



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 2009DR75

版本(Rev.) 01

產品名稱 HUAWEI Sound X 無線音箱

申請廠商 訊歲技術有限公司

廠牌 HUAWEI

型式(號) AIS-B80-90

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

報告發行日期 109 年 10 月 28 日

填發本型式認可報告之試驗機構 (認可代號)

晶復科技股份有限公司
33465 桃園市八德區長安街 140-1 號
Tel : 03-2710188 / Fax : 03-2710190

財團法人全國認證基金會

認證編號 : 1330

認證有效期間 : 108.09.06 ~ 111.09.05

認可能量範圍 : 低功率射頻電機技術規範(LP0002) (頻率範圍:9 kHz to 40 GHz)



免責聲明

- 1.本測試報告所敘述之測試結果，僅對顧客所提供之測試樣品，在此測試報告所述及之測試條件下，所實施之量測有效。
- 2.本測試報告未經晶復科技股份有限公司書面同意，不得部分複製本報告內容。
- 3.本測試報告內容之相關資訊皆由顧客提供，針對顧客所提供資訊之正確性、適當性或完整性，若有疑義或錯誤，並因此影響本測試報告結果有效性時，本實驗室不負其相關責任。

報告修訂紀錄

版本 (Rev.)	發行日期	修訂內容	修訂者
00	109 年 10 月 07 日	初版發行	江玉
01	109 年 10 月 28 日	更新報告編號(P.1) 更新 1.1 章節(P.5、P.7) 更新 2.5 章節(P.11) 更新 4.2.2 章節(P.328)	江玉

低功率射頻電機測試證明書

產品名稱 : HUAWEI Sound X 無線音箱

廠牌 : HUAWEI

型號 : AIS-B80-90

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 Device Co., Ltd.

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

待測物電壓 : DC 24 V, 2.71 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) 109年7月1日

試驗實驗室 : 晶復科技股份有限公司(桃園市八德區長安街140-1號)

樣品接收日期 : 109 年 09 月 17 日

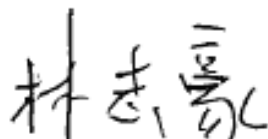
試驗日期 : 109 年 09 月 23 日 ~ 109 年 09 月 29 日

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

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

特此證明！

審核者：



(林 志 豪)

目 錄

名 稱	頁 次
低功率射頻電機測試證明書	3
1. 一般敘述	5
1.1 待測設備一般敘述	5
1.2 其他相關聲明	7
2. 量測儀器及測試配置說明	8
2.1 量測設備	8
2.2 檢驗系統示意圖	9
2.3 輔助測試之週邊設備描述	10
2.4 測試軟體版本	10
2.5 測試模式	11
2.6 量測不確定度	24
2.7 試驗環境	24
3. 測試項目與結果判定總表	25
4. 測試項目表列	27
4.1 電源線傳導干擾之量測	27
4.2 2.4 GHz 檢驗項目	28
4.2.1 場強輻射之量測	28
4.2.2 最大傳導輸出功率之量測	31
4.2.3 天線規格之要求	31
4.2.4 非必要頻帶之量測	32
4.2.5 6 dB 頻寬之要求	32
4.2.6 峰值發射電功率密度之要求	33
4.3 5 GHz U-NII 檢驗項目	34
4.3.1 場強輻射與非必要頻帶之量測	34
4.3.2 最大傳導輸出功率之量測	37
4.3.3 最大傳導功率頻譜密度之要求	40
4.3.4 26 dB 頻寬之要求	42
4.3.5 6 dB 頻寬之要求	42
4.3.6 發射功率控制(TPC)之量測	43
4.3.7 動態頻率選擇(DFS)之量測	43
4.3.8 頻道可用性檢查時間之量測	44
4.3.9 頻道移動時間之量測	45
4.3.10 不可佔用時間之量測	46
4.3.11 天線規格之要求	47
4.3.12 電波暴露量之評估	47
5. TEST RESULTS	48
ANNEX A. CONDUCTED EMISSION	48
ANNEX B. RADIATED EMISSION MEASUREMENT(2.4 GHz)	50
ANNEX C. CONDUCTED TEST RESULTS(2.4 GHz)	114
ANNEX D. RADIATED EMISSION MEASUREMENT(5 GHz)	152
ANNEX E. CONDUCTED TEST RESULTS(5 GHz)	320

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 Sound X 無線音箱	
廠 牌	HUAWEI	
型 號	AIS-B80-90	
額 定 電 源	DC 24 V, 2.71 A	
調 變 方 式	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n 2.4 GHz 20 MHz / 40 MHz: OFDM IEEE 802.11a U-NII Band: OFDM IEEE 802.11n 5 GHz 20 MHz / 40 MHz U-NII Band: OFDM IEEE 802.11ac 20 MHz / 40 MHz / 80 MHz U-NII Band: OFDM *此產品之不具有動態選擇(DFS)之雷達偵測功能 (Client without radar detection function)	
頻 率 使 用 範 圍	Mode	Frequency Range (MHz)
	IEEE 802.11b / IEEE 802.11g / IEEE 802.11n 2.4 GHz 20 MHz	2412 – 2462
	IEEE 802.11n 2.4 GHz 40 MHz	2422 – 2452
	IEEE 802.11a / IEEE 802.11n 5 GHz 20 MHz U-NII Band I IEEE 802.11ac 20 MHz U-NII Band I	5180 – 5240
	IEEE 802.11a / IEEE 802.11n 5 GHz 20 MHz U-NII Band 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 – 5700
	IEEE 802.11a / IEEE 802.11n 5 GHz 20 MHz U-NII Band III IEEE 802.11ac 20 MHz U-NII Band III	5745 – 5825
	IEEE 802.11n 5 GHz 40 MHz U-NII Band I IEEE 802.11ac 40 MHz U-NII Band I	5190 – 5230
	IEEE 802.11n 5 GHz 40 MHz U-NII Band 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 – 5670
	IEEE 802.11n 5 GHz 40 MHz U-NII Band III IEEE 802.11ac 40 MHz U-NII Band III	5755 – 5795
	IEEE 802.11ac 80 MHz U-NII Band I	5210
	IEEE 802.11ac 80 MHz U-NII Band II-A	5290
	IEEE 802.11ac 80 MHz U-NII Band II-C	5530
	IEEE 802.11ac 80 MHz U-NII Band III	5775

天 線 資 訊	Antenna	製造商	型號	型態	增益值(dBi)		
					2.4 GHz	5 GHz	
	ANT-0	通力電子	47-ANT468-XX0-M	FPC Antenna	2.2	5180 ~ 5240	3.2
						5260 ~ 5320	3.3
						5500 ~ 5700	3.7
						5745 ~ 5825	3.6
	ANT-1	通力電子	47-ANT470-XX0-M	FPC Antenna	2.6	5180 ~ 5240	3.6
						5260 ~5320	3.1
						5500 ~ 5700	3.1
						5745 ~ 5825	3.4
G _{ANT}				2.4	5180 ~ 5240	3.4	
					5260 ~5320	3.2	
					5500 ~ 5700	3.41	
					5745 ~ 5825	3.5	
Directional Gain				5.41	5180 ~ 5240	6.41	
					5260 ~5320	6.21	
					5500 ~ 5700	6.42	
					5745 ~ 5825	6.51	

RF 最大輸出功率	Mode		Power	
	IEEE 802.11b		13.85 dBm	0.024 W
	IEEE 802.11g		16.53 dBm	0.045 W
	IEEE 802.11n 2.4 GHz 20 MHz		16.42 dBm	0.044 W
	IEEE 802.11n 2.4 GHz 40 MHz		16.51 dBm	0.045 W
	IEEE 802.11a U-NII Band I		16.46 dBm	0.044 W
	IEEE 802.11a U-NII Band II-A		13.29 dBm	0.021 W
	IEEE 802.11a U-NII Band II-C		13.59 dBm	0.023 W
	IEEE 802.11a U-NII Band III		9.38 dBm	0.009 W
	IEEE 802.11n 5 GHz 20 MHz U-NII Band I		16.33 dBm	0.043 W
	IEEE 802.11n 5 GHz 20 MHz U-NII Band II-A		13.41 dBm	0.022 W
	IEEE 802.11n 5 GHz 20 MHz U-NII Band II-C		13.62 dBm	0.023 W
	IEEE 802.11n 5 GHz 20 MHz U-NII Band III		9.41 dBm	0.009 W
	IEEE 802.11n 5 GHz 40 MHz U-NII Band I		16.36 dBm	0.043 W
	IEEE 802.11n 5 GHz 40 MHz U-NII Band II-A		13.34 dBm	0.022 W
	IEEE 802.11n 5 GHz 40 MHz U-NII Band II-C		13.47 dBm	0.022 W
	IEEE 802.11n 5 GHz 40 MHz U-NII Band III		9.41 dBm	0.009 W
	IEEE 802.11ac 20 MHz U-NII Band I		16.41 dBm	0.044 W
	IEEE 802.11ac 20 MHz U-NII Band II-A		13.46 dBm	0.022 W
	IEEE 802.11ac 20 MHz U-NII Band II-C		13.68 dBm	0.023 W
	IEEE 802.11ac 20 MHz U-NII Band III		9.50 dBm	0.009 W
	IEEE 802.11ac 40 MHz U-NII Band I		16.40 dBm	0.044 W
	IEEE 802.11ac 40 MHz U-NII Band II-A		13.56 dBm	0.023 W
	IEEE 802.11ac 40 MHz U-NII Band II-C		13.58 dBm	0.023 W
	IEEE 802.11ac 40 MHz U-NII Band III		9.48 dBm	0.009 W
	IEEE 802.11ac 80 MHz U-NII Band I		16.52 dBm	0.045 W
	IEEE 802.11ac 80 MHz U-NII Band II-A		12.98 dBm	0.020 W
	IEEE 802.11ac 80 MHz U-NII Band II-C		13.31 dBm	0.021 W
	IEEE 802.11ac 80 MHz U-NII Band III		9.31 dBm	0.009 W

輸出/輸入埠說明：

輸 出 / 入 埠		數量	介面內容說明
1	DC Power In Port	1	連接至電源供應器
2	USB Port	1	原廠 Debug 使用，一般消費者無法使用。

附屬裝置表：

裝置名稱	廠牌	型號	備註
電源供應器	HUAWEI	HW-240271D0D	INPUT : 100-240 VAC, 50/60 Hz, 1.5 A OUTPUT : 24.0 VDC, 2.71 A
分離式電源線組	LINETEK	LP-12	125 VAC, 7 A Non-Shielded, 0.9 m

1.2 其他相關聲明

本測試報告屬(以下選擇一種打■)

☒	申請新的型式檢驗認可的測試。
☐	已取得型式檢驗認可之商品,因設計變更而重新測試。 登錄號碼: XXXXXXXX

2. 量測儀器及測試配置說明

2.1 量測設備

For Conducted

Test Period: Sep. 24 ~ Sep. 29, 2020

測試者: 申世傑

名稱	廠牌	型號	序號	本次校驗日期	校驗年限
Spectrum Analyzer (10 Hz~26.5 GHz)	KEYSIGHT	N9010B	MY59071418	03/17/2020	1 year
Spectrum Analyzer	KEYSIGHT	N9030A	MY53120541	01/06/2020	1 year
Power Sensor	Agilent	N1911A	MY45101619	12/11/2019	1 year
Power Meter	Agilent	N1921A	MY45241957	12/11/2019	1 year

For Conducted Emission

Test Period: Sep. 24, 2020

測試者: 邱孝儒

名稱	廠牌	型號	序號	本次校驗日期	校驗年限
Test Receiver	R&S	ESCI	100367	05/25/2020	1 year
LISN	R&S	ENV216	101040	03/23/2020	1 year
LISN	R&S	ENV216	101041	04/06/2020	1 year

For Radiated Emissions

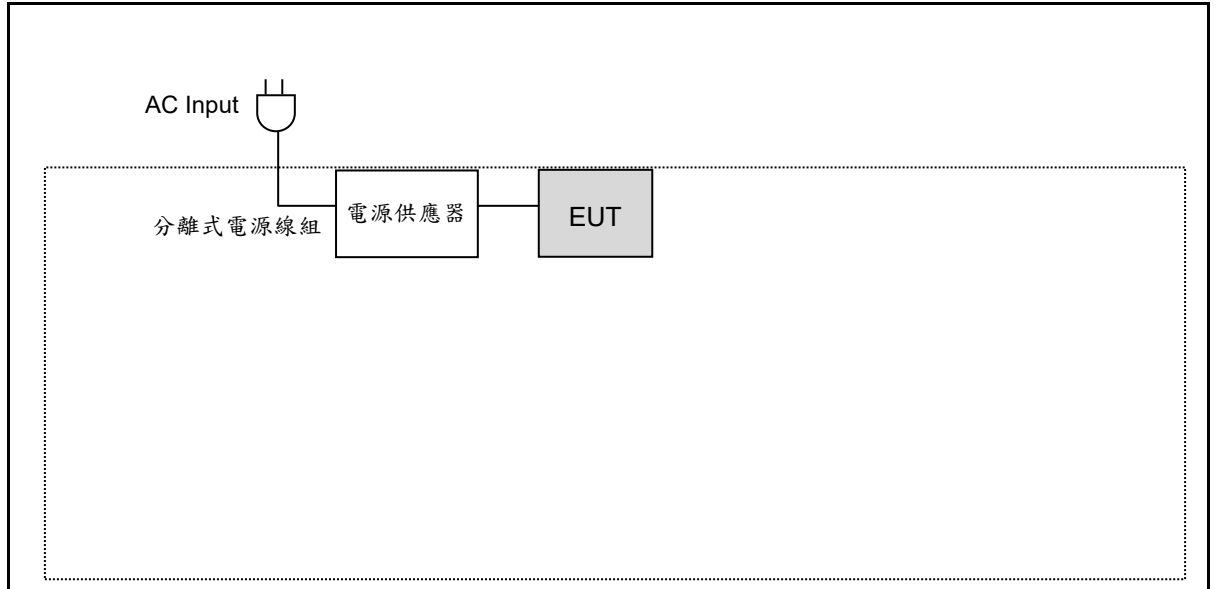
Test Period: Sep. 23 ~ Sep. 24, 2020

測試者: 劉彥聖、廖經雄、葉佳原

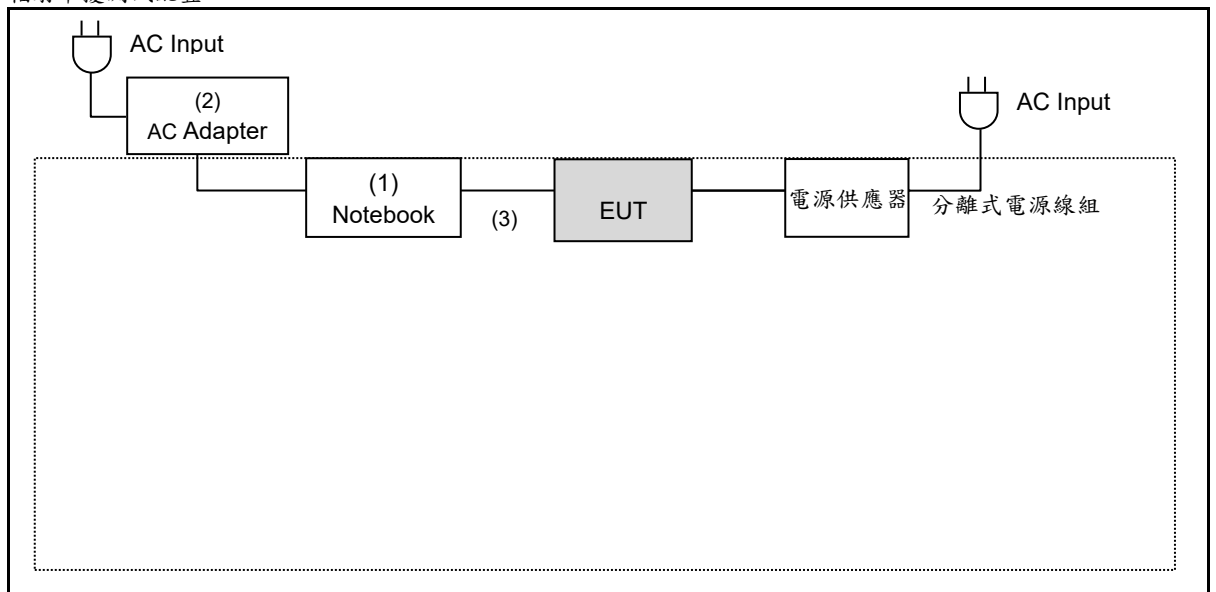
名稱	廠牌	型號	序號	本次校驗日期	校驗年限
Spectrum Analyzer	Keysight	N9030B	MY57143537	04/14/2020	1 year
Amplifier	Agilent	8449B	3008A02237	10/18/2019	1 year
Preamplifier	EMCI	EMC2654045	980028	08/24/2020	1 year
Amplifier	Agilent	8447D	2944A11119	01/15/2020	1 year
天線	SCHWARZBECK MESS-ELEKTRONIK	VULB9168	01146	07/03/2020	1 year
天線(1~18 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	02207	06/30/2020	1 year
天線(18~40 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	08/18/2020	1 year

2.2 檢驗系統示意圖

電源傳導干擾測試配置



輻射干擾測試配置



2.3 輔助測試之週邊設備描述

下列輔助設備或配件為測試中所使用，以形成一個代表性的受測系統。

週邊名稱		廠牌	型號	序號	電源線	備註
(1)	Notebook	HP	HP541	CNU9181SCN	---	(實驗室提供)
(2)	AC Adapter	HP	Series PPP014L-S	---	Non-Shielded, 0.8 m	INPUT : 100-240 VDC, 50/60 Hz, 2.4 A OUTPUT : 19 VDC, 4.74 A (實驗室提供)
(3)	USB Cable	HUAWEI	04071002	---	---	規格 : STD-A to Micro-B 長度 : 1 m (實驗室提供)

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

測試搭配組合：

EUT Configure Mode	CE	RE<1 GHz	RE $\geq$ 1 GHz	備註	
電源供應器	V	V	V		
分離式電源線組	V	V	V		
Notebook	X	V	V	測試週邊(1)	Test Mode使用
AC Adapter	X	V	V	測試週邊(2)	Test Mode使用
USB Cable	X	V	V	測試週邊(3)	Test Mode使用

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

RE<1 GHz : Radiated Emission below 1 GHz

CE : Conducted Emission

V : Final mode

X : Non support

--- : No evaluation required

2.4 測試軟體版本

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

2.5 測試模式

使用定頻模式量測

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

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

Note1: ANT-0 is the worst case in Mode 2.

Note2: Mode 2 Couducted Worst case 為 ANT-0 , Radiation Worst case 為 ANT-1 。

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

ANT-0			
Test Mode	Frequency (MHz)	RF Power setting in Test Software	Test Software Version
Mode 2	2412	14.0	CMD
	2437	13.0	
	2462	13.5	
Mode 3	2412	13.5	
	2437	13.0	
	2462	13.5	
Mode 4	2412	13.5	
	2437	13.0	
	2462	13.5	
Mode 5	2422	13.0	
	2437	13.0	
	2452	12.5	
Mode 6	5180	14.0	
	5200	14.0	
	5220	14.0	
	5240	14.0	
	5260	10.5	
	5280	10.5	
	5300	10.5	
	5320	10.5	
	5500	10.5	
	5520	10.5	
	5540	10.5	
	5560	10.5	
	5580	10.5	
	5660	10.5	
	5680	10.5	
	5700	10.5	
	5745	7.0	
	5765	7.0	
	5785	7.0	
	5805	7.0	
	5825	7.0	

Test Mode	Frequency (MHz)	RF Power setting in Test Software	Test Software Version
Mode 7	5180	14.0	CMD
	5200	14.0	
	5220	14.0	
	5240	14.0	
	5260	10.5	
	5280	10.5	
	5300	10.5	
	5320	11.0	
	5500	10.5	
	5520	10.5	
	5540	10.5	
	5560	10.5	
	5580	10.5	
	5660	10.5	
	5680	10.5	
	5700	10.5	
	5745	7.0	
	5765	7.0	
	5785	7.0	
	5805	7.0	
	5825	7.0	
Mode 8	5190	14.0	
	5230	14.0	
	5270	10.5	
	5310	11.0	
	5510	10.5	
	5550	10.5	
	5670	10.5	
	5755	7.0	
	5795	7.0	

Test Mode	Frequency (MHz)	RF Power setting in Test Software	Test Software Version
Mode 9	5180	14.0	CMD
	5200	14.0	
	5220	14.0	
	5240	14.0	
	5260	10.5	
	5280	10.5	
	5300	10.5	
	5320	11.0	
	5500	10.5	
	5520	10.5	
	5540	10.5	
	5560	10.5	
	5580	10.5	
	5660	10.5	
	5680	10.5	
	5700	10.5	
	5745	7.0	
	5765	7.0	
	5785	7.0	
	5805	7.0	
	5825	7.0	
Mode 10	5190	14.0	
	5230	14.0	
	5270	10.5	
	5310	11.0	
	5510	10.5	
	5550	10.5	
	5670	10.5	
	5755	7.0	
	5795	7.0	
Mode 11	5210	14.5	
	5290	11.0	
	5530	10.5	
	5610	10.5	
	5775	7.0	

ANT-1			
Test Mode	Frequency (MHz)	RF Power setting in Test Software	Test Software Version
Mode 2	2412	14.0	CMD
	2437	13.5	
	2462	13.5	
Mode 3	2412	13.5	
	2437	13.5	
	2462	13.5	
Mode 4	2412	13.5	
	2437	13.5	
	2462	13.5	
Mode 5	2422	13.0	
	2437	13.5	
	2452	12.5	
Mode 6	5180	14.0	
	5200	14.0	
	5220	14.0	
	5240	14.0	
	5260	10.5	
	5280	10.5	
	5300	10.5	
	5320	10.5	
	5500	10.5	
	5520	10.5	
	5540	10.5	
	5560	10.5	
	5580	10.5	
	5660	10.5	
	5680	10.5	
	5700	10.5	
	5745	7.0	
	5765	7.0	
	5785	7.0	
	5805	7.0	
	5825	7.0	

Test Mode	Frequency (MHz)	RF Power setting in Test Software	Test Software Version
Mode 7	5180	14.0	CMD
	5200	14.0	
	5220	14.0	
	5240	14.0	
	5260	10.5	
	5280	10.5	
	5300	10.5	
	5320	11.0	
	5500	10.5	
	5520	10.5	
	5540	10.5	
	5560	10.5	
	5580	10.5	
	5660	10.5	
	5680	10.5	
	5700	10.5	
	5745	7.0	
	5765	7.0	
	5785	7.0	
	5805	7.0	
	5825	7.0	
Mode 8	5190	14.0	
	5230	14.0	
	5270	10.5	
	5310	11.0	
	5510	10.5	
	5550	10.5	
	5670	10.5	
	5755	7.0	
	5795	7.0	

Test Mode	Frequency (MHz)	RF Power setting in Test Software	Test Software Version
Mode 9	5180	14.0	CMD
	5200	14.0	
	5220	14.0	
	5240	14.0	
	5260	10.5	
	5280	10.5	
	5300	10.5	
	5320	11.0	
	5500	10.5	
	5520	10.5	
	5540	10.5	
	5560	10.5	
	5580	10.5	
	5660	10.5	
	5680	10.5	
	5700	10.5	
	5745	7.0	
	5765	7.0	
	5785	7.0	
	5805	7.0	
	5825	7.0	
Mode 10	5190	14.0	
	5230	14.0	
	5270	10.5	
	5310	11.0	
	5510	10.5	
	5550	10.5	
	5670	10.5	
	5755	7.0	
	5795	7.0	
Mode 11	5210	14.5	
	5290	11.0	
	5530	10.5	
	5775	7.0	

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

Test Mode	Antenna Delivery	Data Rate (Mbps)	Test Channel
Mode 2	1TX / 1RX(Diversity)	1	1, 6, 11
Mode 3	2TX / 2RX (CDD)	6	1, 6, 11
Mode 4	2TX / 2RX (CDD)	13	1, 6, 11
Mode 5	2TX / 2RX (CDD)	27	3, 6, 9
Mode 6	2TX / 2RX (CDD)	6	36, 40, 48, 52, 56, 64, 100, 112, 140, 149, 157, 165
Mode 7	2TX / 2RX (MIMO)	13	36, 40, 48, 52, 56, 64, 100, 112, 140, 149, 157, 165
Mode 8	2TX / 2RX (MIMO)	27	38, 46, 54, 62, 102, 110, 134, 151, 159
Mode 9	2TX / 2RX (MIMO)	14.4	36, 40, 48, 52, 56, 64, 100, 112, 140, 149, 157, 165
Mode 10	2TX / 2RX (MIMO)	30	38, 46, 54, 62, 102, 110, 134, 151, 159
Mode 11	2TX / 2RX (MIMO)	58.6	42, 58, 106, 155

Duty cycle

Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 2	2412	20.670	20.670	1.000	0.000	0.010
Mode 3	2412	1.405	1.445	0.972	0.122	0.712
Mode 4	2412	1.315	1.355	0.970	0.130	0.760
Mode 5	2422	0.660	0.705	0.936	0.286	1.515
Mode 6	5180	1.405	1.445	0.972	0.122	0.712
Mode 9	5180	1.320	1.365	0.967	0.146	0.758
Mode 10	5190	0.665	0.705	0.943	0.254	1.504
Mode 11	5210	0.335	0.375	0.893	0.490	2.985

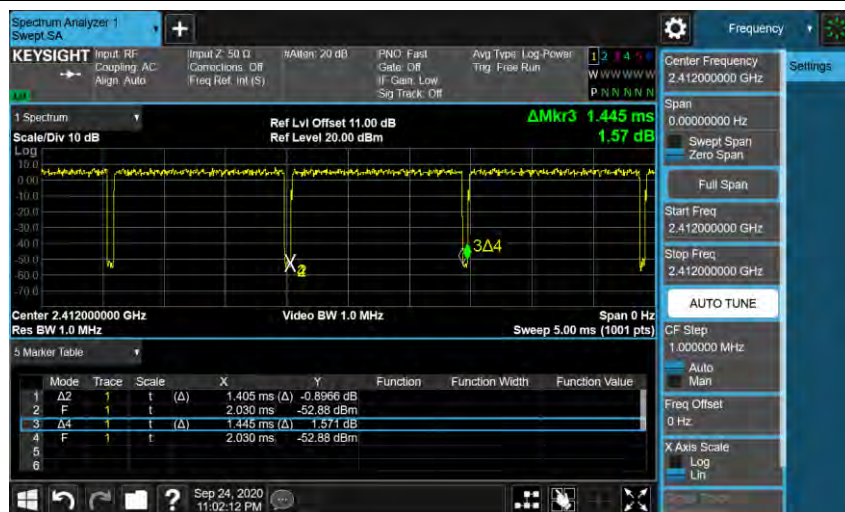
Mode 2: IEEE 802.11b Continuous TX Mode

On+off time



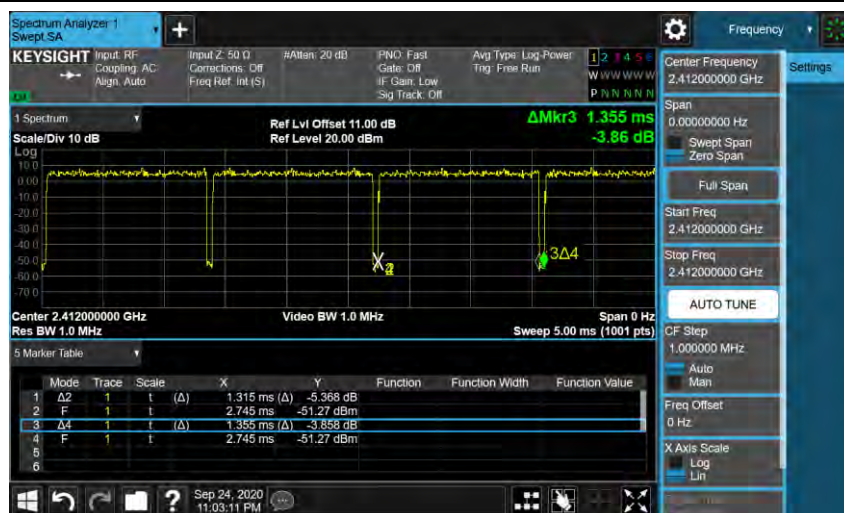
Mode 3: IEEE 802.11g Continuous TX Mode

On+off time



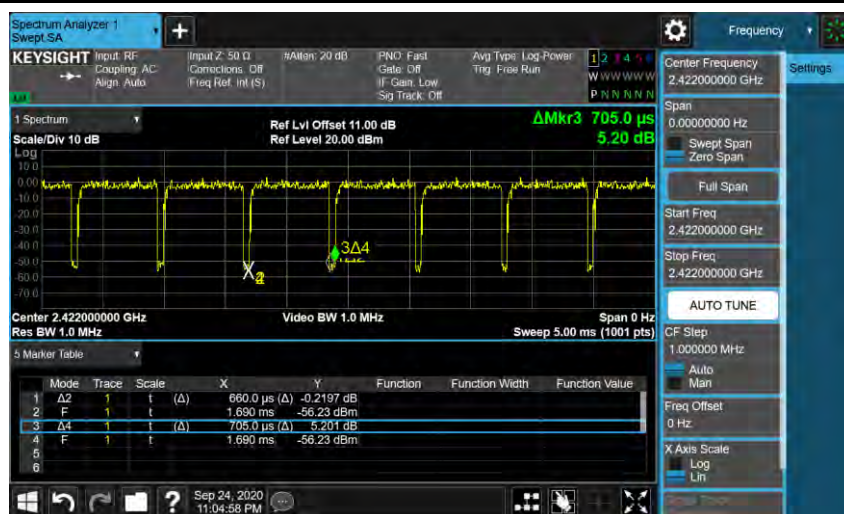
Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode

On+off time



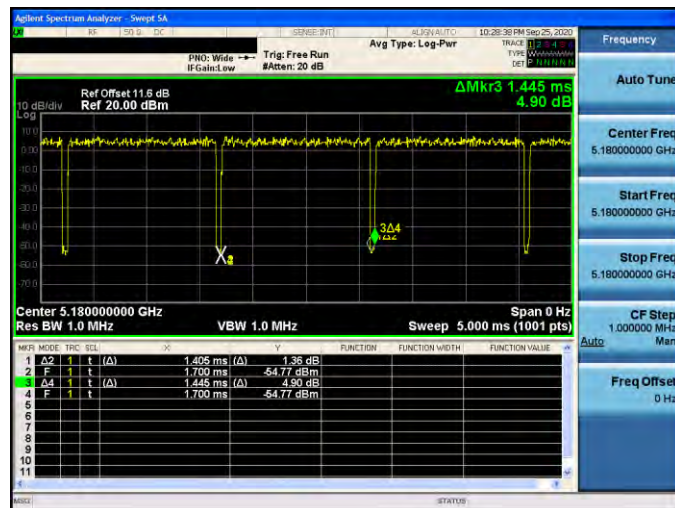
Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode

On+off time



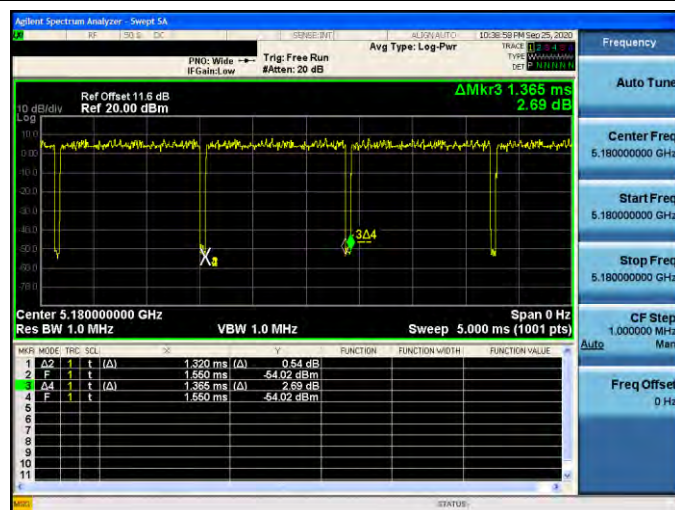
Mode 6: IEEE 802.11a Continuous TX Mode

On+off time



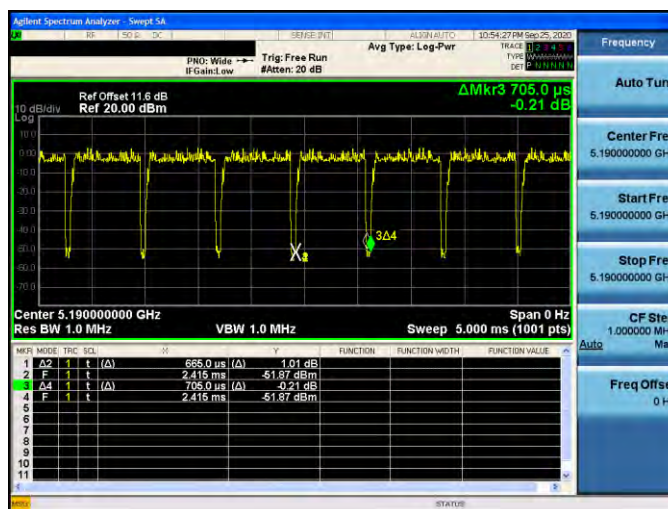
Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode

On+off time



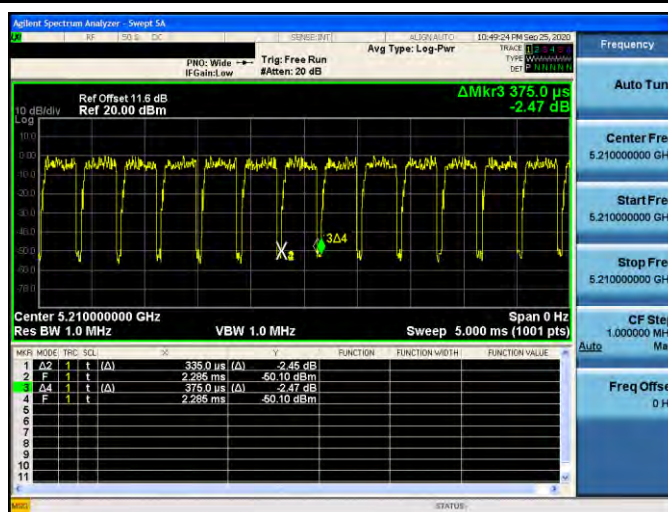
Mode 10: IEEE 802.11ac 40 MHz Continuous TX Mode

On+off time



Mode 11: IEEE 802.11ac 80 MHz Continuous TX Mode

On+off time



2.6 量測不確定度

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

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

2.7 試驗環境

產品測試時之實驗室環境條件如下：

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

3. 測試項目與結果判定總表

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

2.4 GHz 頻段適用下列表格

項次	測試項目	適用規範	測試結果	量測設備	結果判定
1	電源線傳導干擾	低功率射頻器材技術規範 3.3 節	Annex A.	請參閱 2.1 節	符合
2	場強輻射	低功率射頻器材技術規範 3.6 節、3.7 節、4.10.1.5.(1)節	Annex B.	請參閱 2.1 節	符合
3	頻帶邊緣外之輻射發射	低功率射頻器材技術規範 4.10.1.5.(1)節	Annex B.	請參閱 2.1 節	符合
4	最大傳導輸出功率	低功率射頻器材技術規範 4.10.1.2(1)(C)節	Annex C.	請參閱 2.1 節	符合
5	天線規格	低功率射頻器材技術規範 4.10.1.3(3)、4.10.1.4 節	請參閱 4.2.3 節	-----	符合
6	非必要頻帶	低功率射頻器材技術規範 4.10.1.5(1)節	Annex C.	請參閱 2.1 節	符合
7	6 dB 頻寬	低功率射頻器材技術規範 4.10.1.6(2)(A)節	Annex C.	請參閱 2.1 節	符合
8	峰值發射電功率密度	低功率射頻器材技術規範 4.10.1.6(2)(B)節	Annex C.	請參閱 2.1 節	符合
9	電波暴露量之評估	低功率射頻器材技術規範 6.20.2.1 節、6.20.2.2 節	Annex E.	請參閱 2.1 節	符合

5 GHz U-NII 頻段適用下列表格

項次	測試項目	適用規範	測試結果	量測設備	結果判定
1	電源線傳導干擾	低功率射頻器材技術規範 3.3 節	Annex A.	請參閱 2.1 節	符合
2	場強輻射	低功率射頻器材技術規範 3.6 節、3.7 節	Annex D.	請參閱 2.1 節	符合
3	頻帶邊緣外之輻射發射	低功率射頻器材技術規範 3.5、5.7.4 節	Annex D.	請參閱 2.1 節	符合
4	非必要頻帶	低功率射頻器材技術規範 5.7.4 節	Annex E.	請參閱 2.1 節	符合
5	最大傳導輸出功率	低功率射頻器材技術規範 5.7.3.1、5.7.3.2、5.7.3.3 節	Annex E.	請參閱 2.1 節	符合
6	最大傳導功率頻譜密度	低功率射頻器材技術規範 5.7.3.1、5.7.3.2、5.7.3.3 節	Annex E.	請參閱 2.1 節	符合
7	26 dB 頻寬之要求	N/A	Annex E.	請參閱 2.1 節	----
8	6 dB 頻寬之要求	低功率射頻器材技術規範 5.7.5 節	Annex E.	請參閱 2.1 節	符合
9	發射功率控制(TPC)	低功率射頻器材技術規範 5.7.7.1 節	Annex E.	請參閱 2.1 節	符合
10	動態頻率選擇(DFS) 雷達偵測功能	低功率射頻器材技術規範 5.7.7.2 節	Annex E.	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	低功率射頻器材技術規範 5.7.7.2(3)節	Annex E.	請參閱 2.1 節	不適用
12	動態頻率選擇(DFS) 頻道移動時間	低功率射頻器材技術規範 5.7.7.2(4)節	Annex E.	請參閱 2.1 節	符合
13	動態頻率選擇(DFS) 不可佔用時間	低功率射頻器材技術規範 5.7.7.2(5)節	Annex E.	請參閱 2.1 節	符合
14	天線規格	低功率射頻器材技術規範 5.7.8 節	請參閱 4.3.13 節	-----	符合
15	電波暴露量之評估	低功率射頻器材技術規範 6.20.2.1 節、6.20.2.2 節	Annex E.	請參閱 2.1 節	符合

Decision Rule

☒ Uncertainty is not included.

☐ Uncertainty is included.

4. 測試項目表列

4.1 電源線傳導干擾之量測

合格標準：

依據 NCC 低功率射頻電機技術規範(LP0002)之 3.3 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。

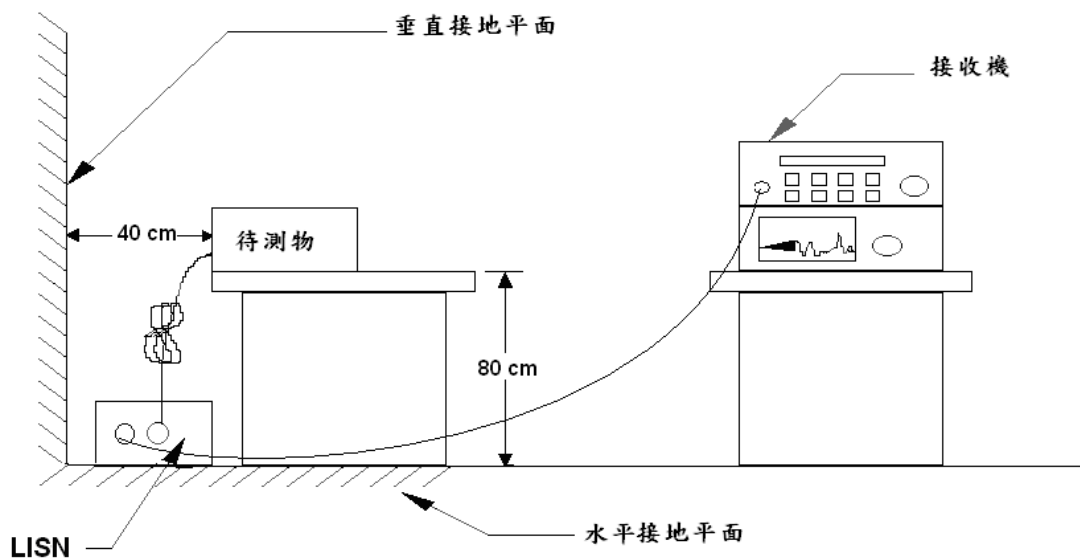
干擾值之計算

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：



4.2 2.4 GHz 檢驗項目

4.2.1 場強輻射之量測

合格標準:

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

依據 NCC 低功率射頻器材技術規範第 3.5 節之規定,禁用頻段如下：

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

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

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

測試方法：

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

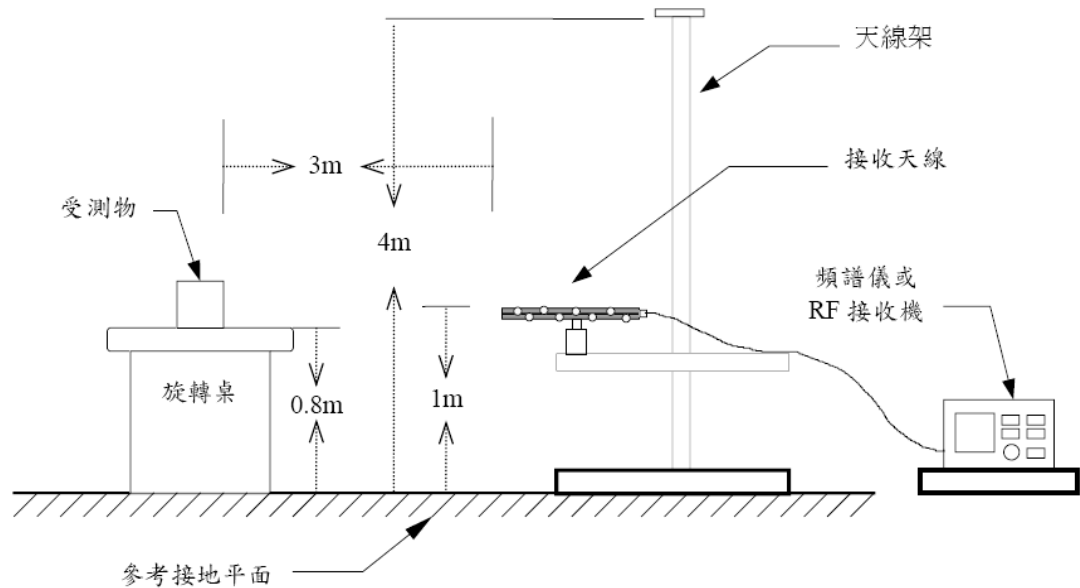
場強度之計算

場強之計算公式為：結果值 = 讀值 + 校正因子

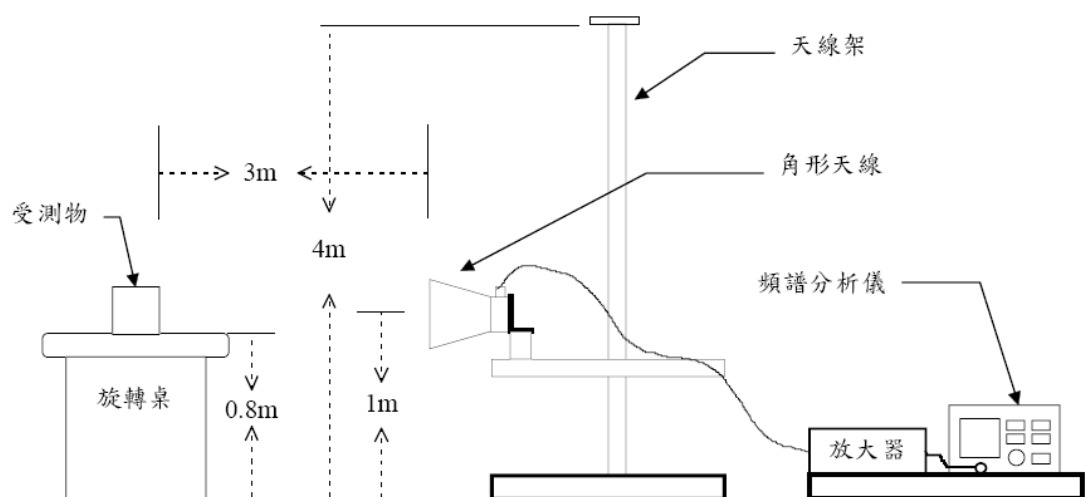
其中校正因子為：天線因子+ 饋線損失 + 濾波器損失（若有使用） - 放大器增益（若有使用）

測試架構圖：

量測頻率低於 1 GHz 以下之測試配置



量測頻率高於 1 GHz 以上之測試配置



4.2.2 最大傳導輸出功率之量測

合格標準:

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

IEEE 802.11b

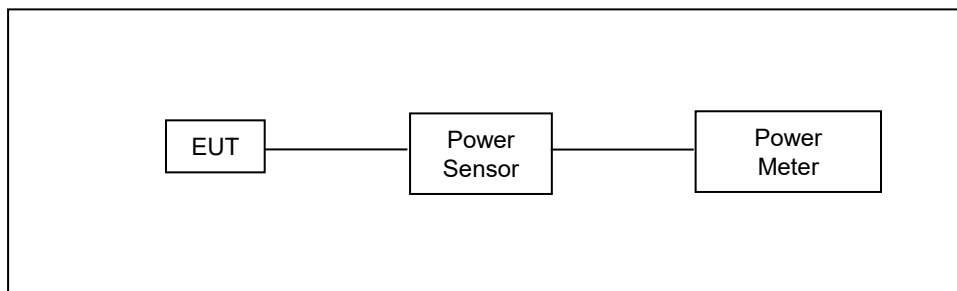
Directional Gain = Antenna Gain ANT-0 = 2.2 dBi < 6 dBi

Directional Gain = Antenna Gain ANT-1 = 2.6 dBi < 6 dBi

MIMO mode :

Directional Gain = GANT = $10 \cdot \log\{[10^{G1/10} + 10^{G2/10} + \dots + 10^{Gn/10}]/NANT\}$ = 5.41 dBi < 6 dBi

測試架構圖：



4.2.3 天線規格之要求

合格標準:

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

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

判定結果:

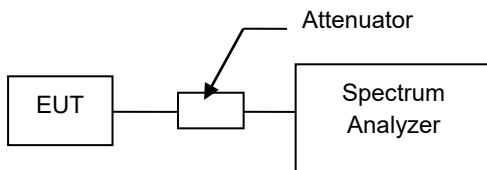
符合。

4.2.4 非必要頻帶之量測

合格標準:

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

測試架構圖：



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

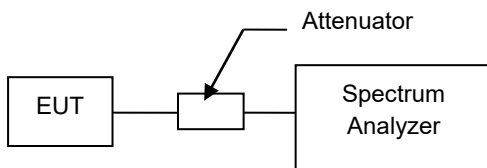
附註 2: 測試結果頻帶外之輻射雜訊皆小於主頻 TX 30 dB。

4.2.5 6 dB頻寬之要求

合格標準:

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

測試架構圖：



4.2.6 峰值發射電功率密度之要求

合格標準:

依據 NCC 低功率射頻器材技術規範(LP0002)之 4.10.1.6(2)(B)節之要求，數位調變技術(Digital Modulation Techniques)系統之功率密度,再使用頻率範圍之任意 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

Directional Gain = Antenna Gain ANT-0 = 2.2 dBi < 6 dBi

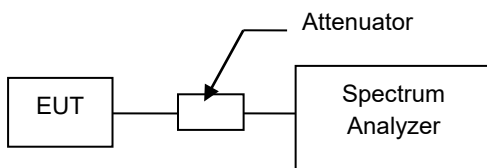
Directional Gain = Antenna Gain ANT-1 = 2.6 dBi < 6 dBi

MIMO mode :

Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\} = 5.41 \text{ dBi} < 6 \text{ dBi}$

測試架構圖：

測試場地測試配置如圖所示。



4.3 5 GHz U-NII 檢驗項目

4.3.1 場強輻射與非必要頻帶之量測

場強輻射合格標準：

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

依據 NCC 低功率射頻器材技術規範第 3.5 節之規定,禁用頻段如下：

頻率(MHz)	頻率(MHz)	頻率(MHz)	頻率(MHz)
0.090~0.110	108.00~138.00	1660.0~1770.0	8025.0~8500.0
0.490~0.510	149.90~150.05	1805.0~1865.0	9000.0~9200.0
2.172~2.198	156.70~156.90	1885.0~1900.0	9300.0~9500.0
3.013~3.033	162.01~167.17	1905.0~1985.0	10600~12700
4.115~4.198	167.72~173.20	2015.0~2025.0	13250~13400
5.670~5.690	240.00~285.00	2125.0~2165.0	14470~14500
6.200~6.300	322.00~335.40	2200.0~2300.0	15350~16200
8.230~8.400	399.90~410.00	2310.0~2390.0	17700~21400
12.265~12.600	485.00~510.00	2483.5~2900.0	22010~23120
13.340~13.430	608.00~614.00	3260.0~3267.0	23600~24000
14.965~15.020	703.00~748.00	3332.0~3339.0	31200~31800
16.700~16.755	758.00~803.00	3345.8~3358.0	36430~36500
19.965~20.020	825.00~915.00	3500.0~4400.0	38600 以上
25.500~25.700	930.00~1240.0	4500.0~5250.0	
37.475~38.275	1300.0~1427.0	5350.0~5460.0	
73.500~75.400	1435.0~1626.5	7250.0~7750.0	

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

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

非必要頻帶合格標準:

依據 NCC 低功率射頻器材技術規範(LP0002)之 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。

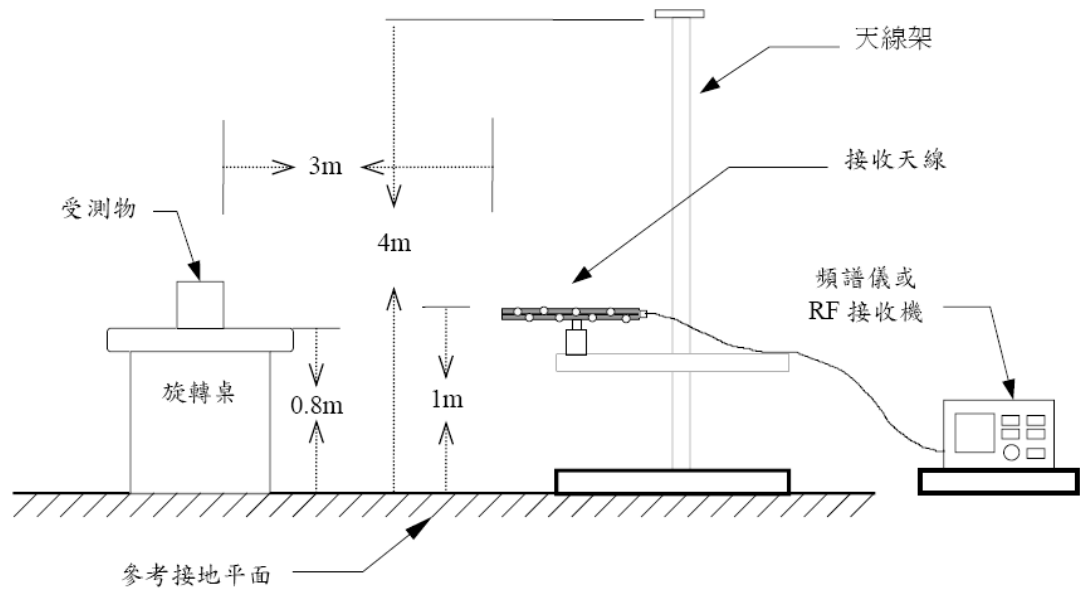
場強度之計算

場強之計算公式為：結果值 = 讀值 + 校正因子

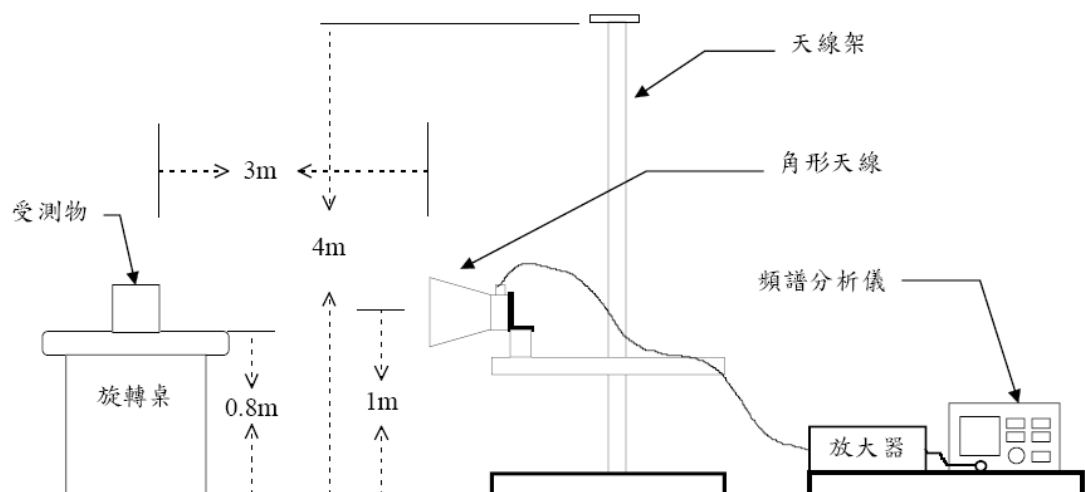
其中校正因子為：天線因子 + 饋線損失 + 濾波器損失（若有使用） - 放大器增益（若有使用）

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



4.3.2 最大傳導輸出功率之量測

合格標準:

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

1. 5.15-5.25 GHz 頻帶

(1) 供戶外操作使用:

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

(2) 供室內操作使用:

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

(3) 供固定式點對點操作使用:

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

(4) 供行動或可攜式裝置操作使用:

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

2. 5.25-5.35 GHz 與 5.470-5.725 GHz 頻帶

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

3. 5.725-5.850 GHz 頻帶

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

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

CDD mode :

(5.150 ~ 5.250 GHz)

Directional Gain = GANT = $10 \cdot \log\{[10^{G1/10} + 10^{G2/10} + \dots + 10^{Gn/10}] / NANT\}$ = 3.4 dBi < 6 dBi

(5.250 ~ 5.350 GHz)

Directional Gain = GANT = $10 \cdot \log\{[10^{G1/10} + 10^{G2/10} + \dots + 10^{Gn/10}] / NANT\}$ = 3.2 dBi < 6 dBi

* Power Limit = $11 + 10 \cdot \log(19.55)$ = 23.91 dBm

(5.475 ~ 5.725 GHz)

Directional Gain = GANT = $10 \cdot \log\{[10^{G1/10} + 10^{G2/10} + \dots + 10^{Gn/10}] / NANT\}$ = 3.41 dBi < 6 dBi

(5.725 ~ 5.850 GHz)

Directional Gain = GANT = $10 \cdot \log\{[10^{G1/10} + 10^{G2/10} + \dots + 10^{Gn/10}] / NANT\}$ = 3.5 dBi < 6 dBi

MIMO mode :

(5.150 ~ 5.250 GHz)

Directional Gain = $10 \cdot \log\{[10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20}]^2 / NANT\}$ = 6.41 dBi > 6 dBi

* Power Limit = $11 + 10 \cdot \log(B)$ or 24 dBm = $24 - 0.41$ = 23.59 dBm

(5.250 ~ 5.350 GHz)

Directional Gain = $10 \cdot \log\{[10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20}]^2 / NANT\}$ = 6.21 dBi > 6 dBi

* Power Limit = $11 + 10 \cdot \log(B)$ or 24 dBm = $24 - 0.21$ = 23.79 dBm

(5.250 ~ 5.350 GHz For ac 20)

Directional Gain = $10 \cdot \log\{[10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20}]^2 / NANT\}$ = 6.21 dBi > 6 dBi

* Power Limit = $11 + 10 \cdot \log 19.84$ = 23.98 dBm; Power Limit = $23.98 - 0.21$ = 23.77 dBm

(5.475 ~ 5.725 GHz)

Directional Gain = $10 \cdot \log\{[10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20}]^2 / NANT\}$ = 6.42 dBi > 6 dBi

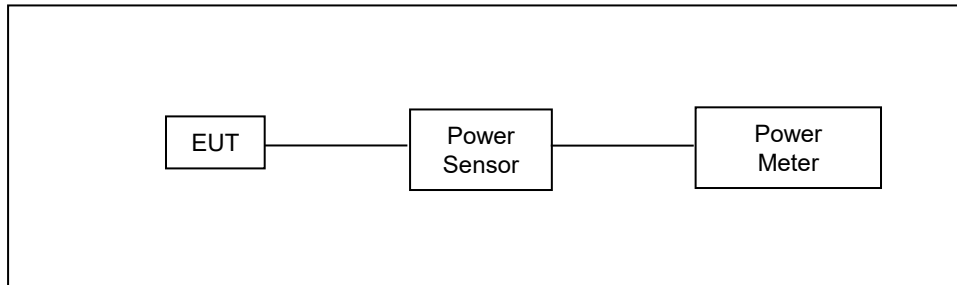
* Power Limit = $11 + 10 \cdot \log(B)$ or 24 dBm = $24 - 0.42$ = 23.58 dBm

(5.725 ~ 5.850 GHz)

Directional Gain = $10 \cdot \log\{[10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20}]^2 / NANT\}$ = 6.51 dBi > 6 dBi

* Power Limit = $11 + 10 \cdot \log(B)$ or 24 dBm = $30 - 0.51$ = 29.49 dBm

測試架構圖：



4.3.3 最大傳導功率頻譜密度之要求

合格標準:

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

1. 5.15-5.25 GHz 頻帶

(1) 供戶外操作使用:

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

(2) 供室內操作使用:

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

(3) 供固定式點對點操作使用:

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

(4) 供行動或可攜式裝置操作使用:

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

2. 5.25-5.35 GHz 與 5.470-5.725 GHz 頻帶

(1) 最大功率頻譜密度在任何 1 MHz 頻帶中不能超過 11 dBm。

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

3. 5.725-5.850 GHz 頻帶

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

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

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

4. 最大功率頻譜密度量測規定:

(1) 應將量測儀器直接連接待測物，以傳導方式執行。

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

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

(4) 解析頻寬小於(2)或(3)時，應以補償方式計算總功率頻譜密度。

CDD mode / MIMO mode :

(5.150 ~ 5.250 GHz)

Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\} = 6.41 \text{ dBi} > 6 \text{ dBi}$

* Conducted Power Spectral Density Limit = $11 - 0.41 = 10.59 \text{ dBm/MHz}$

(5.250 ~ 5.350 GHz)

Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\} = 6.21 \text{ dBi} > 6 \text{ dBi}$

* Conducted Power Spectral Density Limit = $11 - 0.21 = 10.79 \text{ dBm/MHz}$

(5.475 ~ 5.725 GHz)

Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\} = 6.42 \text{ dBi} > 6 \text{ dBi}$

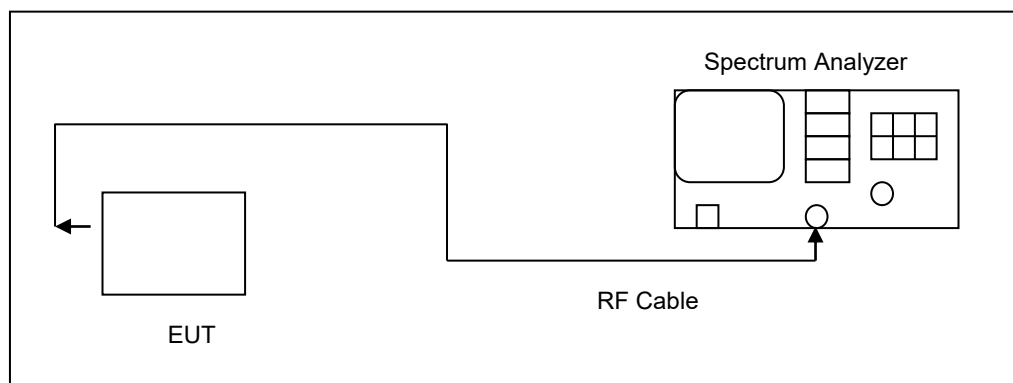
* Conducted Power Spectral Density Limit = $11 - 0.42 = 10.58 \text{ dBm/MHz}$

(5.725 ~ 5.850 GHz)

Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\} = 6.51 \text{ dBi} > 6 \text{ dBi}$

* Conducted Power Spectral Density Limit = $30 - 0.51 = 29.49 \text{ dBm/500 kHz}$

測試架構圖：

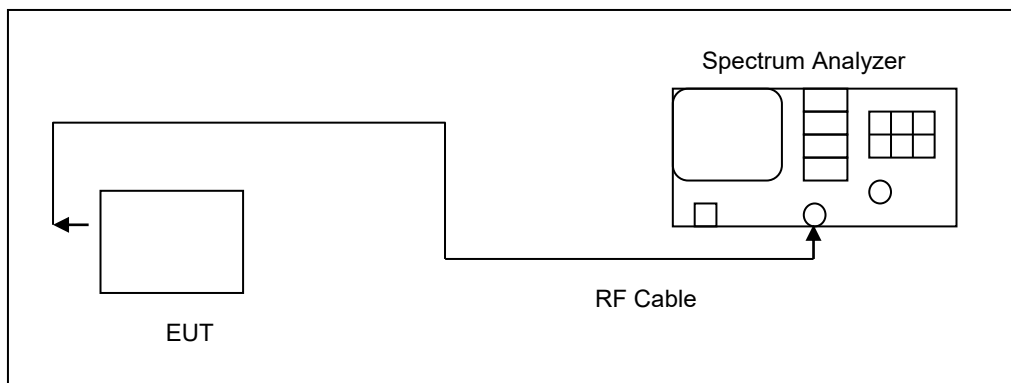


4.3.4 26 dB頻寬之要求

合格標準:

N/A

測試架構圖：

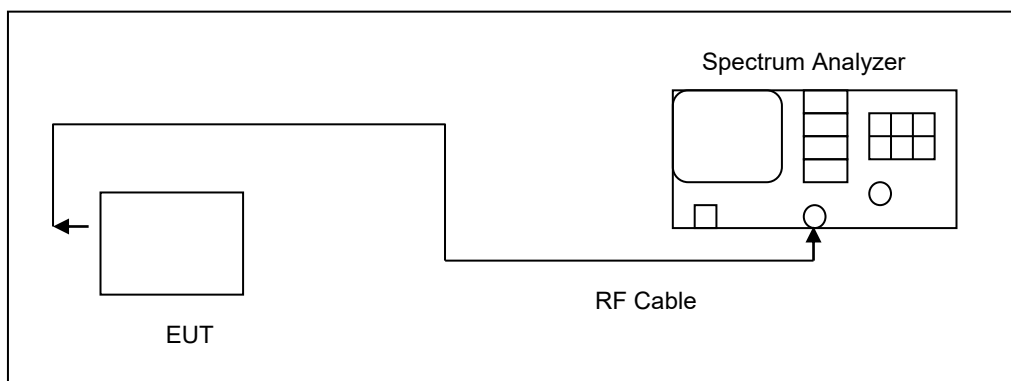


4.3.5 6 dB頻寬之要求

合格標準:

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

測試架構圖：

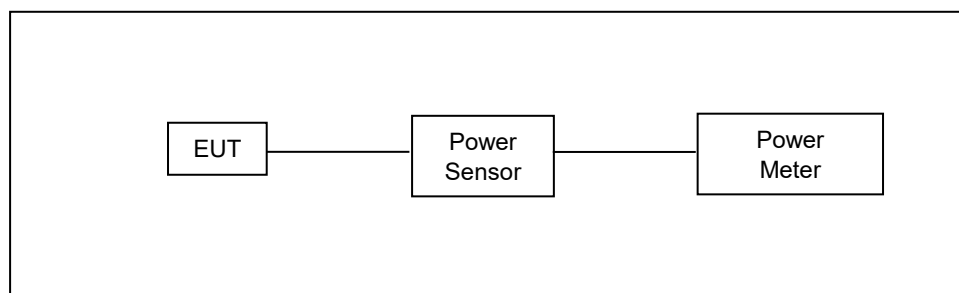


4.3.6 發射功率控制(TPC)之量測

合格標準：

依據 NCC 低功率射頻器材技術規範(LP0002)5.7.7.1 節之要求，發射功率控制(TPC)操作於 5.25 GHz~5.35 GHz 與 5.470 GHz~5.725 GHz 頻帶的設備，應具備發射功率控制功能。設備必須至少具有 6 dB 低於平均 EIRP 值 30 dBm 的能力。EIRP 值低於 500 mW 之系統不須具備 TPC 功能。

測試架構圖：



4.3.7 動態頻率選擇(DFS)之量測

合格標準：

依據 NCC 低功率射頻器材技術規範(LP0002)5.7.7.2 節之要求，操作於 5.25 GHz~5.35 GHz 與 5.470 GHz~5.725 GHz 頻帶之設備應具備動態頻率選擇雷達偵測功能並啟動之，以完整偵測使用頻帶內之雷達訊號，避免與雷達系統

同頻道操作。相關規定如下：

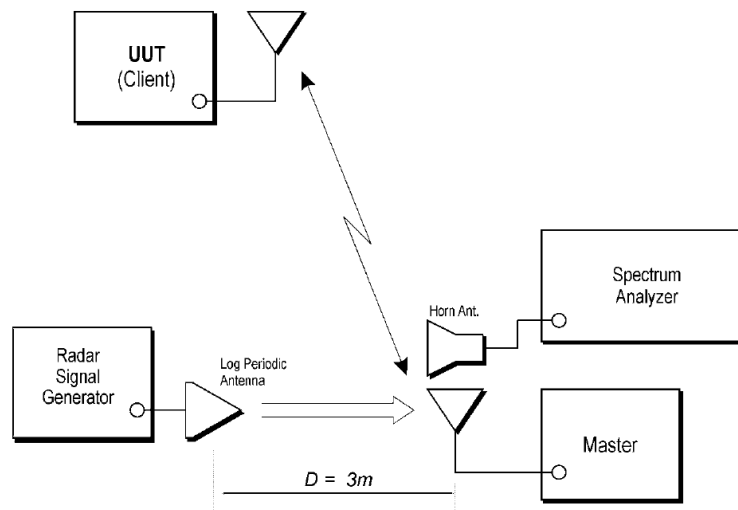
最低動態頻率選擇的偵測門檻

- 最大 EIRP 為 200 mW 至 1 W 之設備，其最低動態頻率選擇的偵測門檻值為-64 dBm。
- 最大 EIRP 低於 200 mW，且功率頻譜密度小於 10 dBm/MHz 之設備，其最低動態頻率選擇的偵測門檻值為-62 dBm。
- 最大 EIRP 低於 200 mW，且功率頻譜密度大於或等於 10 dBm/MHz 之設備，其最低動態頻率選擇的偵測門檻值為-64dBm。
- 此偵測門檻值為 1 微秒內之平均接收功率，並以 0 dBi 天線為參考基準。頻道初始設定得由系統隨機選取或使用者手動選取。

操作模式：動態頻率選擇之規定適用於以下之操作模式：

- 頻道可用性檢查時間之規定，適用於主控運作模式。
- 頻道移動時間之規定，適用於主控及受控運作模式。

測試架構圖：

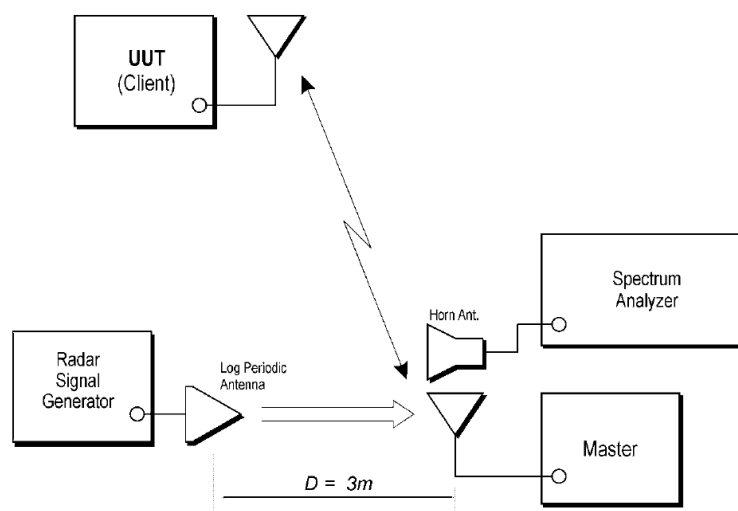


4.3.8 頻道可用性檢查時間之量測

合格標準：

依據 NCC 低功率射頻器材技術規範(LP0002)之 5.7.7.2(3)節之要求，設備必須檢查其可在某一頻道上起始傳送之前是否有雷達系統已經操作在該頻道上，以及何時其必須移動到另一新的頻道，在 60 秒內若沒有偵測到功率位準大過上述之干擾門檻值的雷達信號時，設備才可開始使用該頻道。

測試架構圖：

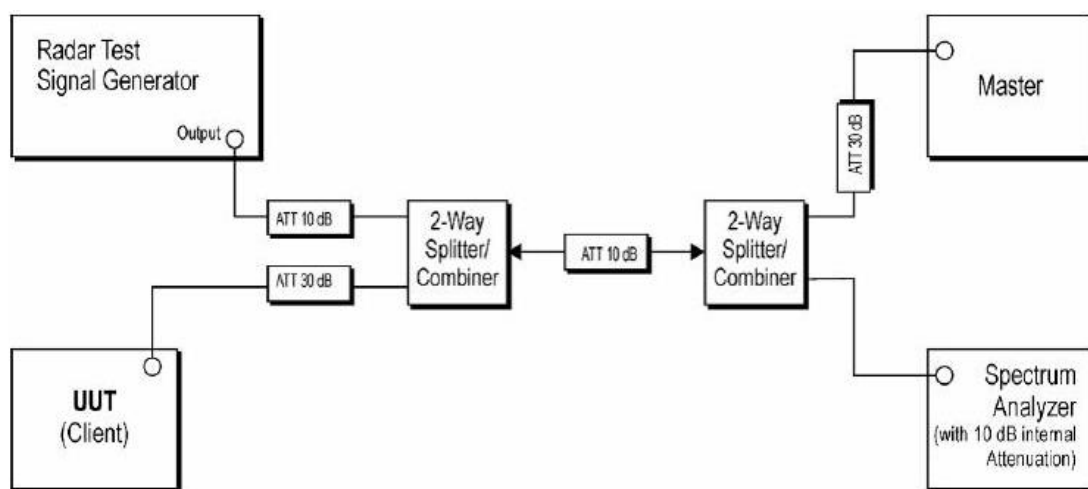


4.3.9 頻道移動時間之量測

合格標準：

依據 NCC 低功率射頻器材技術規範(LP0002)之 5.7.7.2(4)節節之要求，在偵測到雷達的存在後，所有在該操作頻道上的所有傳輸須在 10 秒內停止，在偵測到雷達信號後，該期間內的傳輸應維持最多 200 毫秒的正常通訊。另外，間歇性的管理與控制信號可在剩餘的時間中傳送，以便撤離該操作頻道。

測試架構圖：



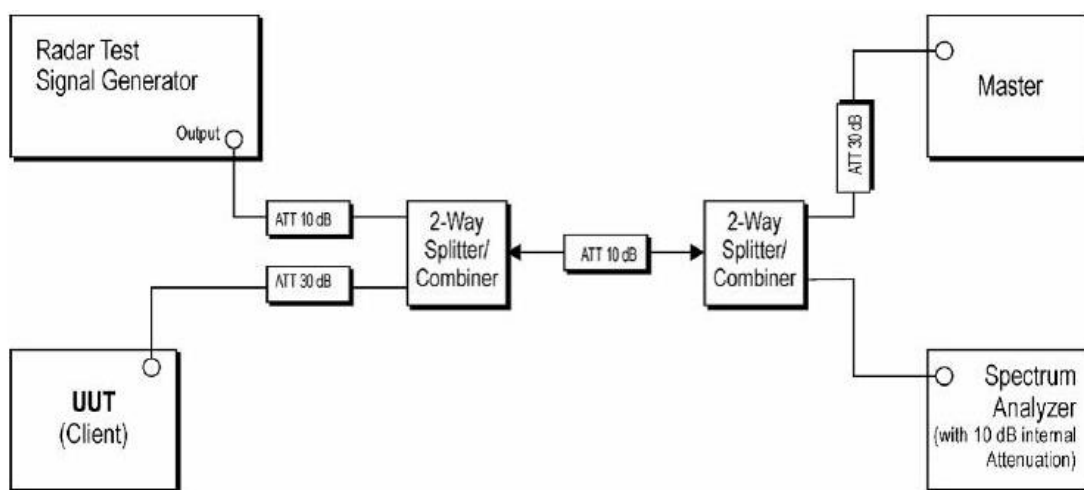
Product		Manufacturer	Model No.	ID
1.	Netgear Access Point	Netgear	R7800	FCC : PY315100319

4.3.10 不可佔用時間之量測

合格標準：

依據 NCC 低功率射頻器材技術規範(LP0002)之 5.7.7.2(5)節節之要求，某一頻道已被頻道可用性檢查或”服務中”監視顯示含有雷達系統，至少須有 30 分鐘的不可佔用期間。不可佔用期間起始於偵測到雷達系統的當時。

測試架構圖：



4.3.11 天線規格之要求

合格標準:

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

判定結果:

符合。

4.3.12 電波暴露量之評估

合格標準:

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

6.20.2.1 職業性/可控制之暴露

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

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：MHz。

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

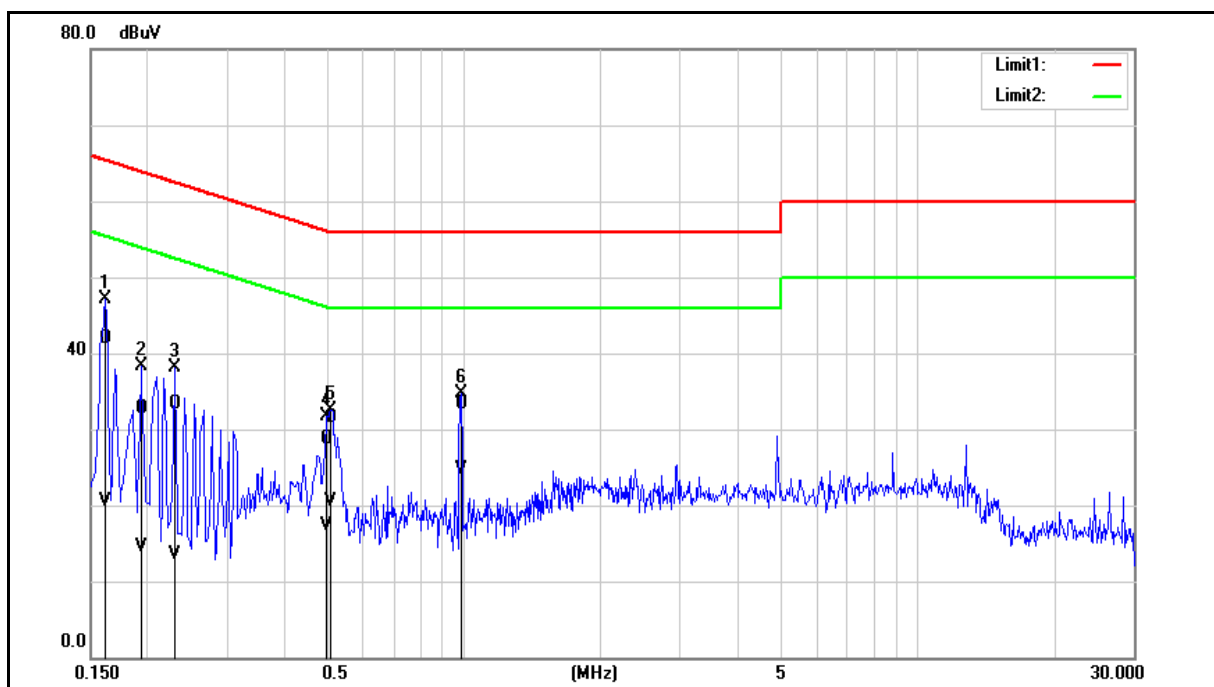
註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：MHz。

5. Test Results

Annex A. Conducted Emission

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

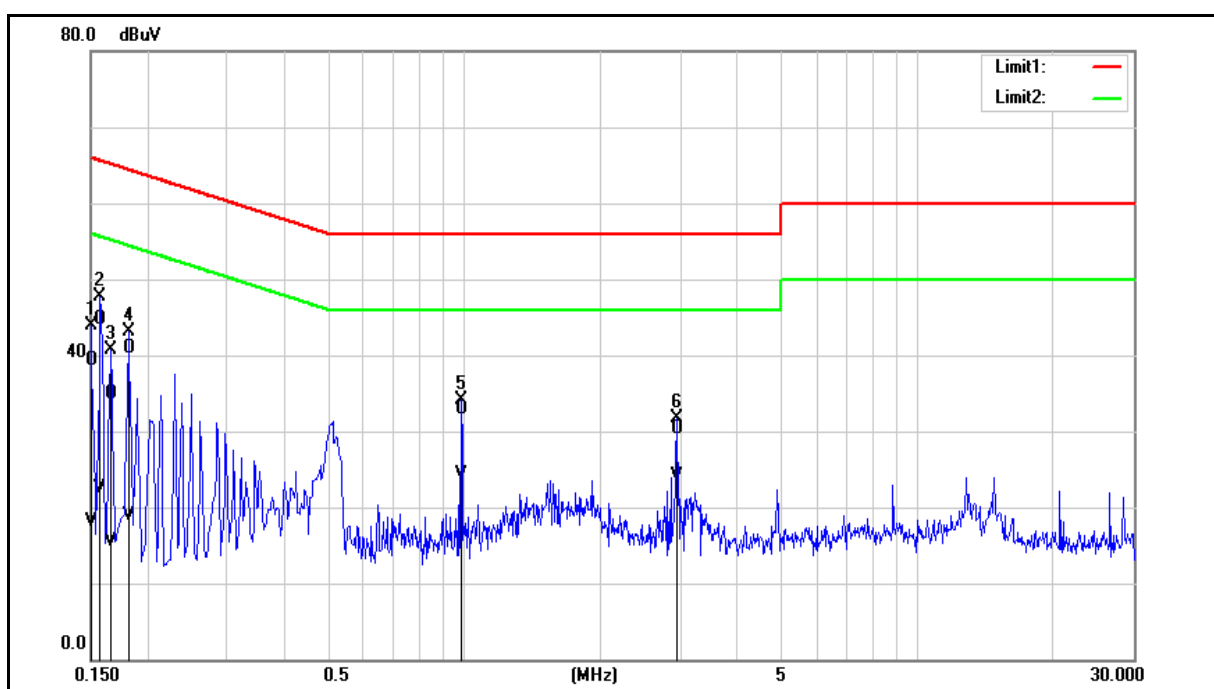


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1620	32.25	10.82	9.70	41.95	20.52	65.36	55.36	-23.41	-34.84	Pass
2	0.1940	23.00	4.85	9.70	32.70	14.55	63.86	53.86	-31.16	-39.31	Pass
3	0.2300	23.54	3.73	9.70	33.24	13.43	62.45	52.45	-29.21	-39.02	Pass
4	0.4980	18.96	7.55	9.71	28.67	17.26	56.03	46.03	-27.36	-28.77	Pass
5	0.5100	21.81	10.73	9.71	31.52	20.44	56.00	46.00	-24.48	-25.56	Pass
6	0.9860	23.54	14.95	9.71	33.25	24.66	56.00	46.00	-22.75	-21.34	Pass

註：1. 干擾值(dBuV) = 校正係數(dB) + 讀值(dBuV)。

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

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



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1500	29.67	8.36	9.69	39.36	18.05	66.00	56.00	-26.64	-37.95	Pass
2	0.1580	35.11	12.85	9.69	44.80	22.54	65.57	55.57	-20.77	-33.03	Pass
3	0.1660	25.28	5.83	9.69	34.97	15.52	65.16	55.16	-30.19	-39.64	Pass
4	0.1820	31.17	9.13	9.69	40.86	18.82	64.39	54.39	-23.53	-35.57	Pass
5	0.9860	23.26	14.58	9.70	32.96	24.28	56.00	46.00	-23.04	-21.72	Pass

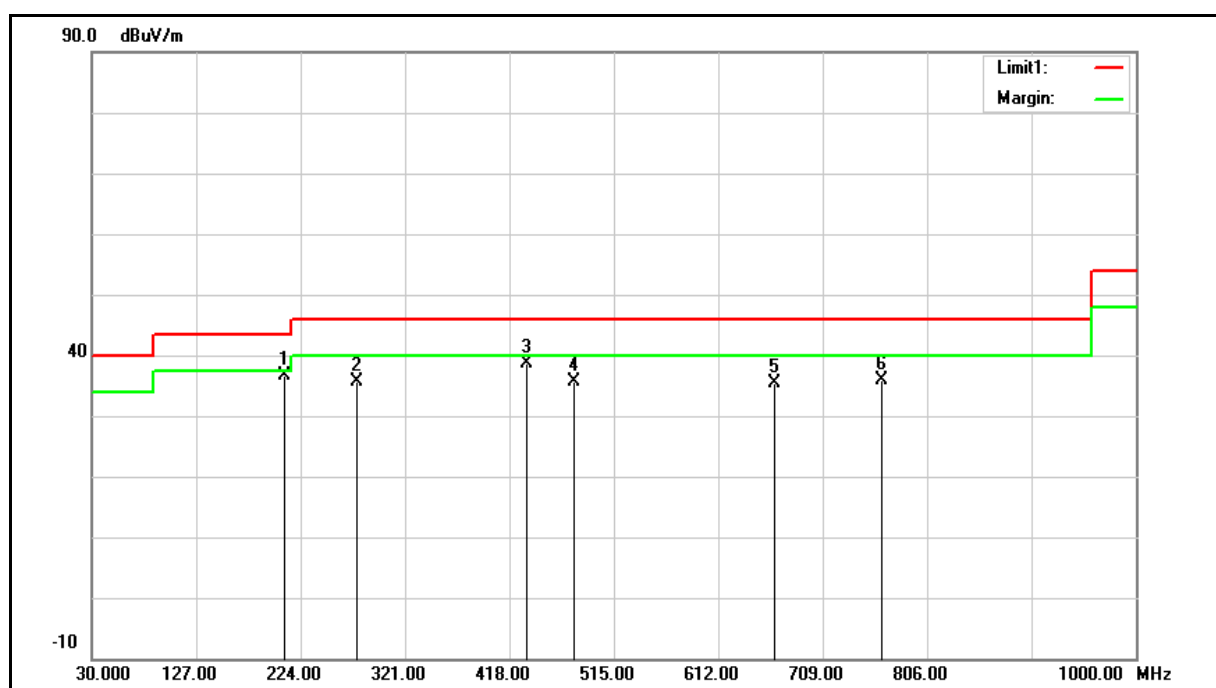
註：1. 干擾值(dBuV) = 校正係數(dB) + 讀值(dBuV)。

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

Annex B. Radiated Emission Measurement

其它不必要之訊號 (1 GHz 以下)

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	208.4800	46.64	-9.90	36.74	43.50	-6.76	QP
2	276.3800	42.99	-7.24	35.75	46.00	-10.25	QP
3	433.5200	42.77	-4.25	38.52	46.00	-7.48	QP
4	478.1400	39.38	-3.82	35.56	46.00	-10.44	QP
5	664.3800	35.93	-0.58	35.35	46.00	-10.65	QP
6	764.2900	34.83	0.98	35.81	46.00	-10.19	QP

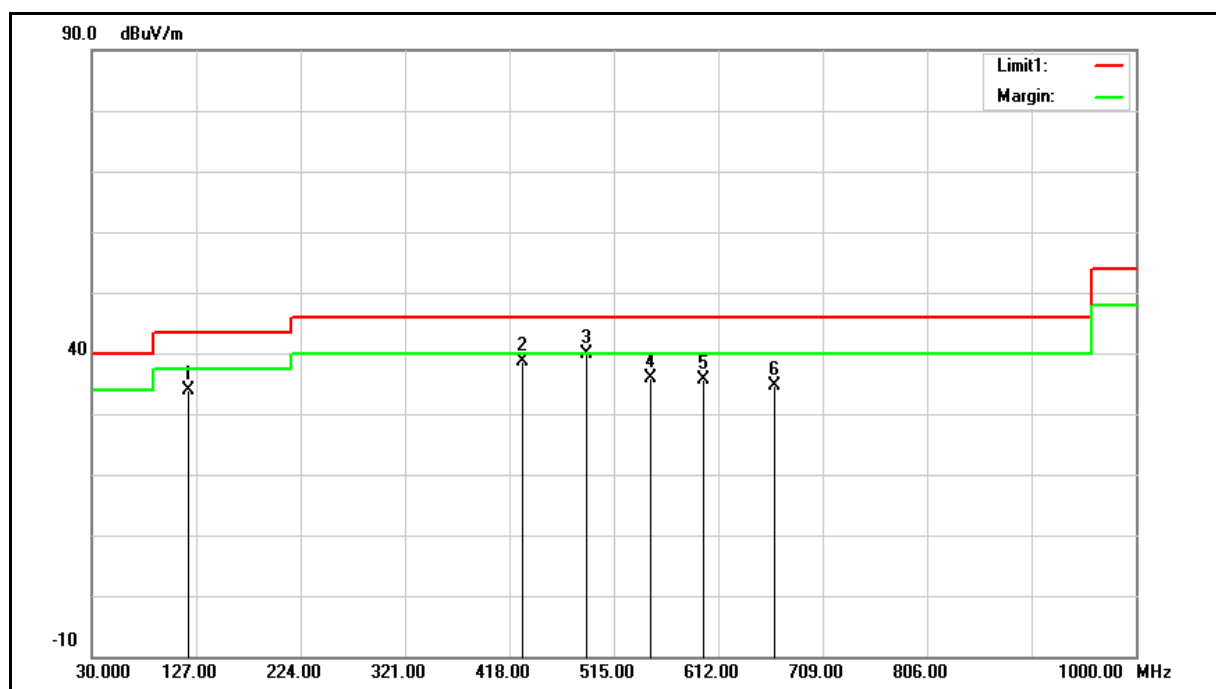
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 36.74 = -9.90 + 46.64.

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	119.2400	43.98	-10.09	33.89	43.50	-9.61	QP
2	429.6400	42.85	-4.32	38.53	46.00	-7.47	QP
3	489.7800	43.74	-3.75	39.99	46.00	-6.01	QP
4	548.9500	38.50	-2.53	35.97	46.00	-10.03	QP
5	598.4200	37.09	-1.36	35.73	46.00	-10.27	QP
6	664.3800	35.12	-0.58	34.54	46.00	-11.46	QP

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

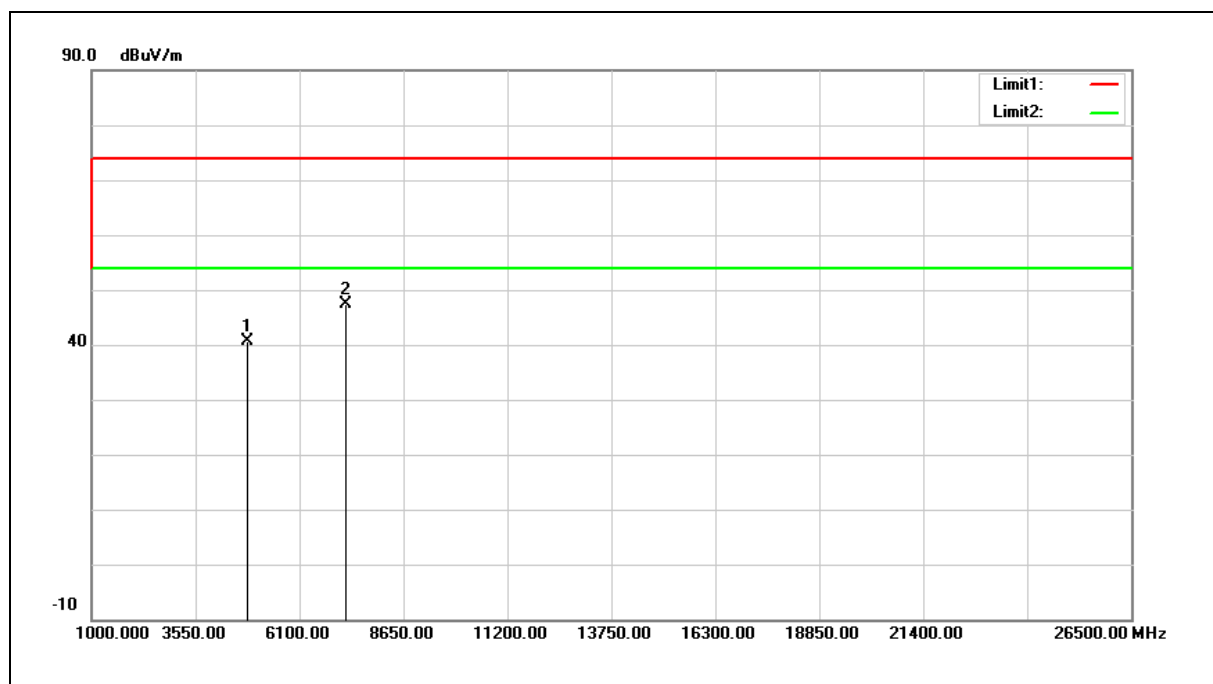
Example: $33.89 = -10.09 + 43.98$.

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

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

場強輻射量側 (1 GHz 以上)

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	37.88	2.84	40.72	74.00	-33.28	peak
2	7236.000	38.38	8.91	47.29	74.00	-26.71	peak

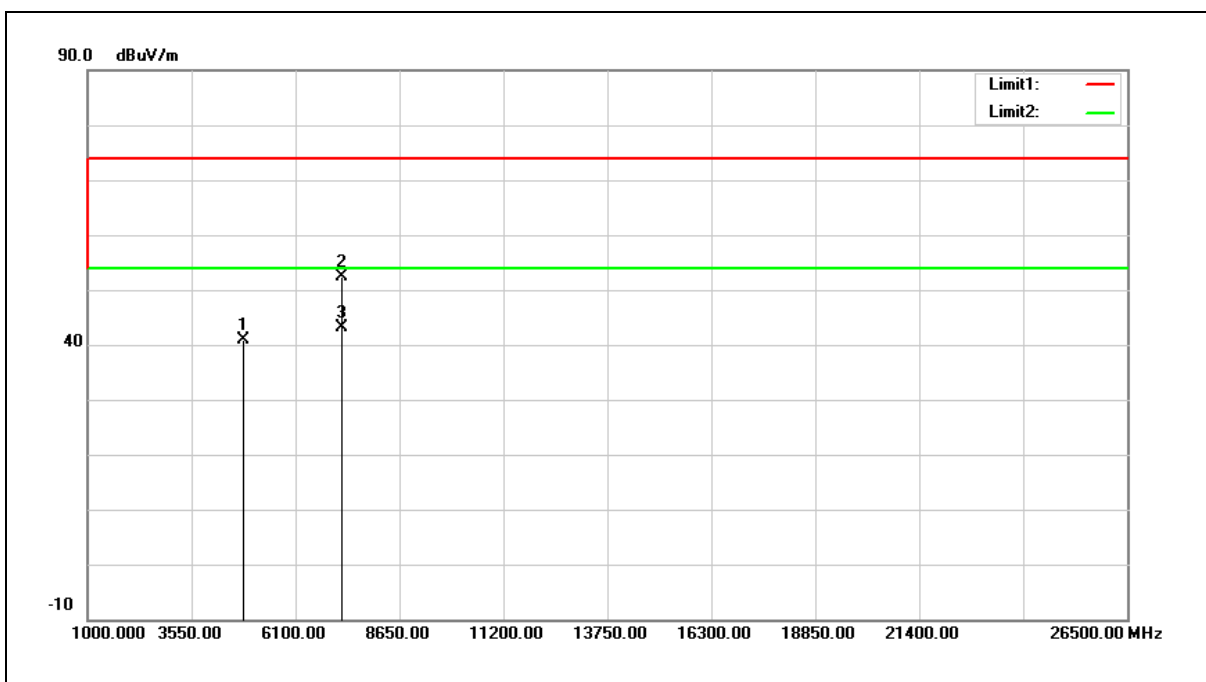
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: $40.72 = 2.84 + 37.88$.

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	37.93	2.84	40.77	74.00	-33.23	peak
2	7236.000	43.50	8.91	52.41	74.00	-21.59	peak
3	7236.000	34.34	8.91	43.25	54.00	-10.75	AVG

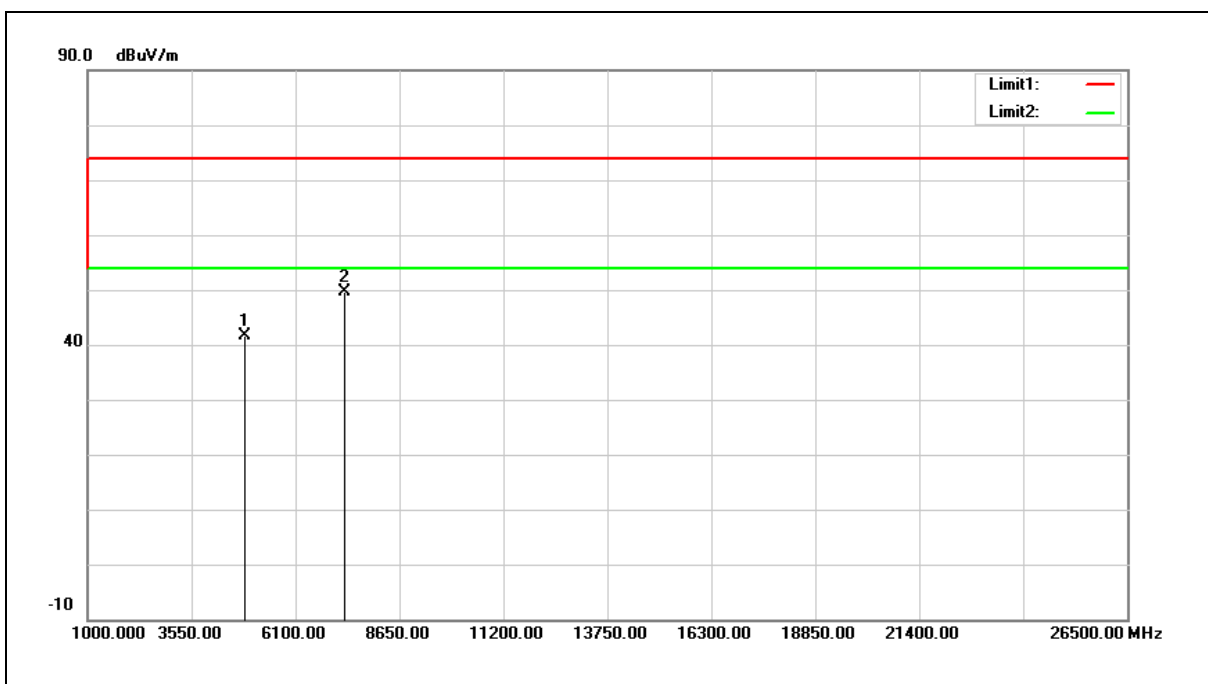
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

Example: $40.77 = 2.84 + 37.93$.

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

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

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



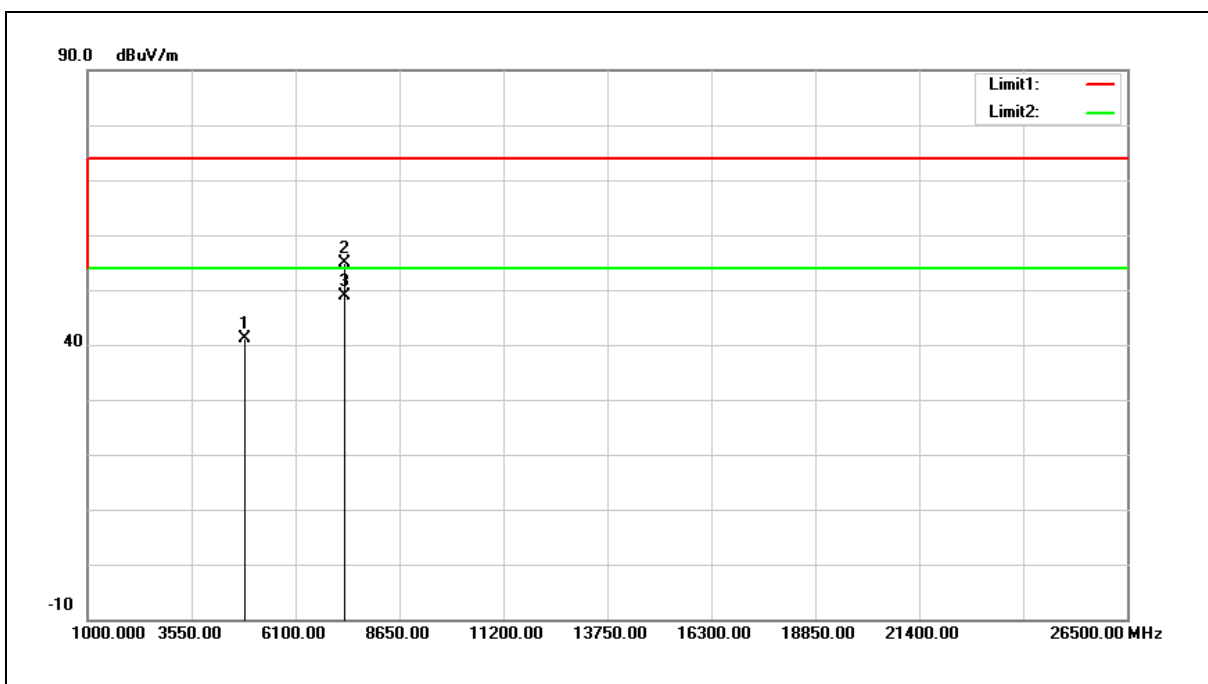
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	38.63	2.96	41.59	74.00	-32.41	peak
2	7311.000	40.44	9.14	49.58	74.00	-24.42	peak

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



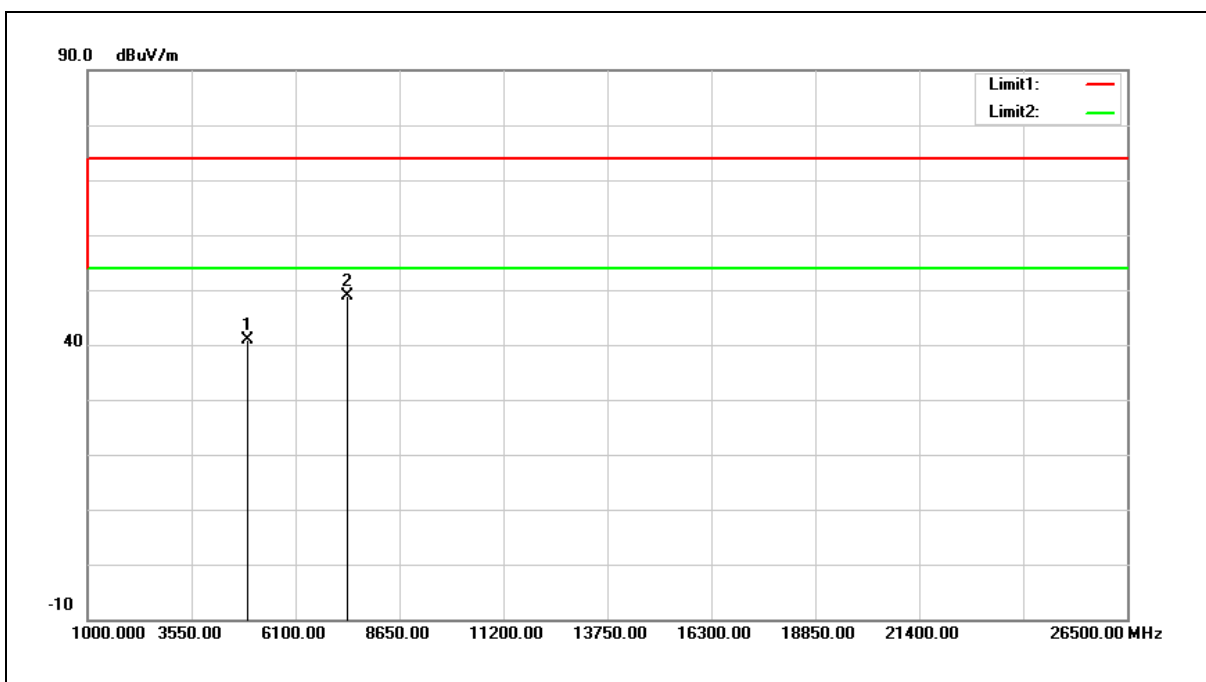
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	38.05	2.96	41.01	74.00	-32.99	peak
2	7311.000	45.76	9.14	54.90	74.00	-19.10	peak
3	7311.000	39.72	9.14	48.86	54.00	-5.14	AVG

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

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

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

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



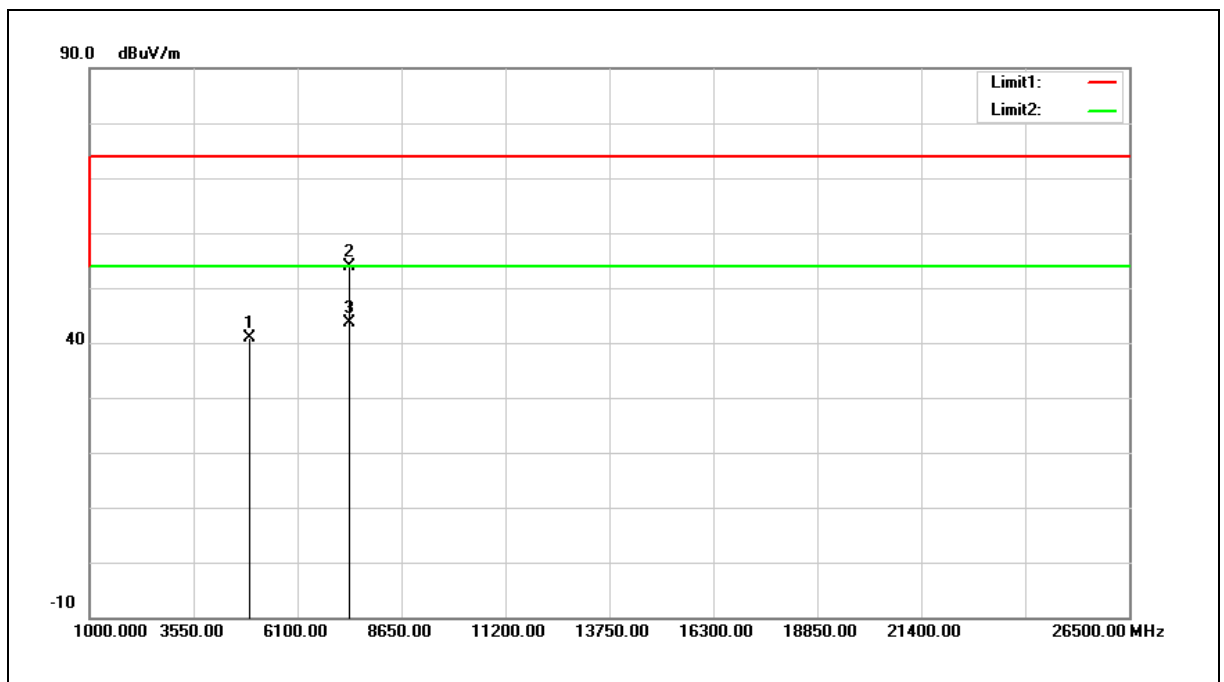
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	37.82	3.08	40.90	74.00	-33.10	peak
2	7386.000	39.59	9.38	48.97	74.00	-25.03	peak

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



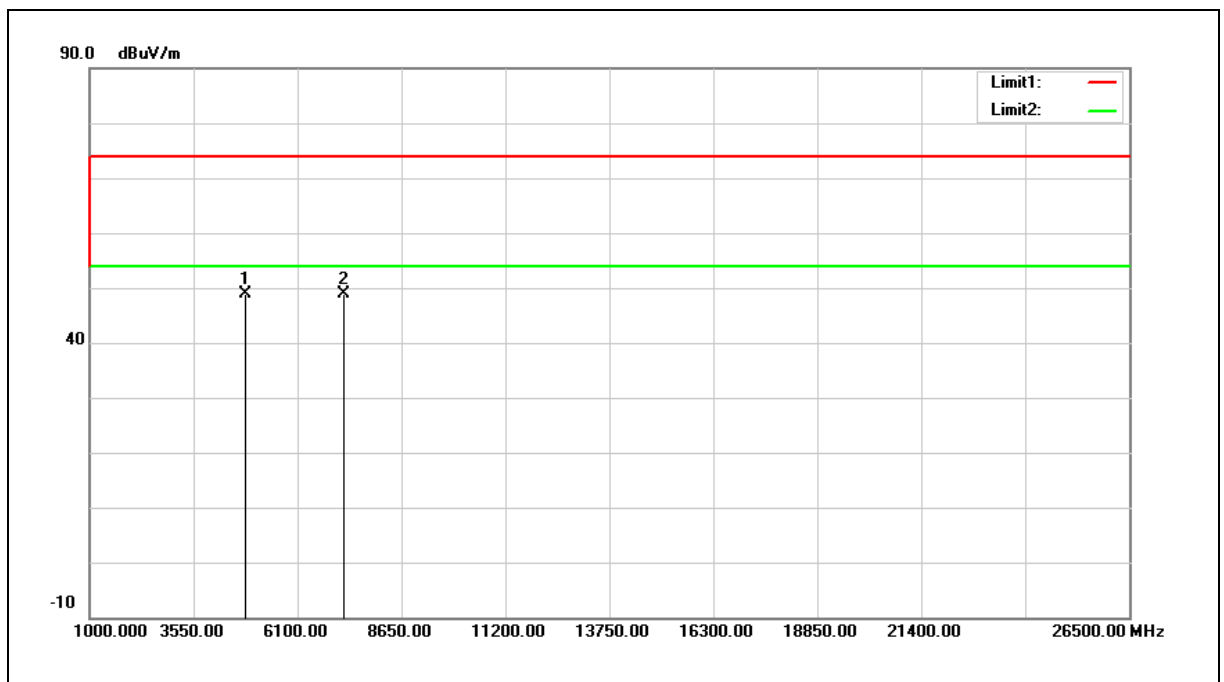
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	37.77	3.08	40.85	74.00	-33.15	peak
2	7386.000	44.45	9.38	53.83	74.00	-20.17	peak
3	7386.000	34.23	9.38	43.61	54.00	-10.39	AVG

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

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

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

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



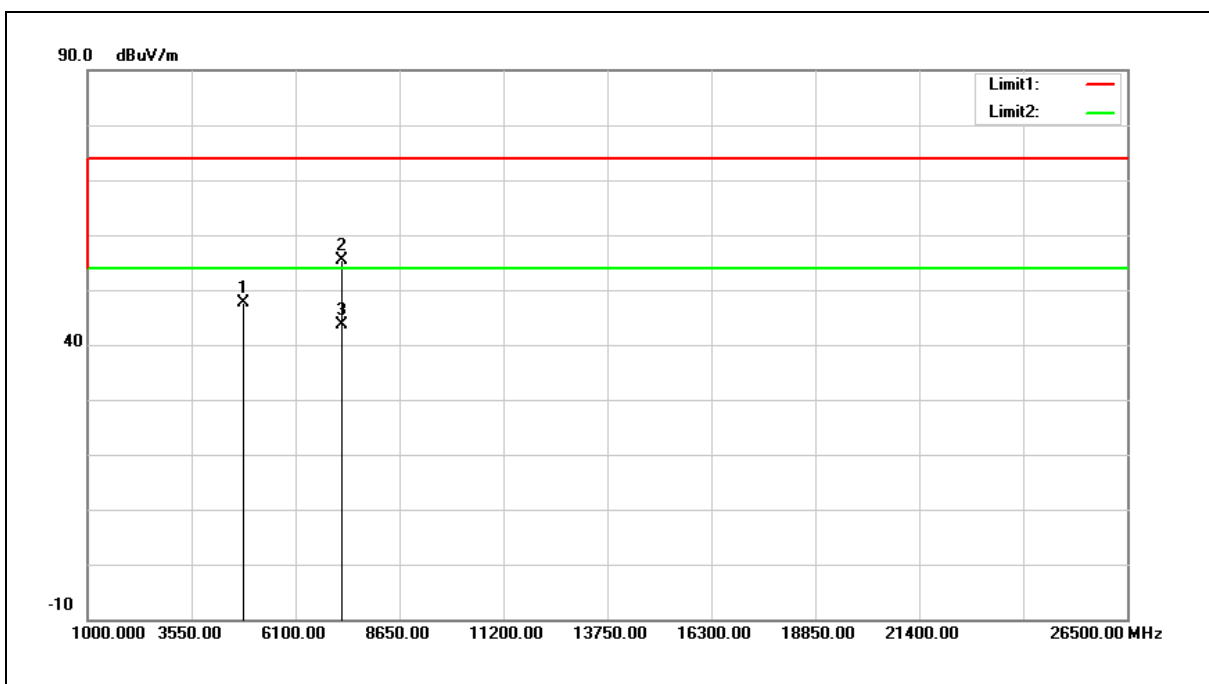
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	45.98	2.84	48.82	74.00	-25.18	peak
2	7236.000	39.87	8.91	48.78	74.00	-25.22	peak

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

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

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

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



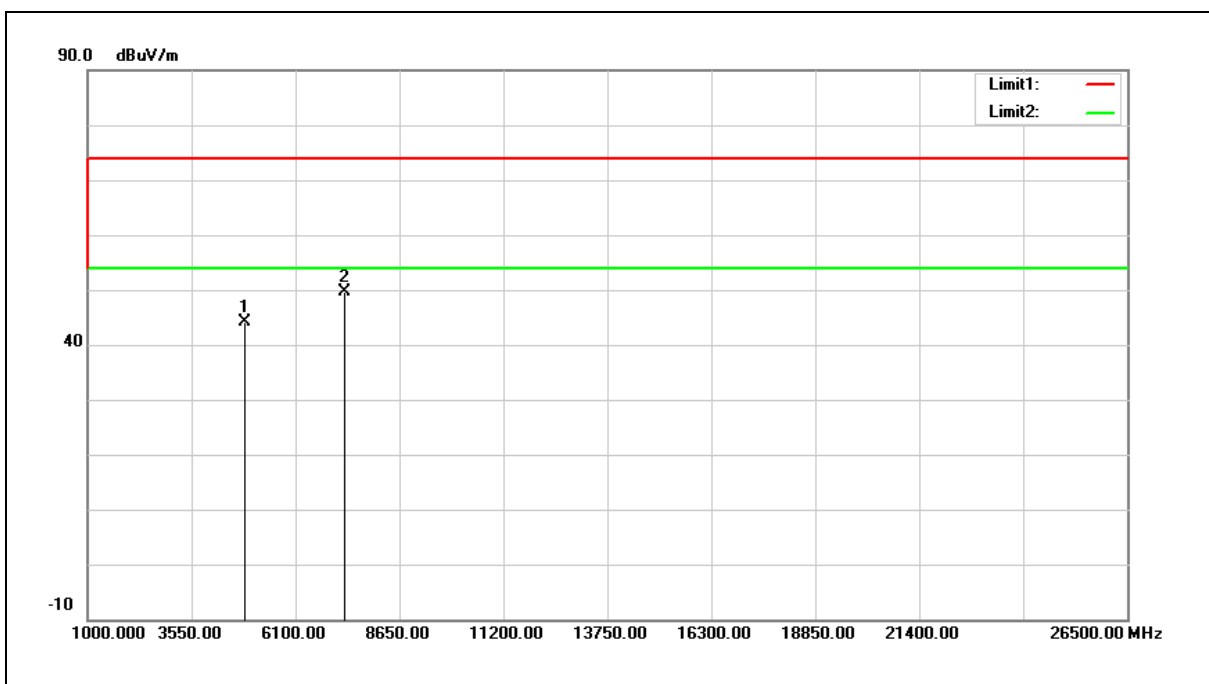
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	44.70	2.84	47.54	74.00	-26.46	peak
2	7236.000	46.47	8.91	55.38	74.00	-18.62	peak
3	7236.000	34.68	8.91	43.59	54.00	-10.41	AVG

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

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

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

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



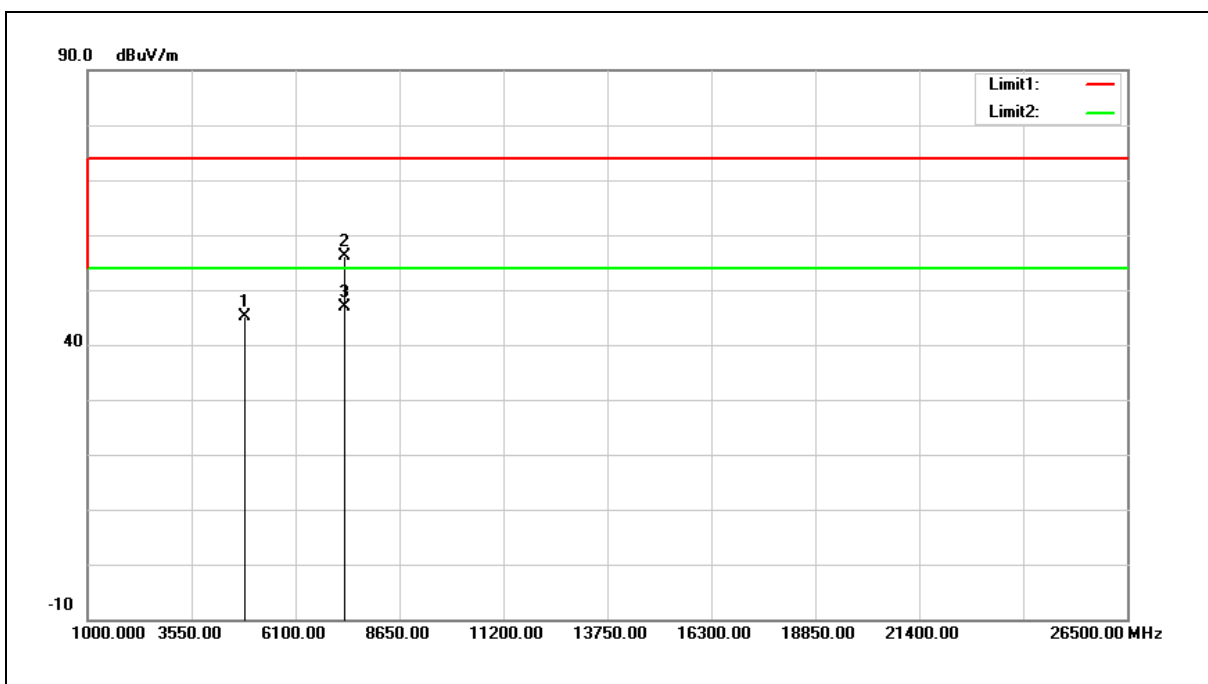
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	41.12	2.96	44.08	74.00	-29.92	peak
2	7311.000	40.45	9.14	49.59	74.00	-24.41	peak

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

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

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

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



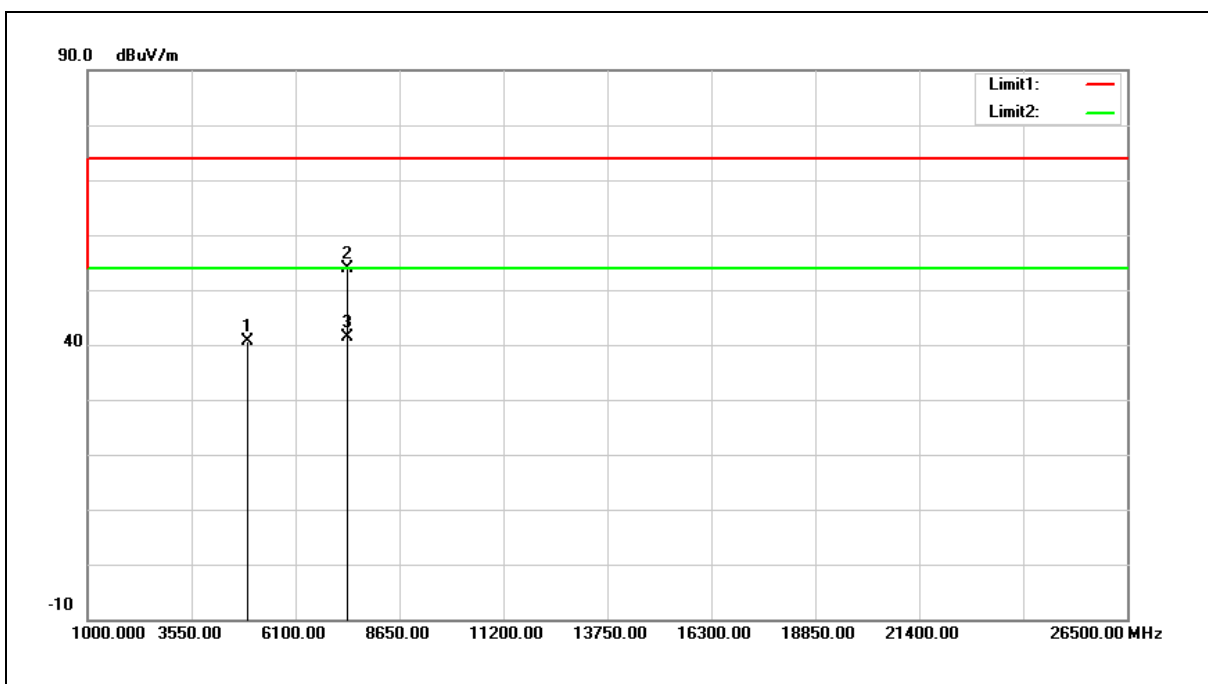
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	42.06	2.96	45.02	74.00	-28.98	peak
2	7311.000	46.99	9.14	56.13	74.00	-17.87	peak
3	7311.000	37.75	9.14	46.89	54.00	-7.11	AVG

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

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

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

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



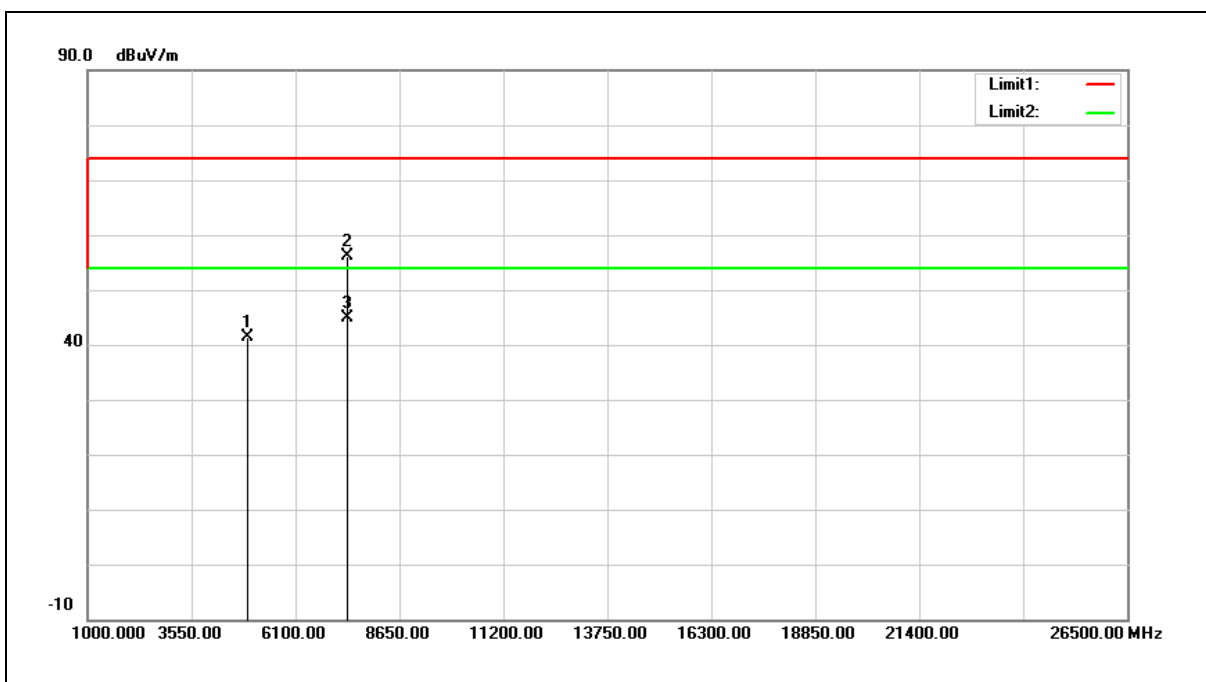
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	37.67	3.08	40.75	74.00	-33.25	peak
2	7386.000	44.53	9.38	53.91	74.00	-20.09	peak
3	7386.000	31.99	9.38	41.37	54.00	-12.63	AVG

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



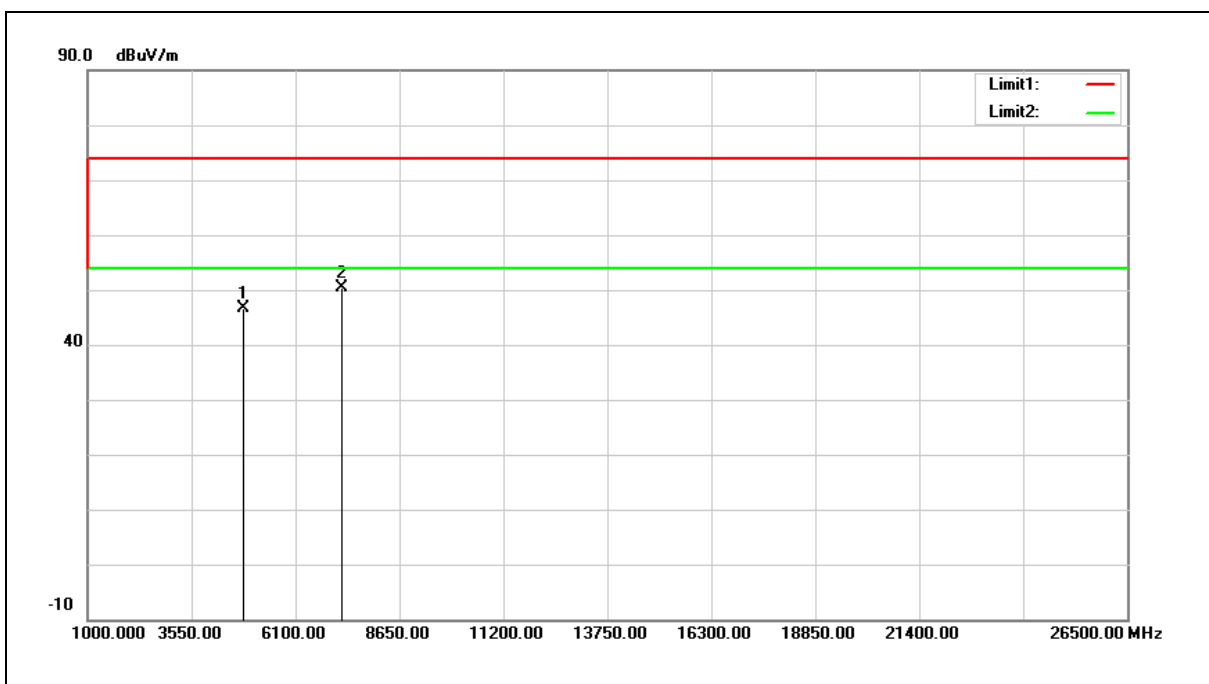
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	38.34	3.08	41.42	74.00	-32.58	peak
2	7386.000	46.82	9.38	56.20	74.00	-17.80	peak
3	7386.000	35.58	9.38	44.96	54.00	-9.04	AVG

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

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

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

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



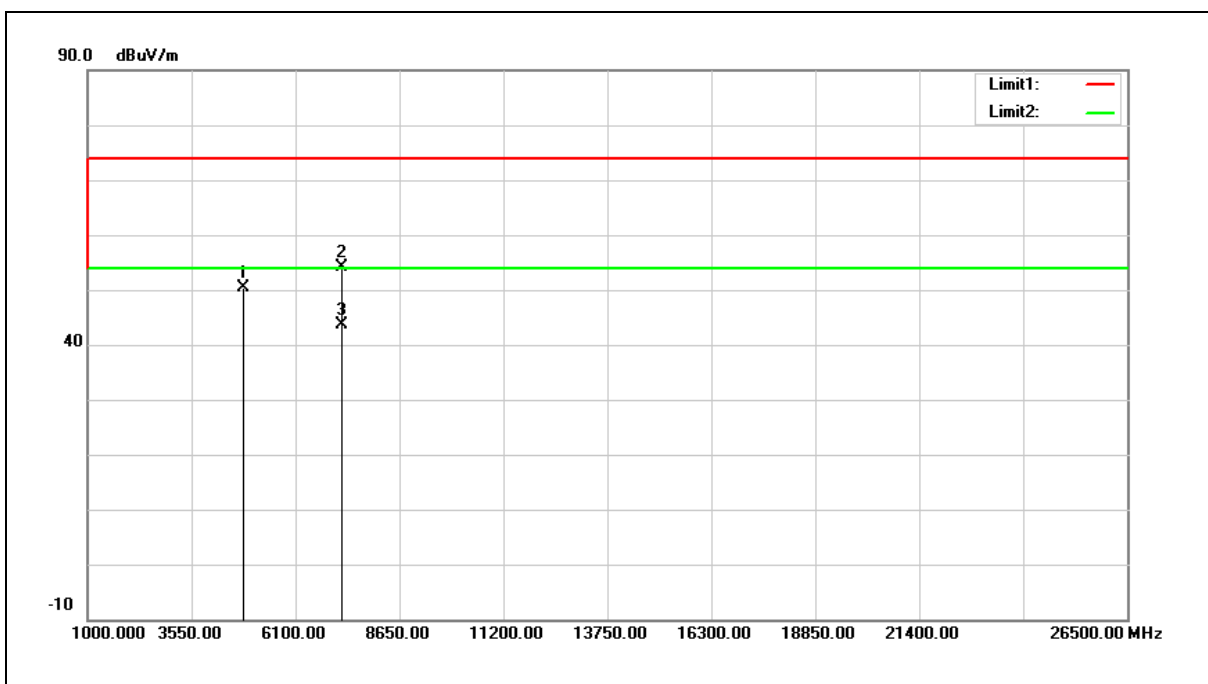
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	43.91	2.84	46.75	74.00	-27.25	peak
2	7236.000	41.40	8.91	50.31	74.00	-23.69	peak

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



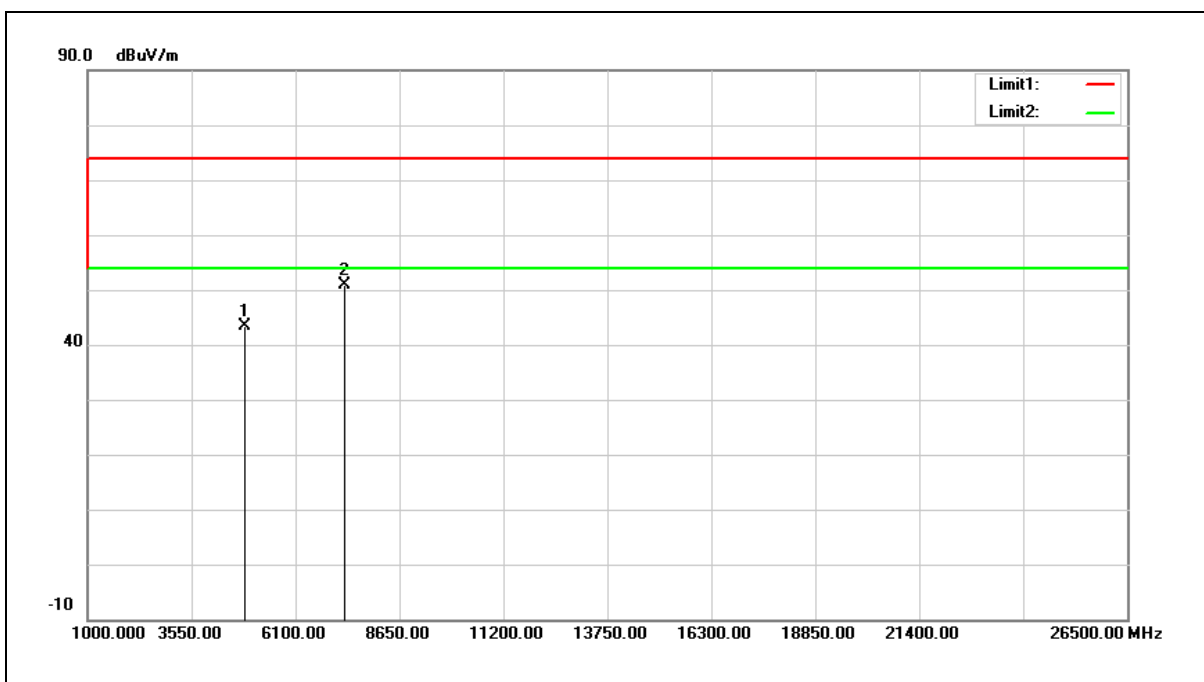
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	47.55	2.84	50.39	74.00	-23.61	peak
2	7236.000	45.13	8.91	54.04	74.00	-19.96	peak
3	7236.000	34.62	8.91	43.53	54.00	-10.47	AVG

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

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

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

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



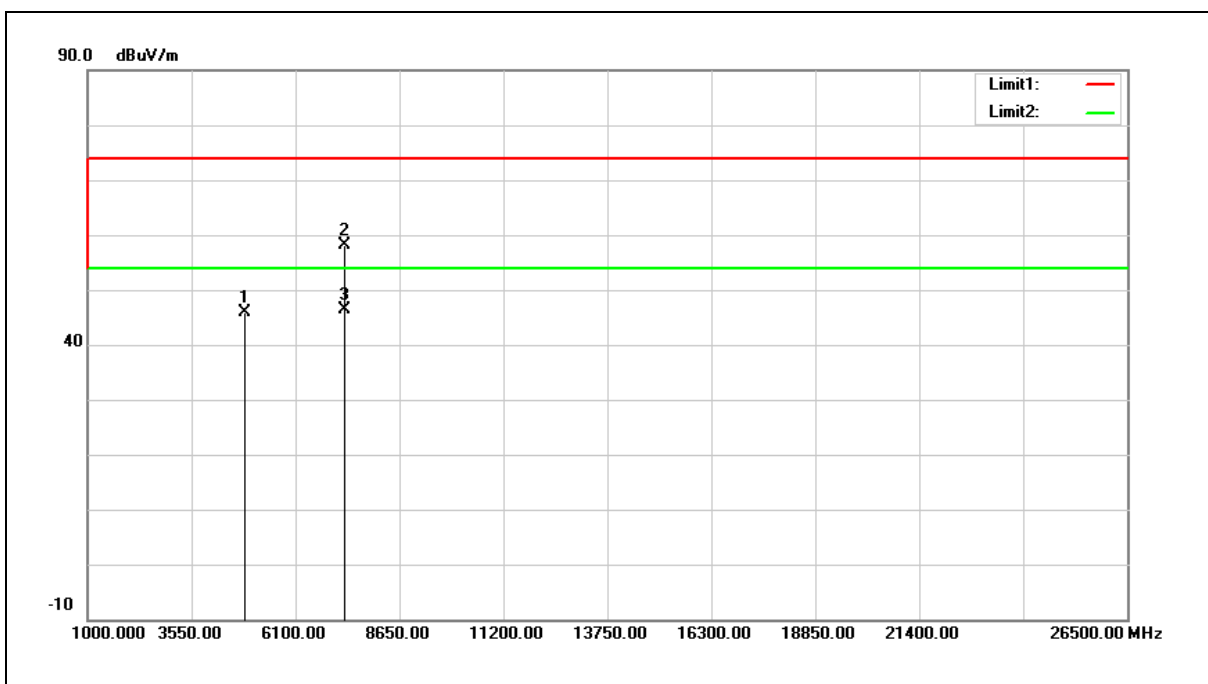
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	40.34	2.96	43.30	74.00	-30.70	peak
2	7311.000	41.68	9.14	50.82	74.00	-23.18	peak

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

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

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

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



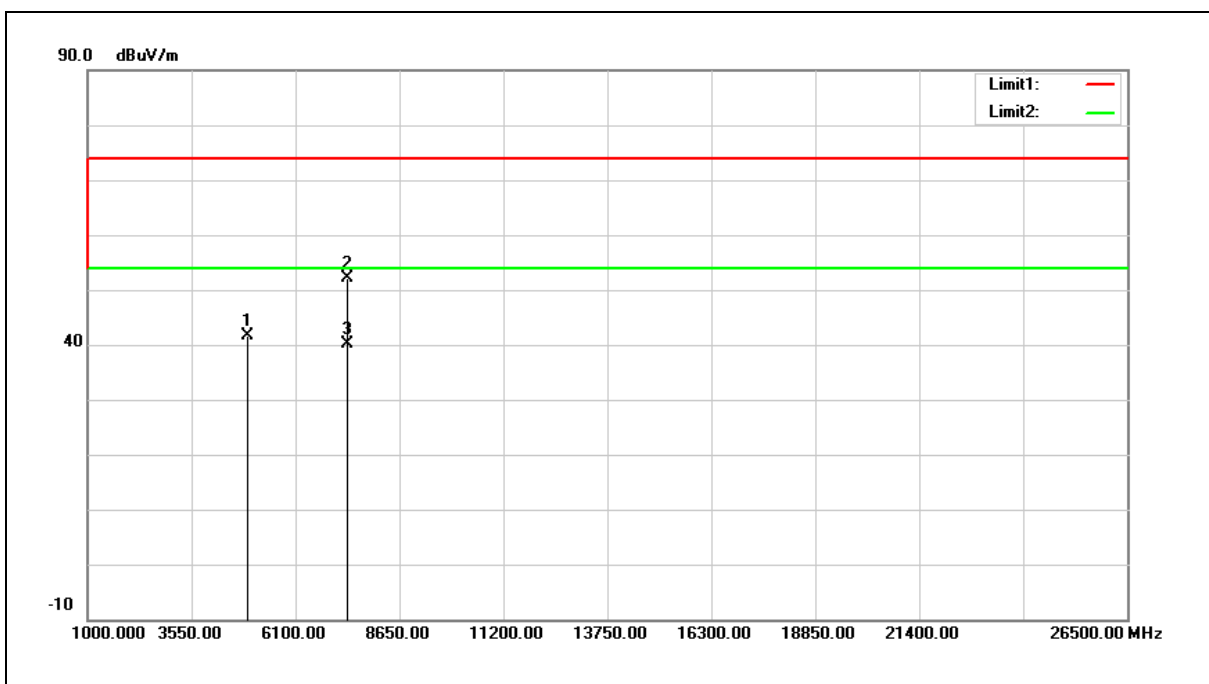
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	42.83	2.96	45.79	74.00	-28.21	peak
2	7311.000	49.05	9.14	58.19	74.00	-15.81	peak
3	7311.000	37.18	9.14	46.32	54.00	-7.68	AVG

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

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

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

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



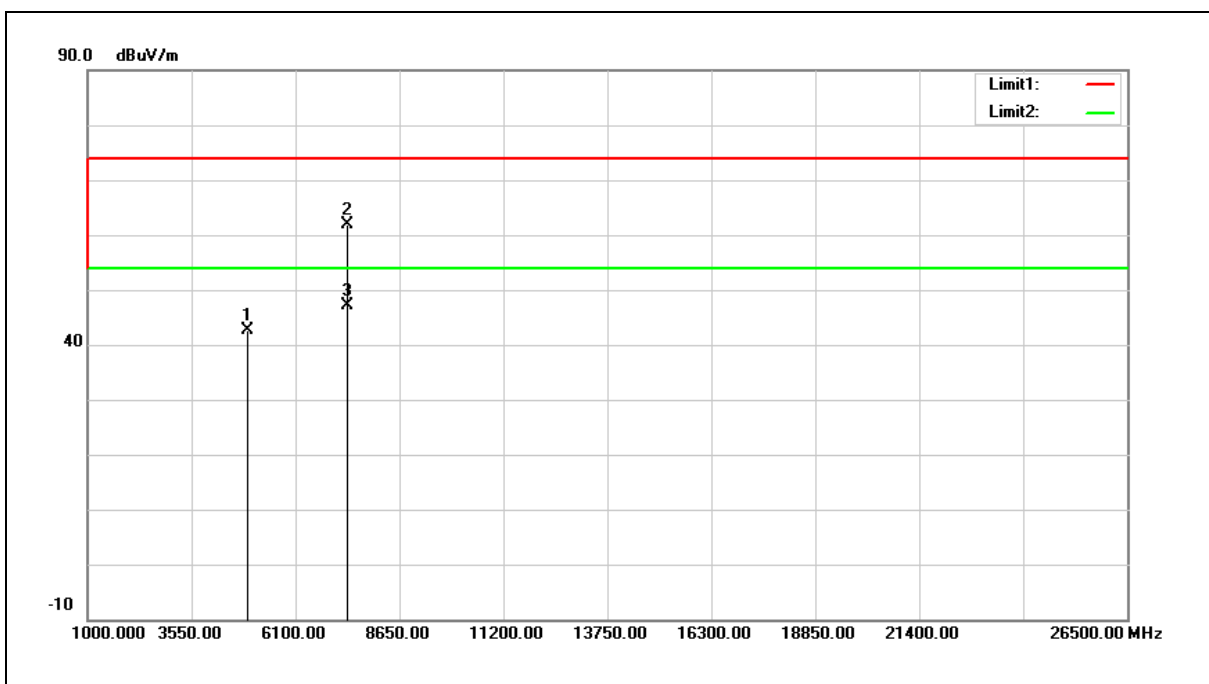
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	38.48	3.08	41.56	74.00	-32.44	peak
2	7386.000	42.80	9.38	52.18	74.00	-21.82	peak
3	7386.000	30.77	9.38	40.15	54.00	-13.85	AVG

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Harmonic		
Frequency:	2462 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



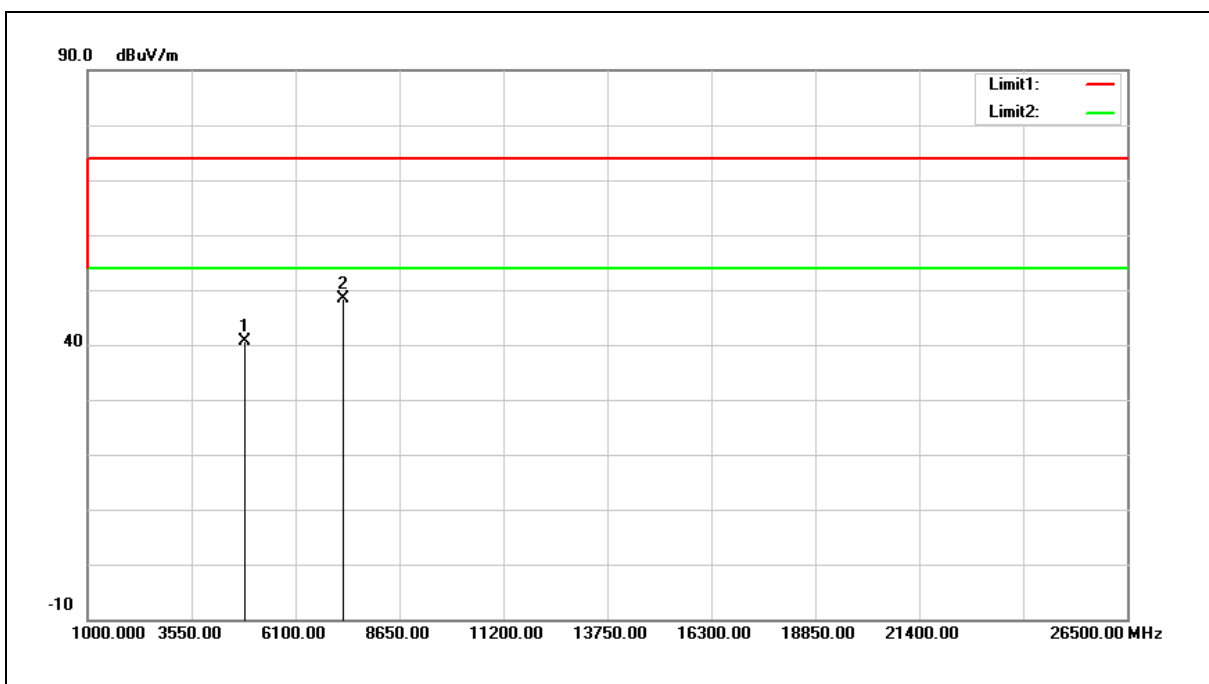
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	39.45	3.08	42.53	74.00	-31.47	peak
2	7386.000	52.39	9.38	61.77	74.00	-12.23	peak
3	7386.000	37.68	9.38	47.06	54.00	-6.94	AVG

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Harmonic		
Frequency:	2422 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



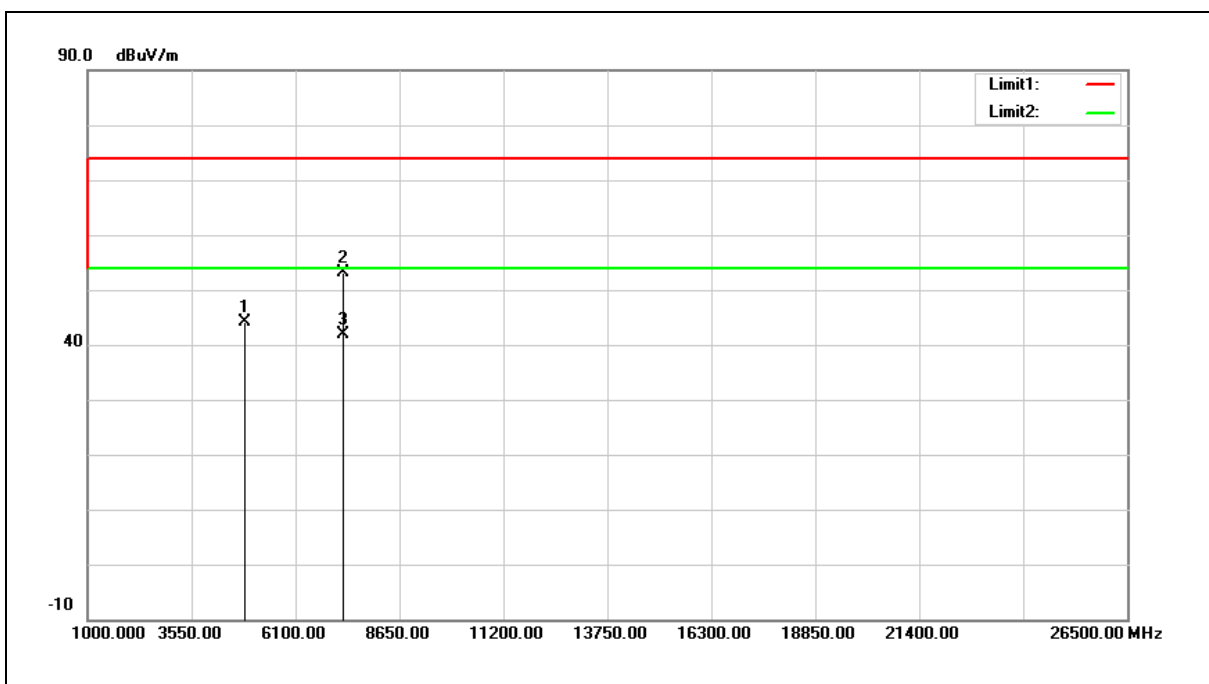
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	37.84	2.90	40.74	74.00	-33.26	peak
2	7266.000	39.27	9.00	48.27	74.00	-25.73	peak

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:	3m
Test item:	Harmonic		
Frequency:	2422 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		



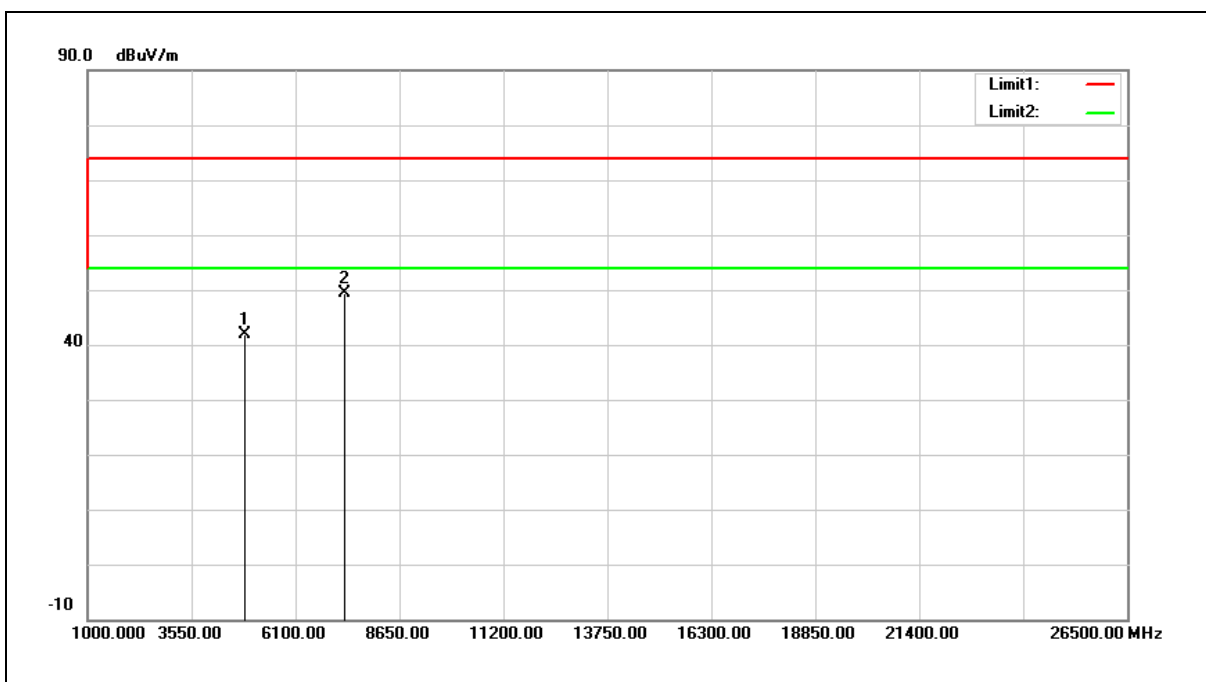
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	41.34	2.90	44.24	74.00	-29.76	peak
2	7266.000	44.03	9.00	53.03	74.00	-20.97	peak
3	7266.000	32.97	9.00	41.97	54.00	-12.03	AVG

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Harmonic		
Frequency:	2437 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



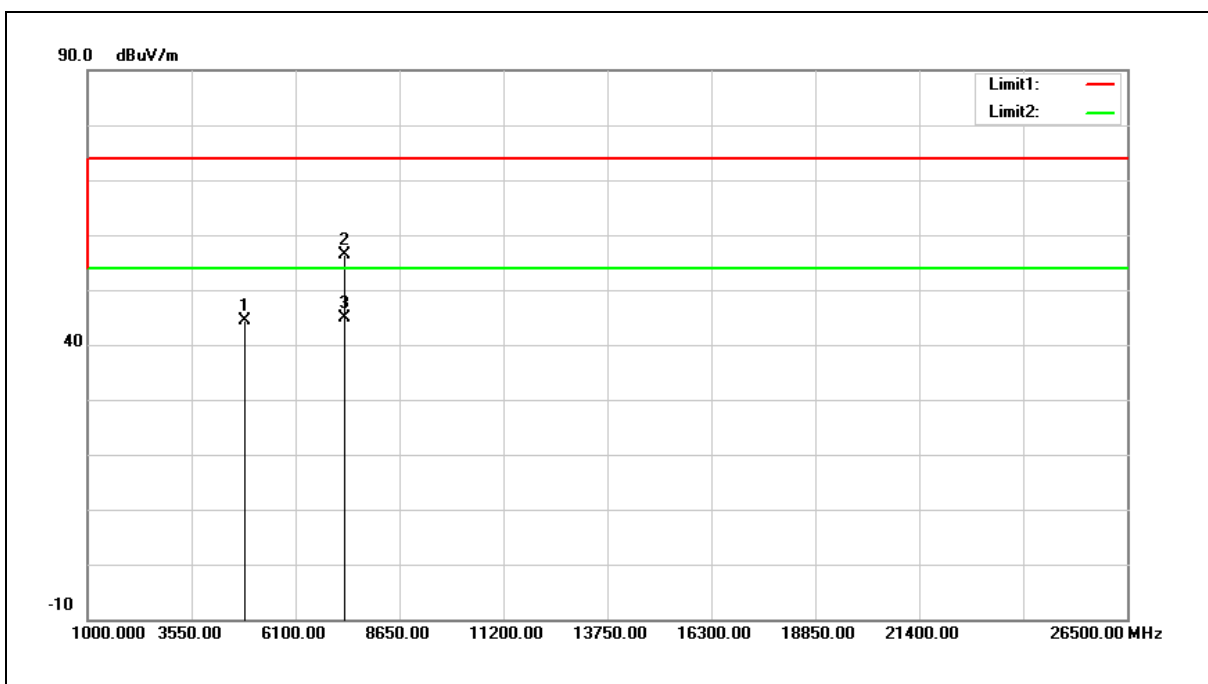
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	38.95	2.96	41.91	74.00	-32.09	peak
2	7311.000	40.32	9.14	49.46	74.00	-24.54	peak

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:	3m
Test item:	Harmonic		
Frequency:	2437 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		



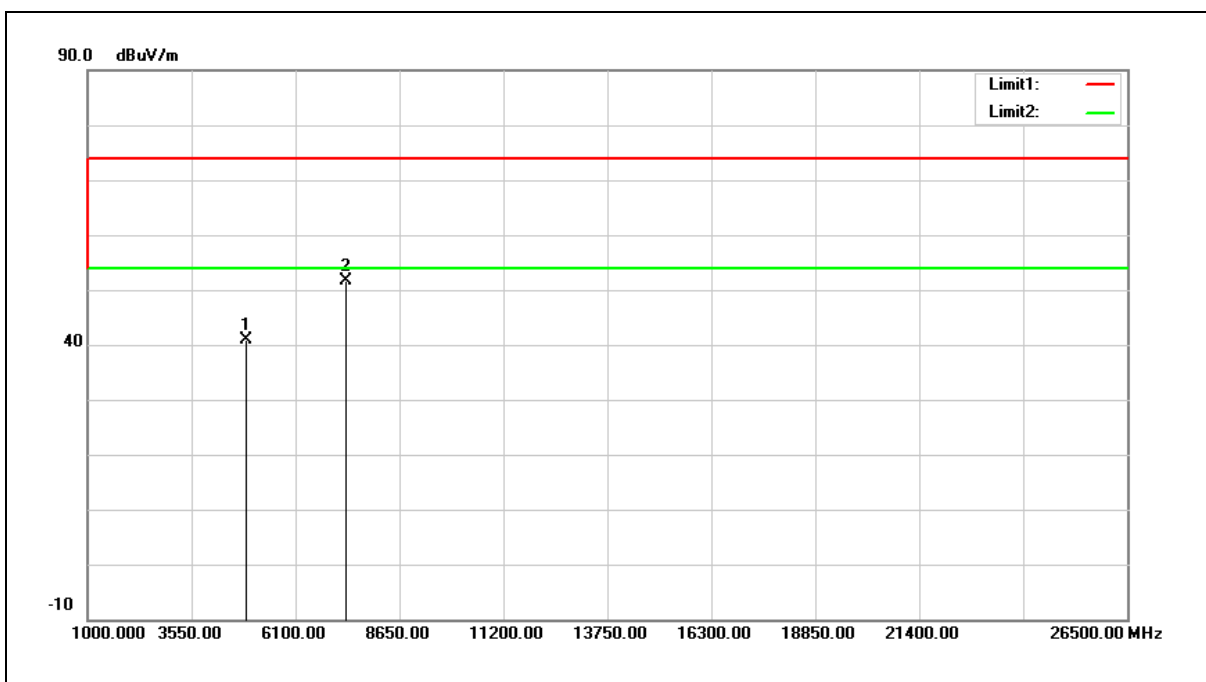
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	41.30	2.96	44.26	74.00	-29.74	peak
2	7311.000	47.22	9.14	56.36	74.00	-17.64	peak
3	7311.000	35.68	9.14	44.82	54.00	-9.18	AVG

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Harmonic		
Frequency:	2452 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



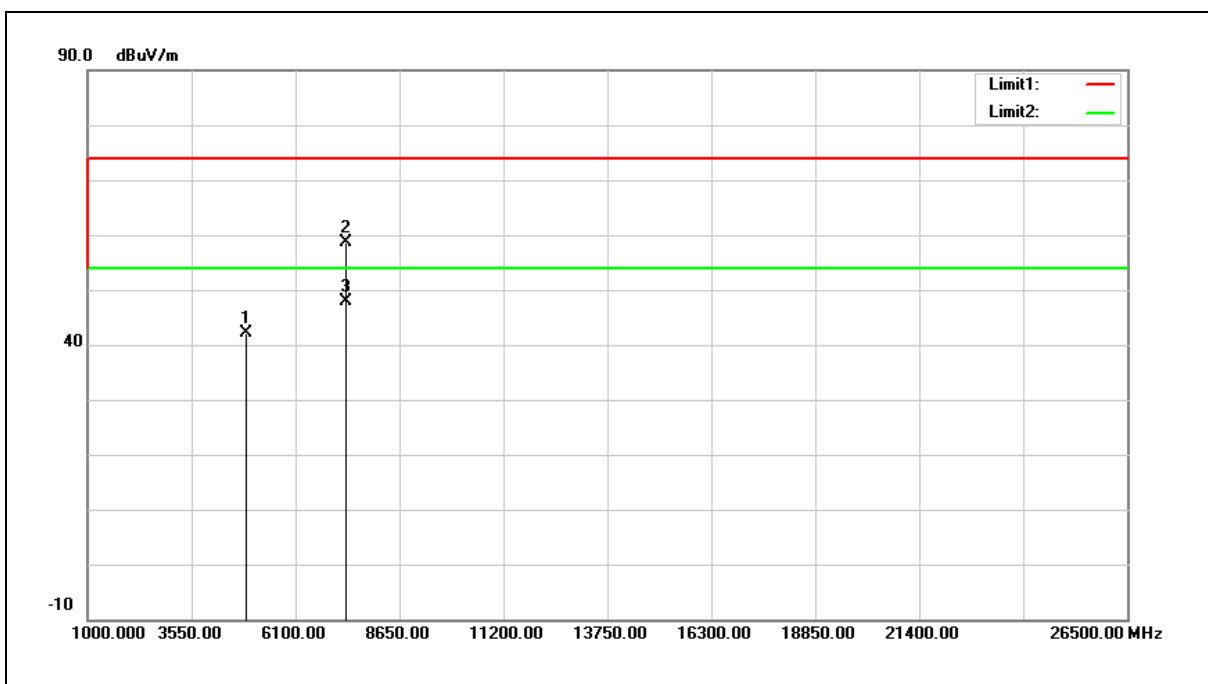
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	37.92	3.03	40.95	74.00	-33.05	peak
2	7356.000	42.33	9.29	51.62	74.00	-22.38	peak

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Harmonic		
Frequency:	2452 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		



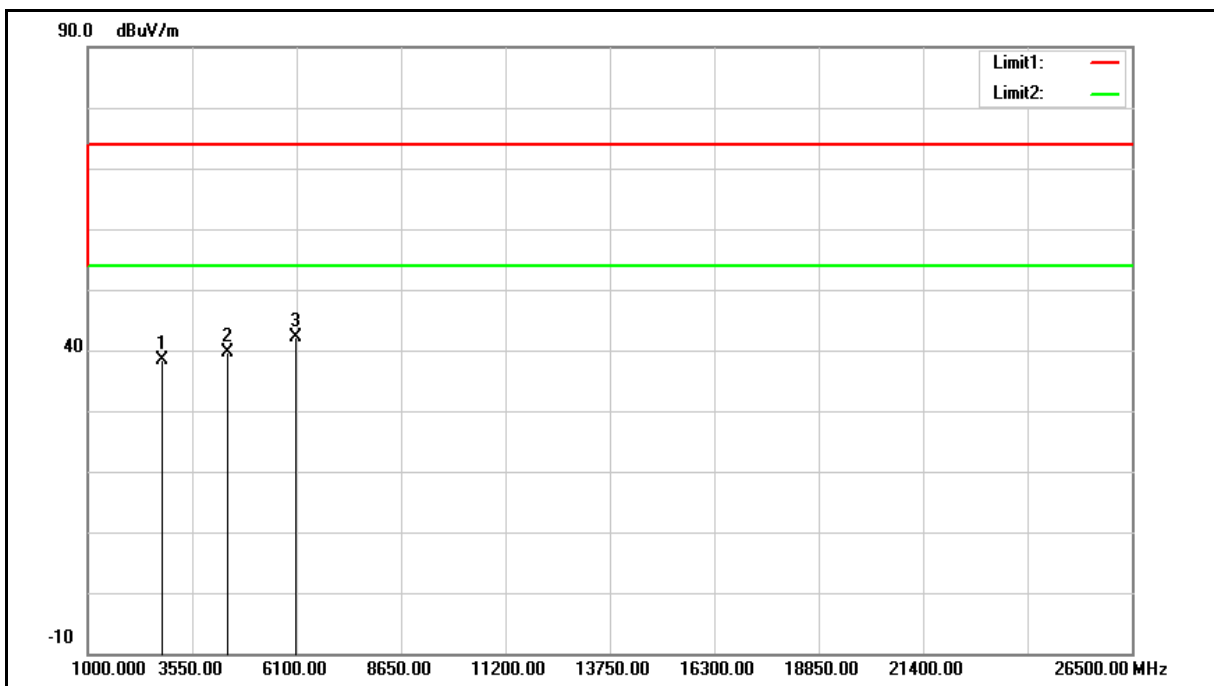
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	39.12	3.03	42.15	74.00	-31.85	peak
2	7356.000	49.23	9.29	58.52	74.00	-15.48	peak
3	7356.000	38.58	9.29	47.87	54.00	-6.13	AVG

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

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

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

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



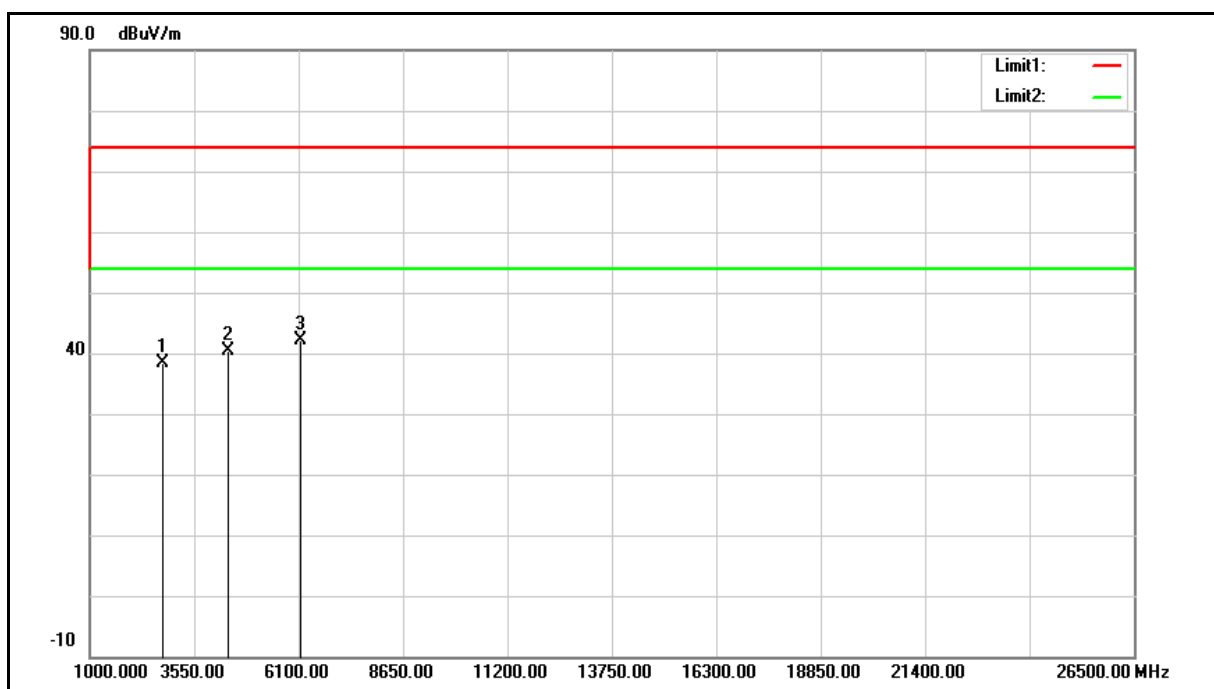
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2802.000	40.25	-1.77	38.48	74.00	-35.52	peak
2	4417.000	37.79	1.86	39.65	74.00	-34.35	peak
3	6083.000	36.80	5.24	42.04	74.00	-31.96	peak

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		
Mode:	Simultaneous Transmitting		
	(BT + WLAN 2.4 GHz)		
Ant.Polar.:	Vertical		



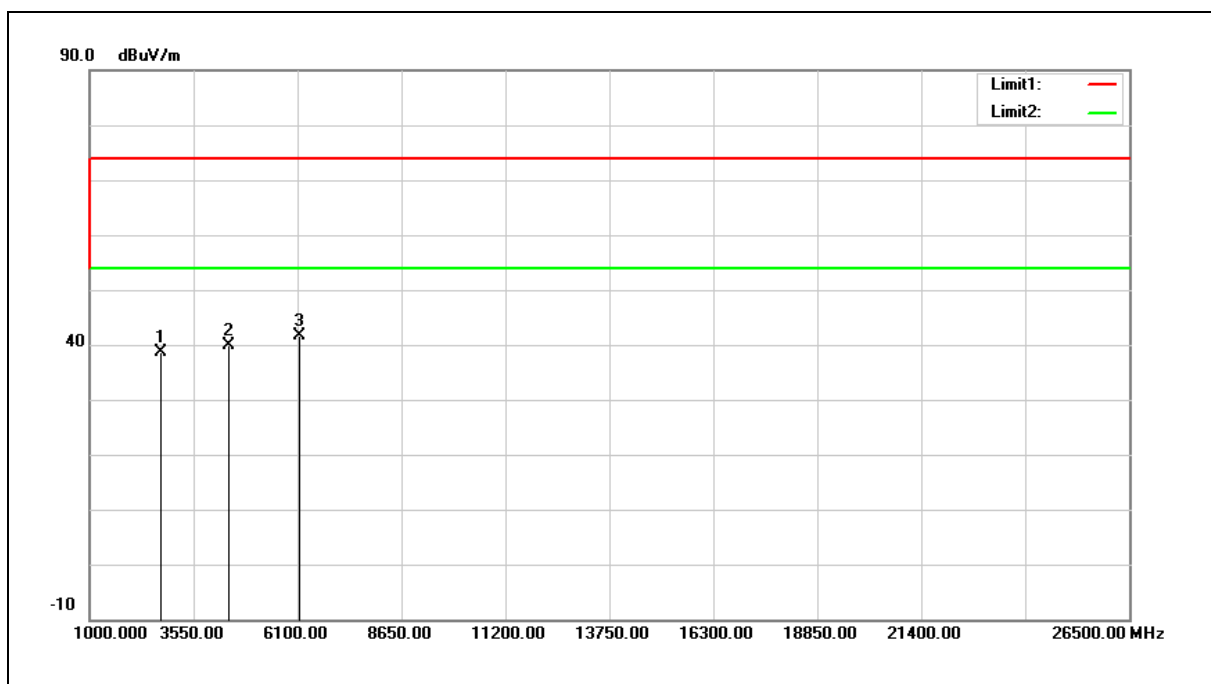
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2785.000	40.22	-1.83	38.39	74.00	-35.61	peak
2	4383.000	38.59	1.77	40.36	74.00	-33.64	peak
3	6151.000	36.58	5.45	42.03	74.00	-31.97	peak

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:	3m
Test item:	Harmonic		
Mode:	Mode 12		
Ant.Polar.:	Horizontal		
Description:			



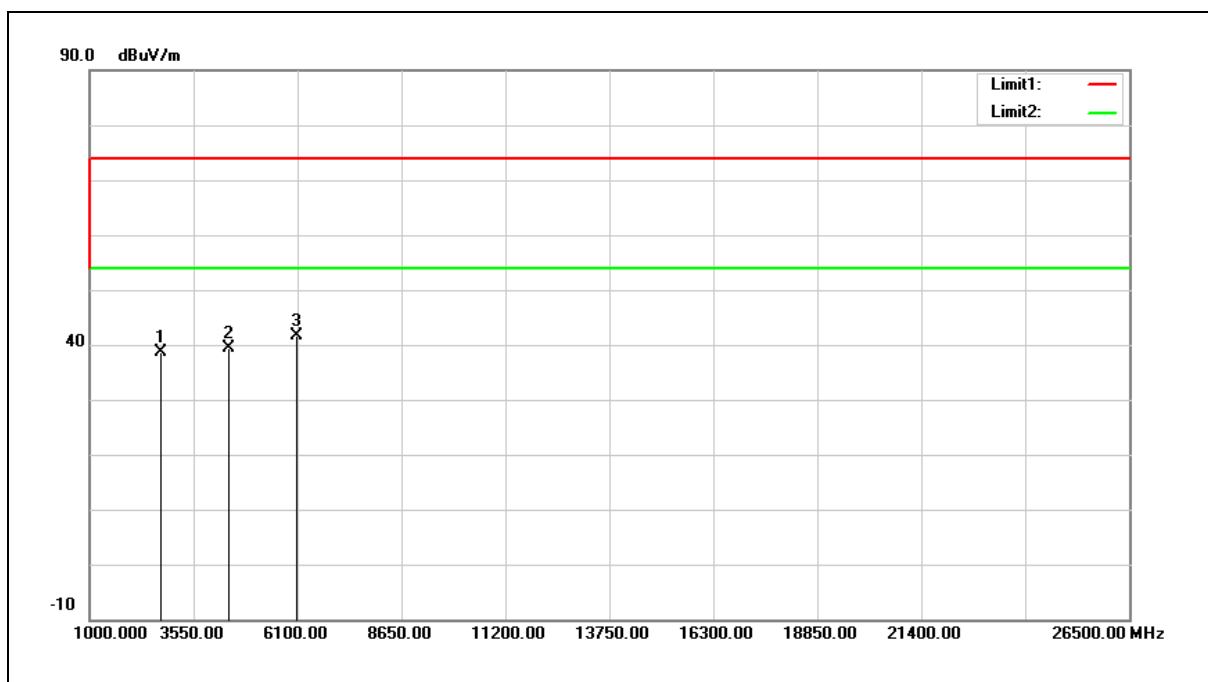
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2734.000	40.71	-2.01	38.70	74.00	-35.30	peak
2	4417.000	38.02	1.86	39.88	74.00	-34.12	peak
3	6151.000	36.10	5.45	41.55	74.00	-32.45	peak

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:	3m
Test item:	Harmonic		
Mode:	Mode 12		
Ant.Polar.:	Vertical		
Description:			



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2734.000	40.70	-2.01	38.69	74.00	-35.31	peak
2	4417.000	37.46	1.86	39.32	74.00	-34.68	peak
3	6083.000	36.29	5.24	41.53	74.00	-32.47	peak

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

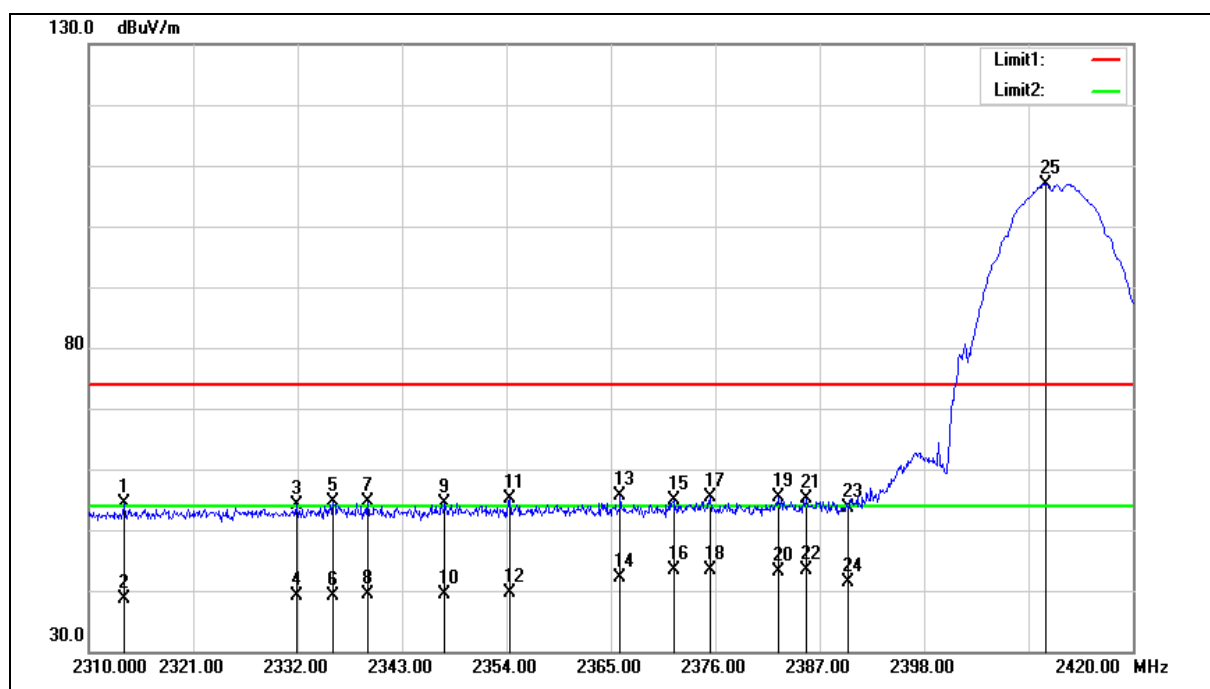
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2313.740	57.86	-3.56	54.30	74.00	-19.70	peak
2	2313.740	42.14	-3.56	38.58	54.00	-15.42	AVG
3	2331.890	57.63	-3.48	54.15	74.00	-19.85	peak
4	2331.890	42.55	-3.48	39.07	54.00	-14.93	AVG
5	2335.740	58.01	-3.47	54.54	74.00	-19.46	peak
6	2335.740	42.58	-3.47	39.11	54.00	-14.89	AVG
7	2339.370	58.16	-3.46	54.70	74.00	-19.30	peak
8	2339.370	42.95	-3.46	39.49	54.00	-14.51	AVG

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

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

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

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

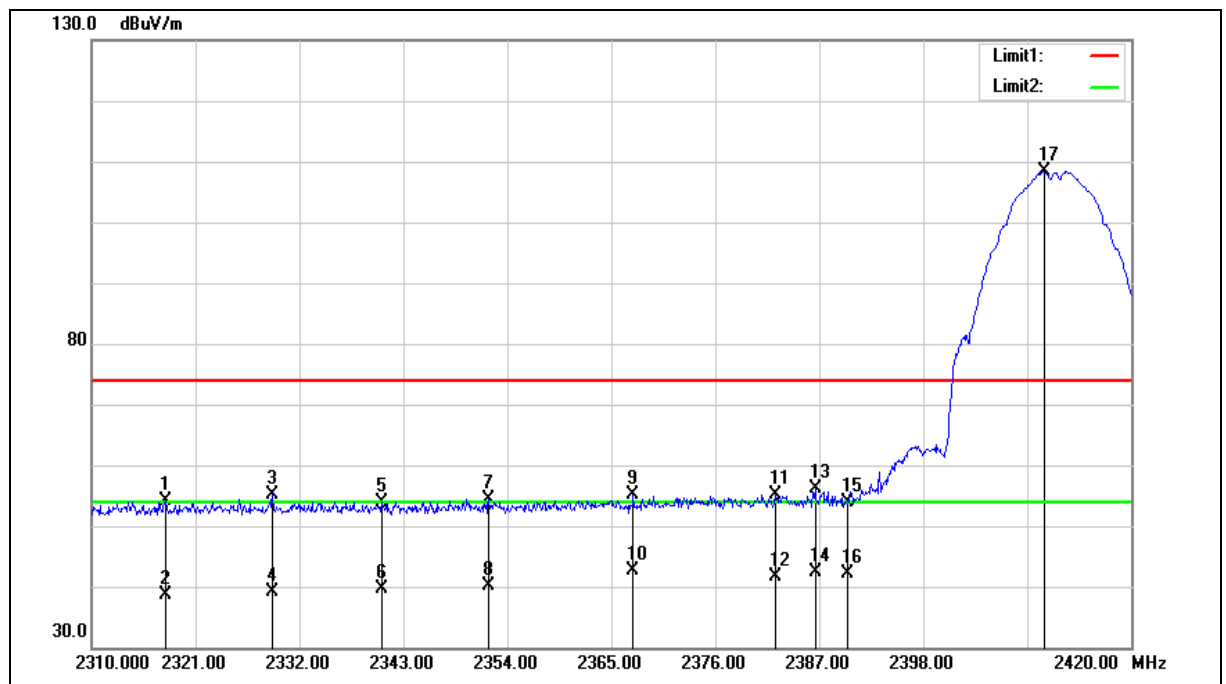
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
9	2347.510	57.89	-3.43	54.46	74.00	-19.54	peak
10	2347.510	42.77	-3.43	39.34	54.00	-14.66	AVG
11	2354.330	58.56	-3.41	55.15	74.00	-18.85	peak
12	2354.330	42.96	-3.41	39.55	54.00	-14.45	AVG
13	2365.990	59.05	-3.37	55.68	74.00	-18.32	peak
14	2365.990	45.57	-3.37	42.20	54.00	-11.80	AVG
15	2371.600	58.30	-3.36	54.94	74.00	-19.06	peak
16	2371.600	46.67	-3.36	43.31	54.00	-10.69	AVG
17	2375.450	58.78	-3.33	55.45	74.00	-18.55	peak
18	2375.450	46.72	-3.33	43.39	54.00	-10.61	AVG
19	2382.600	58.78	-3.31	55.47	74.00	-18.53	peak
20	2382.600	46.37	-3.31	43.06	54.00	-10.94	AVG
21	2385.570	58.51	-3.29	55.22	74.00	-18.78	peak
22	2385.570	46.57	-3.29	43.28	54.00	-10.72	AVG
23	2390.000	56.87	-3.28	53.59	74.00	-20.41	peak
24	2390.000	44.76	-3.28	41.48	54.00	-12.52	AVG
25	2410.760	110.15	-3.21	106.94	--	--	peak

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

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

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

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



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

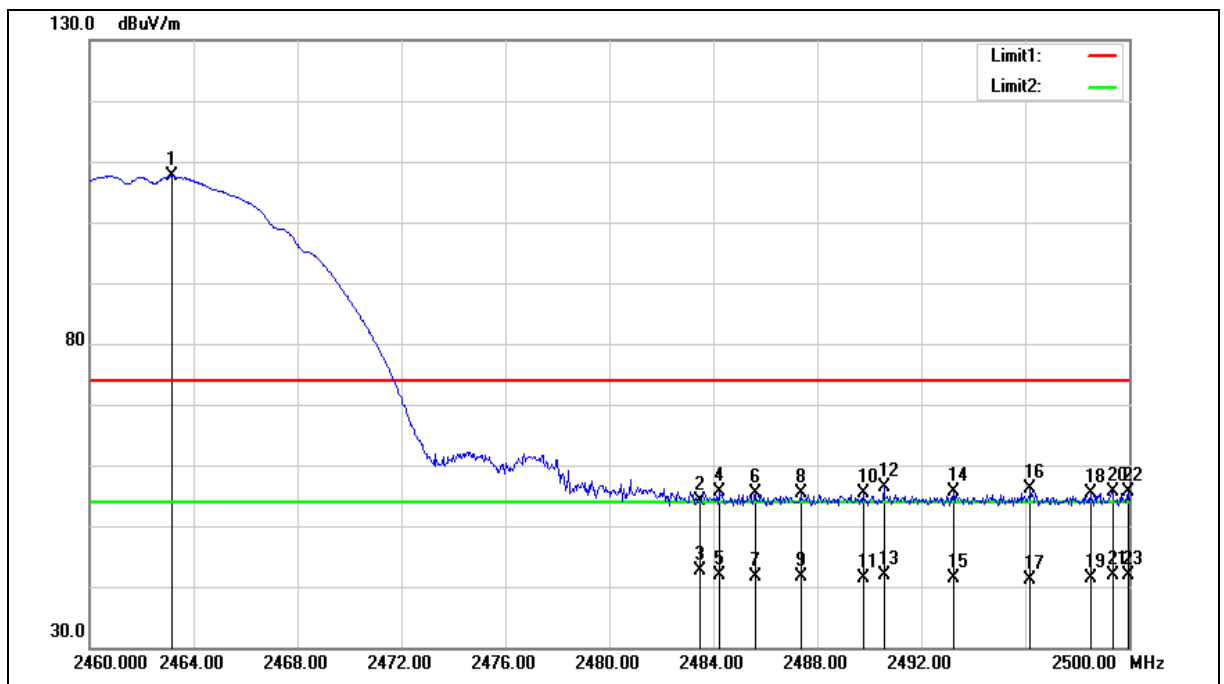
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2317.810	57.75	-3.54	54.21	74.00	-19.79	peak
2	2317.810	42.22	-3.54	38.68	54.00	-15.32	AVG
3	2329.140	58.63	-3.50	55.13	74.00	-18.87	peak
4	2329.140	42.65	-3.50	39.15	54.00	-14.85	AVG
5	2340.690	57.34	-3.46	53.88	74.00	-20.12	peak
6	2340.690	43.15	-3.46	39.69	54.00	-14.31	AVG
7	2352.020	57.91	-3.41	54.50	74.00	-19.50	peak
8	2352.020	43.54	-3.41	40.13	54.00	-13.87	AVG
9	2367.310	58.46	-3.37	55.09	74.00	-18.91	peak
10	2367.310	46.06	-3.37	42.69	54.00	-11.31	AVG
11	2382.380	58.44	-3.31	55.13	74.00	-18.87	peak
12	2382.380	44.87	-3.31	41.56	54.00	-12.44	AVG
13	2386.560	59.32	-3.29	56.03	74.00	-17.97	peak
14	2386.560	45.58	-3.29	42.29	54.00	-11.71	AVG
15	2390.000	57.24	-3.28	53.96	74.00	-20.04	peak
16	2390.000	45.49	-3.28	42.21	54.00	-11.79	AVG
17	2410.870	111.53	-3.21	108.32	--	--	peak

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

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

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

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



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

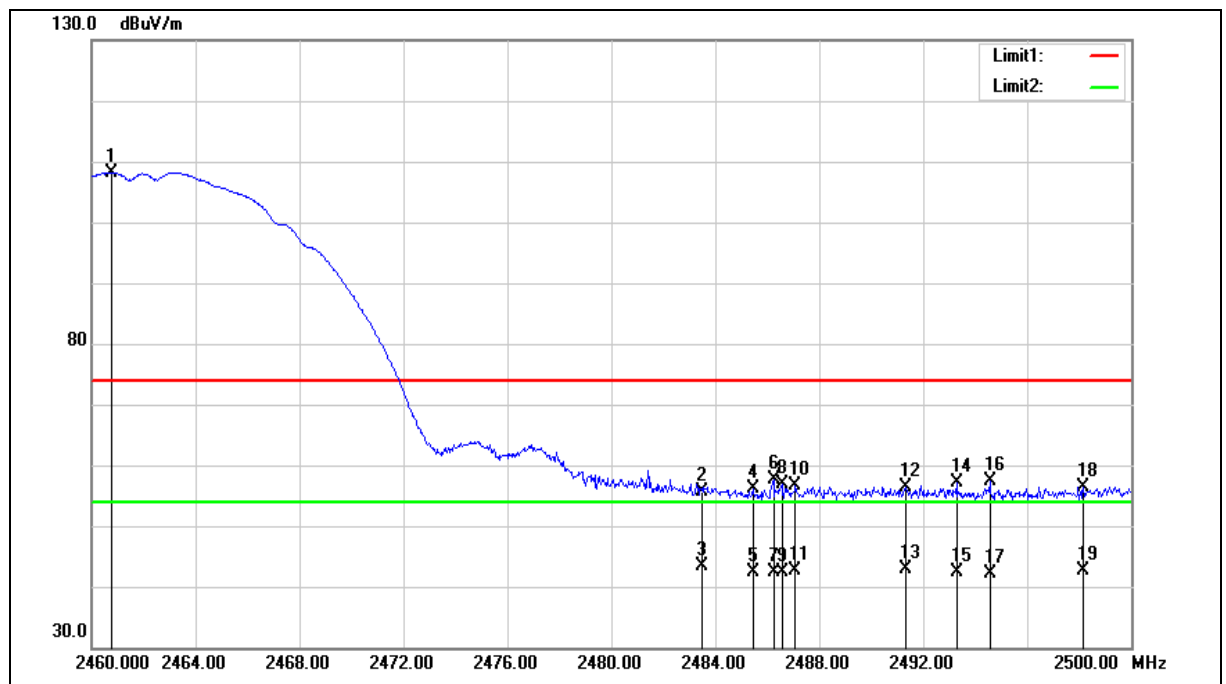
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.160	110.62	-3.01	107.61	--	--	peak
2	2483.500	57.17	-2.93	54.24	74.00	-19.76	peak
3	2483.500	45.65	-2.93	42.72	54.00	-11.28	AVG
4	2484.240	58.44	-2.93	55.51	74.00	-18.49	peak
5	2484.240	44.74	-2.93	41.81	54.00	-12.19	AVG
6	2485.600	58.28	-2.92	55.36	74.00	-18.64	peak
7	2485.600	44.61	-2.92	41.69	54.00	-12.31	AVG
8	2487.360	58.22	-2.92	55.30	74.00	-18.70	peak
9	2487.360	44.66	-2.92	41.74	54.00	-12.26	AVG
10	2489.760	58.20	-2.91	55.29	74.00	-18.71	peak
11	2489.760	44.27	-2.91	41.36	54.00	-12.64	AVG
12	2490.560	59.30	-2.91	56.39	74.00	-17.61	peak
13	2490.560	44.68	-2.91	41.77	54.00	-12.23	AVG
14	2493.240	58.51	-2.90	55.61	74.00	-18.39	peak
15	2493.240	44.20	-2.90	41.30	54.00	-12.70	AVG
16	2496.200	58.94	-2.88	56.06	74.00	-17.94	peak
17	2496.200	44.10	-2.88	41.22	54.00	-12.78	AVG
18	2498.520	58.22	-2.87	55.35	74.00	-18.65	peak
19	2498.520	44.37	-2.87	41.50	54.00	-12.50	AVG
20	2499.360	58.43	-2.87	55.56	74.00	-18.44	peak
21	2499.360	44.71	-2.87	41.84	54.00	-12.16	AVG
22	2499.960	58.39	-2.87	55.52	74.00	-18.48	peak
23	2499.960	44.83	-2.87	41.96	54.00	-12.04	AVG

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

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

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

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



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

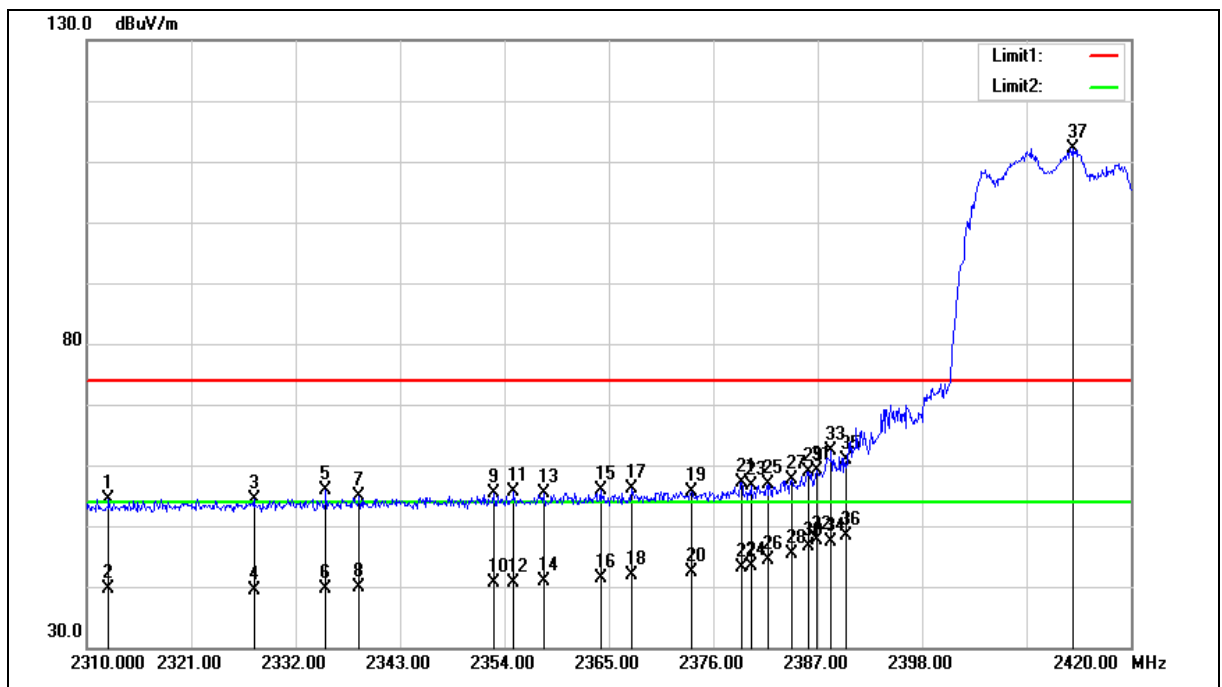
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2460.760	111.25	-3.02	108.23	--	--	peak
2	2483.500	58.60	-2.93	55.67	74.00	-18.33	peak
3	2483.500	46.31	-2.93	43.38	54.00	-10.62	AVG
4	2485.440	58.96	-2.92	56.04	74.00	-17.96	peak
5	2485.440	45.31	-2.92	42.39	54.00	-11.61	AVG
6	2486.240	60.52	-2.92	57.60	74.00	-16.40	peak
7	2486.240	45.21	-2.92	42.29	54.00	-11.71	AVG
8	2486.560	59.77	-2.92	56.85	74.00	-17.15	peak
9	2486.560	45.32	-2.92	42.40	54.00	-11.60	AVG
10	2487.080	59.53	-2.92	56.61	74.00	-17.39	peak
11	2487.080	45.54	-2.92	42.62	54.00	-11.38	AVG
12	2491.320	59.23	-2.91	56.32	74.00	-17.68	peak
13	2491.320	45.82	-2.91	42.91	54.00	-11.09	AVG
14	2493.280	60.03	-2.89	57.14	74.00	-16.86	peak
15	2493.280	45.27	-2.89	42.38	54.00	-11.62	AVG
16	2494.560	60.25	-2.89	57.36	74.00	-16.64	peak
17	2494.560	44.98	-2.89	42.09	54.00	-11.91	AVG
18	2498.160	59.22	-2.88	56.34	74.00	-17.66	peak
19	2498.160	45.41	-2.88	42.53	54.00	-11.47	AVG

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2312.310	57.82	-3.56	54.26	74.00	-19.74	peak
2	2312.310	43.16	-3.56	39.60	54.00	-14.40	AVG
3	2327.600	57.82	-3.51	54.31	74.00	-19.69	peak
4	2327.600	42.85	-3.51	39.34	54.00	-14.66	AVG
5	2335.190	59.34	-3.47	55.87	74.00	-18.13	peak
6	2335.190	42.98	-3.47	39.51	54.00	-14.49	AVG
7	2338.710	58.35	-3.46	54.89	74.00	-19.11	peak
8	2338.710	43.31	-3.46	39.85	54.00	-14.15	AVG
9	2352.900	58.73	-3.41	55.32	74.00	-18.68	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:	3m
Test item:	Band edge		
Frequency:	2412 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10	2352.900	44.03	-3.41	40.62	54.00	-13.38	AVG
11	2354.990	59.01	-3.41	55.60	74.00	-18.40	peak
12	2354.990	44.16	-3.41	40.75	54.00	-13.25	AVG
13	2358.180	58.71	-3.40	55.31	74.00	-18.69	peak
14	2358.180	44.38	-3.40	40.98	54.00	-13.02	AVG
15	2364.120	59.14	-3.38	55.76	74.00	-18.24	peak
16	2364.120	44.86	-3.38	41.48	54.00	-12.52	AVG
17	2367.420	59.47	-3.37	56.10	74.00	-17.90	peak
18	2367.420	45.16	-3.37	41.79	54.00	-12.21	AVG
19	2373.690	58.89	-3.34	55.55	74.00	-18.45	peak
20	2373.690	45.73	-3.34	42.39	54.00	-11.61	AVG
21	2378.970	60.55	-3.32	57.23	74.00	-16.77	peak
22	2378.970	46.55	-3.32	43.23	54.00	-10.77	AVG
23	2379.960	59.95	-3.32	56.63	74.00	-17.37	peak
24	2379.960	46.72	-3.32	43.40	54.00	-10.60	AVG
25	2381.720	60.20	-3.31	56.89	74.00	-17.11	peak
26	2381.720	47.63	-3.31	44.32	54.00	-9.68	AVG
27	2384.250	60.98	-3.31	57.67	74.00	-16.33	peak
28	2384.250	48.57	-3.31	45.26	54.00	-8.74	AVG
29	2386.010	62.18	-3.29	58.89	74.00	-15.11	peak
30	2386.010	49.98	-3.29	46.69	54.00	-7.31	AVG
31	2386.890	62.42	-3.29	59.13	74.00	-14.87	peak
32	2386.890	50.88	-3.29	47.59	54.00	-6.41	AVG
33	2388.430	65.60	-3.28	62.32	74.00	-11.68	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:	3m
Test item:	Band edge		
Frequency:	2412 MHz		
Mode:	Mode 3		
Ant.Polar.:	Horizontal		

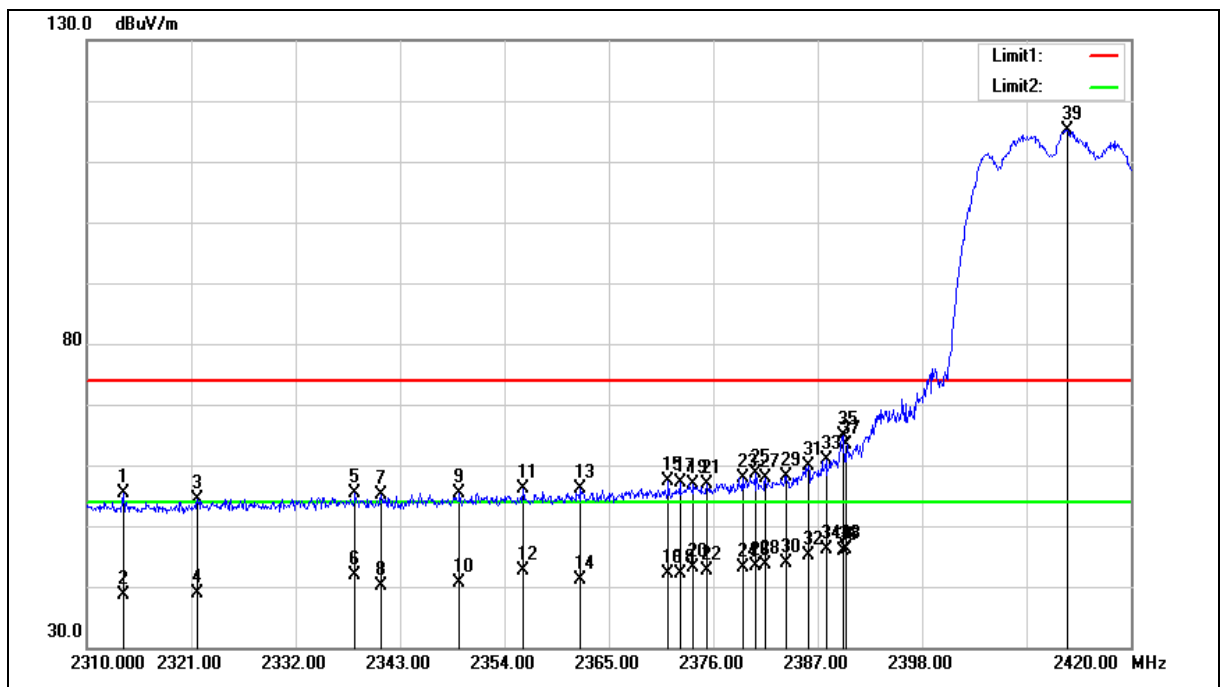
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
34	2388.430	50.64	-3.28	47.36	54.00	-6.64	AVG
35	2390.000	64.06	-3.28	60.78	74.00	-13.22	peak
36	2390.000	51.76	-3.28	48.48	54.00	-5.52	AVG
37	2413.950	115.38	-3.19	112.19	--	--	peak

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2313.850	58.94	-3.56	55.38	74.00	-18.62	peak
2	2313.850	42.26	-3.56	38.70	54.00	-15.30	AVG
3	2321.660	57.80	-3.53	54.27	74.00	-19.73	peak
4	2321.660	42.32	-3.53	38.79	54.00	-15.21	AVG
5	2338.270	58.90	-3.47	55.43	74.00	-18.57	peak
6	2338.270	45.42	-3.47	41.95	54.00	-12.05	AVG
7	2341.020	58.54	-3.46	55.08	74.00	-18.92	peak
8	2341.020	43.47	-3.46	40.01	54.00	-13.99	AVG
9	2349.270	58.73	-3.42	55.31	74.00	-18.69	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:	3m
Test item:	Band edge		
Frequency:	2412 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10	2349.270	43.94	-3.42	40.52	54.00	-13.48	AVG
11	2355.980	59.42	-3.40	56.02	74.00	-17.98	peak
12	2355.980	46.00	-3.40	42.60	54.00	-11.40	AVG
13	2362.030	59.57	-3.38	56.19	74.00	-17.81	peak
14	2362.030	44.59	-3.38	41.21	54.00	-12.79	AVG
15	2371.270	60.77	-3.36	57.41	74.00	-16.59	peak
16	2371.270	45.45	-3.36	42.09	54.00	-11.91	AVG
17	2372.480	60.39	-3.34	57.05	74.00	-16.95	peak
18	2372.480	45.52	-3.34	42.18	54.00	-11.82	AVG
19	2373.910	60.29	-3.34	56.95	74.00	-17.05	peak
20	2373.910	46.47	-3.34	43.13	54.00	-10.87	AVG
21	2375.340	60.17	-3.33	56.84	74.00	-17.16	peak
22	2375.340	46.06	-3.33	42.73	54.00	-11.27	AVG
23	2379.080	61.14	-3.32	57.82	74.00	-16.18	peak
24	2379.080	46.49	-3.32	43.17	54.00	-10.83	AVG
25	2380.400	62.04	-3.32	58.72	74.00	-15.28	peak
26	2380.400	46.82	-3.32	43.50	54.00	-10.50	AVG
27	2381.500	61.18	-3.32	57.86	74.00	-16.14	peak
28	2381.500	46.90	-3.32	43.58	54.00	-10.42	AVG
29	2383.700	61.48	-3.31	58.17	74.00	-15.83	peak
30	2383.700	47.25	-3.31	43.94	54.00	-10.06	AVG
31	2386.010	63.15	-3.29	59.86	74.00	-14.14	peak
32	2386.010	48.38	-3.29	45.09	54.00	-8.91	AVG
33	2387.880	64.26	-3.29	60.97	74.00	-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:	3m
Test item:	Band edge		
Frequency:	2412 MHz		
Mode:	Mode 3		
Ant.Polar.:	Vertical		

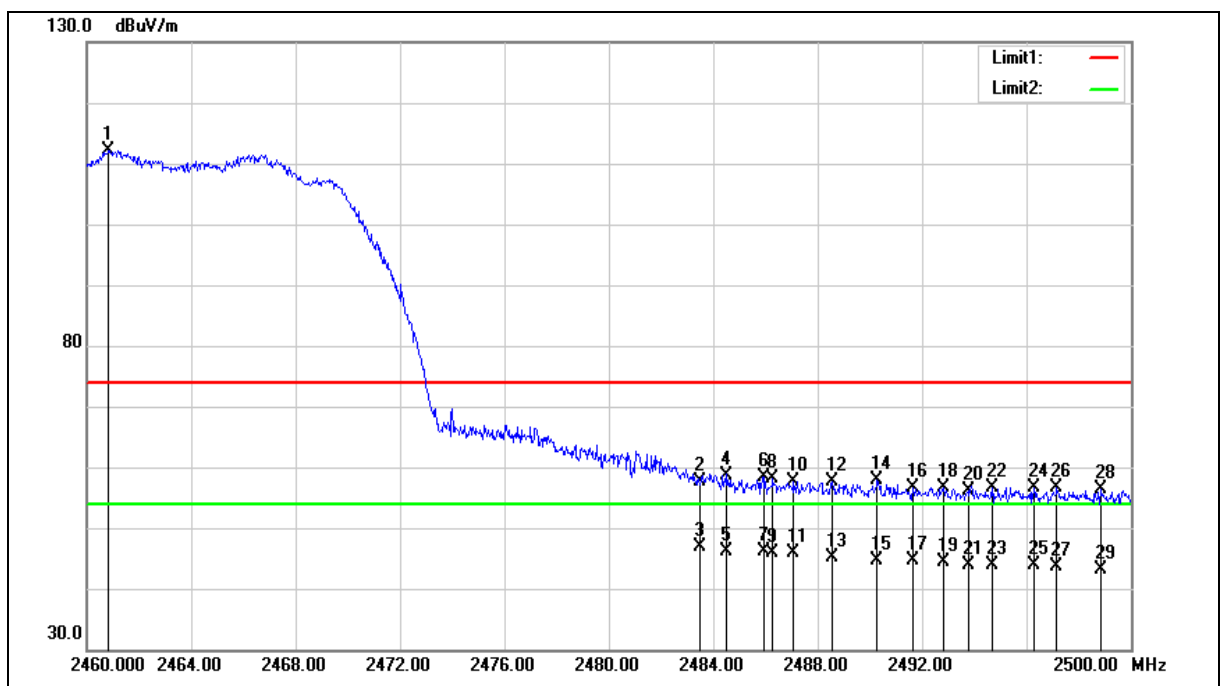
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
34	2387.880	49.46	-3.29	46.17	54.00	-7.83	AVG
35	2389.640	68.08	-3.28	64.80	74.00	-9.20	peak
36	2389.640	49.09	-3.28	45.81	54.00	-8.19	AVG
37	2390.000	66.56	-3.28	63.28	74.00	-10.72	peak
38	2390.000	49.32	-3.28	46.04	54.00	-7.96	AVG
39	2413.290	118.36	-3.19	115.17	--	--	peak

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2460.840	115.13	-3.02	112.11	--	--	peak
2	2483.500	60.64	-2.93	57.71	74.00	-16.29	peak
3	2483.500	49.71	-2.93	46.78	54.00	-7.22	AVG
4	2484.520	61.68	-2.93	58.75	74.00	-15.25	peak
5	2484.520	49.10	-2.93	46.17	54.00	-7.83	AVG
6	2485.920	61.38	-2.92	58.46	74.00	-15.54	peak
7	2485.920	49.00	-2.92	46.08	54.00	-7.92	AVG
8	2486.280	61.00	-2.92	58.08	74.00	-15.92	peak
9	2486.280	48.92	-2.92	46.00	54.00	-8.00	AVG

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

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

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

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

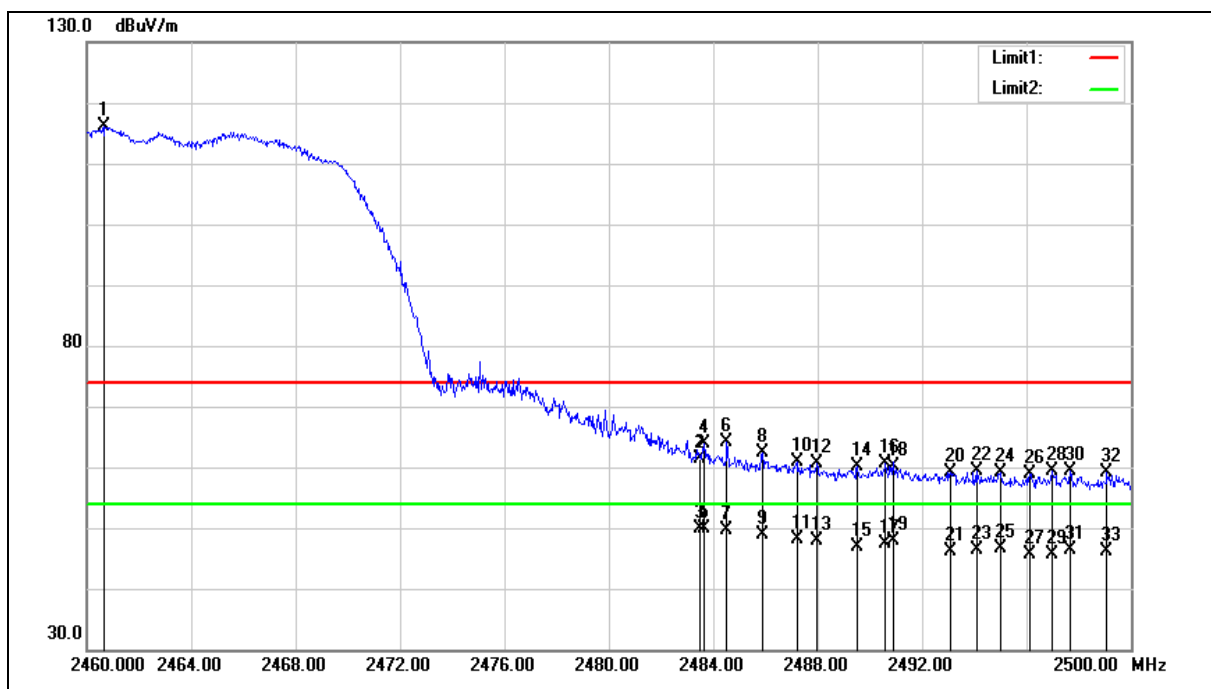
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10	2487.080	60.60	-2.92	57.68	74.00	-16.32	peak
11	2487.080	48.78	-2.92	45.86	54.00	-8.14	AVG
12	2488.560	60.50	-2.91	57.59	74.00	-16.41	peak
13	2488.560	48.07	-2.91	45.16	54.00	-8.84	AVG
14	2490.280	60.77	-2.91	57.86	74.00	-16.14	peak
15	2490.280	47.65	-2.91	44.74	54.00	-9.26	AVG
16	2491.640	59.42	-2.91	56.51	74.00	-17.49	peak
17	2491.640	47.66	-2.91	44.75	54.00	-9.25	AVG
18	2492.840	59.45	-2.90	56.55	74.00	-17.45	peak
19	2492.840	47.26	-2.90	44.36	54.00	-9.64	AVG
20	2493.760	59.02	-2.89	56.13	74.00	-17.87	peak
21	2493.760	46.89	-2.89	44.00	54.00	-10.00	AVG
22	2494.680	59.63	-2.89	56.74	74.00	-17.26	peak
23	2494.680	46.79	-2.89	43.90	54.00	-10.10	AVG
24	2496.280	59.41	-2.88	56.53	74.00	-17.47	peak
25	2496.280	46.80	-2.88	43.92	54.00	-10.08	AVG
26	2497.160	59.58	-2.88	56.70	74.00	-17.30	peak
27	2497.160	46.63	-2.88	43.75	54.00	-10.25	AVG
28	2498.840	59.14	-2.87	56.27	74.00	-17.73	peak
29	2498.840	46.03	-2.87	43.16	54.00	-10.84	AVG

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

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2460.680	119.03	-3.02	116.01	--	--	peak
2	2483.500	64.24	-2.93	61.31	74.00	-12.69	peak
3	2483.500	52.85	-2.93	49.92	54.00	-4.08	AVG
4	2483.640	66.87	-2.93	63.94	74.00	-10.06	peak
5	2483.640	52.69	-2.93	49.76	54.00	-4.24	AVG
6	2484.520	66.99	-2.93	64.06	74.00	-9.94	peak
7	2484.520	52.45	-2.93	49.52	54.00	-4.48	AVG
8	2485.880	65.19	-2.92	62.27	74.00	-11.73	peak
9	2485.880	51.80	-2.92	48.88	54.00	-5.12	AVG

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

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

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

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

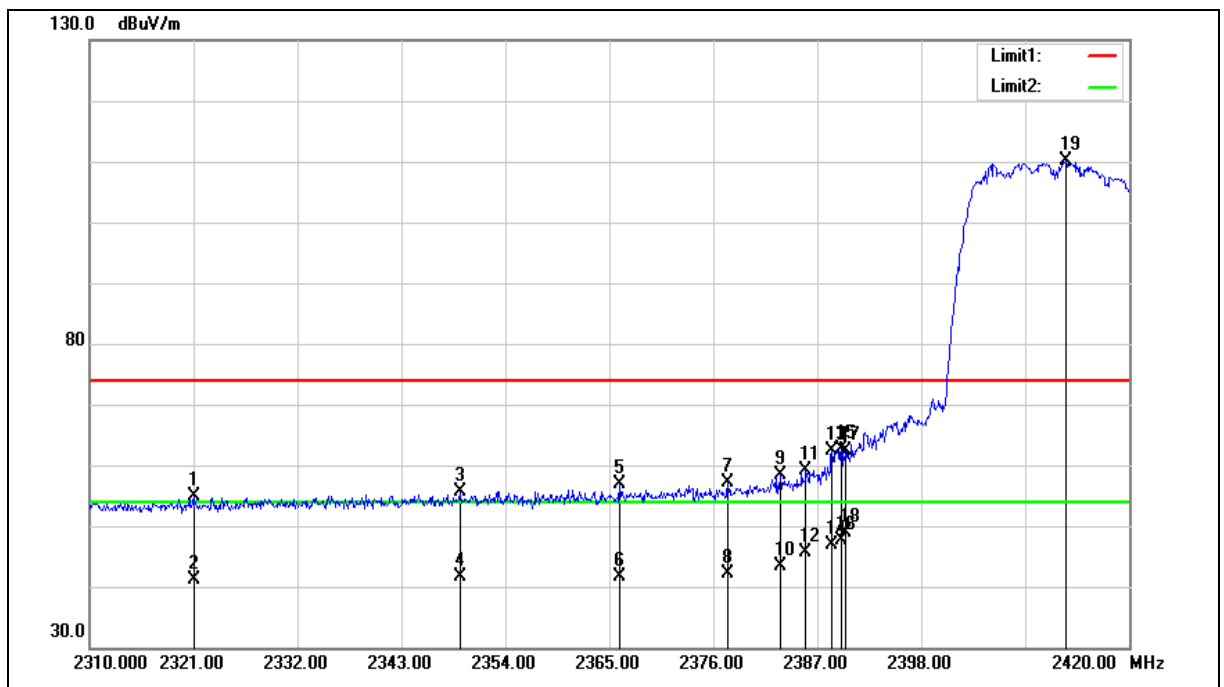
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10	2487.200	63.73	-2.92	60.81	74.00	-13.19	peak
11	2487.200	51.12	-2.92	48.20	54.00	-5.80	AVG
12	2487.960	63.52	-2.92	60.60	74.00	-13.40	peak
13	2487.960	50.77	-2.92	47.85	54.00	-6.15	AVG
14	2489.520	62.96	-2.91	60.05	74.00	-13.95	peak
15	2489.520	49.78	-2.91	46.87	54.00	-7.13	AVG
16	2490.600	63.46	-2.91	60.55	74.00	-13.45	peak
17	2490.600	50.38	-2.91	47.47	54.00	-6.53	AVG
18	2490.920	63.02	-2.91	60.11	74.00	-13.89	peak
19	2490.920	50.76	-2.91	47.85	54.00	-6.15	AVG
20	2493.080	62.00	-2.90	59.10	74.00	-14.90	peak
21	2493.080	49.07	-2.90	46.17	54.00	-7.83	AVG
22	2494.080	62.36	-2.89	59.47	74.00	-14.53	peak
23	2494.080	49.27	-2.89	46.38	54.00	-7.62	AVG
24	2495.000	61.94	-2.89	59.05	74.00	-14.95	peak
25	2495.000	49.59	-2.89	46.70	54.00	-7.30	AVG
26	2496.120	61.68	-2.88	58.80	74.00	-15.20	peak
27	2496.120	48.44	-2.88	45.56	54.00	-8.44	AVG
28	2497.000	62.28	-2.88	59.40	74.00	-14.60	peak
29	2497.000	48.54	-2.88	45.66	54.00	-8.34	AVG
30	2497.680	62.37	-2.88	59.49	74.00	-14.51	peak
31	2497.680	49.23	-2.88	46.35	54.00	-7.65	AVG
32	2499.080	61.95	-2.87	59.08	74.00	-14.92	peak
33	2499.080	48.97	-2.87	46.10	54.00	-7.90	AVG

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

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

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

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



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

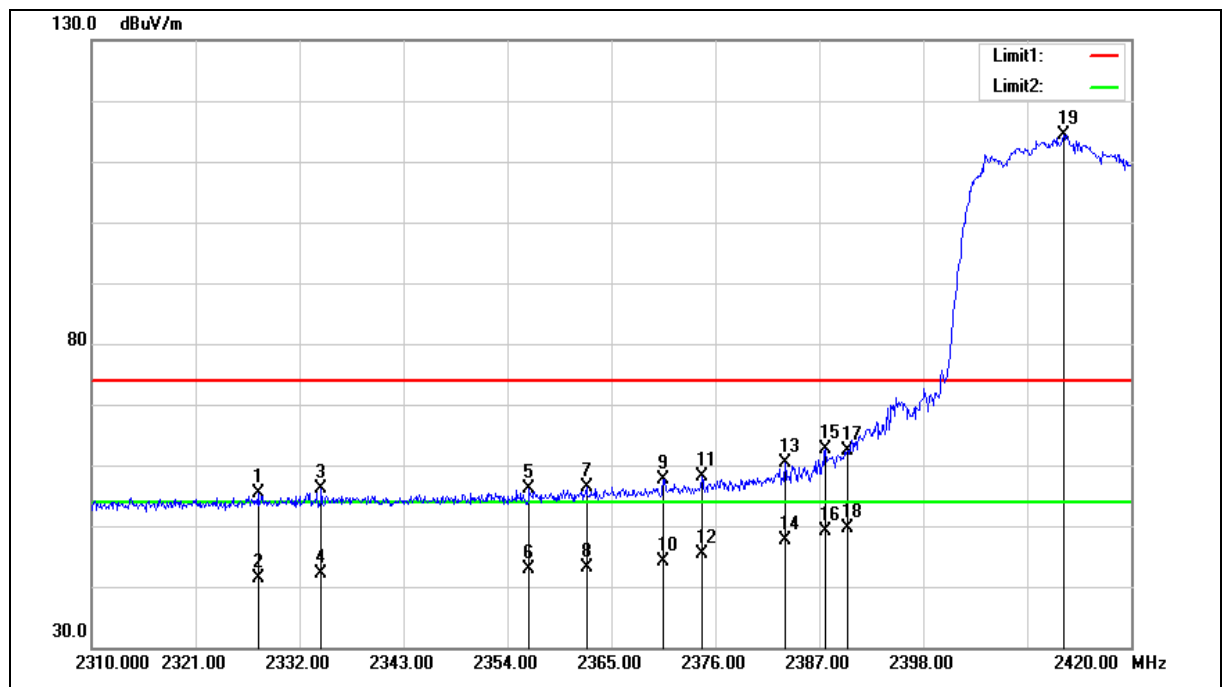
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2321.000	58.51	-3.53	54.98	74.00	-19.02	peak
2	2321.000	44.61	-3.53	41.08	54.00	-12.92	AVG
3	2349.160	58.99	-3.42	55.57	74.00	-18.43	peak
4	2349.160	45.07	-3.42	41.65	54.00	-12.35	AVG
5	2366.100	60.28	-3.37	56.91	74.00	-17.09	peak
6	2366.100	45.10	-3.37	41.73	54.00	-12.27	AVG
7	2377.540	60.56	-3.33	57.23	74.00	-16.77	peak
8	2377.540	45.45	-3.33	42.12	54.00	-11.88	AVG
9	2383.150	61.59	-3.31	58.28	74.00	-15.72	peak
10	2383.150	46.58	-3.31	43.27	54.00	-10.73	AVG
11	2385.790	62.37	-3.29	59.08	74.00	-14.92	peak
12	2385.790	48.83	-3.29	45.54	54.00	-8.46	AVG
13	2388.540	65.68	-3.28	62.40	74.00	-11.60	peak
14	2388.540	50.17	-3.28	46.89	54.00	-7.11	AVG
15	2389.530	66.00	-3.28	62.72	74.00	-11.28	peak
16	2389.530	50.91	-3.28	47.63	54.00	-6.37	AVG
17	2390.000	65.67	-3.28	62.39	74.00	-11.61	peak
18	2390.000	52.06	-3.28	48.78	54.00	-5.22	AVG
19	2413.290	113.26	-3.19	110.07	--	--	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:	3m
Test item:	Band edge		
Frequency:	2412 MHz		
Mode:	Mode 4		
Ant.Polar.:	Vertical		



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

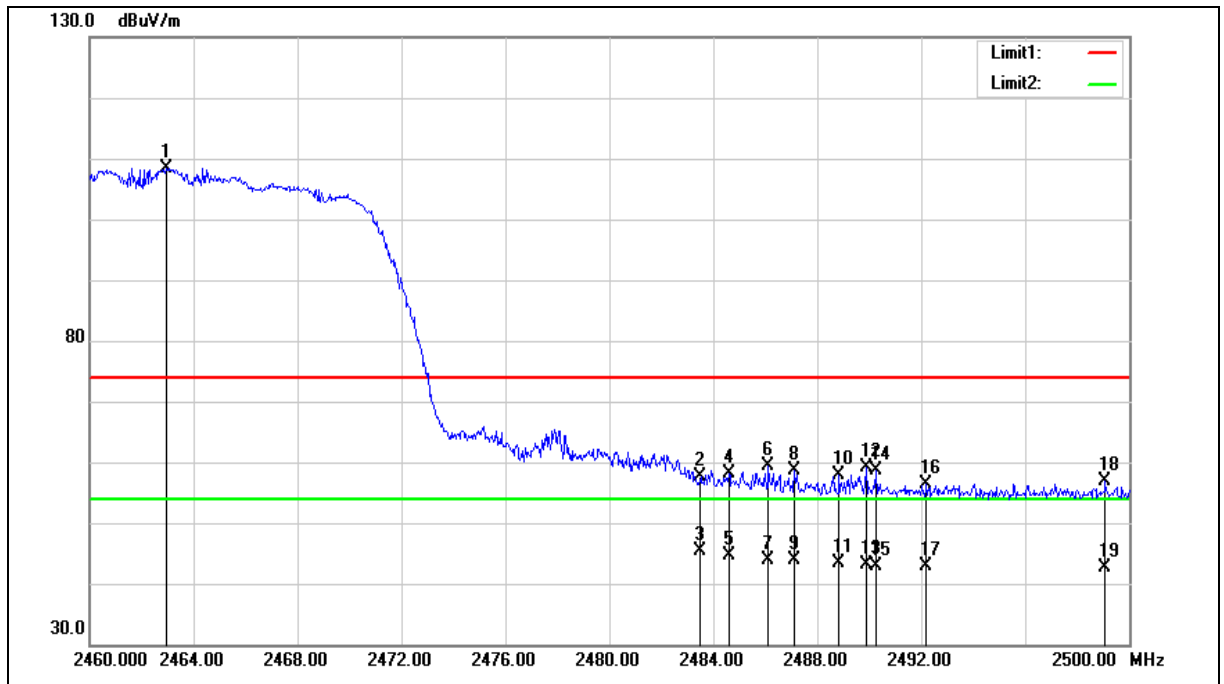
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2327.600	58.77	-3.51	55.26	74.00	-18.74	peak
2	2327.600	45.00	-3.51	41.49	54.00	-12.51	AVG
3	2334.310	59.59	-3.48	56.11	74.00	-17.89	peak
4	2334.310	45.52	-3.48	42.04	54.00	-11.96	AVG
5	2356.310	59.45	-3.40	56.05	74.00	-17.95	peak
6	2356.310	46.29	-3.40	42.89	54.00	-11.11	AVG
7	2362.360	59.72	-3.38	56.34	74.00	-17.66	peak
8	2362.360	46.53	-3.38	43.15	54.00	-10.85	AVG
9	2370.500	60.97	-3.36	57.61	74.00	-16.39	peak
10	2370.500	47.59	-3.36	44.23	54.00	-9.77	AVG
11	2374.570	61.58	-3.34	58.24	74.00	-15.76	peak
12	2374.570	48.81	-3.34	45.47	54.00	-8.53	AVG
13	2383.370	63.62	-3.31	60.31	74.00	-13.69	peak
14	2383.370	50.88	-3.31	47.57	54.00	-6.43	AVG
15	2387.660	65.94	-3.29	62.65	74.00	-11.35	peak
16	2387.660	52.37	-3.29	49.08	54.00	-4.92	AVG
17	2390.000	65.76	-3.28	62.48	74.00	-11.52	peak
18	2390.000	53.00	-3.28	49.72	54.00	-4.28	AVG
19	2412.850	117.58	-3.19	114.39	--	--	peak

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

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

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

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



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

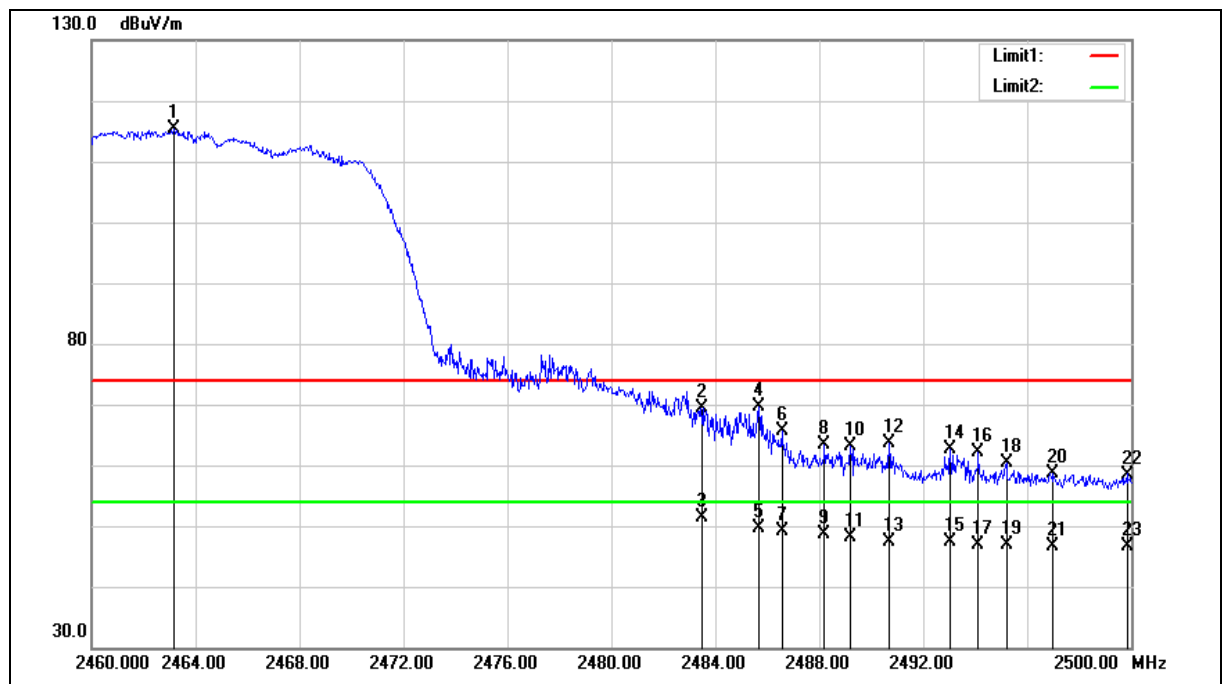
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2462.960	111.39	-3.01	108.38	--	--	peak
2	2483.500	60.67	-2.93	57.74	74.00	-16.26	peak
3	2483.500	48.35	-2.93	45.42	54.00	-8.58	AVG
4	2484.600	61.15	-2.93	58.22	74.00	-15.78	peak
5	2484.600	47.55	-2.93	44.62	54.00	-9.38	AVG
6	2486.120	62.31	-2.92	59.39	74.00	-14.61	peak
7	2486.120	46.90	-2.92	43.98	54.00	-10.02	AVG
8	2487.120	61.51	-2.92	58.59	74.00	-15.41	peak
9	2487.120	46.83	-2.92	43.91	54.00	-10.09	AVG
10	2488.840	60.82	-2.91	57.91	74.00	-16.09	peak
11	2488.840	46.25	-2.91	43.34	54.00	-10.66	AVG
12	2489.880	61.96	-2.91	59.05	74.00	-14.95	peak
13	2489.880	46.08	-2.91	43.17	54.00	-10.83	AVG
14	2490.240	61.60	-2.91	58.69	74.00	-15.31	peak
15	2490.240	45.86	-2.91	42.95	54.00	-11.05	AVG
16	2492.200	59.27	-2.90	56.37	74.00	-17.63	peak
17	2492.200	45.73	-2.90	42.83	54.00	-11.17	AVG
18	2499.080	59.68	-2.87	56.81	74.00	-17.19	peak
19	2499.080	45.58	-2.87	42.71	54.00	-11.29	AVG

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

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

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

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



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

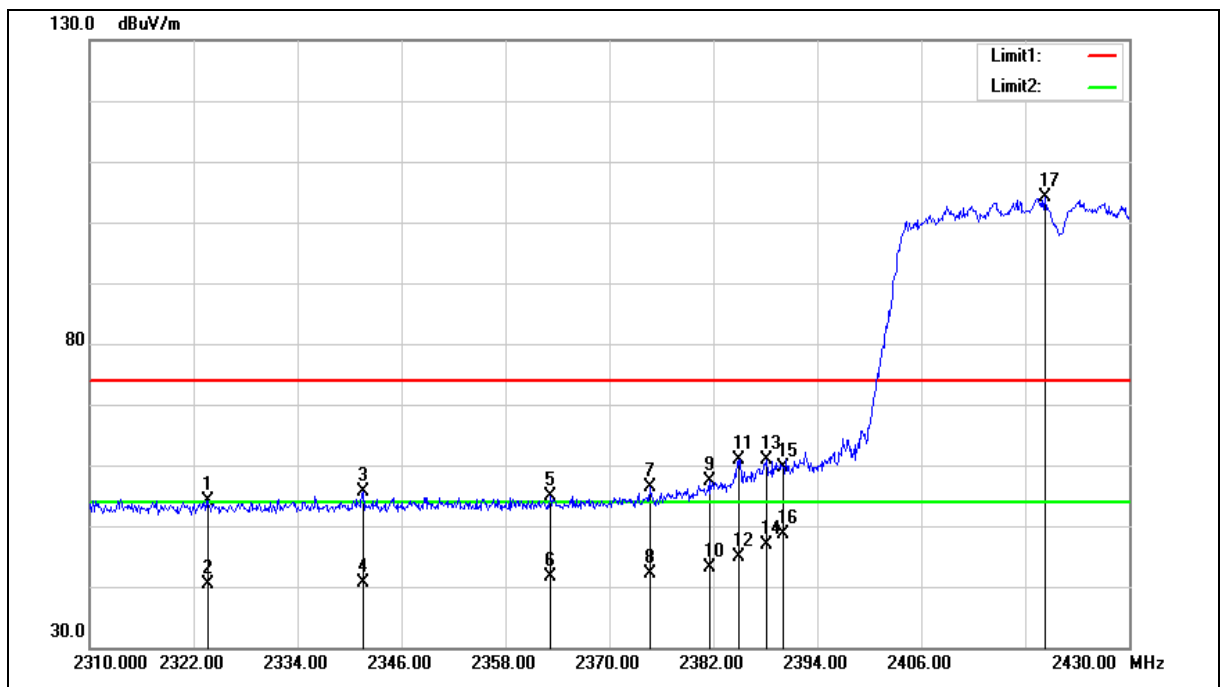
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.160	118.46	-3.01	115.45	--	--	peak
2	2483.500	72.35	-2.93	69.42	74.00	-4.58	peak
3	2483.500	54.39	-2.93	51.46	54.00	-2.54	AVG
4	2485.680	72.61	-2.92	69.69	74.00	-4.31	peak
5	2485.680	52.48	-2.92	49.56	54.00	-4.44	AVG
6	2486.560	68.51	-2.92	65.59	74.00	-8.41	peak
7	2486.560	52.07	-2.92	49.15	54.00	-4.85	AVG
8	2488.200	66.25	-2.92	63.33	74.00	-10.67	peak
9	2488.200	51.51	-2.92	48.59	54.00	-5.41	AVG
10	2489.200	66.14	-2.91	63.23	74.00	-10.77	peak
11	2489.200	51.00	-2.91	48.09	54.00	-5.91	AVG
12	2490.680	66.48	-2.91	63.57	74.00	-10.43	peak
13	2490.680	50.36	-2.91	47.45	54.00	-6.55	AVG
14	2493.040	65.60	-2.90	62.70	74.00	-11.30	peak
15	2493.040	50.17	-2.90	47.27	54.00	-6.73	AVG
16	2494.120	65.06	-2.89	62.17	74.00	-11.83	peak
17	2494.120	49.70	-2.89	46.81	54.00	-7.19	AVG
18	2495.200	63.24	-2.88	60.36	74.00	-13.64	peak
19	2495.200	49.66	-2.88	46.78	54.00	-7.22	AVG
20	2497.000	61.48	-2.88	58.60	74.00	-15.40	peak
21	2497.000	49.50	-2.88	46.62	54.00	-7.38	AVG
22	2499.840	61.37	-2.87	58.50	74.00	-15.50	peak
23	2499.840	49.40	-2.87	46.53	54.00	-7.47	AVG

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Band edge		
Frequency:	2422 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3m
Test item:	Band edge		
Frequency:	2422 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

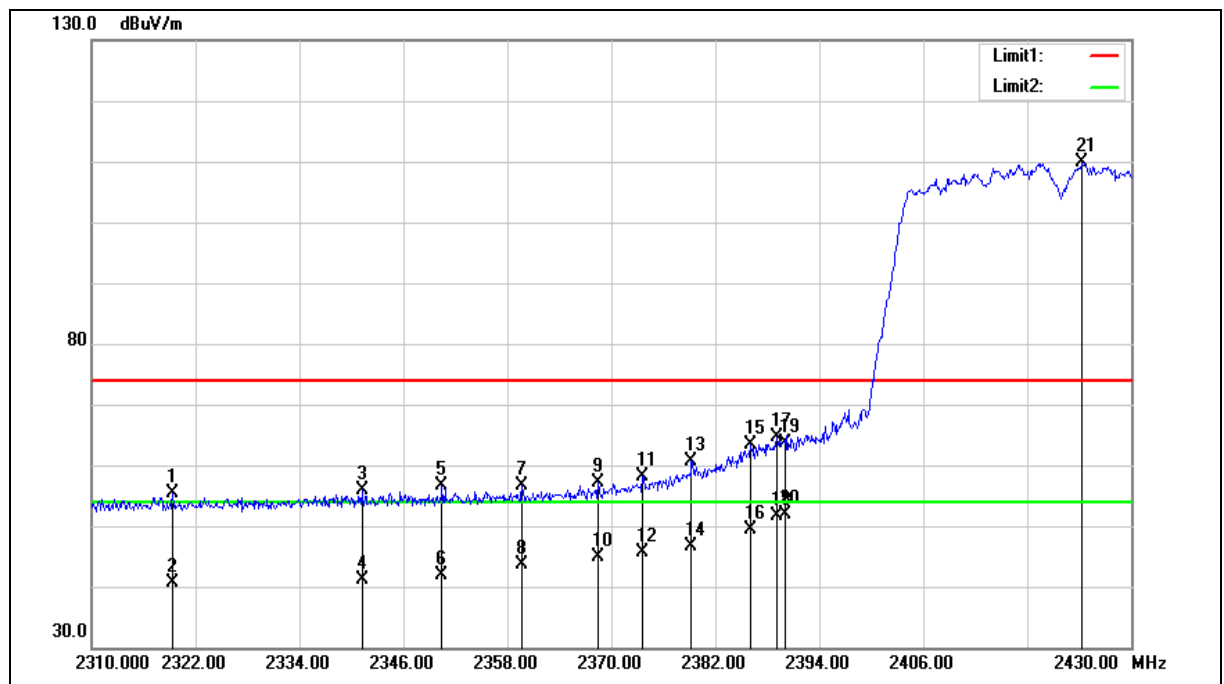
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2323.680	57.75	-3.52	54.23	74.00	-19.77	peak
2	2323.680	44.02	-3.52	40.50	54.00	-13.50	AVG
3	2341.560	59.07	-3.46	55.61	74.00	-18.39	peak
4	2341.560	44.20	-3.46	40.74	54.00	-13.26	AVG
5	2363.160	58.20	-3.38	54.82	74.00	-19.18	peak
6	2363.160	45.03	-3.38	41.65	54.00	-12.35	AVG
7	2374.680	59.79	-3.34	56.45	74.00	-17.55	peak
8	2374.680	45.51	-3.34	42.17	54.00	-11.83	AVG
9	2381.520	60.72	-3.32	57.40	74.00	-16.60	peak
10	2381.520	46.43	-3.32	43.11	54.00	-10.89	AVG
11	2385.000	64.16	-3.30	60.86	74.00	-13.14	peak
12	2385.000	48.27	-3.30	44.97	54.00	-9.03	AVG
13	2388.120	64.05	-3.29	60.76	74.00	-13.24	peak
14	2388.120	50.14	-3.29	46.85	54.00	-7.15	AVG
15	2390.000	62.96	-3.28	59.68	74.00	-14.32	peak
16	2390.000	52.01	-3.28	48.73	54.00	-5.27	AVG
17	2420.280	107.25	-3.17	104.08	--	--	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:	3m
Test item:	Band edge		
Frequency:	2422 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3m
Test item:	Band edge		
Frequency:	2422 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		

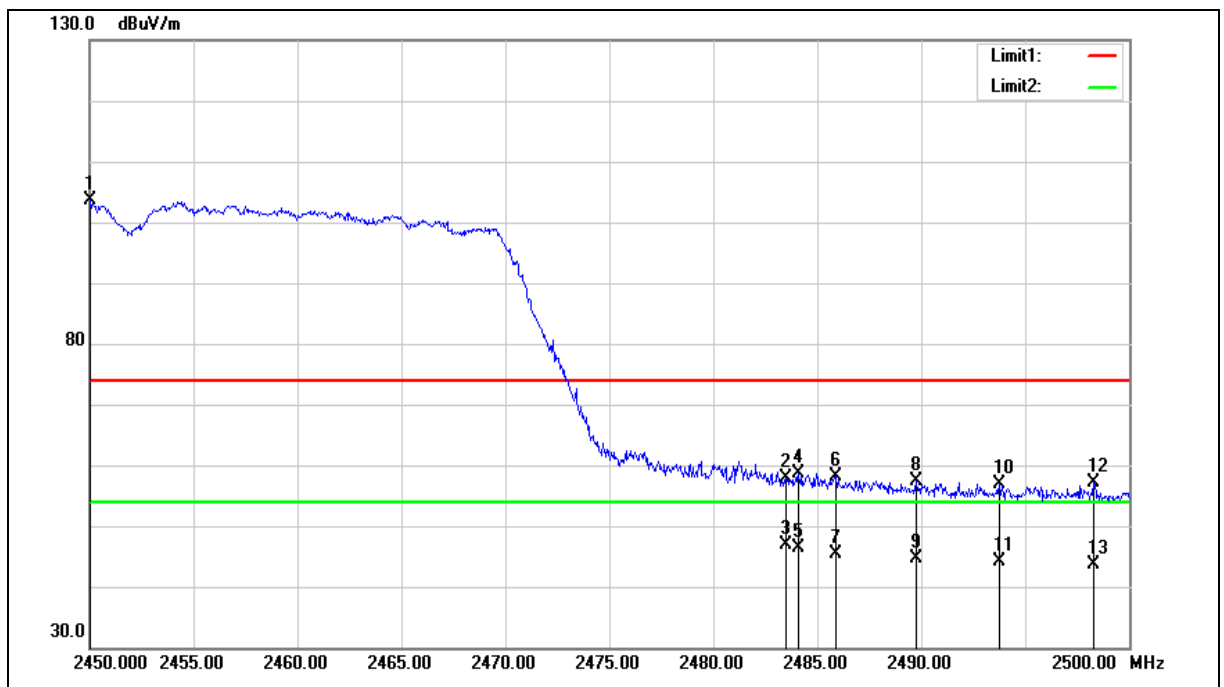
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2319.360	58.86	-3.53	55.33	74.00	-18.67	peak
2	2319.360	44.20	-3.53	40.67	54.00	-13.33	AVG
3	2341.200	59.30	-3.46	55.84	74.00	-18.16	peak
4	2341.200	44.62	-3.46	41.16	54.00	-12.84	AVG
5	2350.440	59.97	-3.42	56.55	74.00	-17.45	peak
6	2350.440	45.20	-3.42	41.78	54.00	-12.22	AVG
7	2359.680	60.13	-3.39	56.74	74.00	-17.26	peak
8	2359.680	46.93	-3.39	43.54	54.00	-10.46	AVG
9	2368.440	60.41	-3.36	57.05	74.00	-16.95	peak
10	2368.440	48.25	-3.36	44.89	54.00	-9.11	AVG
11	2373.600	61.40	-3.34	58.06	74.00	-15.94	peak
12	2373.600	49.06	-3.34	45.72	54.00	-8.28	AVG
13	2379.240	63.95	-3.32	60.63	74.00	-13.37	peak
14	2379.240	50.01	-3.32	46.69	54.00	-7.31	AVG
15	2386.080	66.63	-3.29	63.34	74.00	-10.66	peak
16	2386.080	52.64	-3.29	49.35	54.00	-4.65	AVG
17	2389.080	67.99	-3.28	64.71	74.00	-9.29	peak
18	2389.080	54.97	-3.28	51.69	54.00	-2.31	AVG
19	2390.000	66.84	-3.28	63.56	74.00	-10.44	peak
20	2390.000	55.25	-3.28	51.97	54.00	-2.03	AVG
21	2424.360	112.99	-3.16	109.83	--	--	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:	3m
Test item:	Band edge		
Frequency:	2452 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3m
Test item:	Band edge		
Frequency:	2452 MHz		
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

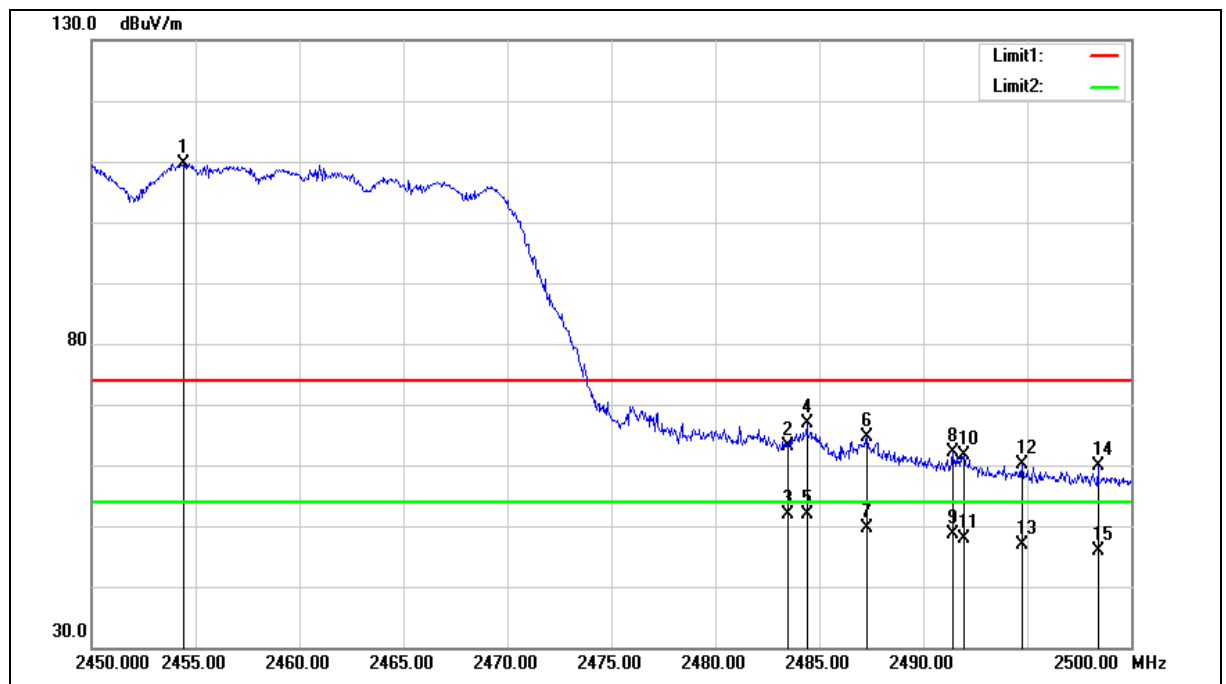
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2450.050	106.74	-3.06	103.68	--	--	peak
2	2483.500	60.72	-2.93	57.79	74.00	-16.21	peak
3	2483.500	49.69	-2.93	46.76	54.00	-7.24	AVG
4	2484.100	61.62	-2.93	58.69	74.00	-15.31	peak
5	2484.100	49.41	-2.93	46.48	54.00	-7.52	AVG
6	2485.900	61.14	-2.92	58.22	74.00	-15.78	peak
7	2485.900	48.20	-2.92	45.28	54.00	-8.72	AVG
8	2489.750	60.24	-2.91	57.33	74.00	-16.67	peak
9	2489.750	47.53	-2.91	44.62	54.00	-9.38	AVG
10	2493.750	59.83	-2.89	56.94	74.00	-17.06	peak
11	2493.750	46.97	-2.89	44.08	54.00	-9.92	AVG
12	2498.300	59.99	-2.88	57.11	74.00	-16.89	peak
13	2498.300	46.39	-2.88	43.51	54.00	-10.49	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:	3m
Test item:	Band edge		
Frequency:	2452 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3m
Test item:	Band edge		
Frequency:	2452 MHz		
Mode:	Mode 5		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2454.450	112.73	-3.04	109.69	--	--	peak
2	2483.500	66.09	-2.93	63.16	74.00	-10.84	peak
3	2483.500	54.72	-2.93	51.79	54.00	-2.21	AVG
4	2484.400	69.69	-2.93	66.76	74.00	-7.24	peak
5	2484.400	54.77	-2.93	51.84	54.00	-2.16	AVG
6	2487.300	67.49	-2.92	64.57	74.00	-9.43	peak
7	2487.300	52.63	-2.92	49.71	54.00	-4.29	AVG
8	2491.400	65.14	-2.91	62.23	74.00	-11.77	peak
9	2491.400	51.60	-2.91	48.69	54.00	-5.31	AVG
10	2491.950	64.45	-2.90	61.55	74.00	-12.45	peak
11	2491.950	50.71	-2.90	47.81	54.00	-6.19	AVG
12	2494.750	62.96	-2.89	60.07	74.00	-13.93	peak
13	2494.750	49.82	-2.89	46.93	54.00	-7.07	AVG
14	2498.400	62.67	-2.87	59.80	74.00	-14.20	peak
15	2498.400	48.83	-2.87	45.96	54.00	-8.04	AVG

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

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

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

Annex C. Conducted Test Results

Maximum Conducted Output Power Measurement

操作模式	Data Rate (Mbps)	頻道 CH	輸出功率(Average)		Limit (dBm)
			ANT-0		
			dBm	W	
Mode 2	1	01	13.85	0.024	≤ 30.00
		06	13.47	0.022	≤ 30.00
		11	13.40	0.022	≤ 30.00
Mode 3	6	01	13.68	0.023	≤ 30.00
		06	13.72	0.024	≤ 30.00
		11	13.21	0.021	≤ 30.00
Mode 4	13	01	13.51	0.022	≤ 30.00
		06	13.44	0.022	≤ 30.00
		11	13.06	0.020	≤ 30.00
Mode 5	27	03	13.06	0.020	≤ 30.00
		06	13.69	0.023	≤ 30.00
		09	13.17	0.021	≤ 30.00

操作模式	Data Rate (Mbps)	頻道 CH	輸出功率(Average)		Limit (dBm)
			ANT-1		
			dBm	W	
Mode 2	1	01	13.43	0.022	≤ 30.00
		06	13.29	0.021	≤ 30.00
		11	13.20	0.021	≤ 30.00
Mode 3	6	01	13.30	0.021	≤ 30.00
		06	13.32	0.021	≤ 30.00
		11	13.33	0.022	≤ 30.00
Mode 4	13	01	13.31	0.021	≤ 30.00
		06	13.32	0.021	≤ 30.00
		11	13.35	0.022	≤ 30.00
Mode 5	27	03	12.73	0.019	≤ 30.00
		06	13.31	0.021	≤ 30.00
		09	12.57	0.018	≤ 30.00

操作模式	Data Rate (Mbps)	頻道 CH	輸出功率(Average)		Limit (dBm)
			ANT-0+1		
			dBm	W	
Mode 3	6	01	16.50	0.045	≤ 30.00
		06	16.53	0.045	≤ 30.00
		11	16.28	0.042	≤ 30.00
Mode 4	13	01	16.42	0.044	≤ 30.00
		06	16.39	0.044	≤ 30.00
		11	16.22	0.042	≤ 30.00
Mode 5	27	03	15.91	0.039	≤ 30.00
		06	16.51	0.045	≤ 30.00
		09	15.89	0.039	≤ 30.00

Out of Band Conducted Spurious Emission

Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0

CH01



CH06



CH11



Mode 3: IEEE 802.11g Continuous TX Mode_ANT-0

CH01



CH06



CH11



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

CH01



CH06



CH11



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

CH03



CH06



CH09



Mode 3: IEEE 802.11g Continuous TX Mode_ANT-1

CH01



CH06



CH11



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



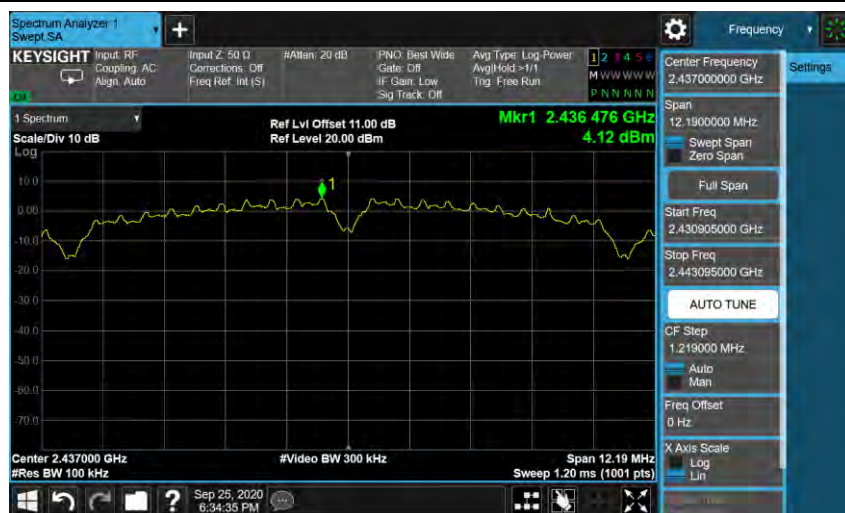
Reference level

Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0

CH01



CH06



CH11



Mode 3: IEEE 802.11g Continuous TX Mode_ANT-0

CH01



CH06



CH11



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

CH01



CH06



CH11

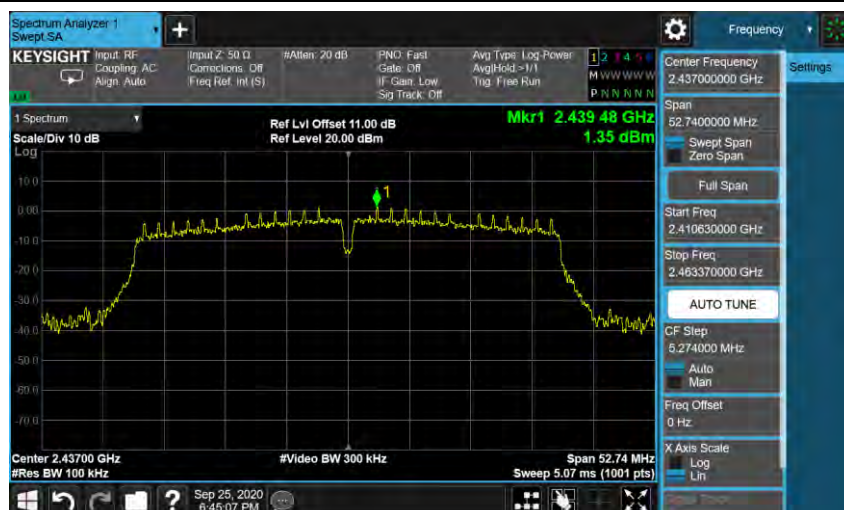


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-0

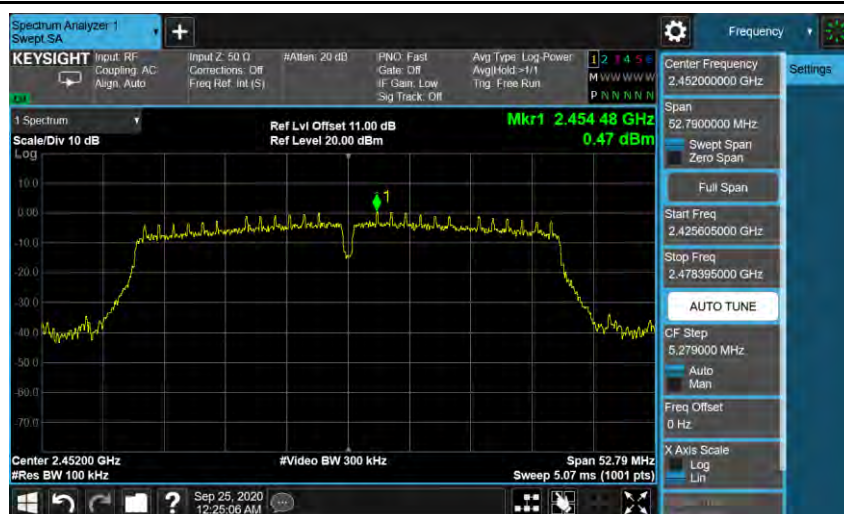
CH03



CH06



CH09



Mode 3: IEEE 802.11g Continuous TX Mode_ANT-1

CH01



CH06



CH11



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



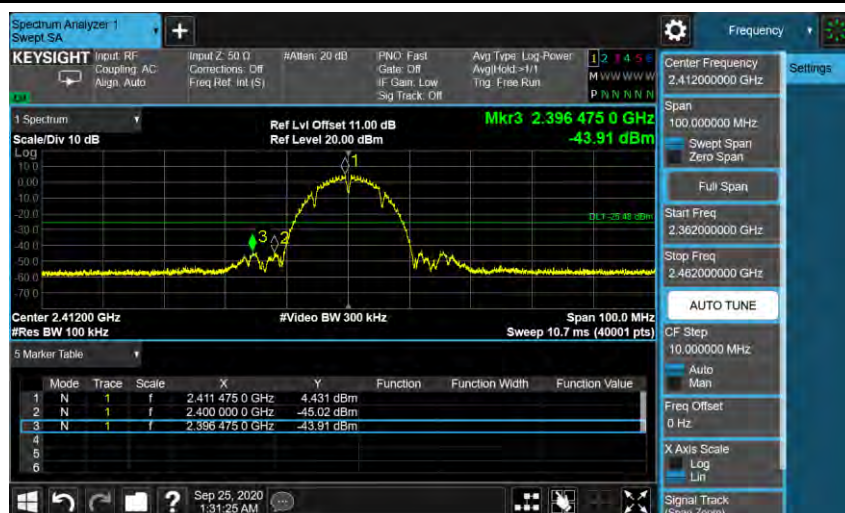
CH09



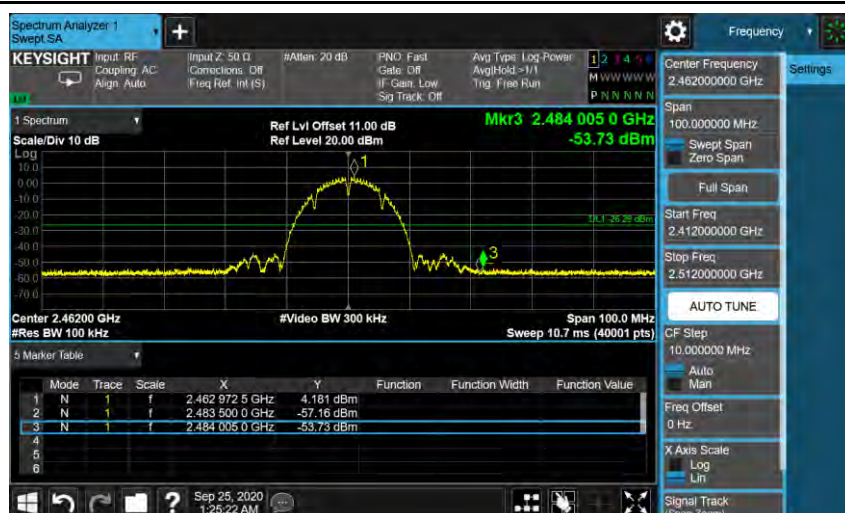
Conducted Band Edge

Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0

CH01

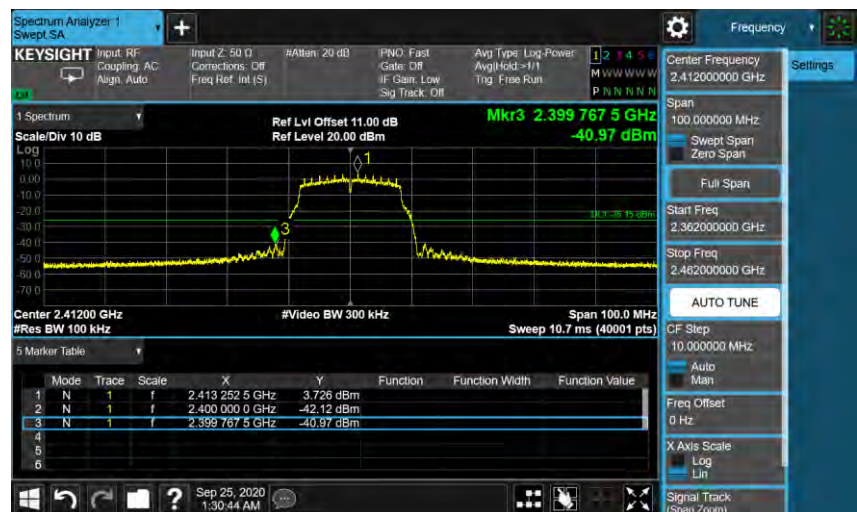


CH11

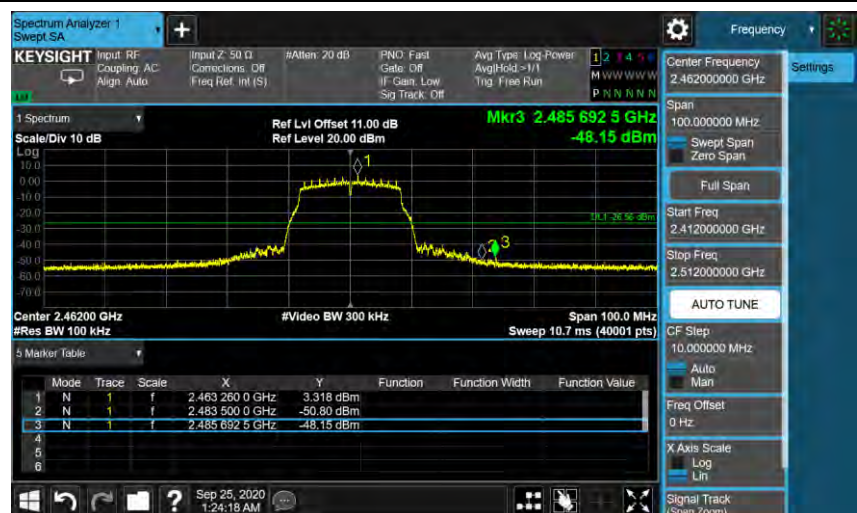


Mode 3: IEEE 802.11g Continuous TX Mode_ANT-0

CH01

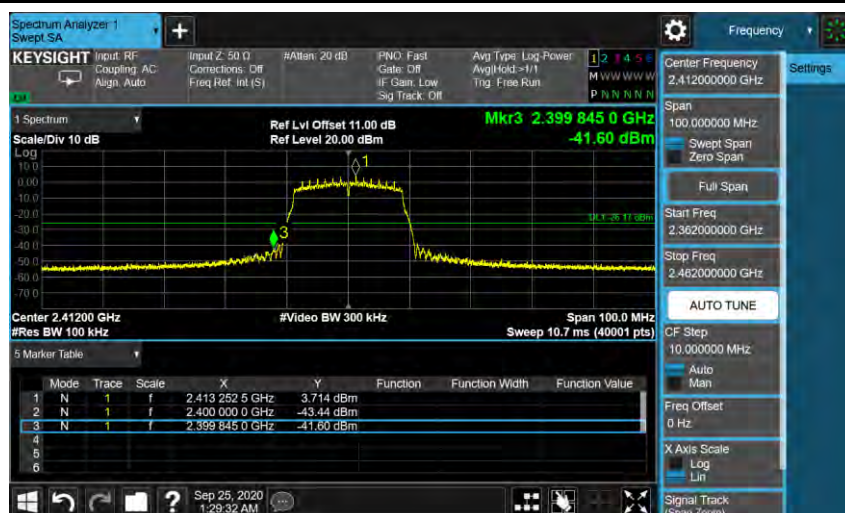


CH11

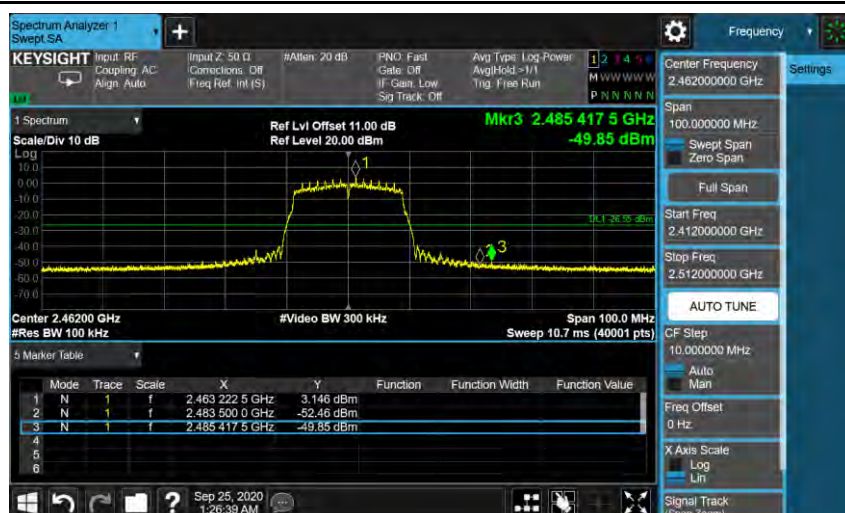


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-0

CH01

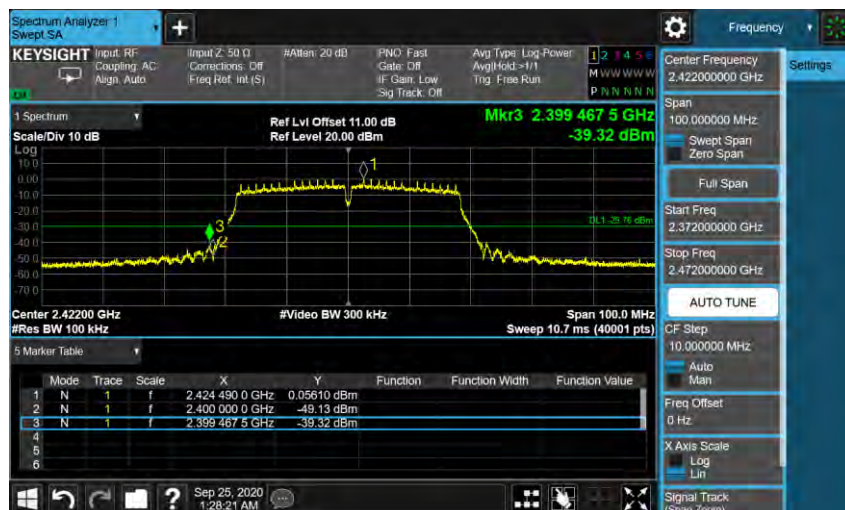


CH11

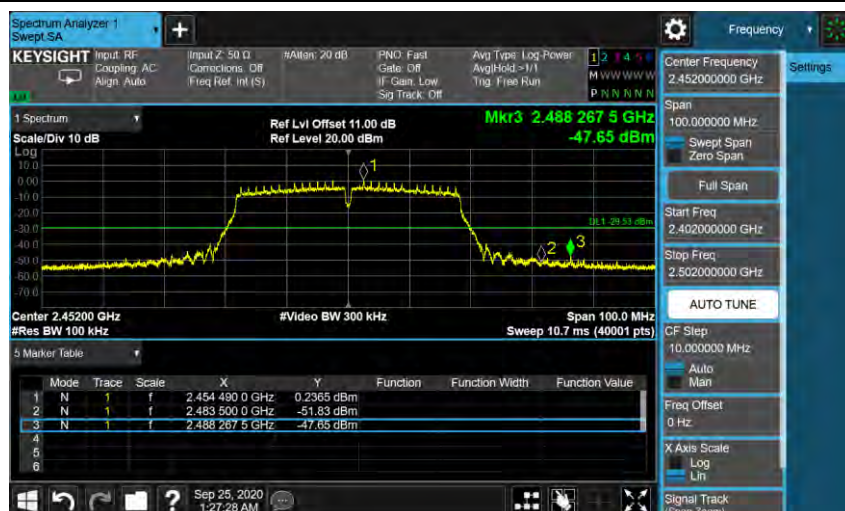


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-0

CH03

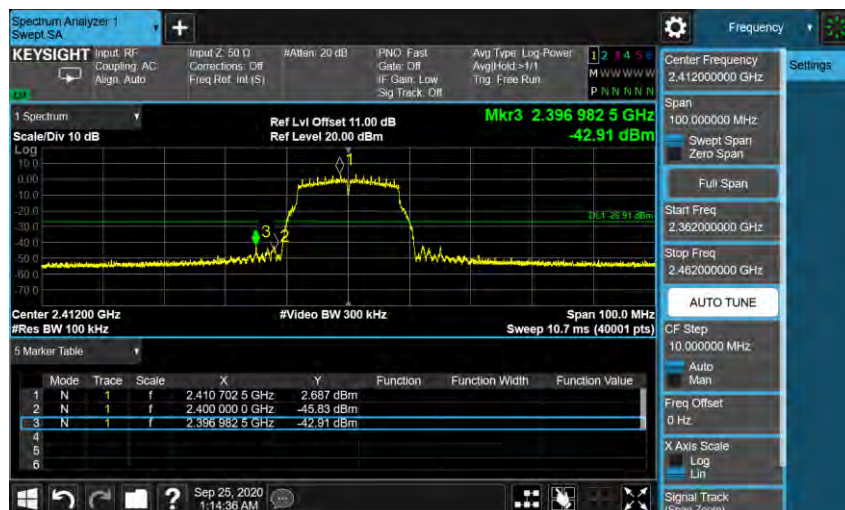


CH09

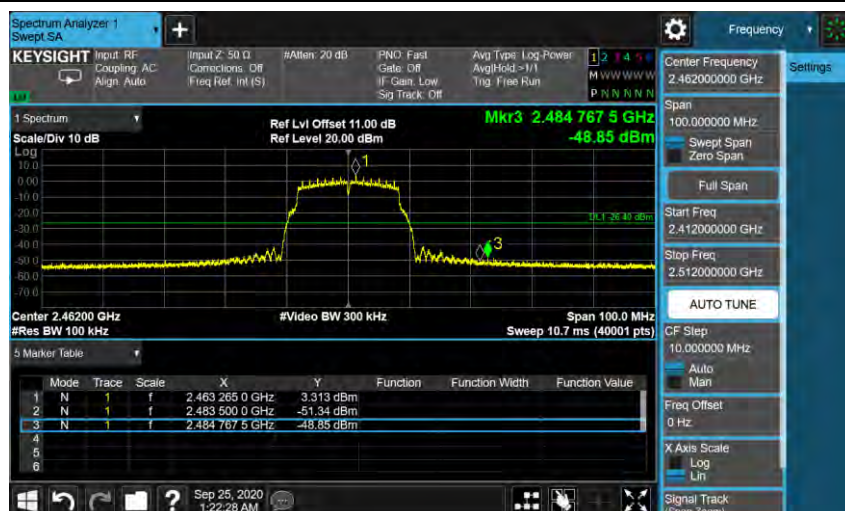


Mode 3: IEEE 802.11g Continuous TX Mode_ANT-1

CH01

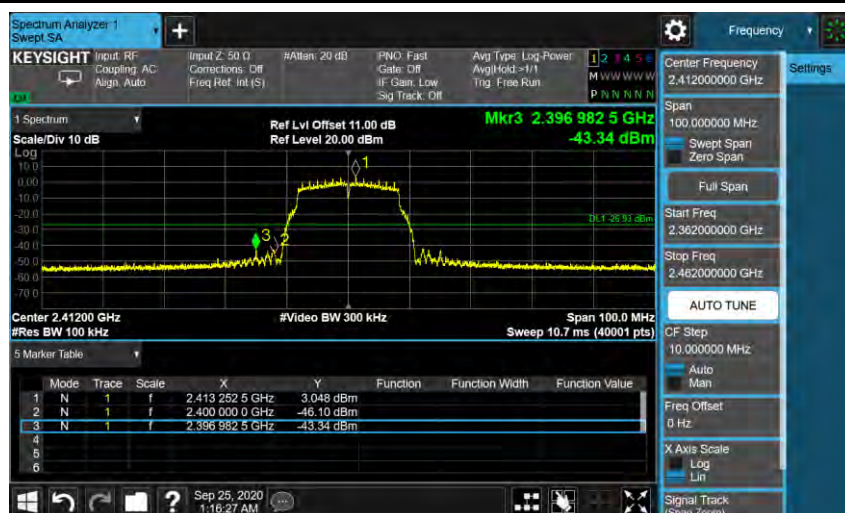


CH11

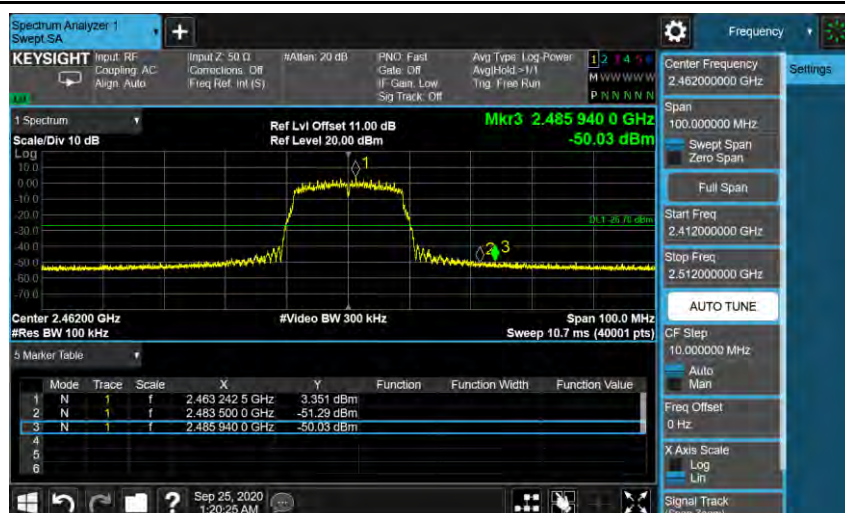


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-1

CH01



CH11





6dB Bandwidth

操作模式	頻道	量測值 (kHz)	限制值 (kHz)
		ANT-0	
Mode 2	CH01	9041	≥ 500
	CH06	8121	≥ 500
	CH11	9094	≥ 500
Mode 3	CH01	15160	≥ 500
	CH06	15160	≥ 500
	CH11	15170	≥ 500
Mode 4	CH01	15160	≥ 500
	CH06	15150	≥ 500
	CH11	15160	≥ 500
Mode 5	CH03	35190	≥ 500
	CH06	35160	≥ 500
	CH09	35190	≥ 500

操作模式	頻道	量測值 (kHz)	限制值 (kHz)
		ANT-1	
Mode 3	CH01	15160	≥ 500
	CH06	15160	≥ 500
	CH11	15160	≥ 500
Mode 4	CH01	15150	≥ 500
	CH06	15730	≥ 500
	CH11	15730	≥ 500
Mode 5	CH03	35190	≥ 500
	CH06	35150	≥ 500
	CH09	35170	≥ 500

Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0

CH01



CH06



CH11

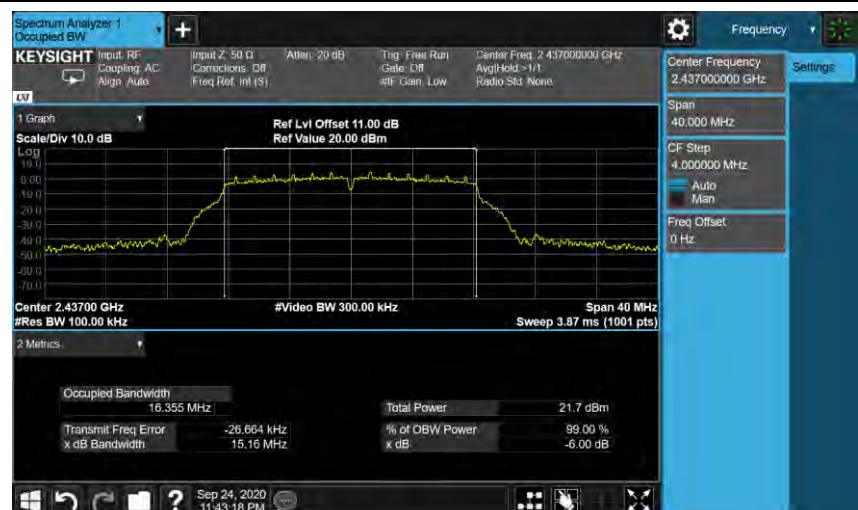


Mode 3: IEEE 802.11g Continuous TX Mode_ANT-0

CH01



CH06

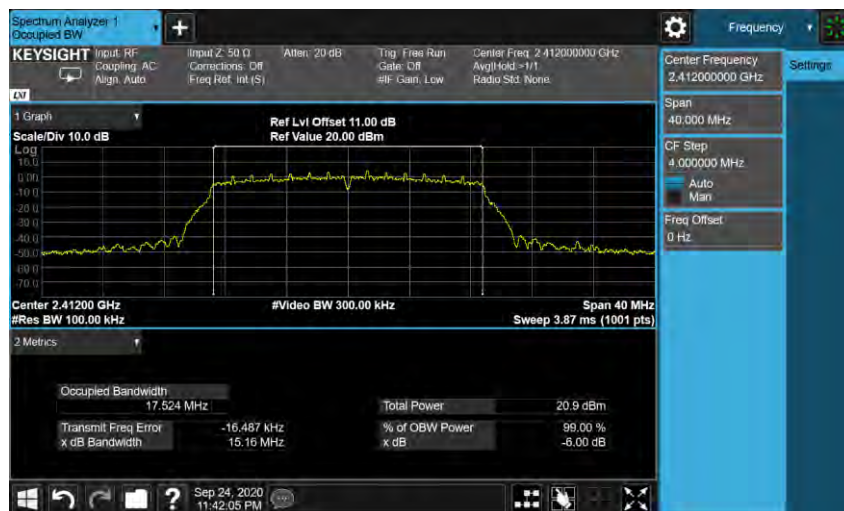


CH11

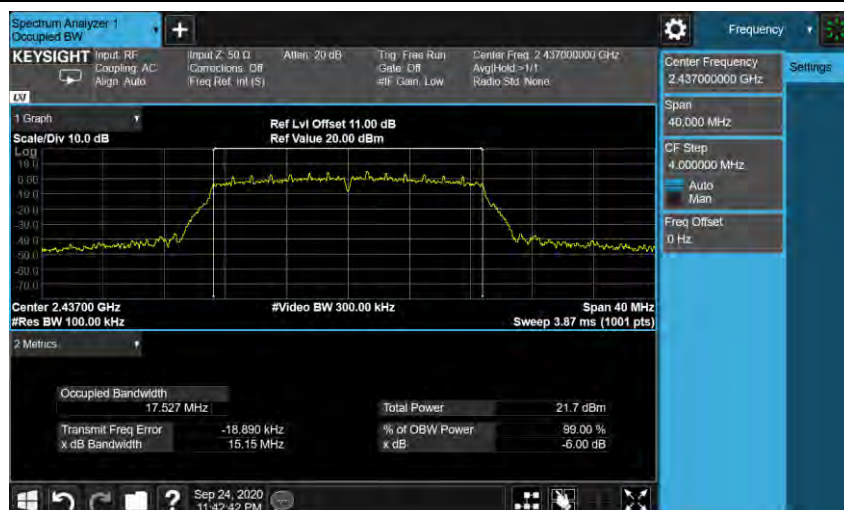


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-0

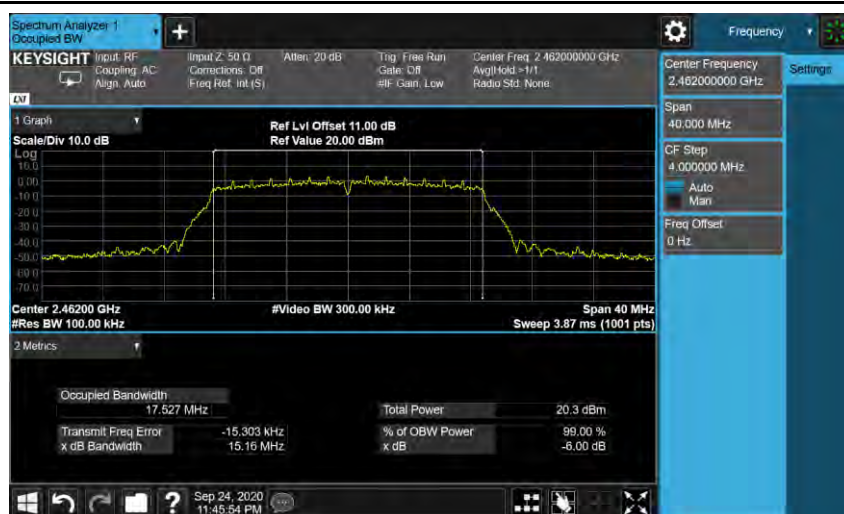
CH01



CH06

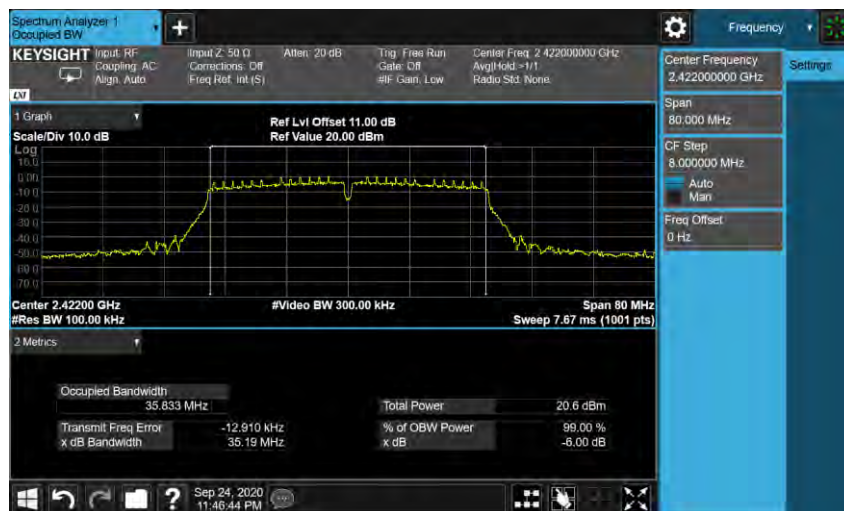


CH11

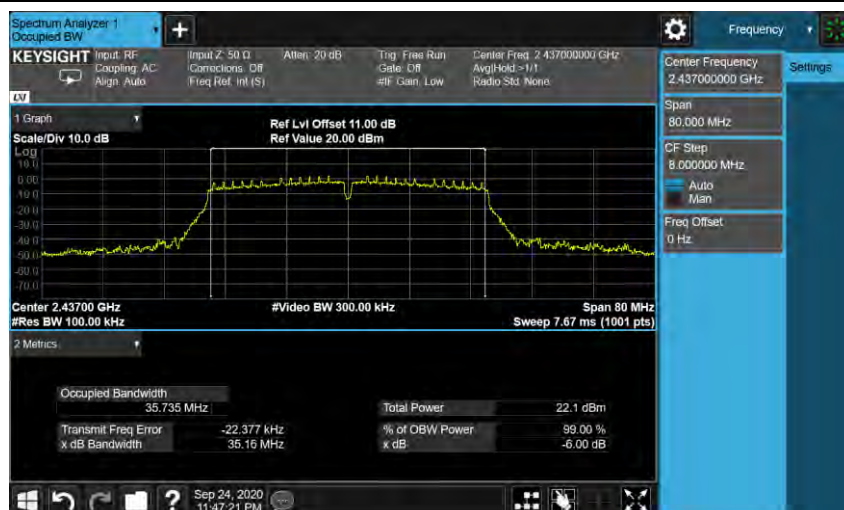


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-0

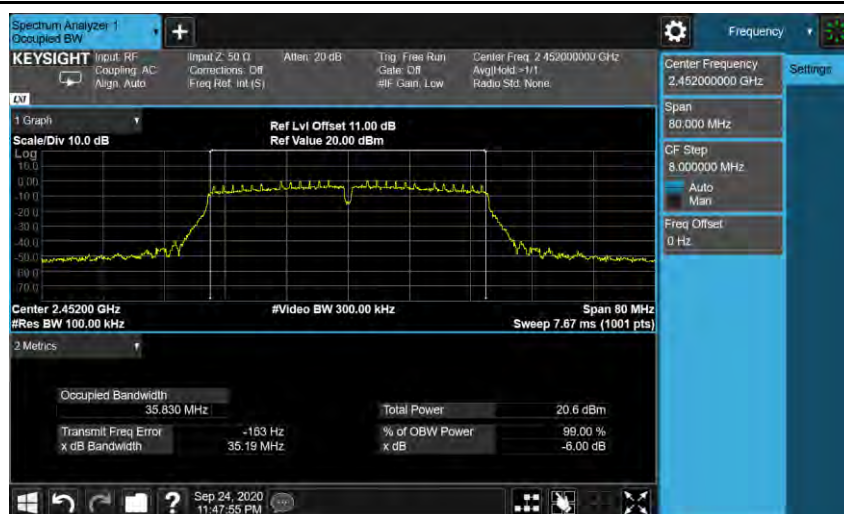
CH03



CH06



CH09



Mode 3: IEEE 802.11g Continuous TX Mode_ANT-1

CH01



CH06

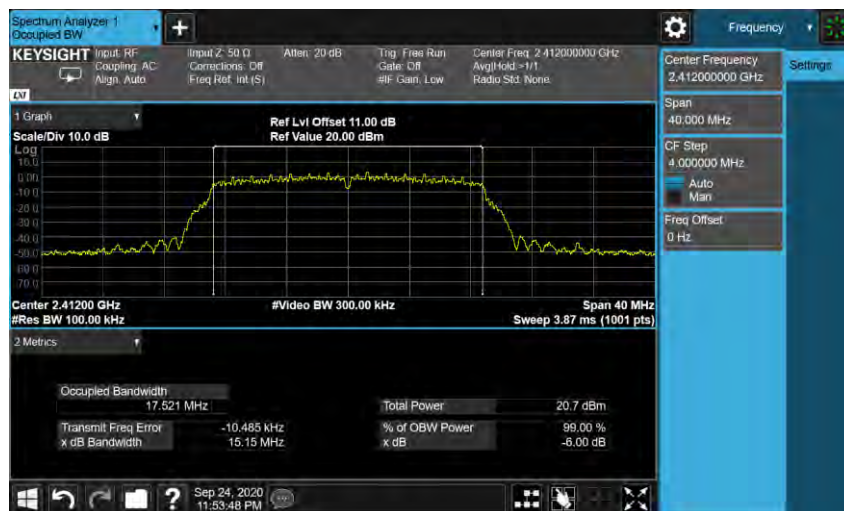


CH11

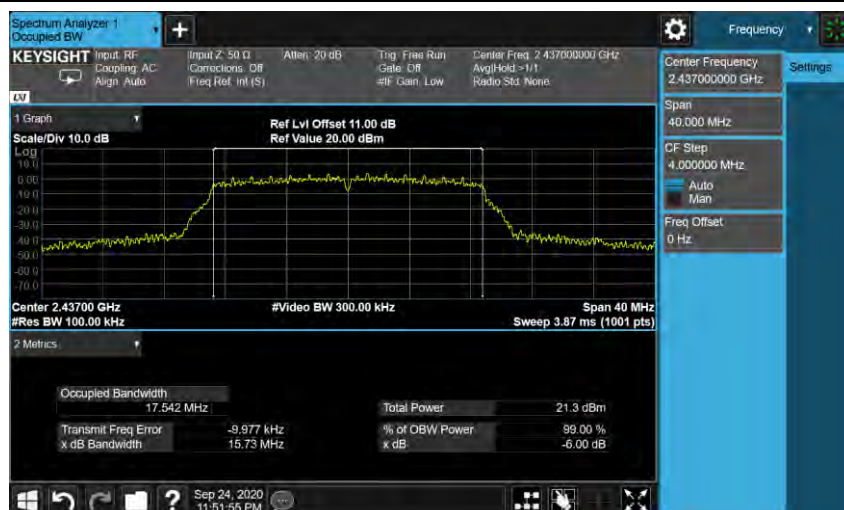


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-1

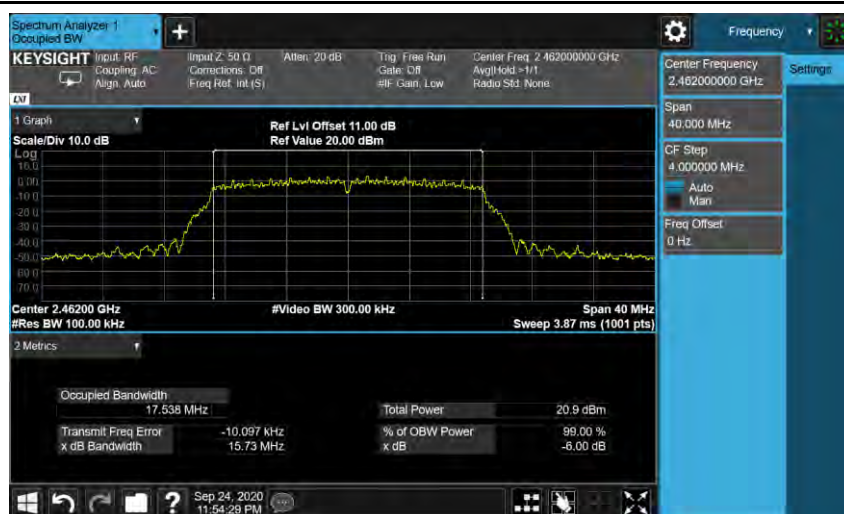
CH01



CH06

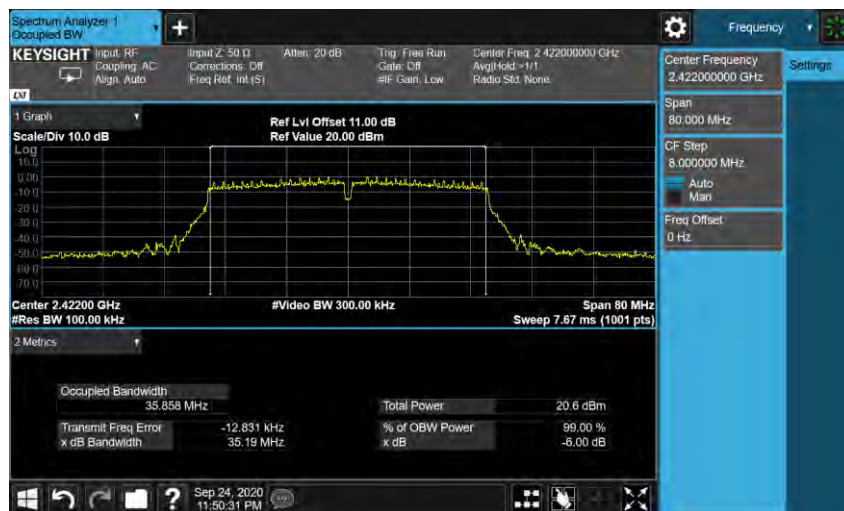


CH11



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

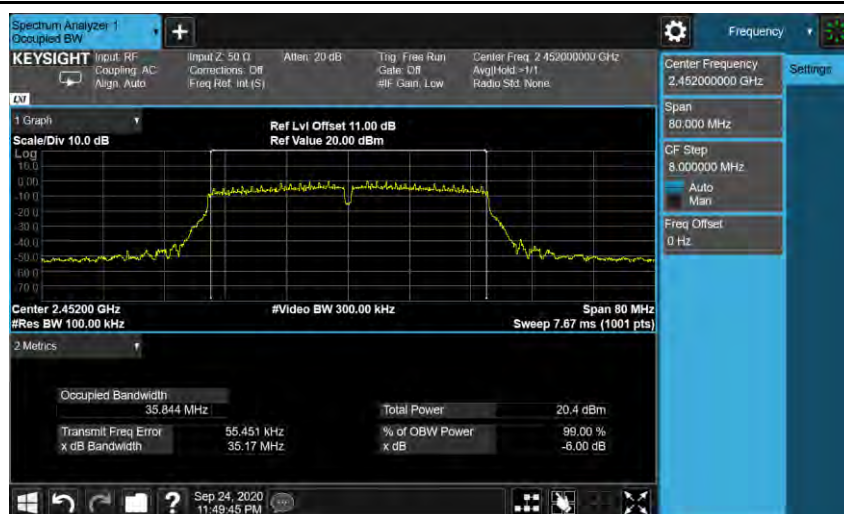
CH03



CH06



CH09



Maximum Power Spectral Density

操作模式	頻道	量測值 (dBm)	限制值 (dBm/3 kHz)
		ANT-0	
Mode 2	CH01	-10.510	≤ 8.00
	CH06	-10.550	≤ 8.00
	CH11	-9.460	≤ 8.00
Mode 3	CH01	-12.440	≤ 8.00
	CH06	-12.390	≤ 8.00
	CH11	-11.900	≤ 8.00
Mode 4	CH01	-11.400	≤ 8.00
	CH06	-12.080	≤ 8.00
	CH11	-11.610	≤ 8.00
Mode 5	CH03	-14.820	≤ 8.00
	CH06	-15.030	≤ 8.00
	CH09	-14.780	≤ 8.00
操作模式	頻道	量測值 (dBm)	限制值 (dBm/3 kHz)
		ANT-1	
Mode 3	CH01	-13.000	≤ 8.00
	CH06	-13.500	≤ 8.00
	CH11	-11.310	≤ 8.00
Mode 4	CH01	-11.300	≤ 8.00
	CH06	-11.770	≤ 8.00
	CH11	-11.800	≤ 8.00
Mode 5	CH03	-16.320	≤ 8.00
	CH06	-14.190	≤ 8.00
	CH09	-15.600	≤ 8.00
操作模式	頻道	量測值 (dBm)	限制值 (dBm/3 kHz)
		ANT-0+1	
Mode 3	CH01	-9.701	≤ 8.00
	CH06	-9.899	≤ 8.00
	CH11	-8.585	≤ 8.00
Mode 4	CH01	-8.339	≤ 8.00
	CH06	-8.912	≤ 8.00
	CH11	-8.694	≤ 8.00
Mode 5	CH03	-12.495	≤ 8.00
	CH06	-11.579	≤ 8.00
	CH09	-12.160	≤ 8.00

Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0

CH01



CH06



CH11

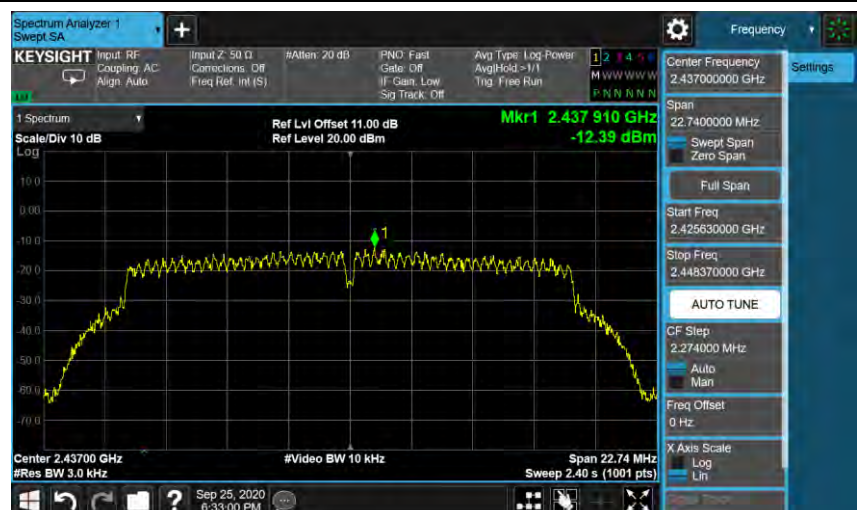


Mode 3: IEEE 802.11g Continuous TX Mode_ANT-0

CH01



CH06



CH11

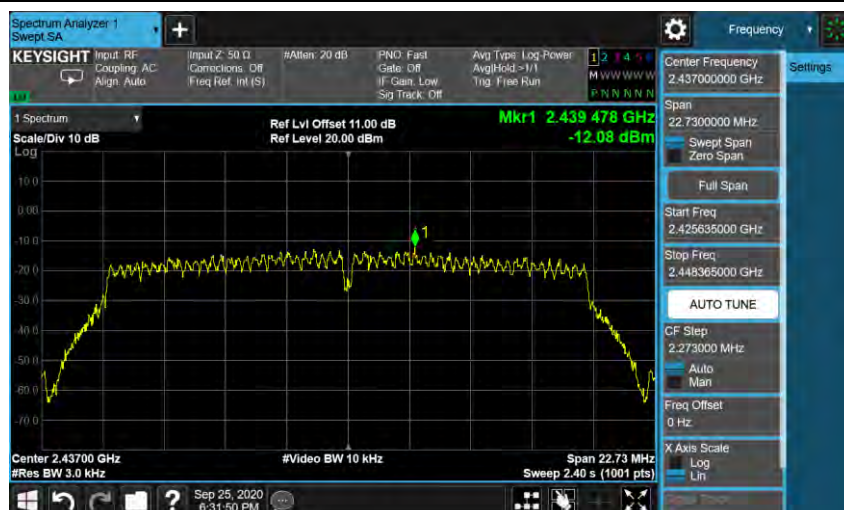


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-0

CH01



CH06



CH11

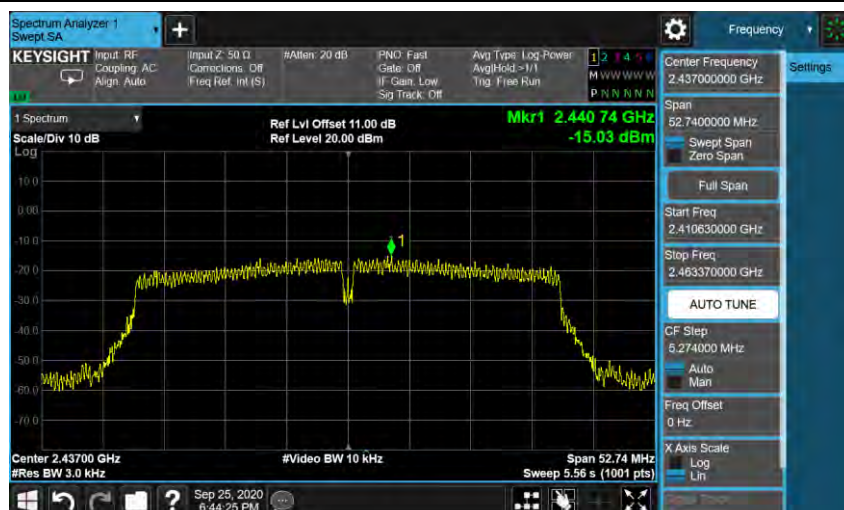


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-0

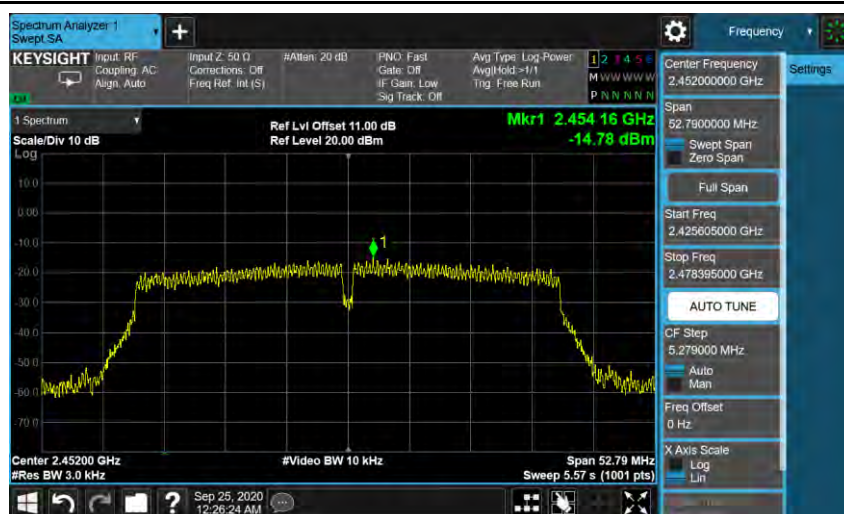
CH03



CH06



CH09



Mode 3: IEEE 802.11g Continuous TX Mode_ANT-1

CH01



CH06



CH11

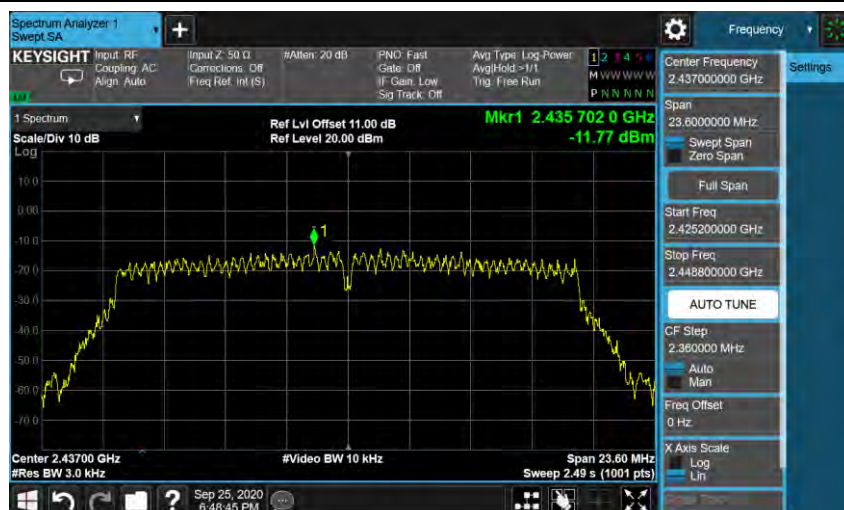


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-1

CH01



CH06



CH11



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

CH03



CH06



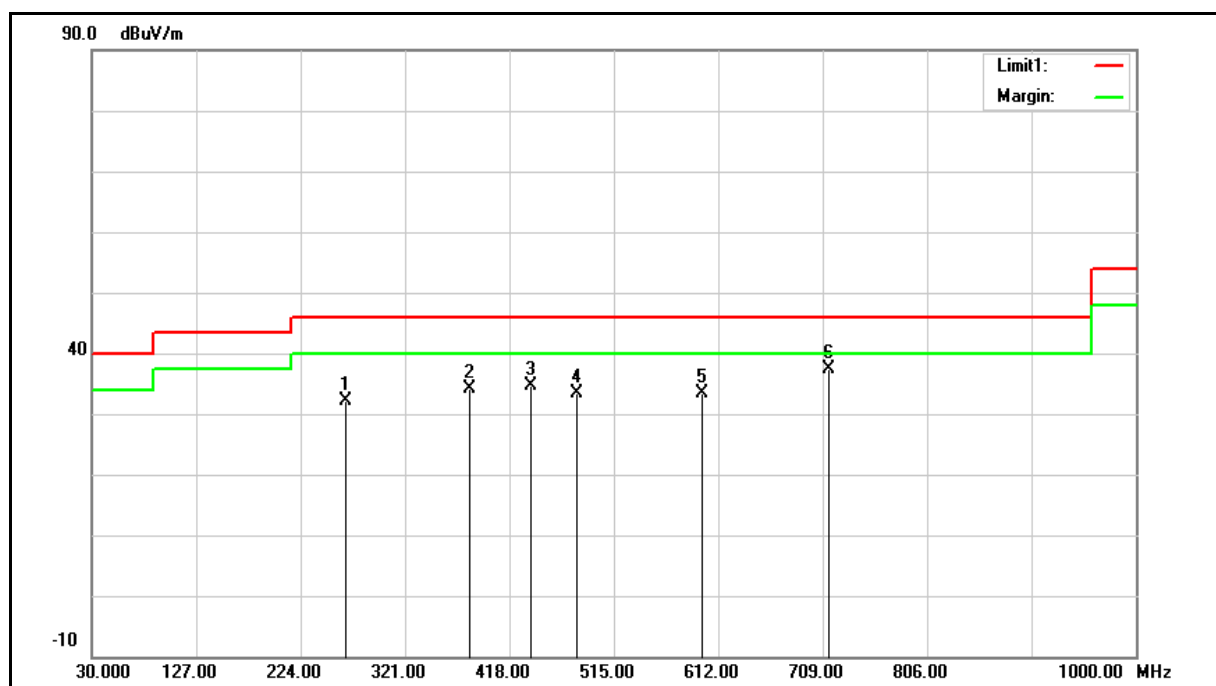
CH09



Annex D. Radiated Emission Measurement

其它不必要之訊號 (1 GHz 以下)

Standard:	LP0002	Test Distance:	3 m
Test item:	Radiated Emission		
Frequency:	5180 MHz		
Mode:	Mode 9		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	265.7100	39.93	-7.81	32.12	46.00	-13.88	QP
2	381.1400	39.38	-5.14	34.24	46.00	-11.76	QP
3	438.3700	38.87	-4.17	34.70	46.00	-11.30	QP
4	480.0800	37.07	-3.81	33.26	46.00	-12.74	QP
5	597.4500	34.87	-1.40	33.47	46.00	-12.53	QP
6	714.8200	37.13	0.17	37.30	46.00	-8.70	QP

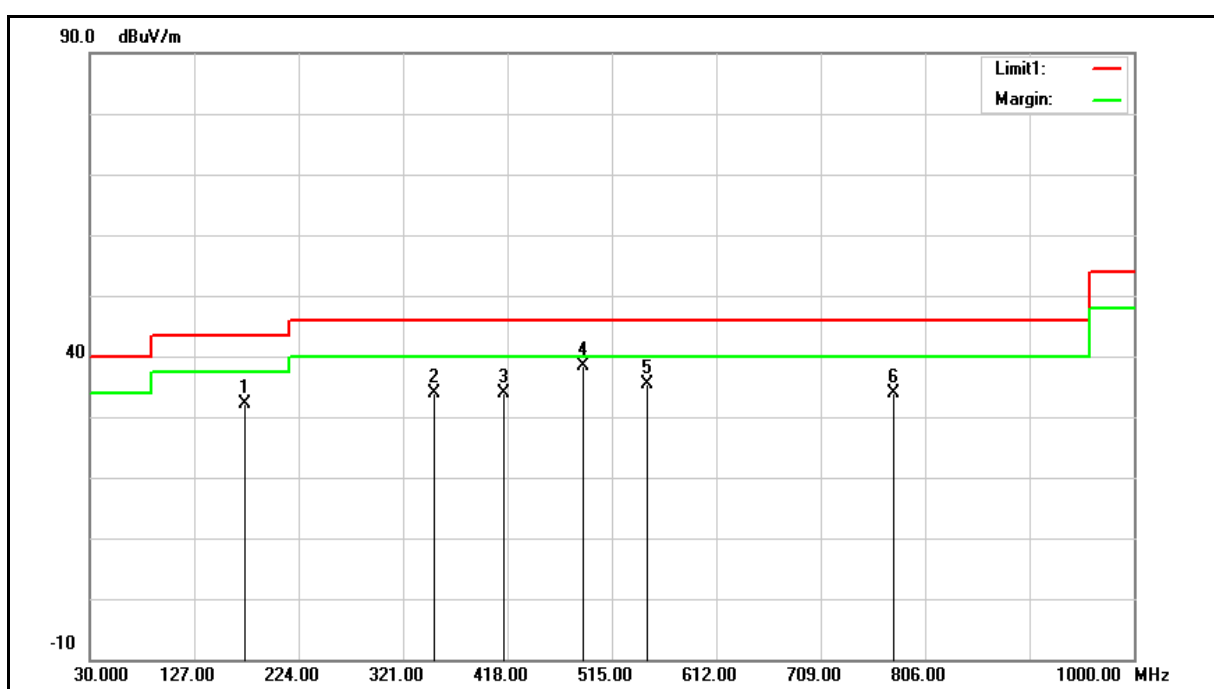
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

Example: 32.12 = -7.81 + 39.93.

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Radiated Emission		
Frequency:	5180 MHz		
Mode:	Mode 9		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	174.5300	40.53	-8.36	32.17	43.50	-11.33	QP
2	350.1000	39.54	-5.66	33.88	46.00	-12.12	QP
3	415.0900	38.55	-4.57	33.98	46.00	-12.02	QP
4	488.8100	42.22	-3.77	38.45	46.00	-7.55	QP
5	547.9800	37.93	-2.56	35.37	46.00	-10.63	QP
6	776.9000	32.69	1.18	33.87	46.00	-12.13	QP

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

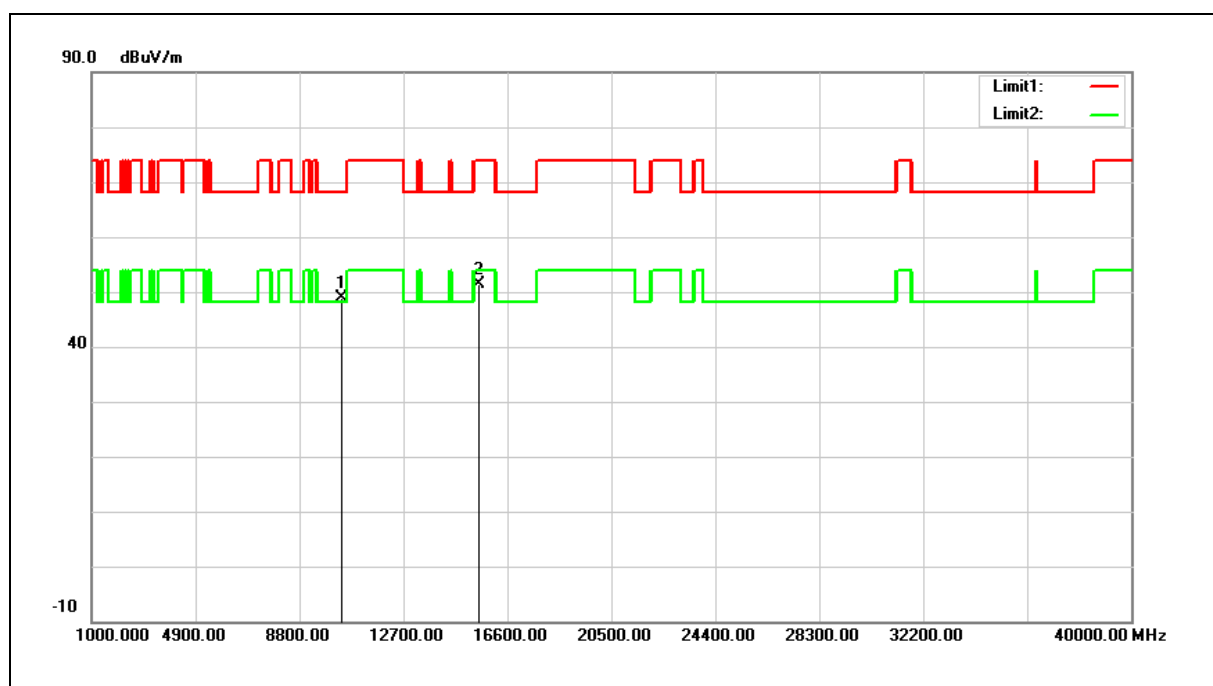
Example: $32.17 = -8.36 + 40.53$.

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.

場強輻射量側 (1 GHz 以上)

Standard:	LP0002	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5180 MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	35.69	13.27	48.96	68.20	-19.24	peak
2	15540.000	35.53	15.81	51.34	74.00	-22.66	peak

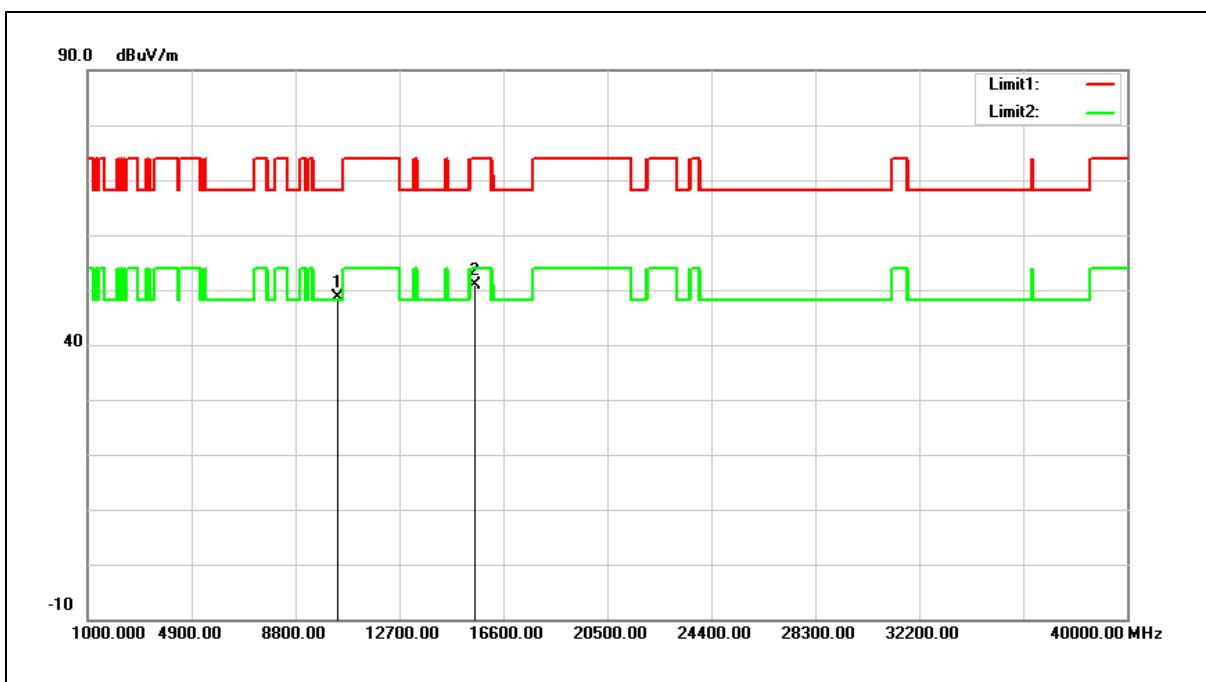
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 48.96 = 13.27 + 35.69.

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5180 MHz		
Mode:	Mode 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	35.32	13.27	48.59	68.20	-19.61	peak
2	15540.000	35.10	15.81	50.91	74.00	-23.09	peak

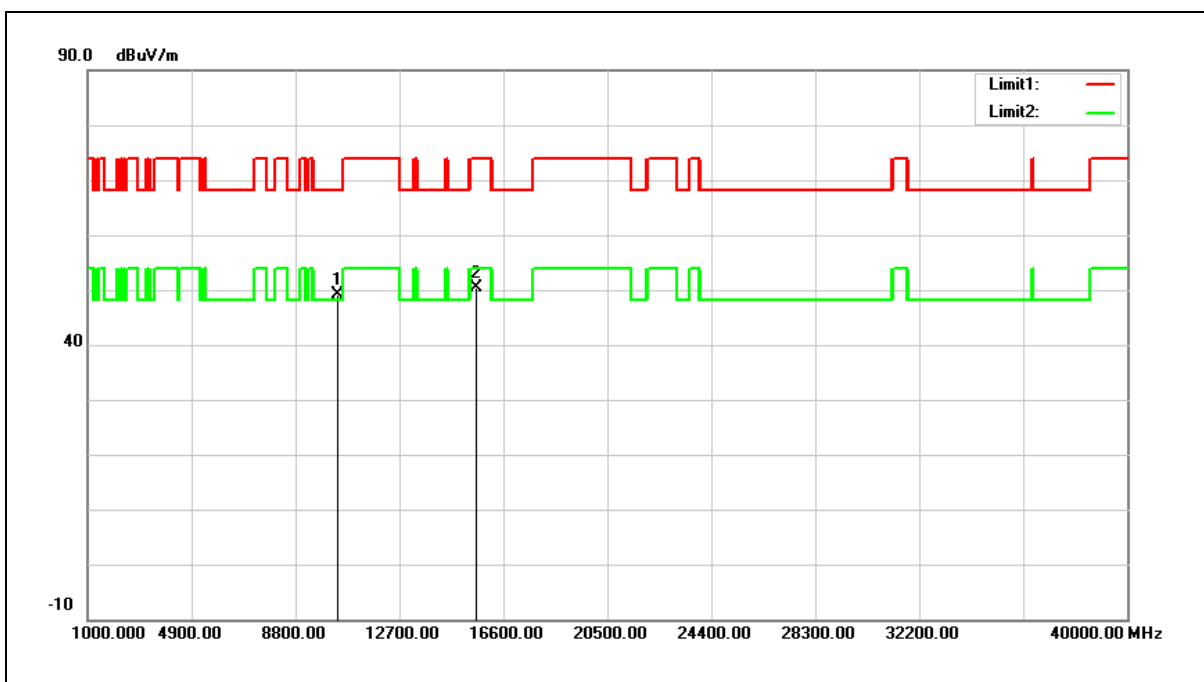
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 48.59 = 13.27 + 35.32.

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:	3m
Test item:	Harmonic		
Frequency:	5200 MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



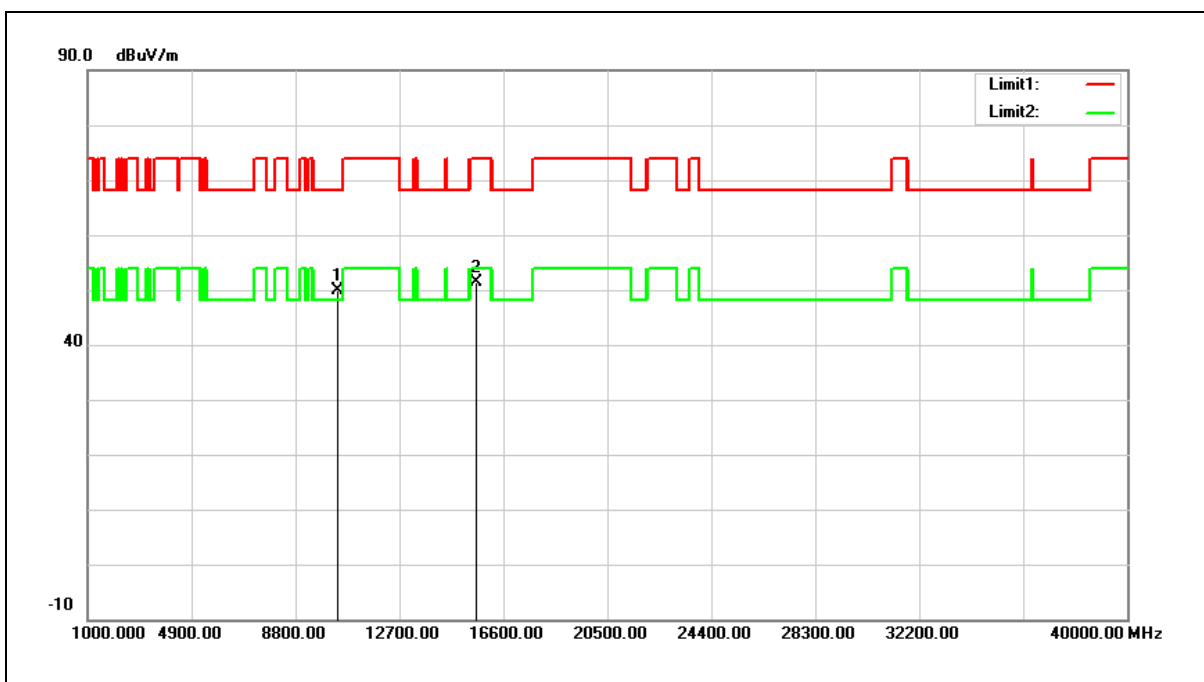
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	35.73	13.41	49.14	68.20	-19.06	peak
2	15600.000	34.81	15.63	50.44	74.00	-23.56	peak

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:	3m
Test item:	Harmonic		
Frequency:	5200 MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



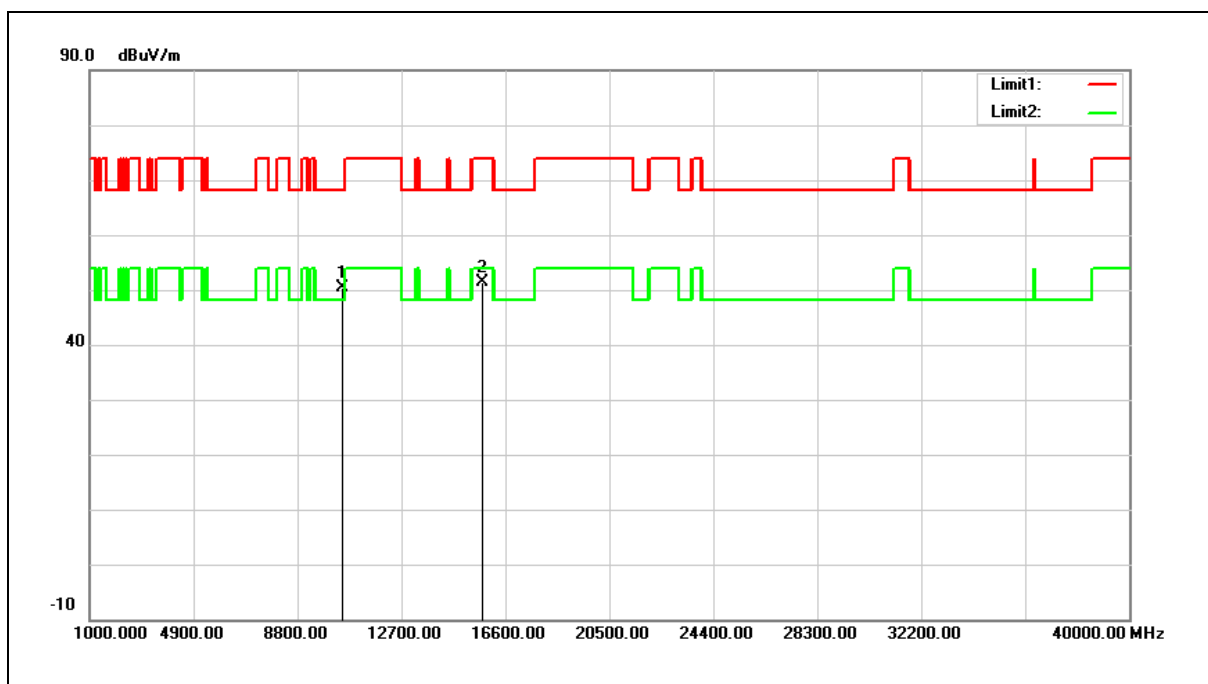
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	36.50	13.41	49.91	68.20	-18.29	peak
2	15600.000	35.85	15.63	51.48	74.00	-22.52	peak

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5240 MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



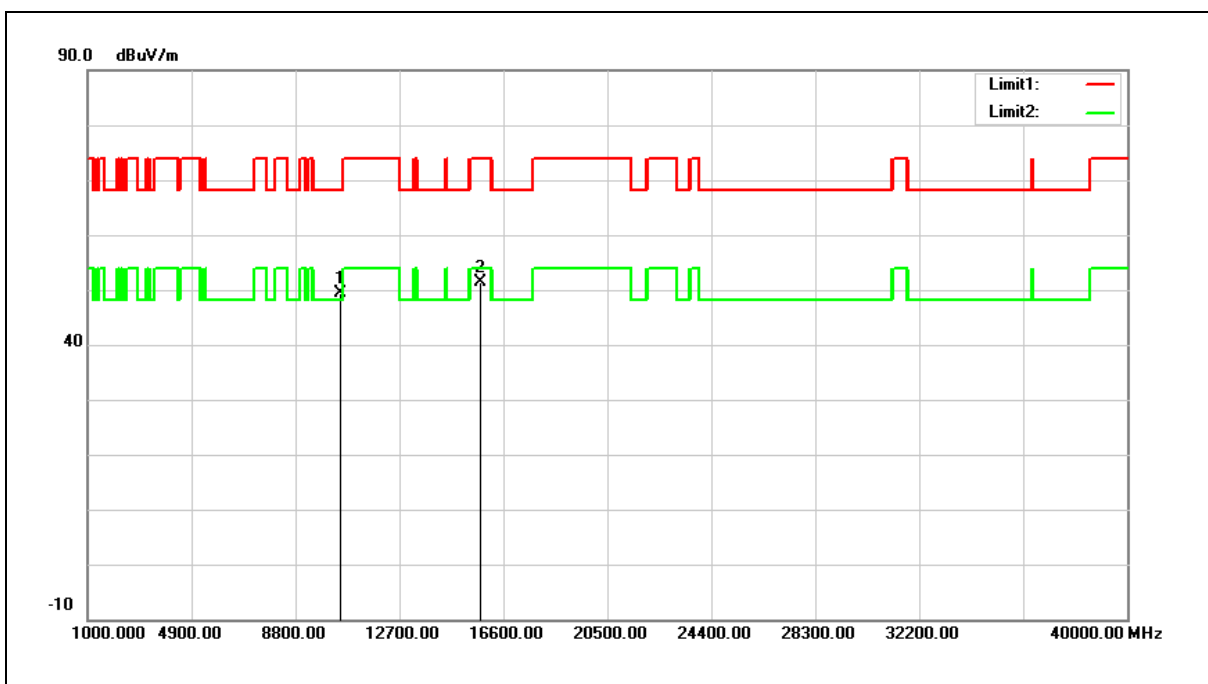
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	36.58	13.70	50.28	68.20	-17.92	peak
2	15720.000	36.17	15.27	51.44	74.00	-22.56	peak

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:	3m
Test item:	Harmonic		
Frequency:	5240 MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



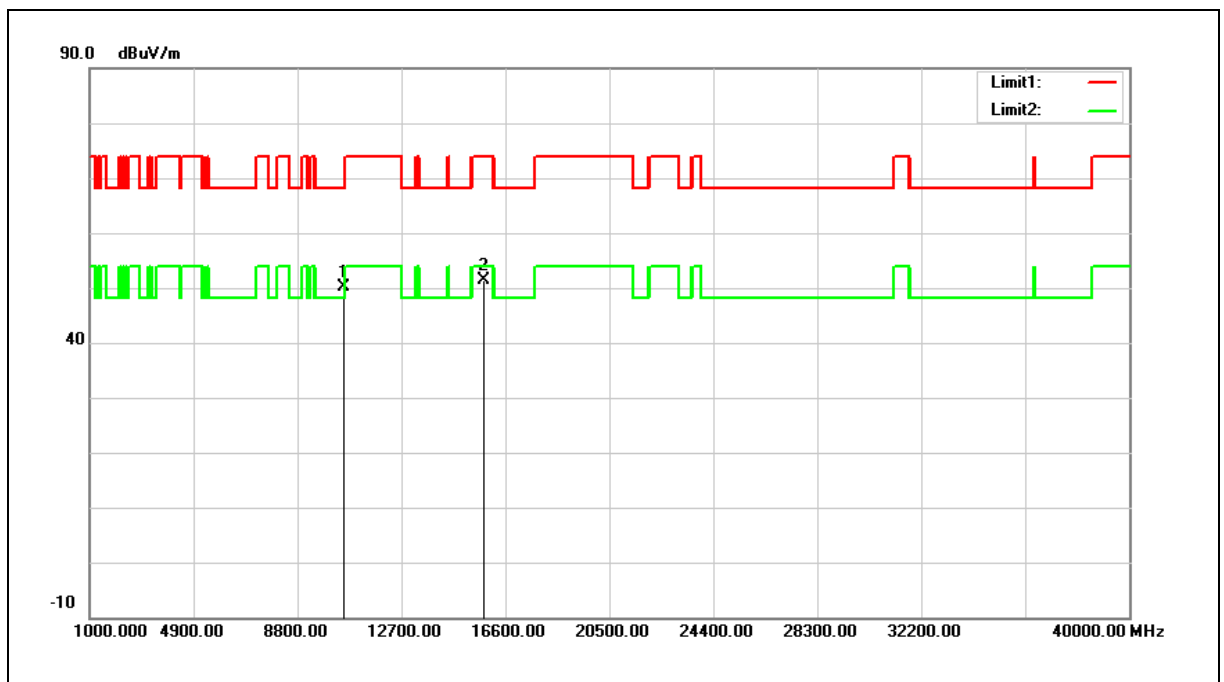
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	35.74	13.70	49.44	68.20	-18.76	peak
2	15720.000	36.21	15.27	51.48	74.00	-22.52	peak

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5260 MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



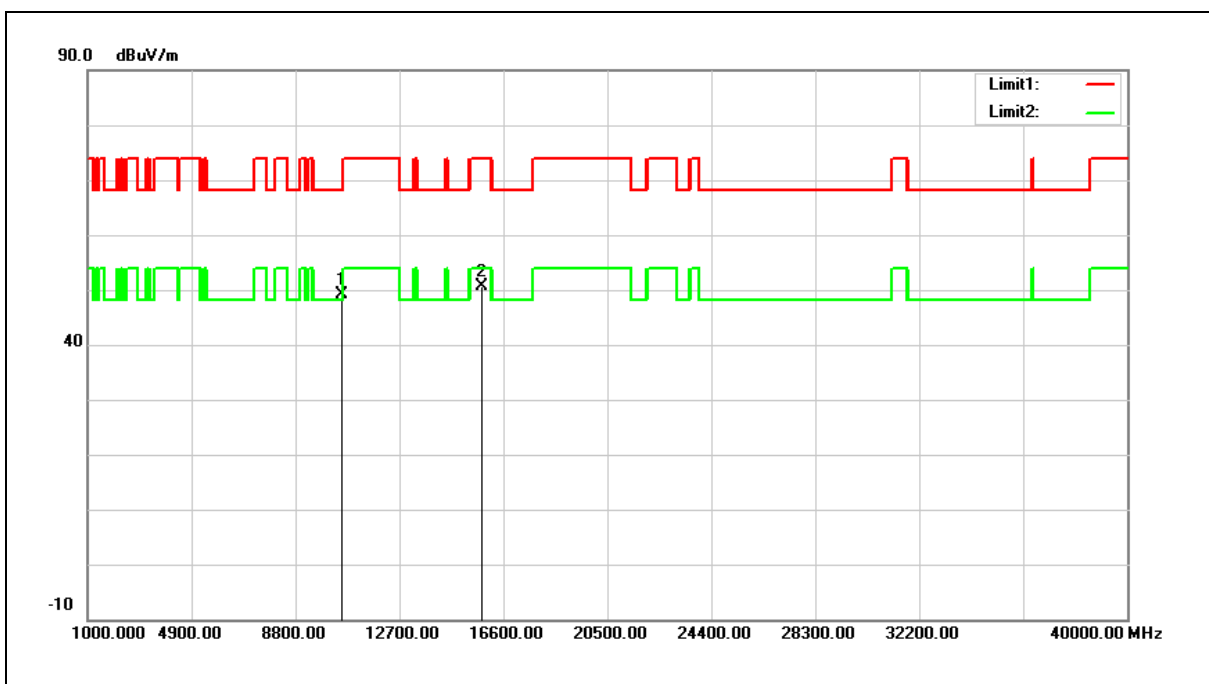
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	36.39	13.81	50.20	68.20	-18.00	peak
2	15780.000	36.31	15.11	51.42	74.00	-22.58	peak

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5260 MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



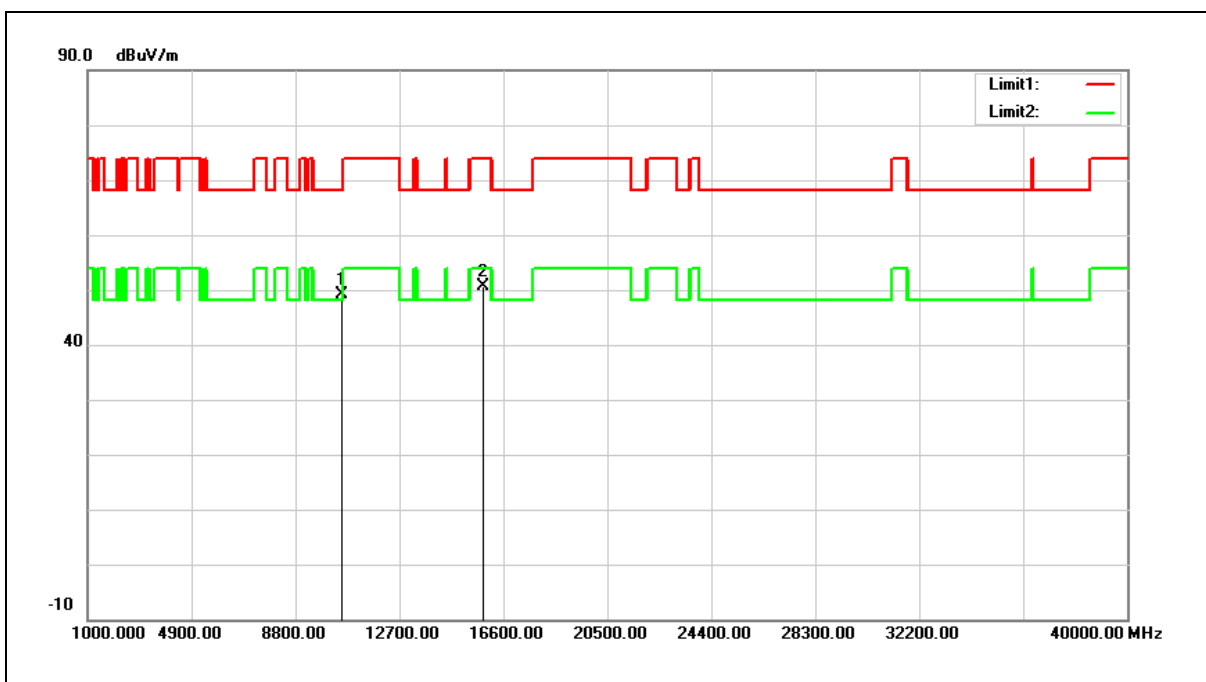
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	35.40	13.81	49.21	68.20	-18.99	peak
2	15780.000	35.57	15.11	50.68	74.00	-23.32	peak

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5280 MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



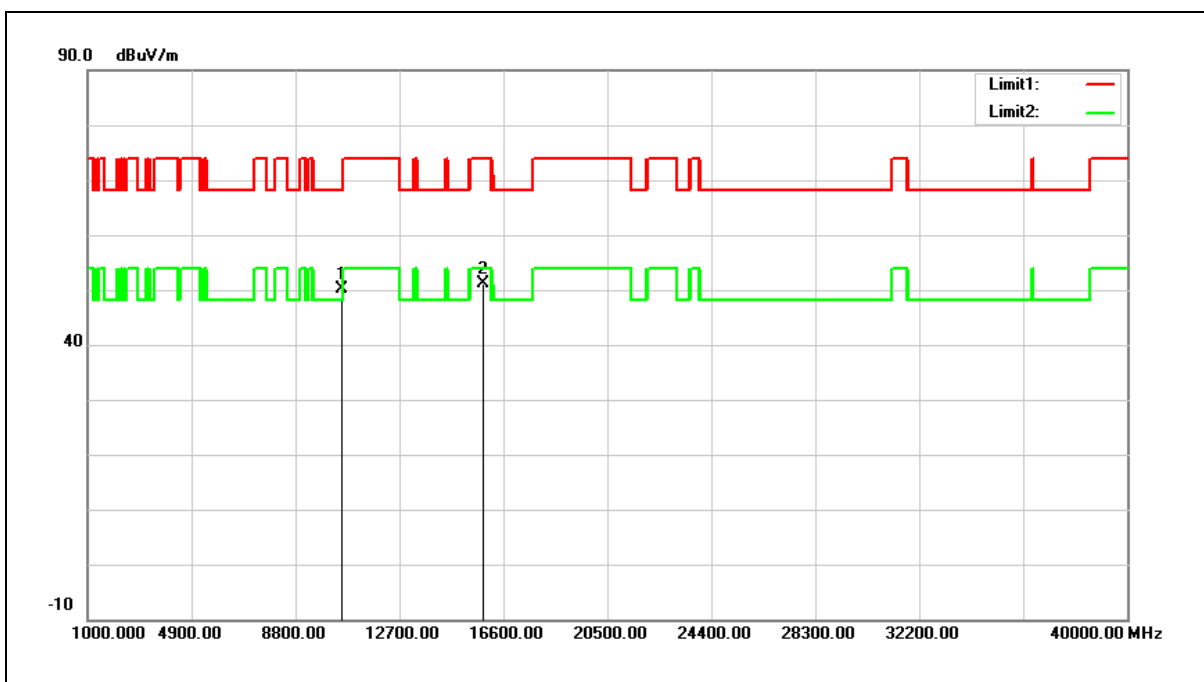
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	35.13	13.88	49.01	68.20	-19.19	peak
2	15840.000	35.68	14.93	50.61	74.00	-23.39	peak

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5280 MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



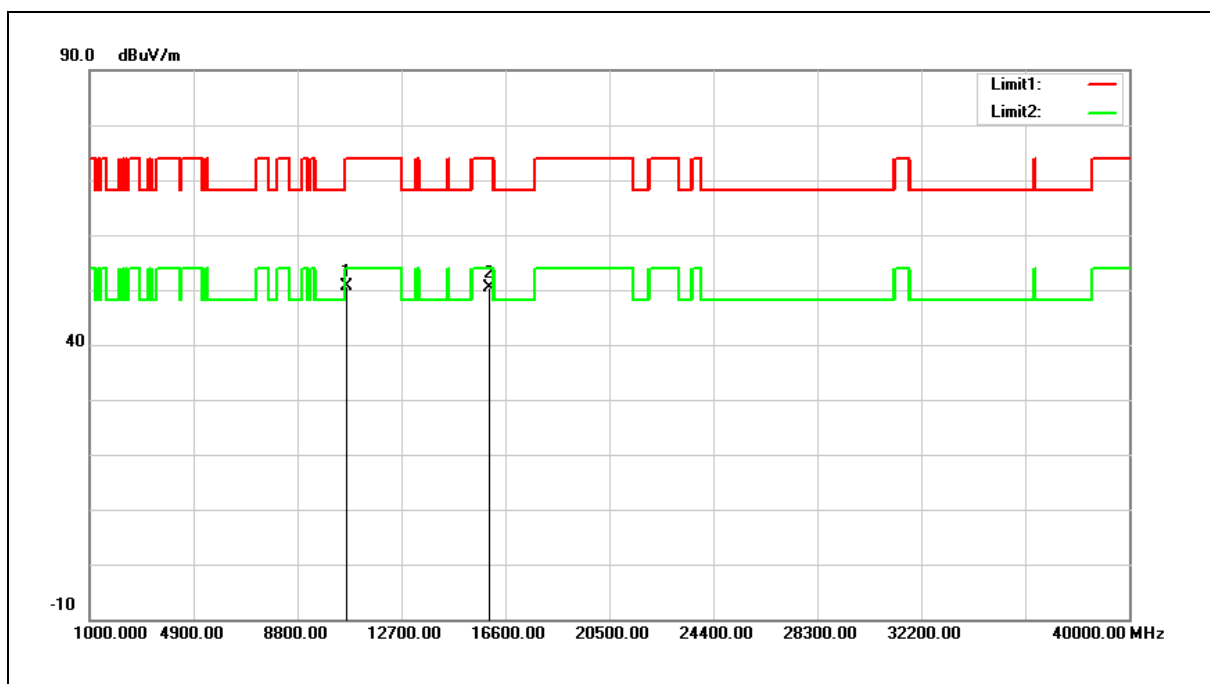
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	36.30	13.88	50.18	68.20	-18.02	peak
2	15840.000	36.10	14.93	51.03	74.00	-22.97	peak

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:	3m
Test item:	Harmonic		
Frequency:	5320 MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



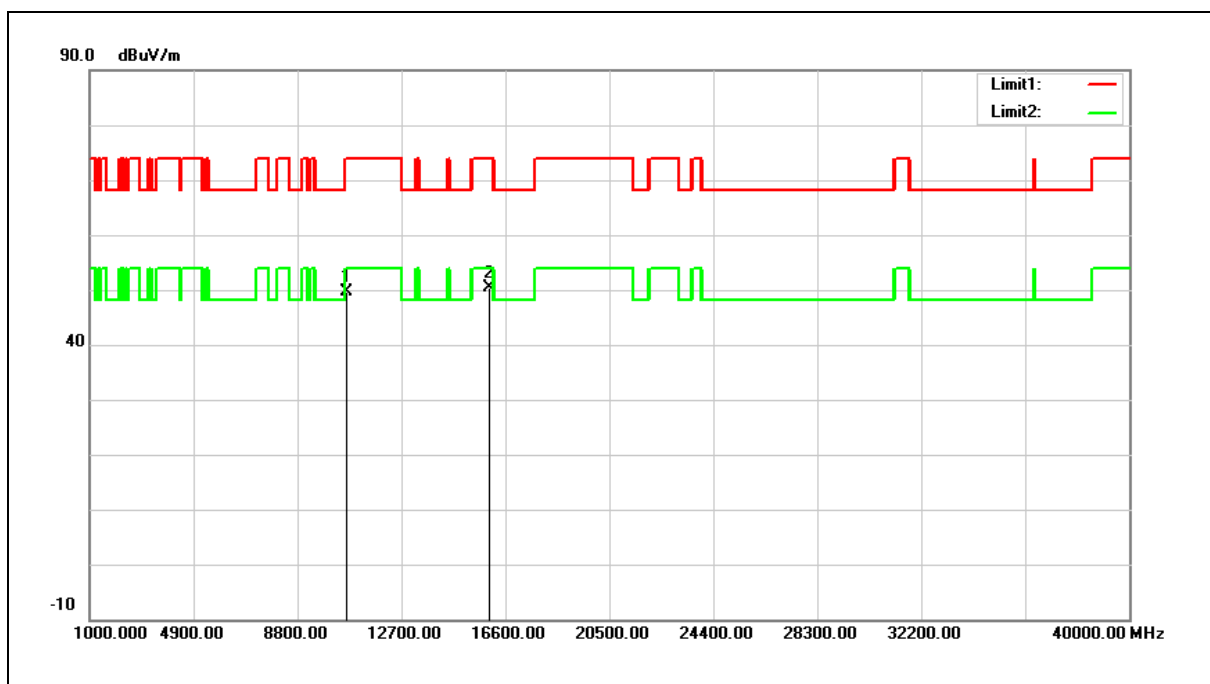
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	36.66	14.01	50.67	74.00	-23.33	peak
2	15960.000	35.74	14.58	50.32	74.00	-23.68	peak

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:	3m
Test item:	Harmonic		
Frequency:	5320 MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



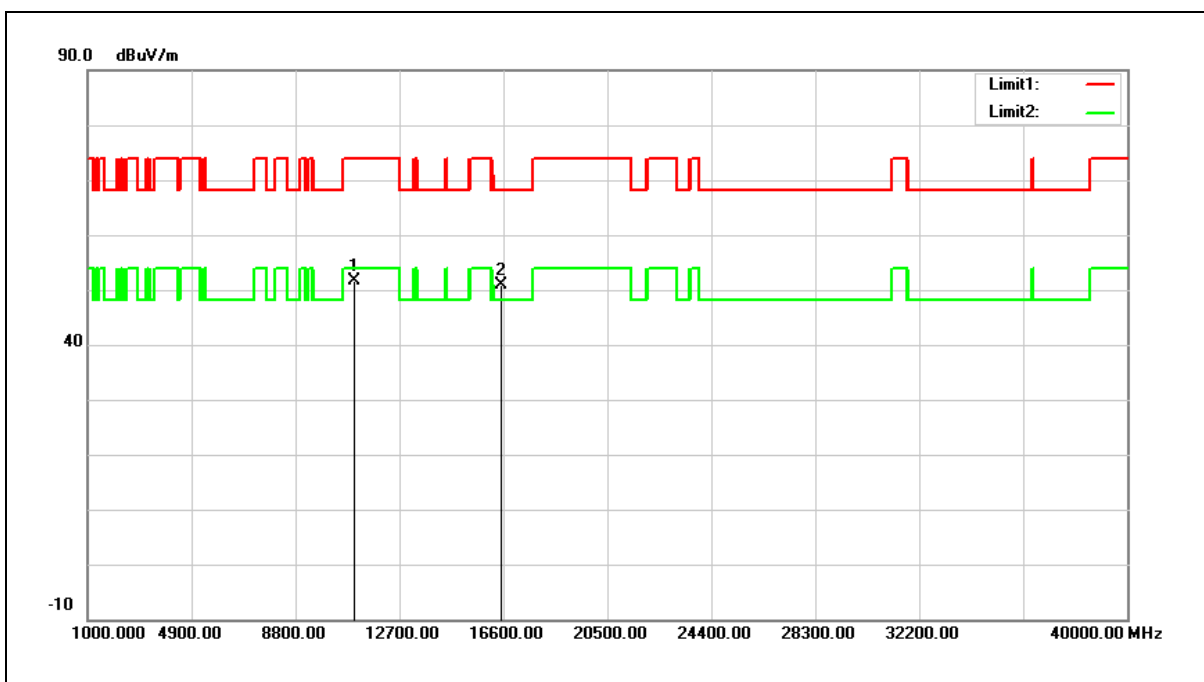
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	35.54	14.01	49.55	74.00	-24.45	peak
2	15960.000	35.90	14.58	50.48	74.00	-23.52	peak

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5500 MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



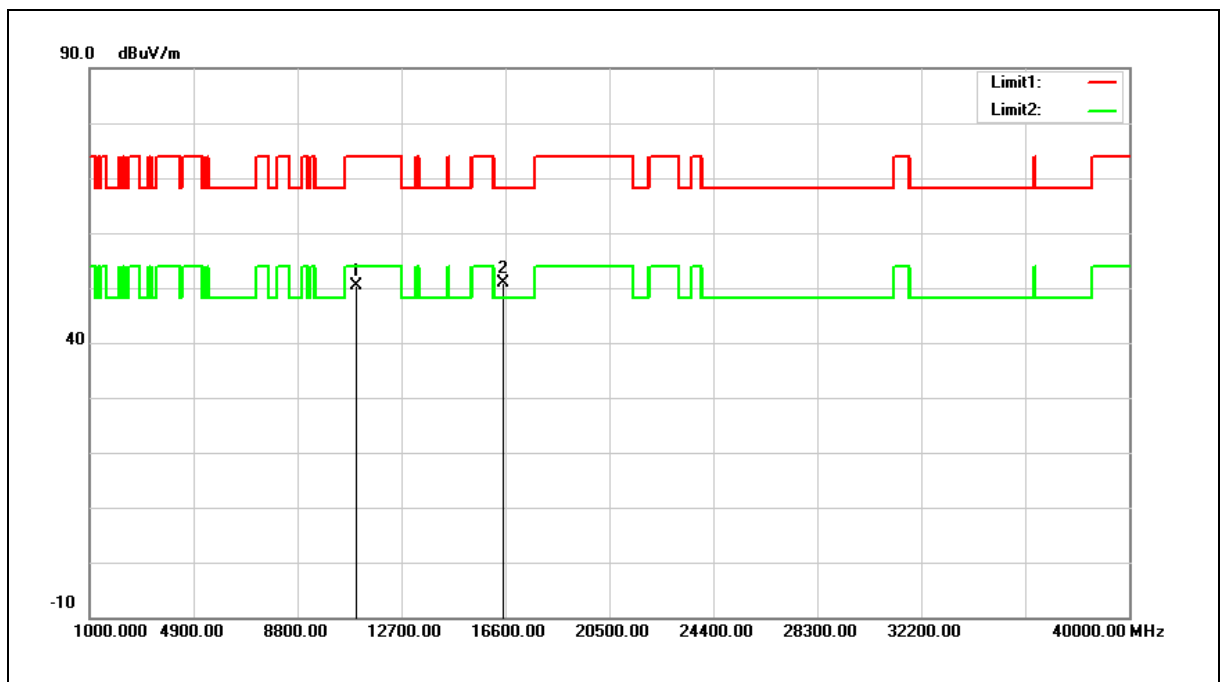
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	37.03	14.64	51.67	74.00	-22.33	peak
2	16500.000	35.29	15.51	50.80	68.20	-17.40	peak

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:	3m
Test item:	Harmonic		
Frequency:	5500 MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



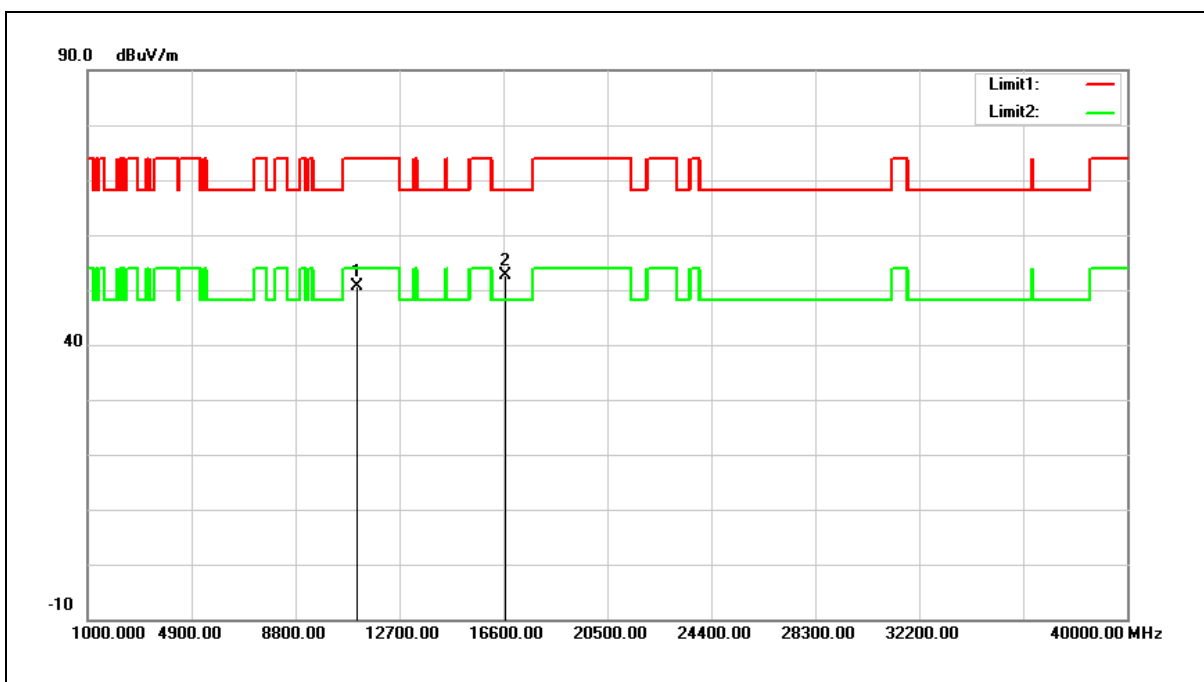
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	35.62	14.64	50.26	74.00	-23.74	peak
2	16500.000	35.48	15.51	50.99	68.20	-17.21	peak

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5560 MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



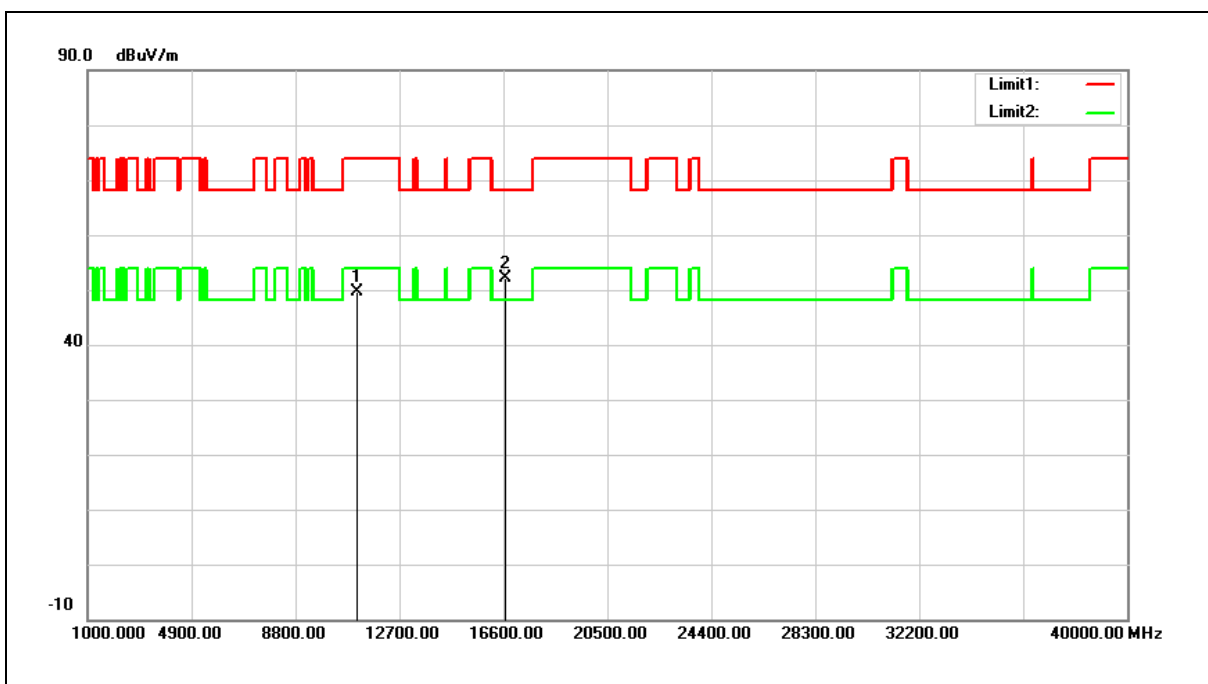
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	35.82	14.69	50.51	74.00	-23.49	peak
2	16680.000	36.02	16.61	52.63	68.20	-15.57	peak

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:	3m
Test item:	Harmonic		
Frequency:	5560 MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



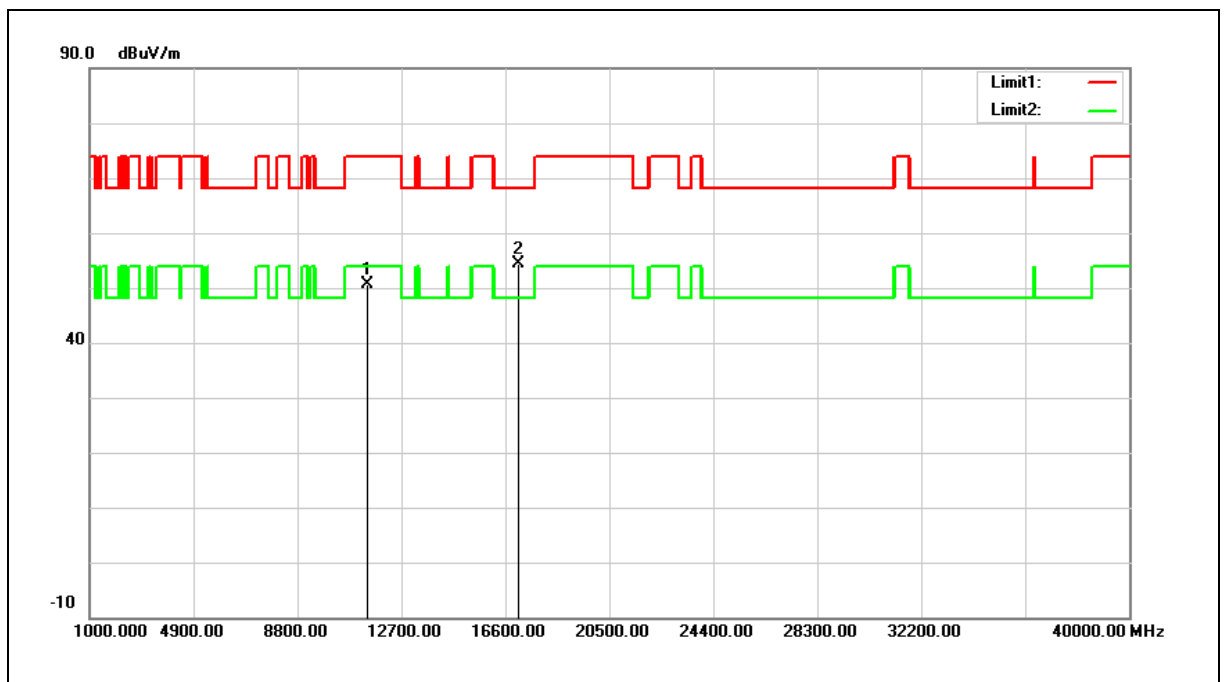
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	34.95	14.69	49.64	74.00	-24.36	peak
2	16680.000	35.46	16.61	52.07	68.20	-16.13	peak

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5700 MHz		
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



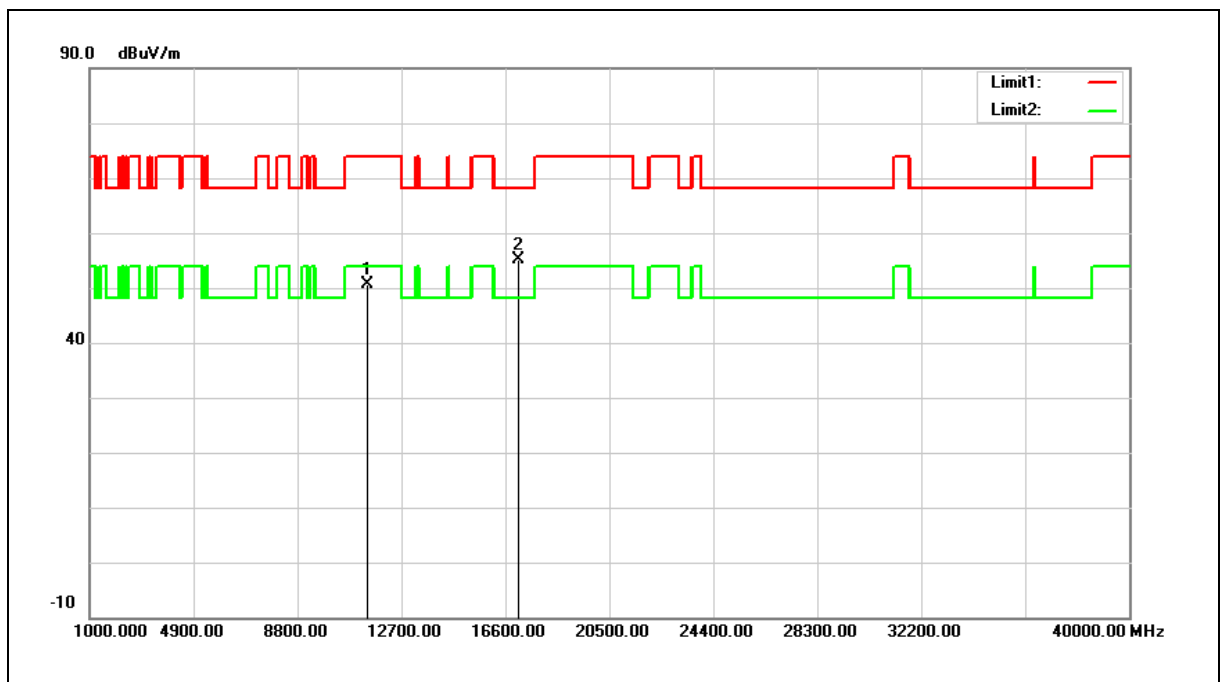
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	35.76	14.80	50.56	74.00	-23.44	peak
2	17100.000	35.19	19.11	54.30	68.20	-13.90	peak

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

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

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

Standard:	LP0002	Test Distance:	3m
Test item:	Harmonic		
Frequency:	5700 MHz		
Mode:	Mode 6		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	35.74	14.80	50.54	74.00	-23.46	peak
2	17100.000	35.97	19.11	55.08	68.20	-13.12	peak

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

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

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