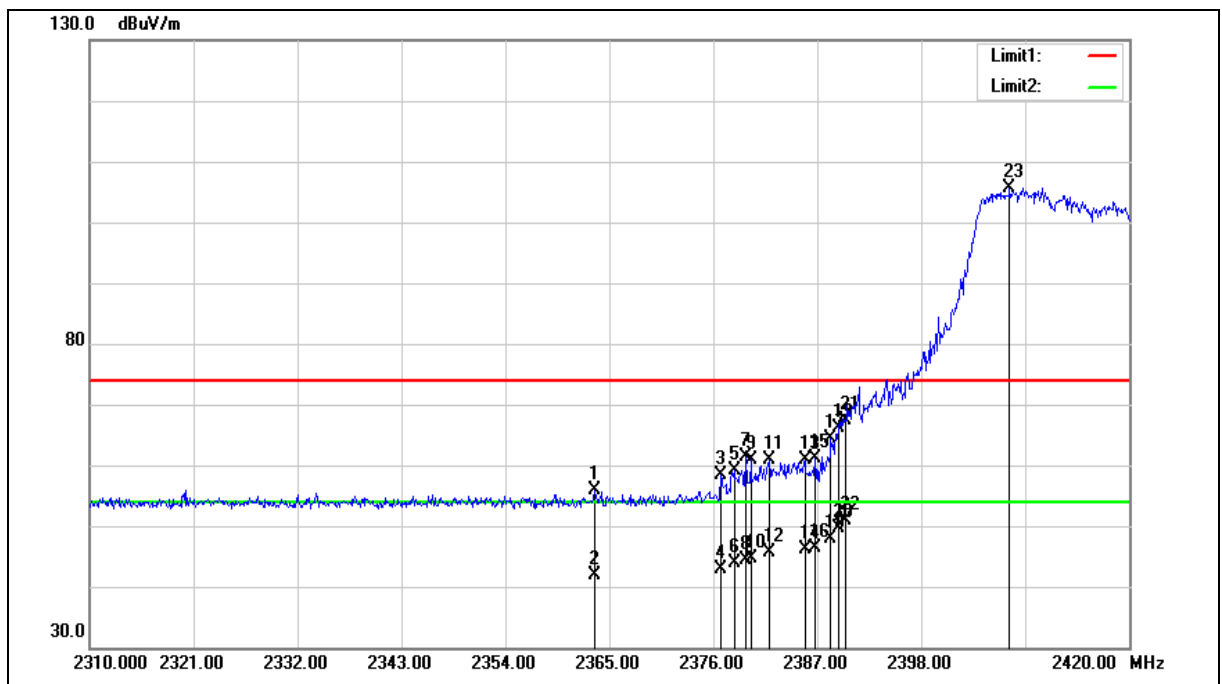
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.480	104.70	-0.89	103.81	--	--	peak
2	2483.500	55.15	-0.82	54.33	74.00	-19.67	peak
3	2483.500	43.66	-0.82	42.84	54.00	-11.16	AVG
4	2483.880	57.19	-0.82	56.37	74.00	-17.63	peak
5	2483.880	43.71	-0.82	42.89	54.00	-11.11	AVG
6	2498.920	56.93	-0.76	56.17	74.00	-17.83	peak
7	2498.920	43.69	-0.76	42.93	54.00	-11.07	AVG

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	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		

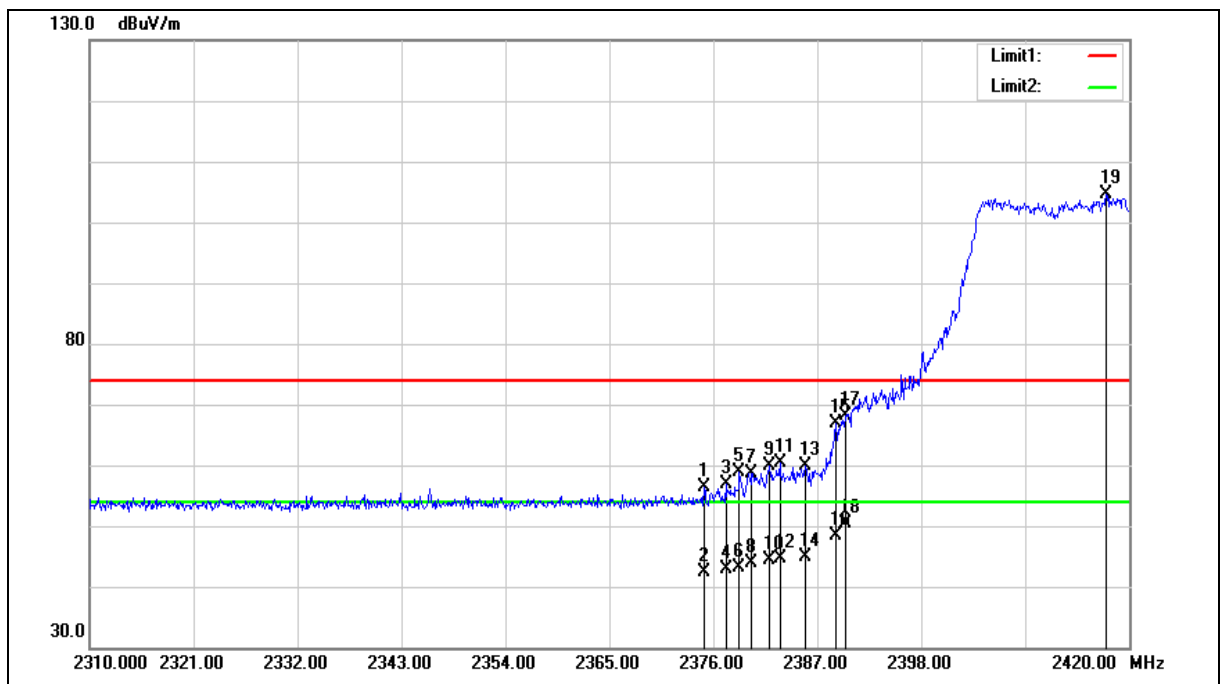
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2363.460	57.09	-1.26	55.83	74.00	-18.17	peak
2	2363.460	43.23	-1.26	41.97	54.00	-12.03	AVG
3	2376.770	59.56	-1.22	58.34	74.00	-15.66	peak
4	2376.770	44.15	-1.22	42.93	54.00	-11.07	AVG
5	2378.200	60.45	-1.21	59.24	74.00	-14.76	peak
6	2378.200	45.03	-1.21	43.82	54.00	-10.18	AVG
7	2379.410	62.62	-1.20	61.42	74.00	-12.58	peak
8	2379.410	45.51	-1.20	44.31	54.00	-9.69	AVG
9	2379.960	62.20	-1.20	61.00	74.00	-13.00	peak
10	2379.960	45.85	-1.20	44.65	54.00	-9.35	AVG
11	2381.940	62.13	-1.20	60.93	74.00	-13.07	peak
12	2381.940	46.79	-1.20	45.59	54.00	-8.41	AVG
13	2385.680	61.94	-1.18	60.76	74.00	-13.24	peak
14	2385.680	47.24	-1.18	46.06	54.00	-7.94	AVG
15	2386.780	62.20	-1.17	61.03	74.00	-12.97	peak
16	2386.780	47.55	-1.17	46.38	54.00	-7.62	AVG
17	2388.430	65.44	-1.17	64.27	74.00	-9.73	peak
18	2388.430	49.03	-1.17	47.86	54.00	-6.14	AVG
19	2389.310	67.22	-1.17	66.05	74.00	-7.95	peak
20	2389.310	50.84	-1.17	49.67	54.00	-4.33	AVG
21	2390.000	68.53	-1.17	67.36	74.00	-6.64	peak
22	2390.000	52.07	-1.17	50.90	54.00	-3.10	AVG
23	2407.350	106.83	-1.10	105.73	--	--	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 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		

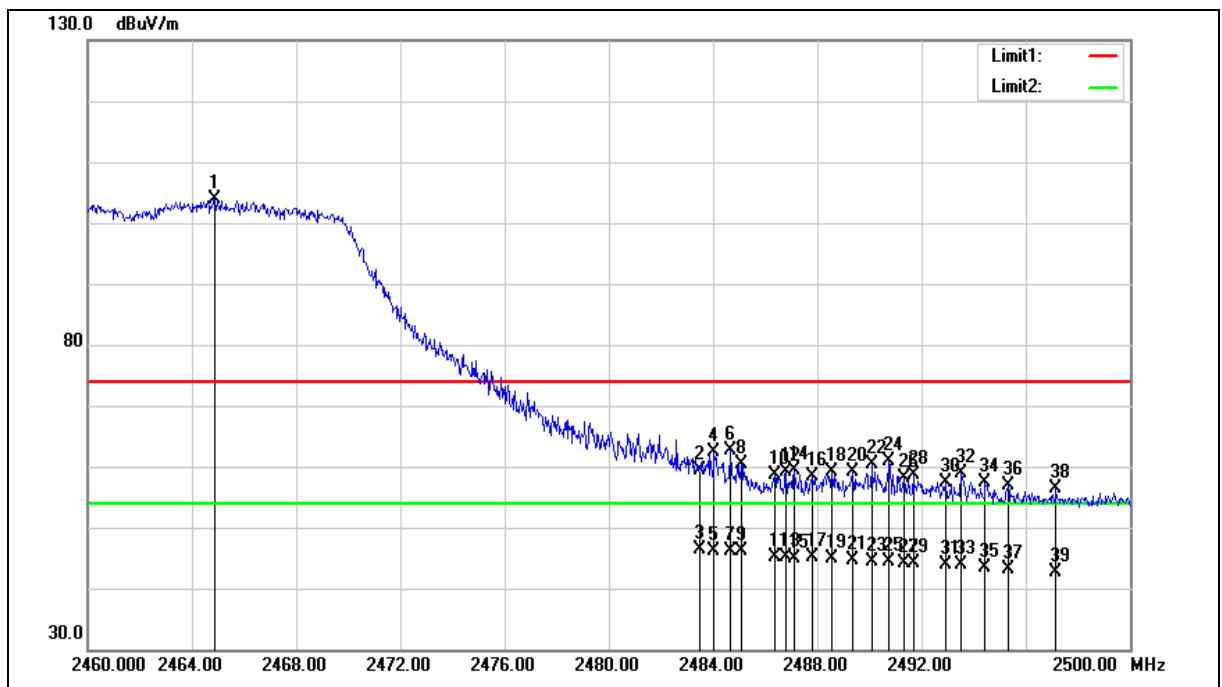
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2375.010	57.66	-1.22	56.44	74.00	-17.56	peak
2	2375.010	43.56	-1.22	42.34	54.00	-11.66	AVG
3	2377.320	57.99	-1.21	56.78	74.00	-17.22	peak
4	2377.320	44.00	-1.21	42.79	54.00	-11.21	AVG
5	2378.750	60.05	-1.21	58.84	74.00	-15.16	peak
6	2378.750	44.45	-1.21	43.24	54.00	-10.76	AVG
7	2380.070	59.90	-1.20	58.70	74.00	-15.30	peak
8	2380.070	44.99	-1.20	43.79	54.00	-10.21	AVG
9	2381.940	60.99	-1.20	59.79	74.00	-14.21	peak
10	2381.940	45.52	-1.20	44.32	54.00	-9.68	AVG
11	2383.040	61.59	-1.19	60.40	74.00	-13.60	peak
12	2383.040	45.83	-1.19	44.64	54.00	-9.36	AVG
13	2385.680	61.15	-1.18	59.97	74.00	-14.03	peak
14	2385.680	46.11	-1.18	44.93	54.00	-9.07	AVG
15	2388.980	68.07	-1.17	66.90	74.00	-7.10	peak
16	2388.980	49.59	-1.17	48.42	54.00	-5.58	AVG
17	2390.000	69.42	-1.17	68.25	74.00	-5.75	peak
18	2390.000	51.50	-1.17	50.33	54.00	-3.67	AVG
19	2417.580	105.60	-1.06	104.54	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	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	2464.880	104.85	-0.89	103.96	--	--	peak
2	2483.500	60.09	-0.82	59.27	74.00	-14.73	peak
3	2483.500	47.25	-0.82	46.43	54.00	-7.57	AVG
4	2484.040	63.24	-0.82	62.42	74.00	-11.58	peak
5	2484.040	47.02	-0.82	46.20	54.00	-7.80	AVG
6	2484.680	63.51	-0.82	62.69	74.00	-11.31	peak
7	2484.680	46.89	-0.82	46.07	54.00	-7.93	AVG
8	2485.080	61.27	-0.82	60.45	74.00	-13.55	peak
9	2485.080	46.84	-0.82	46.02	54.00	-7.98	AVG
10	2486.360	59.36	-0.82	58.54	74.00	-15.46	peak
11	2486.360	45.95	-0.82	45.13	54.00	-8.87	AVG
12	2486.800	59.92	-0.81	59.11	74.00	-14.89	peak
13	2486.800	45.89	-0.81	45.08	54.00	-8.92	AVG
14	2487.120	60.13	-0.81	59.32	74.00	-14.68	peak
15	2487.120	45.80	-0.81	44.99	54.00	-9.01	AVG
16	2487.800	59.13	-0.80	58.33	74.00	-15.67	peak
17	2487.800	45.81	-0.80	45.01	54.00	-8.99	AVG
18	2488.560	59.87	-0.80	59.07	74.00	-14.93	peak
19	2488.560	45.57	-0.80	44.77	54.00	-9.23	AVG
20	2489.360	59.88	-0.80	59.08	74.00	-14.92	peak
21	2489.360	45.39	-0.80	44.59	54.00	-9.41	AVG
22	2490.080	61.08	-0.80	60.28	74.00	-13.72	peak
23	2490.080	45.17	-0.80	44.37	54.00	-9.63	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		

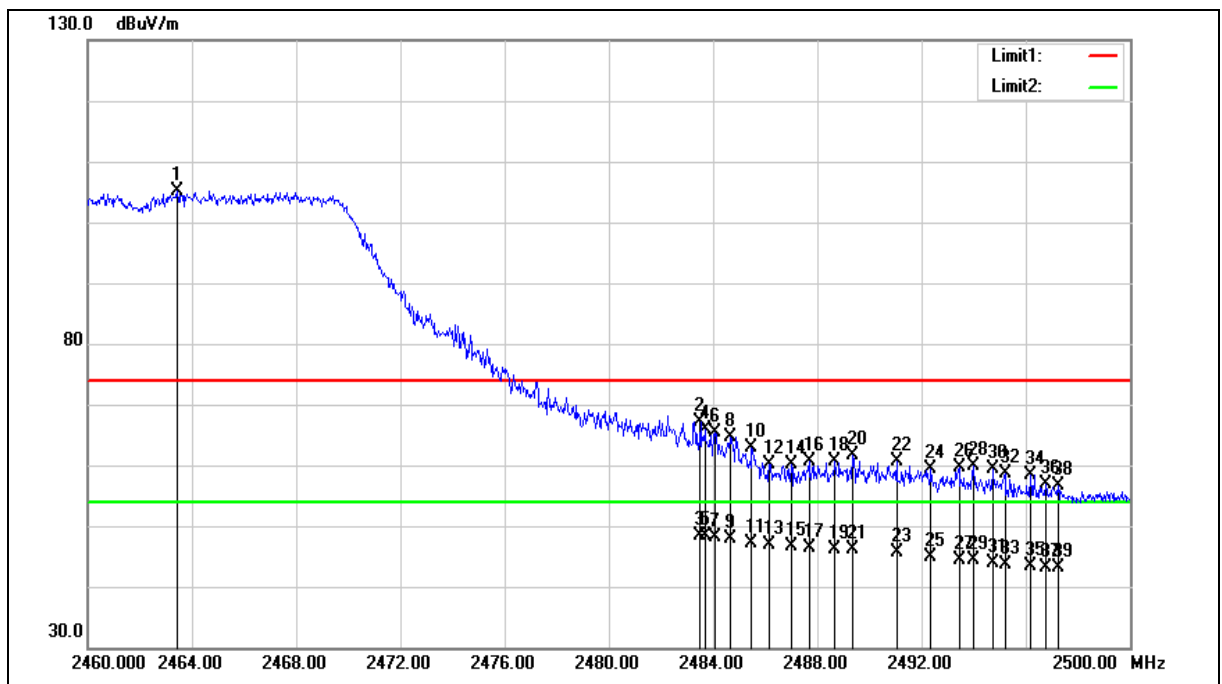
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
24	2490.760	61.56	-0.79	60.77	74.00	-13.23	peak
25	2490.760	45.09	-0.79	44.30	54.00	-9.70	AVG
26	2491.320	58.86	-0.79	58.07	74.00	-15.93	peak
27	2491.320	45.00	-0.79	44.21	54.00	-9.79	AVG
28	2491.680	59.45	-0.79	58.66	74.00	-15.34	peak
29	2491.680	44.87	-0.79	44.08	54.00	-9.92	AVG
30	2492.920	58.15	-0.79	57.36	74.00	-16.64	peak
31	2492.920	44.72	-0.79	43.93	54.00	-10.07	AVG
32	2493.520	59.63	-0.79	58.84	74.00	-15.16	peak
33	2493.520	44.57	-0.79	43.78	54.00	-10.22	AVG
34	2494.440	58.10	-0.78	57.32	74.00	-16.68	peak
35	2494.440	44.18	-0.78	43.40	54.00	-10.60	AVG
36	2495.320	57.73	-0.78	56.95	74.00	-17.05	peak
37	2495.320	43.96	-0.78	43.18	54.00	-10.82	AVG
38	2497.160	57.13	-0.77	56.36	74.00	-17.64	peak
39	2497.160	43.50	-0.77	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.:	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	2463.440	105.95	-0.90	105.05	--	--	peak
2	2483.500	67.98	-0.82	67.16	74.00	-6.84	peak
3	2483.500	49.30	-0.82	48.48	54.00	-5.52	AVG
4	2483.680	66.62	-0.82	65.80	74.00	-8.20	peak
5	2483.680	49.20	-0.82	48.38	54.00	-5.62	AVG
6	2484.080	66.25	-0.82	65.43	74.00	-8.57	peak
7	2484.080	48.97	-0.82	48.15	54.00	-5.85	AVG
8	2484.640	65.37	-0.82	64.55	74.00	-9.45	peak
9	2484.640	48.73	-0.82	47.91	54.00	-6.09	AVG
10	2485.480	63.65	-0.82	62.83	74.00	-11.17	peak
11	2485.480	48.04	-0.82	47.22	54.00	-6.78	AVG
12	2486.160	60.97	-0.82	60.15	74.00	-13.85	peak
13	2486.160	47.64	-0.82	46.82	54.00	-7.18	AVG
14	2487.000	61.02	-0.81	60.21	74.00	-13.79	peak
15	2487.000	47.33	-0.81	46.52	54.00	-7.48	AVG
16	2487.680	61.47	-0.80	60.67	74.00	-13.33	peak
17	2487.680	47.20	-0.80	46.40	54.00	-7.60	AVG
18	2488.680	61.52	-0.80	60.72	74.00	-13.28	peak
19	2488.680	46.92	-0.80	46.12	54.00	-7.88	AVG
20	2489.360	62.32	-0.80	61.52	74.00	-12.48	peak
21	2489.360	47.02	-0.80	46.22	54.00	-7.78	AVG
22	2491.040	61.46	-0.79	60.67	74.00	-13.33	peak
23	2491.040	46.30	-0.79	45.51	54.00	-8.49	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		

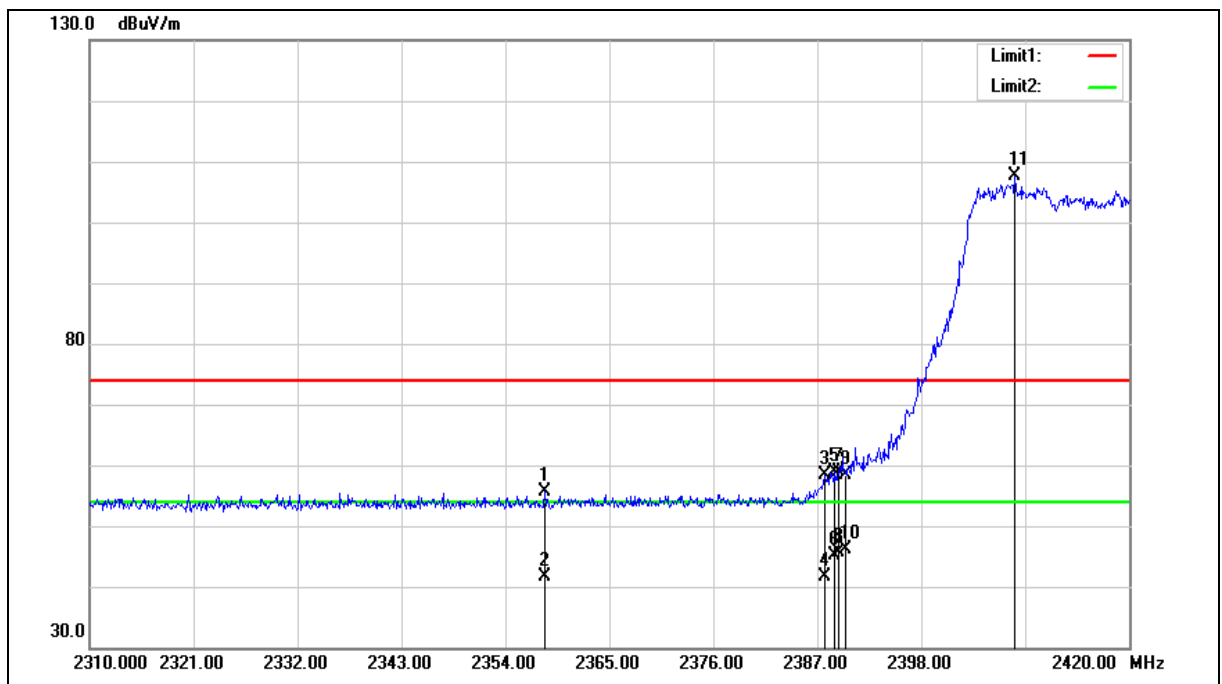
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
24	2492.360	60.21	-0.79	59.42	74.00	-14.58	peak
25	2492.360	45.71	-0.79	44.92	54.00	-9.08	AVG
26	2493.440	60.37	-0.79	59.58	74.00	-14.42	peak
27	2493.440	45.23	-0.79	44.44	54.00	-9.56	AVG
28	2494.000	60.67	-0.79	59.88	74.00	-14.12	peak
29	2494.000	45.05	-0.79	44.26	54.00	-9.74	AVG
30	2494.720	60.07	-0.78	59.29	74.00	-14.71	peak
31	2494.720	44.76	-0.78	43.98	54.00	-10.02	AVG
32	2495.200	59.48	-0.78	58.70	74.00	-15.30	peak
33	2495.200	44.34	-0.78	43.56	54.00	-10.44	AVG
34	2496.200	59.08	-0.77	58.31	74.00	-15.69	peak
35	2496.200	44.04	-0.77	43.27	54.00	-10.73	AVG
36	2496.760	57.69	-0.77	56.92	74.00	-17.08	peak
37	2496.760	43.92	-0.77	43.15	54.00	-10.85	AVG
38	2497.240	57.42	-0.77	56.65	74.00	-17.35	peak
39	2497.240	43.82	-0.77	43.05	54.00	-10.95	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		

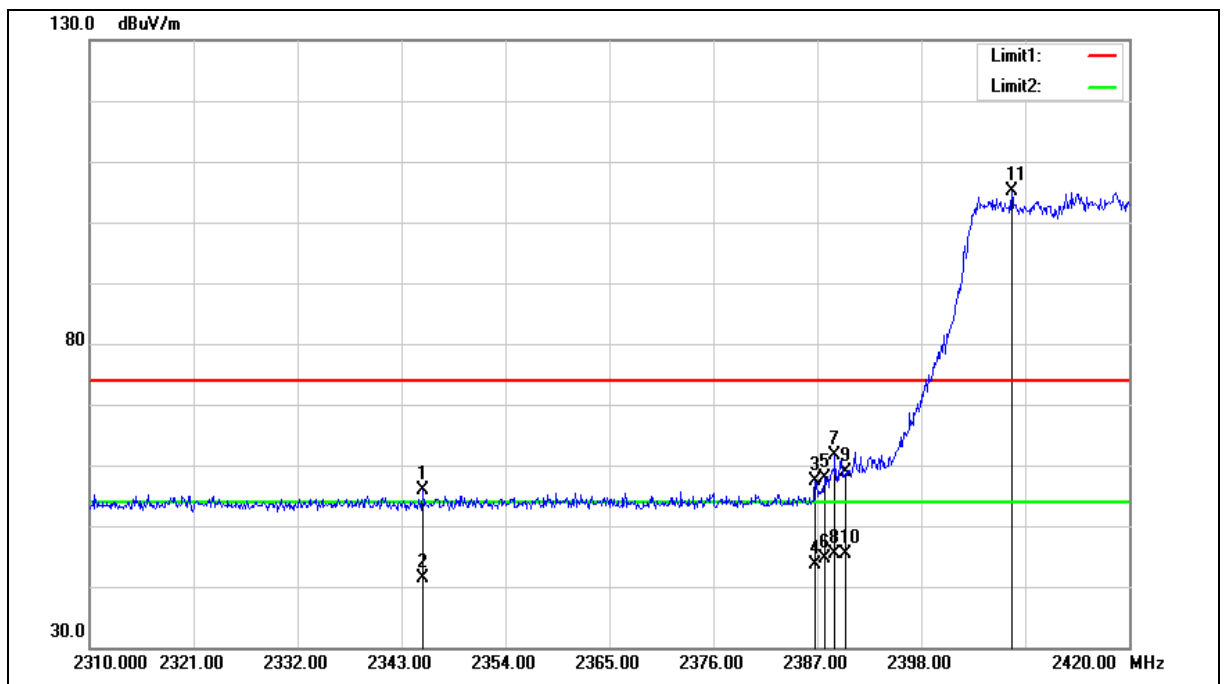
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2358.180	56.91	-1.28	55.63	74.00	-18.37	peak
2	2358.180	42.97	-1.28	41.69	54.00	-12.31	AVG
3	2387.770	59.46	-1.17	58.29	74.00	-15.71	peak
4	2387.770	42.88	-1.17	41.71	54.00	-12.29	AVG
5	2388.870	60.02	-1.17	58.85	74.00	-15.15	peak
6	2388.870	46.37	-1.17	45.20	54.00	-8.80	AVG
7	2389.310	60.02	-1.17	58.85	74.00	-15.15	peak
8	2389.310	46.71	-1.17	45.54	54.00	-8.46	AVG
9	2390.000	59.65	-1.17	58.48	74.00	-15.52	peak
10	2390.000	47.22	-1.17	46.05	54.00	-7.95	AVG
11	2407.900	108.64	-1.10	107.54	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	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		

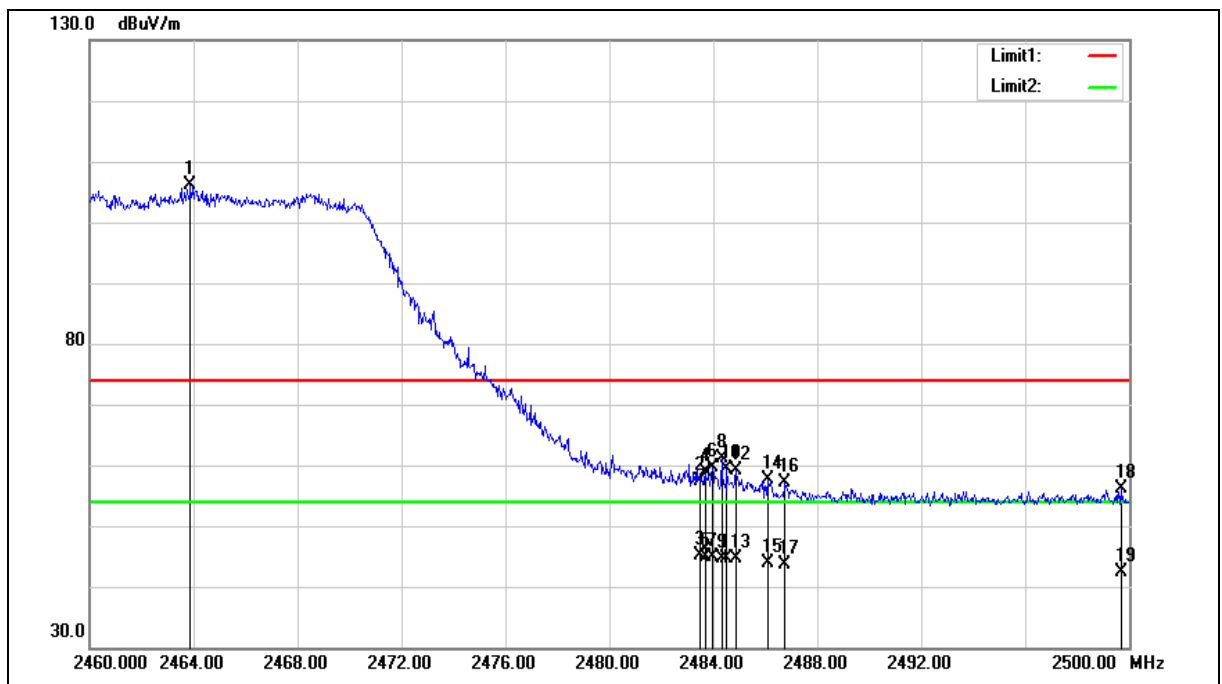
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2345.200	57.12	-1.32	55.80	74.00	-18.20	peak
2	2345.200	42.74	-1.32	41.42	54.00	-12.58	AVG
3	2386.780	58.51	-1.17	57.34	74.00	-16.66	peak
4	2386.780	44.84	-1.17	43.67	54.00	-10.33	AVG
5	2387.770	59.05	-1.17	57.88	74.00	-16.12	peak
6	2387.770	45.73	-1.17	44.56	54.00	-9.44	AVG
7	2388.870	62.86	-1.17	61.69	74.00	-12.31	peak
8	2388.870	46.53	-1.17	45.36	54.00	-8.64	AVG
9	2390.000	60.04	-1.17	58.87	74.00	-15.13	peak
10	2390.000	46.66	-1.17	45.49	54.00	-8.51	AVG
11	2407.570	106.16	-1.10	105.06	--	--	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:	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		

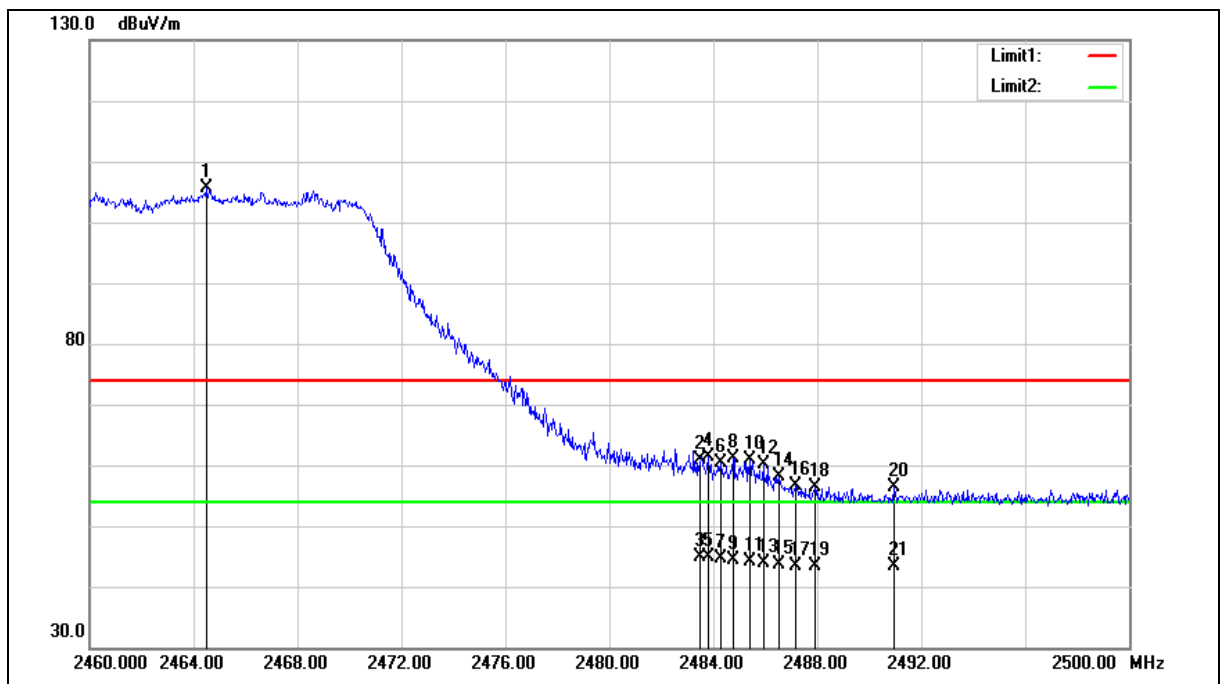
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.880	107.02	-0.89	106.13	--	--	peak
2	2483.500	58.08	-0.82	57.26	74.00	-16.74	peak
3	2483.500	45.88	-0.82	45.06	54.00	-8.94	AVG
4	2483.680	59.81	-0.82	58.99	74.00	-15.01	peak
5	2483.680	45.76	-0.82	44.94	54.00	-9.06	AVG
6	2483.960	60.48	-0.82	59.66	74.00	-14.34	peak
7	2483.960	45.72	-0.82	44.90	54.00	-9.10	AVG
8	2484.320	61.94	-0.82	61.12	74.00	-12.88	peak
9	2484.320	45.57	-0.82	44.75	54.00	-9.25	AVG
10	2484.520	60.15	-0.82	59.33	74.00	-14.67	peak
11	2484.520	45.54	-0.82	44.72	54.00	-9.28	AVG
12	2484.880	59.91	-0.82	59.09	74.00	-14.91	peak
13	2484.880	45.51	-0.82	44.69	54.00	-9.31	AVG
14	2486.080	58.45	-0.82	57.63	74.00	-16.37	peak
15	2486.080	44.73	-0.82	43.91	54.00	-10.09	AVG
16	2486.760	57.94	-0.81	57.13	74.00	-16.87	peak
17	2486.760	44.34	-0.81	43.53	54.00	-10.47	AVG
18	2499.680	56.83	-0.76	56.07	74.00	-17.93	peak
19	2499.680	43.07	-0.76	42.31	54.00	-11.69	AVG

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

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

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

Standard:	LP0002	Test Distance:	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		

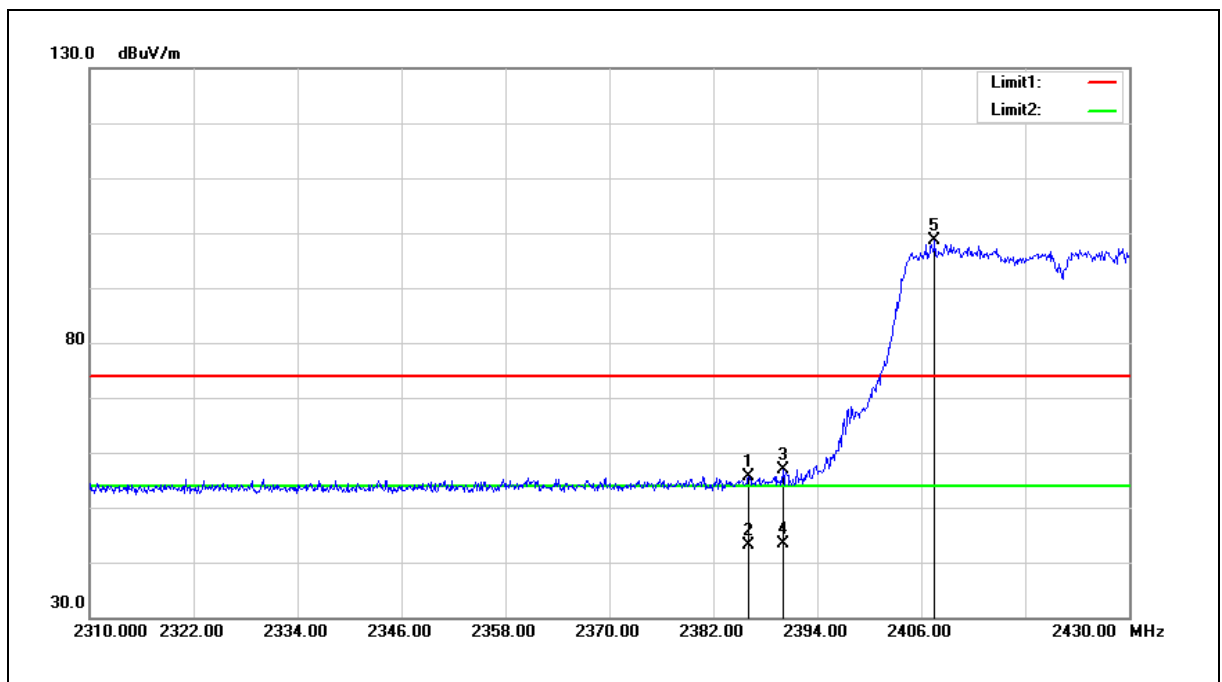
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2464.480	106.44	-0.89	105.55	--	--	peak
2	2483.500	61.58	-0.82	60.76	74.00	-13.24	peak
3	2483.500	45.79	-0.82	44.97	54.00	-9.03	AVG
4	2483.800	62.11	-0.82	61.29	74.00	-12.71	peak
5	2483.800	45.67	-0.82	44.85	54.00	-9.15	AVG
6	2484.280	61.28	-0.82	60.46	74.00	-13.54	peak
7	2484.280	45.50	-0.82	44.68	54.00	-9.32	AVG
8	2484.760	62.06	-0.82	61.24	74.00	-12.76	peak
9	2484.760	45.25	-0.82	44.43	54.00	-9.57	AVG
10	2485.400	61.75	-0.82	60.93	74.00	-13.07	peak
11	2485.400	45.00	-0.82	44.18	54.00	-9.82	AVG
12	2485.920	61.04	-0.82	60.22	74.00	-13.78	peak
13	2485.920	44.78	-0.82	43.96	54.00	-10.04	AVG
14	2486.520	59.05	-0.82	58.23	74.00	-15.77	peak
15	2486.520	44.43	-0.82	43.61	54.00	-10.39	AVG
16	2487.160	57.42	-0.81	56.61	74.00	-17.39	peak
17	2487.160	44.30	-0.81	43.49	54.00	-10.51	AVG
18	2487.920	57.14	-0.80	56.34	74.00	-17.66	peak
19	2487.920	44.21	-0.80	43.41	54.00	-10.59	AVG
20	2490.960	57.11	-0.79	56.32	74.00	-17.68	peak
21	2490.960	44.16	-0.79	43.37	54.00	-10.63	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		



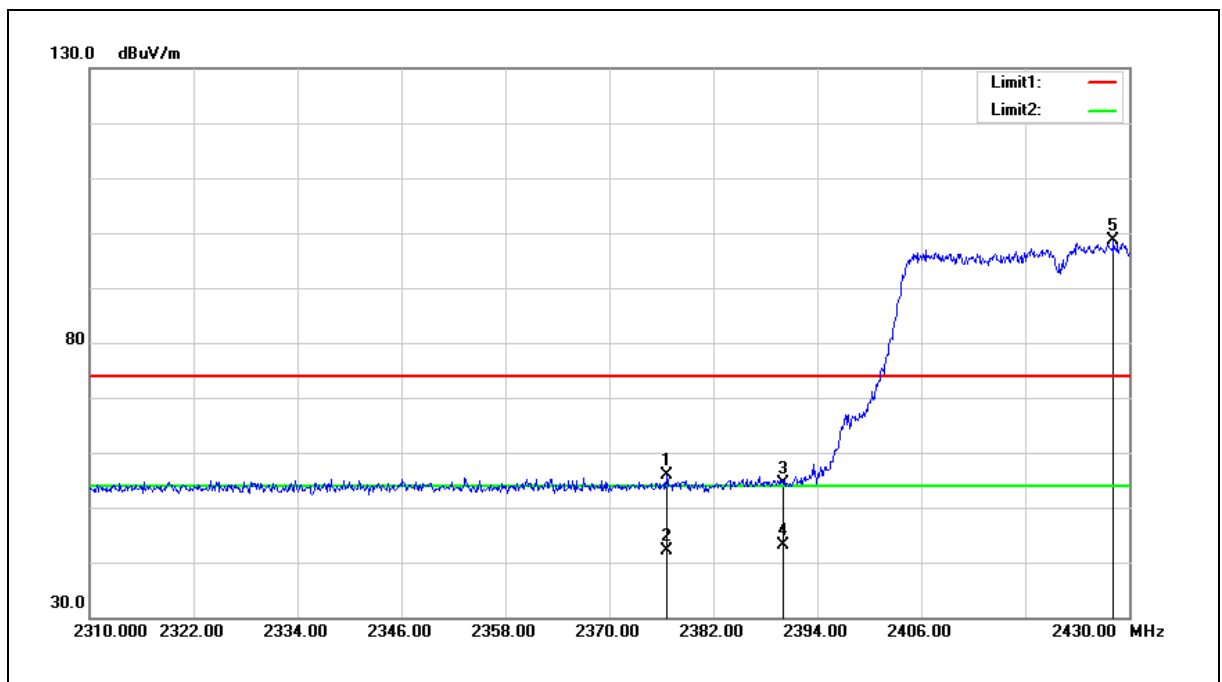
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.080	56.85	-1.18	55.67	74.00	-18.33	peak
2	2386.080	44.21	-1.18	43.03	54.00	-10.97	AVG
3	2390.000	57.93	-1.17	56.76	74.00	-17.24	peak
4	2390.000	44.46	-1.17	43.29	54.00	-10.71	AVG
5	2407.560	99.66	-1.10	98.56	--	--	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:	2422 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



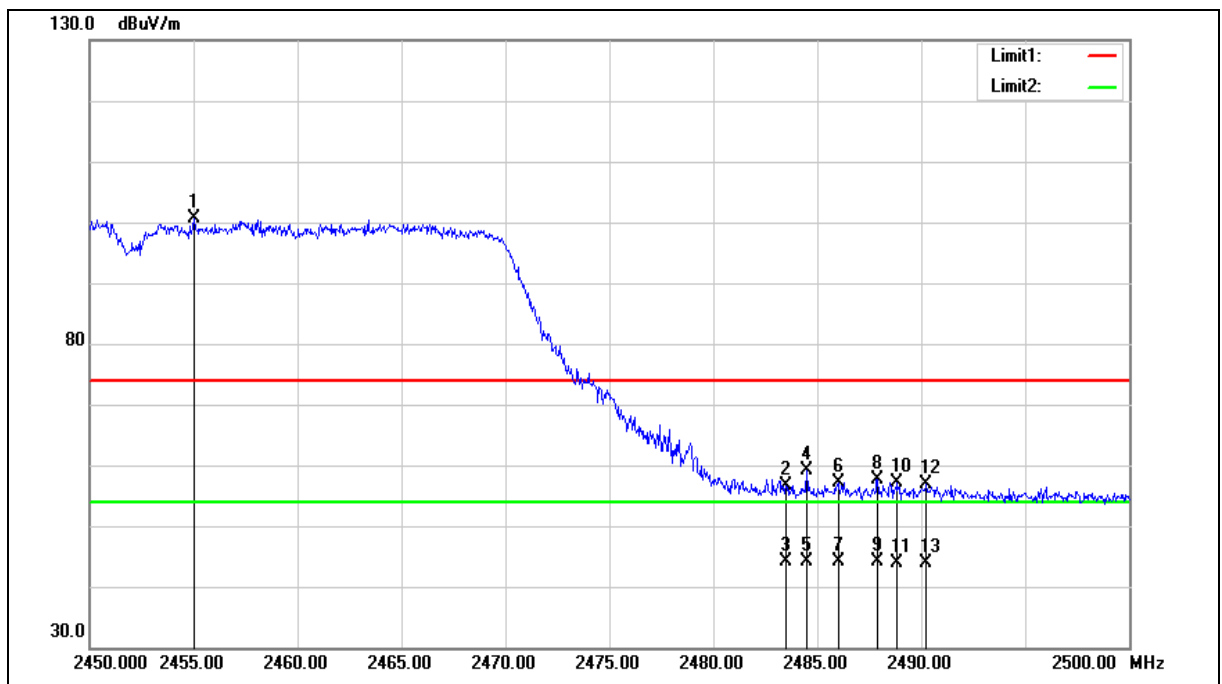
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2376.600	57.17	-1.22	55.95	74.00	-18.05	peak
2	2376.600	43.44	-1.22	42.22	54.00	-11.78	AVG
3	2390.000	55.43	-1.17	54.26	74.00	-19.74	peak
4	2390.000	44.19	-1.17	43.02	54.00	-10.98	AVG
5	2428.200	99.64	-1.02	98.62	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2452 MHz	Temp.(°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		

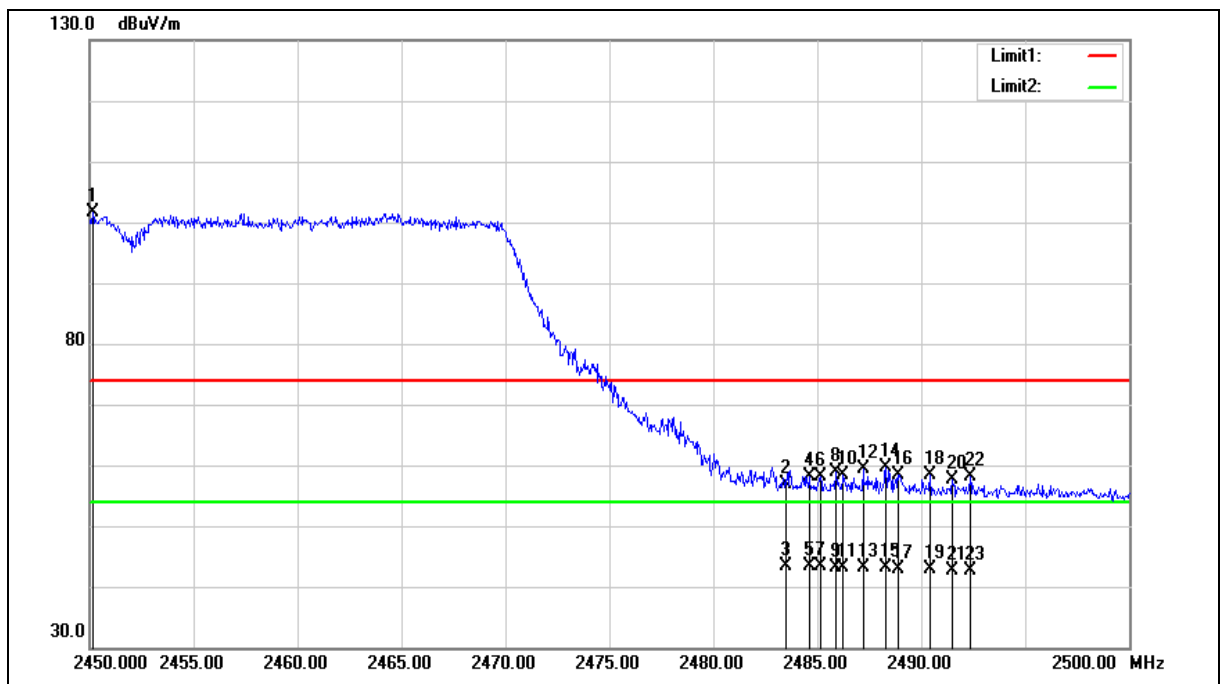
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2455.050	101.56	-0.92	100.64	--	--	peak
2	2483.500	57.43	-0.82	56.61	74.00	-17.39	peak
3	2483.500	45.00	-0.82	44.18	54.00	-9.82	AVG
4	2484.500	59.87	-0.82	59.05	74.00	-14.95	peak
5	2484.500	44.99	-0.82	44.17	54.00	-9.83	AVG
6	2486.000	57.84	-0.82	57.02	74.00	-16.98	peak
7	2486.000	44.97	-0.82	44.15	54.00	-9.85	AVG
8	2487.900	58.51	-0.80	57.71	74.00	-16.29	peak
9	2487.900	44.93	-0.80	44.13	54.00	-9.87	AVG
10	2488.850	57.85	-0.80	57.05	74.00	-16.95	peak
11	2488.850	44.74	-0.80	43.94	54.00	-10.06	AVG
12	2490.250	57.67	-0.80	56.87	74.00	-17.13	peak
13	2490.250	44.58	-0.80	43.78	54.00	-10.22	AVG

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

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

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

Standard:	LP0002	Test Distance:	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	2450.150	102.48	-0.94	101.54	--	--	peak
2	2483.500	57.81	-0.82	56.99	74.00	-17.01	peak
3	2483.500	44.27	-0.82	43.45	54.00	-10.55	AVG
4	2484.600	59.02	-0.82	58.20	74.00	-15.80	peak
5	2484.600	44.23	-0.82	43.41	54.00	-10.59	AVG
6	2485.150	58.99	-0.82	58.17	74.00	-15.83	peak
7	2485.150	44.12	-0.82	43.30	54.00	-10.70	AVG
8	2485.900	59.65	-0.82	58.83	74.00	-15.17	peak
9	2485.900	43.99	-0.82	43.17	54.00	-10.83	AVG
10	2486.250	59.30	-0.82	58.48	74.00	-15.52	peak
11	2486.250	44.06	-0.82	43.24	54.00	-10.76	AVG
12	2487.200	60.14	-0.81	59.33	74.00	-14.67	peak
13	2487.200	44.00	-0.81	43.19	54.00	-10.81	AVG
14	2488.300	60.47	-0.80	59.67	74.00	-14.33	peak
15	2488.300	43.81	-0.80	43.01	54.00	-10.99	AVG
16	2488.900	59.17	-0.80	58.37	74.00	-15.63	peak
17	2488.900	43.77	-0.80	42.97	54.00	-11.03	AVG
18	2490.400	59.08	-0.79	58.29	74.00	-15.71	peak
19	2490.400	43.57	-0.79	42.78	54.00	-11.22	AVG
20	2491.500	58.50	-0.79	57.71	74.00	-16.29	peak
21	2491.500	43.51	-0.79	42.72	54.00	-11.28	AVG
22	2492.350	58.99	-0.79	58.20	74.00	-15.80	peak
23	2492.350	43.47	-0.79	42.68	54.00	-11.32	AVG

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

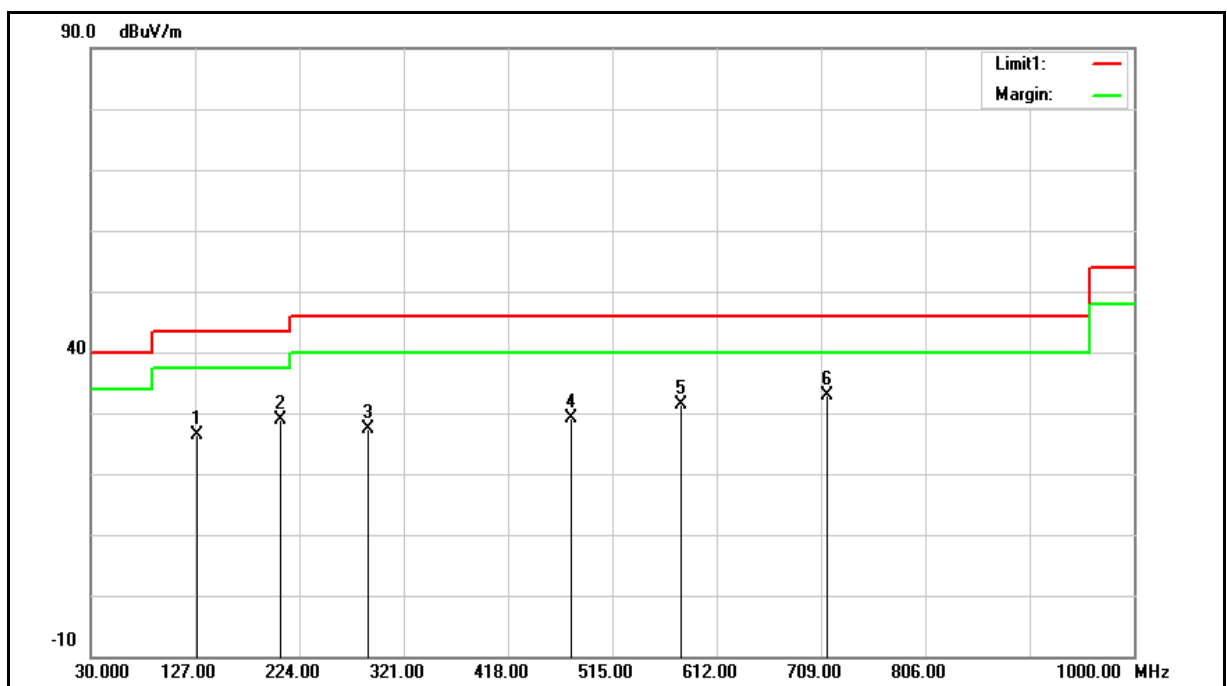
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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

Model Number : WRT-W19

其它不必要之訊號 (1 GHz 以下)

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2402 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Test 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	128.9400	33.90	-7.40	26.50	43.50	-17.00	QP
2	206.5400	36.61	-7.66	28.95	43.50	-14.55	QP
3	288.0200	31.41	-4.15	27.26	46.00	-18.74	QP
4	477.1700	29.27	-0.06	29.21	46.00	-16.79	QP
5	579.0200	29.38	1.92	31.30	46.00	-14.70	QP
6	714.8200	28.23	4.58	32.81	46.00	-13.19	QP

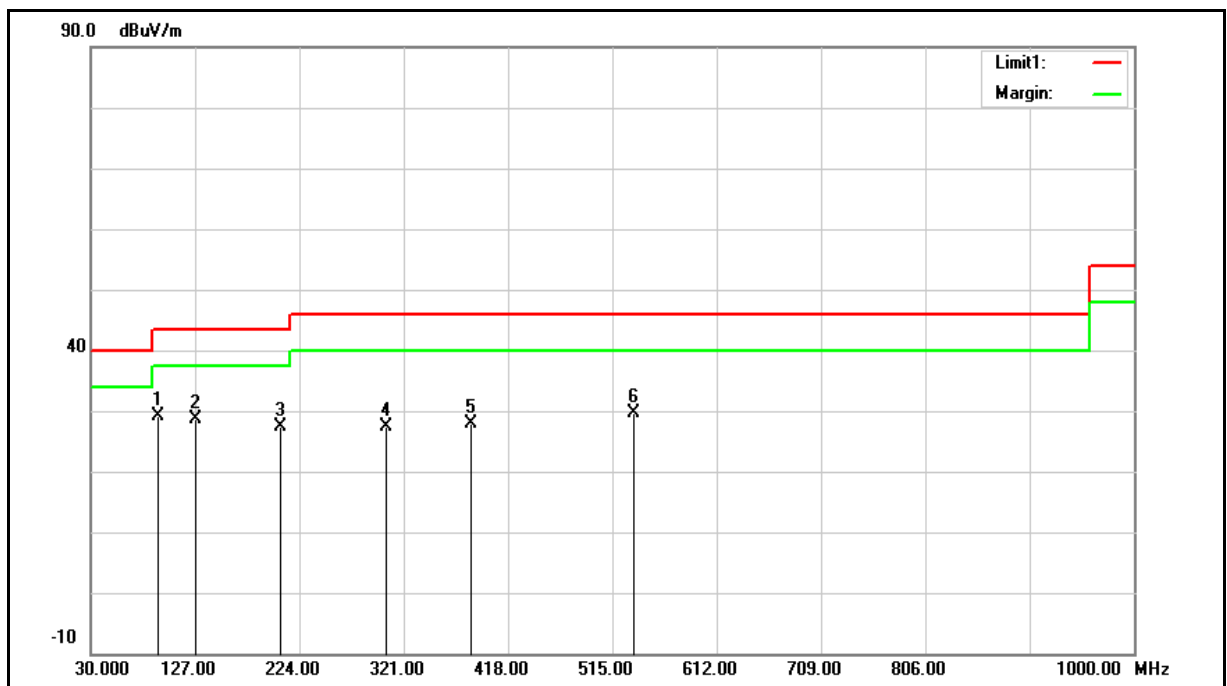
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 26.50= -7.40+33.90

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.

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2402 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Test 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	93.0500	40.89	-11.84	29.05	43.50	-14.45	QP
2	127.9700	36.19	-7.48	28.71	43.50	-14.79	QP
3	206.5400	35.01	-7.66	27.35	43.50	-16.15	QP
4	304.5100	31.16	-3.66	27.50	46.00	-18.50	QP
5	384.0500	30.06	-2.15	27.91	46.00	-18.09	QP
6	534.4000	28.80	0.81	29.61	46.00	-16.39	QP

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

Example: 29.05 = -11.84 + 40.89

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

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

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

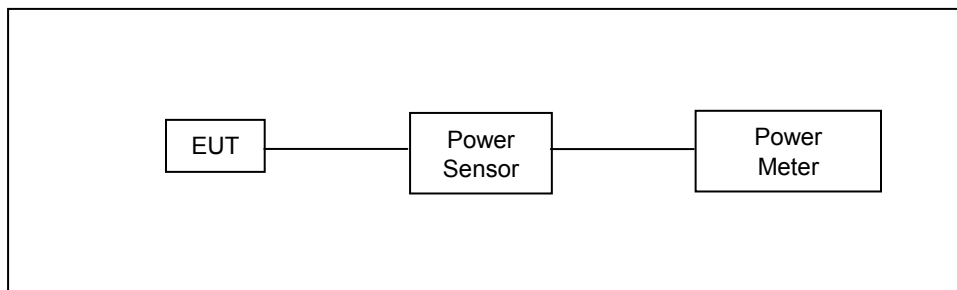
IEEE 802.11b / IEEE 802.11g

* Directional Gain = Antenna Gain = -1 dBi < 6 dBi

IEEE 802.11n 2.4 GHz 20 MHz / IEEE 802.11n 2.4 GHz 40 MHz

* Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\}$ = 2.01 dBi < 6 dBi

測試架構圖：



測試結果:

操作模式：Mode 2 / Mode 3 / Mode 4 / Mode 5									
操作模式	Data Rate (Mbps)	頻道 CH	最大傳導輸出功率(Average)						
			ANT-0		ANT-1		ANT-0+1		Limit (dBm)
			dBm	W	dBm	W	dBm	W	
Mode 2	1	01	18.85	0.077	18.83	0.076	---	---	30.00
		06	18.91	0.078	18.87	0.077	---	---	30.00
		11	18.89	0.077	18.85	0.077	---	---	30.00
Mode 3	6	01	17.85	0.061	17.70	0.059	---	---	30.00
		06	17.83	0.061	17.78	0.060	---	---	30.00
		11	17.81	0.060	17.80	0.060	---	---	30.00
Mode 4	13	01	15.91	0.039	15.75	0.038	18.84	0.077	30.00
		06	15.98	0.040	15.81	0.038	18.91	0.078	30.00
		11	15.99	0.040	15.97	0.040	18.99	0.079	30.00
Mode 5	27	03	15.22	0.033	14.82	0.030	18.03	0.064	30.00
		06	15.06	0.032	14.85	0.031	17.97	0.063	30.00
		09	15.05	0.032	14.83	0.030	17.95	0.062	30.00

4.2.3 天線規格之要求

合格標準:

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

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

判定結果:

符合。

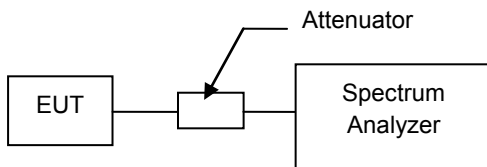
Antenna	製造商	型號	型態	增益值(dBi)
ANT-0	shenzhen south star technology co.ltd	HQ20603944000	PIFA Antenna	-1
ANT-1	shenzhen south star technology co.ltd	HQ20603943000	PIFA Antenna	-1

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	

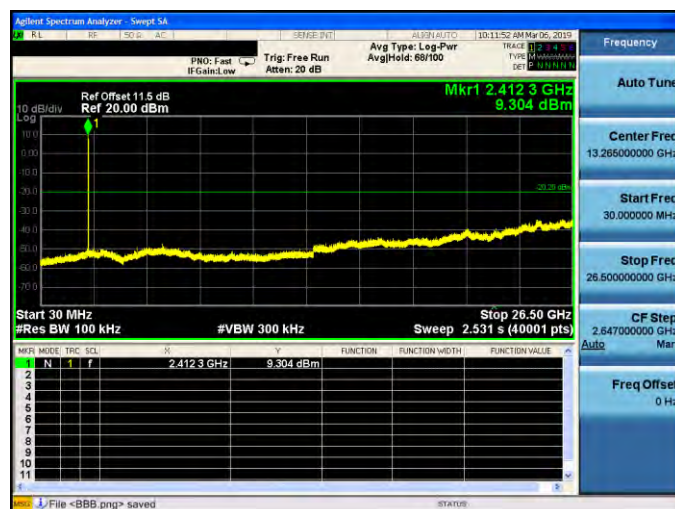
附註 1: 於使用頻帶範圍之任意 100 千赫 (kHz)內，發射器所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 千赫 (kHz)內的射頻功率，衰減 30 分貝(dB)以上，符合規定。

附註 2: 測試結果頻帶外之輻射雜訊皆小於主頻 TX 20 dB。

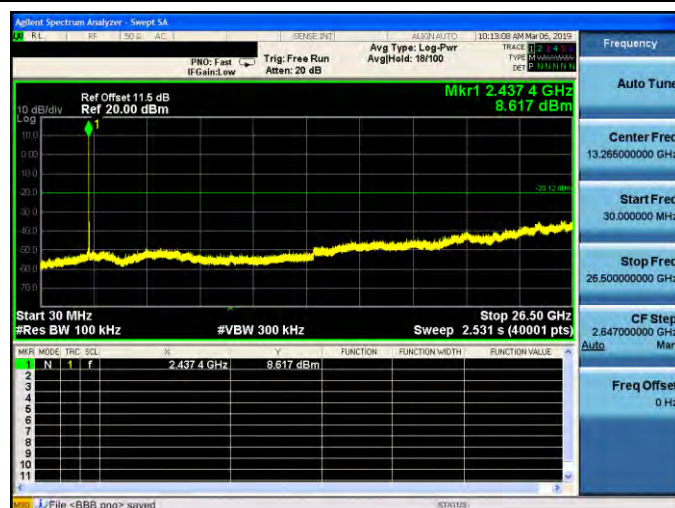
Out of Band Conducted Spurious Emission

Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0

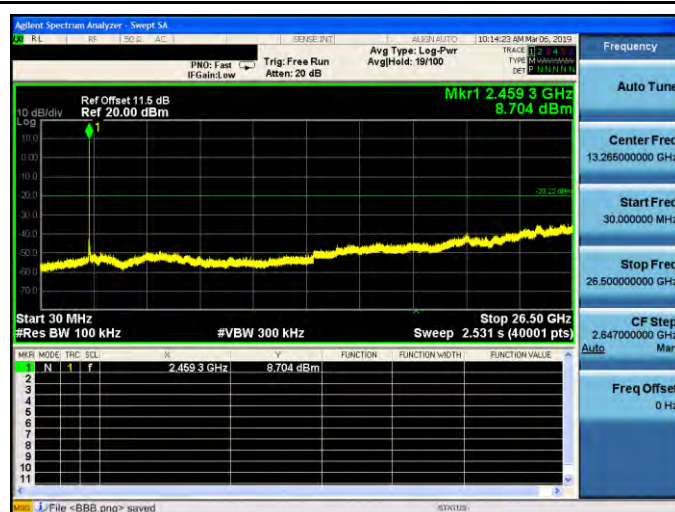
CH01

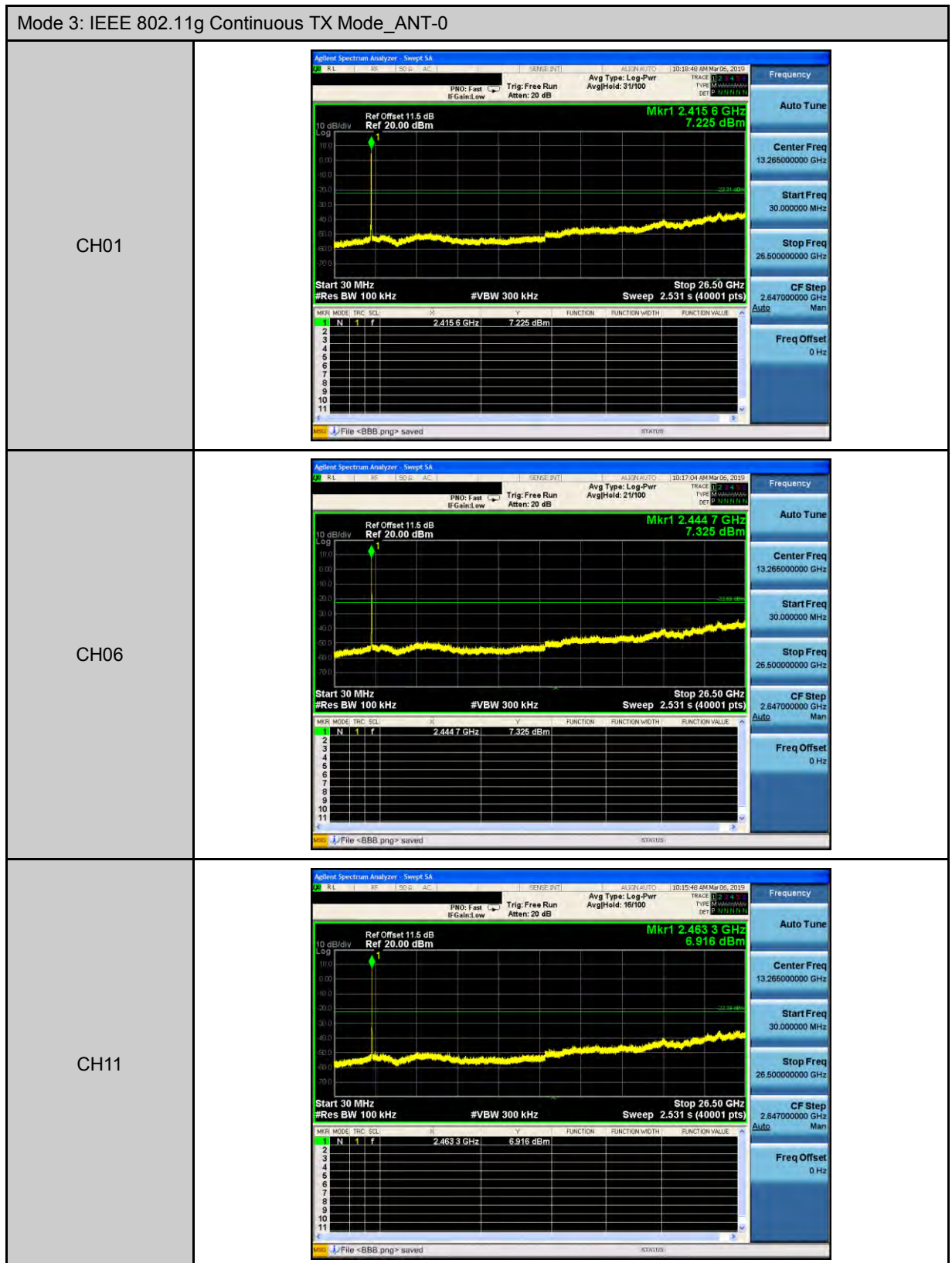


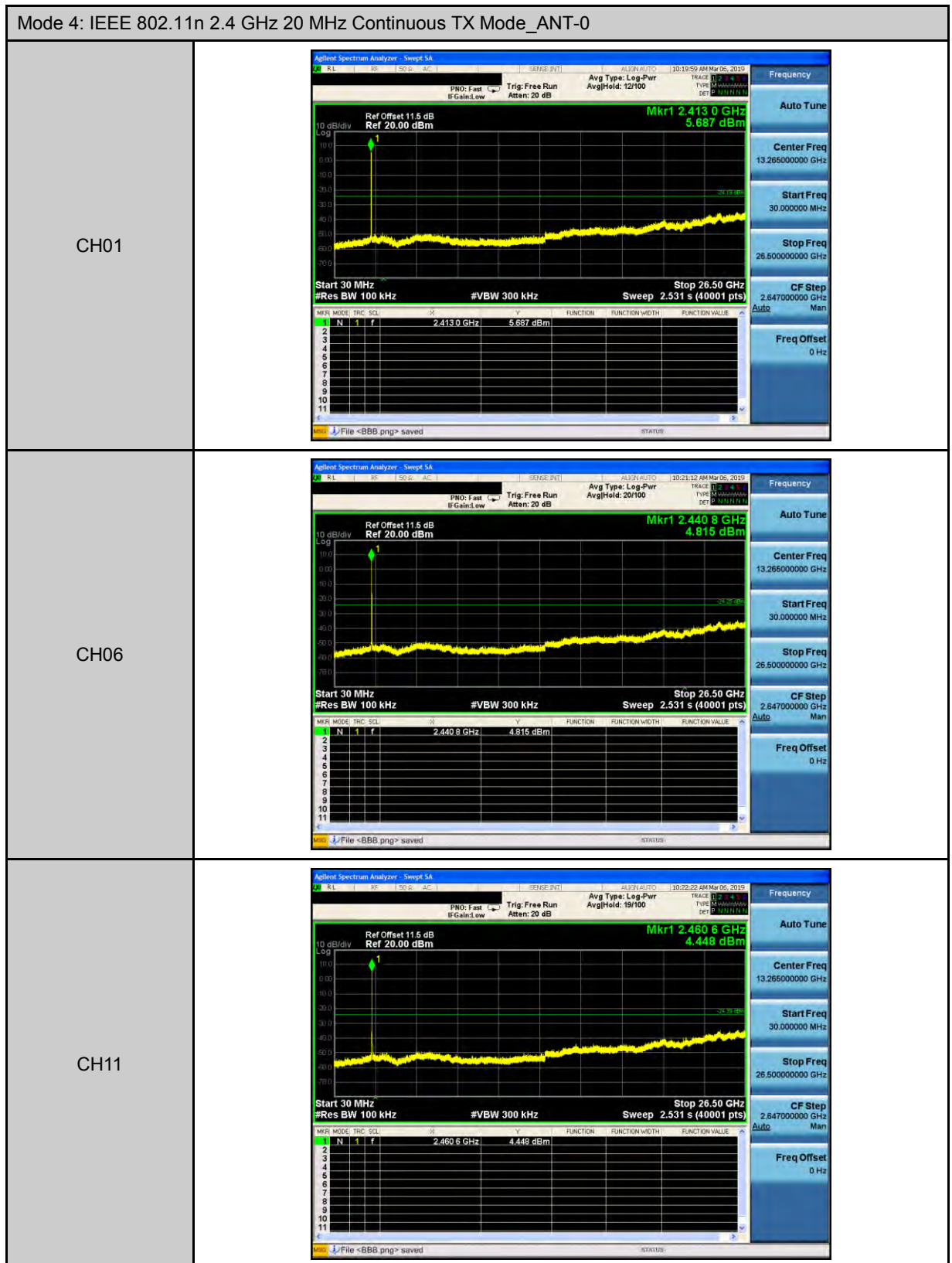
CH06

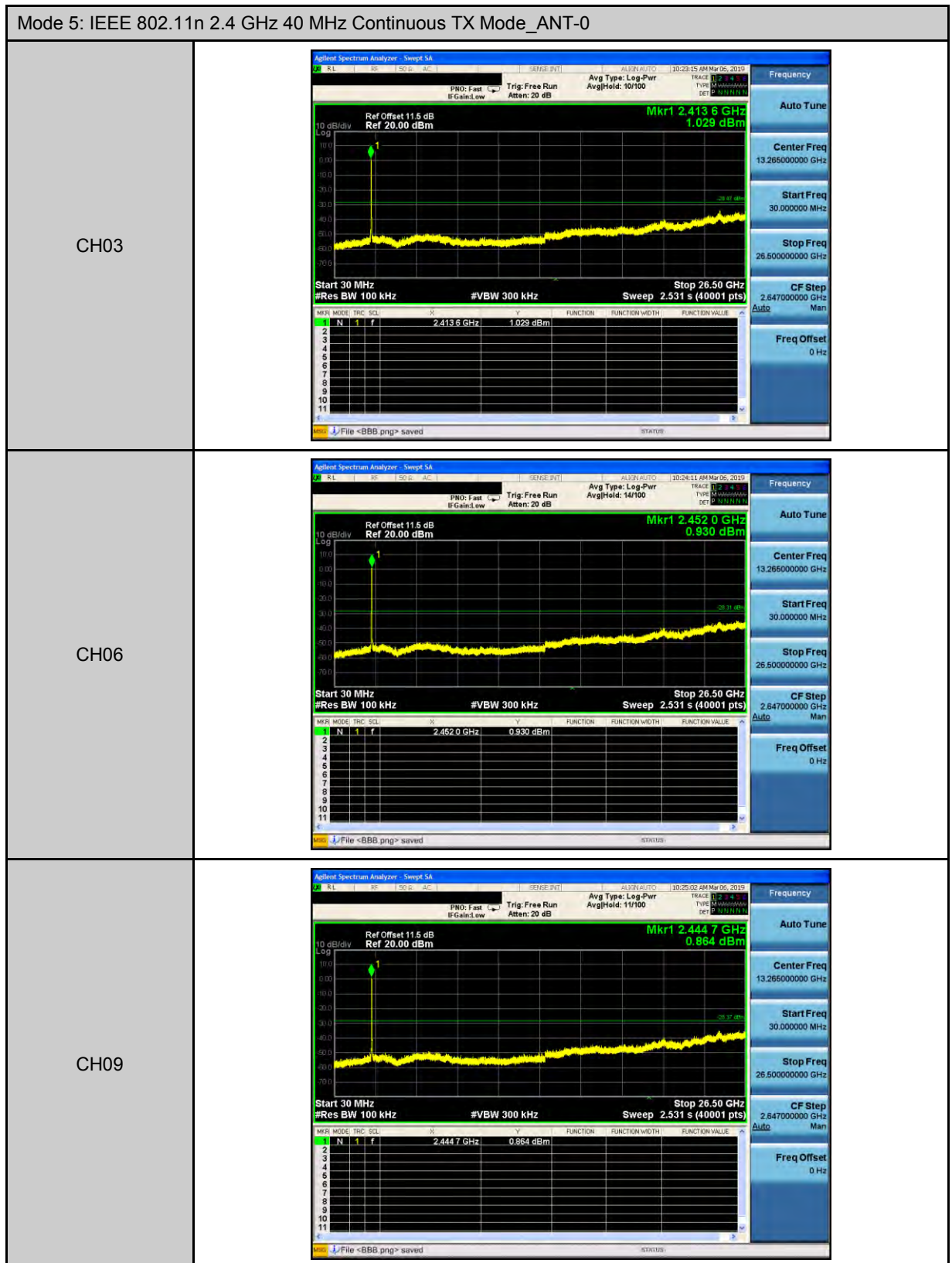


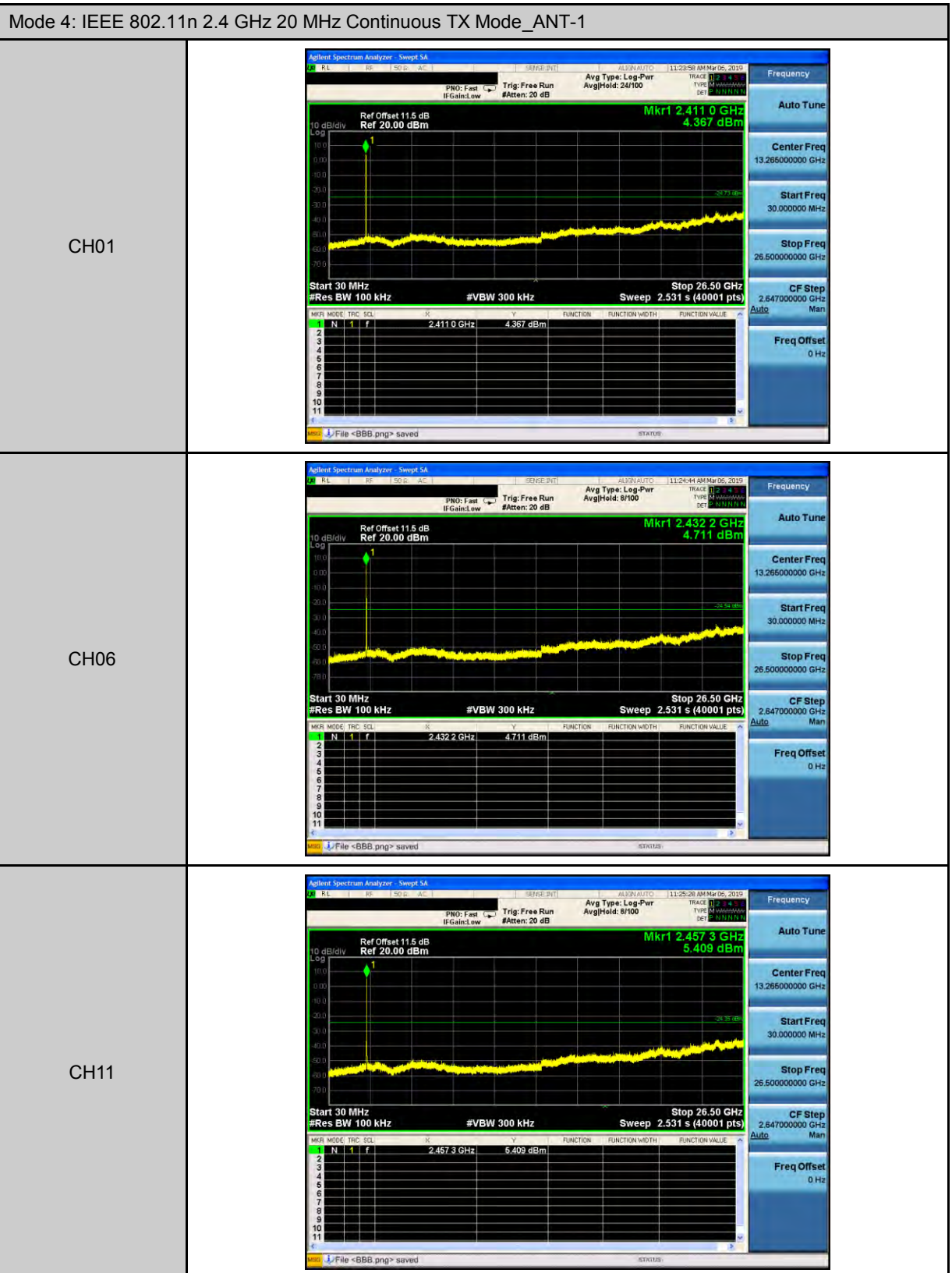
CH11

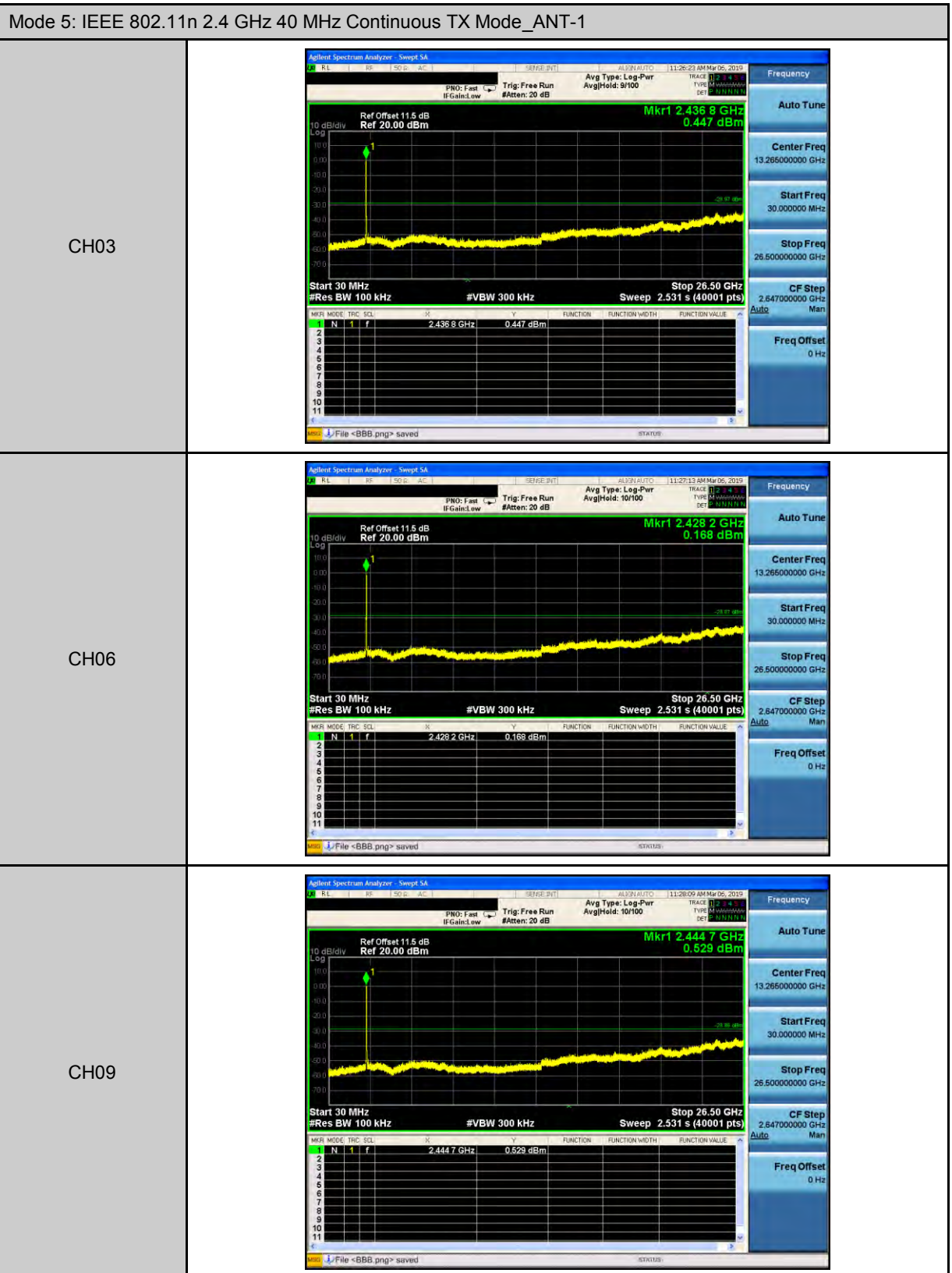




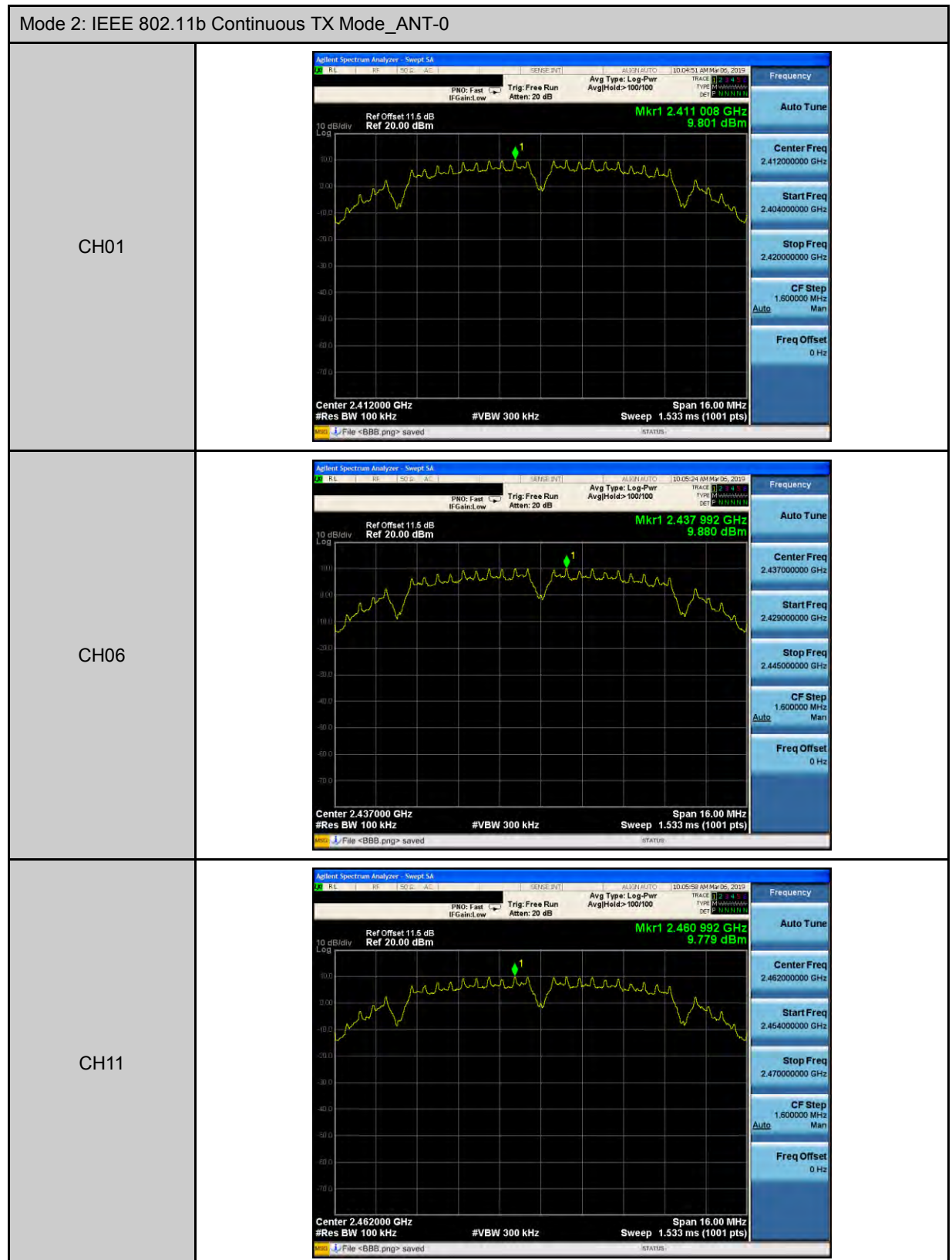


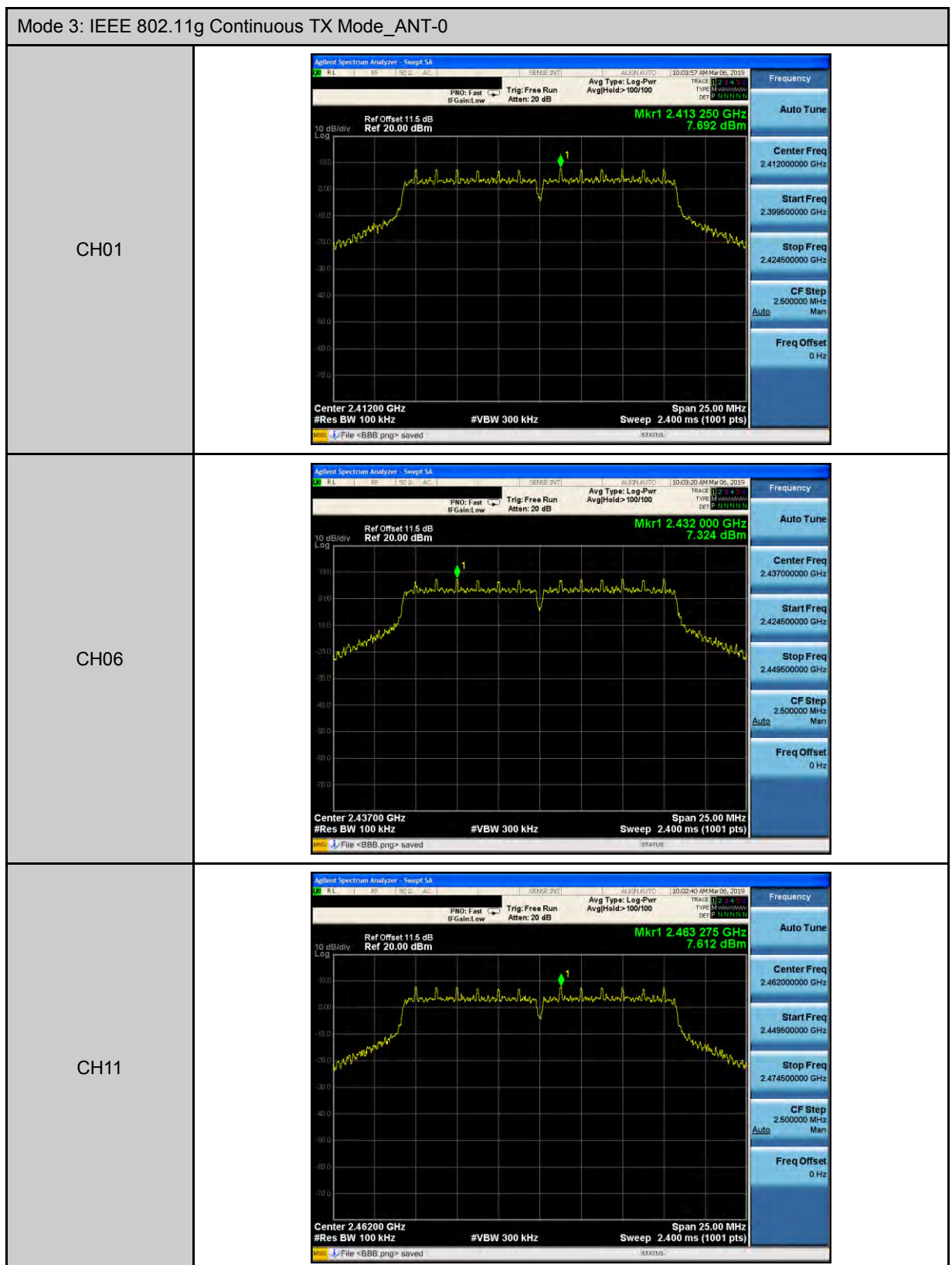


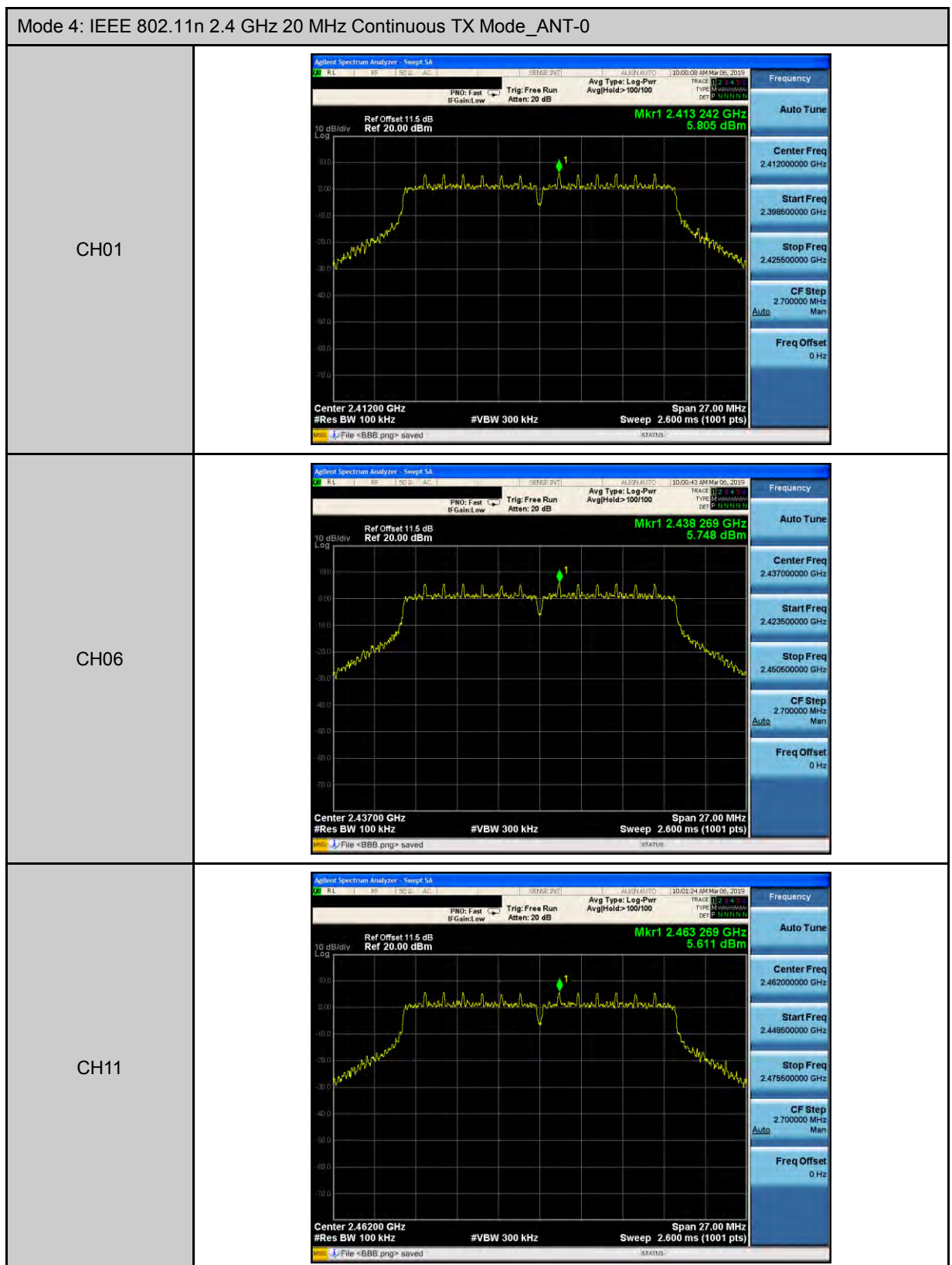


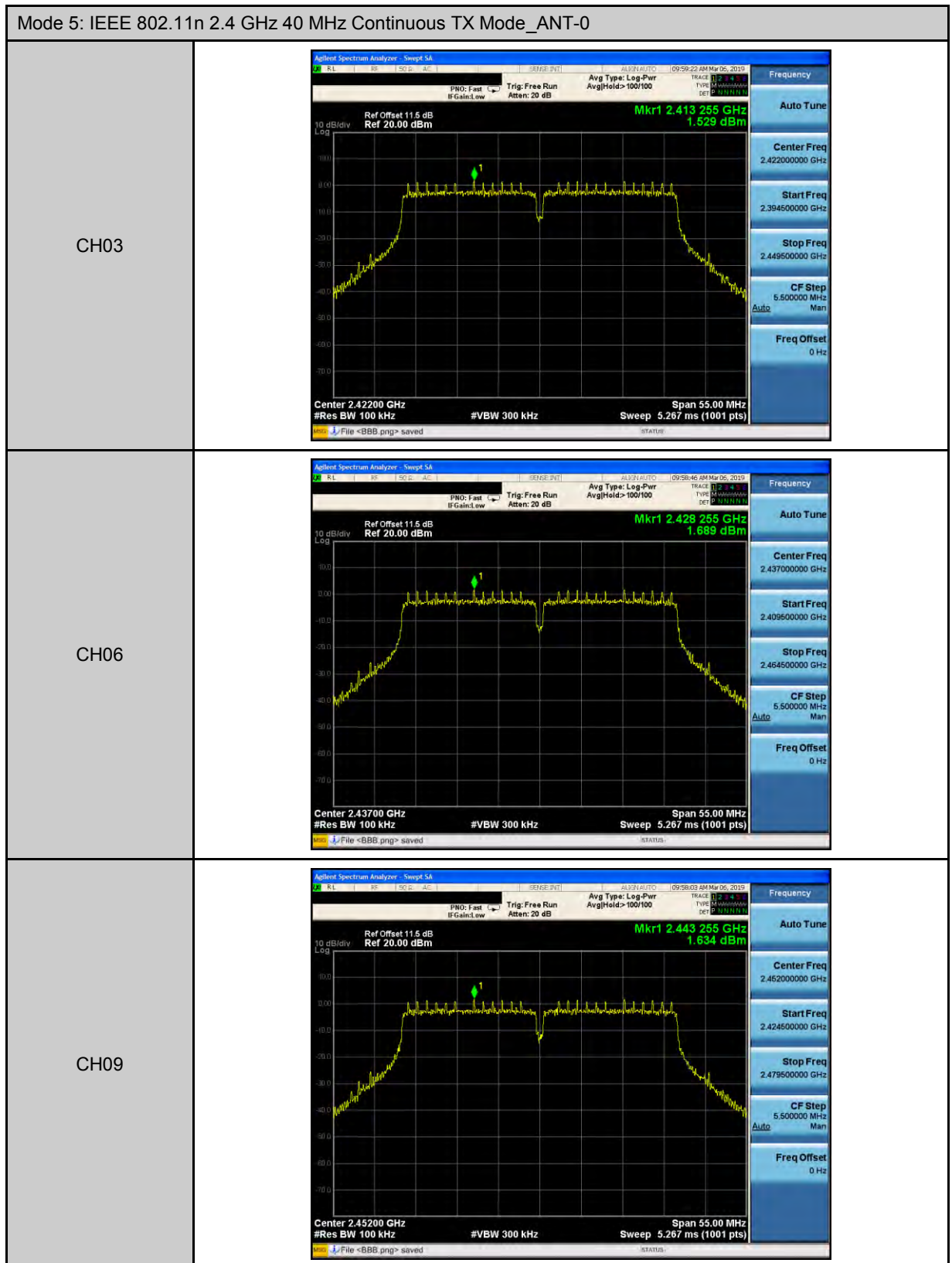


Reference level









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

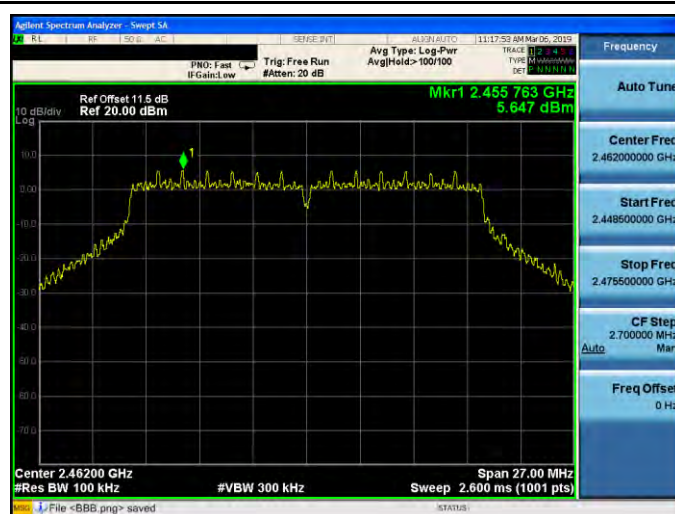
CH01



CH06



CH11



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

CH03



CH06



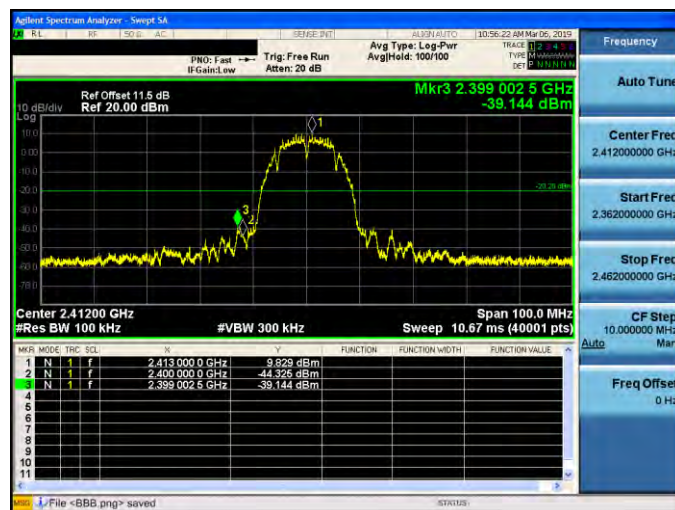
CH09



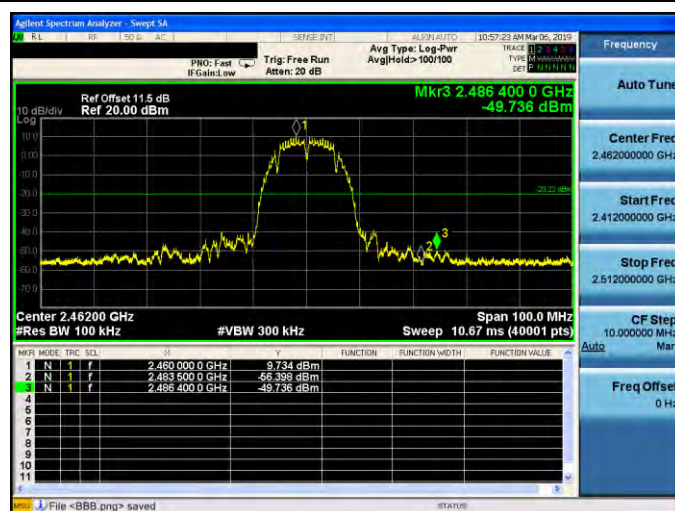
Conducted Band Edge

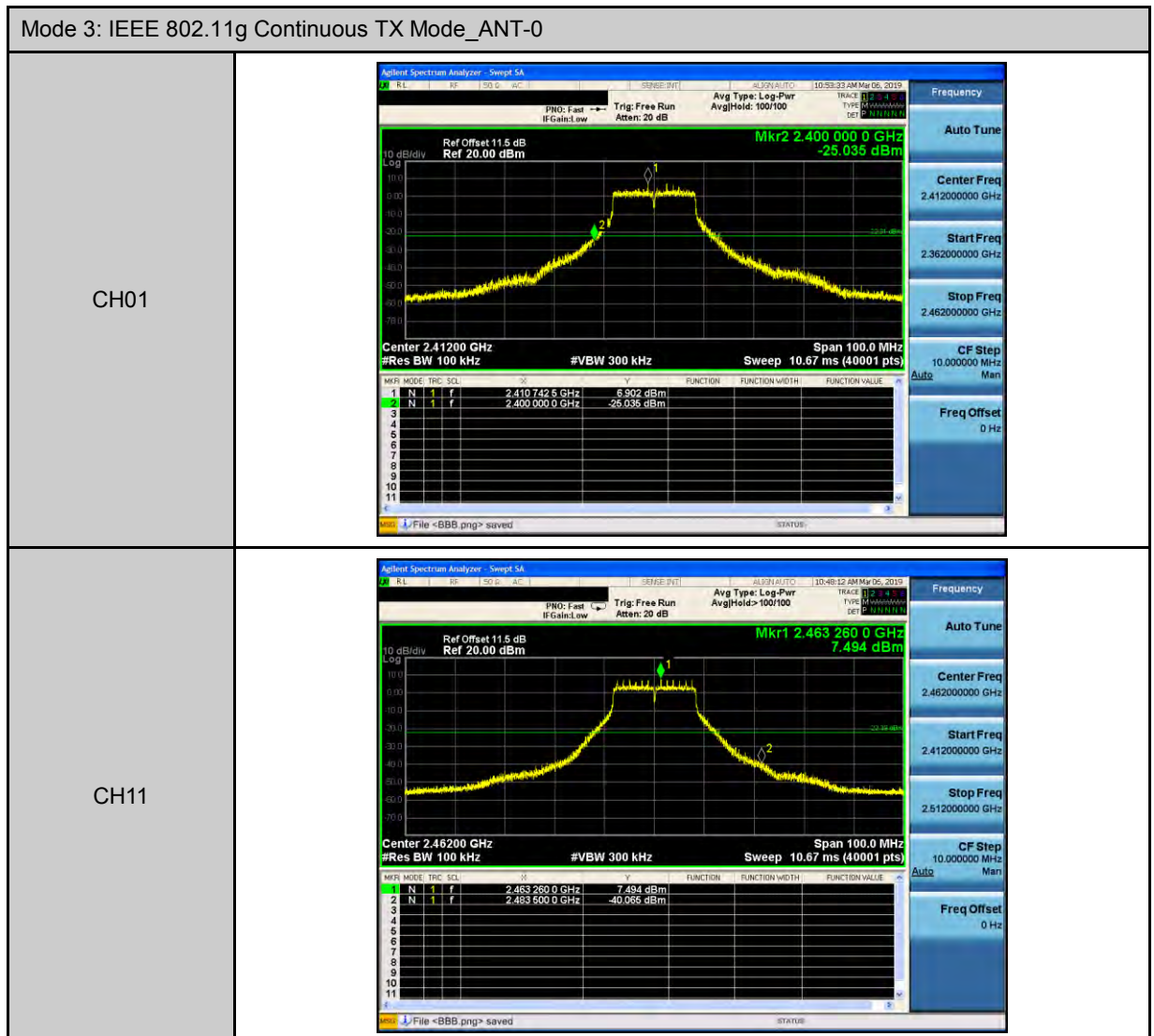
Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0

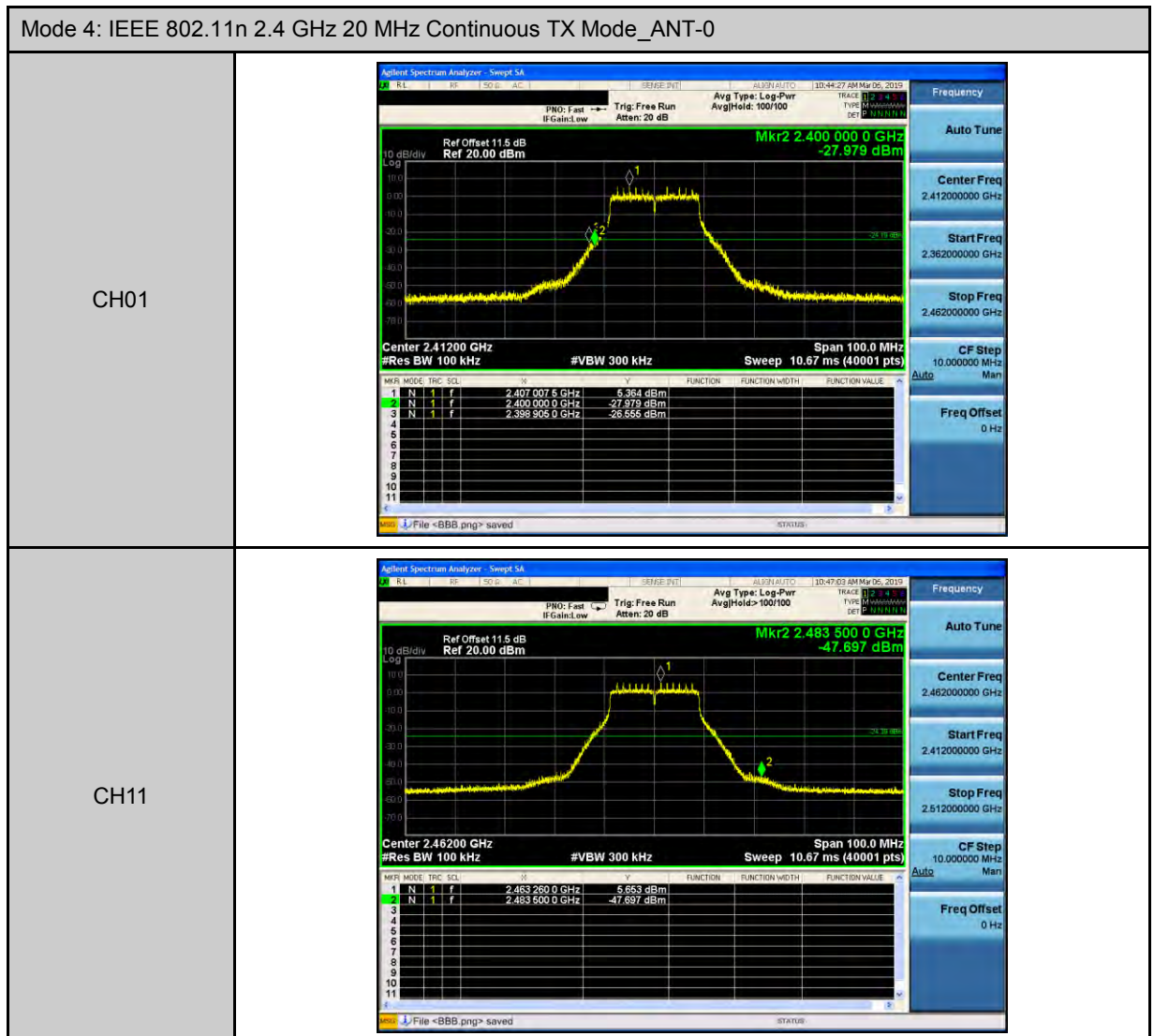
CH01

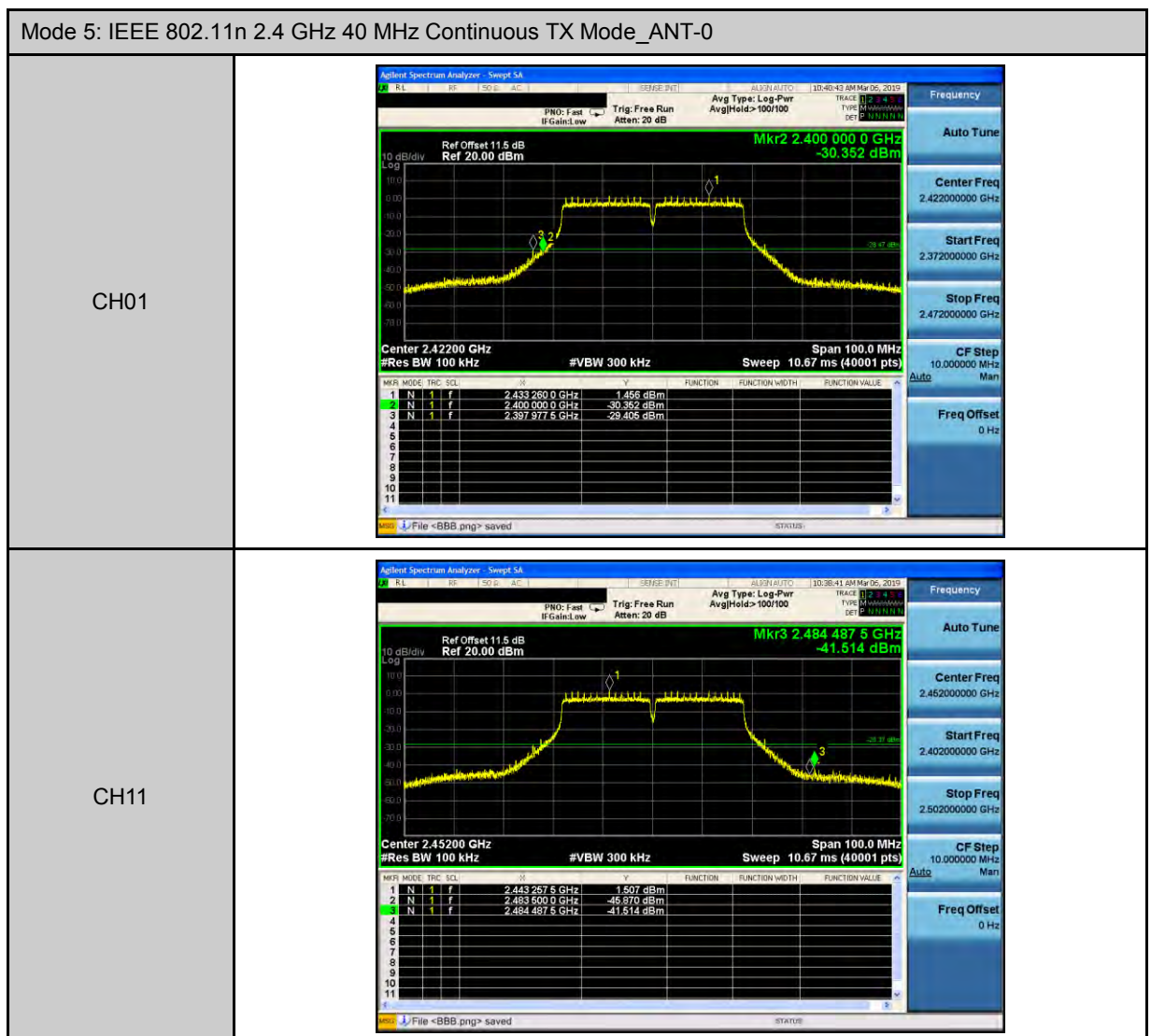


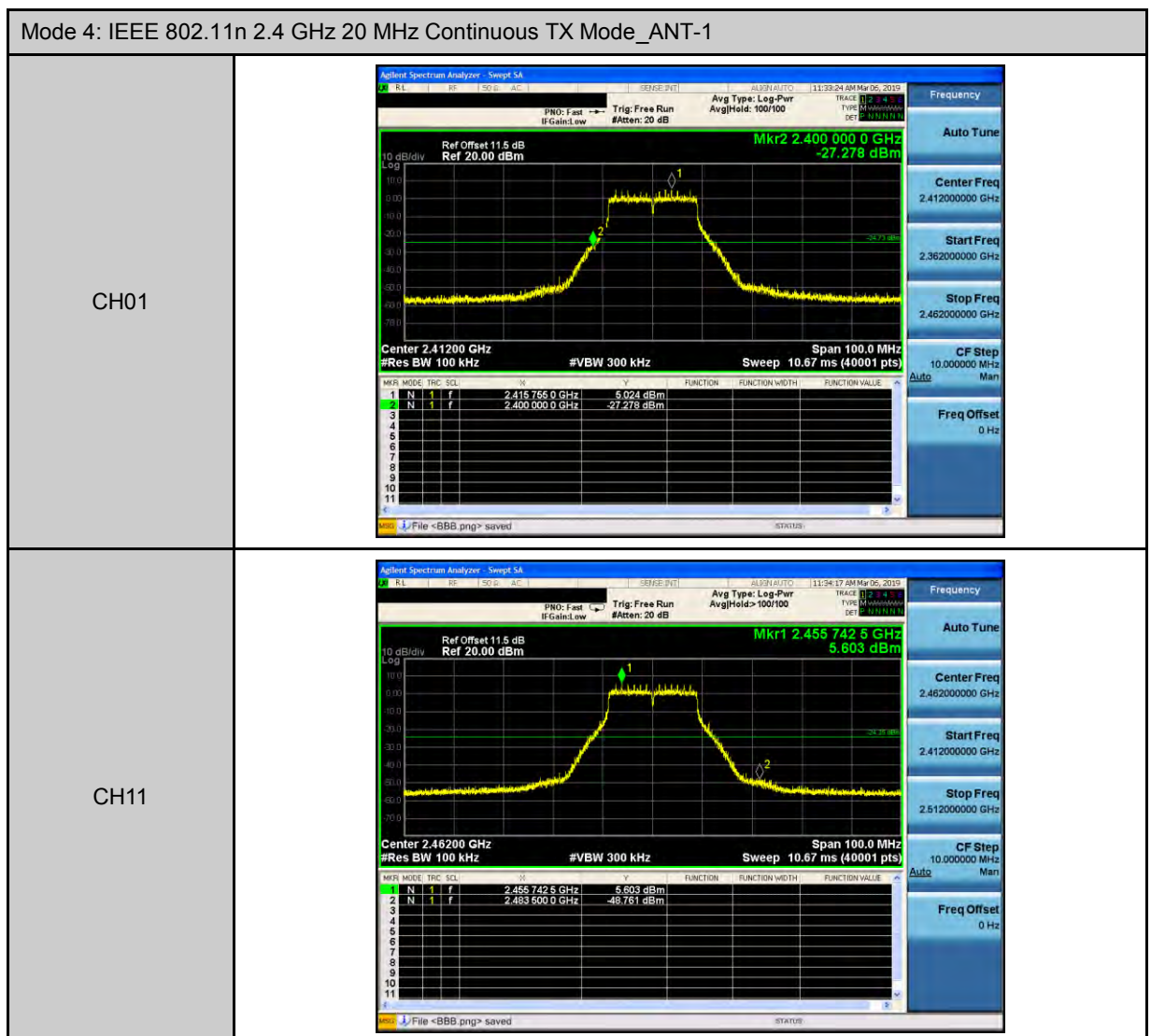
CH11

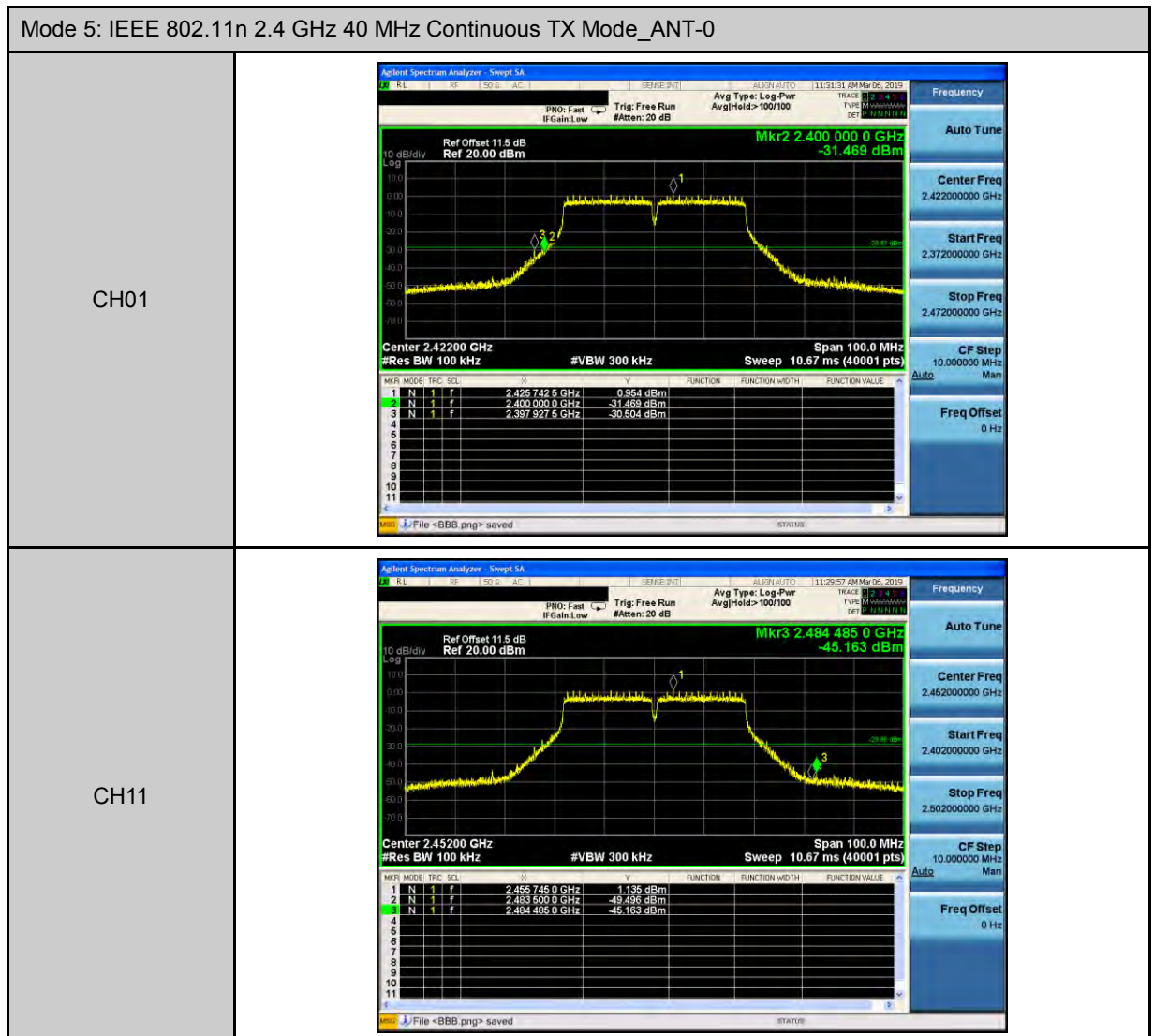










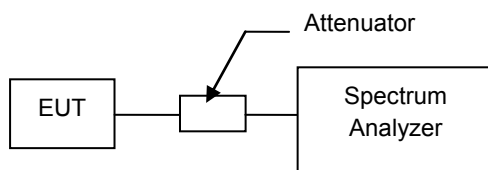


4.2.5 6 dB頻寬之要求

合格標準:

依據 NCC 低功率射頻電機技術規範 3.10.1.6(2)(A)節之要求，對使用數位調變技術(Digital Modulation Techniques)系統而言，6 dB 頻寬至少應有 500 千赫(kHz)。

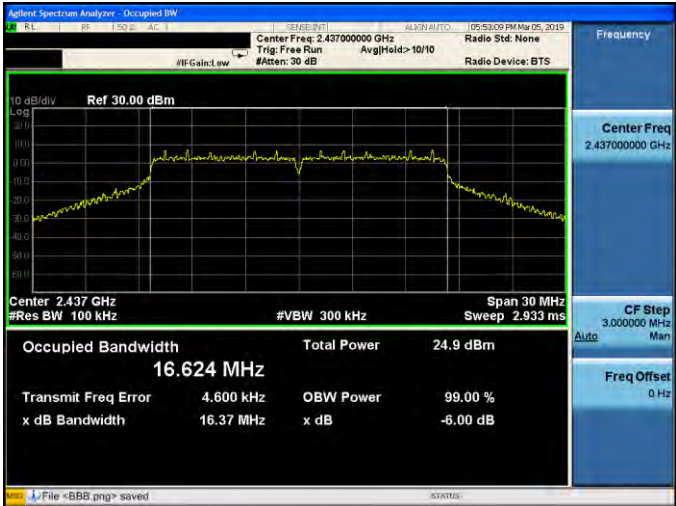
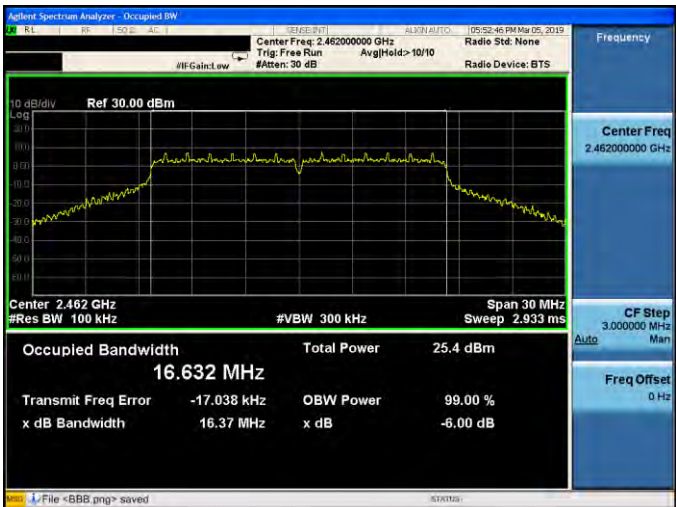
測試架構圖：

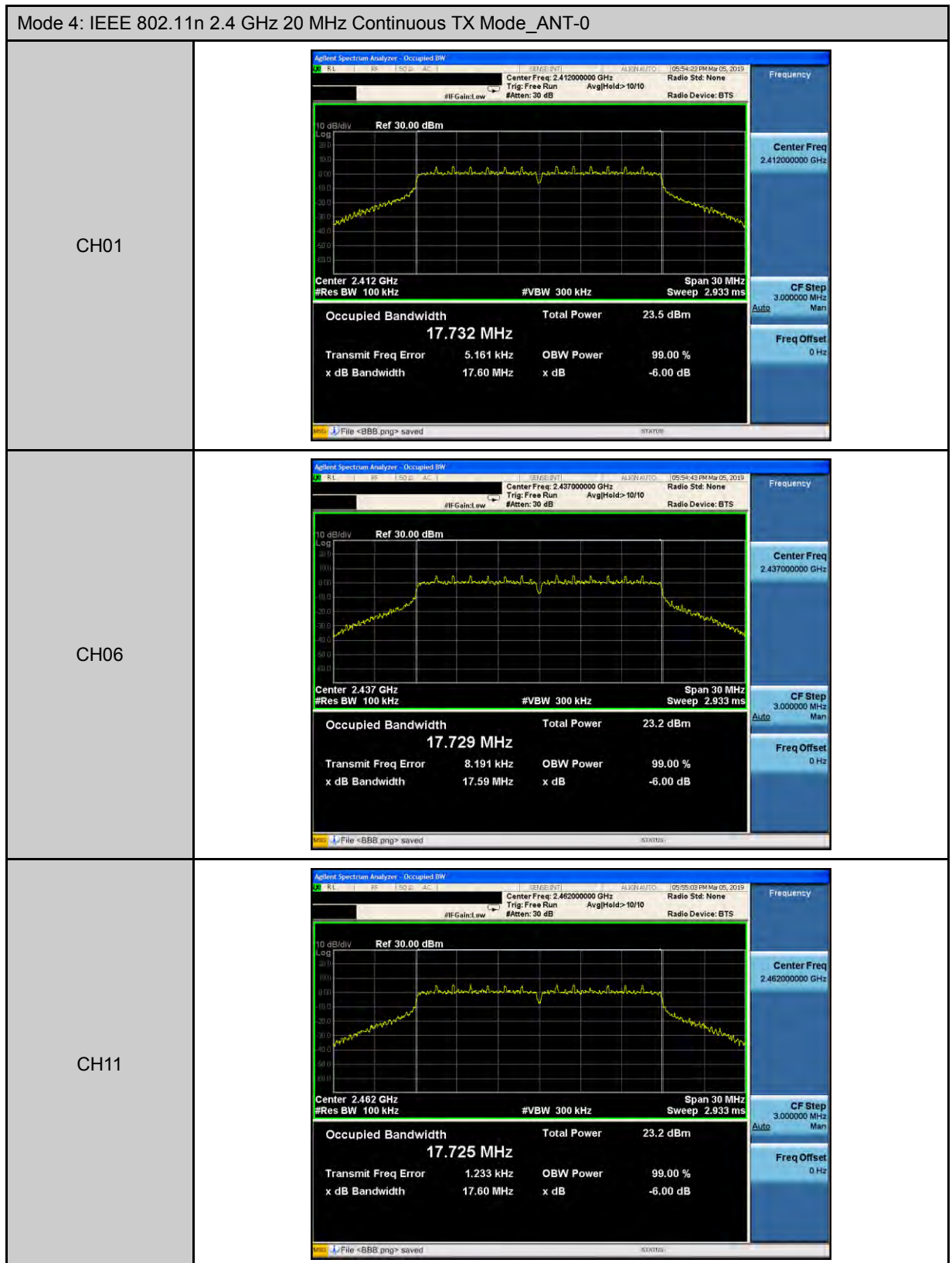


測試結果:

操作模式：Mode 2 / Mode 3 / Mode 4 / Mode 5				
操作模式	頻道	量測值 (kHz)		限制值 (kHz)
		ANT-0	ANT-1	
Mode 2	CH01	10130	---	≥ 500
	CH06	10120	---	≥ 500
	CH11	10120	---	≥ 500
Mode 3	CH01	16360	---	≥ 500
	CH06	16370	---	≥ 500
	CH11	16370	---	≥ 500
Mode 4	CH01	17600	17630	≥ 500
	CH06	17590	17610	≥ 500
	CH11	17600	17620	≥ 500
Mode 5	CH03	36350	36400	≥ 500
	CH06	36340	36380	≥ 500
	CH09	36350	36390	≥ 500
測試掃描圖請參考下頁。				

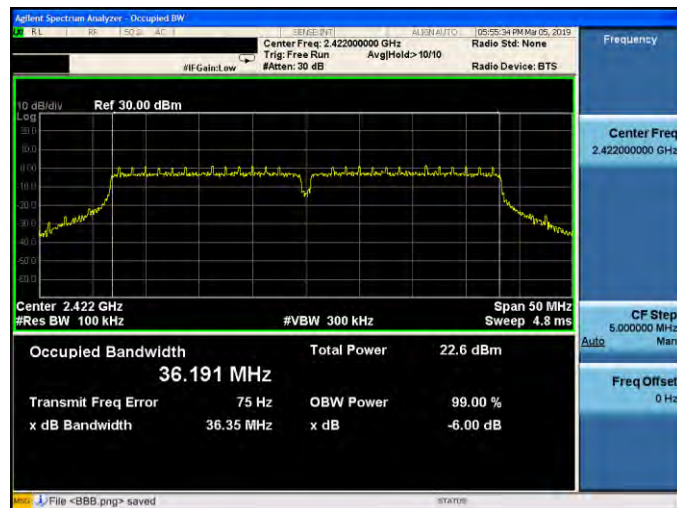
Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0	
CH01	
CH06	
CH11	

Mode 3: IEEE 802.11g Continuous TX Mode_ANT-0	
CH01	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.412000000 GHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS</p> <p>Ref 30.00 dBm</p> <p>Center 2.412 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 16.636 MHz Total Power 25.0 dBm</p> <p>Transmit Freq Error 3.861 kHz OBW Power 99.00 % x dB Bandwidth 16.36 MHz x dB -6.00 dB</p> <p>Center Freq 2.412000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>
CH06	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.437000000 GHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS</p> <p>Ref 30.00 dBm</p> <p>Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 16.624 MHz Total Power 24.9 dBm</p> <p>Transmit Freq Error 4.600 kHz OBW Power 99.00 % x dB Bandwidth 16.37 MHz x dB -6.00 dB</p> <p>Center Freq 2.437000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>
CH11	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.462000000 GHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS</p> <p>Ref 30.00 dBm</p> <p>Center 2.462 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 16.632 MHz Total Power 25.4 dBm</p> <p>Transmit Freq Error -17.038 kHz OBW Power 99.00 % x dB Bandwidth 16.37 MHz x dB -6.00 dB</p> <p>Center Freq 2.462000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>

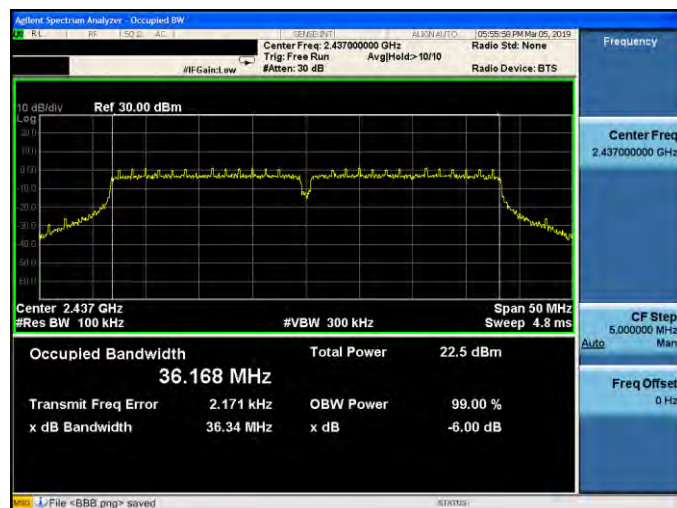


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-0

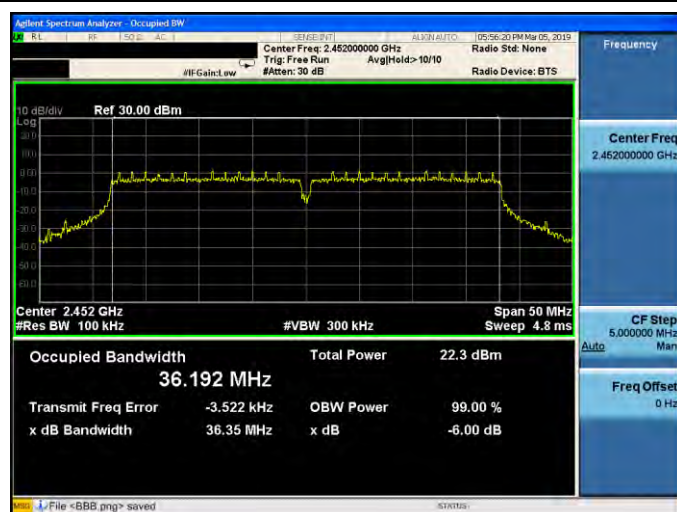
CH03

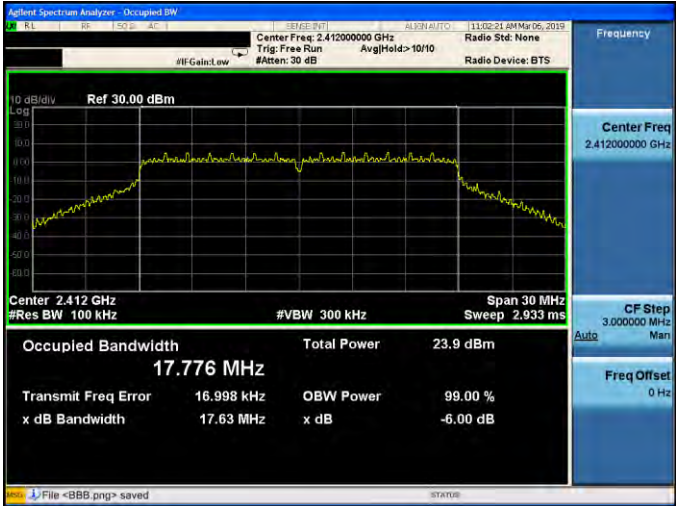
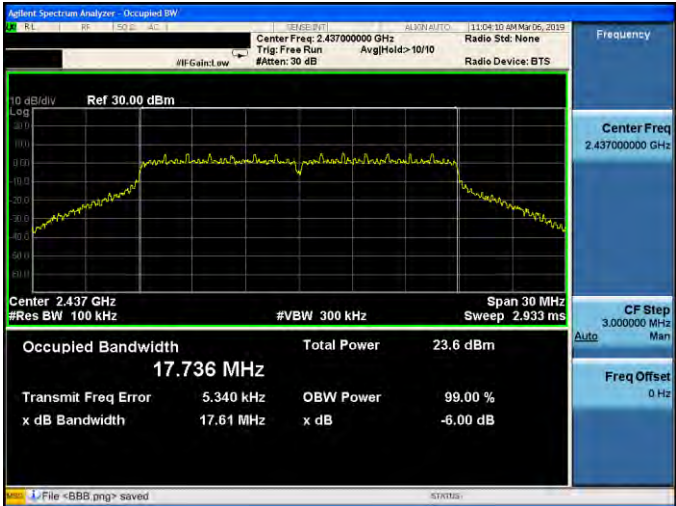
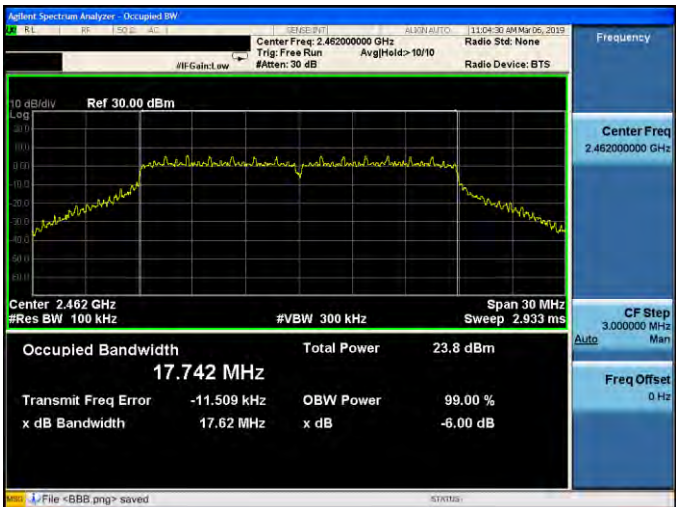


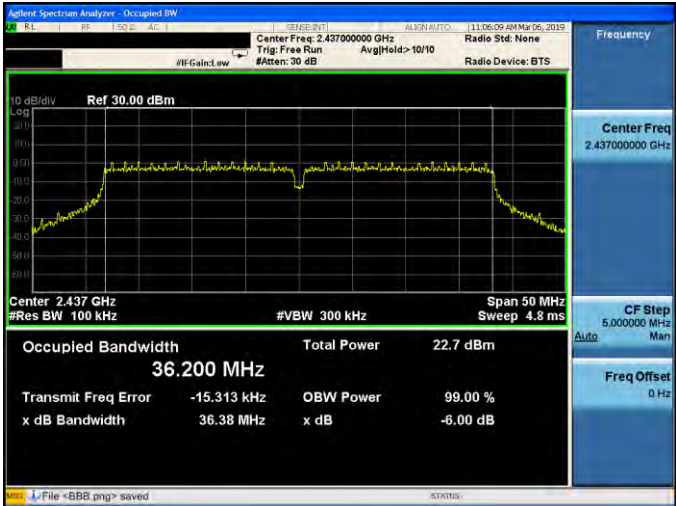
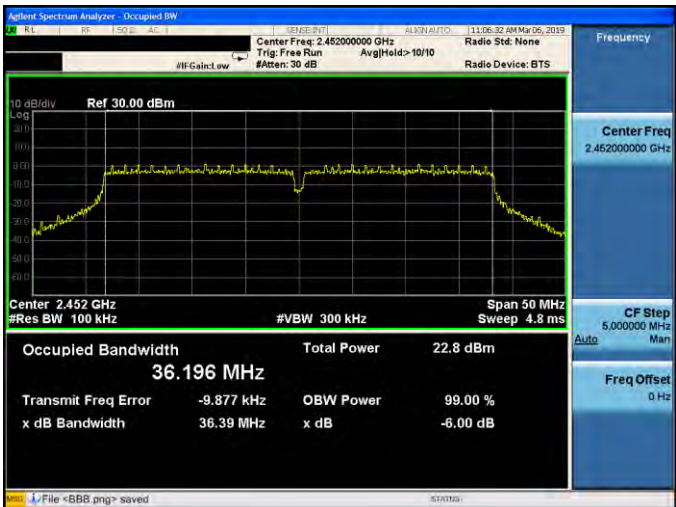
CH06



CH09



Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-1	
CH01	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.412000000 GHz Trig: Free Run #Atten: 30 dB Radio Device: BTS</p> <p>Ref: 30.00 dBm</p> <p>Center: 2.412 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 30 MHz Sweep: 2.933 ms</p> <p>Occupied Bandwidth: 17.776 MHz Total Power: 23.9 dBm</p> <p>Transmit Freq Error: 16.998 kHz OBW Power: 99.00 % x dB Bandwidth: 17.63 MHz x dB: -6.00 dB</p> <p>Center Freq: 2.412000000 GHz CF Step: 3.000000 MHz Freq Offset: 0 Hz</p> <p>File <BBB.png> saved</p>
CH06	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.437000000 GHz Trig: Free Run #Atten: 30 dB Radio Device: BTS</p> <p>Ref: 30.00 dBm</p> <p>Center: 2.437 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 30 MHz Sweep: 2.933 ms</p> <p>Occupied Bandwidth: 17.736 MHz Total Power: 23.6 dBm</p> <p>Transmit Freq Error: 5.340 kHz OBW Power: 99.00 % x dB Bandwidth: 17.61 MHz x dB: -6.00 dB</p> <p>Center Freq: 2.437000000 GHz CF Step: 3.000000 MHz Freq Offset: 0 Hz</p> <p>File <BBB.png> saved</p>
CH11	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.462000000 GHz Trig: Free Run #Atten: 30 dB Radio Device: BTS</p> <p>Ref: 30.00 dBm</p> <p>Center: 2.462 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 30 MHz Sweep: 2.933 ms</p> <p>Occupied Bandwidth: 17.742 MHz Total Power: 23.8 dBm</p> <p>Transmit Freq Error: -11.509 kHz OBW Power: 99.00 % x dB Bandwidth: 17.62 MHz x dB: -6.00 dB</p> <p>Center Freq: 2.462000000 GHz CF Step: 3.000000 MHz Freq Offset: 0 Hz</p> <p>File <BBB.png> saved</p>

Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-1	
CH03	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.42200000 GHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS</p> <p>Ref: 30.00 dBm</p> <p>Center: 2.422 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 50 MHz Sweep: 4.8 ms</p> <p>Occupied Bandwidth: 36.187 MHz Total Power: 22.7 dBm</p> <p>Transmit Freq Error: -5.325 kHz OBW Power: 99.00 % x dB Bandwidth: 36.40 MHz x dB: -6.00 dB</p> <p>File <BBB.png> saved</p>
CH06	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.437000000 GHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS</p> <p>Ref: 30.00 dBm</p> <p>Center: 2.437 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 50 MHz Sweep: 4.8 ms</p> <p>Occupied Bandwidth: 36.200 MHz Total Power: 22.7 dBm</p> <p>Transmit Freq Error: -15.313 kHz OBW Power: 99.00 % x dB Bandwidth: 36.38 MHz x dB: -6.00 dB</p> <p>File <BBB.png> saved</p>
CH09	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.452000000 GHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS</p> <p>Ref: 30.00 dBm</p> <p>Center: 2.452 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 50 MHz Sweep: 4.8 ms</p> <p>Occupied Bandwidth: 36.196 MHz Total Power: 22.8 dBm</p> <p>Transmit Freq Error: -9.877 kHz OBW Power: 99.00 % x dB Bandwidth: 36.39 MHz x dB: -6.00 dB</p> <p>File <BBB.png> saved</p>

4.2.6 峰值發射電功率密度之要求

合格標準:

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

IEEE 802.11b / IEEE 802.11g

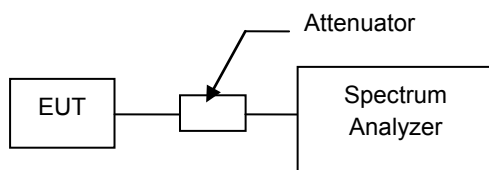
* Directional Gain = Antenna Gain = -1 dBi < 6 dBi

IEEE 802.11n 2.4 GHz 20 MHz / IEEE 802.11n 2.4 GHz 40 MHz

* Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / N_{ANT}\} = 2.01 \text{ dBi} < 6 \text{ dBi}$

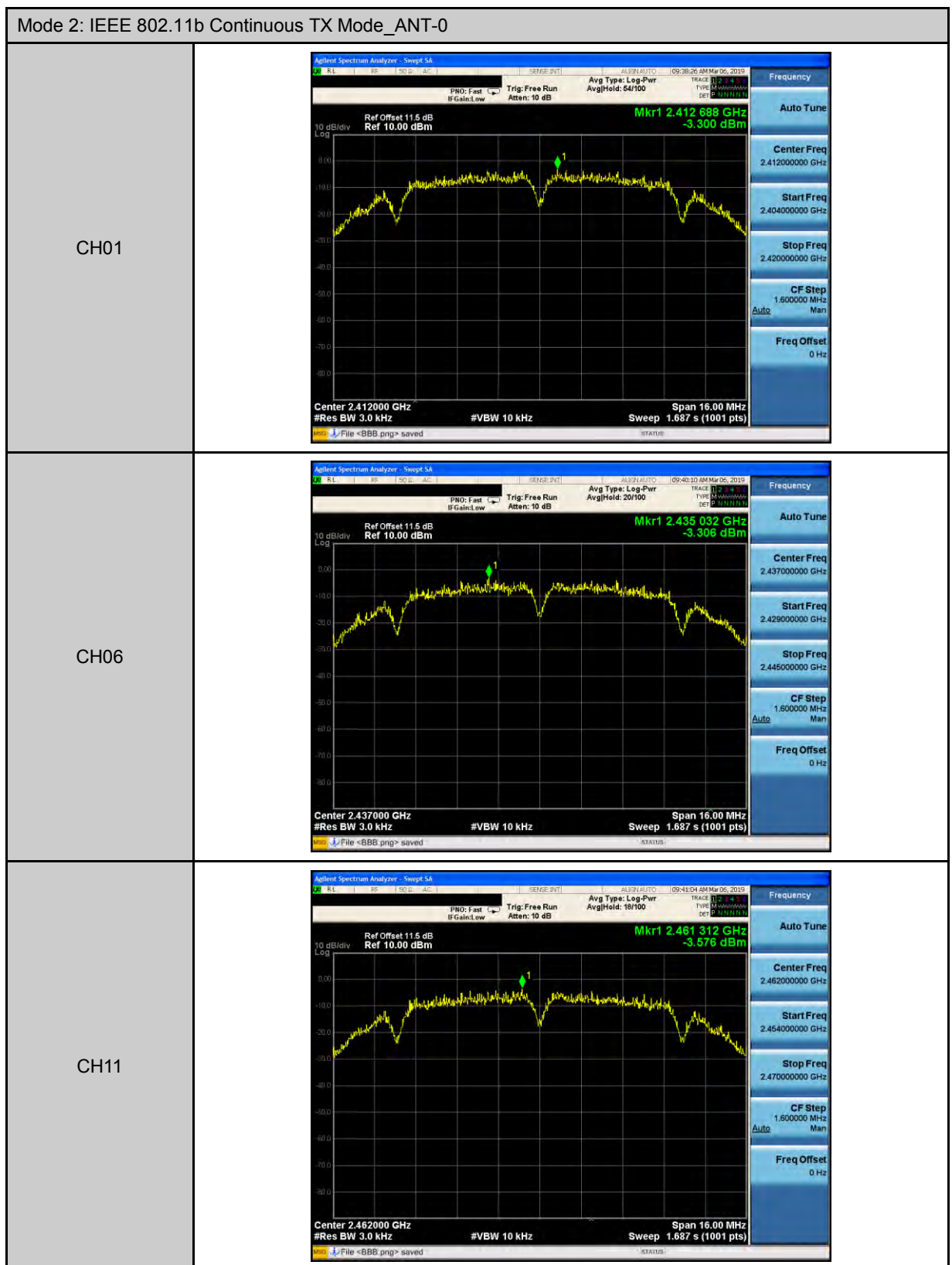
測試架構圖：

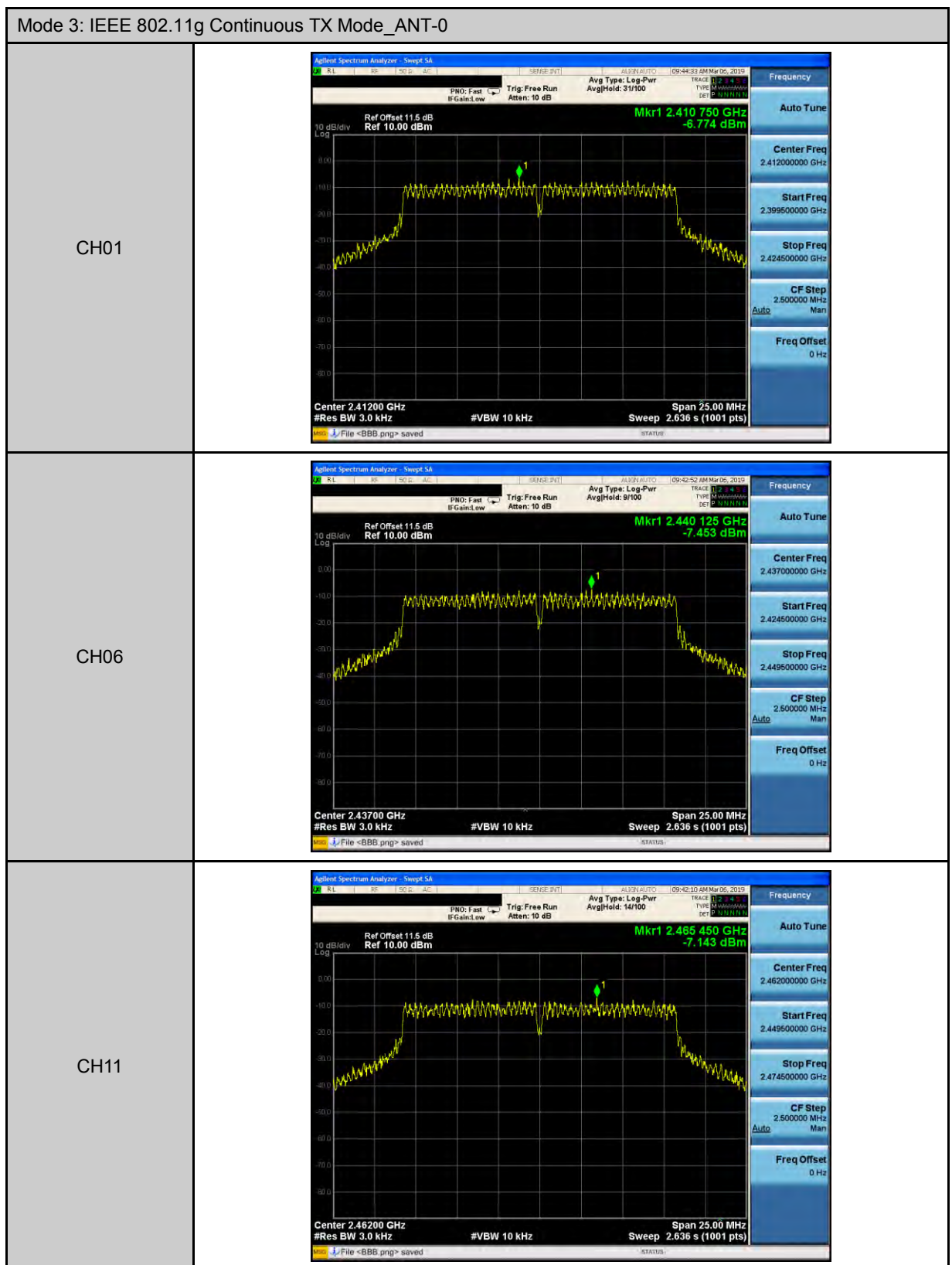
測試場地測試配置如圖所示。

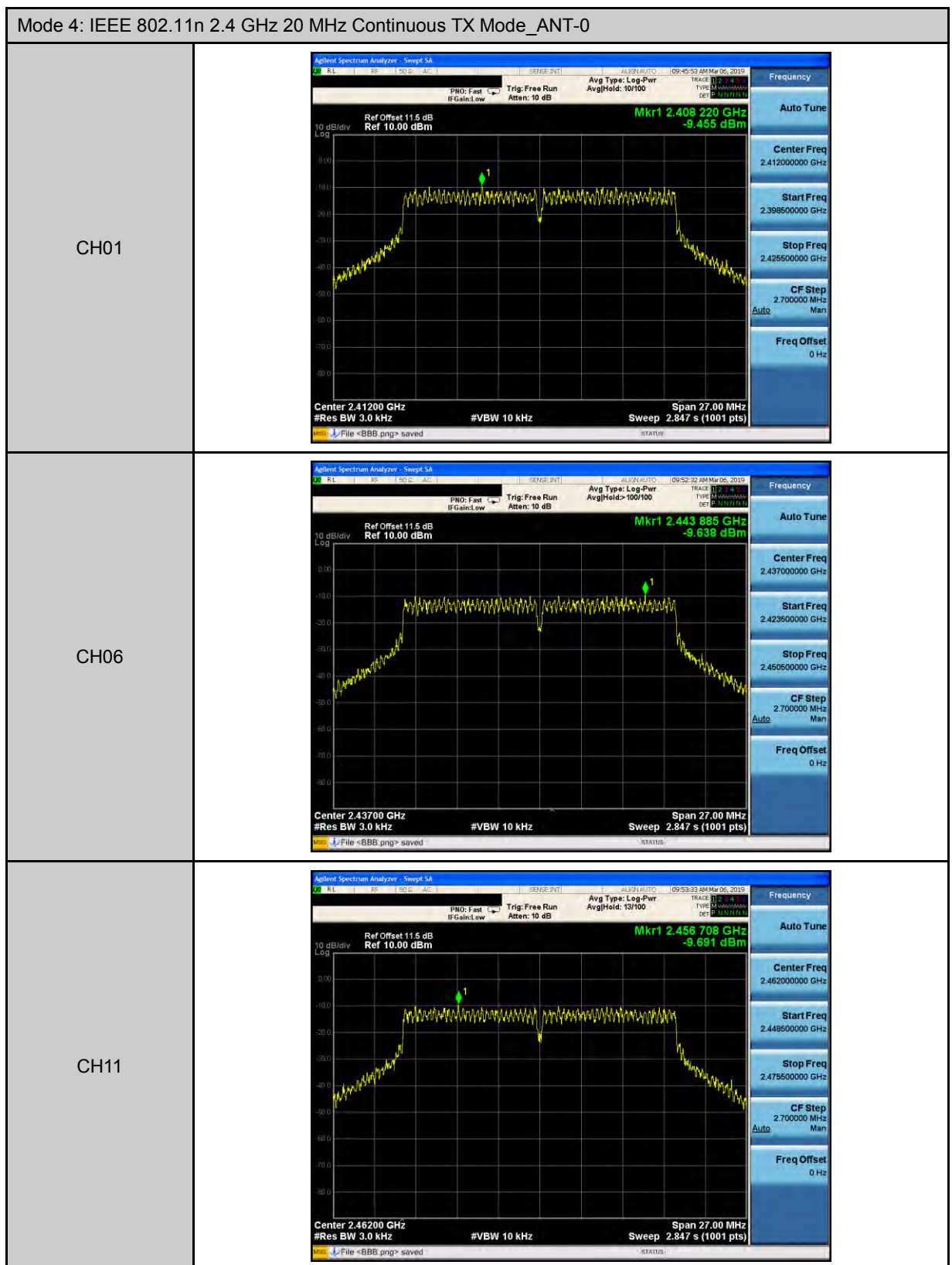


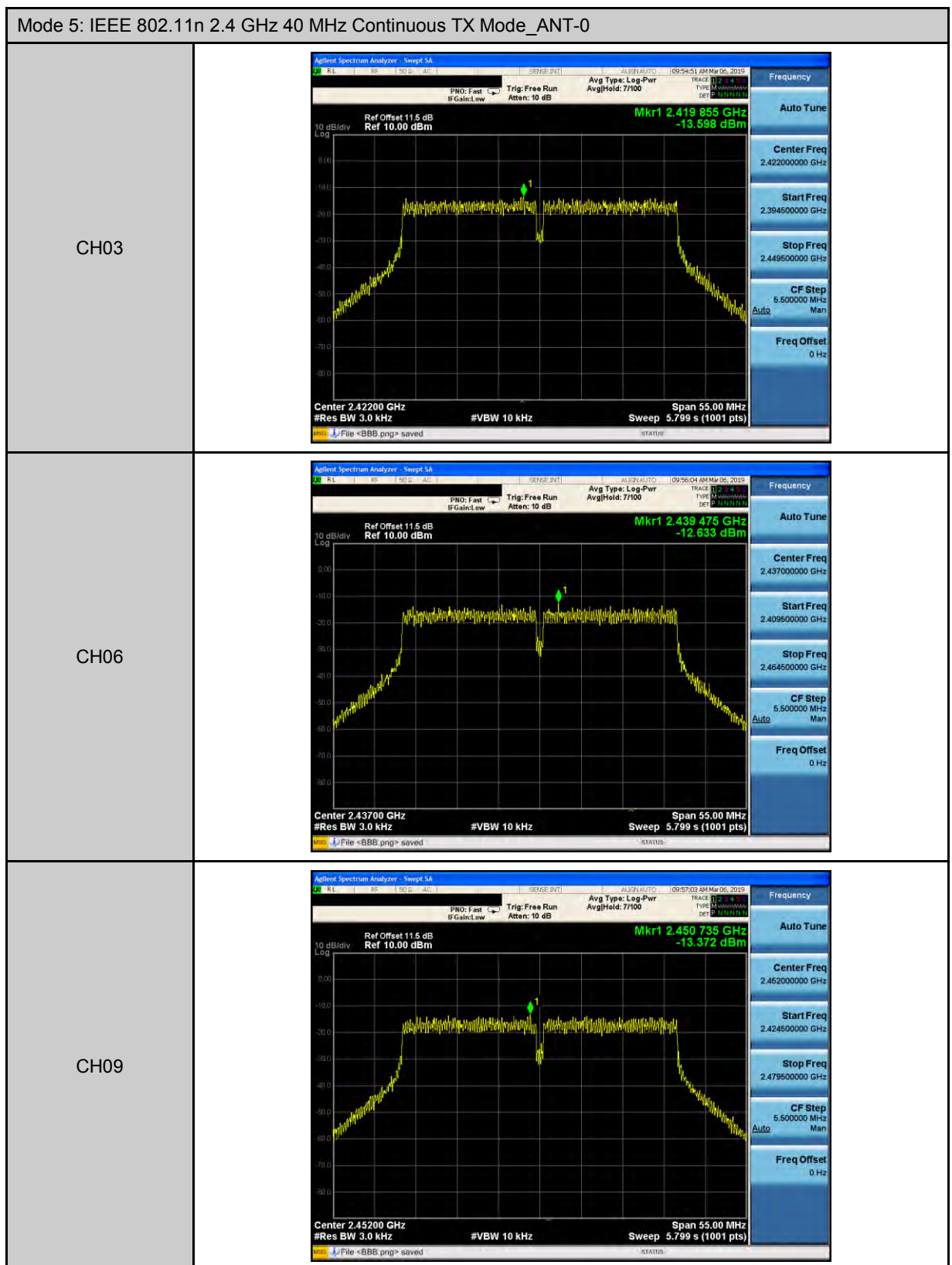
測試結果:

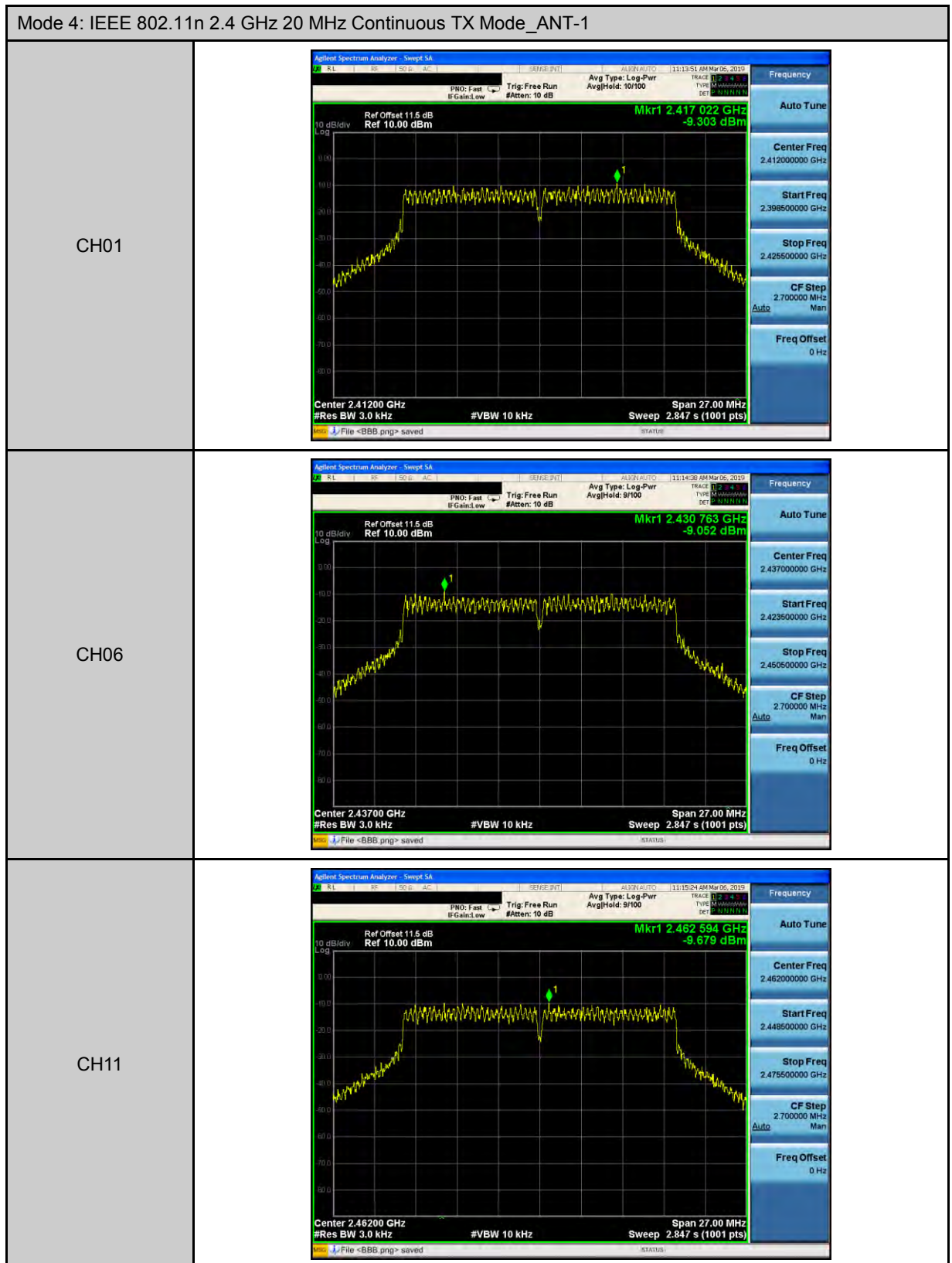
操作模式 : Mode 2 / Mode 3 / Mode 4 / Mode 5					
測試結果 : 合格					
操作模式	頻道	量測值 (dBm)			限制值 (dBm)
		ANT-0	ANT-1	ANT-0+1	
Mode 2	CH01	-3.300	---	---	≤ 8
	CH06	-3.306	---	---	≤ 8
	CH11	-3.576	---	---	≤ 8
Mode 3	CH01	-6.774	---	---	≤ 8
	CH06	-7.453	---	---	≤ 8
	CH11	-7.143	---	---	≤ 8
Mode 4	CH01	-9.455	-9.303	-6.368	≤ 8
	CH06	-9.638	-9.052	-6.325	≤ 8
	CH11	-9.691	-9.679	-6.675	≤ 8
Mode 5	CH03	-13.598	-13.661	-10.619	≤ 8
	CH06	-12.633	-12.782	-9.697	≤ 8
	CH09	-13.372	-12.722	-10.025	≤ 8

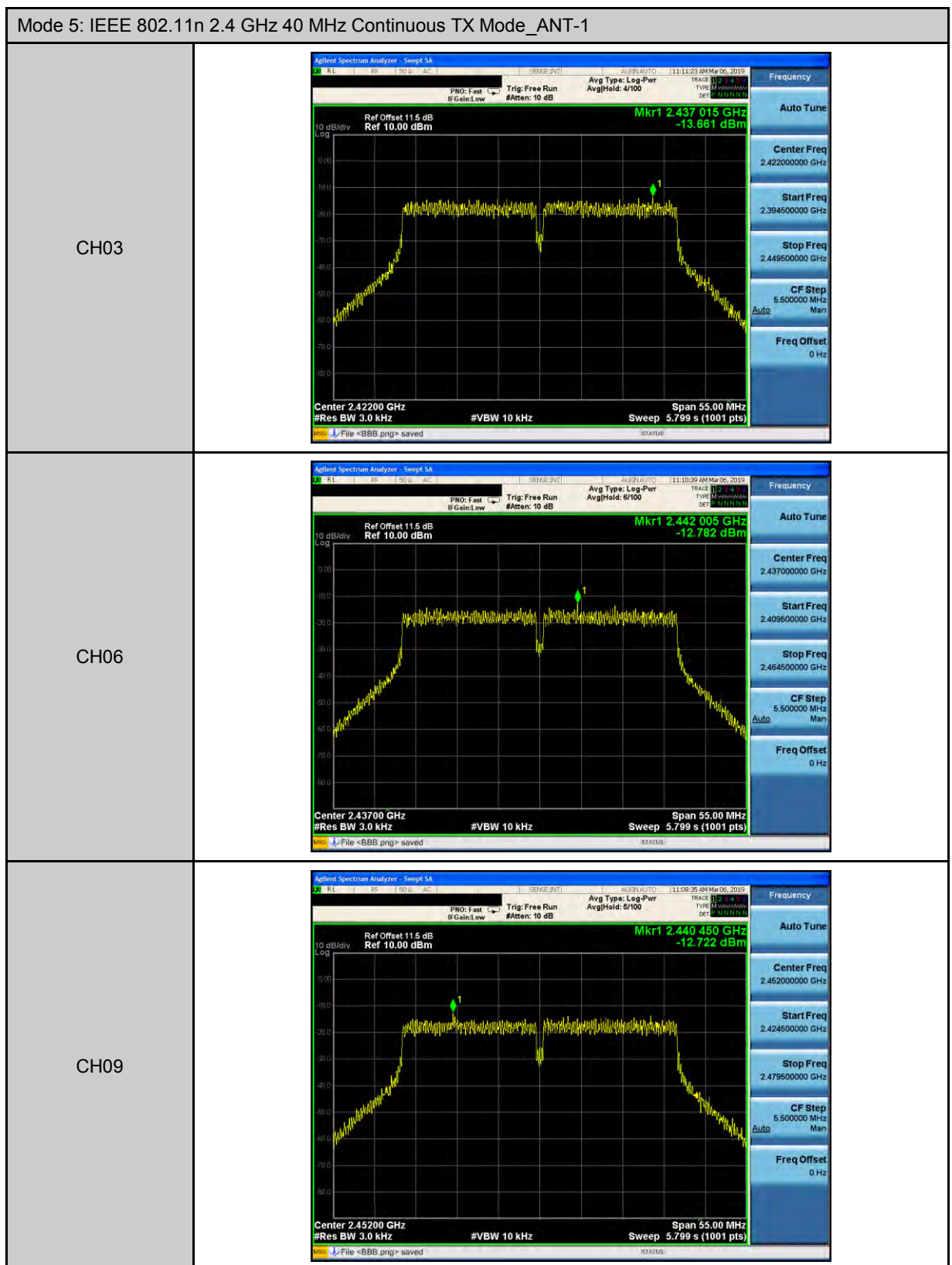












4.2.7 電波暴露量之評估

合格標準:

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

5.20.2.1 職業性/可控制之暴露

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

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：MHz。

5.20.2.2 一般人/不可控制之暴露

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

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：MHz。

判定結果:

Band	Frequency (MHz)	Limit (mW/cm ²)	Distance [R] (cm)	Power [P] (dBm)	ANT Gain (dBi)	Numeric Gain [G] (dBi)	Duty Cycle	With Duty cycle [P] x [G] (mW)	Power Density [S] (mW/cm ²)
IEEE 802.11b	2412	1.0	20	18.85	-1	0.79	1	60.622	0.0121
	2437	1.0	20	18.91	-1	0.79	1	61.465	0.0122
	2462	1.0	20	18.89	-1	0.79	1	61.182	0.0122
IEEE 802.11g	2412	1.0	20	17.85	-1	0.79	1	48.153	0.0096
	2437	1.0	20	17.83	-1	0.79	1	47.932	0.0095
	2462	1.0	20	17.81	-1	0.79	1	47.712	0.0095
IEEE 802.11n 20 MHz	2412	1.0	20	18.84	2.01	1.59	1	121.759	0.0242
	2437	1.0	20	18.91	2.01	1.59	1	123.598	0.0246
	2462	1.0	20	18.99	2.01	1.59	1	126.017	0.0251
IEEE 802.11n 40 MHz	2422	1.0	20	18.03	2.01	1.59	1	101.132	0.0201
	2437	1.0	20	17.97	2.01	1.59	1	99.553	0.0198
	2452	1.0	20	17.95	2.01	1.59	1	99.213	0.0197

4.3 5 GHz U-NII 檢驗項目

4.3.1 場強輻射與非必要頻帶之量測

場強輻射合格標準：

依據 NCC 低功率射頻電機技術規範(LP0002)之落於第 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	1660.0~1770.0	8025.0~8500.0
0.490~0.510	149.90~150.05	1805.0~1865.0	9000.0~9200.0
2.172~2.198	156.70~156.90	1885.0~1900.0	9300.0~9500.0
3.013~3.033	162.01~167.17	1905.0~1985.0	10600~12700
4.115~4.198	167.72~173.20	2015.0~2025.0	13250~13400
5.670~5.690	240.00~285.00	2125.0~2165.0	14470~14500
6.200~6.300	322.00~335.40	2200.0~2300.0	15350~16200
8.230~8.400	399.90~410.00	2310.0~2390.0	17700~21400
12.265~12.600	485.00~510.00	2483.5~2900.0	22010~23120
13.340~13.430	608.00~614.00	3260.0~3267.0	23600~24000
14.965~15.020	703.00~748.00	3332.0~3339.0	31200~31800
16.700~16.755	758.00~803.00	3345.8~3358.0	36430~36500
19.965~20.020	825.00~915.00	3500.0~4400.0	38600 以上
25.500~25.700	930.00~1240.0	4500.0~5250.0	
37.475~38.275	1300.0~1427.0	5350.0~5460.0	
73.500~75.400	1435.0~1626.5	7250.0~7750.0	

依據 NCC 低功率射頻電機技術規範第 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

非必要頻帶合格標準：

依據 NCC 低功率射頻電機技術規範(LP0002)之 4.7.4 節之要：

不必要發射之限值：在操作頻帶外的峰值發射應衰減至符合下列限值：

1. 在 5.15 GHz~5.35 GHz 及 5.470 GHz~5.725 GHz 頻帶操作的發射器：帶外發射之有效等向輻射功率(EIRP) $\leq$ -27 dBm/MHz。
2. 在 5.725 GHz~5.850 GHz 的頻帶操作之發射器：所有頻帶邊緣的頻率發射，其有效等向輻射功率(EIRP) $\leq$ 27 dBm/MHz；所有頻帶邊緣向外 5 MHz 內頻率之發射從有效等向輻射功率(EIRP) $\leq$ 27 dBm/MHz 線性減少至有效等向輻射功率(EIRP) $\leq$ 15.6 dBm/MHz；所有頻帶邊緣向外 25 MHz 內頻率之發射從有效等向輻射功率(EIRP) $\leq$ 15.6 dBm/MHz 線性減少至有效等向輻射功率(EIRP) $\leq$ 10 dBm/MHz；所有頻帶邊緣向外 75 MHz 內頻率之發射從有效等向輻射功率(EIRP) $\leq$ 10 dBm/MHz 線性減少至有效等向輻射功率(EIRP) $\leq$ -27 dBm/MHz；所有頻帶邊緣向外 75 MHz 頻率之發射的有效等向輻射功率(EIRP) $\leq$ -27 dBm/MHz。
3. 量測不必要發射時，應使用之最低解析頻寬為 1 MHz。必要時，於頻帶邊緣附近可使用小於 1 MHz 之解析頻寬，並以補償方式計算其總值。
4. 當測量不必要發射之限值時，應將待測物的載波頻率調整到儘可能接近設備設計所允許的上、下頻帶邊緣。
5. 在 1 GHz 以下的不必要之發射，應符合第 2.8 條之規定，任何使用市電為供應電源之設備亦須符合 2.3 條之電源線傳導限值。
6. 不必要發射頻率屬第 2.7 條規定頻帶者，應符合第 2.8 條之規定。

測試方法：

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

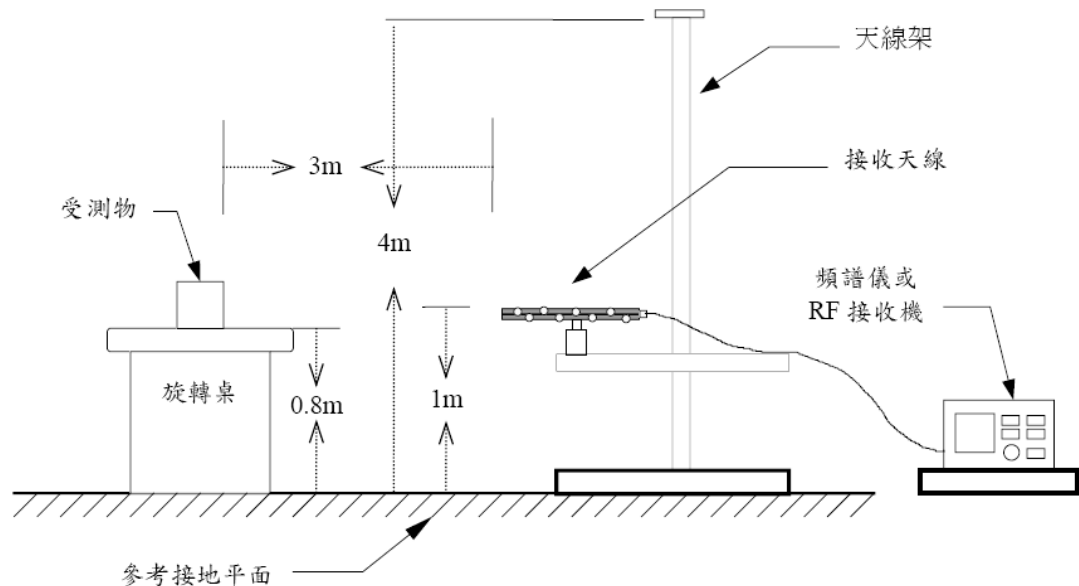
場強度之計算

場強之計算公式為：結果值 = 讀值 + 校正因子

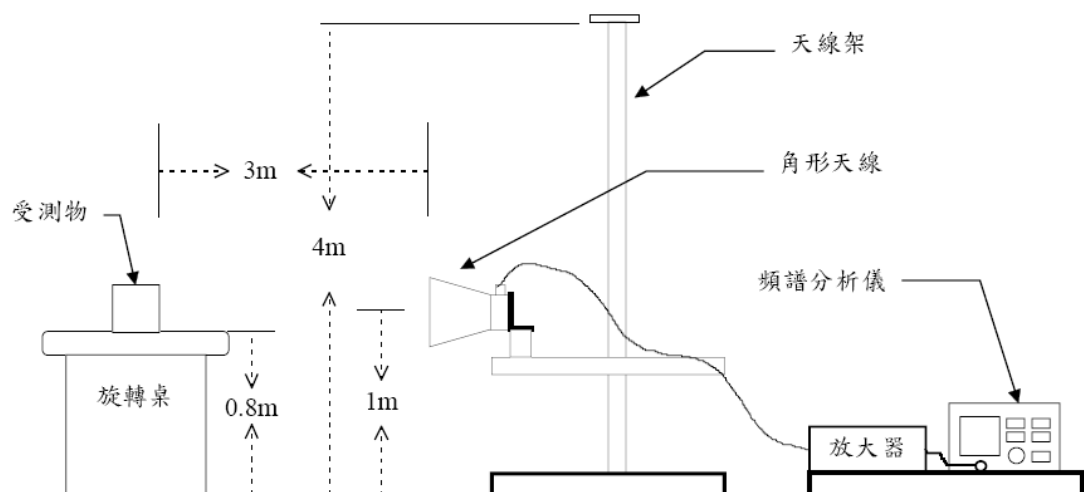
其中校正因子為：天線因子 + 饋線損失 + 濾波器損失（若有使用） - 放大器增益（若有使用）

測試架構圖：

量測頻率低於 1 GHz 以下之測試配置



量測頻率高於 1 GHz 以上之測試配置



測試結果:

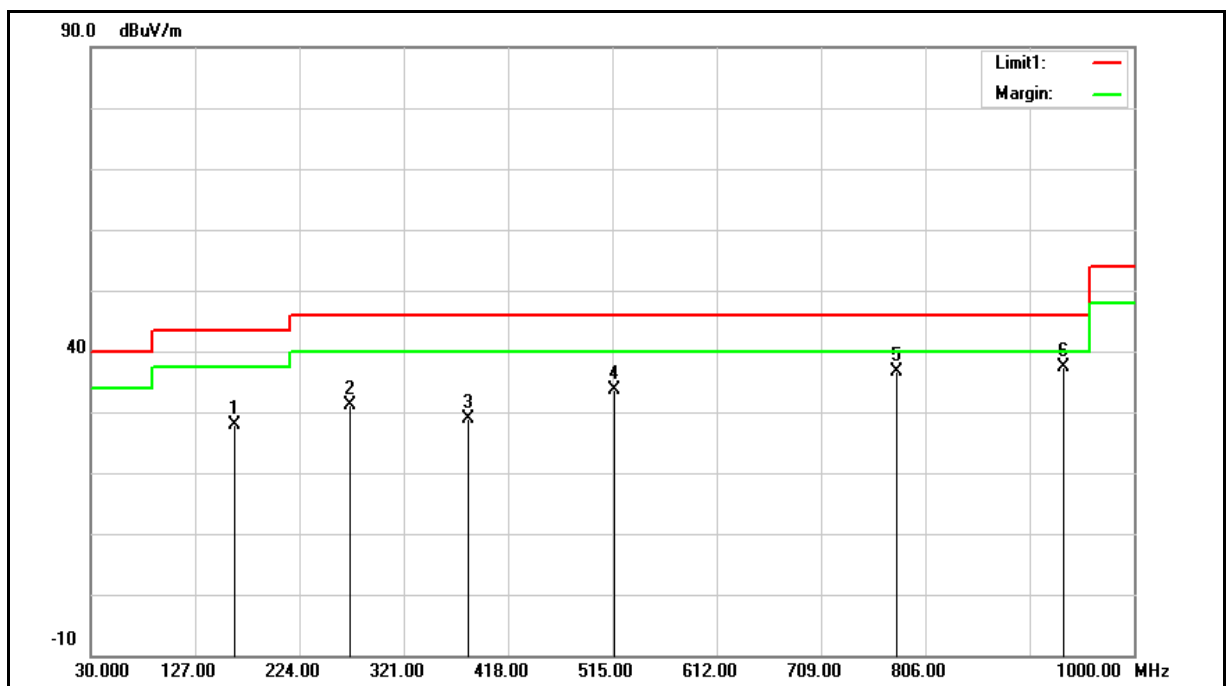
本產品透過預測試確認 X、Y 和 Z 個軸中最差之結果軸向為 X 軸，因此場強輻射完整測試 X 軸並將其結果記錄於報告中。

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。

Model Number : WRT-W29

其它不必要之訊號 (1 GHz 以下)

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Test Mode:	Mode 6		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	163.8600	33.32	-5.49	27.83	43.50	-15.67	QP
2	270.5600	35.92	-4.84	31.08	46.00	-14.92	QP
3	381.1400	31.03	-2.22	28.81	46.00	-17.19	QP
4	516.9400	33.11	0.49	33.60	46.00	-12.40	QP
5	779.8100	30.57	6.02	36.59	46.00	-9.41	QP
6	935.0100	29.07	8.42	37.49	46.00	-8.51	QP

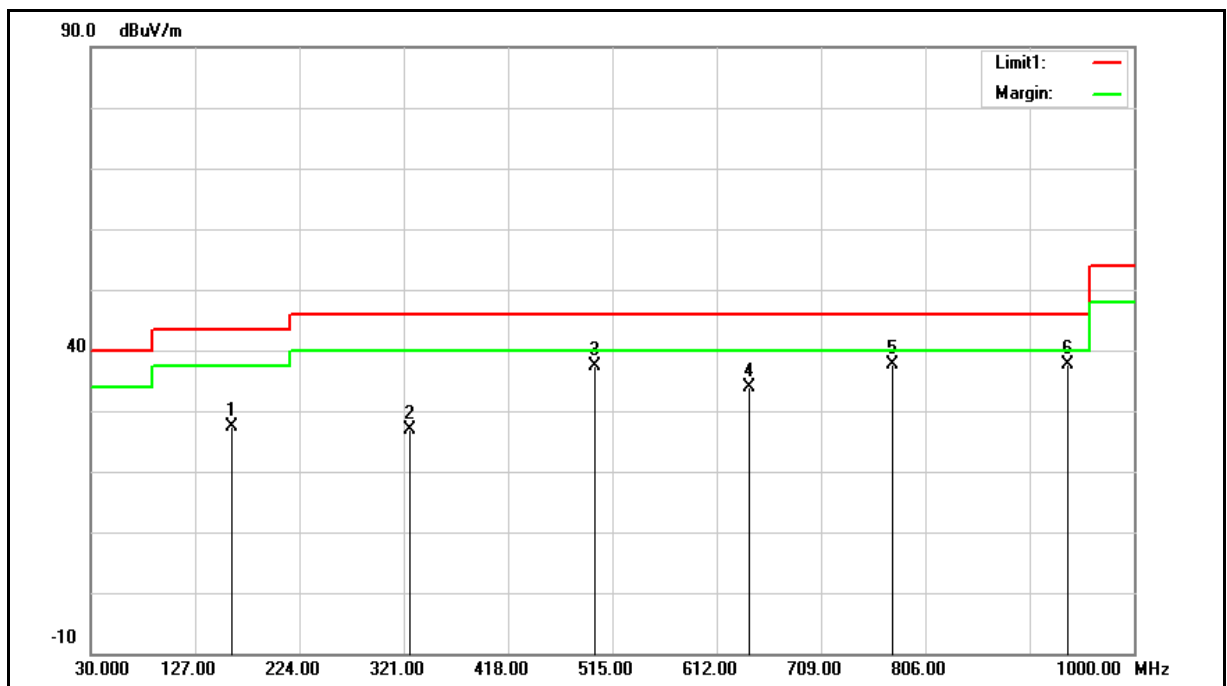
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 27.83= -5.49+33.32

2.Correction factor (dB/m) = Antenna Factor (dB/m) + 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:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Test Mode:	Mode 6		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	160.9500	32.70	-5.37	27.33	43.50	-16.17	QP
2	326.8200	30.19	-3.34	26.85	46.00	-19.15	QP
3	498.5100	37.26	0.17	37.43	46.00	-8.57	QP
4	642.0700	30.81	3.13	33.94	46.00	-12.06	QP
5	775.9300	31.62	5.96	37.58	46.00	-8.42	QP
6	938.8900	29.16	8.49	37.65	46.00	-8.35	QP

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

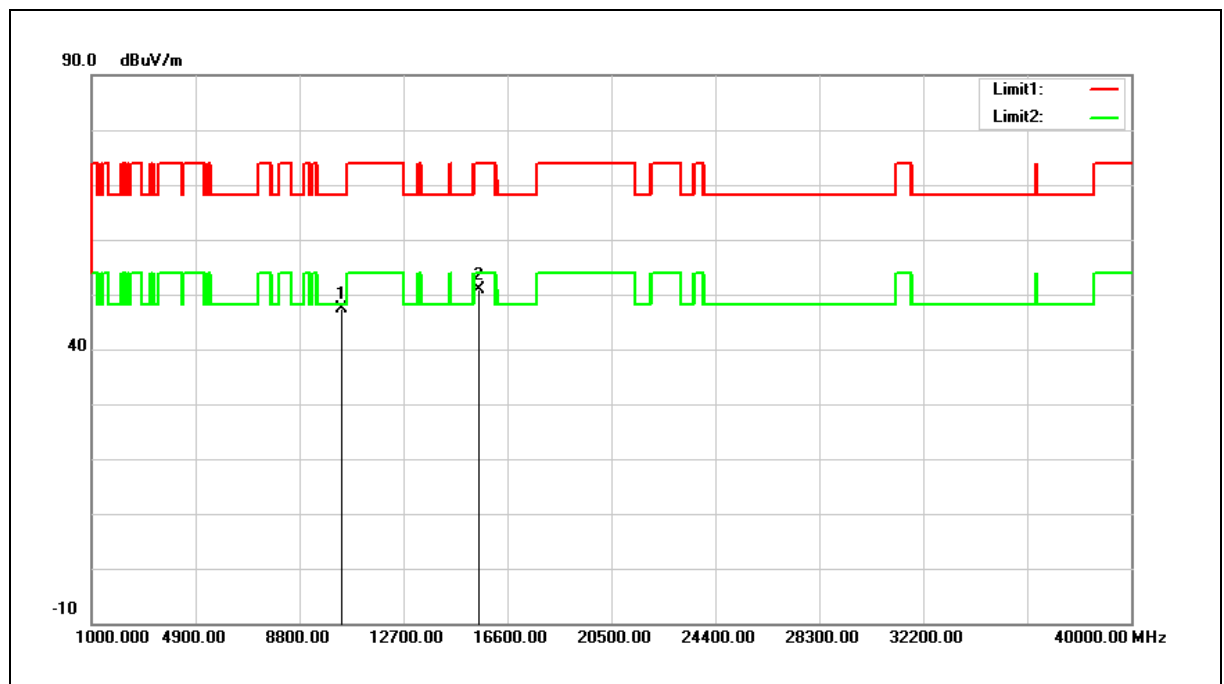
Example: $27.33 = -5.37 + 32.70$

2. Correction factor (dB/m) = Antenna Factor (dB/m) + 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:	5180 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	30.53	16.79	47.32	68.20	-20.88	peak
2	15540.000	31.73	19.03	50.76	74.00	-23.24	peak

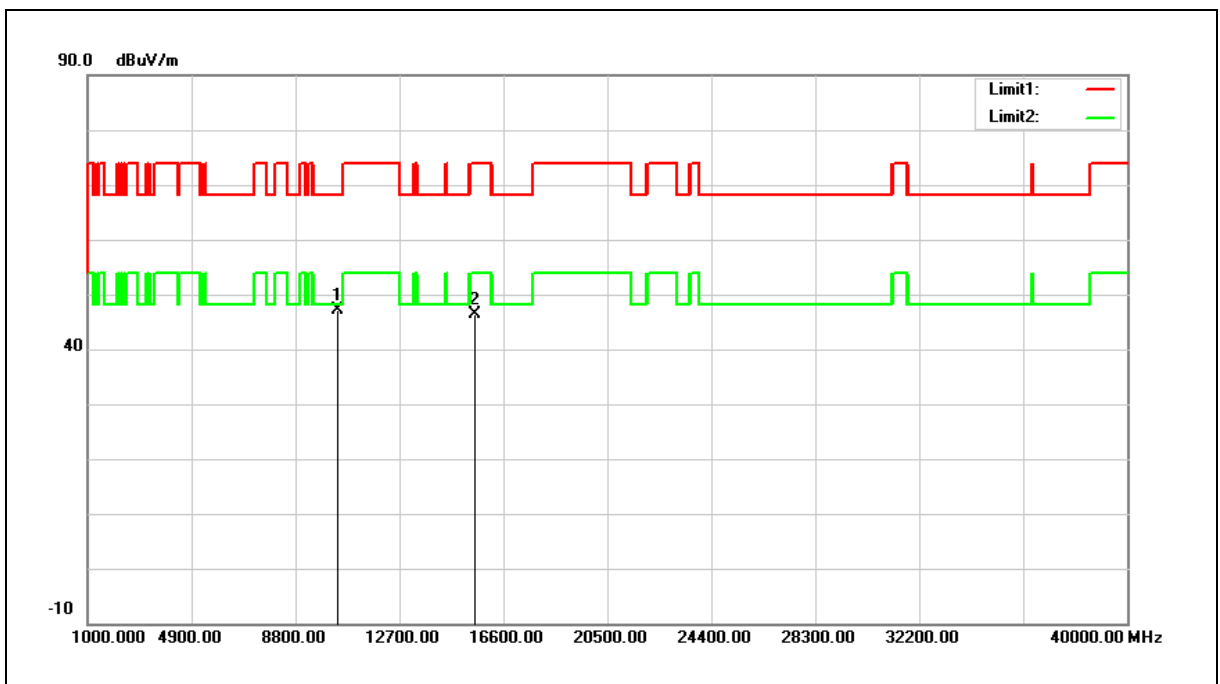
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

Example: 47.32 = 16.79 + 30.53

2. Correction factor (dB/m) = Antenna Factor (dB/m) + 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:	5180 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	30.29	16.79	47.08	68.20	-21.12	peak
2	15540.000	27.45	19.03	46.48	74.00	-27.52	peak

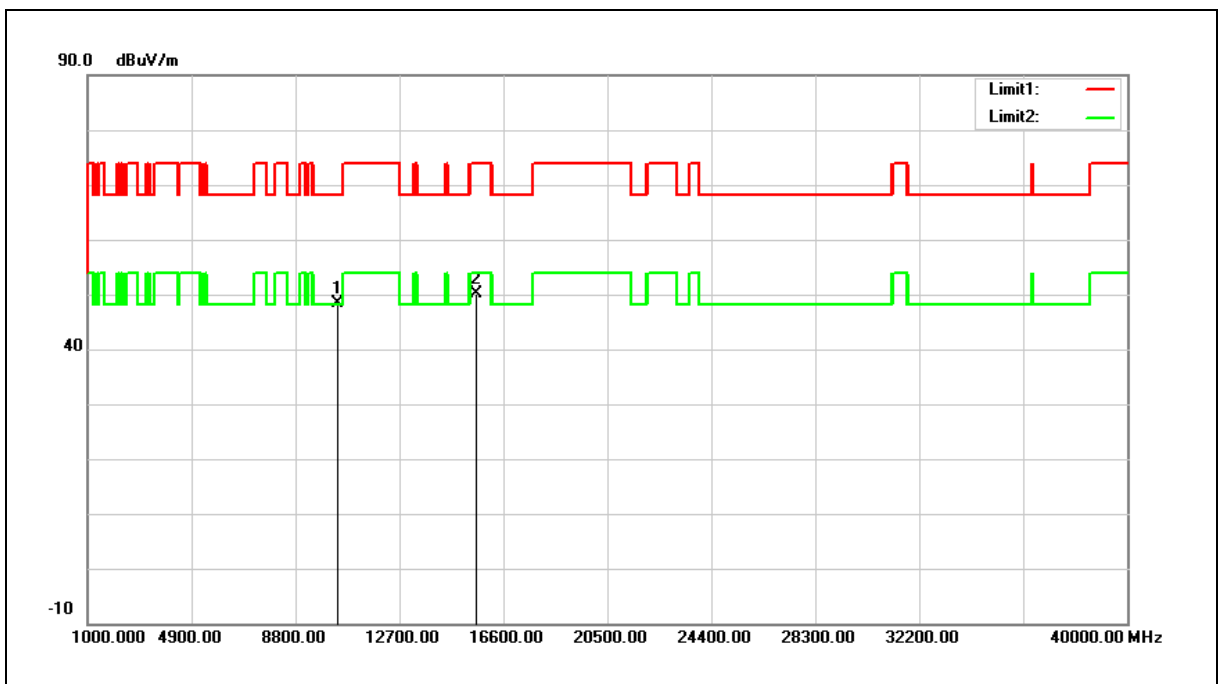
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

Example: 47.08 = 16.79 + 30.29

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5200 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



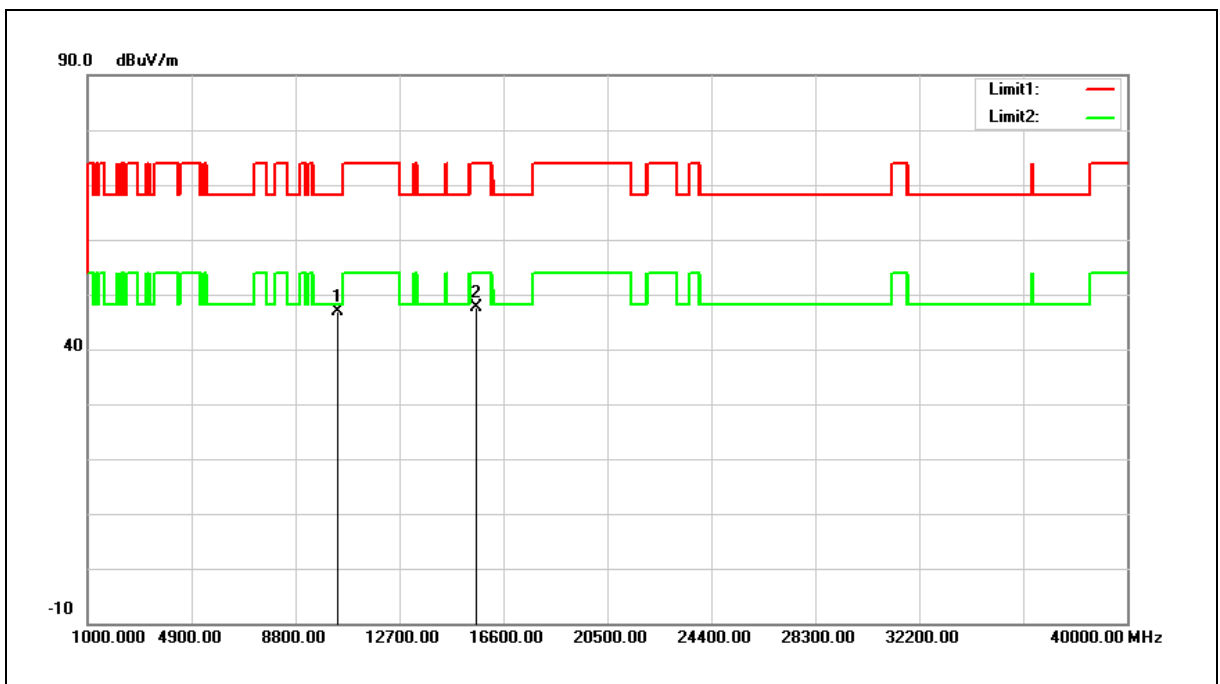
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	31.43	16.94	48.37	68.20	-19.83	peak
2	15600.000	31.16	18.87	50.03	74.00	-23.97	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5200 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



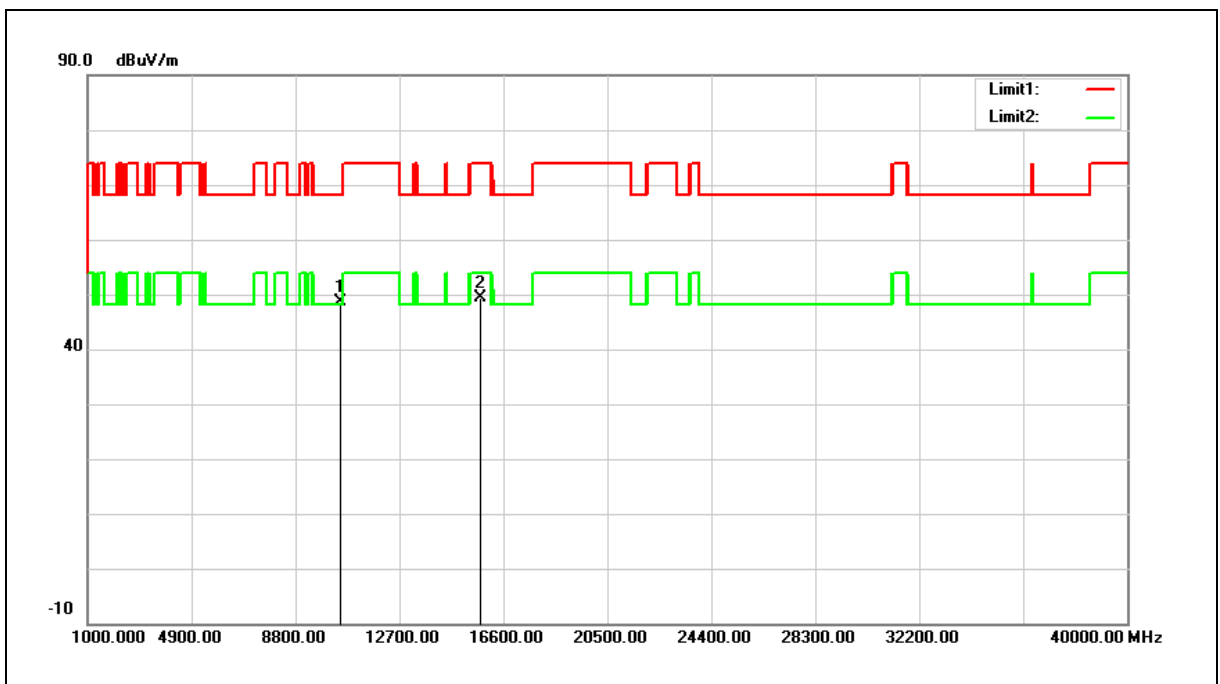
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	29.94	16.94	46.88	68.20	-21.32	peak
2	15600.000	28.84	18.87	47.71	74.00	-26.29	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



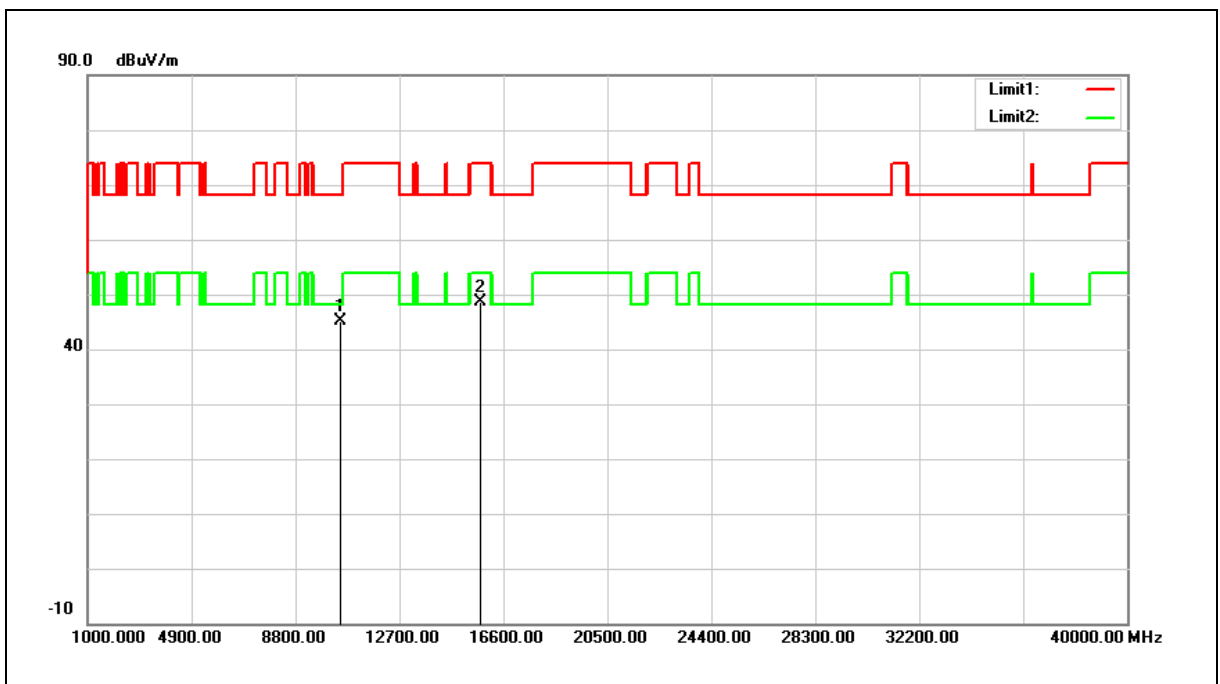
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	31.51	17.23	48.74	68.20	-19.46	peak
2	15720.000	30.74	18.57	49.31	74.00	-24.69	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



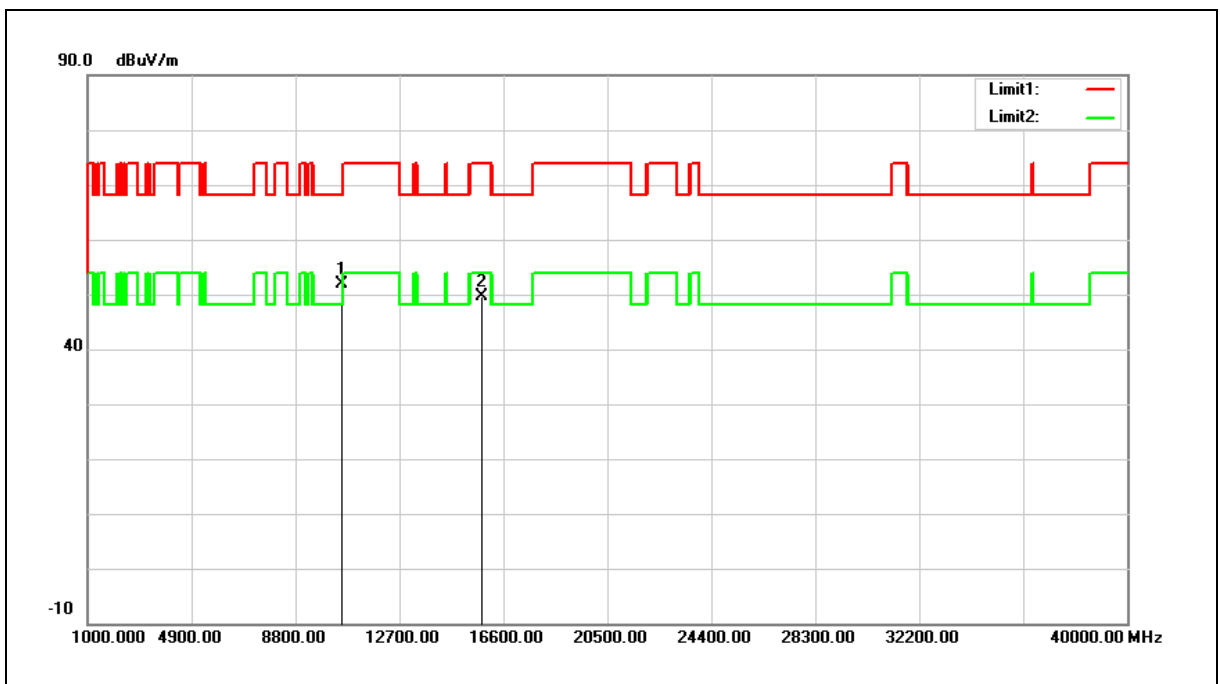
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	27.87	17.23	45.10	68.20	-23.10	peak
2	15720.000	30.03	18.57	48.60	74.00	-25.40	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



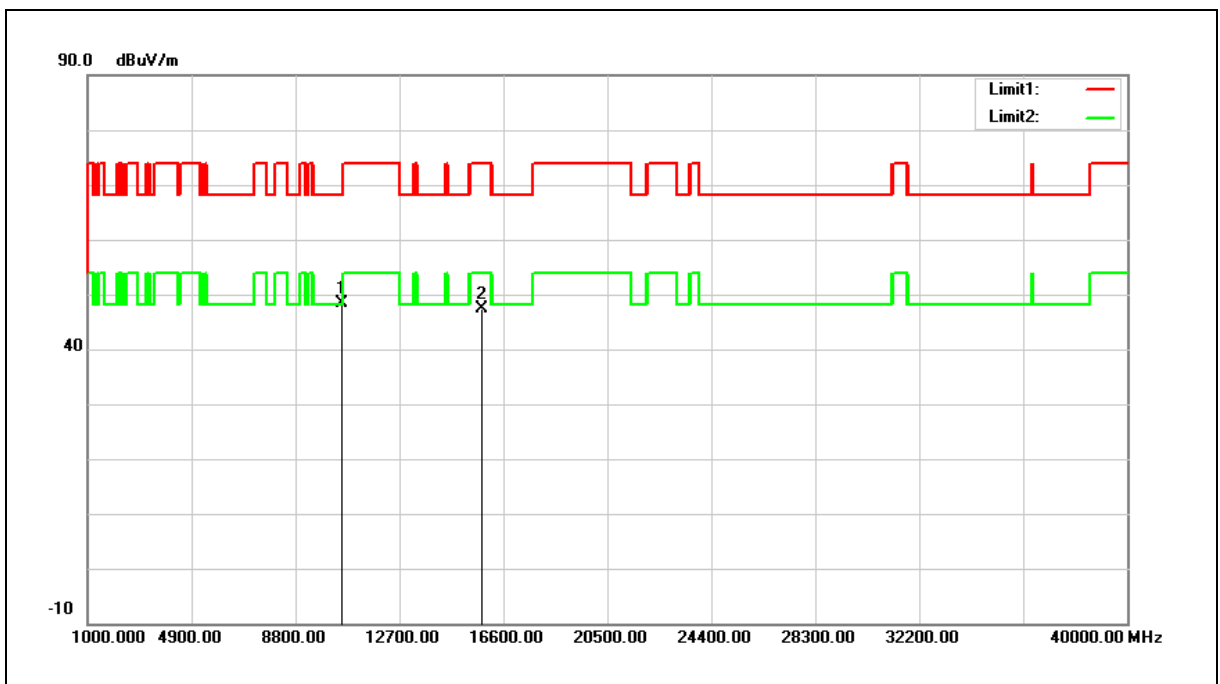
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	34.46	17.35	51.81	68.20	-16.39	peak
2	15780.000	31.30	18.41	49.71	74.00	-24.29	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



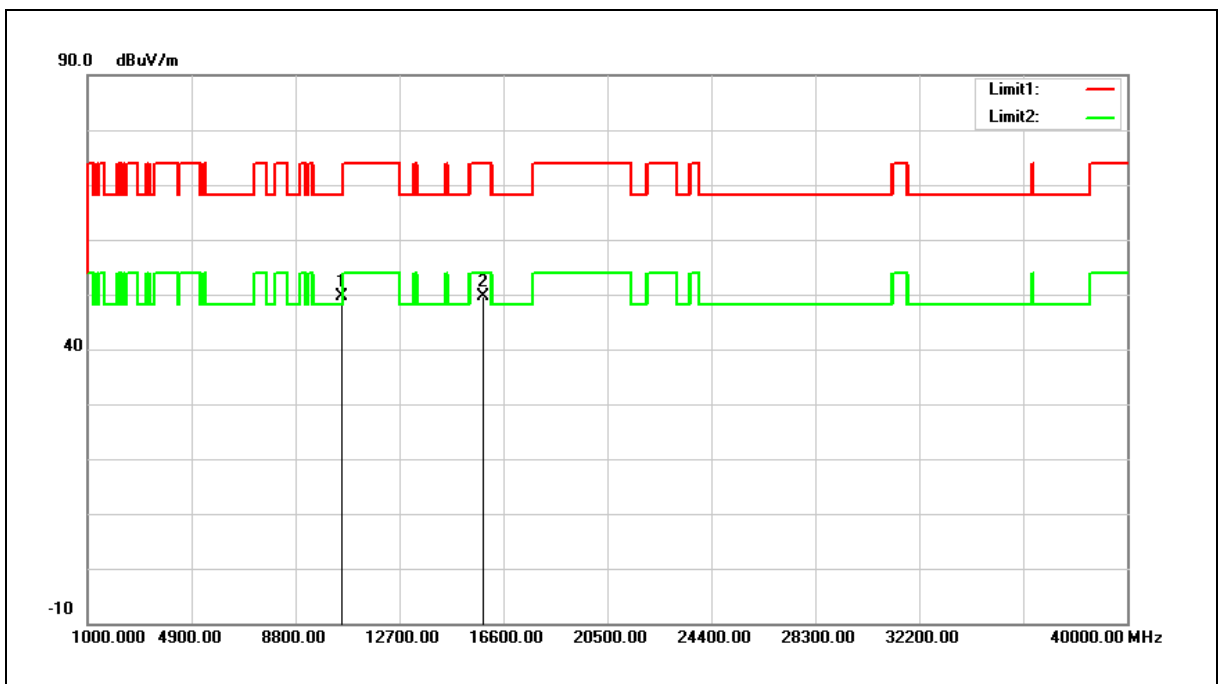
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	30.95	17.35	48.30	68.20	-19.90	peak
2	15780.000	28.98	18.41	47.39	74.00	-26.61	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



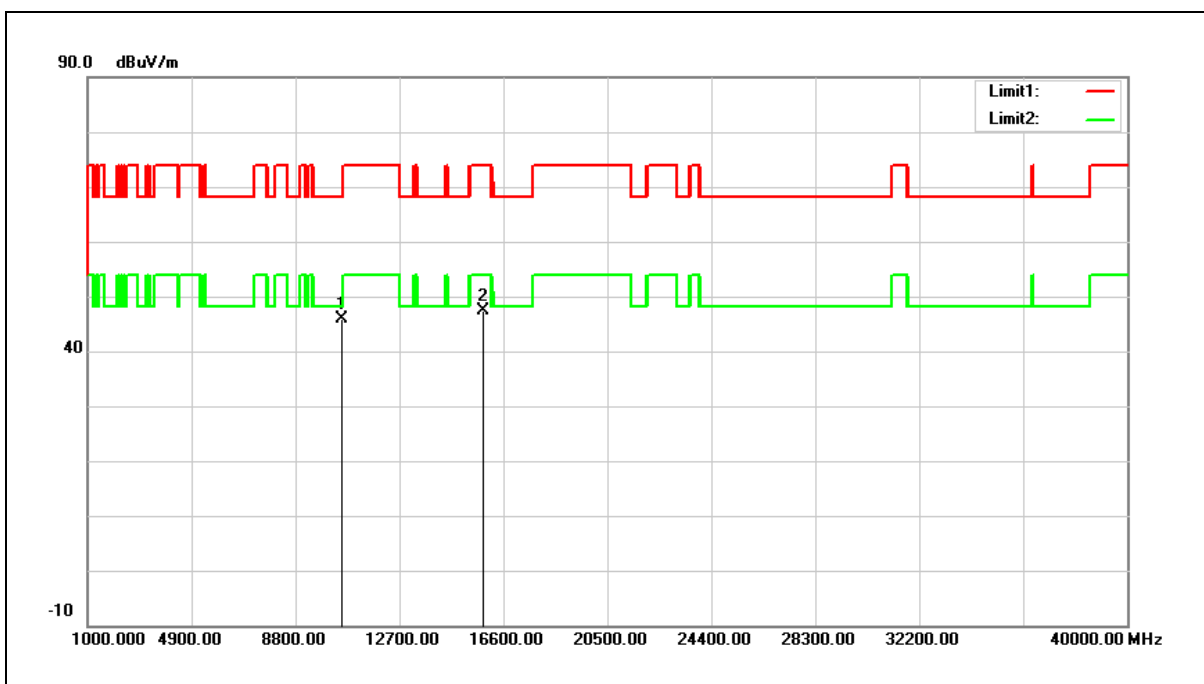
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	32.22	17.44	49.66	68.20	-18.54	peak
2	15840.000	31.38	18.26	49.64	74.00	-24.36	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



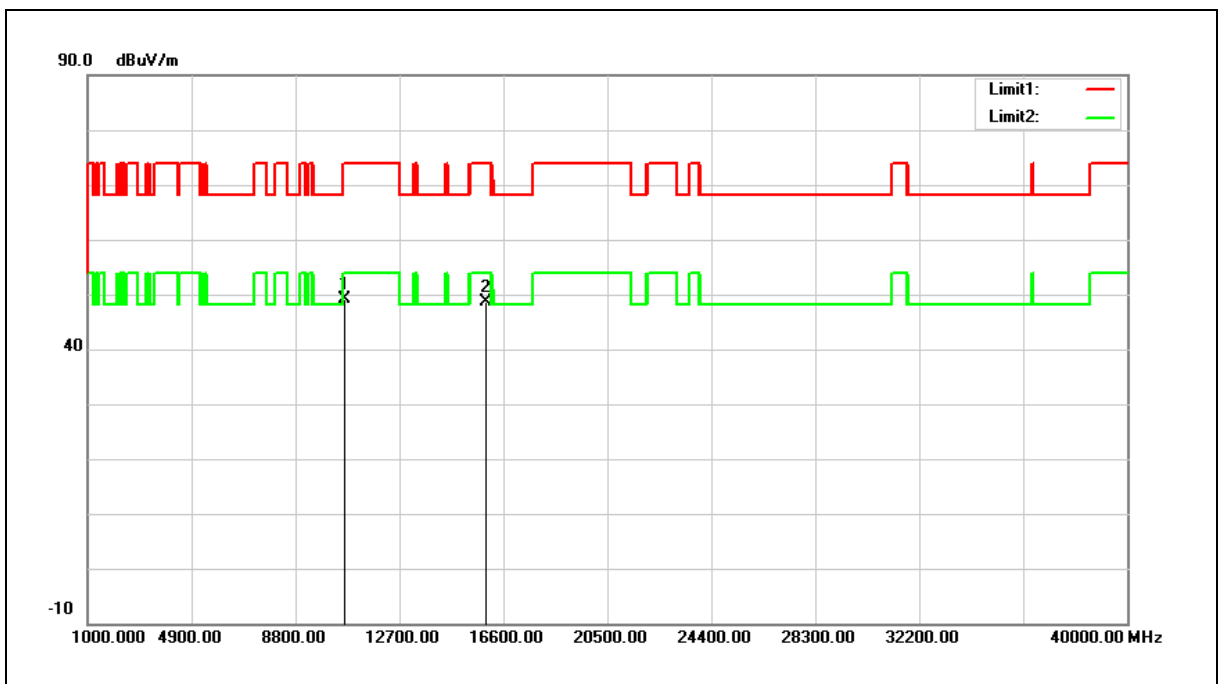
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	28.53	17.44	45.97	68.20	-22.23	peak
2	15840.000	29.11	18.26	47.37	74.00	-26.63	peak

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:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



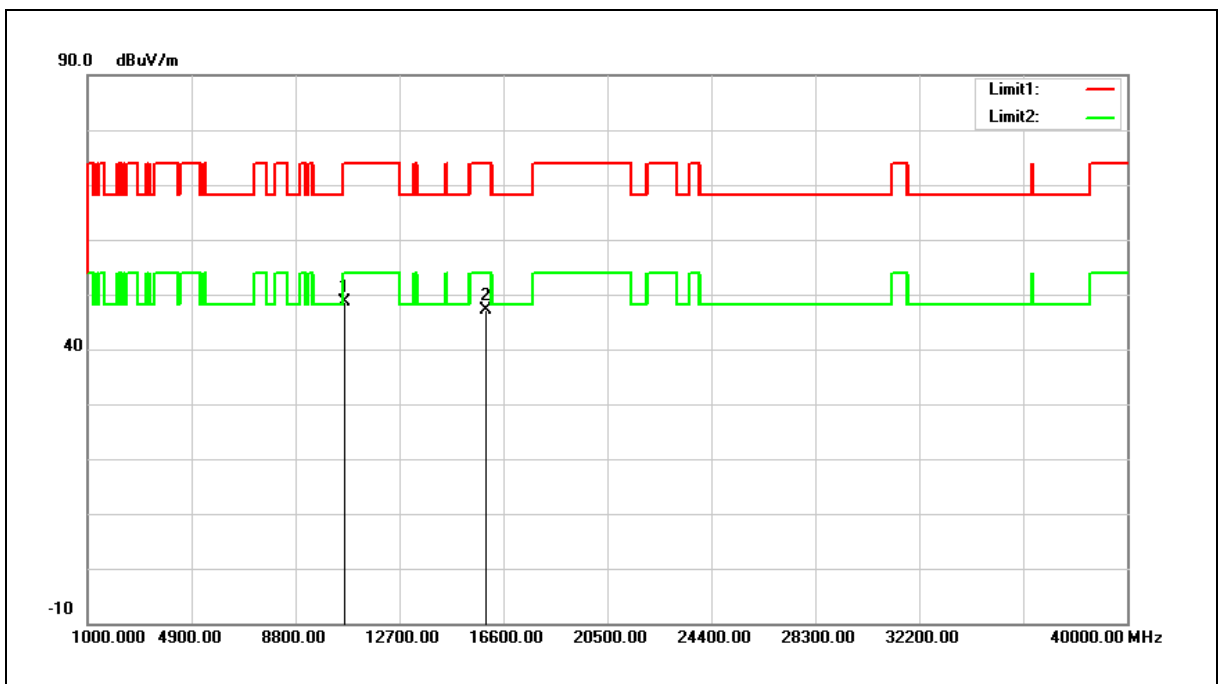
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	31.47	17.64	49.11	74.00	-24.89	peak
2	15960.000	30.72	17.95	48.67	74.00	-25.33	peak

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:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



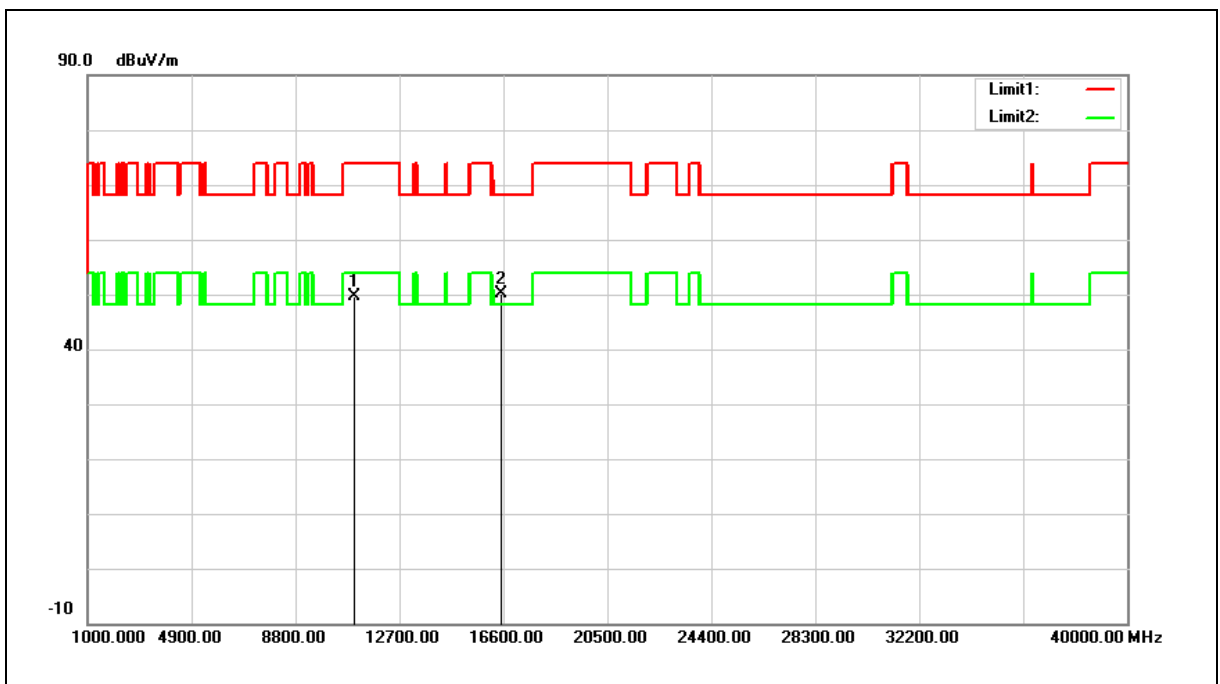
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	30.99	17.64	48.63	74.00	-25.37	peak
2	15960.000	29.23	17.95	47.18	74.00	-26.82	peak

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:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



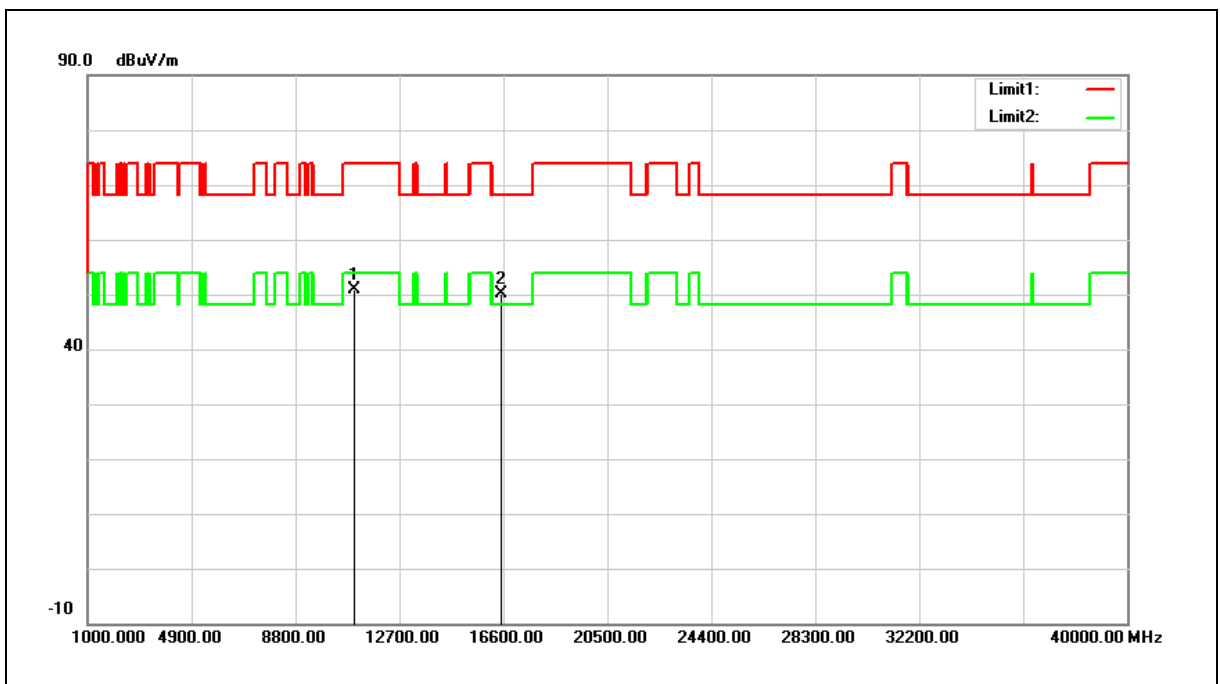
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	31.12	18.49	49.61	74.00	-24.39	peak
2	16500.000	29.23	20.78	50.01	68.20	-18.19	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



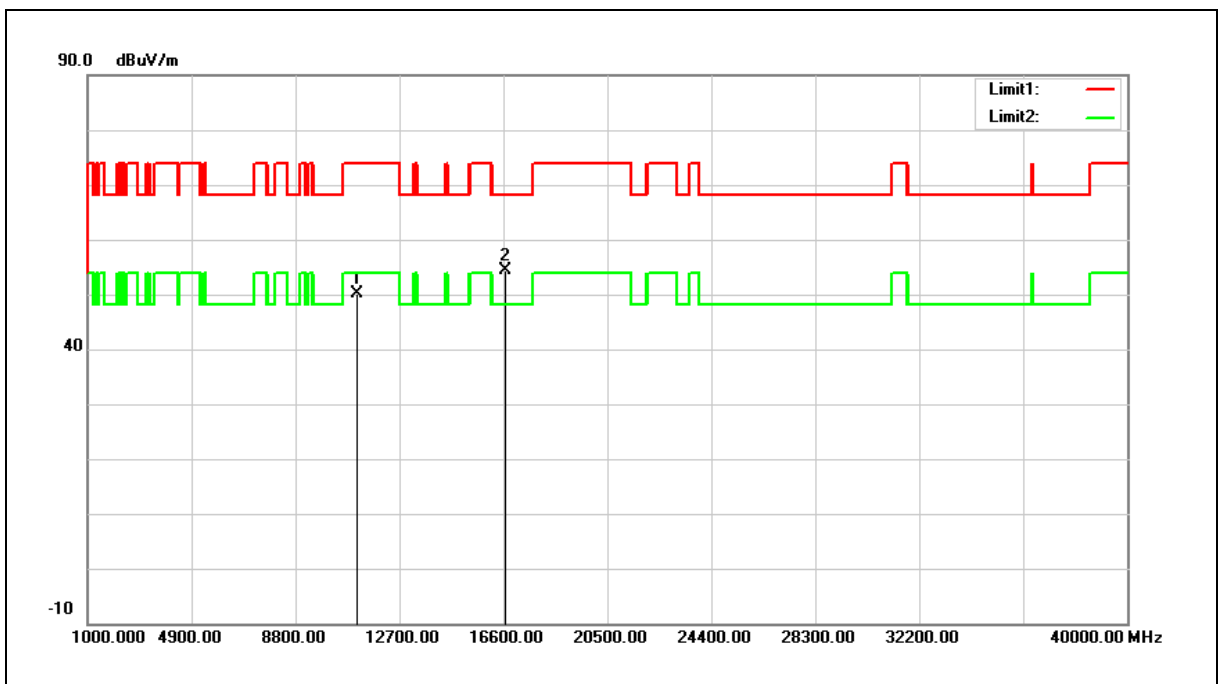
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	32.28	18.49	50.77	74.00	-23.23	peak
2	16500.000	29.43	20.78	50.21	68.20	-17.99	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



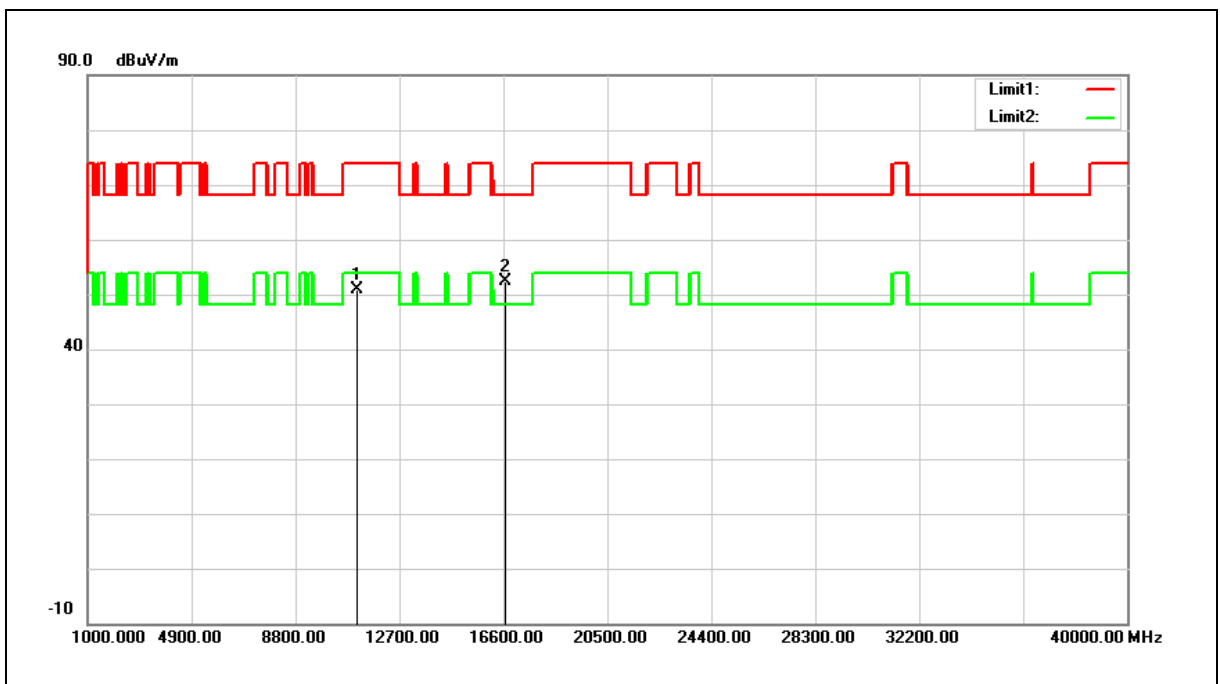
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	31.55	18.49	50.04	74.00	-23.96	peak
2	16680.000	32.74	21.66	54.40	68.20	-13.80	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



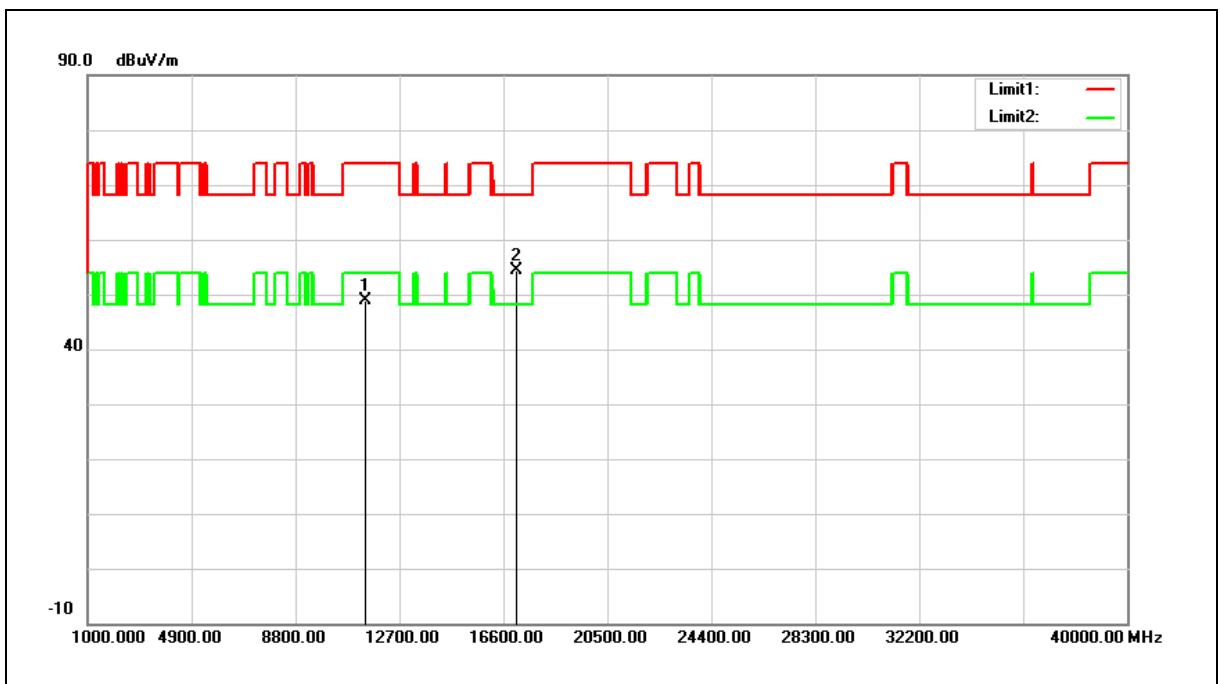
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	32.44	18.49	50.93	74.00	-23.07	peak
2	16680.000	30.81	21.66	52.47	68.20	-15.73	peak

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
Frequency:	5700 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



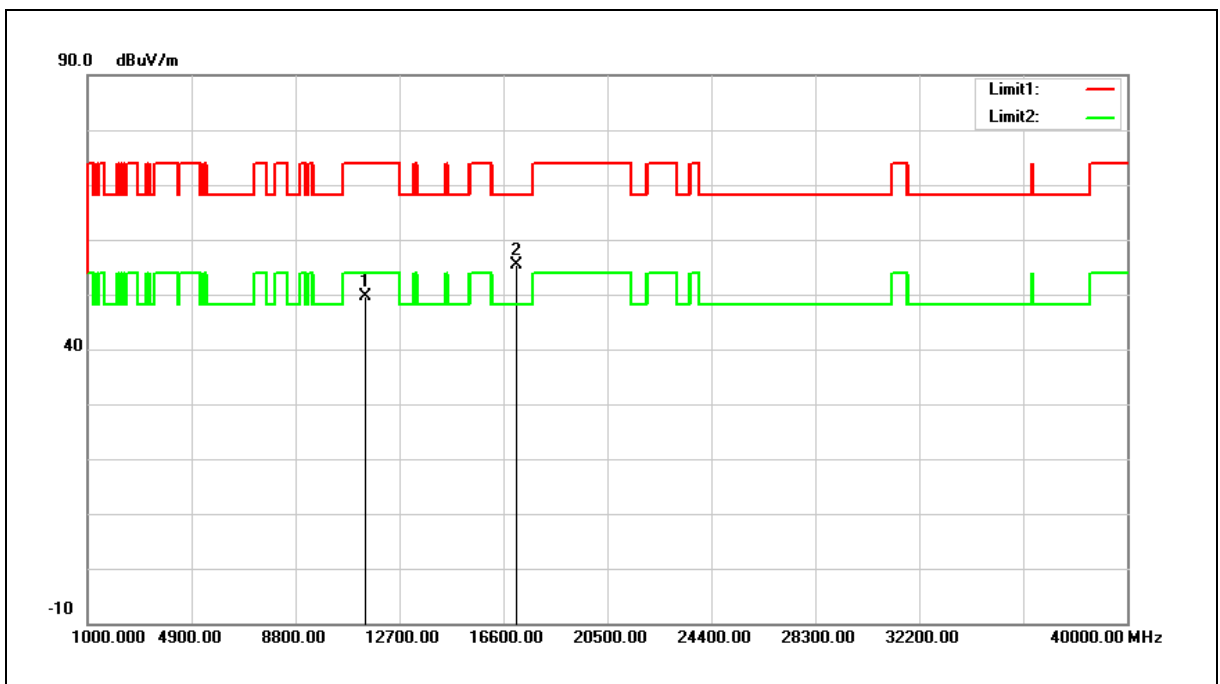
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	30.36	18.46	48.82	74.00	-25.18	peak
2	17100.000	30.85	23.62	54.47	68.20	-13.73	peak

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
Frequency:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



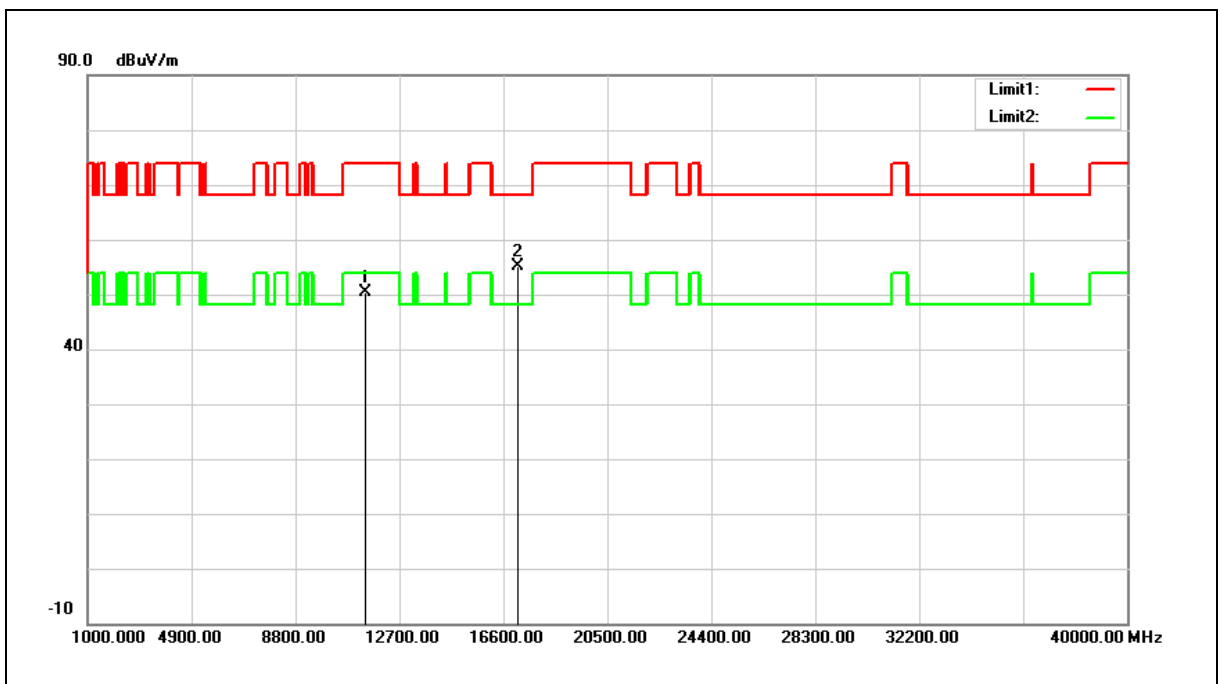
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	31.24	18.46	49.70	74.00	-24.30	peak
2	17100.000	31.65	23.62	55.27	68.20	-12.93	peak

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:	5720 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



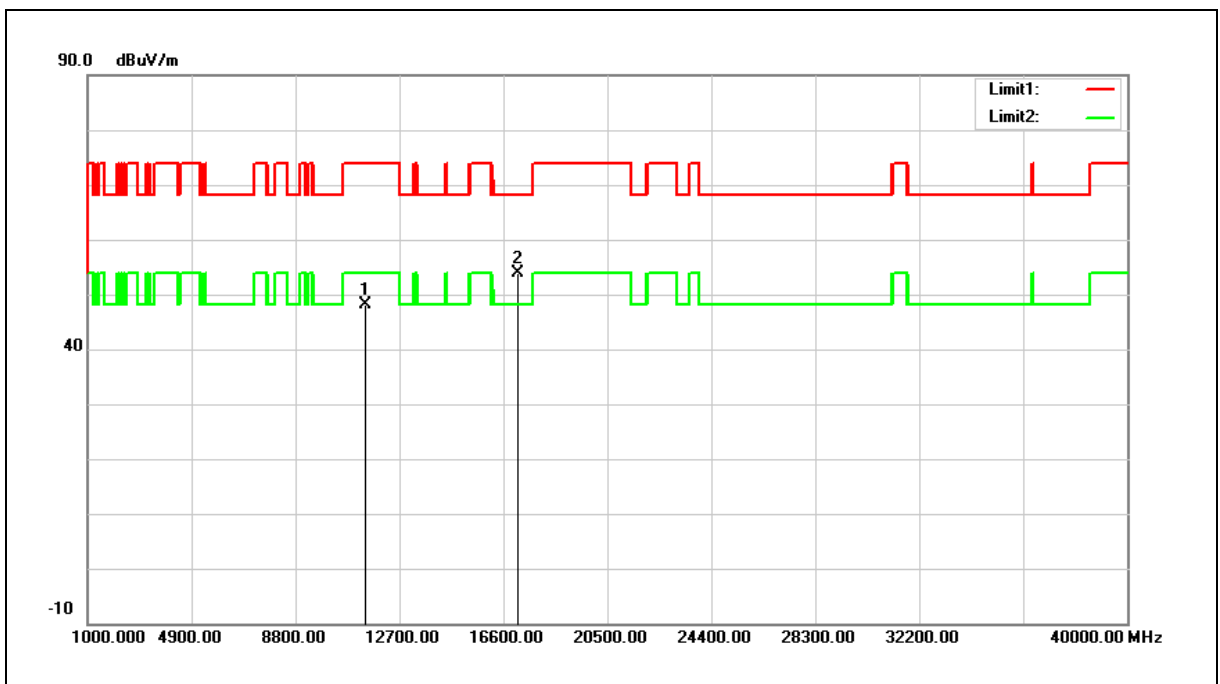
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11440.000	31.85	18.46	50.31	74.00	-23.69	peak
2	17160.000	31.29	23.88	55.17	68.20	-13.03	peak

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
Frequency:	5720 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



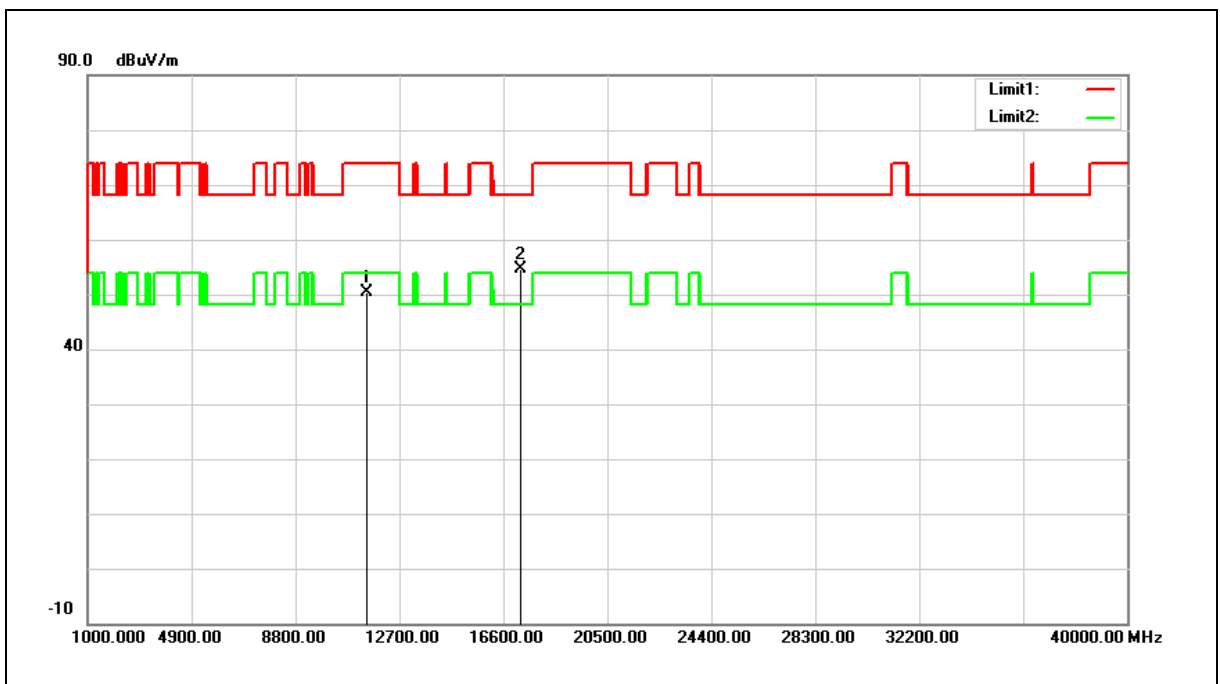
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11440.000	29.63	18.46	48.09	74.00	-25.91	peak
2	17160.000	30.02	23.88	53.90	68.20	-14.30	peak

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:	5745 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



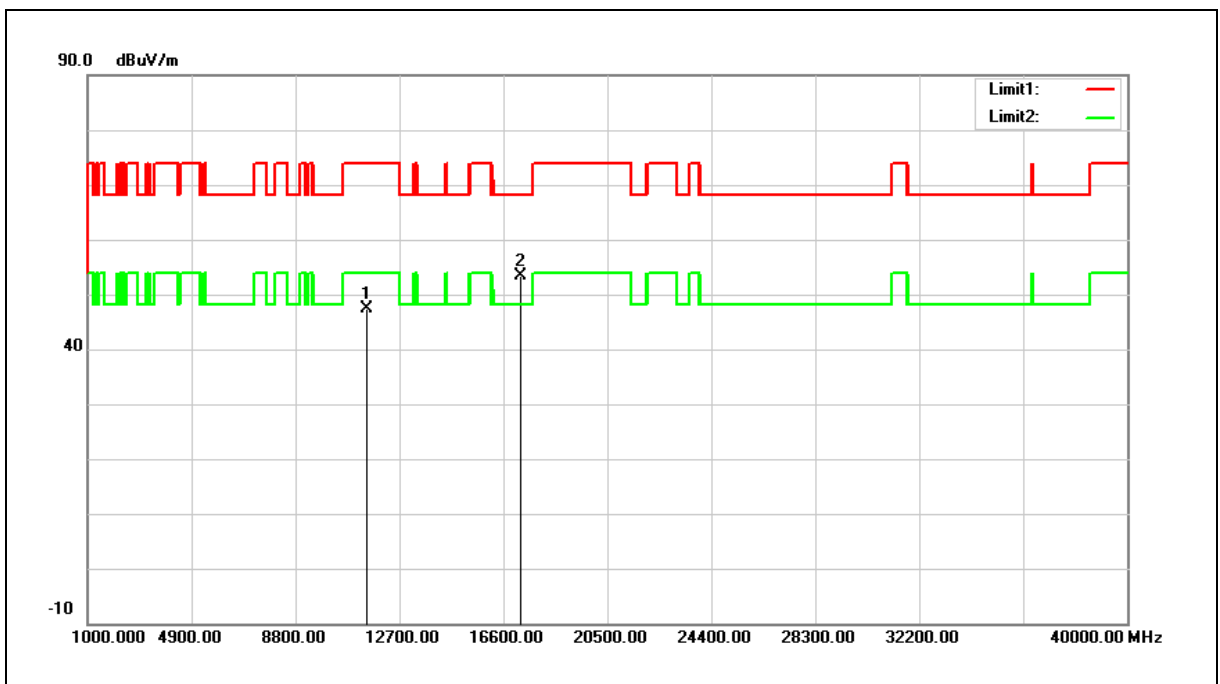
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	31.93	18.46	50.39	74.00	-23.61	peak
2	17235.000	30.56	24.18	54.74	68.20	-13.46	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5745 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



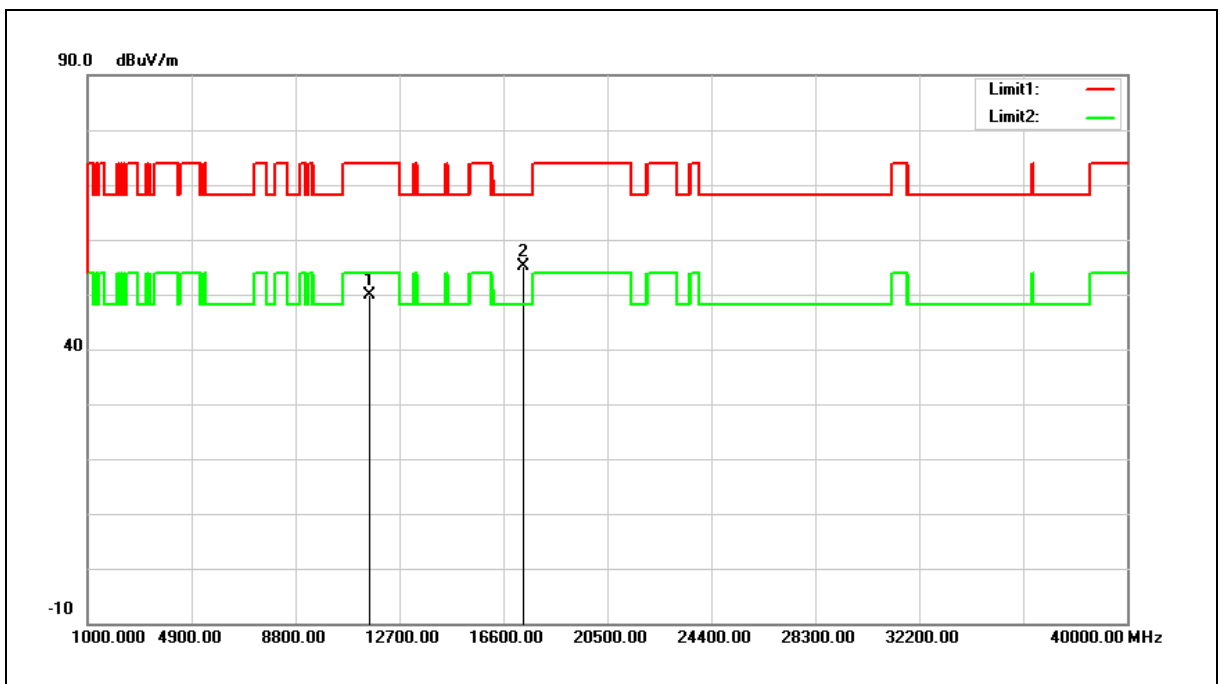
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	28.95	18.46	47.41	74.00	-26.59	peak
2	17235.000	29.23	24.18	53.41	68.20	-14.79	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5785 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



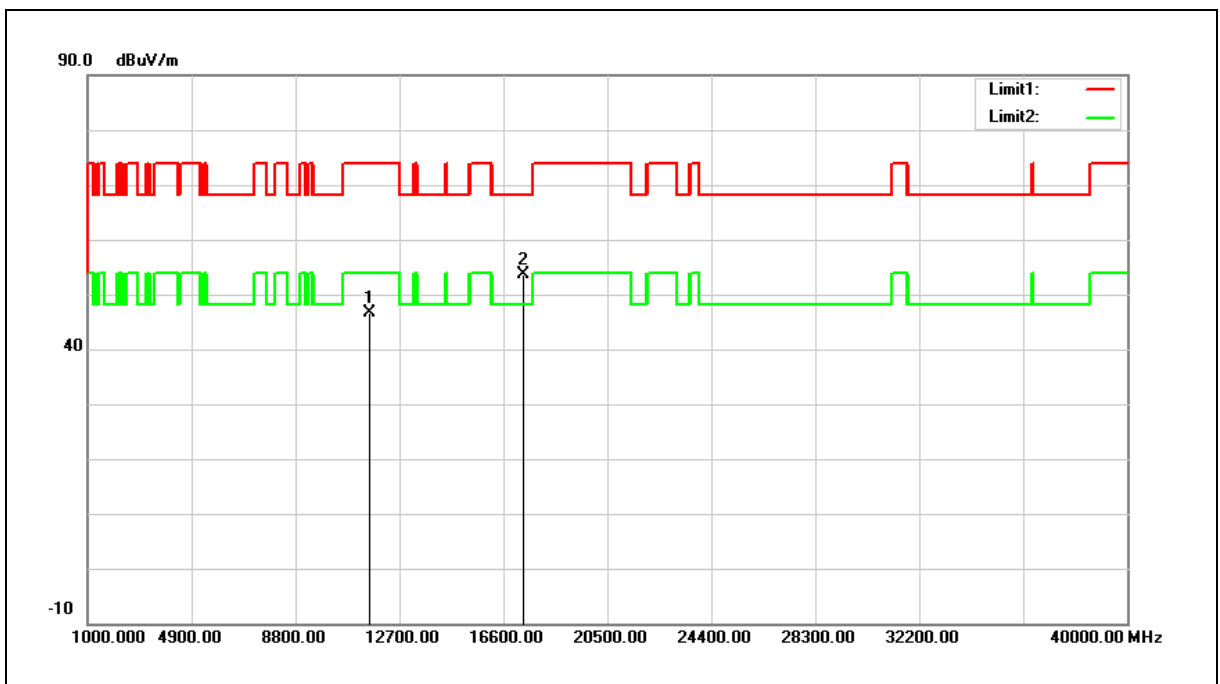
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	31.40	18.37	49.77	74.00	-24.23	peak
2	17355.000	30.41	24.68	55.09	68.20	-13.11	peak

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:	5785 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



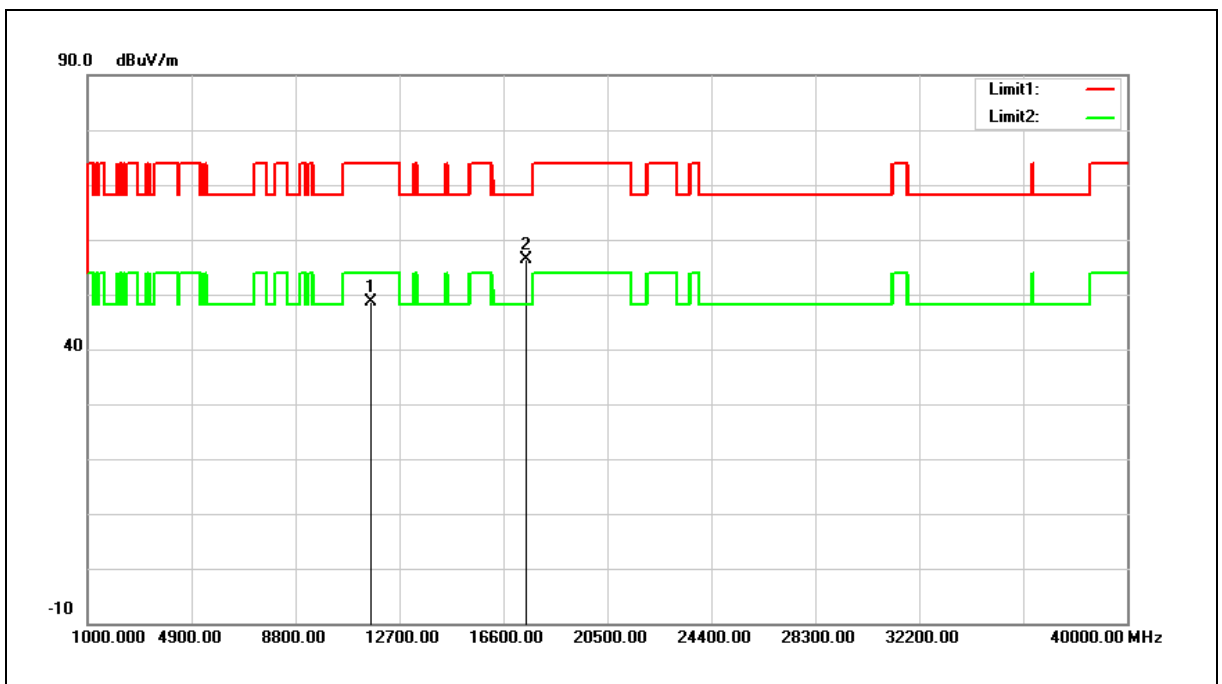
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	28.30	18.37	46.67	74.00	-27.33	peak
2	17355.000	28.83	24.68	53.51	68.20	-14.69	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5825 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



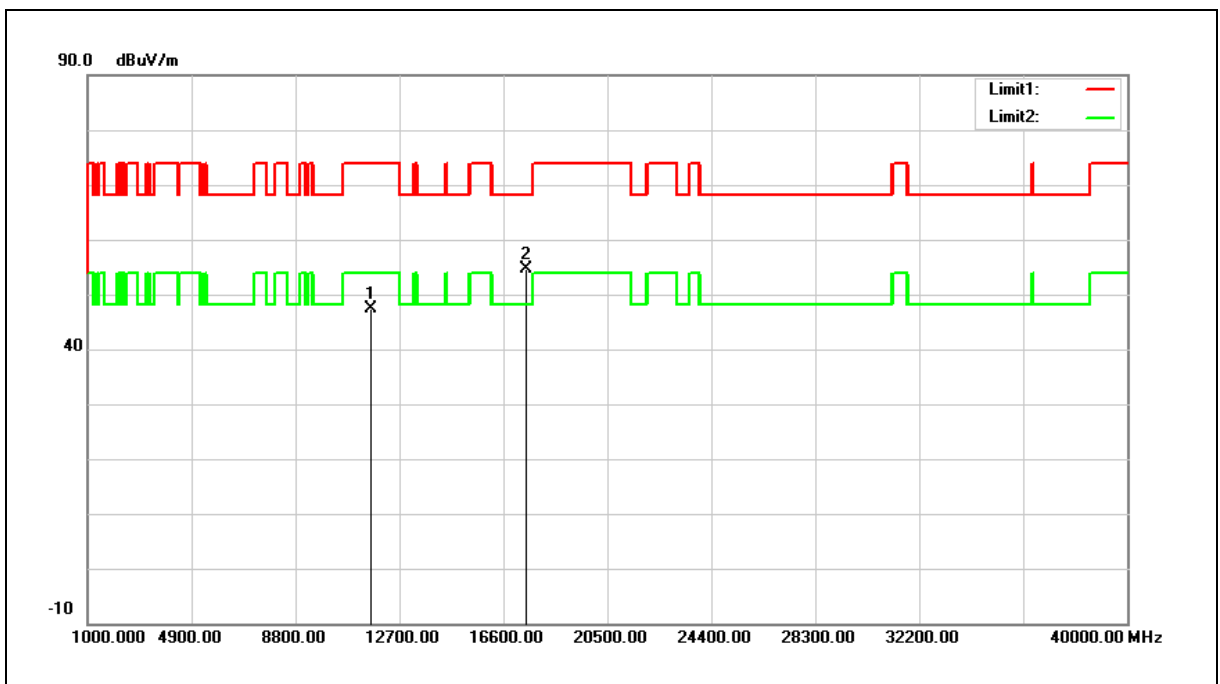
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	30.35	18.28	48.63	74.00	-25.37	peak
2	17475.000	31.23	25.18	56.41	68.20	-11.79	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5825 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



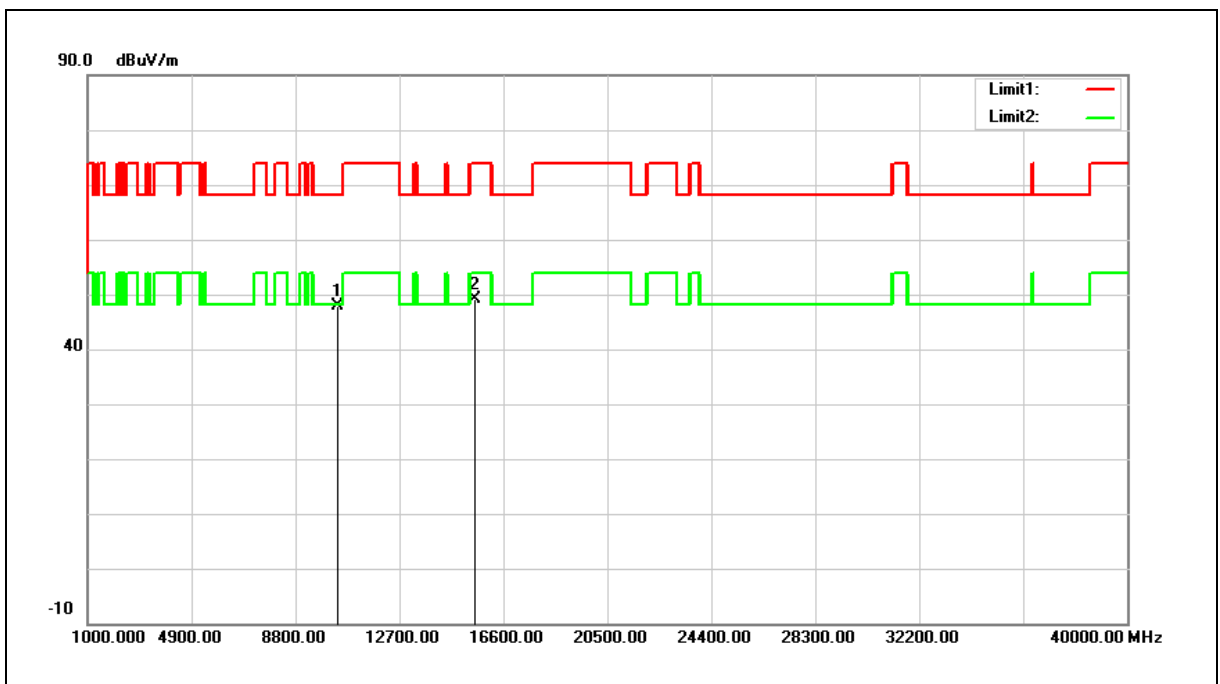
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	29.11	18.28	47.39	74.00	-26.61	peak
2	17475.000	29.57	25.18	54.75	68.20	-13.45	peak

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:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5180 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



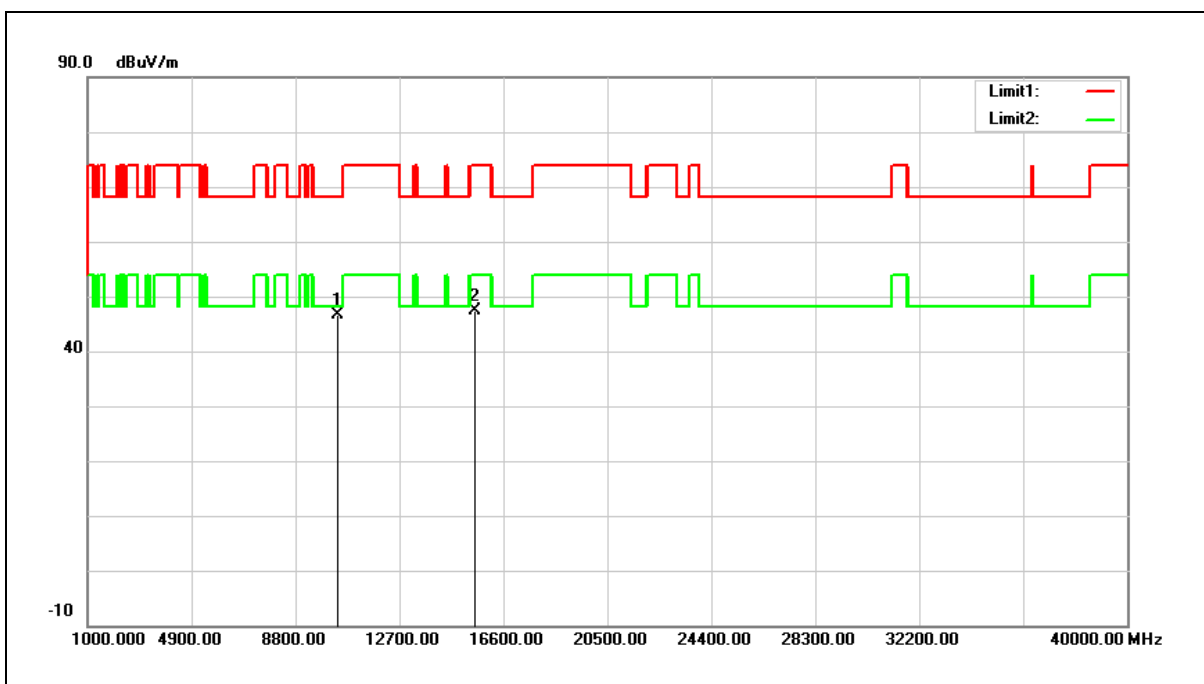
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	31.12	16.79	47.91	68.20	-20.29	peak
2	15540.000	30.18	19.03	49.21	74.00	-24.79	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5180 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		



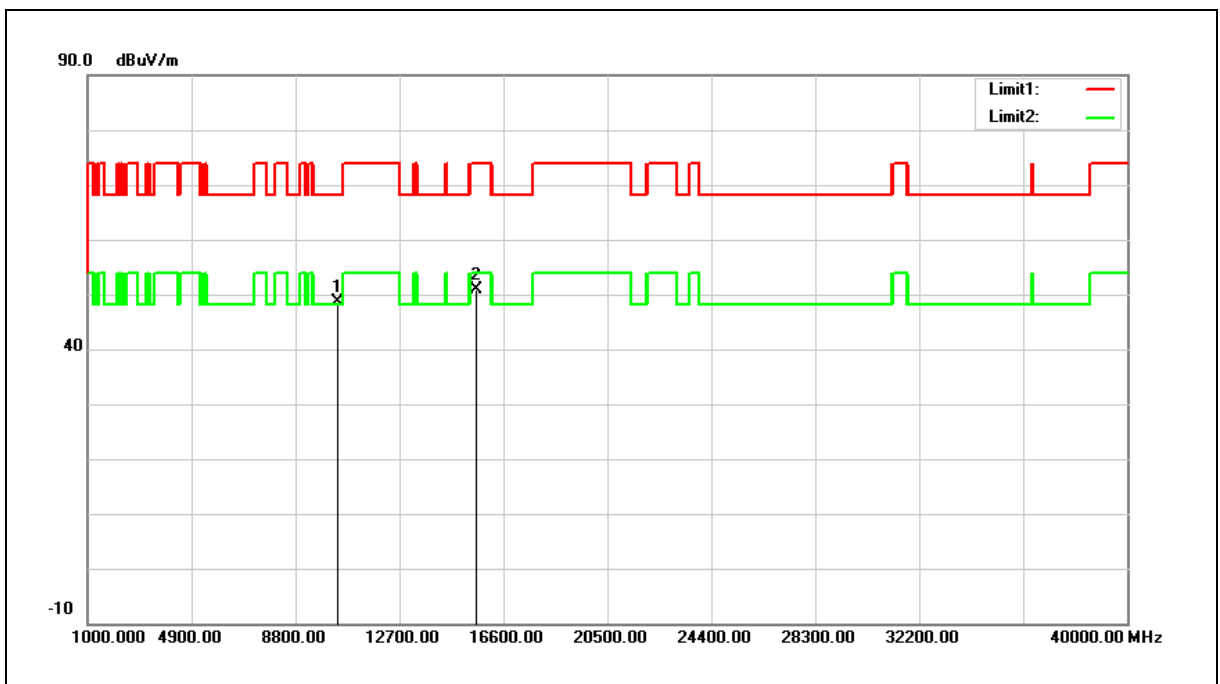
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	29.94	16.79	46.73	68.20	-21.47	peak
2	15540.000	28.45	19.03	47.48	74.00	-26.52	peak

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:	5200 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



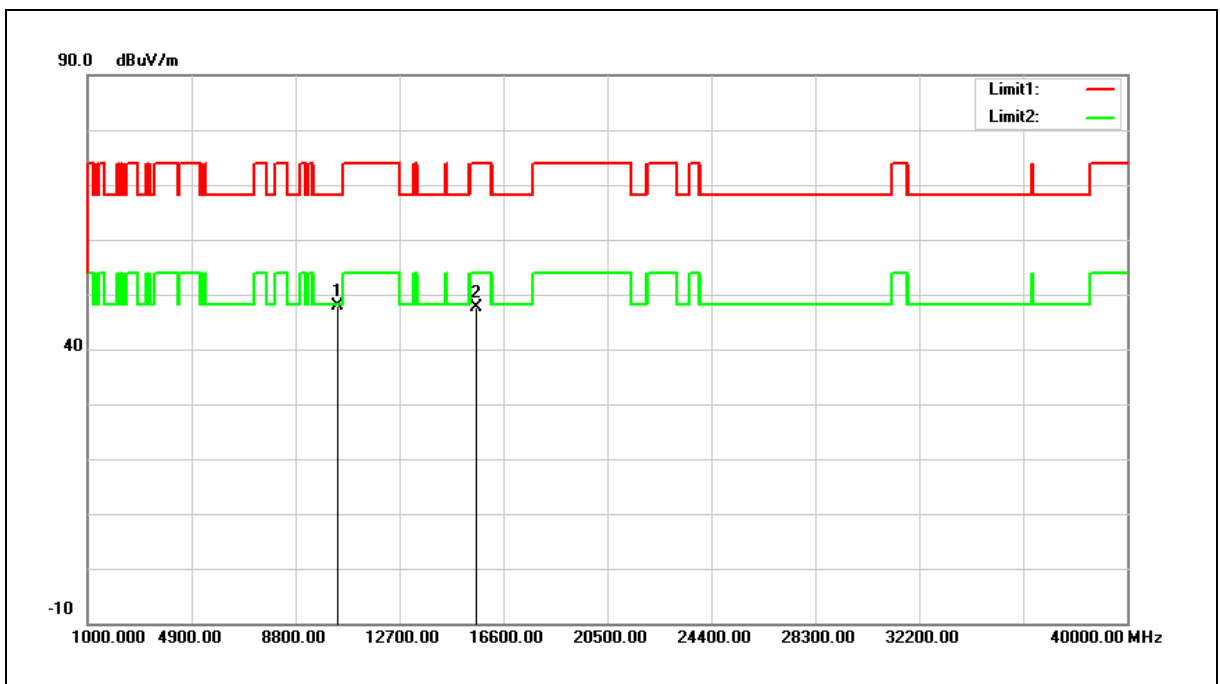
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	31.63	16.94	48.57	68.20	-19.63	peak
2	15600.000	32.05	18.87	50.92	74.00	-23.08	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5200 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		



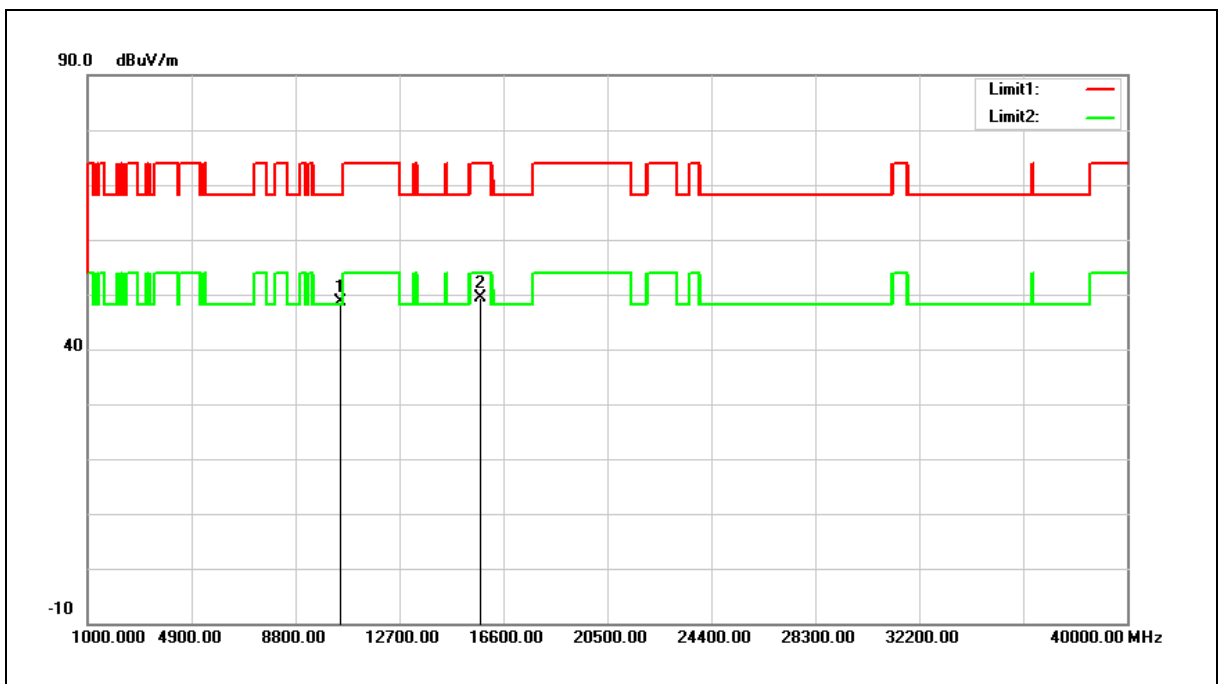
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	30.99	16.94	47.93	68.20	-20.27	peak
2	15600.000	28.67	18.87	47.54	74.00	-26.46	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5240 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



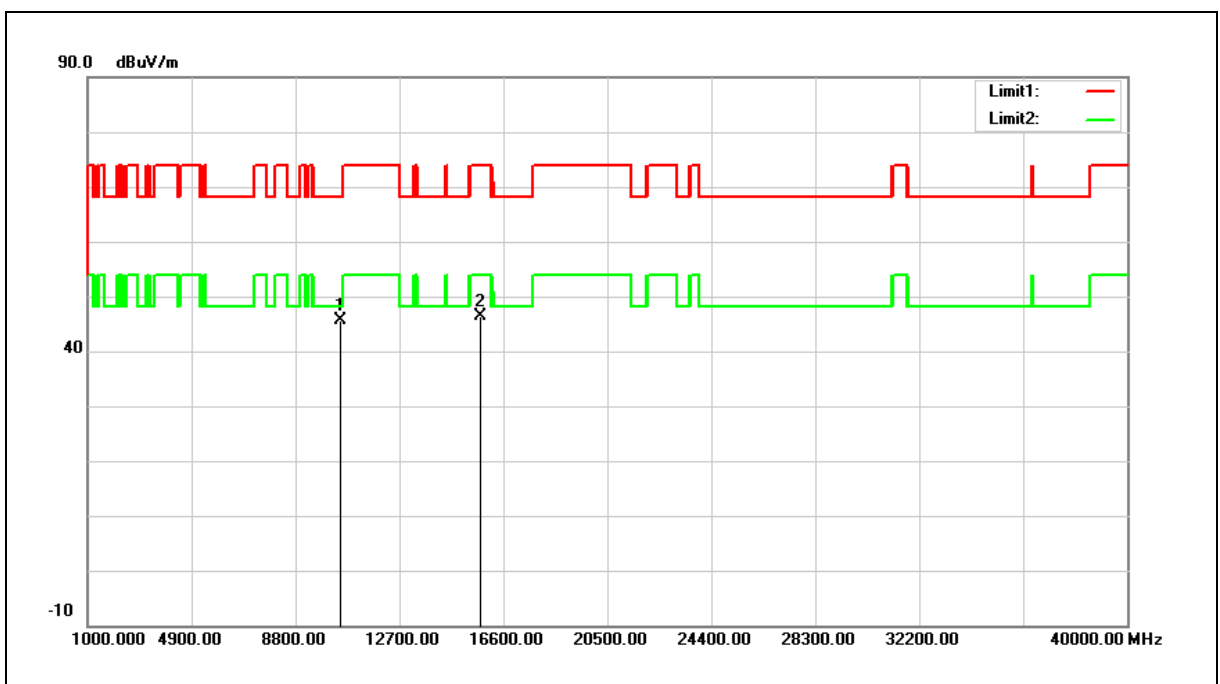
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	31.46	17.23	48.69	68.20	-19.51	peak
2	15720.000	30.90	18.57	49.47	74.00	-24.53	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5240 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		



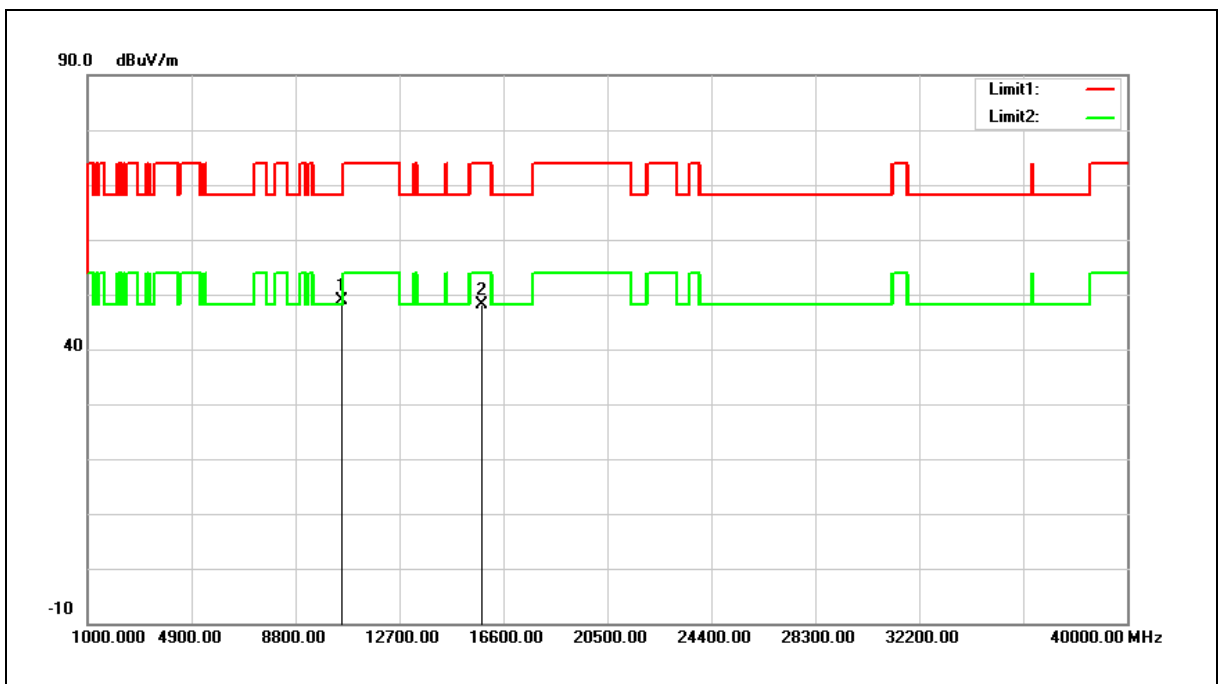
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	28.28	17.23	45.51	68.20	-22.69	peak
2	15720.000	27.81	18.57	46.38	74.00	-27.62	peak

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:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



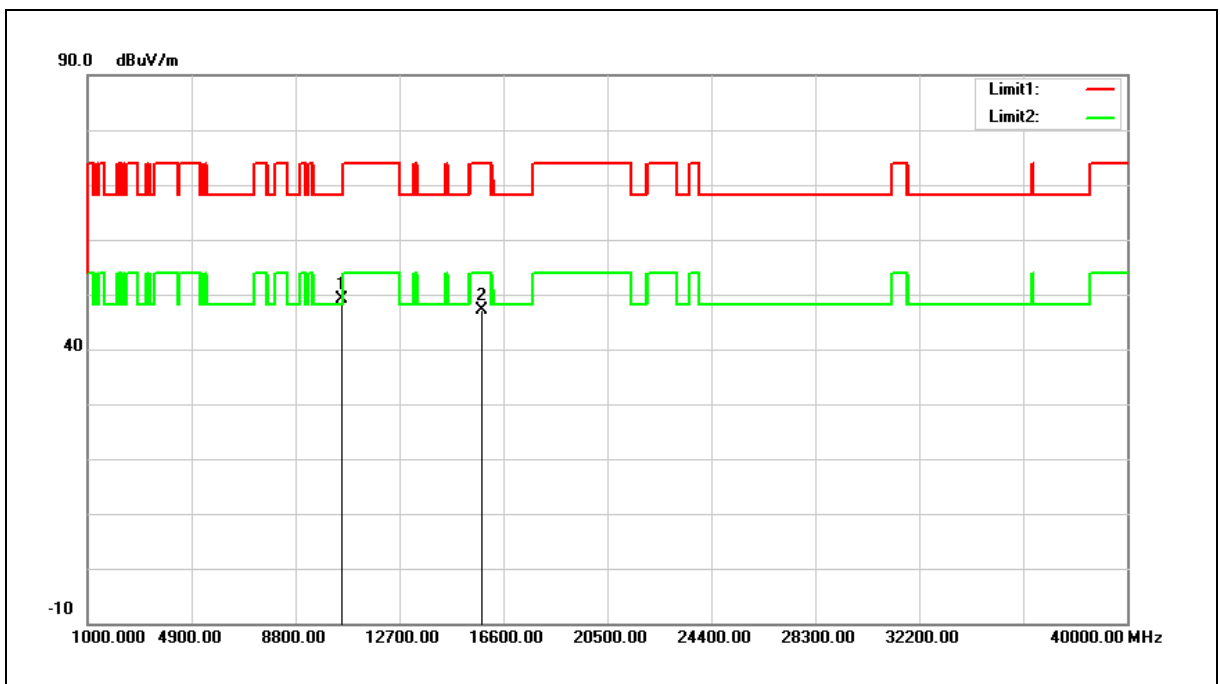
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	31.48	17.35	48.83	68.20	-19.37	peak
2	15780.000	29.79	18.41	48.20	74.00	-25.80	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5260 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		



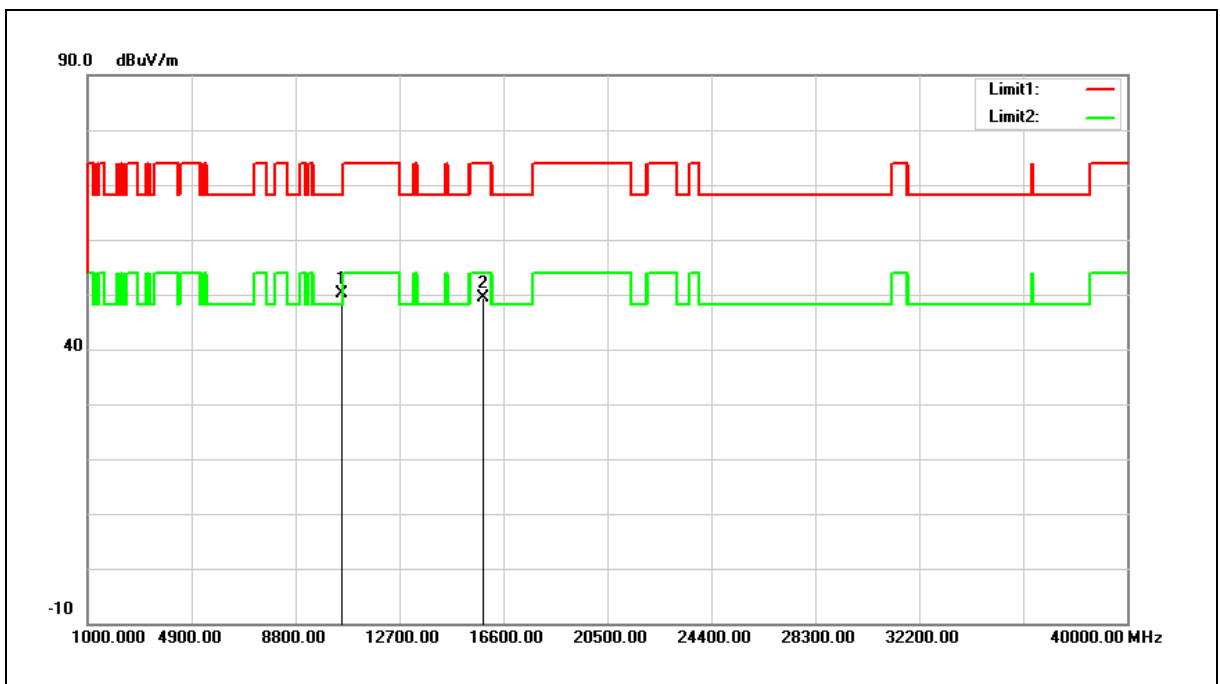
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	31.79	17.35	49.14	68.20	-19.06	peak
2	15780.000	28.75	18.41	47.16	74.00	-26.84	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



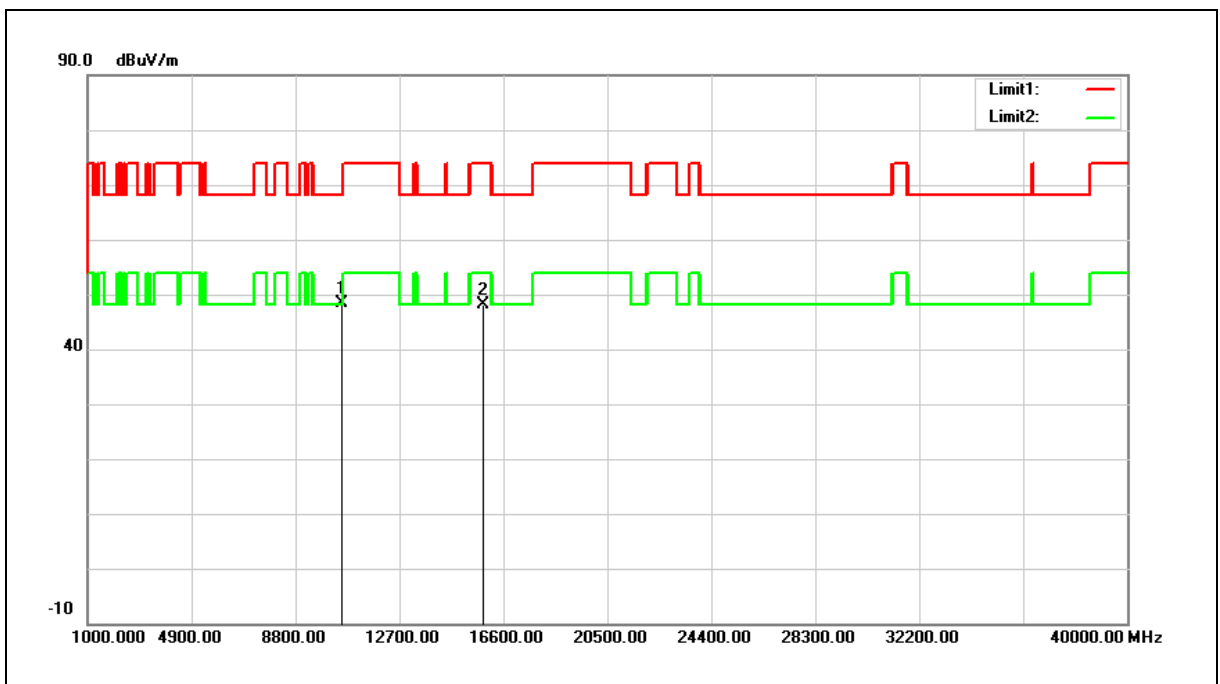
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	32.74	17.44	50.18	68.20	-18.02	peak
2	15840.000	31.18	18.26	49.44	74.00	-24.56	peak

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:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5280 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		



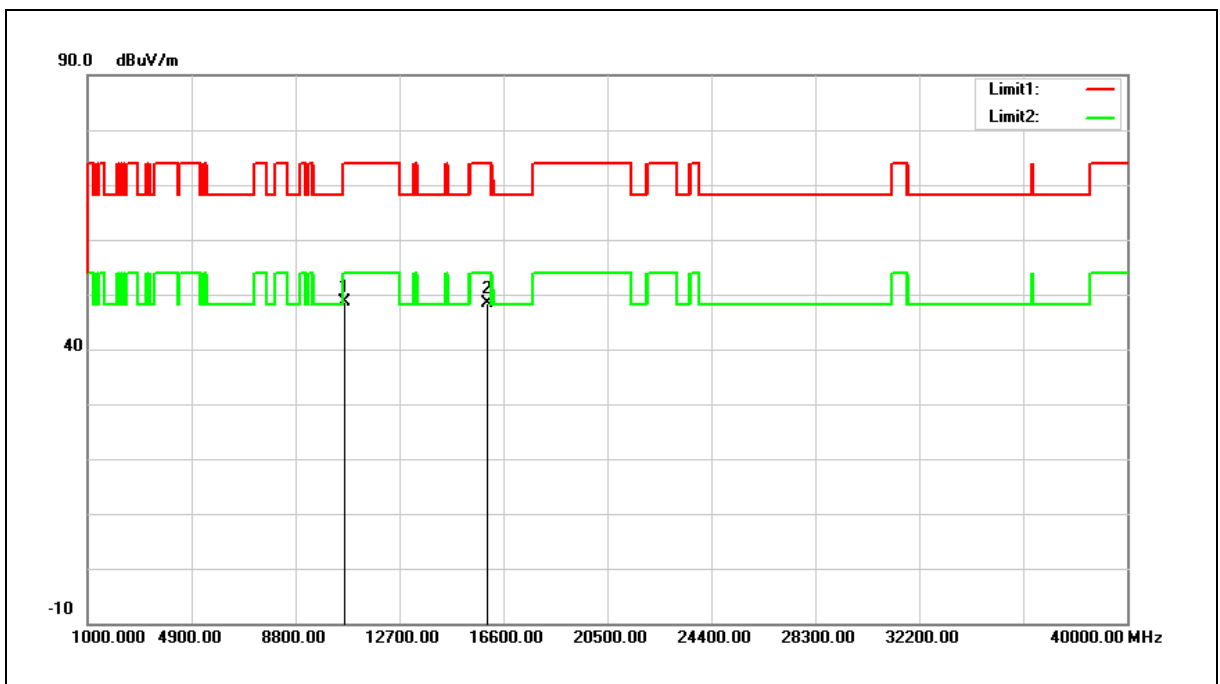
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	31.04	17.44	48.48	68.20	-19.72	peak
2	15840.000	29.83	18.26	48.09	74.00	-25.91	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



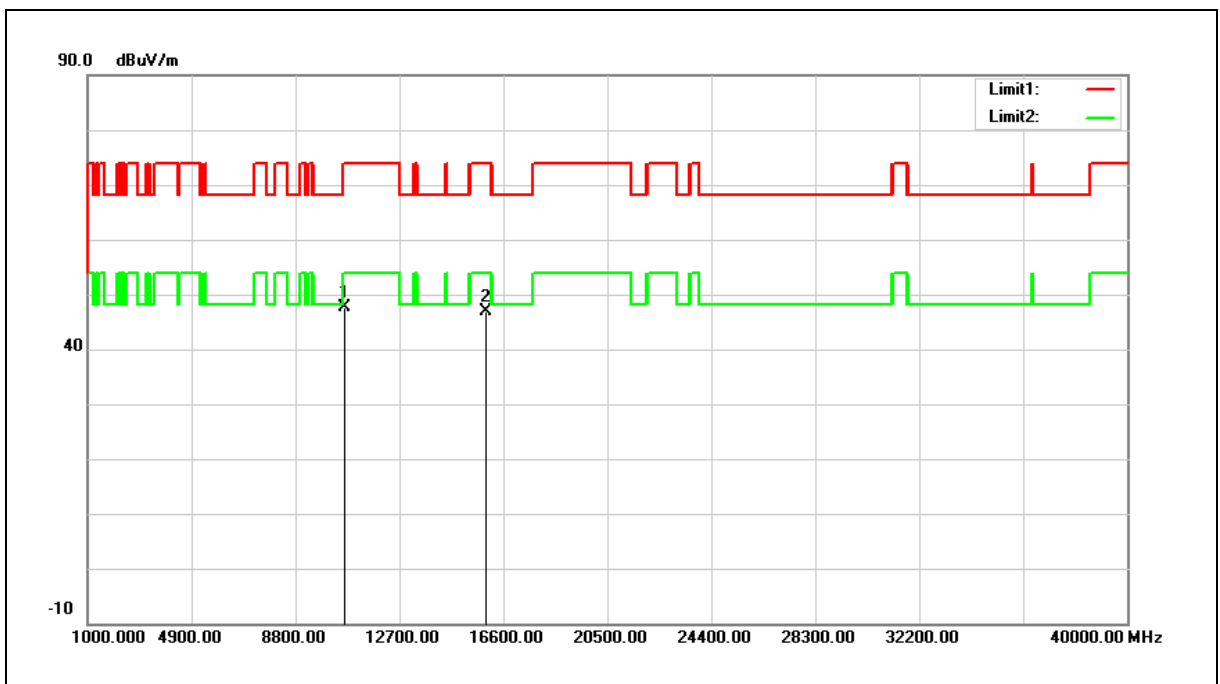
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	31.08	17.64	48.72	74.00	-25.28	peak
2	15960.000	30.34	17.95	48.29	74.00	-25.71	peak

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:	5320 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		



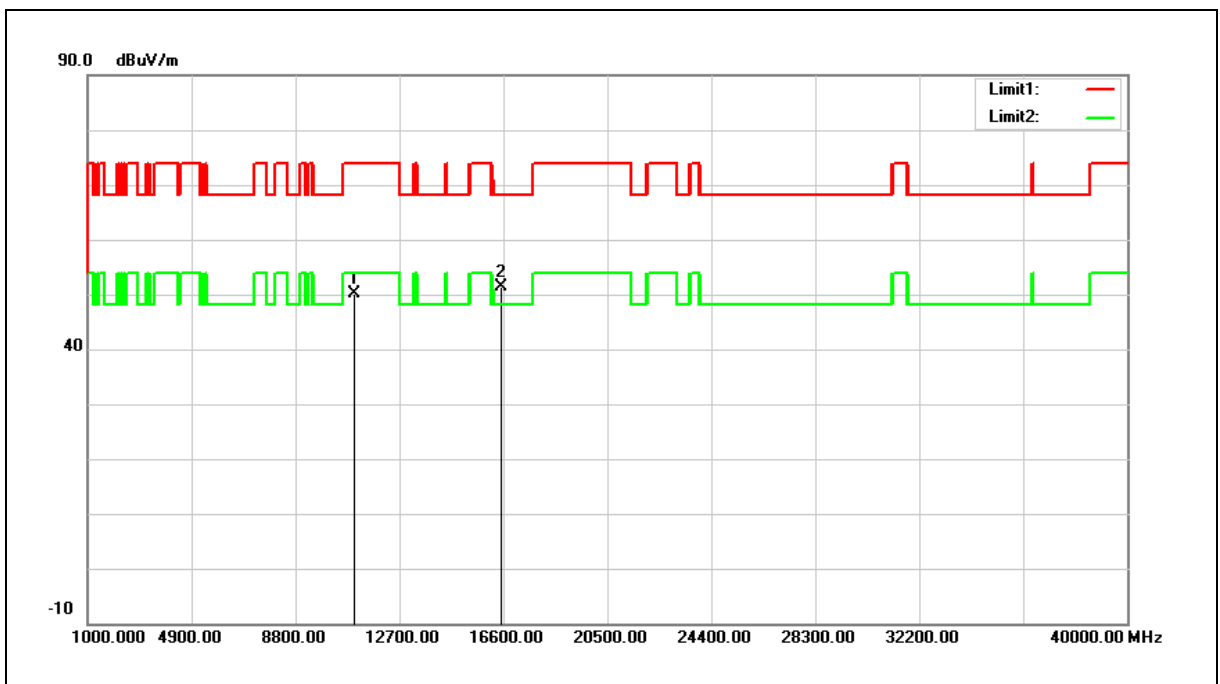
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	30.08	17.64	47.72	74.00	-26.28	peak
2	15960.000	28.85	17.95	46.80	74.00	-27.20	peak

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:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



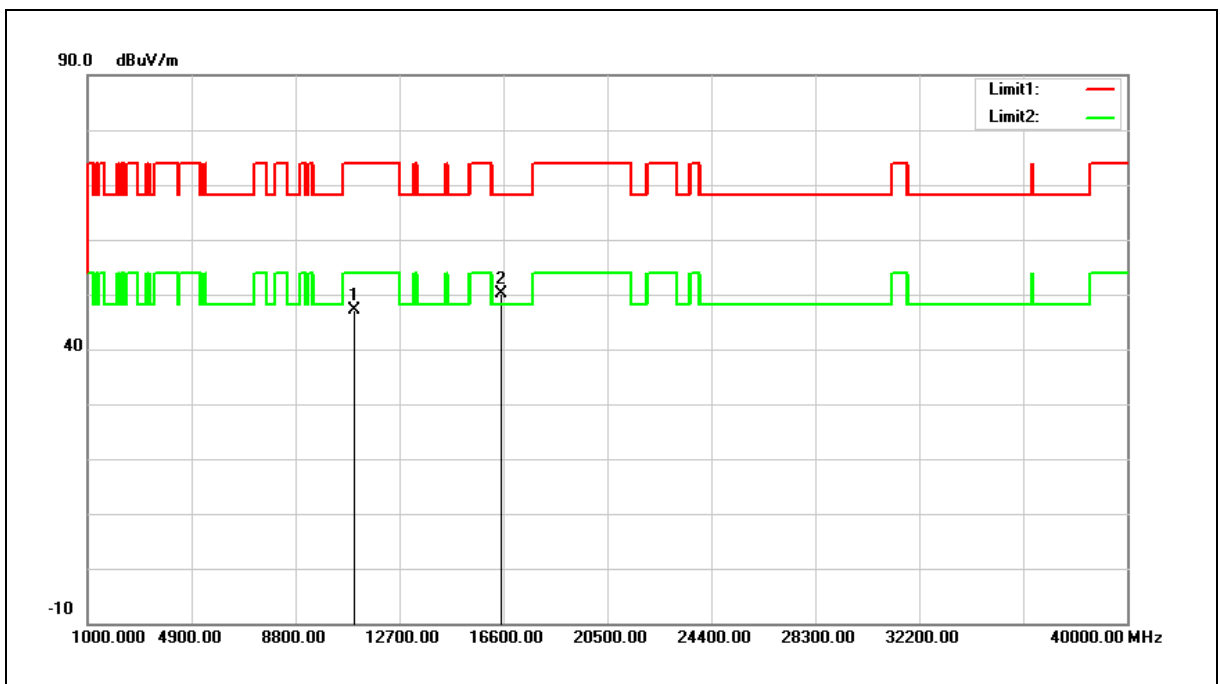
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	31.72	18.49	50.21	74.00	-23.79	peak
2	16500.000	30.49	20.78	51.27	68.20	-16.93	peak

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:	5500 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		



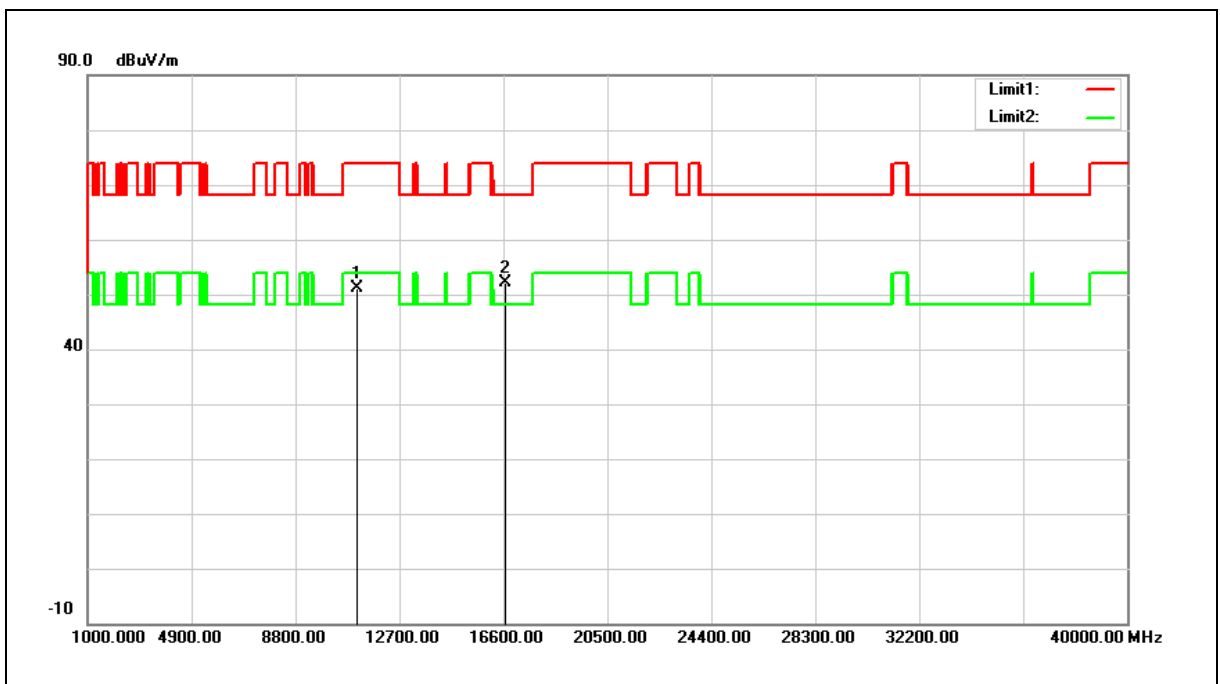
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	28.75	18.49	47.24	74.00	-26.76	peak
2	16500.000	29.27	20.78	50.05	68.20	-18.15	peak

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:	5560 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



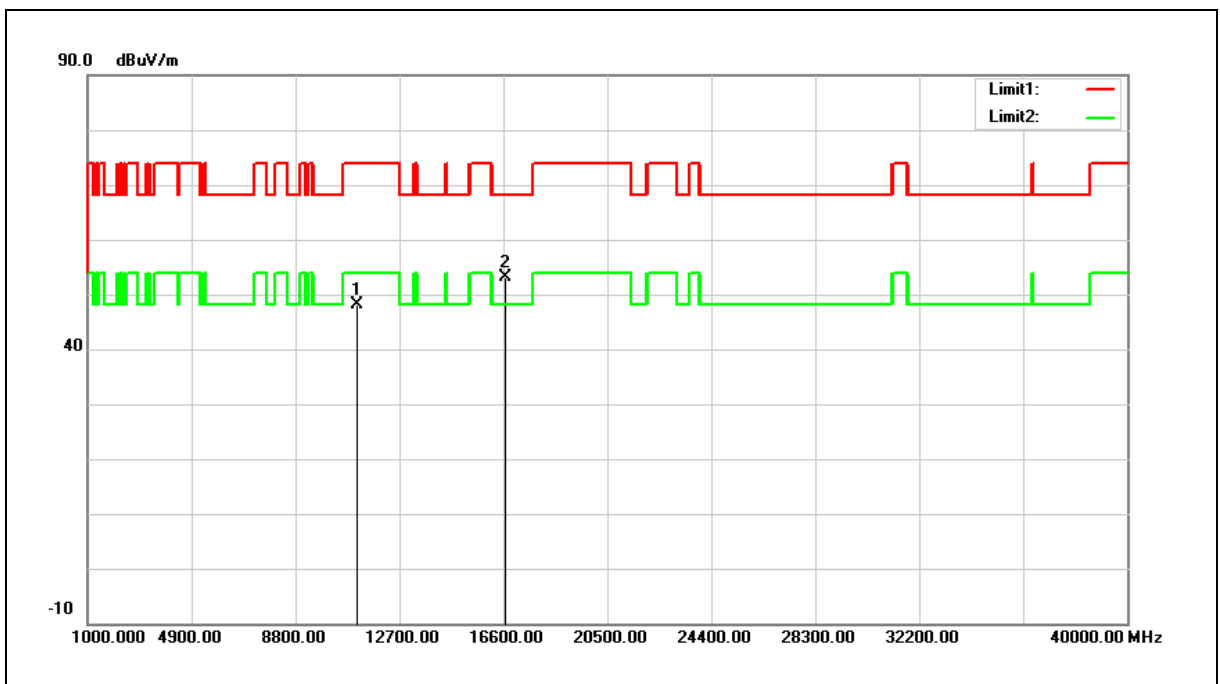
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	32.67	18.49	51.16	74.00	-22.84	peak
2	16680.000	30.44	21.66	52.10	68.20	-16.10	peak

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:	5560 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		



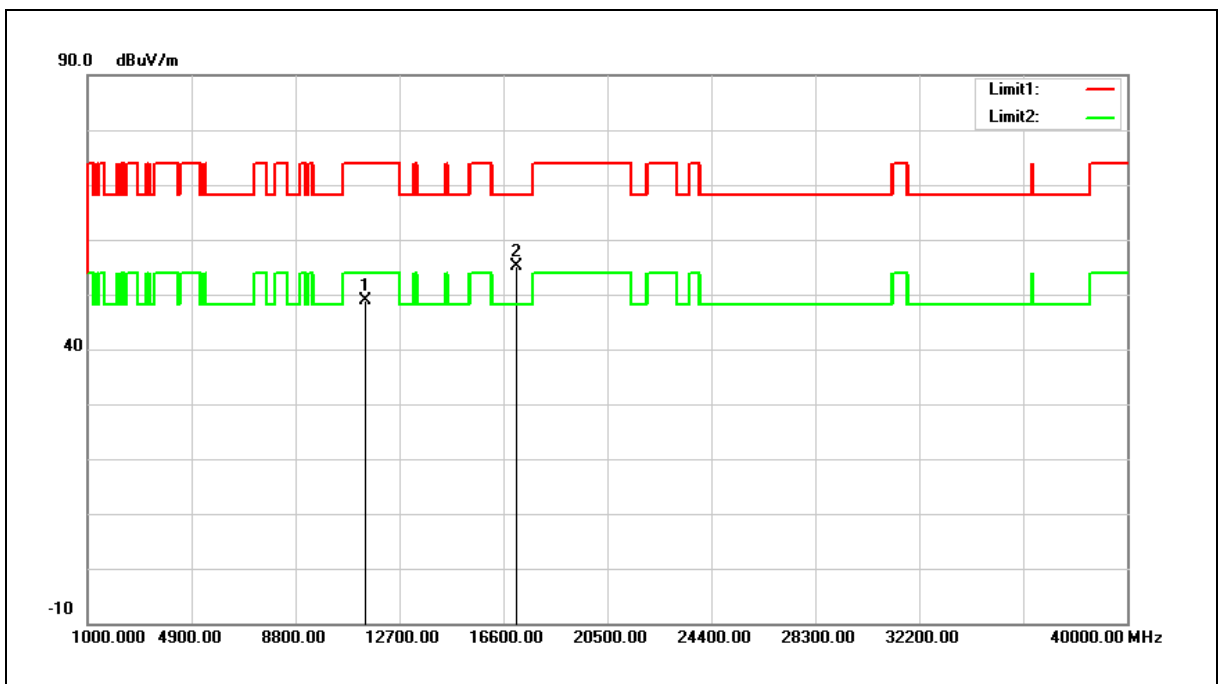
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	29.66	18.49	48.15	74.00	-25.85	peak
2	16680.000	31.57	21.66	53.23	68.20	-14.97	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5700 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



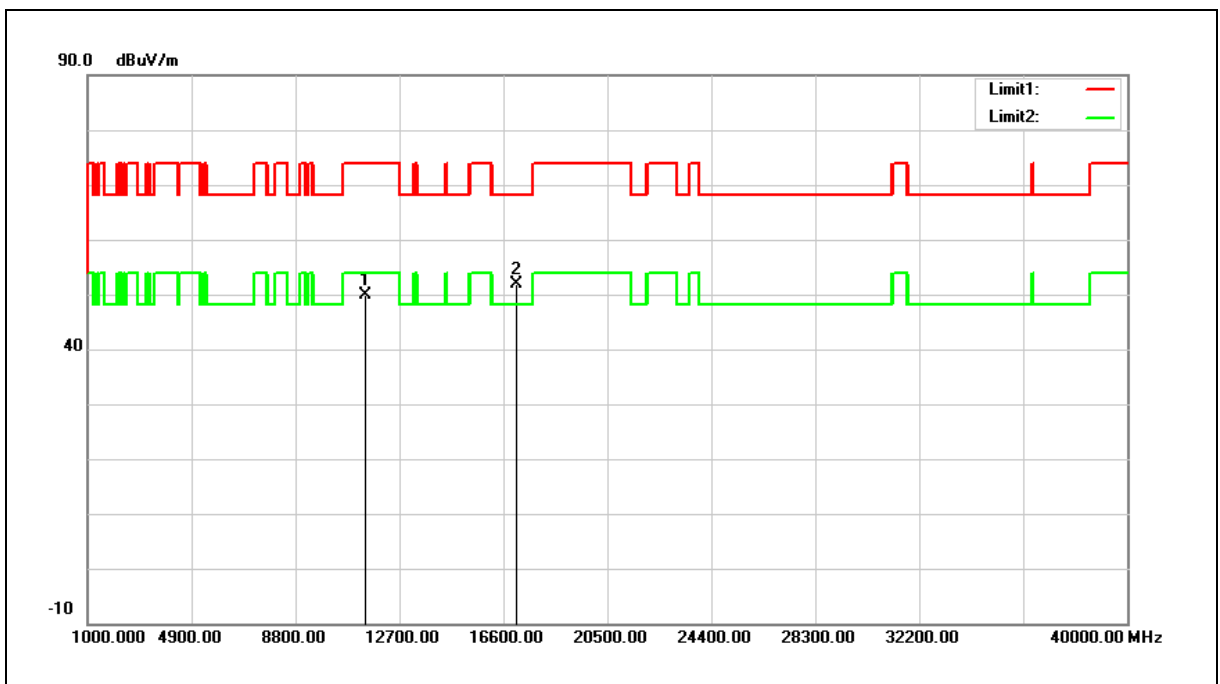
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	30.52	18.46	48.98	74.00	-25.02	peak
2	17100.000	31.60	23.62	55.22	68.20	-12.98	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5700 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		



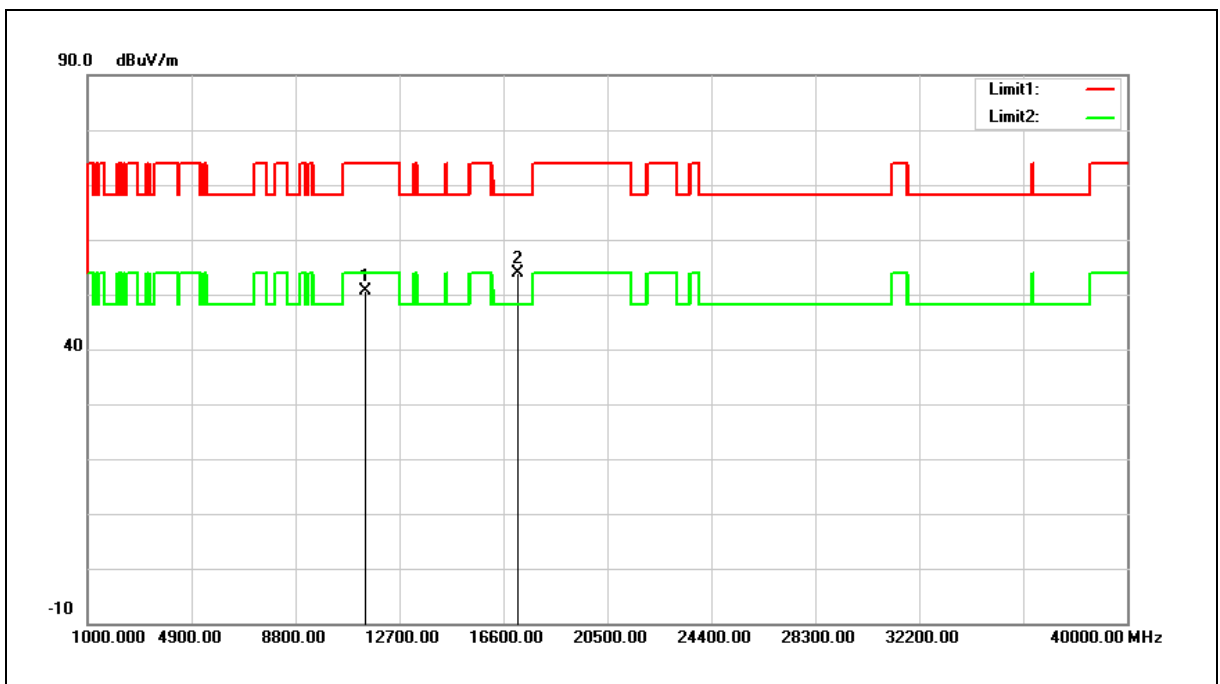
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	31.41	18.46	49.87	74.00	-24.13	peak
2	17100.000	28.26	23.62	51.88	68.20	-16.32	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5720 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



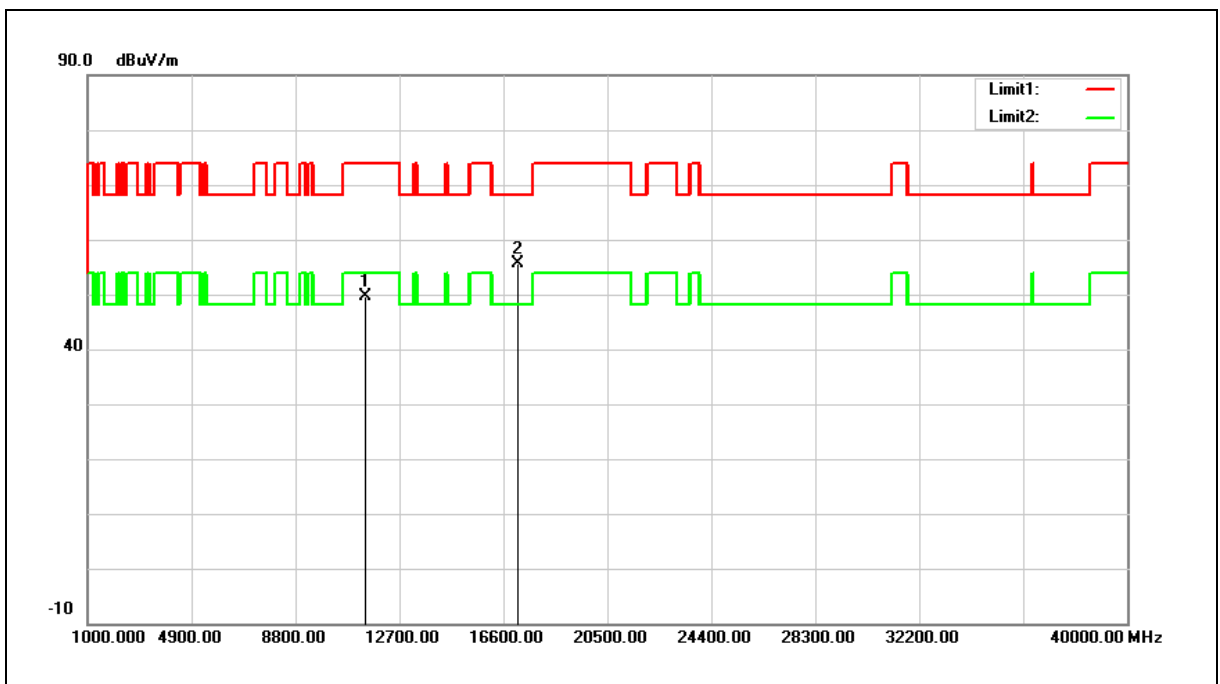
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11440.000	32.17	18.46	50.63	74.00	-23.37	peak
2	17160.000	30.04	23.88	53.92	68.20	-14.28	peak

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:	5720 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		



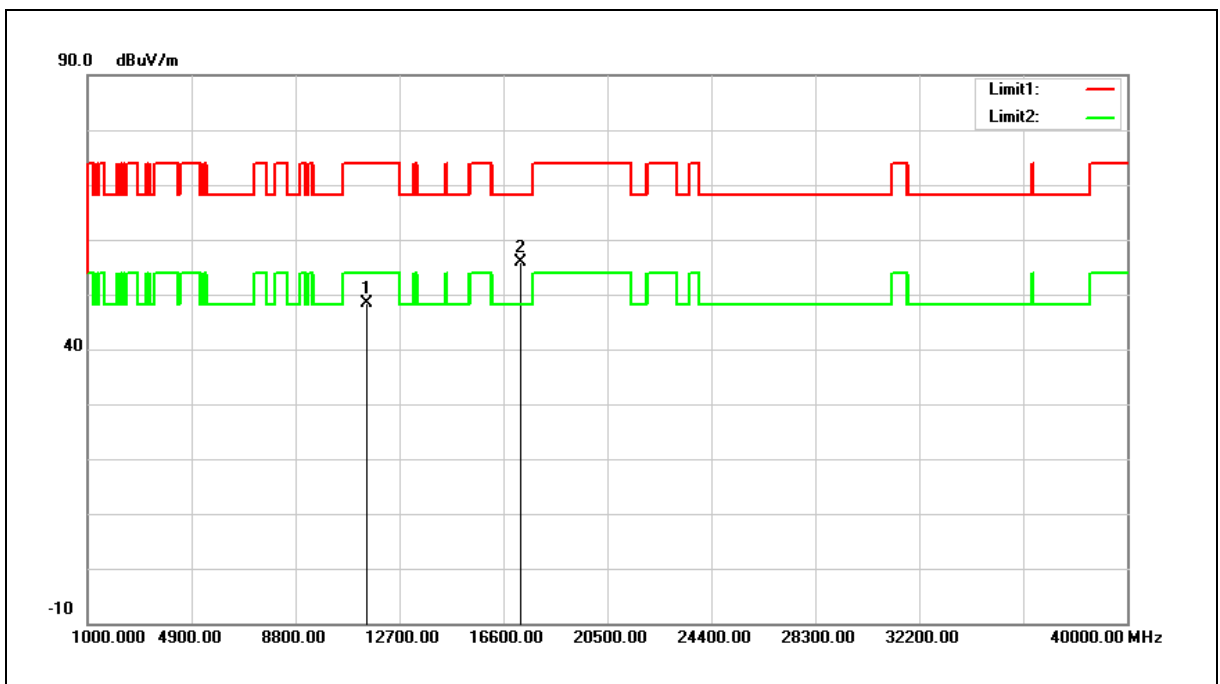
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11440.000	31.07	18.46	49.53	74.00	-24.47	peak
2	17160.000	31.86	23.88	55.74	68.20	-12.46	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5745 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



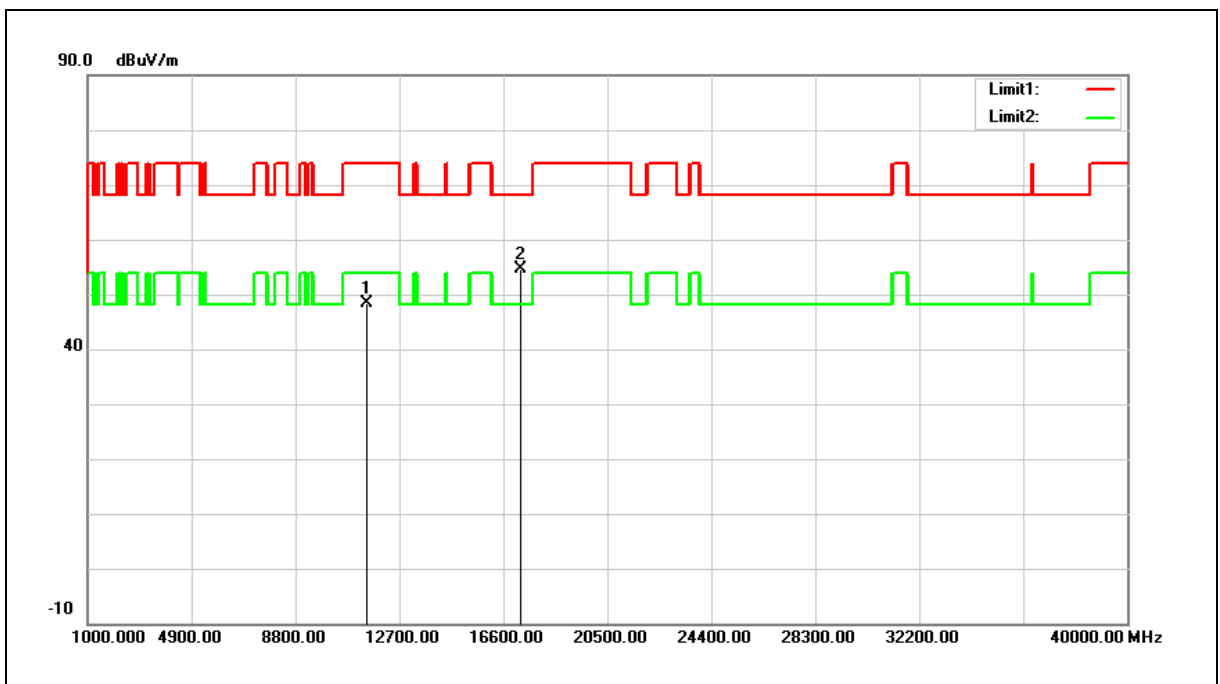
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	30.02	18.46	48.48	74.00	-25.52	peak
2	17235.000	31.67	24.18	55.85	68.20	-12.35	peak

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:	5745 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		



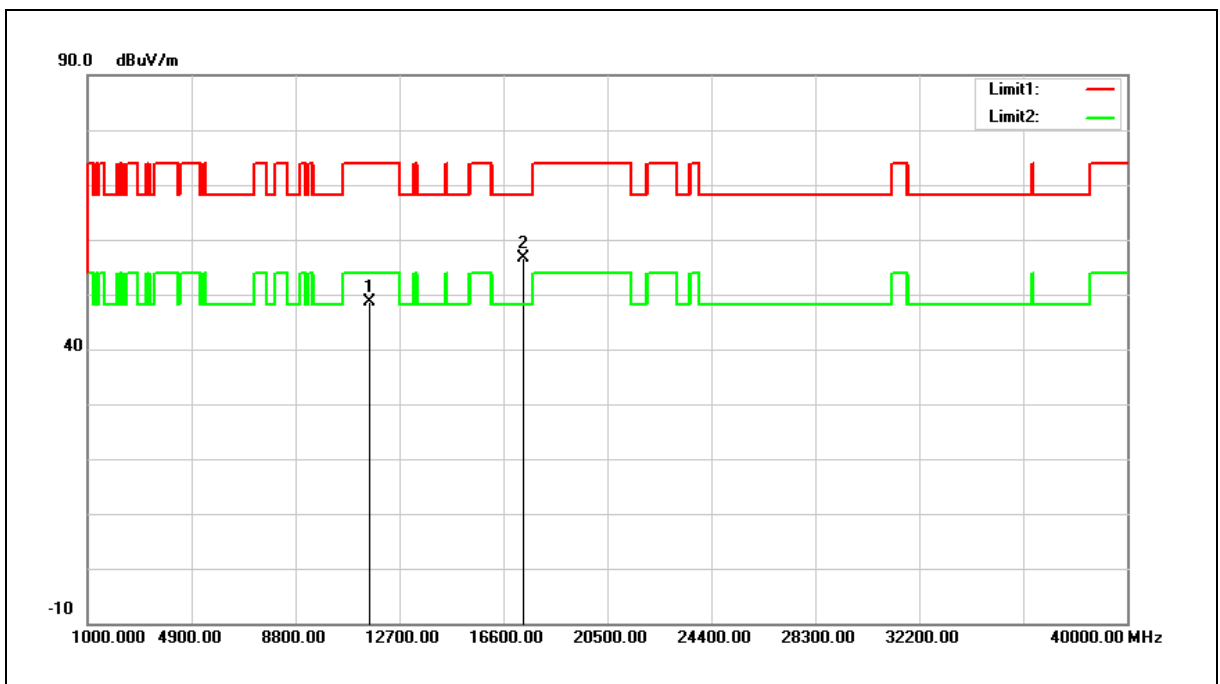
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	29.88	18.46	48.34	74.00	-25.66	peak
2	17235.000	30.47	24.18	54.65	68.20	-13.55	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5785 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



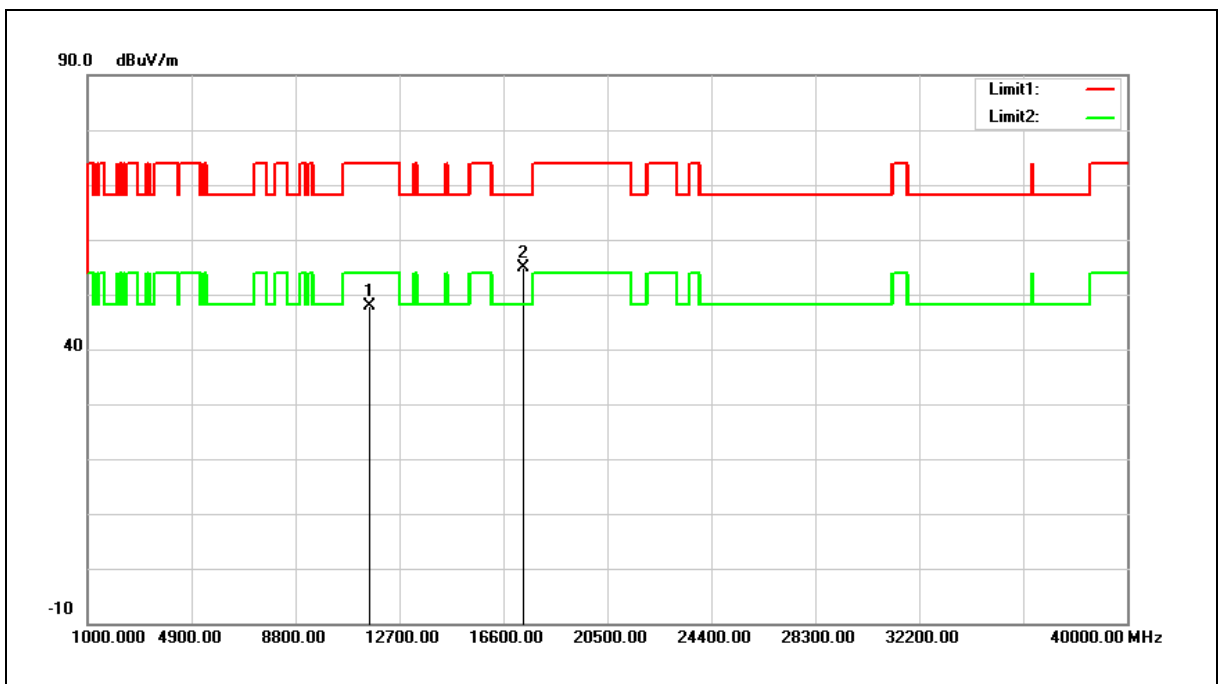
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	30.19	18.37	48.56	74.00	-25.44	peak
2	17355.000	31.83	24.68	56.51	68.20	-11.69	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5785 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		



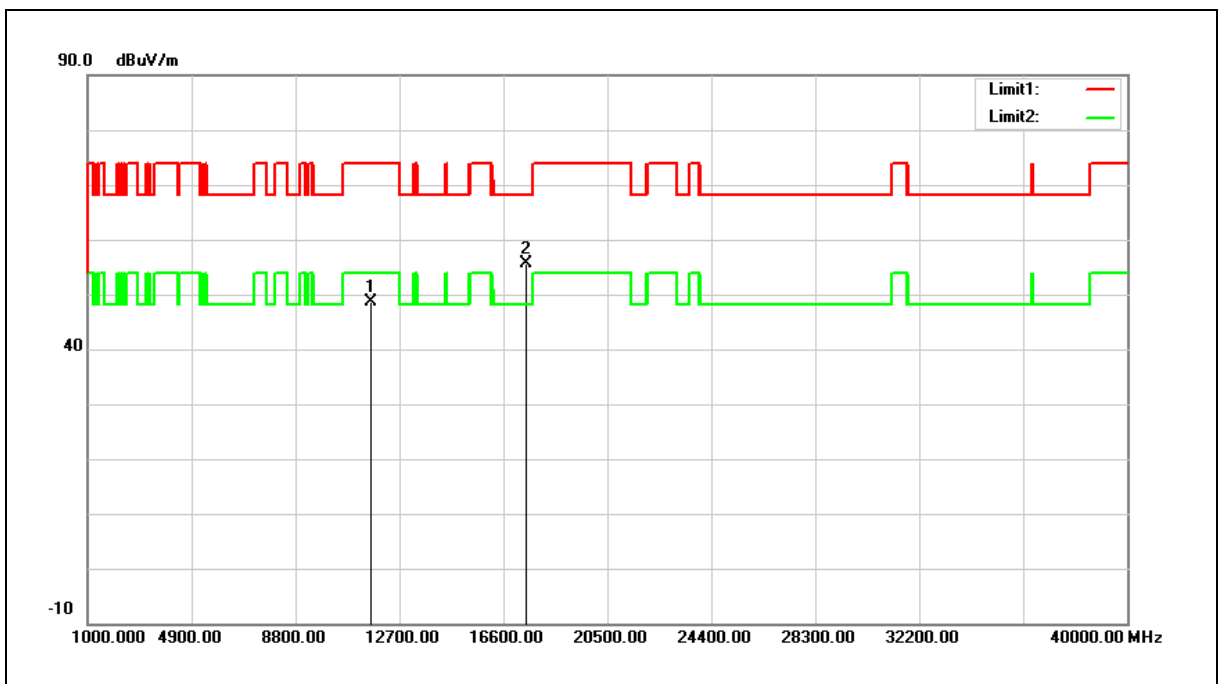
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	29.47	18.37	47.84	74.00	-26.16	peak
2	17355.000	30.30	24.68	54.98	68.20	-13.22	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5825 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



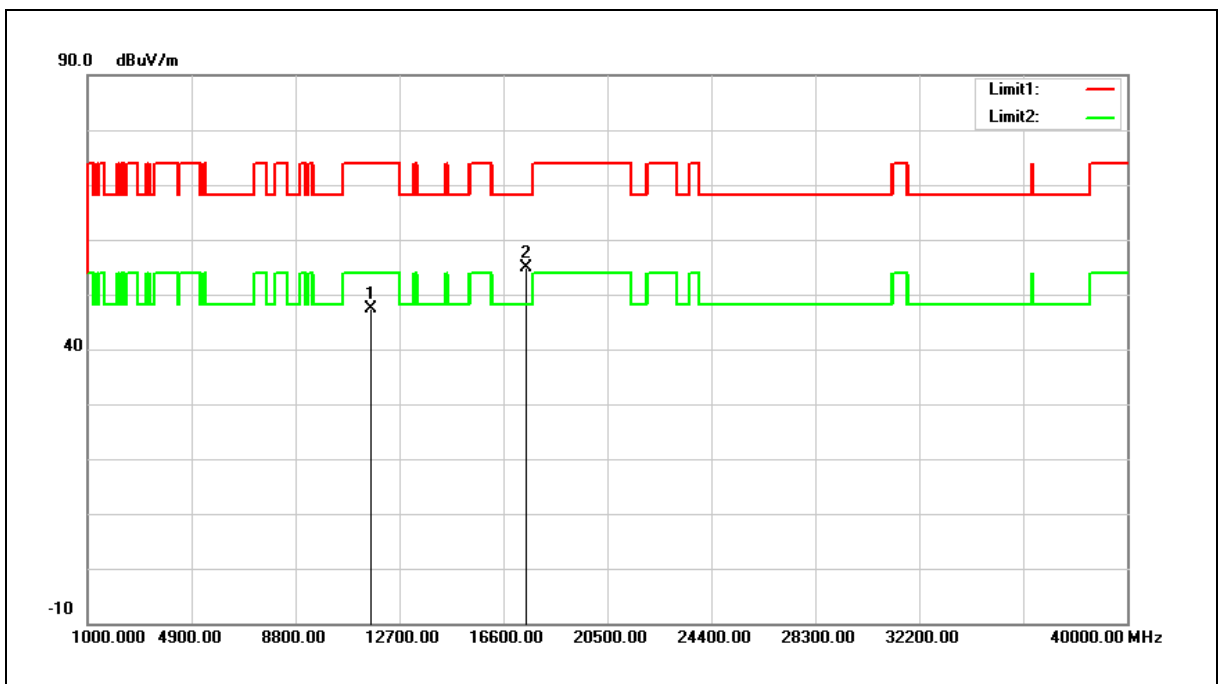
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	30.38	18.28	48.66	74.00	-25.34	peak
2	17475.000	30.42	25.18	55.60	68.20	-12.60	peak

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:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5825 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		



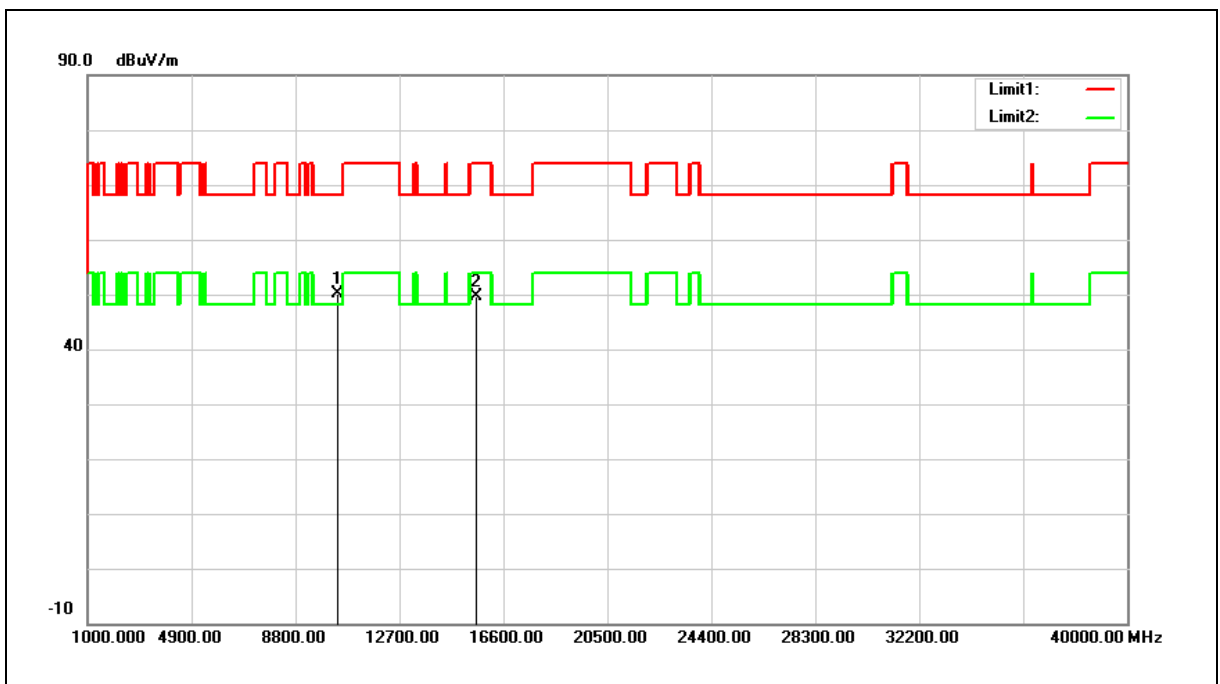
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	29.15	18.28	47.43	74.00	-26.57	peak
2	17475.000	29.69	25.18	54.87	68.20	-13.33	peak

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:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Horizontal		



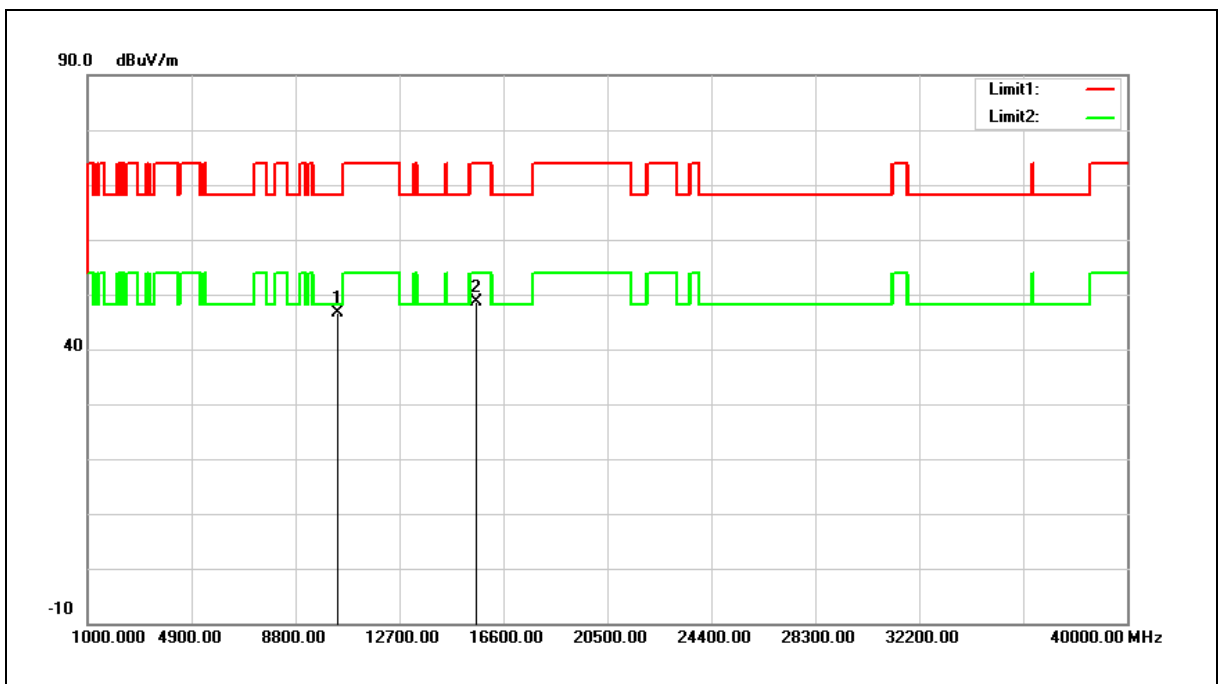
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	33.33	16.86	50.19	68.20	-18.01	peak
2	15570.000	30.62	18.95	49.57	74.00	-24.43	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5190 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Vertical		



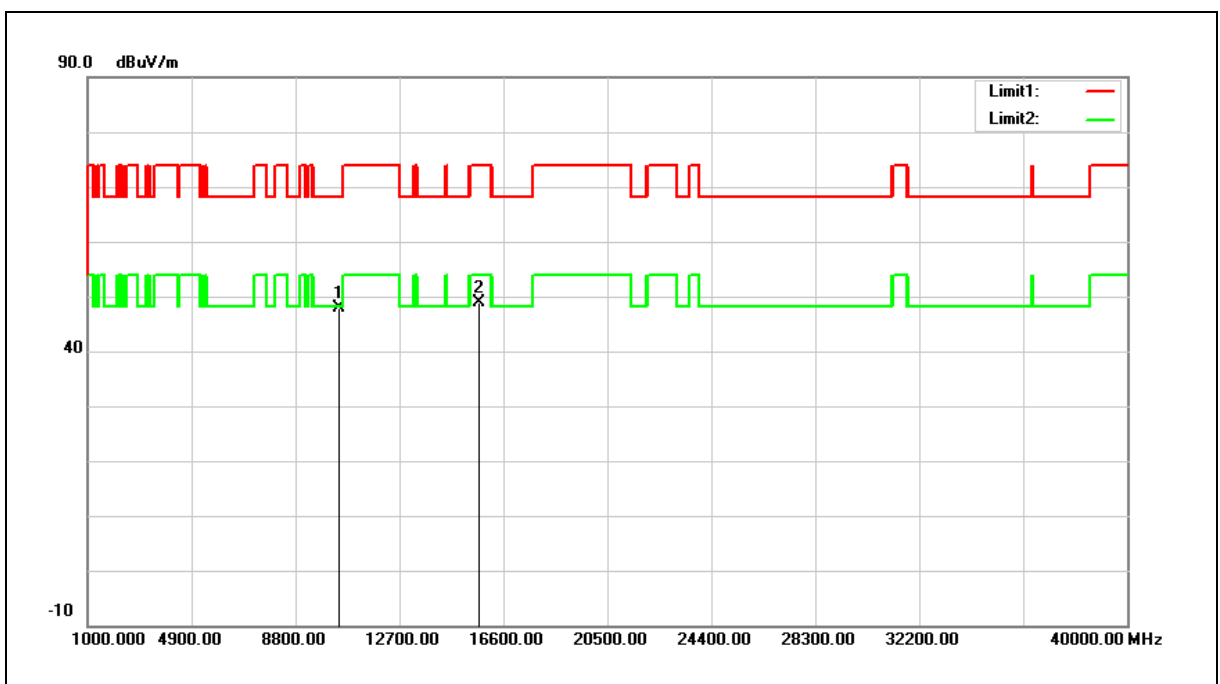
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	29.87	16.86	46.73	68.20	-21.47	peak
2	15570.000	29.63	18.95	48.58	74.00	-25.42	peak

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:	5230 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Horizontal		



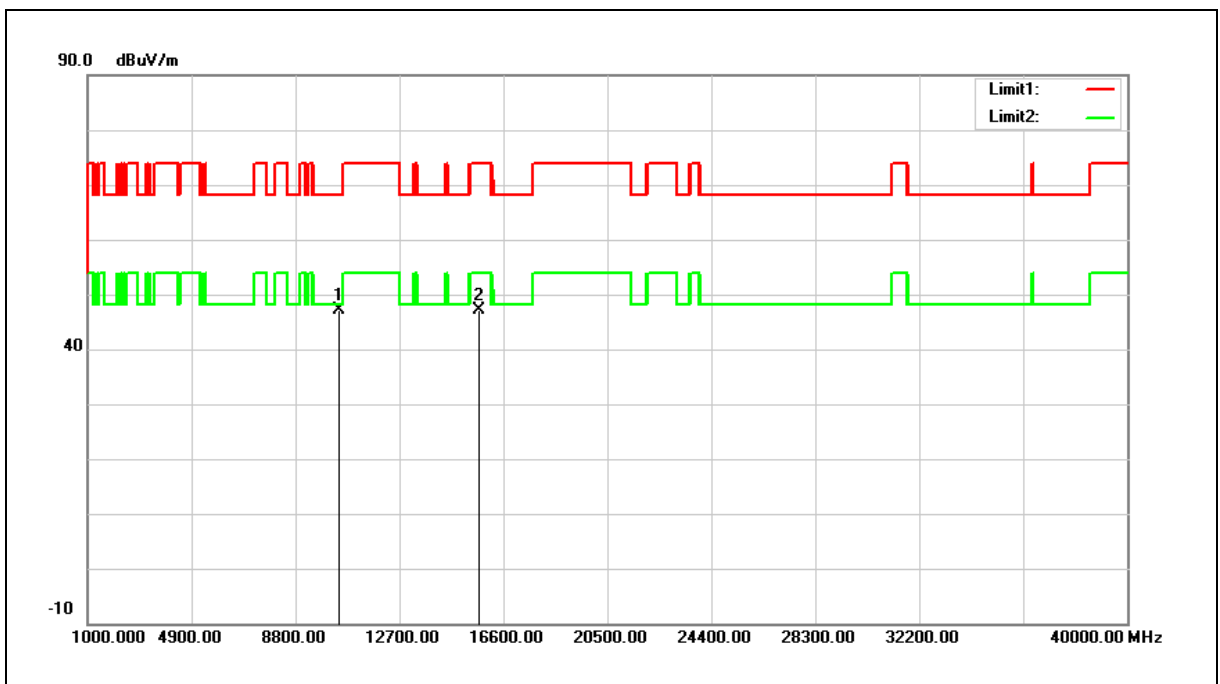
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	30.78	17.15	47.93	68.20	-20.27	peak
2	15690.000	30.16	18.64	48.80	74.00	-25.20	peak

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:	5230 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Vertical		



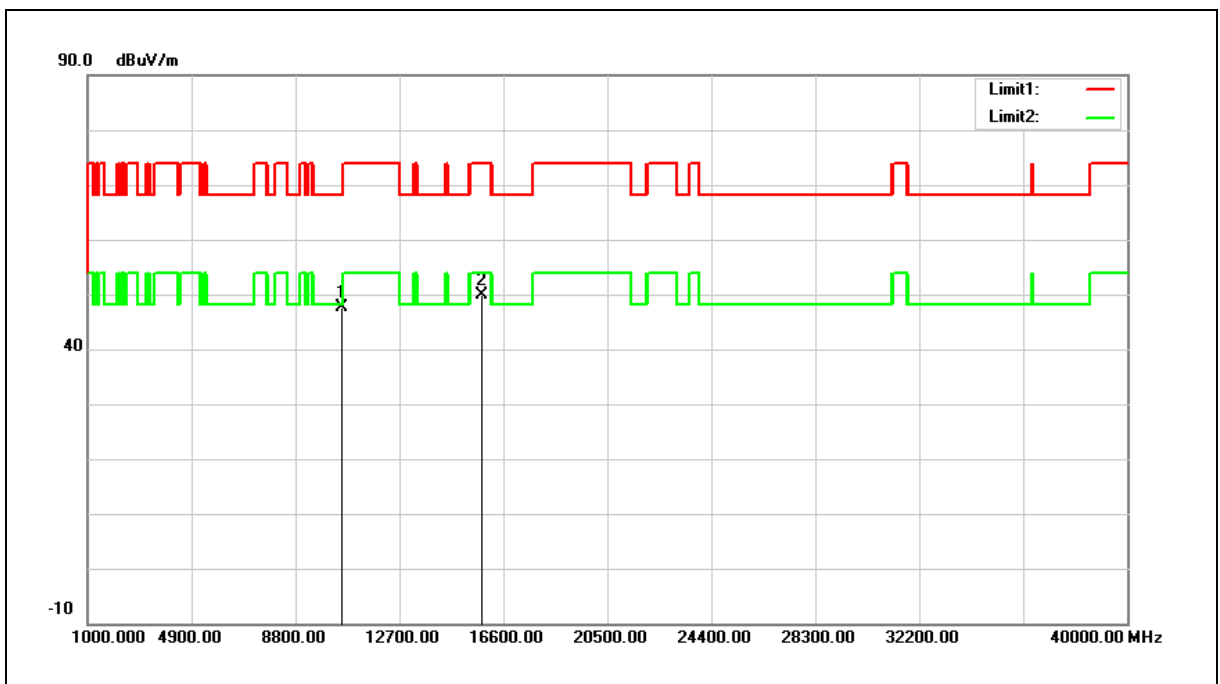
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	29.94	17.15	47.09	68.20	-21.11	peak
2	15690.000	28.57	18.64	47.21	74.00	-26.79	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5270 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Horizontal		



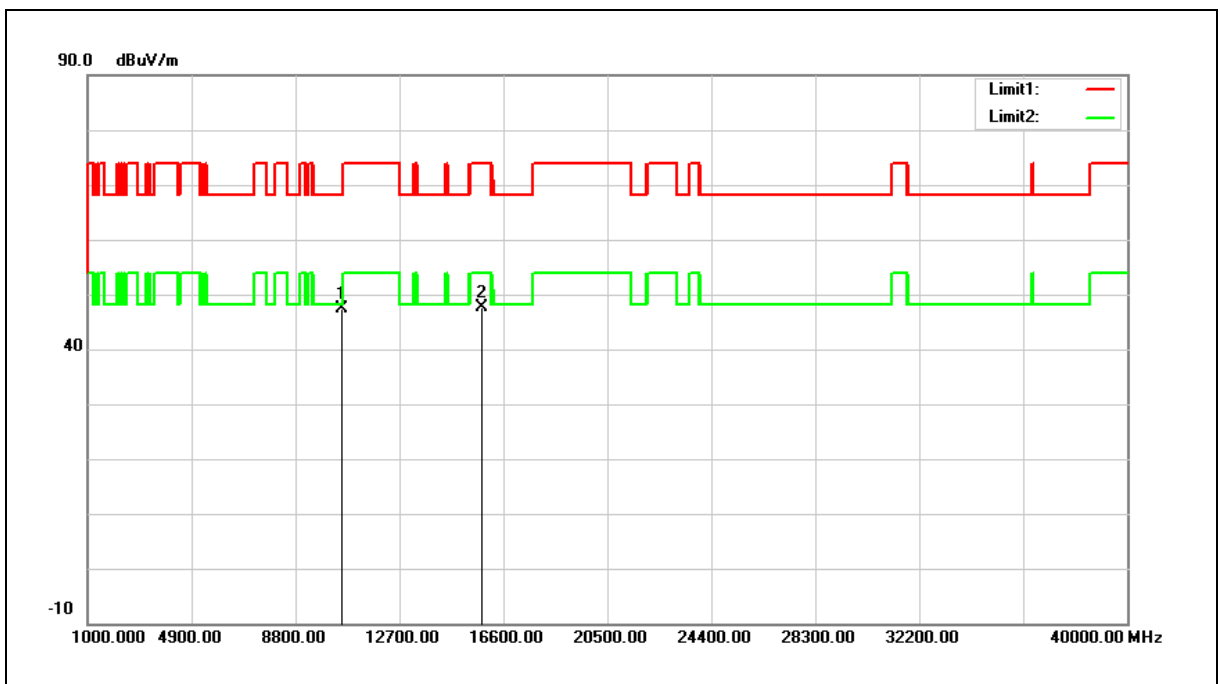
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10540.000	30.23	17.41	47.64	68.20	-20.56	peak
2	15810.000	31.59	18.34	49.93	74.00	-24.07	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5270 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Vertical		



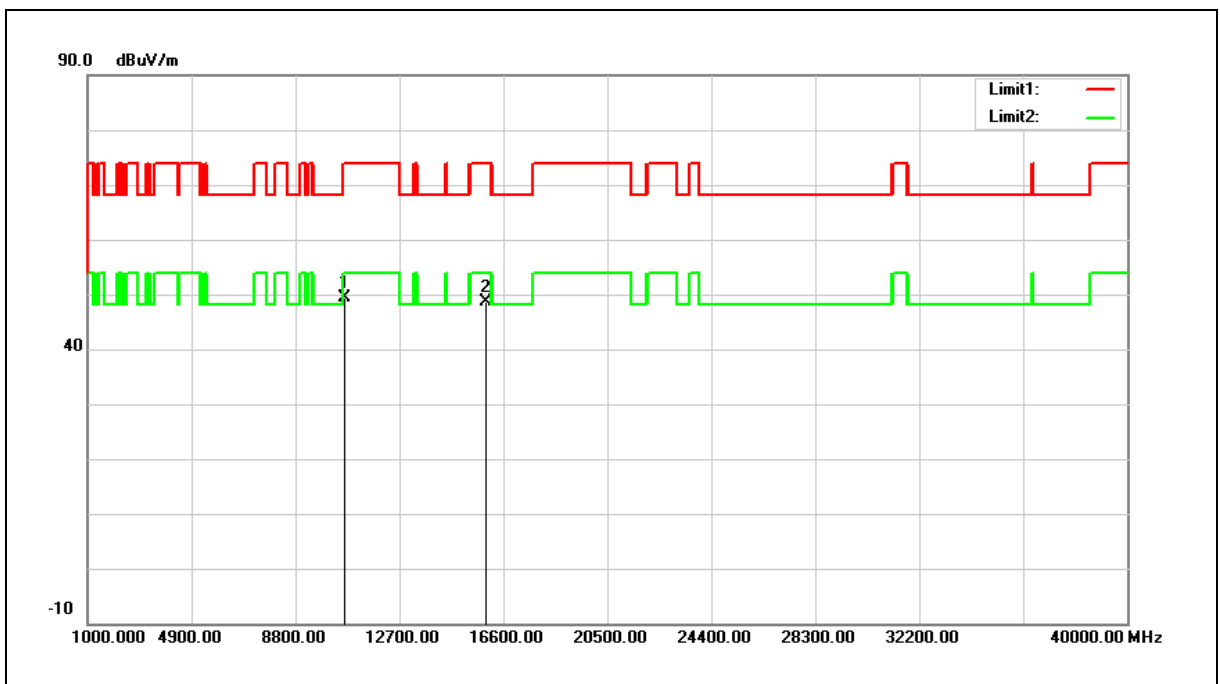
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10540.000	29.99	17.41	47.40	68.20	-20.80	peak
2	15810.000	29.41	18.34	47.75	74.00	-26.25	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5310 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Horizontal		



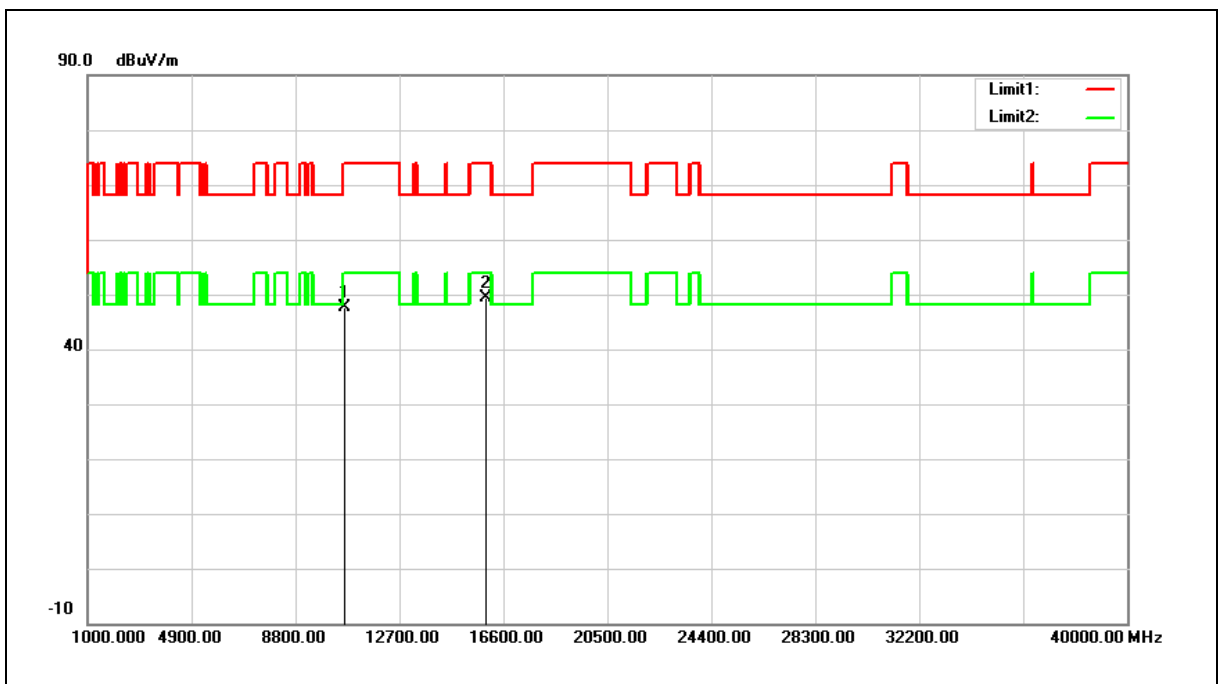
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10620.000	31.91	17.59	49.50	74.00	-24.50	peak
2	15930.000	30.50	18.03	48.53	74.00	-25.47	peak

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:	5310 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Vertical		



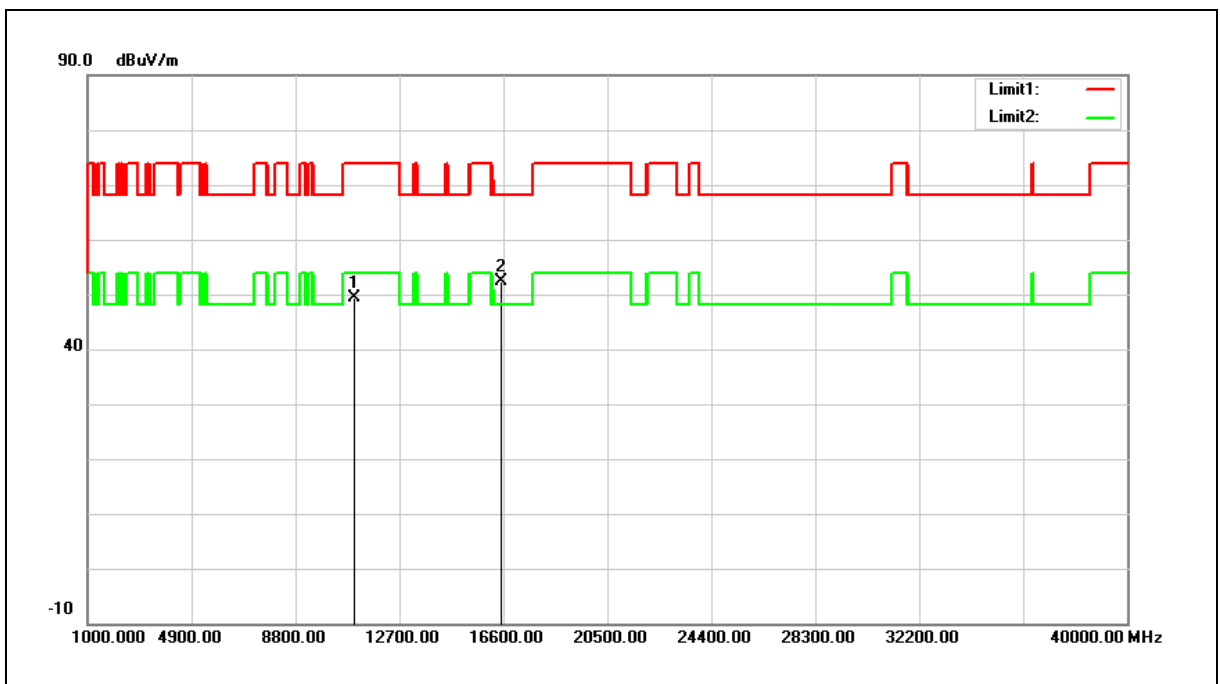
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10620.000	30.08	17.59	47.67	74.00	-26.33	peak
2	15930.000	31.32	18.03	49.35	74.00	-24.65	peak

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:	5510 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Horizontal		



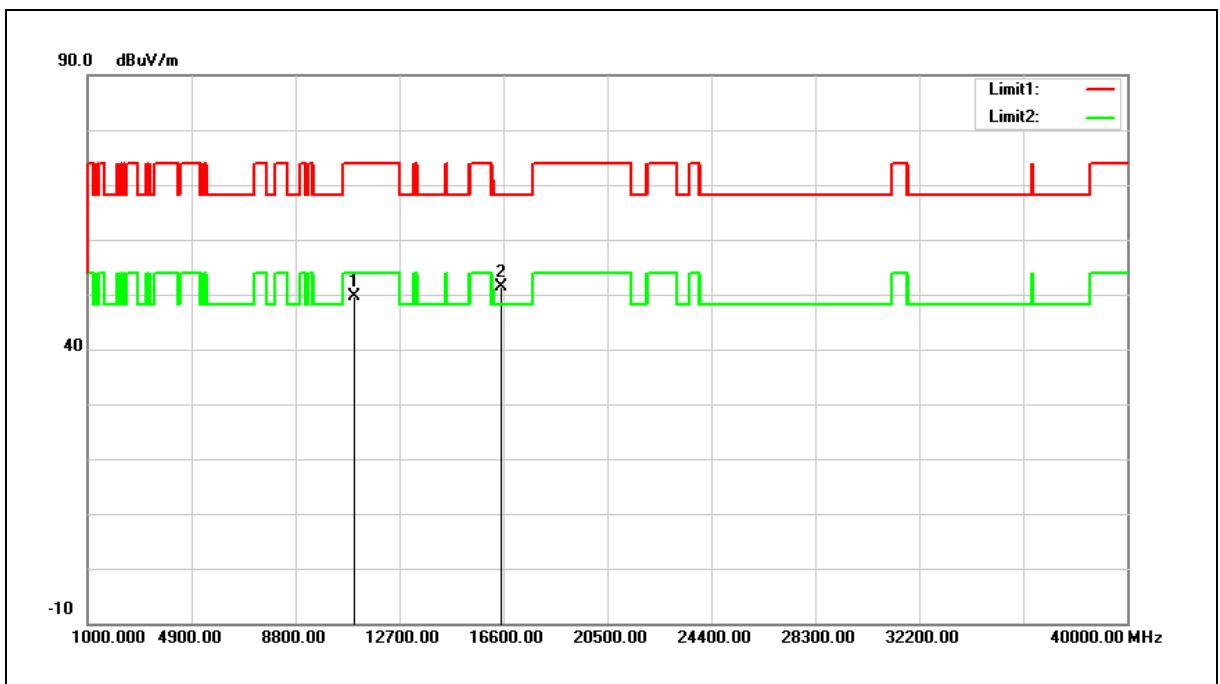
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11020.000	31.00	18.50	49.50	74.00	-24.50	peak
2	16530.000	31.56	20.92	52.48	68.20	-15.72	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5510 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Vertical		



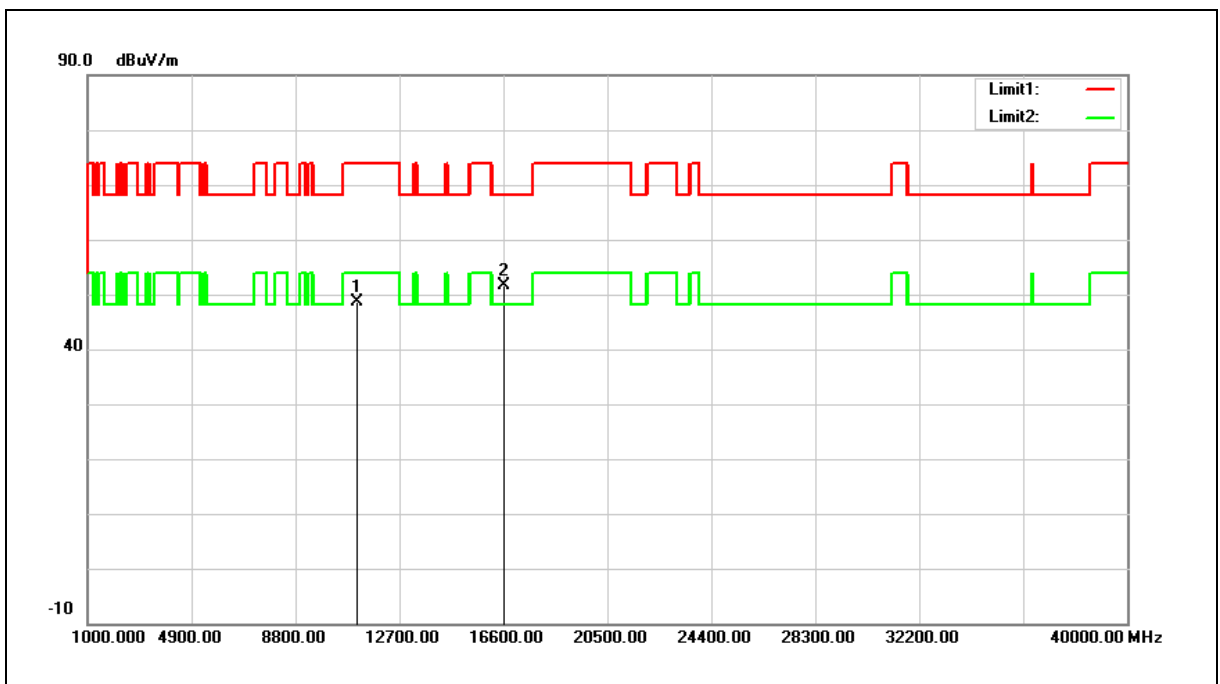
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11020.000	31.10	18.50	49.60	74.00	-24.40	peak
2	16530.000	30.39	20.92	51.31	68.20	-16.89	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5550 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Horizontal		



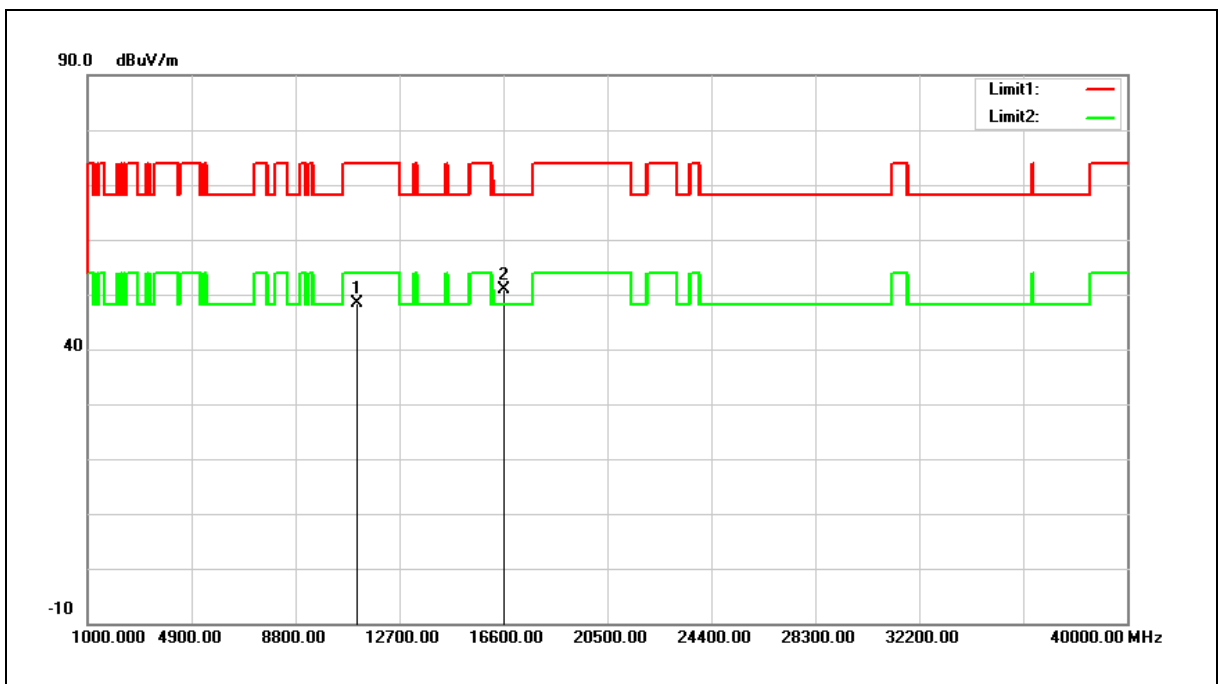
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11100.000	30.22	18.49	48.71	74.00	-25.29	peak
2	16650.000	30.13	21.51	51.64	68.20	-16.56	peak

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:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5550 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Vertical		



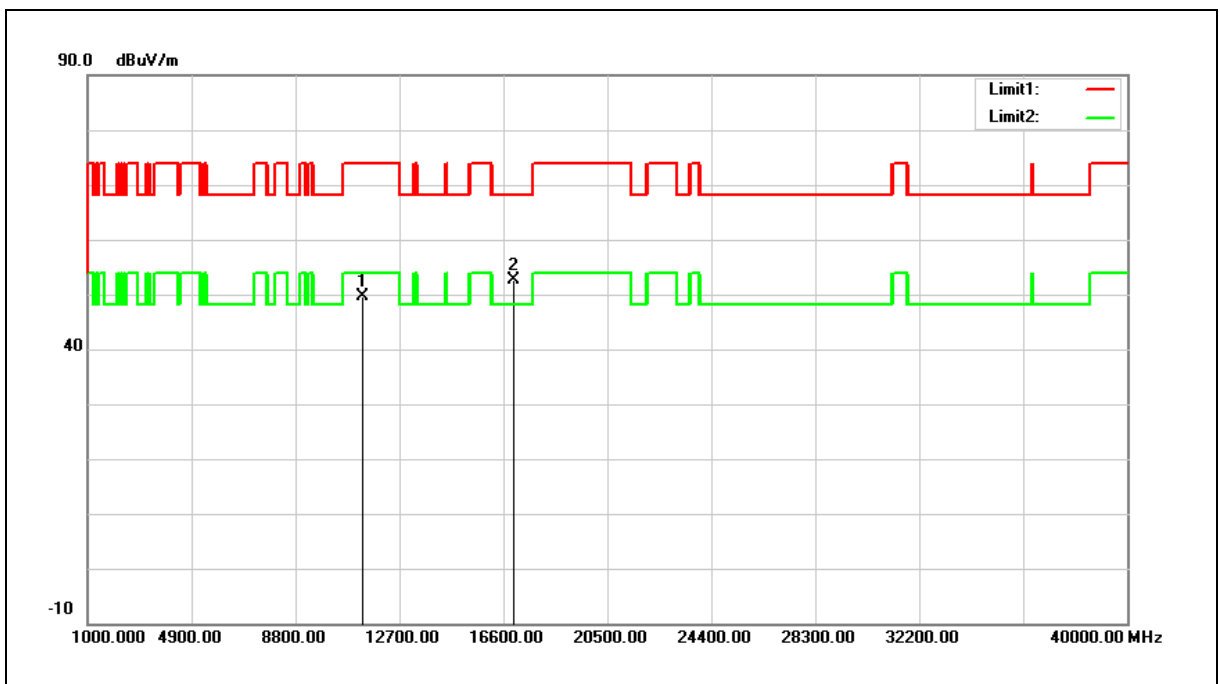
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11100.000	29.83	18.49	48.32	74.00	-25.68	peak
2	16650.000	29.46	21.51	50.97	68.20	-17.23	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	5670 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 8		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11340.000	31.11	18.47	49.58	74.00	-24.42	peak
2	17010.000	29.29	23.26	52.55	68.20	-15.65	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.