



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 2005DR26

版本(Rev.) 02

產品名稱 手持式行動電話機(LTE/WCDMA FDD 900/2100;
GSM/Bluetooth/WLAN/NFC/WPC)

申請廠商 訊嵐技術有限公司

商標或廠牌 HUAWEI

型式(號) ELS-NX9

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

報告發行日期 109 年 08 月 03 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

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報告修訂紀錄

版本 (Rev.)	發行日期	修訂內容	修訂者
00	109 年 05 月 14 日	初版發行	鄭安蓁
01	109 年 06 月 22 日	第 5 & 6 & 7 頁更新 1.1 待測設備一般敘述。 第 72 & 73 & 329 & 330 頁 4.3.2 更新場強輻射之量測。 第 519 & 520 & 523 & 524 & 529 & 530 頁更新 4.3.2 最大傳導輸出功率之量測。 第 670 頁更新 4.3.12 電波暴露量之評估。	王裕霜
02	109 年 08 月 03 日	第 3 頁更新製造廠商。 第 516~524 頁更新 4.3.2 最大傳導輸出功率之量測。 第 661 頁更新 4.3.9 頻道移動時間之量測。 第 664 頁更新 4.3.12 電波暴露量之評估。	鄭安蓁

低功率射頻電機測試證明書

產品名稱：手持式行動電話機(LTE/WCDMA FDD 900/2100;
GSM/Bluetooth/WLAN/NFC/WPC)

商標：HUAWEI

型號：ELS-NX9

申請廠商：訊歲技術有限公司

申請者地址：臺北市內湖區洲子街55、57號3樓

製造廠商：Huawei Technologies Co., Ltd.

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

待測物電壓：DC 5 V, 2 A OR DC 9 V, 2 A OR DC 10 V, 4 A

試驗電壓：110 Vac, 60 Hz

量測規範：低功率射頻電機技術規範(LP0002) 107年1月10日

試驗實驗室：晶復科技股份有限公司(桃園市八德區長安街140-1號)

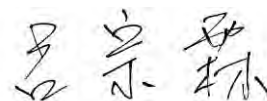
試驗受理日期：109 年 02 月 10 日

試驗日期：109 年 02 月 20 日 ~ 109 年 03 月 12 日

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

特此證明！

審核者：



(呂 宗 霖)

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1. 一般敘述

1.1 待測設備一般敘述

本敘述僅針對產品簡單說明之，其他詳細之規格請參考使用說明書。

產 品 名 稱	手持式行動電話機(LTE/WCDMA FDD 900/2100; GSM/Bluetooth/WLAN/NFC/WPC)	
商 標 或 廠 牌	HUAWEI	
型 號	ELS-NX9	
I M E I N o .	IMEI1: 861968040081510, IMEI2: 861968040081511	
額 定 電 源	DC 5 V, 2 A OR DC 9 V, 2 A OR DC 10 V, 4 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 802.11ax 2.4 GHz 20 MHz / 40 MHz: OFDMA IEEE 802.11a U-NII Band: OFDM IEEE 802.11n 5 GHz 20 MHz / 40 MHz U-NII Band: OFDM IEEE 802.11ac 20 MHz / 40 MHz / 80 MHz / 160 MHz U-NII Band: OFDM IEEE 802.11ax 20 MHz / 40 MHz / 80 / 160 MHz U-NII Band: OFDMA *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 IEEE 802.11ax 2.4 GHz 20 MHz	2412 – 2462
	IEEE 802.11n 2.4 GHz 40 MHz IEEE 802.11ax 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 IEEE 802.11ax 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 IEEE 802.11ax 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 IEEE 802.11ax 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 IEEE 802.11ax 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 IEEE 802.11ax 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 IEEE 802.11ax 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 IEEE 802.11ax 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 IEEE 802.11ax 40 MHz U-NII Band III	5755 – 5795

頻 率 使 用 範 圍	Mode				Frequency Range (MHz)	
	IEEE 802.11ac 80 MHz U-NII Band I IEEE 802.11ax 80 MHz U-NII Band I				5210	
	IEEE 802.11ac 80 MHz U-NII Band II-A IEEE 802.11ax 80 MHz U-NII Band II-A				5290	
	IEEE 802.11ac 80 MHz U-NII Band II-C IEEE 802.11ax 80 MHz U-NII Band II-C				5530 – 5610	
	IEEE 802.11ac 80 MHz U-NII Band III IEEE 802.11ax 80 MHz U-NII Band III				5775	
	IEEE 802.11ac 160 MHz U-NII Band I & Band II-A IEEE 802.11ax 160 MHz U-NII Band I & Band II-A				5250	
	IEEE 802.11ac 160 MHz U-NII Band II-C IEEE 802.11ax 160 MHz U-NII Band II-C				5570	
天 線 資 訊	Antenna	廠 牌	型 號	型 態	增益值(dBi)	
					2.4 GHz	5 GHz
	ANT-0	比亞迪	96662429	IFA Antenna	0.40	-0.80
	ANT-1	比亞迪	96662429	IFA Antenna	-2.20	-1.30
	G _{ANT}				-0.71	-1.04
	Directional Gain				2.21	1.96
R F 最 大 輸 出 功 率	Mode			Power		
	IEEE 802.11b			20.24 dBm	0.106 W	
	IEEE 802.11g			24.79 dBm	0.301 W	
	IEEE 802.11n 2.4 GHz 20 MHz			24.43 dBm	0.278 W	
	IEEE 802.11n 2.4 GHz 40 MHz			24.33 dBm	0.271 W	
	IEEE 802.11ax 2.4 GHz 20 MHz			23.31 dBm	0.214 W	
	IEEE 802.11ax 2.4 GHz 40 MHz			21.57 dBm	0.144 W	
	IEEE 802.11a U-NII Band I			18.51 dBm	0.071 W	
	IEEE 802.11a U-NII Band II-A			18.39 dBm	0.069 W	
	IEEE 802.11a U-NII Band II-C			18.39 dBm	0.069 W	
	IEEE 802.11a U-NII Band III			18.23 dBm	0.067 W	
	IEEE 802.11n 5 GHz 20 MHz U-NII Band I			18.46 dBm	0.070 W	
	IEEE 802.11n 5 GHz 20 MHz U-NII Band II-A			18.28 dBm	0.067 W	
	IEEE 802.11n 5 GHz 20 MHz U-NII Band II-C			18.31 dBm	0.068 W	
	IEEE 802.11n 5 GHz 20 MHz U-NII Band III			18.11 dBm	0.065 W	
	IEEE 802.11n 5 GHz 40 MHz U-NII Band I			17.72 dBm	0.059 W	
	IEEE 802.11n 5 GHz 40 MHz U-NII Band II-A			17.69 dBm	0.059 W	
	IEEE 802.11n 5 GHz 40 MHz U-NII Band II-C			17.94 dBm	0.062 W	
	IEEE 802.11n 5 GHz 40 MHz U-NII Band III			17.49 dBm	0.056 W	

RF 最大輸出功率	Mode	Power	
	IEEE 802.11ac 20 MHz U-NII Band I	18.50 dBm	0.071 W
	IEEE 802.11ac 20 MHz U-NII Band II-A	18.38 dBm	0.069 W
	IEEE 802.11ac 20 MHz U-NII Band II-C	18.38 dBm	0.069 W
	IEEE 802.11ac 20 MHz U-NII Band III	18.23 dBm	0.066 W
	IEEE 802.11ac 40 MHz U-NII Band I	17.81 dBm	0.060 W
	IEEE 802.11ac 40 MHz U-NII Band II-A	17.79 dBm	0.060 W
	IEEE 802.11ac 40 MHz U-NII Band II-C	18.02 dBm	0.063 W
	IEEE 802.11ac 40 MHz U-NII Band III	17.56 dBm	0.057 W
	IEEE 802.11ac 80 MHz U-NII Band I	10.24 dBm	0.011 W
	IEEE 802.11ac 80 MHz U-NII Band II-A	10.22 dBm	0.011 W
	IEEE 802.11ac 80 MHz U-NII Band II-C	10.41 dBm	0.011 W
	IEEE 802.11ac 80 MHz U-NII Band III	17.30 dBm	0.054 W
	IEEE 802.11ax 160 MHz U-NII Band I	5.09 dBm	0.003 W
	IEEE 802.11ax 160 MHz U-NII Band II-A	5.09 dBm	0.003 W
	IEEE 802.11ac 160 MHz U-NII Band II-C	8.26 dBm	0.007 W
	IEEE 802.11ax 20 MHz U-NII Band I	18.68 dBm	0.074 W
	IEEE 802.11ax 20 MHz U-NII Band II-A	18.53 dBm	0.071 W
	IEEE 802.11ax 20 MHz U-NII Band II-C	18.34 dBm	0.068 W
	IEEE 802.11ax 20 MHz U-NII Band III	18.36 dBm	0.069 W
	IEEE 802.11ax 40 MHz U-NII Band I	17.92 dBm	0.062 W
	IEEE 802.11ax 40 MHz U-NII Band II-A	17.92 dBm	0.062 W
	IEEE 802.11ax 40 MHz U-NII Band II-C	17.98 dBm	0.063 W
	IEEE 802.11ax 40 MHz U-NII Band III	17.68 dBm	0.059 W
	IEEE 802.11ax 80 MHz U-NII Band I	10.60 dBm	0.011 W
	IEEE 802.11ax 80 MHz U-NII Band II-A	10.65 dBm	0.012 W
	IEEE 802.11ax 80 MHz U-NII Band II-C	10.65 dBm	0.012 W
	IEEE 802.11ax 80 MHz U-NII Band III	17.46 dBm	0.056 W
	IEEE 802.11ax 160 MHz U-NII Band I	5.85 dBm	0.004 W
	IEEE 802.11ax 160 MHz U-NII Band II-A	5.85 dBm	0.004 W
	IEEE 802.11ax 160 MHz U-NII Band II-C	8.93 dBm	0.008 W

輸出/輸入埠說明：

輸 出 / 入 埠		數量	介面內容說明
1	USB Type-C Port	1	連接至電源供應器 / 多媒體終端
2	Card Port	1	連接至 nano-SIM Card / NM Card

待測設備外圍說明：

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

附屬裝置表：

裝置名稱	廠 牌	型 號	備 註
內建固定式電池	HUAWEI	HB536378EEW	3.85 VDC, 4100 mAh
電源供應器	HUAWEI	HW-100400U00	INPUT : 100-240 VAC, 50/60 Hz, 1.2 A OUTPUT : 5 VDC, 2 A OR 9 VDC, 2 A OR 10 VDC, 4 A
USB Cable(1)	HUAWEI	L99UC117-CS-H	STD-A → Type-C Shielded, 1.0 m 製造商：立訊精密工業股份有限公司
USB Cable(2)	HUAWEI	330-50465	STD-A → Type-C Shielded, 1.0 m 製造商：惠州市德泓科技有限公司
耳機	HUAWEI	22040296	Non-Shielded, 1.1 m

1.2 其他相關聲明

本測試報告屬(以下選擇一種打■)

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

2. 量測儀器及測試配置說明

2.1 量測設備

For Conducted

Test Period: Feb. 24 ~ Mar. 12, 2020

測試者: 仇冠中, 徐基哲

名 稱	廠 牌	型 號	序 號	本次校驗日期	校驗年限
Power Sensor	Agilent	N1921A	MY45241957	12/11/2019	1 year
Power Meter	Agilent	N1911A	MY45101619	12/11/2019	1 year
Spectrum Analyzer (20 Hz~26.5 GHz)	Agilent	N9020A	US47520902	09/18/2019	1 year

For Conducted Emission

Test Period: Mar. 02, 2020

測試者: 申世傑

名 稱	廠 牌	型 號	序 號	本次校驗日期	校驗年限
測試接收機 (9 kHz~3 GHz)	R&S	ESCI	100367	05/23/2019	1 year
線性阻抗模擬網路	R&S	ENV216	101040	04/03/2019	1 year
線性阻抗模擬網路	R&S	ENV216	101041	03/28/2019	1 year

For Radiated Emissions

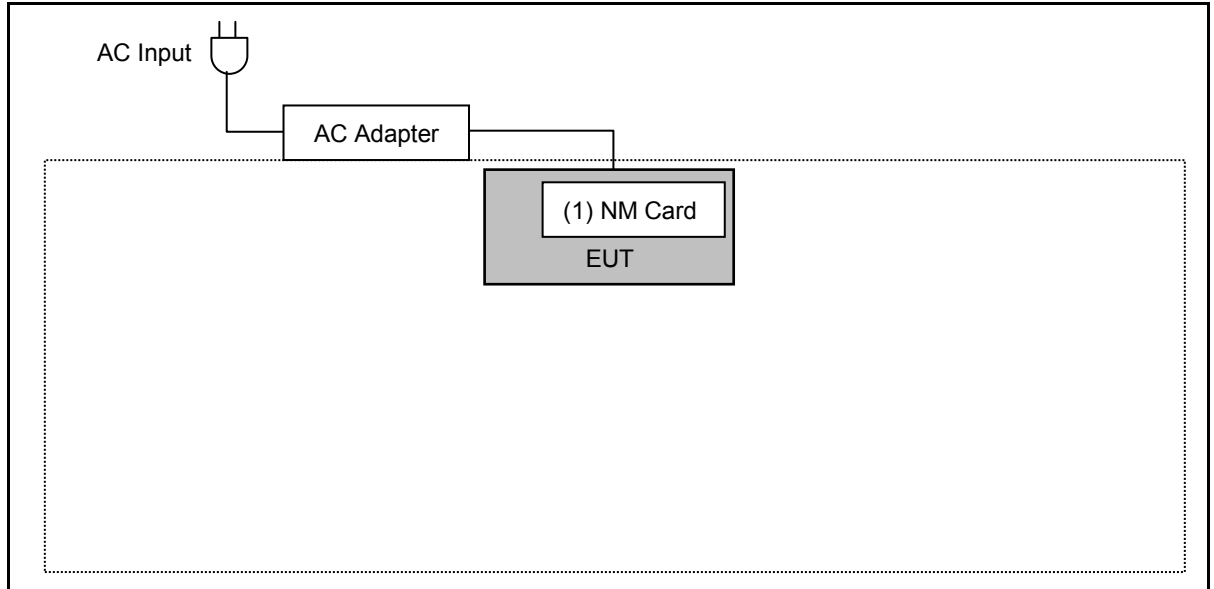
Test Period: Feb. 20 ~ Feb. 26, 2020

測試者: 劉彥聖, 廖經雄, 葉佳原

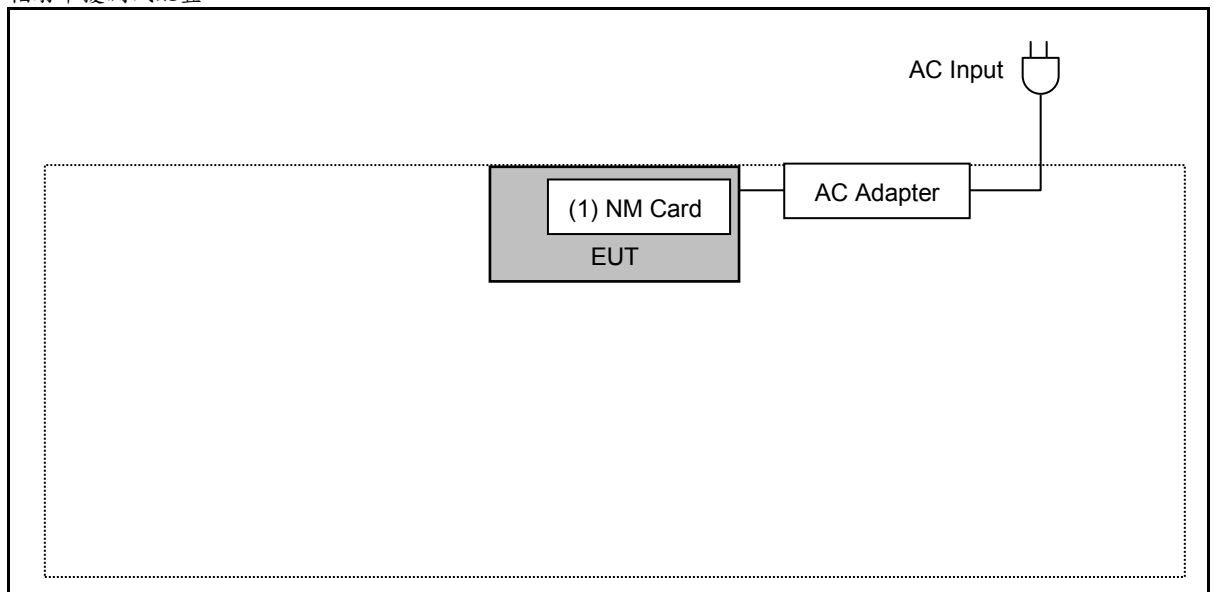
名 稱	廠 牌	型 號	序 號	本次校驗日期	校驗年限
EXA Signal Analyzer	Keysight	N9010A	MY52221312	01/13/2020	1 year
Amplifier	Agilent	8449B	3008A02237	10/18/2019	1 year
Amplifier	Agilent	8447D	2944A11119	01/15/2020	1 year
Preamplifier	EMCI	EMC2654045	980028	08/23/2019	1 year
天線	SCHWARZBECK MESS-ELEKTRONIK	VULB 9168	416	10/23/2019	1 year
天線(1~18 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	08/22/2019	1 year
天線(18~40 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	08/14/2019	1 year

2.2 檢驗系統示意圖

電源傳導干擾測試配置



輻射干擾測試配置



2.3 輔助測試之週邊設備描述

下列輔助設備或配件為測試中所使用，以形成一個代表性的受測系統。

週邊名稱	商標	型號	序號	電源線	備註
(1)	NM Card	HUAWEI	N/A	---	容量：128 GB (實驗室提供)

2.4 測試軟體版本

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

2.5 測試模式

使用定頻模式量測

Pre-Test Mode
Mode 1: Transmit Mode
Mode 2: IEEE 802.11b Continuous TX Mode
Mode 3: IEEE 802.11g Continuous TX Mode
Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode
Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode
Mode 6: IEEE 802.11ax 2.4 GHz 20 MHz Continuous TX Mode
Mode 7: IEEE 802.11ax 2.4 GHz 40 MHz Continuous TX Mode
Mode 8: IEEE 802.11a Continuous TX Mode
Mode 9: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode
Mode 10: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode
Mode 11: IEEE 802.11ac 20 MHz Continuous TX Mode
Mode 12: IEEE 802.11ac 40 MHz Continuous TX Mode
Mode 13: IEEE 802.11ac 80 MHz Continuous TX Mode
Mode 14: IEEE 802.11ac 160 MHz Continuous TX Mode
Mode 15: IEEE 802.11ax 20 MHz Continuous TX Mode
Mode 16: IEEE 802.11ax 40 MHz Continuous TX Mode
Mode 17: IEEE 802.11ax 80 MHz Continuous TX Mode
Mode 18: IEEE 802.11ax 160 MHz Continuous TX Mode
Mode 19: Receiver Mode

Final-Test Mode
Mode 1: Transmit Mode
Mode 2: IEEE 802.11b Continuous TX Mode
Mode 3: IEEE 802.11g Continuous TX Mode
Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode
Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode
Mode 6: IEEE 802.11ax 2.4 GHz 20 MHz Continuous TX Mode
Mode 7: IEEE 802.11ax 2.4 GHz 40 MHz Continuous TX Mode
Mode 8: IEEE 802.11a Continuous TX Mode
Mode 11: IEEE 802.11ac 20 MHz Continuous TX Mode
Mode 12: IEEE 802.11ac 40 MHz Continuous TX Mode
Mode 13: IEEE 802.11ac 80 MHz Continuous TX Mode
Mode 14: IEEE 802.11ac 160 MHz Continuous TX Mode
Mode 15: IEEE 802.11ax 20 MHz Continuous TX Mode
Mode 16: IEEE 802.11ax 40 MHz Continuous TX Mode
Mode 17: IEEE 802.11ax 80 MHz Continuous TX Mode
Mode 18: IEEE 802.11ax 160 MHz Continuous TX Mode
Mode 19: Receiver Mode

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

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

Note 3: Mode 6 / Mode 7 / Mode 15 / Mode 16 / Mode 17 / Mode 18 量測結果僅呈現 Full RU。

Note 4: 經驗證電源傳導 USB Cable(1)為最 worst。

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
Mode 12	V	V	V
Mode 13	V	V	V
Mode 14	V	V	V
Mode 15	V	V	V
Mode 16	V	V	V
Mode 17	V	V	V
Mode 18	V	V	V

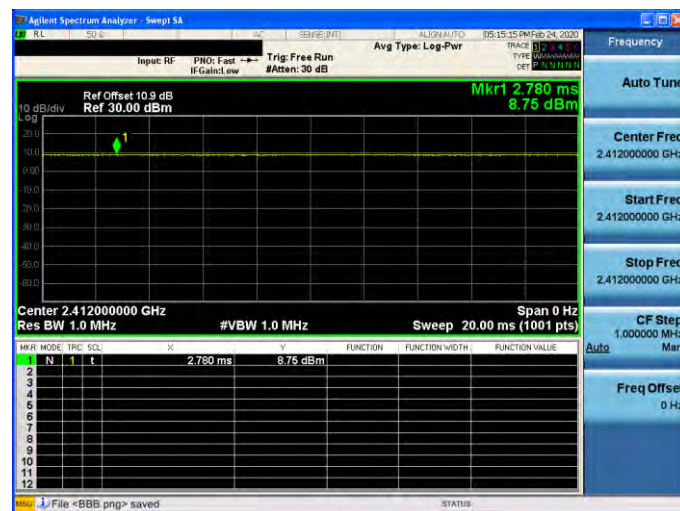
Test Mode	Antenna Delivery	Data Rate (Mbps)	Test Channel
Mode 2	2TX / 2RX (Diversity)	1	1, 6, 11
Mode 3	2TX / 2RX (CDD)	6	1, 6, 11
Mode 4	2TX / 2RX (MIMO)	13	1, 6, 11
Mode 5	2TX / 2RX (MIMO)	27	3, 6, 9
Mode 6	2TX / 2RX (MIMO)	MCS0	1, 6, 11
Mode 7	2TX / 2RX (MIMO)	MCS0	3, 6, 9
Mode 8	2TX / 2RX (CDD)	6	36, 40, 48, 52, 56, 64, 100, 112, 140, 149, 157, 165
Mode 9	2TX / 2RX (MIMO)	13	36, 40, 48, 52, 56, 64, 100, 112, 140, 149, 157, 165
Mode 10	2TX / 2RX (MIMO)	27	38, 46, 54, 62, 102, 110, 134, 151, 159
Mode 11	2TX / 2RX (MIMO)	13	36, 40, 48, 52, 56, 64, 100, 112, 140, 149, 157, 165
Mode 12	2TX / 2RX (MIMO)	27	38, 46, 54, 62, 102, 110, 134, 151, 159
Mode 13	2TX / 2RX (MIMO)	58.6	42, 58, 106, 122, 155
Mode 14	2TX / 2RX (MIMO)	117	50, 114
Mode 15	2TX / 2RX (MIMO)	MCS0	36, 40, 48, 52, 56, 64, 100, 112, 140, 149, 157, 165
Mode 16	2TX / 2RX (MIMO)	MCS0	38, 46, 54, 62, 102, 110, 134, 151, 159
Mode 17	2TX / 2RX (MIMO)	MCS0	42, 58, 106, 155
Mode 18	2TX / 2RX (MIMO)	MCS0	50, 114

Duty cycle

Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimun VBW (kHz)
Mode 2	2412.0	1.000	1.000	1.000	0.000	0.010
Mode 3	2412.0	2.744	2.752	0.997	0.013	0.010
Mode 4	2412.0	2.552	2.560	0.997	0.014	0.010
Mode 5	2422.0	1.255	1.280	0.980	0.086	0.010
Mode 6	2412.0	1.965	1.975	0.995	0.022	0.010
Mode 7	2422.0	1.014	1.041	0.974	0.114	0.986
Mode 8	5180.0	2.742	2.745	0.999	0.005	0.010
Mode 11	5180.0	2.562	2.574	0.995	0.020	0.010
Mode 12	5190.0	1.260	1.276	0.987	0.055	0.010
Mode 13	5210.0	0.606	0.618	0.981	0.085	0.010
Mode 14	5250.0	0.323	0.336	0.961	0.171	3.096
Mode 15	5180.0	1.968	1.974	0.997	0.013	0.010
Mode 16	5190.0	1.014	1.032	0.983	0.076	0.010
Mode 17	5210.0	0.514	0.526	0.977	0.102	1.947
Mode 18	5250.0	0.290	0.303	0.957	0.190	3.448

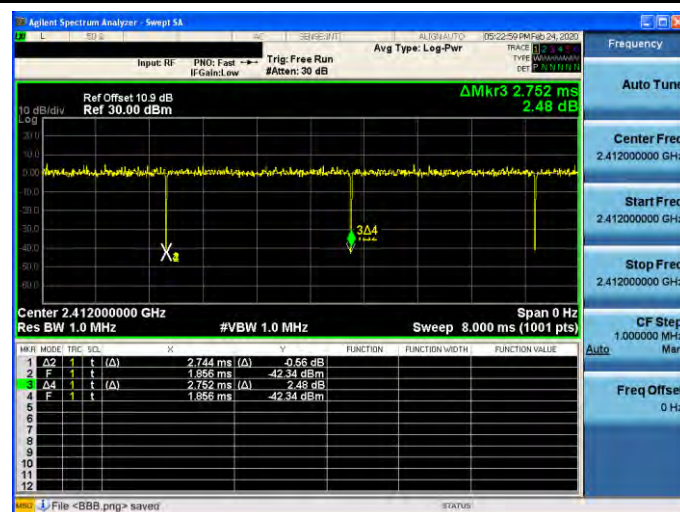
Mode 2: IEEE 802.11b Continuous TX Mode

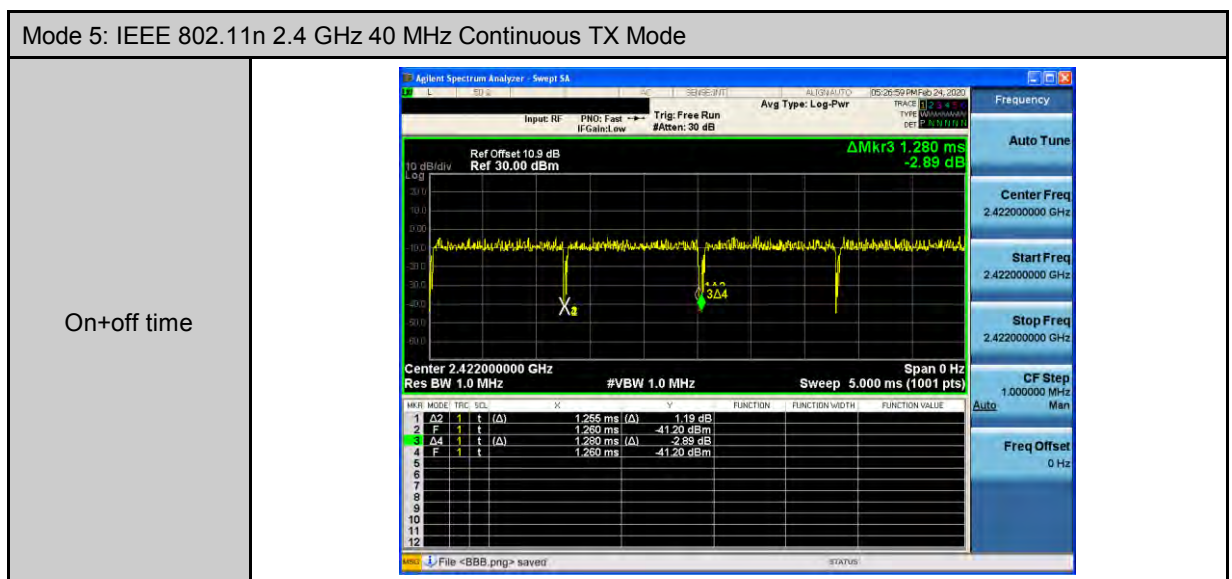
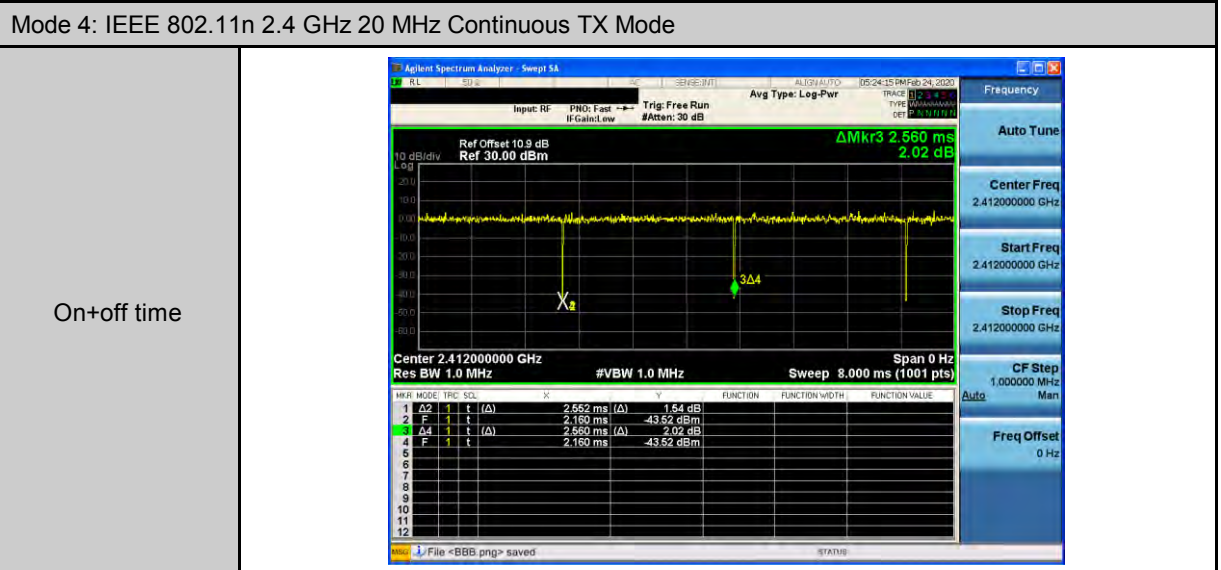
On time



Mode 3: IEEE 802.11g Continuous TX Mode

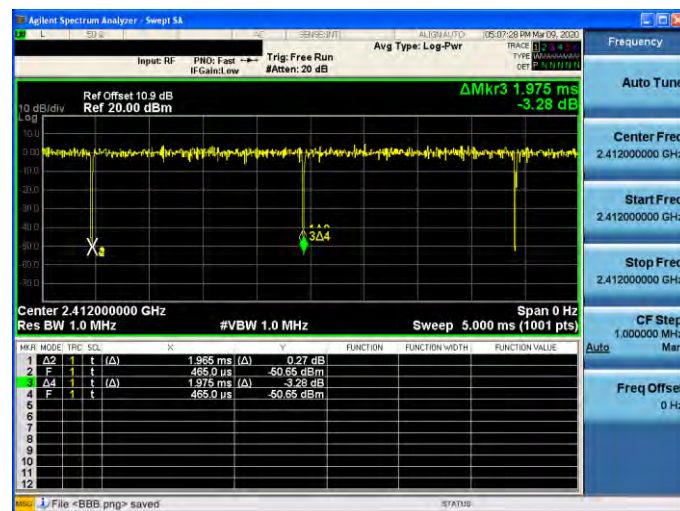
On+off time





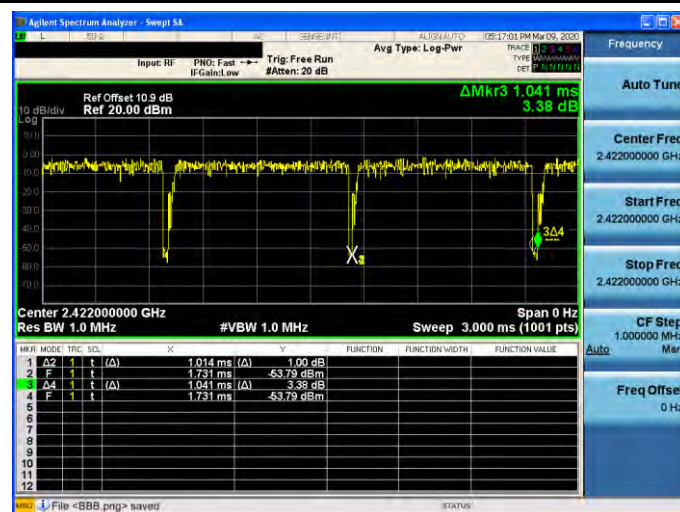
Mode 6: IEEE 802.11ax 2.4 GHz 20 MHz Continuous TX Mode

On+off time



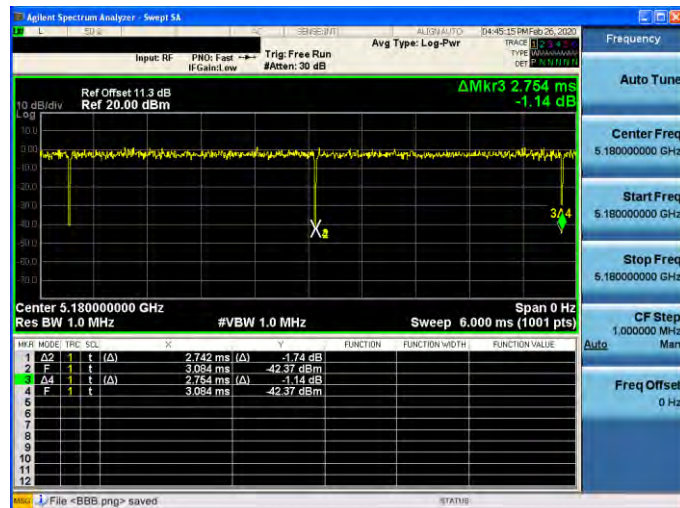
Mode 7: IEEE 802.11ax 2.4 GHz 40 MHz Continuous TX Mode

On+off time



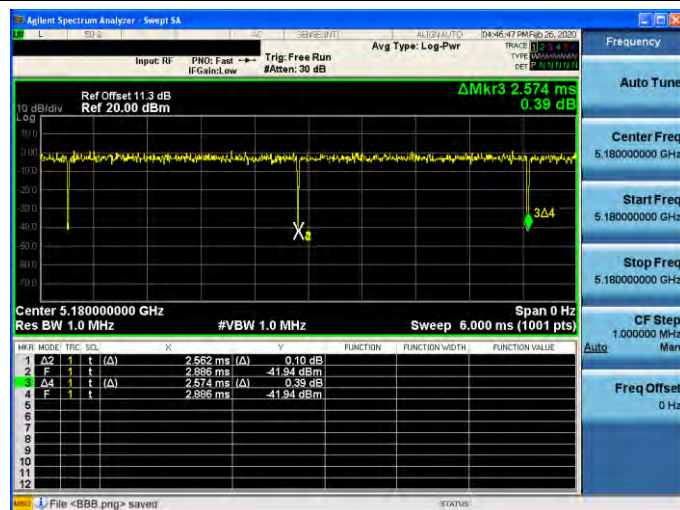
Mode 8: IEEE 802.11a Continuous TX Mode

On+off time



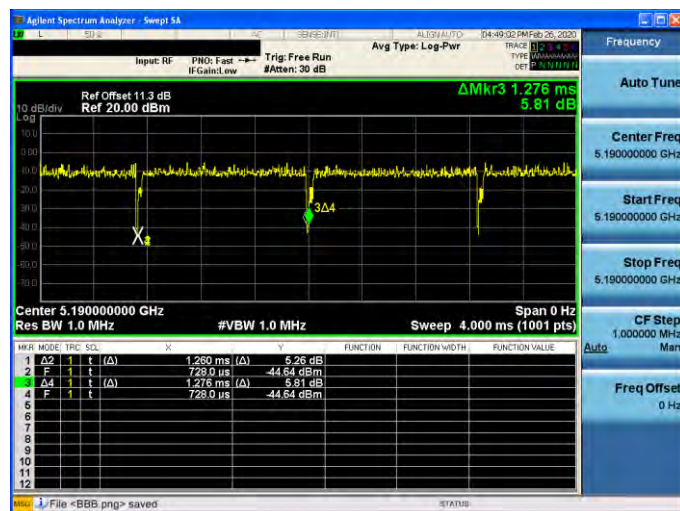
Mode 11: IEEE 802.11ac 20 MHz Continuous TX Mode

On+off time



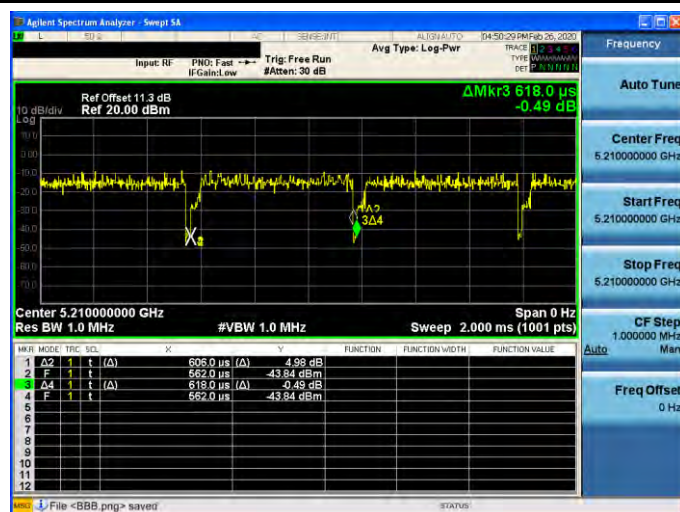
Mode 12: IEEE 802.11ac 40 MHz Continuous TX Mode

On+off time



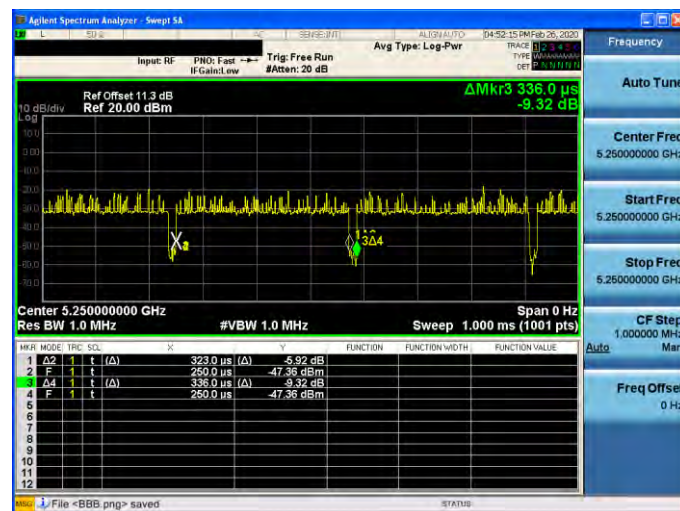
Mode 13: IEEE 802.11ac 80 MHz Continuous TX Mode

On+off time



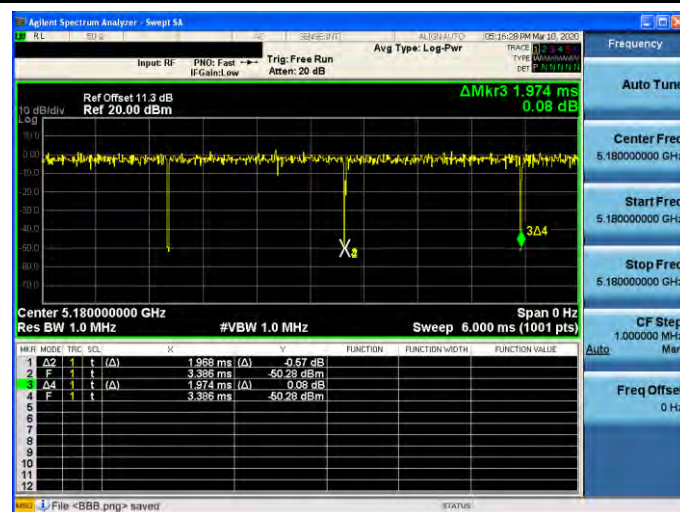
Mode 14: IEEE 802.11ac 160 MHz Continuous TX Mode

On+off time



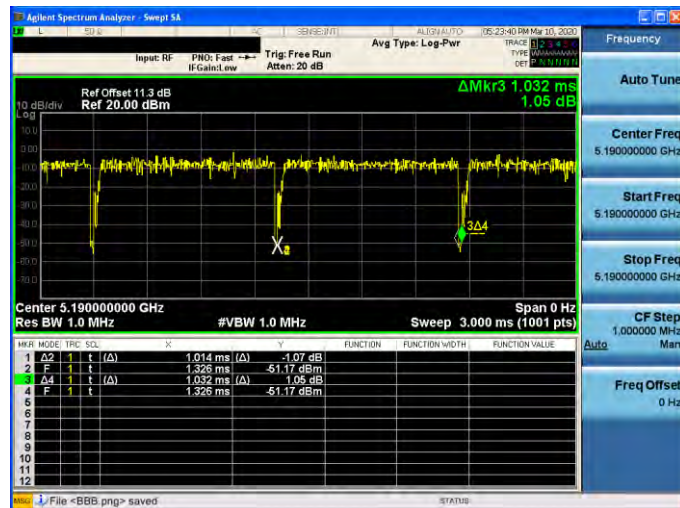
Mode 15: IEEE 802.11ax 20 MHz Continuous TX Mode

On+off time



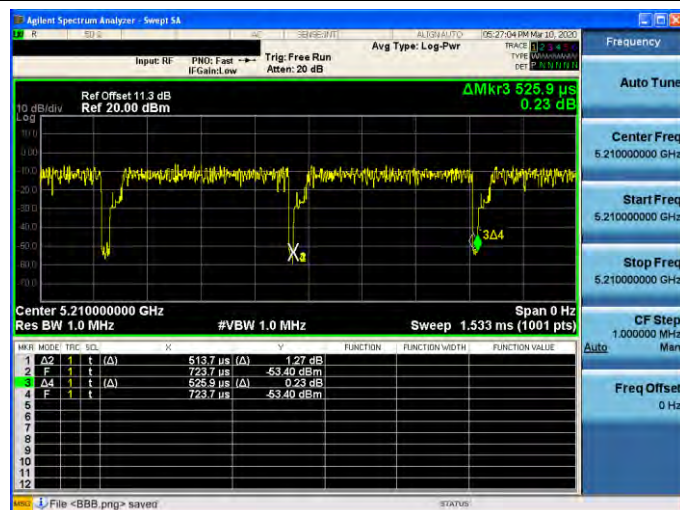
Mode 16: IEEE 802.11ax 40 MHz Continuous TX Mode

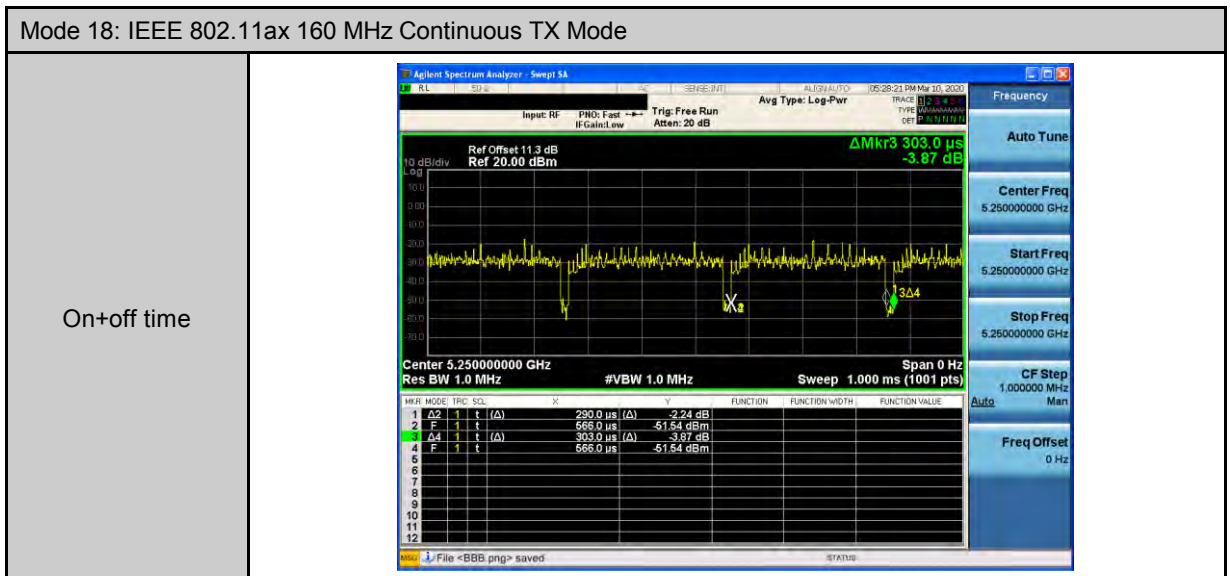
On+off time



Mode 17: IEEE 802.11ax 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	低功率射頻電機技術規範 2.3 節	請參閱 4.1 節	請參閱 2.1 節	符合
2	場強輻射	低功率射頻電機技術規範 2.8 節、2.9 節、3.10.1.5.(1)節	請參閱 4.2.1 節	請參閱 2.1 節	符合
3	頻帶邊緣外之輻射發射	低功率射頻電機技術規範 3.10.1.5.(1)節	請參閱 4.2.1 節	請參閱 2.1 節	符合
4	峰值傳導輸出功率	低功率射頻電機技術規範 3.10.1.2(1)(C)節	請參閱 4.2.2 節	請參閱 2.1 節	符合
5	天線規格	低功率射頻電機技術規範 3.10.1.3(3)、3.10.1.4 節	請參閱 4.2.3 節	-----	符合
6	非必要頻帶	低功率射頻電機技術規範 3.10.1.5(1)節	請參閱 4.2.4 節	請參閱 2.1 節	符合
7	6 dB 頻寬	低功率射頻電機技術規範 3.10.1.6(2)(A)節	請參閱 4.2.5 節	請參閱 2.1 節	符合
8	峰值發射電功率密度	低功率射頻電機技術規範 3.10.1.6(2)(B)節	請參閱 4.2.6 節	請參閱 2.1 節	符合
9	電波暴露量之評估	低功率射頻電機技術規範 5.20.2.1 節、5.20.2.2 節	請參閱 4.3.12 節	請參閱 2.1 節	符合

Decision Rule

☒ Uncertainty is not included.

☐ Uncertainty is included.

5 GHz U-NII 頻段適用下列表格

項次	測試項目	適用規範	測試結果	量測設備	結果判定
1	電源線傳導干擾	低功率射頻電機技術規範 2.3 節	請參閱 4.1 節	請參閱 2.1 節	符合
2	場強輻射	低功率射頻電機技術規範 2.8 節、2.9 節	請參閱 4.3.1 節	請參閱 2.1 節	符合
3	頻帶邊緣外之輻射發射	低功率射頻電機技術規範 2.7、4.7.4 節	請參閱 4.3.1 節	請參閱 2.1 節	符合
4	非必要頻帶	低功率射頻電機技術規範 4.7.4 節	請參閱 4.3.1 節	請參閱 2.1 節	符合
5	最大傳導輸出功率	低功率射頻電機技術規範 4.7.3.1、4.7.3.2、4.7.3.3 節	請參閱 4.3.2 節	請參閱 2.1 節	符合
6	最大傳導功率頻譜密度	低功率射頻電機技術規範 4.7.3.1、4.7.3.2、4.7.3.3 節	請參閱 4.3.3 節	請參閱 2.1 節	符合
7	26 dB 頻寬之要求	N/A	請參閱 4.3.4 節	請參閱 2.1 節	----
8	6 dB 頻寬之要求	低功率射頻電機技術規範 4.7.5 節	請參閱 4.3.5 節	請參閱 2.1 節	符合
9	發射功率控制(TPC)	低功率射頻電機技術規範 4.7.7.1 節	請參閱 4.3.6 節	請參閱 2.1 節	符合
10	動態頻率選擇(DFS) 雷達偵測功能	低功率射頻電機技術規範 4.7.7.2 節	請參閱 4.3.7 節	請參閱 2.1 節	不適用
11	動態頻率選擇(DFS) 頻道可用性檢查時間	低功率射頻電機技術規範 4.7.7.2(3)節	請參閱 4.3.8 節	請參閱 2.1 節	不適用
12	動態頻率選擇(DFS) 頻道移動時間	低功率射頻電機技術規範 4.7.7.2(4)節	請參閱 4.3.9 節	請參閱 2.1 節	符合
13	動態頻率選擇(DFS) 不可佔用時間	低功率射頻電機技術規範 4.7.7.2(5)節	請參閱 4.3.10 節	請參閱 2.1 節	不適用
14	天線規格	低功率射頻電機技術規範 4.7.8 節	請參閱 4.3.11 節	-----	符合
15	電波暴露量之評估	低功率射頻電機技術規範 5.20.2.1 節、5.20.2.2 節	請參閱 4.3.12 節	請參閱 2.1 節	符合

4. 測試項目表列

4.1 電源線傳導干擾之量測

合格標準：

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

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

註：隨頻率之對數遞減。

測試方法：

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

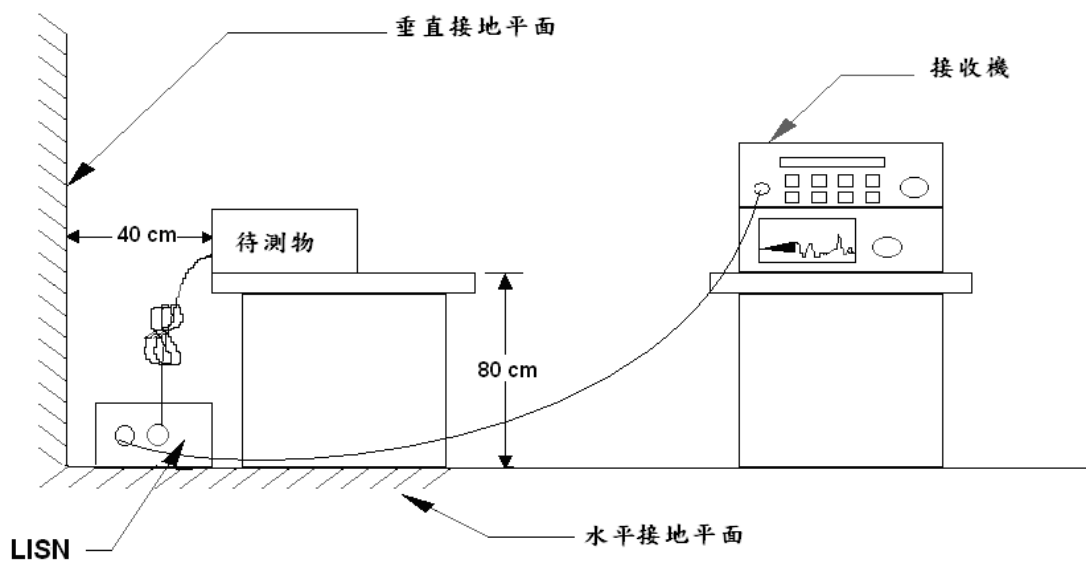
干擾值之計算

電源傳導干擾電壓之計算公式如下

結果值 = 儀器讀值(QP/AV) + 校正因子

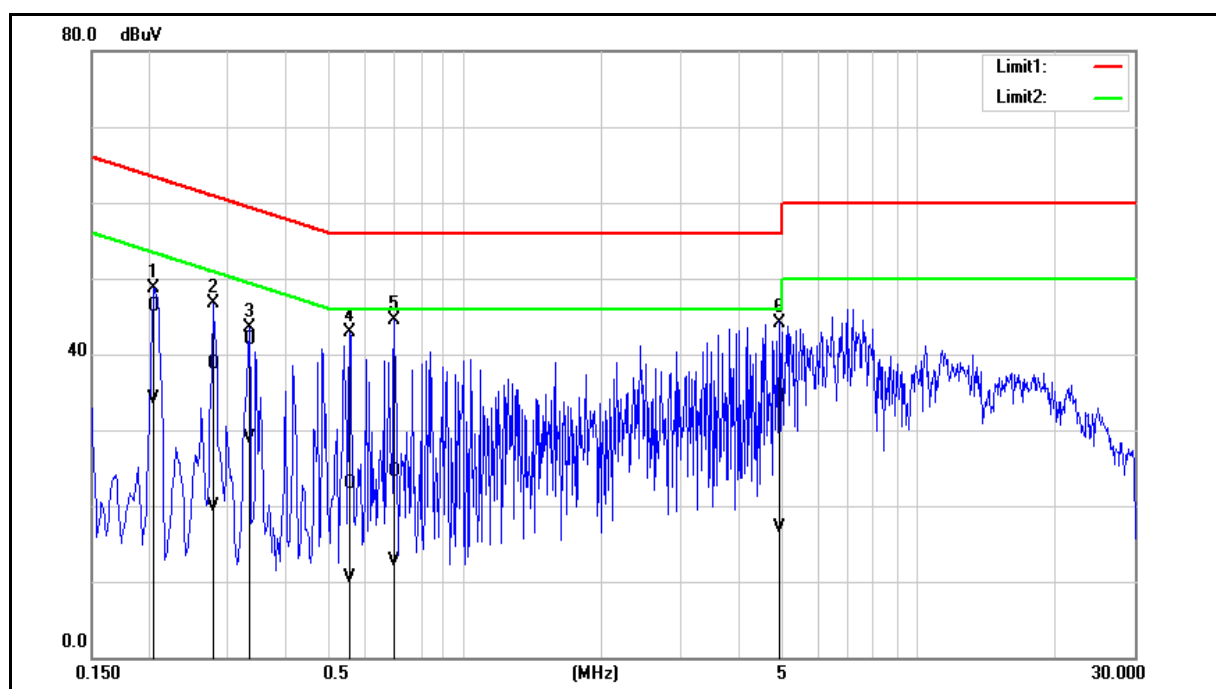
其中校正因子為：饋線損失 + 電源阻抗模擬網路損失

測試架構圖：



測試結果:

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

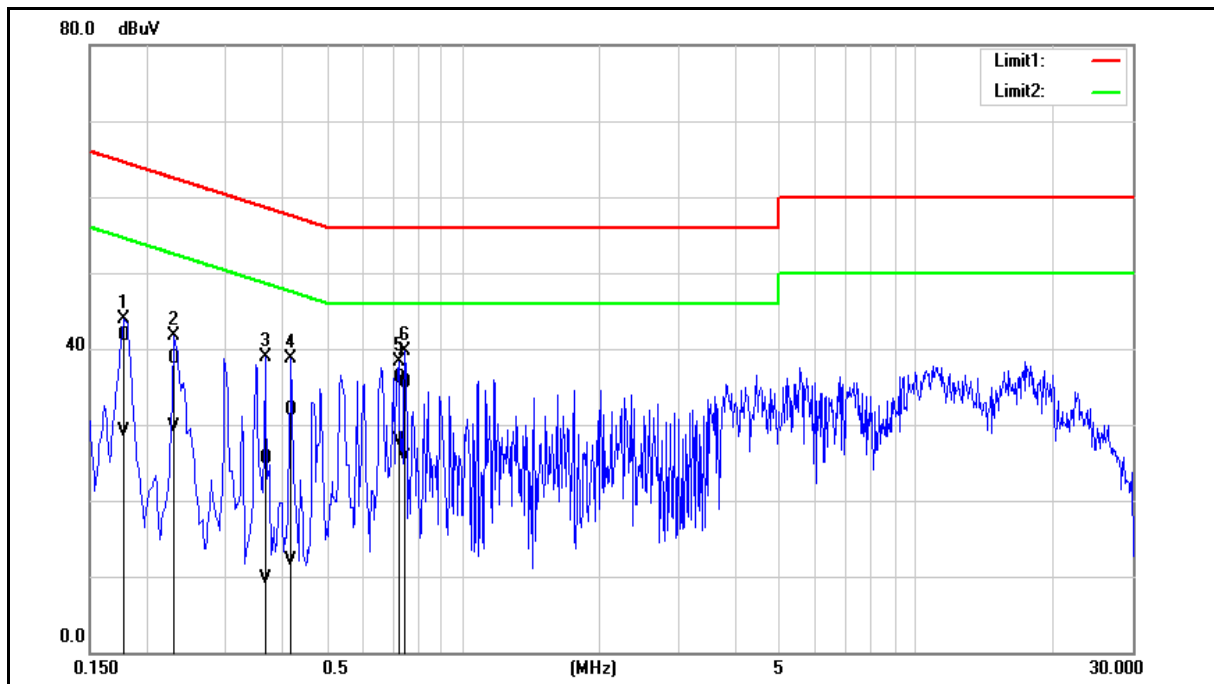


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.2060	36.73	24.50	9.64	46.37	34.14	63.37	53.37	-17.00	-19.23	Pass
2	0.2780	29.00	10.27	9.65	38.65	19.92	60.88	50.88	-22.23	-30.96	Pass
3	0.3340	32.28	19.24	9.65	41.93	28.89	59.35	49.35	-17.42	-20.46	Pass
4	0.5580	13.15	0.89	9.66	22.81	10.55	56.00	46.00	-33.19	-35.45	Pass
5	0.6980	14.77	3.12	9.66	24.43	12.78	56.00	46.00	-31.57	-33.22	Pass
6	4.9460	24.41	7.28	9.80	34.21	17.08	56.00	46.00	-21.79	-28.92	Pass

註：1. 干擾值(dBuV) = 校正係數(dB) + 讀值(dBuV)。

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

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



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1780	31.98	19.51	9.67	41.65	29.18	64.58	54.58	-22.93	-25.40	Pass
2	0.2300	29.03	19.95	9.67	38.70	29.62	62.45	52.45	-23.75	-22.83	Pass
3	0.3660	15.89	0.04	9.68	25.57	9.72	58.59	48.59	-33.02	-38.87	Pass
4	0.4180	22.30	2.48	9.68	31.98	12.16	57.49	47.49	-25.51	-35.33	Pass
5	0.7220	26.41	18.30	9.69	36.10	27.99	56.00	46.00	-19.90	-18.01	Pass
6	0.7460	25.90	15.93	9.69	35.59	25.62	56.00	46.00	-20.41	-20.38	Pass

註：1. 干擾值(dBuV) = 校正係數(dB) + 讀值(dBuV)。

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

4.2 2.4 GHz 檢驗項目

4.2.1 場強輻射之量測

合格標準:

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

依據 NCC 低功率射頻電機技術規範第 2.7 節之規定,禁用頻段如下：

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

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

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

測試方法：

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

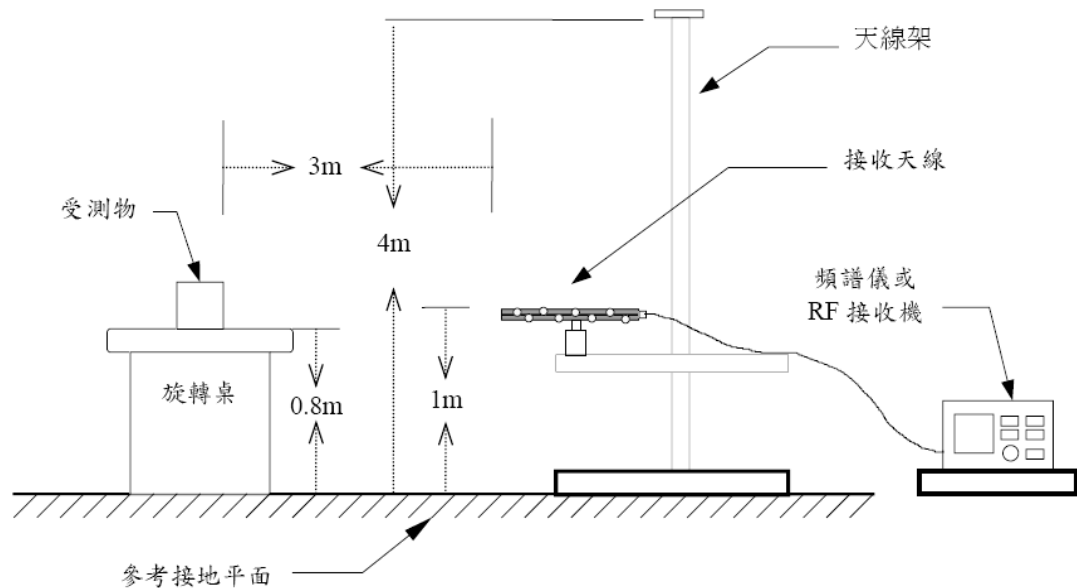
場強度之計算

場強之計算公式為：結果值 = 讀值 + 校正因子

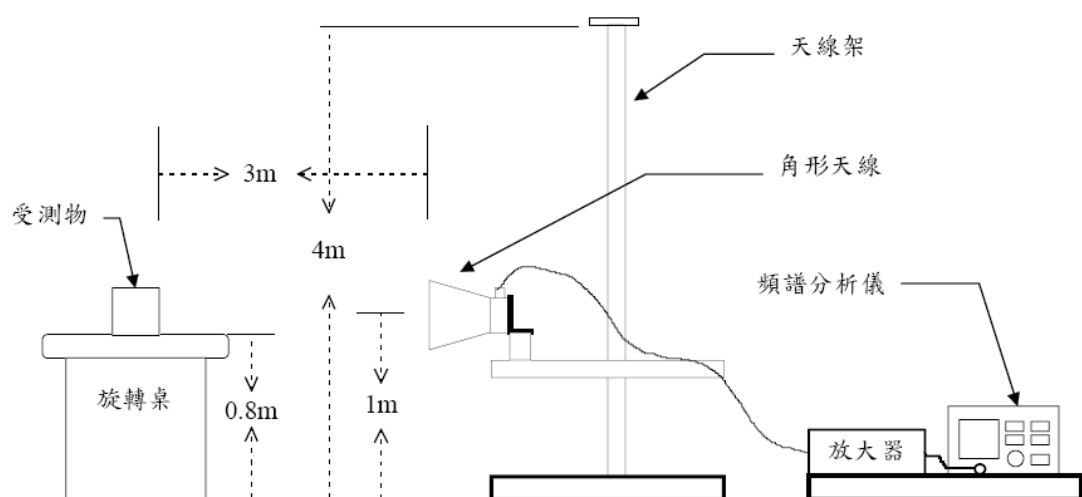
其中校正因子為：天線因子+ 饋線損失 + 濾波器損失（若有使用） - 放大器增益（若有使用）

測試架構圖：

量測頻率低於 1 GHz 以下之測試配置



量測頻率高於 1 GHz 以上之測試配置



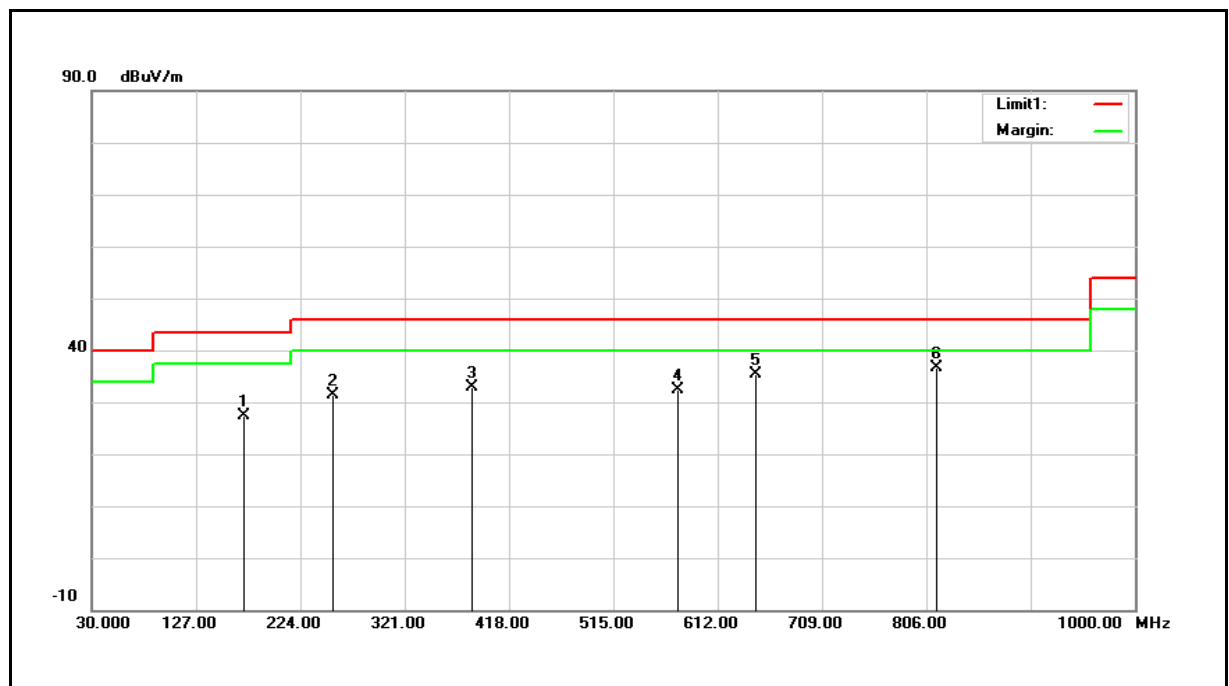
測試結果：

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

場強輻射之量測依據輸出峰值功率之量測結果取其最大值之操作模式為場強輻射測試模式。

其它不必要之訊號 (1 GHz 以下)

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	171.6200	33.27	-5.92	27.35	43.50	-16.15	QP
2	254.0700	37.23	-5.84	31.39	46.00	-14.61	QP
3	384.0500	35.35	-2.50	32.85	46.00	-13.15	QP
4	575.1400	30.72	1.77	32.49	46.00	-13.51	QP
5	647.8900	32.41	2.90	35.31	46.00	-10.69	QP
6	815.7000	30.52	6.08	36.60	46.00	-9.40	QP

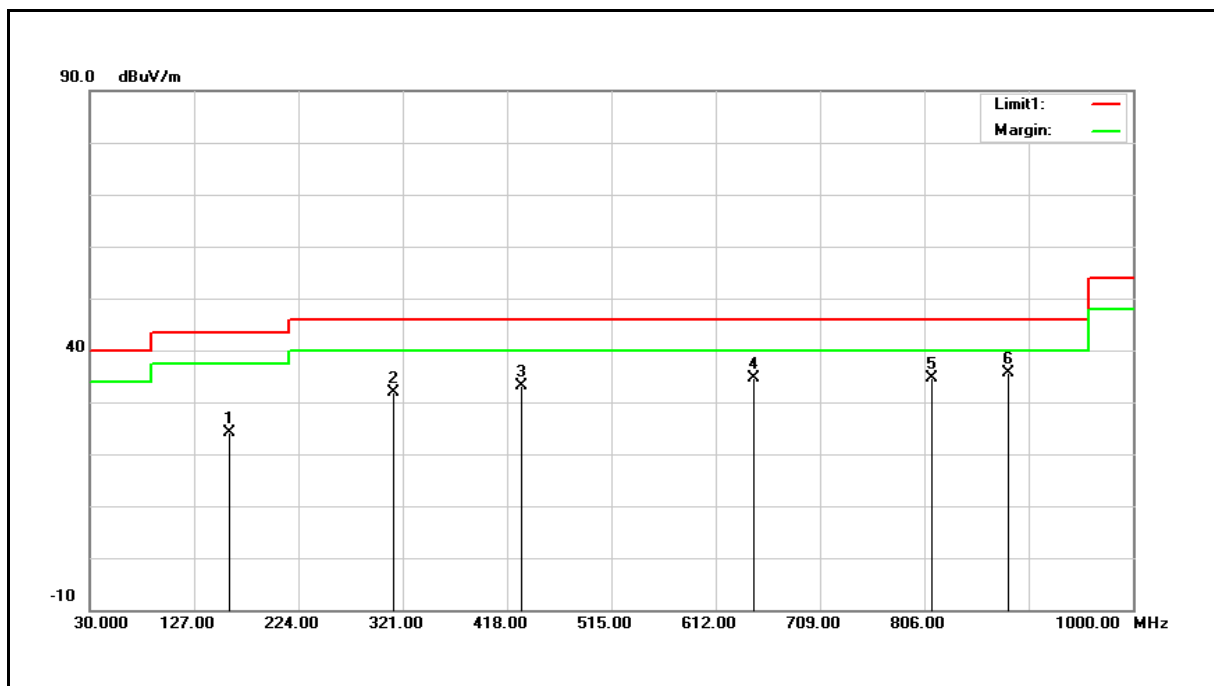
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 27.35 = -5.92 + 33.27

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

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

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



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	159.9800	29.59	-5.41	24.18	43.50	-19.32	QP
2	312.2700	35.80	-4.00	31.80	46.00	-14.20	QP
3	431.5800	34.43	-1.21	33.22	46.00	-12.78	QP
4	647.8900	31.74	2.90	34.64	46.00	-11.36	QP
5	812.7900	28.57	6.02	34.59	46.00	-11.41	QP
6	884.5700	28.39	7.31	35.70	46.00	-10.30	QP

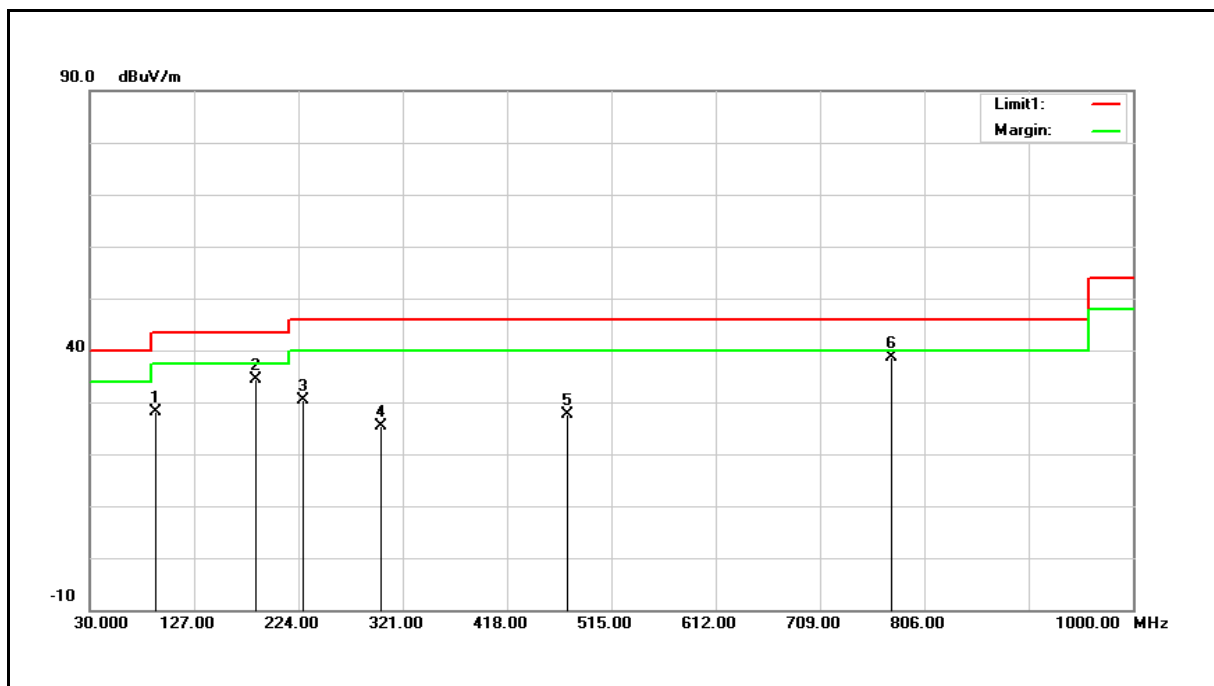
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 24.18 = -5.41 + 29.59

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Radiated Emission	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



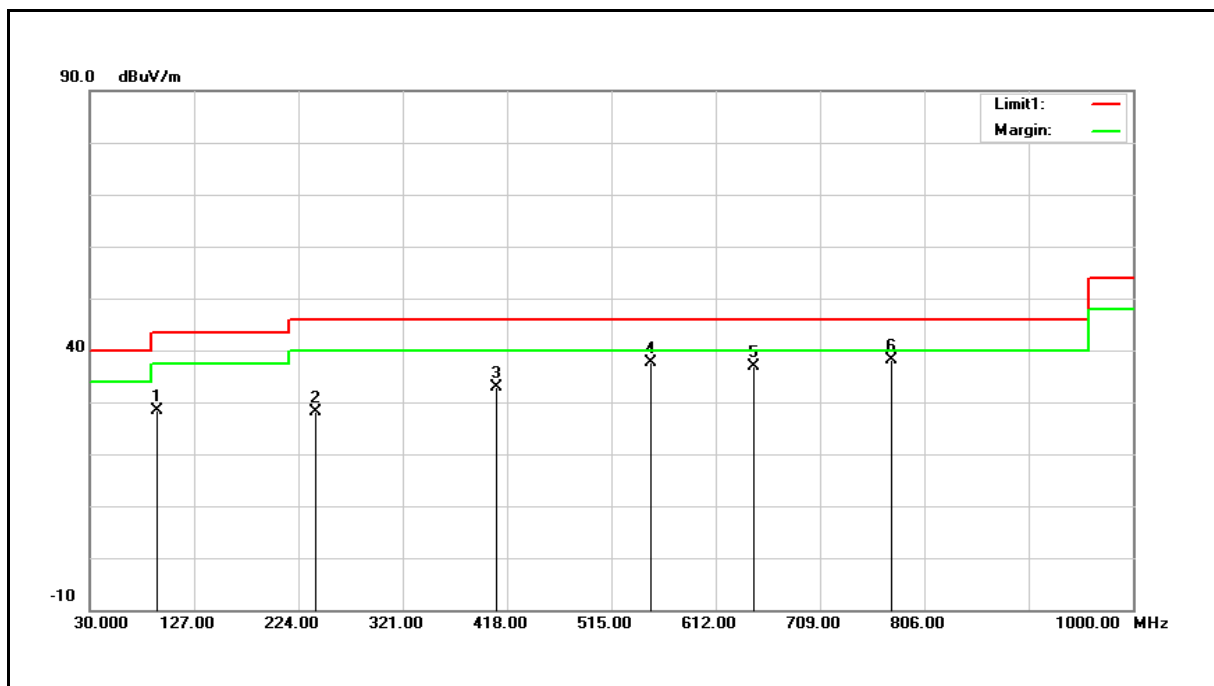
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	91.1100	40.14	-11.90	28.24	43.50	-15.26	QP
2	184.2300	41.29	-6.98	34.31	43.50	-9.19	QP
3	228.8500	37.30	-7.01	30.29	46.00	-15.71	QP
4	300.6300	29.62	-4.19	25.43	46.00	-20.57	QP
5	474.2600	27.96	-0.43	27.53	46.00	-18.47	QP
6	774.9600	33.18	5.51	38.69	46.00	-7.31	QP

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Radiated Emission	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	93.0500	40.15	-11.67	28.48	43.50	-15.02	QP
2	240.4900	34.32	-6.15	28.17	46.00	-17.83	QP
3	408.3000	34.82	-1.85	32.97	46.00	-13.03	QP
4	551.8600	36.59	1.09	37.68	46.00	-8.32	QP
5	647.8900	34.09	2.90	36.99	46.00	-9.01	QP
6	774.9600	32.51	5.51	38.02	46.00	-7.98	QP

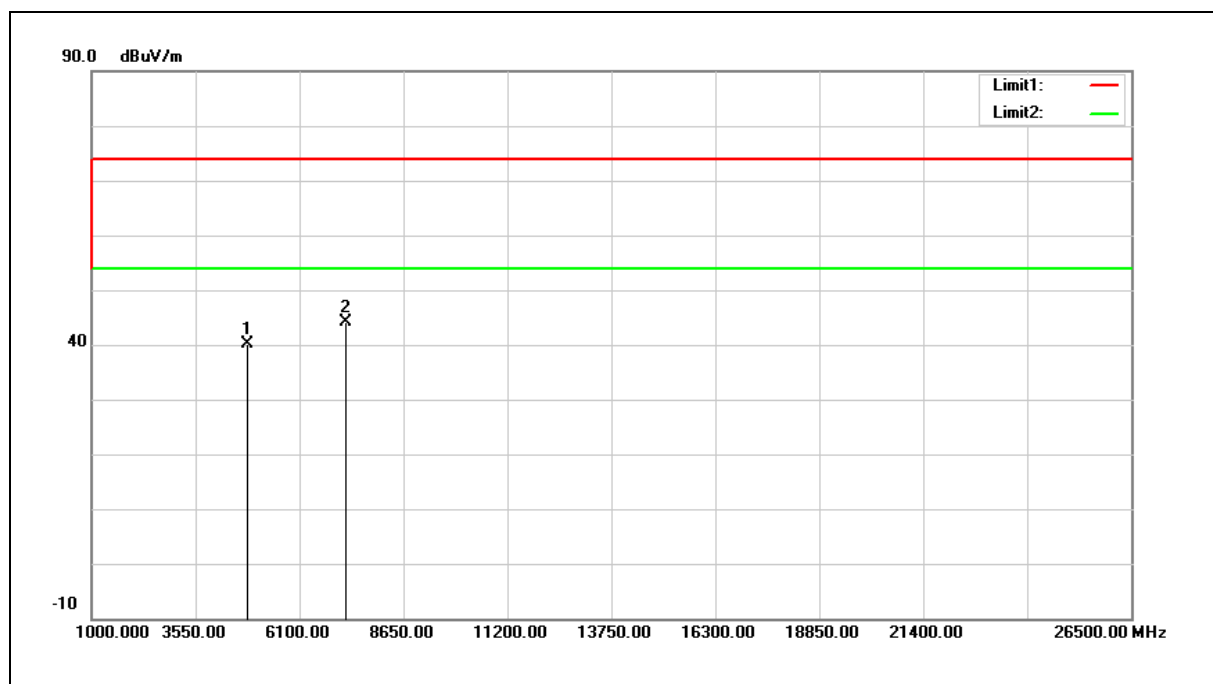
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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

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

場強輻射量側 (1 GHz 以上)

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



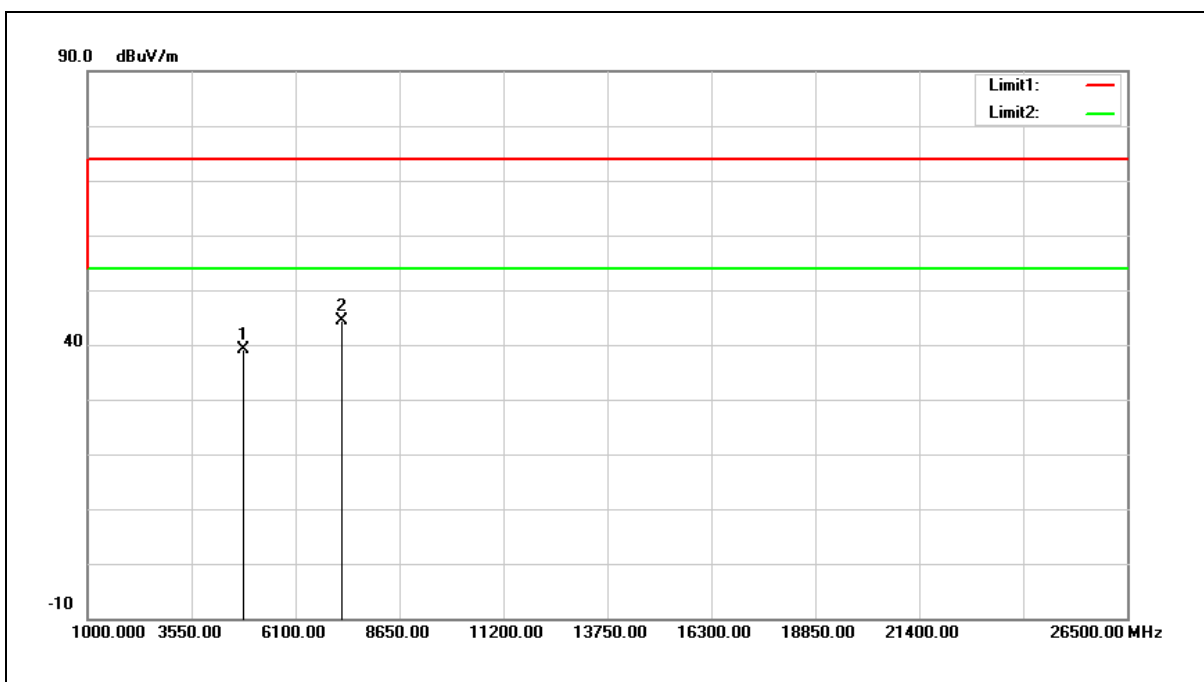
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	34.05	5.97	40.02	74.00	-33.98	peak
2	7236.000	31.73	12.48	44.21	74.00	-29.79	peak

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

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

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

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



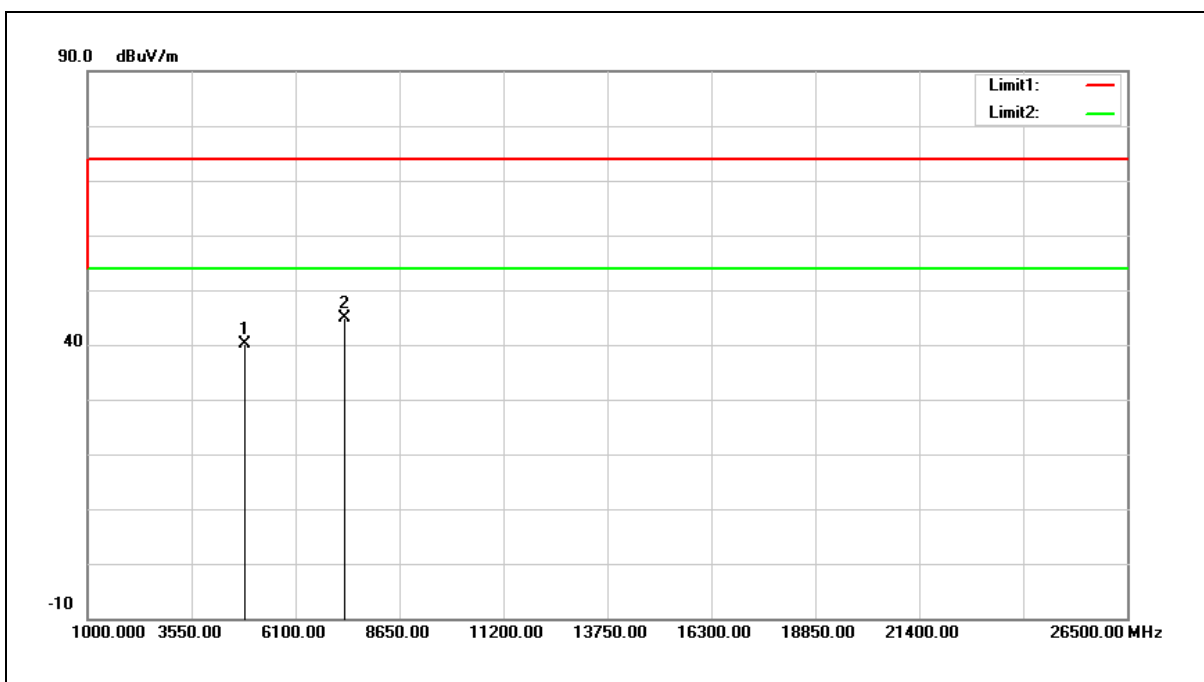
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	33.04	5.97	39.01	74.00	-34.99	peak
2	7236.000	31.82	12.48	44.30	74.00	-29.70	peak

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

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

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

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



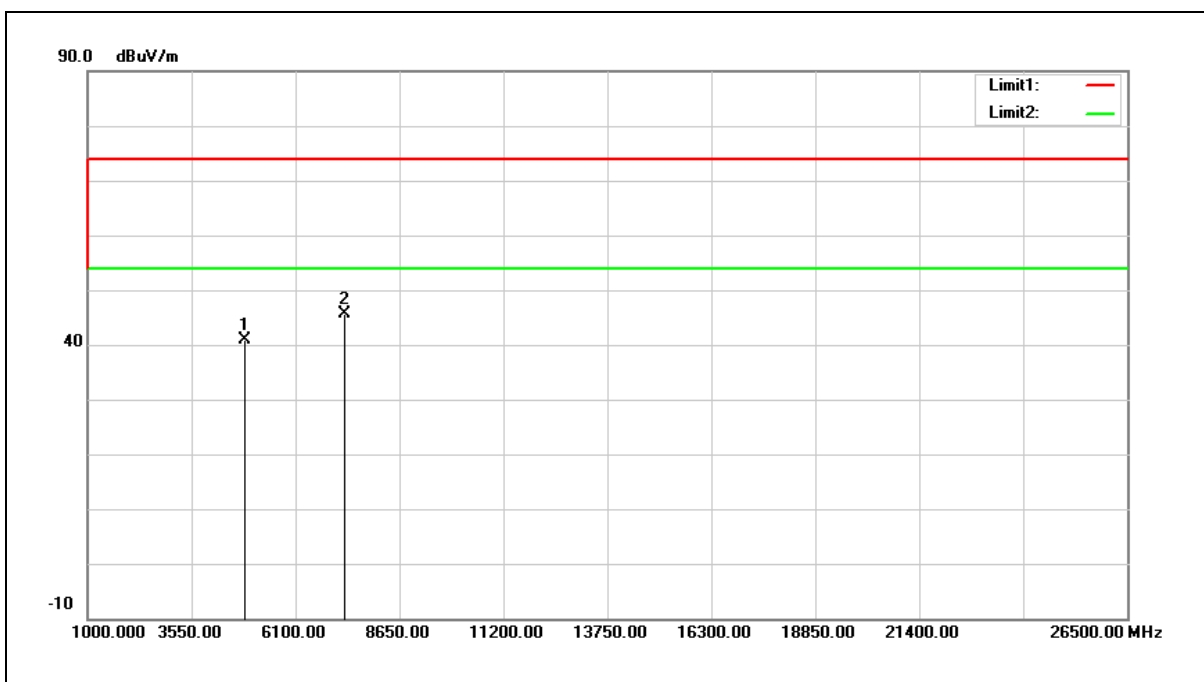
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	33.93	6.12	40.05	74.00	-33.95	peak
2	7311.000	32.17	12.73	44.90	74.00	-29.10	peak

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

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

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

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



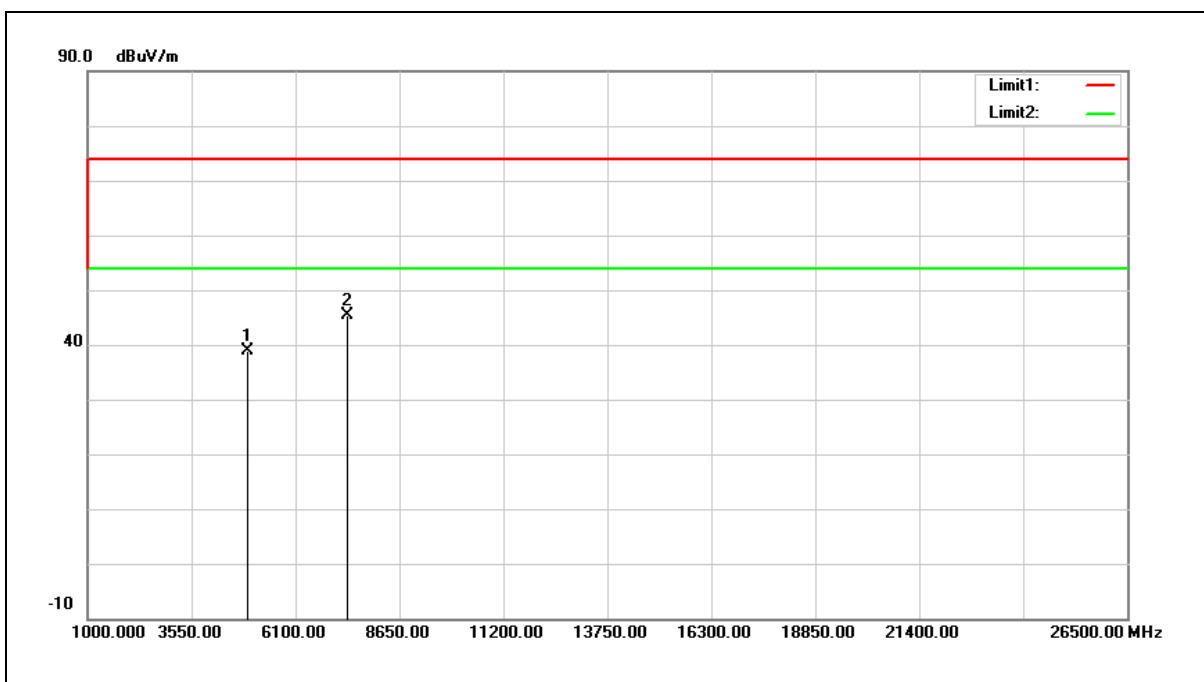
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.73	6.12	40.85	74.00	-33.15	peak
2	7311.000	33.02	12.73	45.75	74.00	-28.25	peak

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

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

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

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



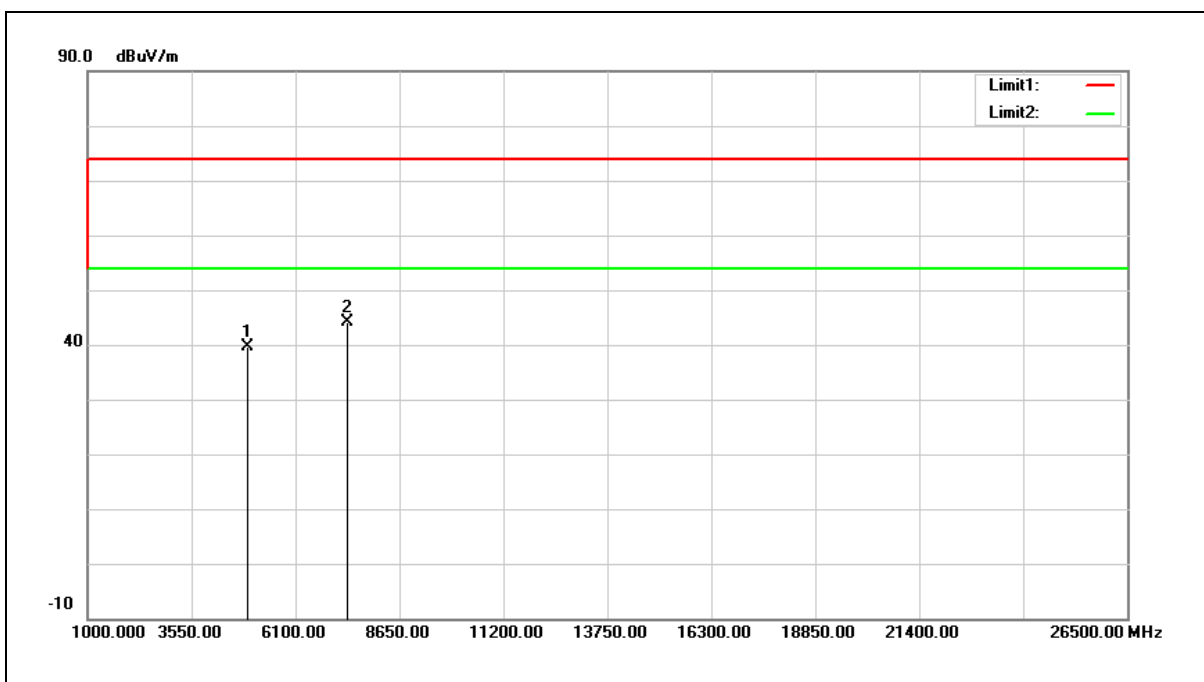
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	32.67	6.28	38.95	74.00	-35.05	peak
2	7386.000	32.45	12.99	45.44	74.00	-28.56	peak

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

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

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

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



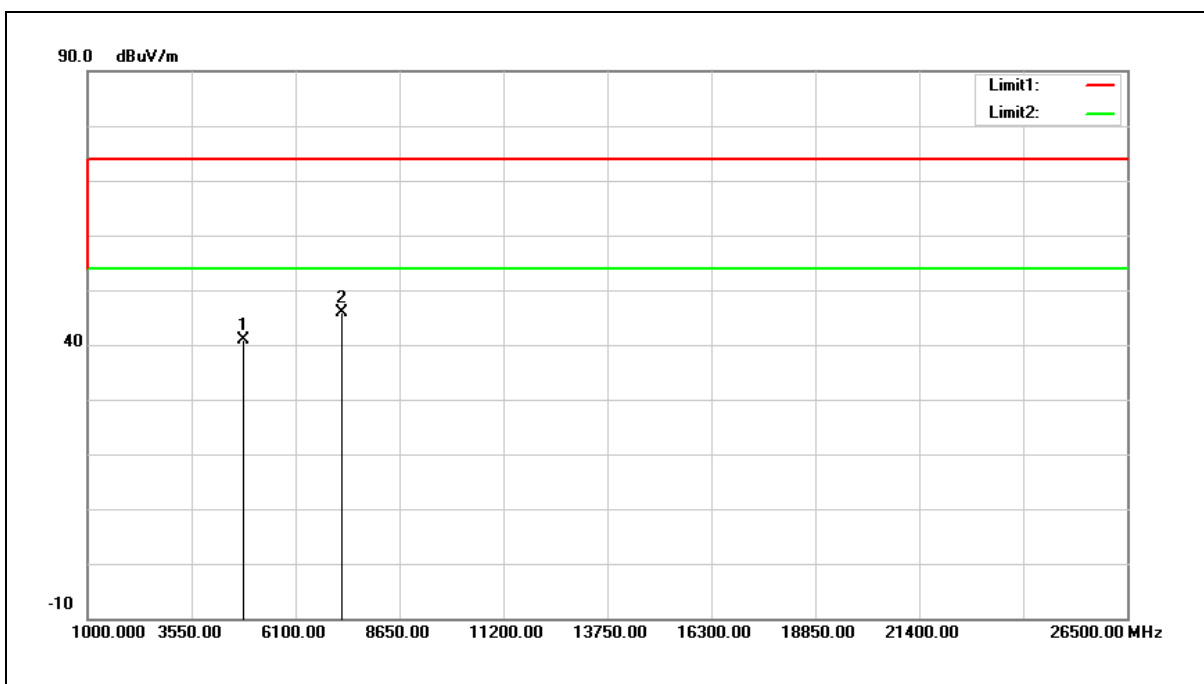
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	33.35	6.28	39.63	74.00	-34.37	peak
2	7386.000	31.21	12.99	44.20	74.00	-29.80	peak

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

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

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

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



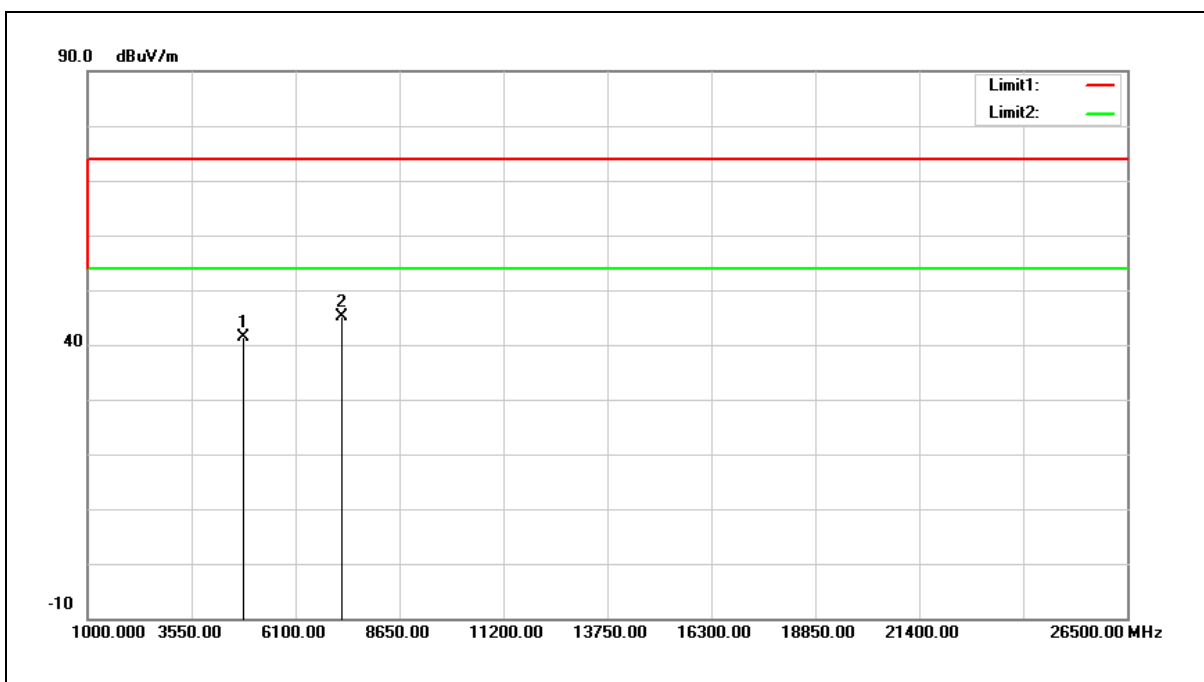
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	34.83	5.97	40.80	74.00	-33.20	peak
2	7236.000	33.36	12.48	45.84	74.00	-28.16	peak

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

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

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

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



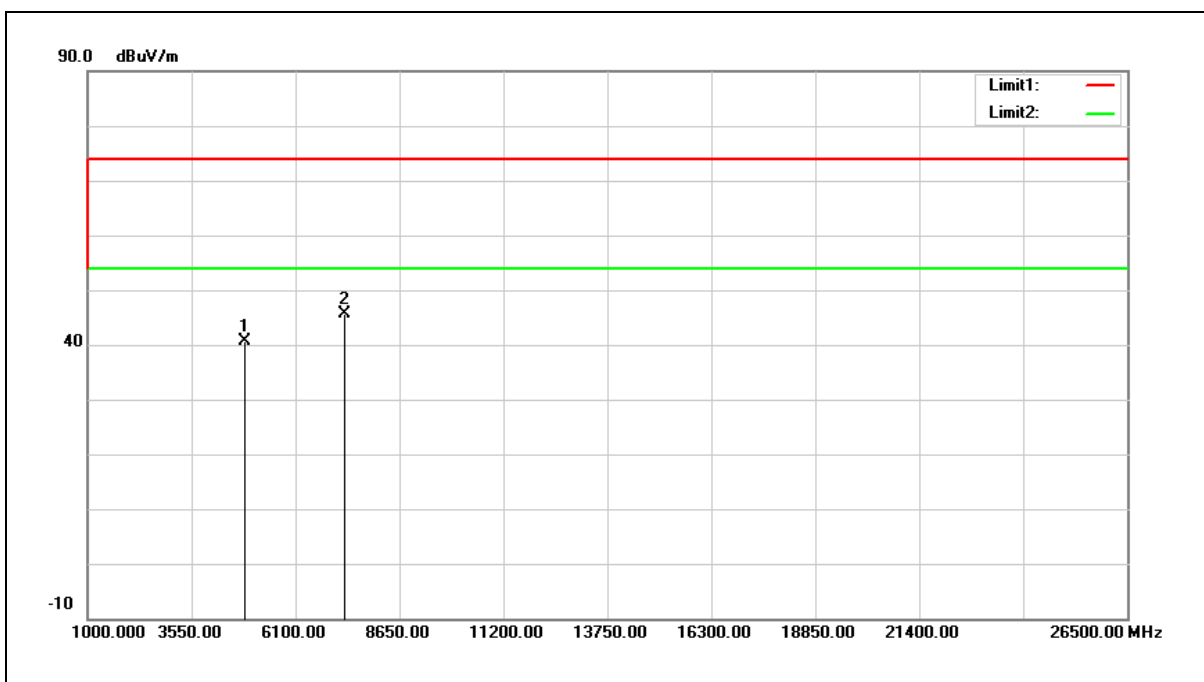
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	35.32	5.97	41.29	74.00	-32.71	peak
2	7236.000	32.71	12.48	45.19	74.00	-28.81	peak

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

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

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

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



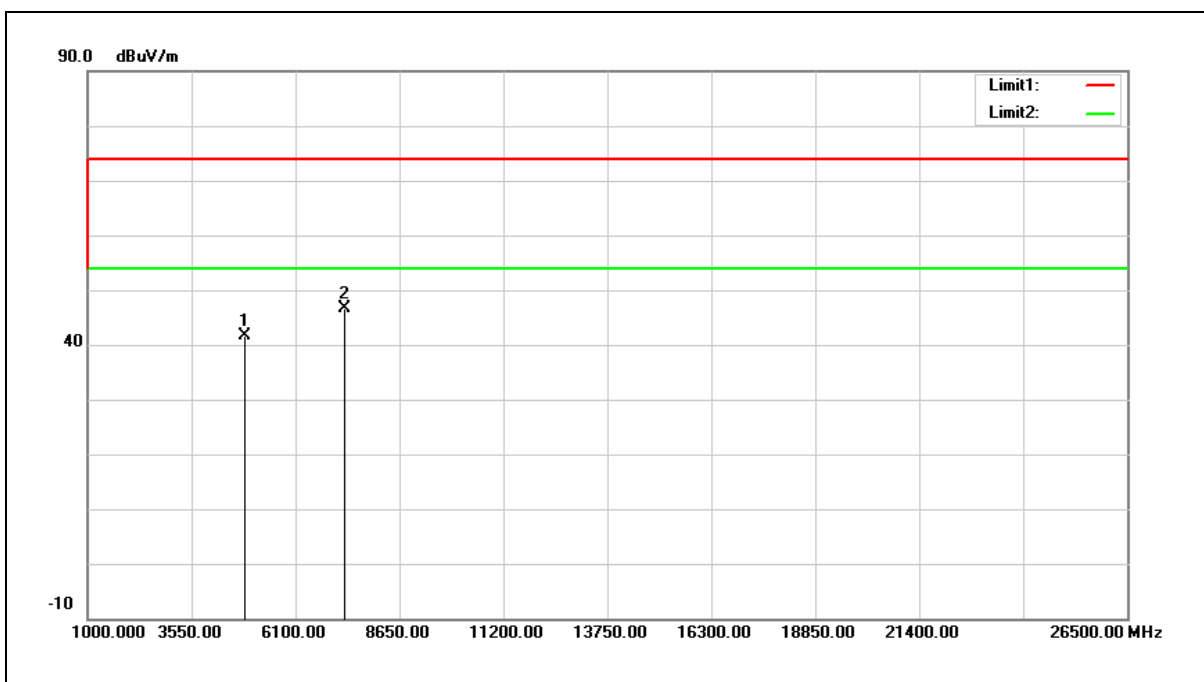
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.39	6.12	40.51	74.00	-33.49	peak
2	7311.000	33.01	12.73	45.74	74.00	-28.26	peak

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

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

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

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



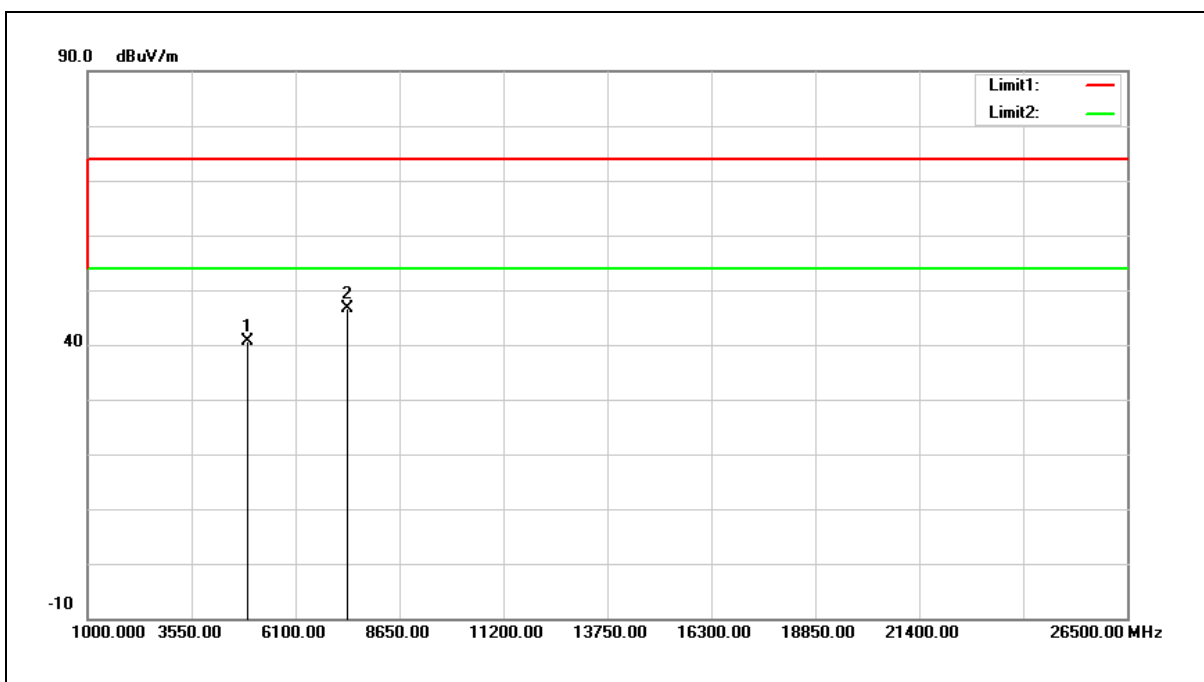
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	35.61	6.12	41.73	74.00	-32.27	peak
2	7311.000	33.89	12.73	46.62	74.00	-27.38	peak

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



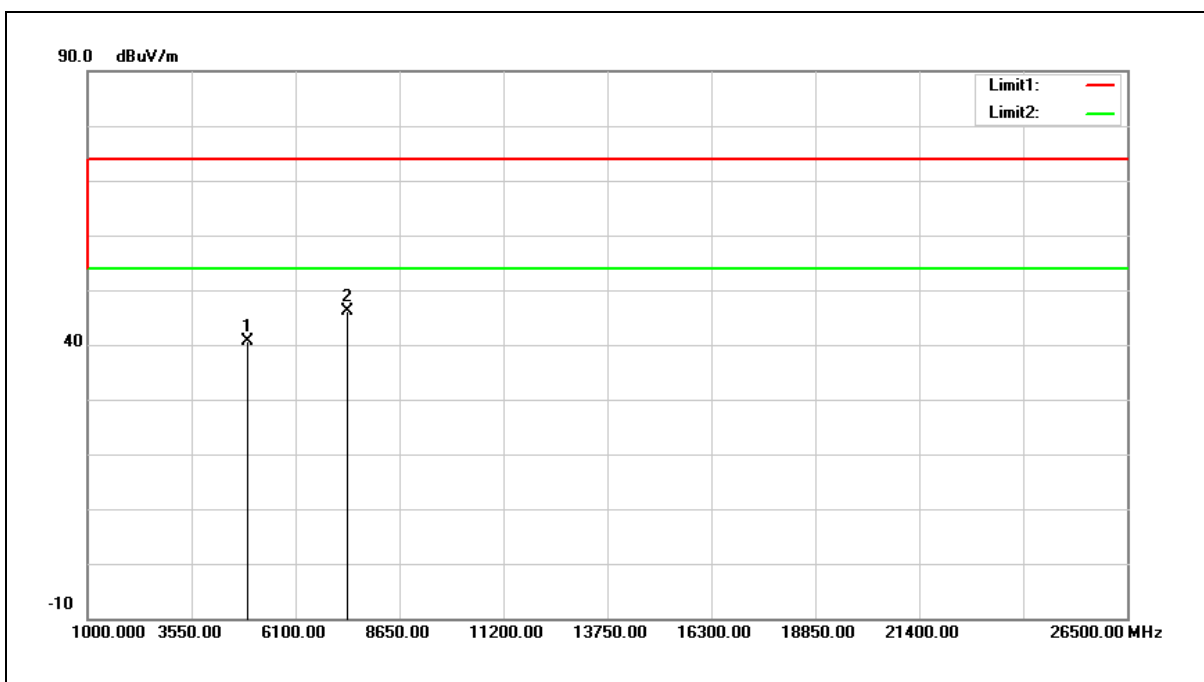
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	34.28	6.28	40.56	74.00	-33.44	peak
2	7386.000	33.63	12.99	46.62	74.00	-27.38	peak

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



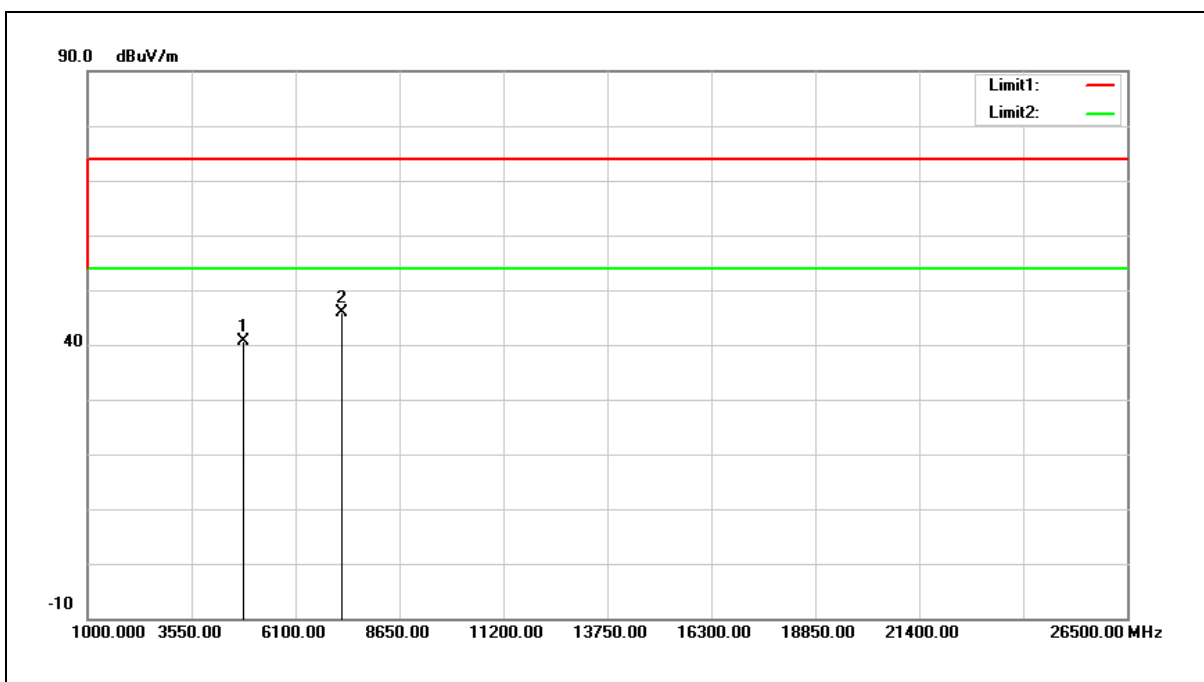
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	34.27	6.28	40.55	74.00	-33.45	peak
2	7386.000	33.15	12.99	46.14	74.00	-27.86	peak

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

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

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

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



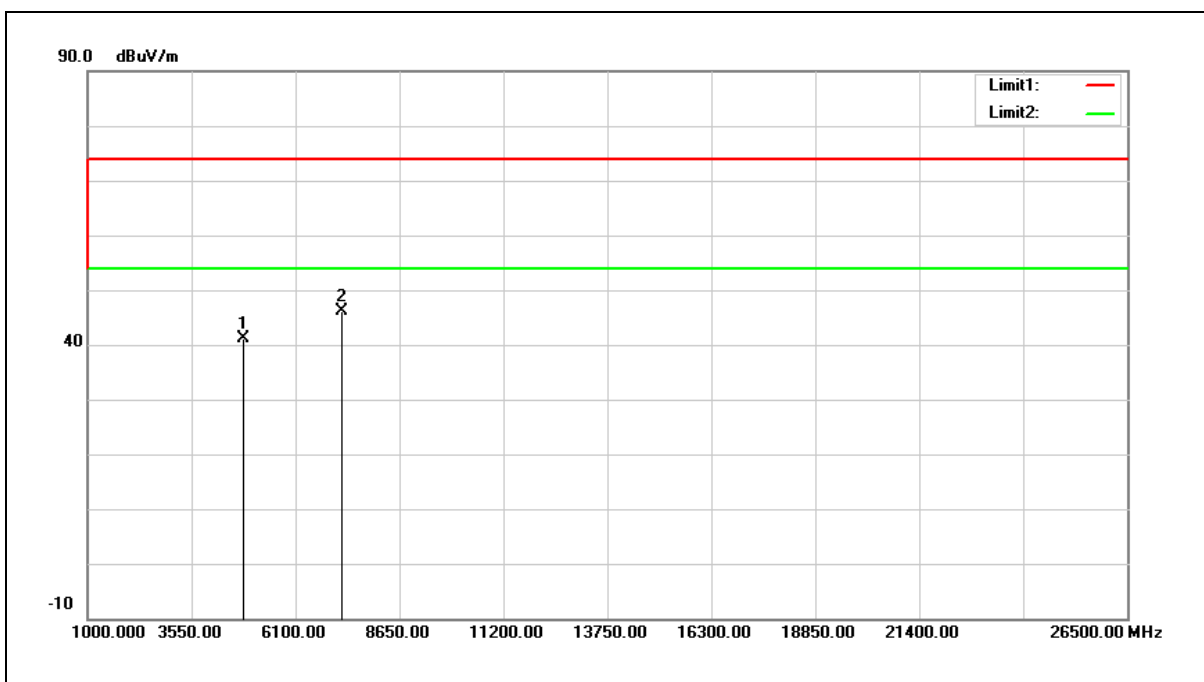
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	34.74	5.97	40.71	74.00	-33.29	peak
2	7236.000	33.38	12.48	45.86	74.00	-28.14	peak

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

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

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

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



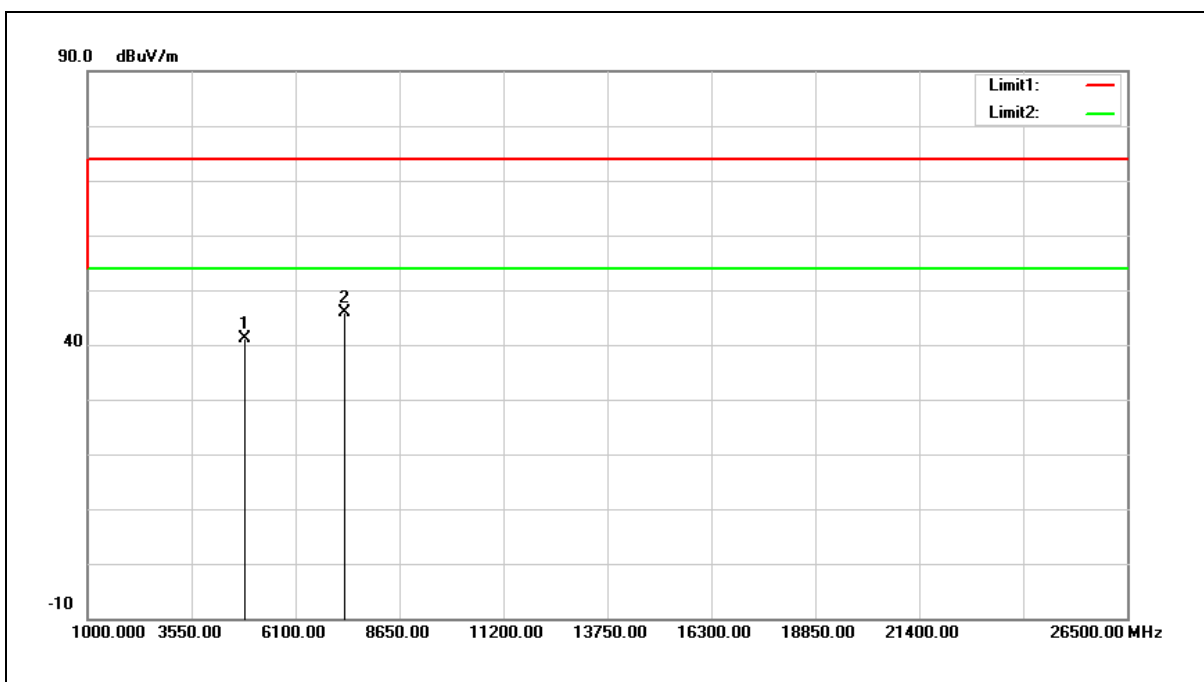
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	35.15	5.97	41.12	74.00	-32.88	peak
2	7236.000	33.61	12.48	46.09	74.00	-27.91	peak

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

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

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

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



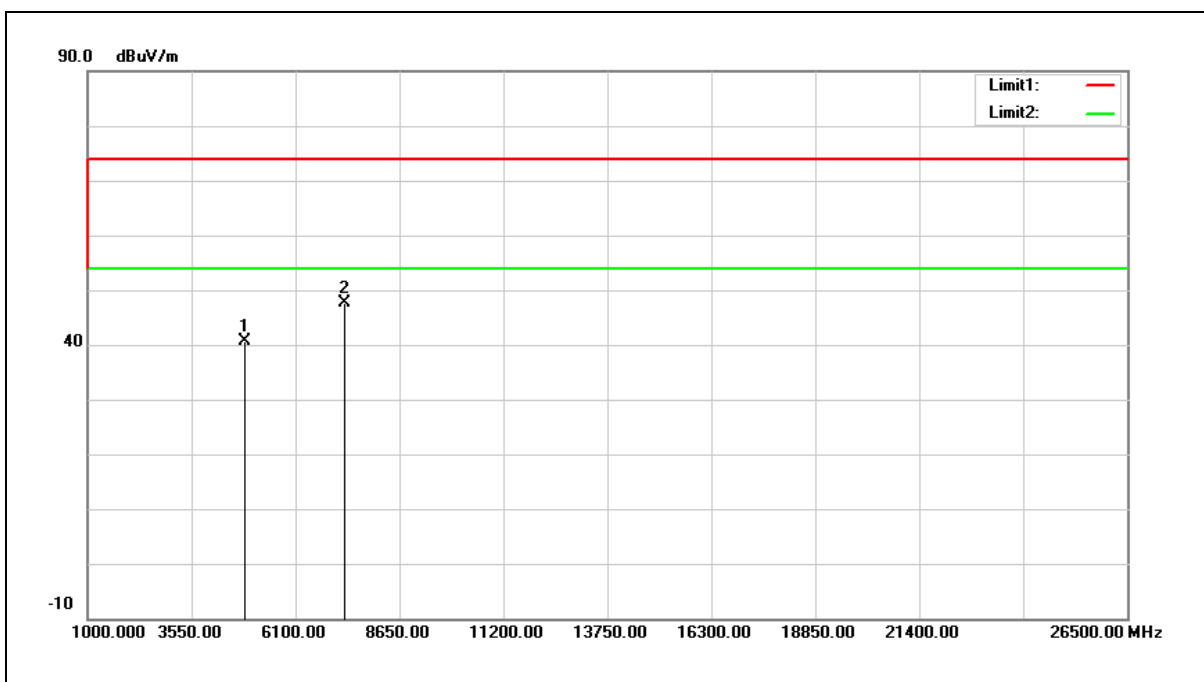
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	35.09	6.12	41.21	74.00	-32.79	peak
2	7311.000	33.20	12.73	45.93	74.00	-28.07	peak

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

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

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

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



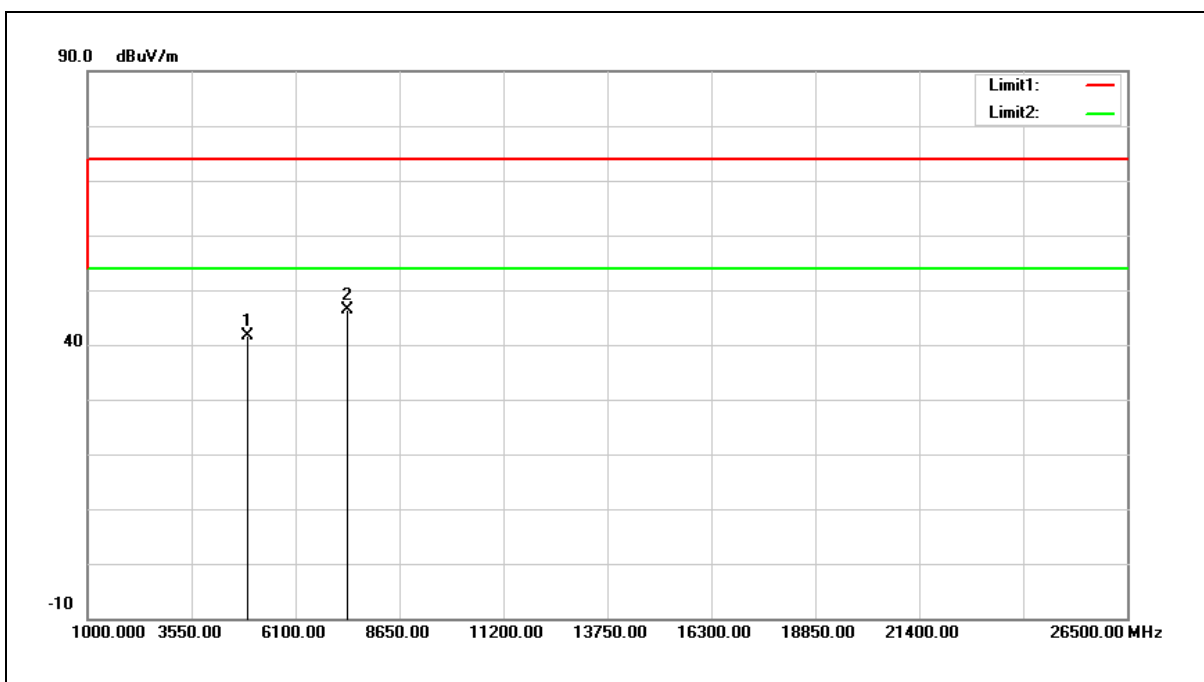
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.39	6.12	40.51	74.00	-33.49	peak
2	7311.000	34.92	12.73	47.65	74.00	-26.35	peak

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

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

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

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



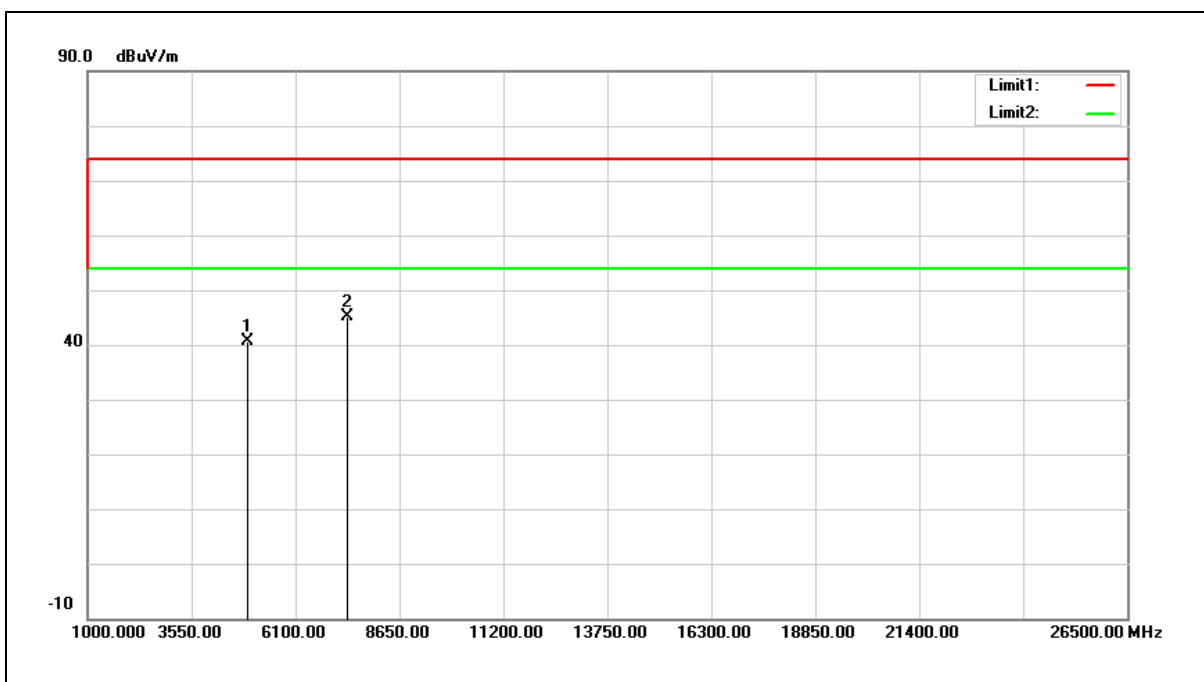
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	35.45	6.28	41.73	74.00	-32.27	peak
2	7386.000	33.27	12.99	46.26	74.00	-27.74	peak

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

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

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

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



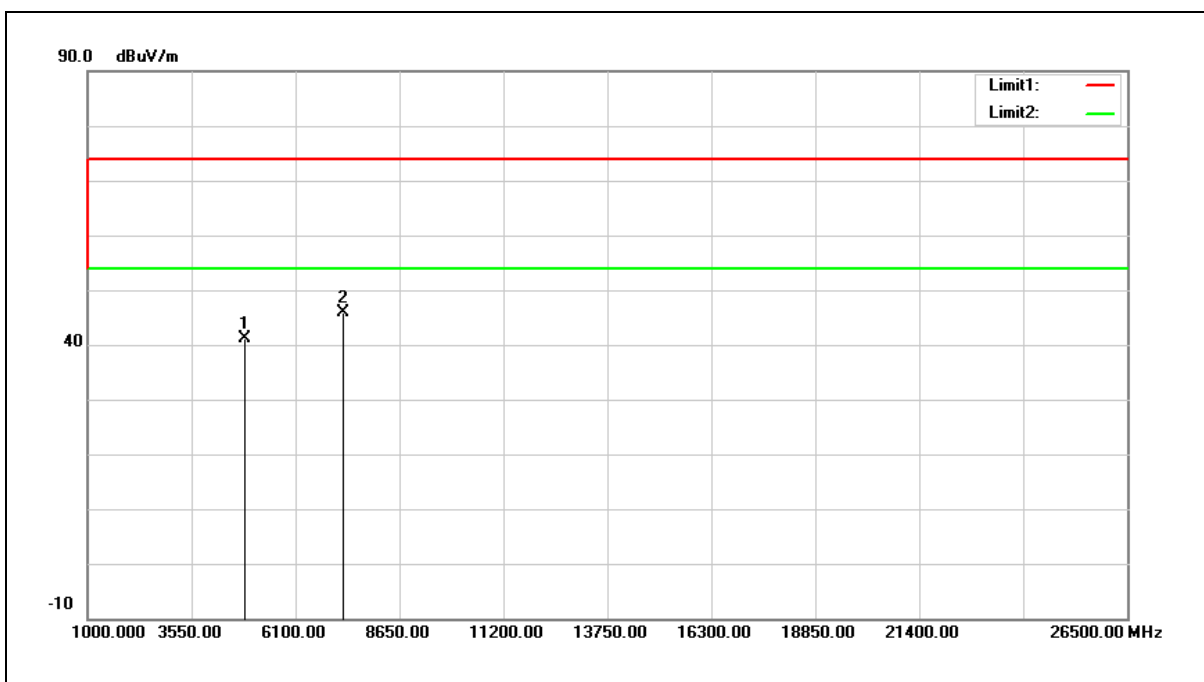
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	34.29	6.28	40.57	74.00	-33.43	peak
2	7386.000	32.17	12.99	45.16	74.00	-28.84	peak

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

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

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

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



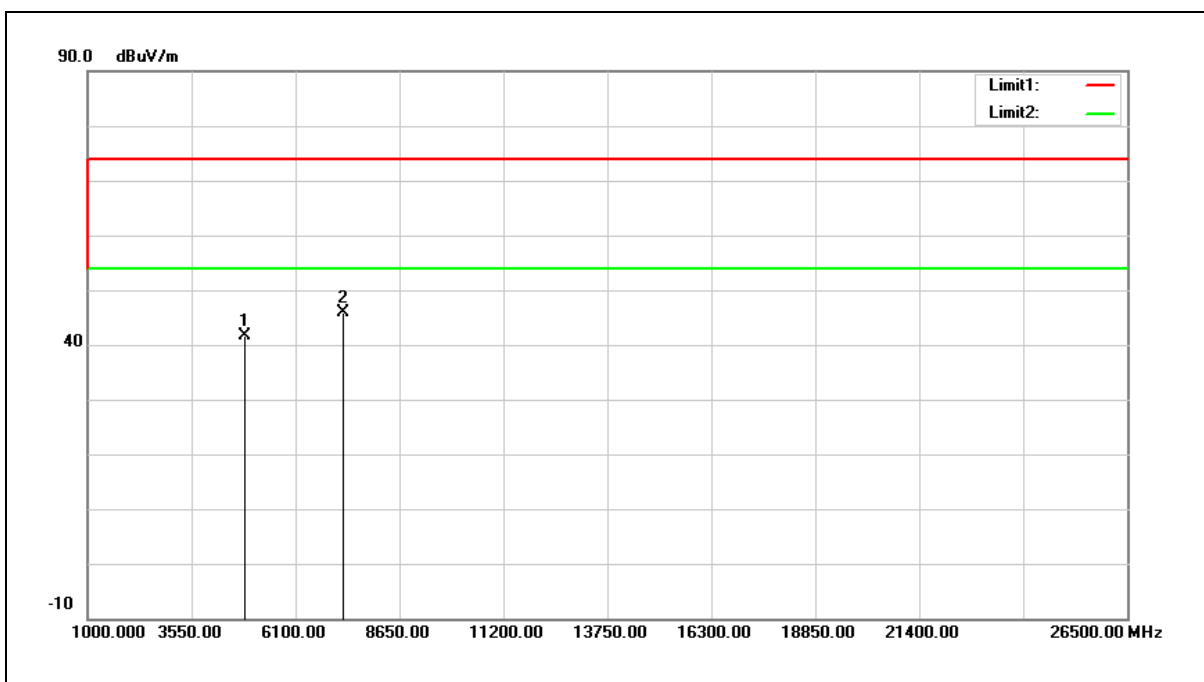
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	35.17	6.04	41.21	74.00	-32.79	peak
2	7266.000	33.40	12.59	45.99	74.00	-28.01	peak

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

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

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

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



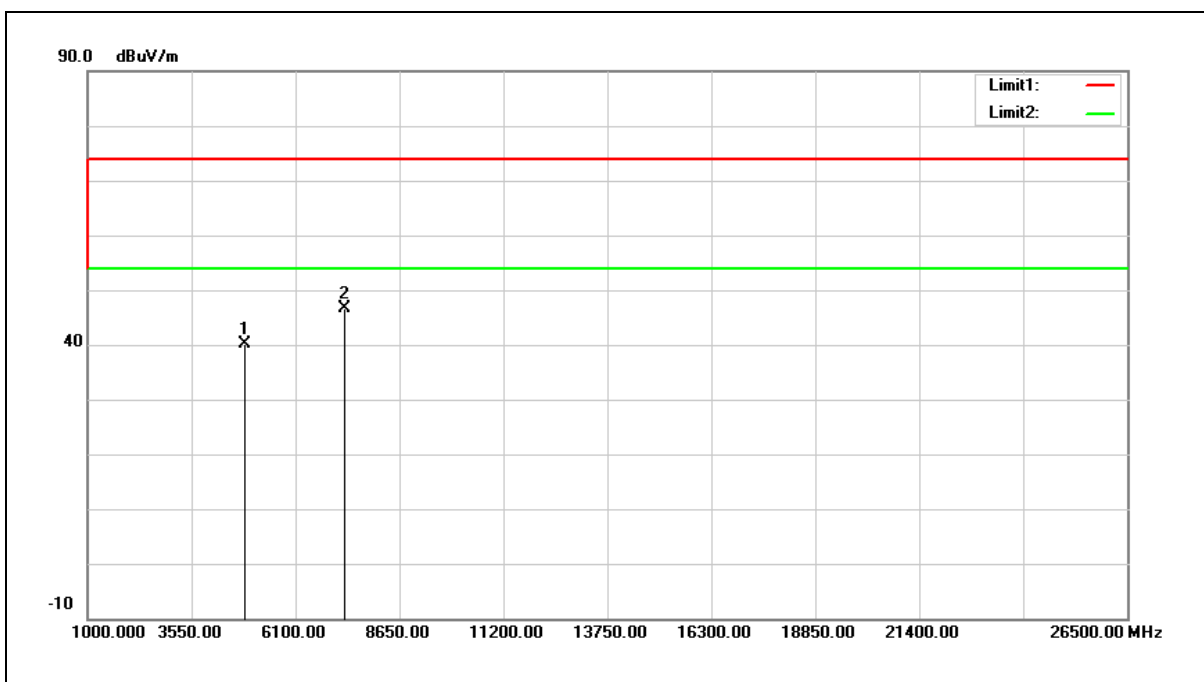
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	35.51	6.04	41.55	74.00	-32.45	peak
2	7266.000	33.31	12.59	45.90	74.00	-28.10	peak

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

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

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

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



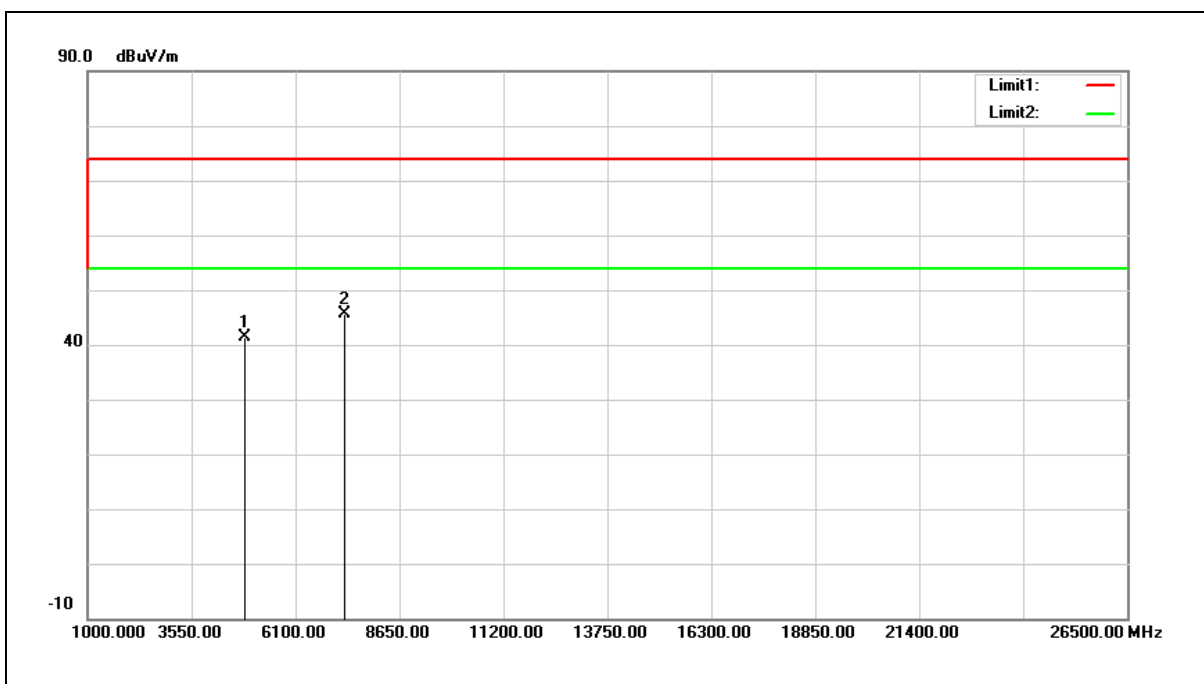
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.13	6.12	40.25	74.00	-33.75	peak
2	7311.000	33.91	12.73	46.64	74.00	-27.36	peak

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

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

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

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



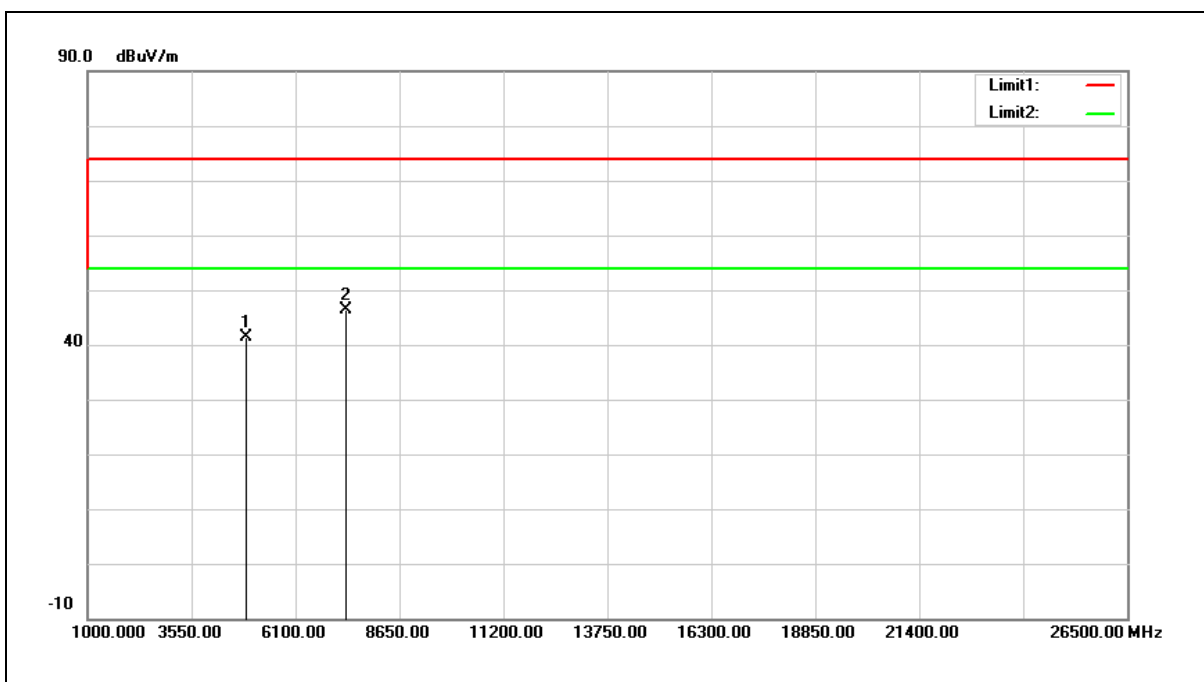
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	35.26	6.12	41.38	74.00	-32.62	peak
2	7311.000	32.90	12.73	45.63	74.00	-28.37	peak

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

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

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

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



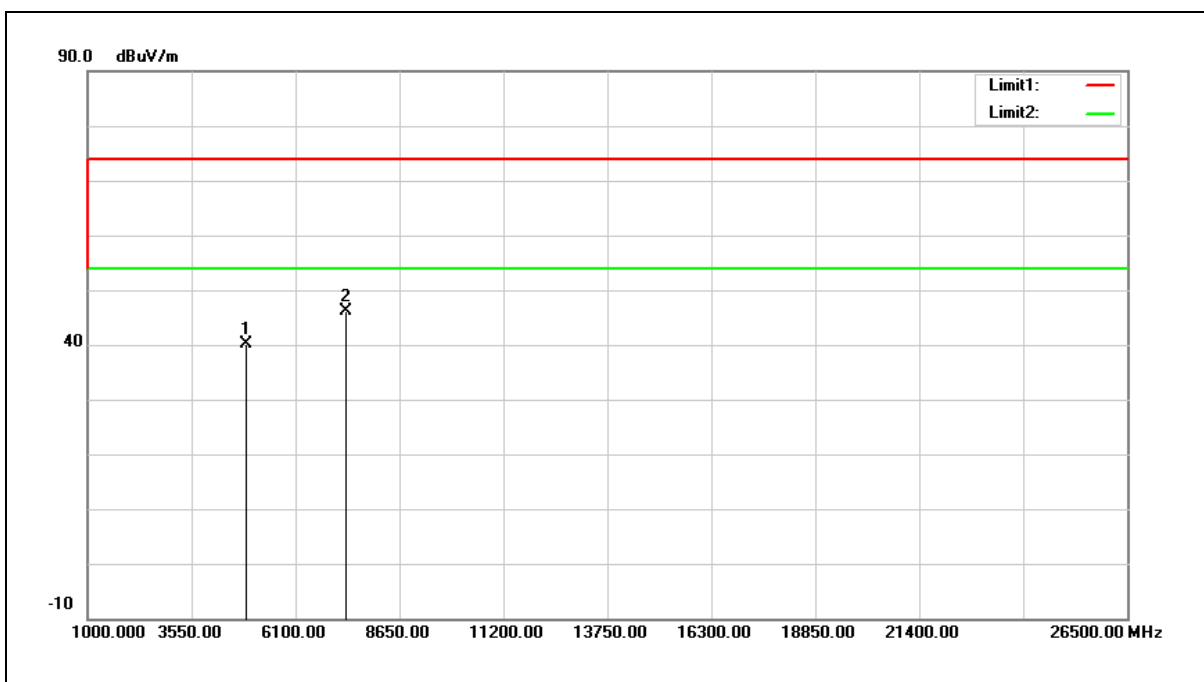
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	35.23	6.21	41.44	74.00	-32.56	peak
2	7356.000	33.38	12.89	46.27	74.00	-27.73	peak

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

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

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

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



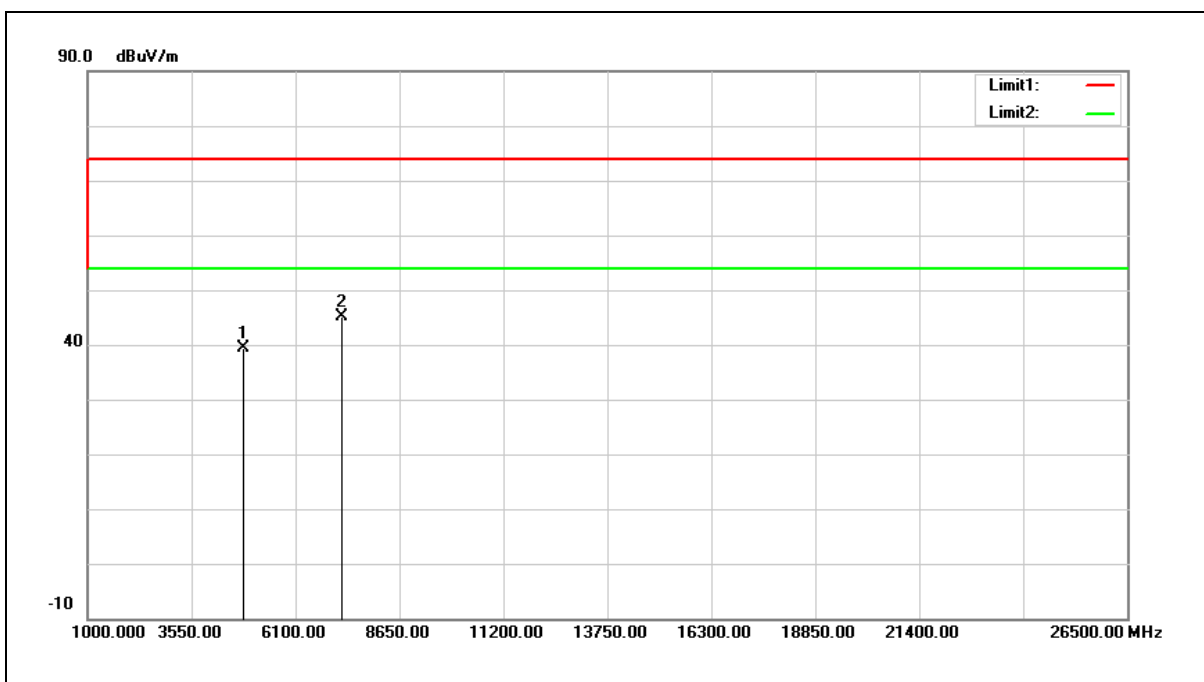
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	33.85	6.21	40.06	74.00	-33.94	peak
2	7356.000	33.16	12.89	46.05	74.00	-27.95	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



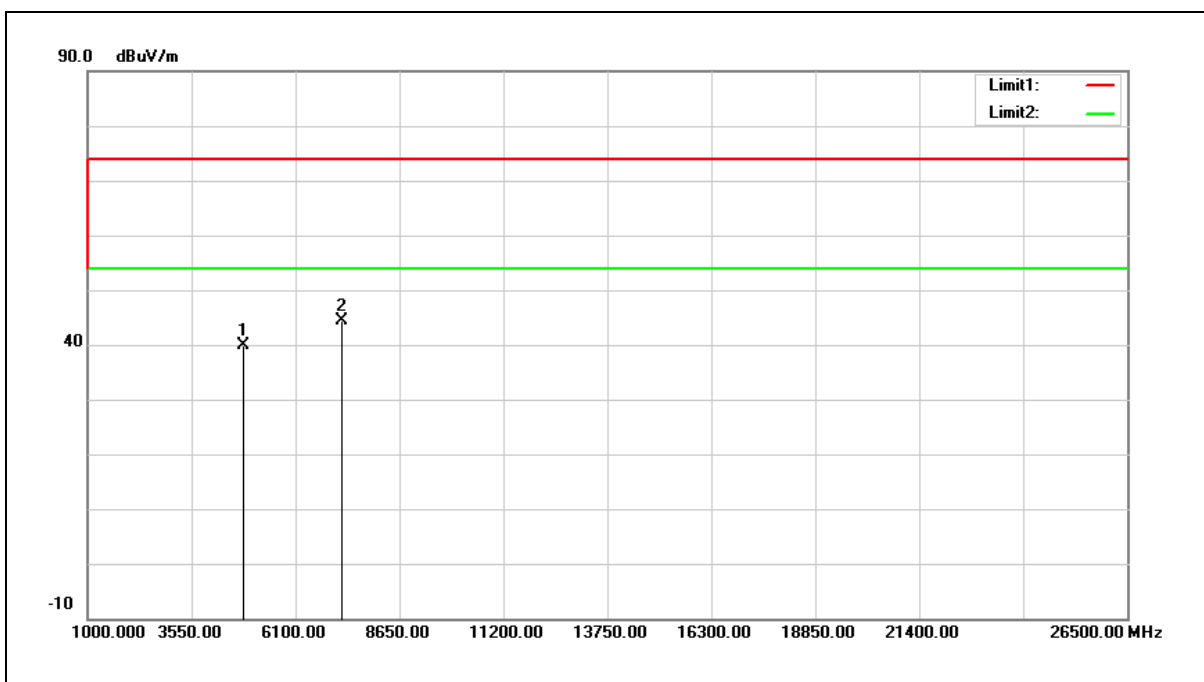
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	33.38	5.97	39.35	74.00	-34.65	peak
2	7236.000	32.55	12.48	45.03	74.00	-28.97	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



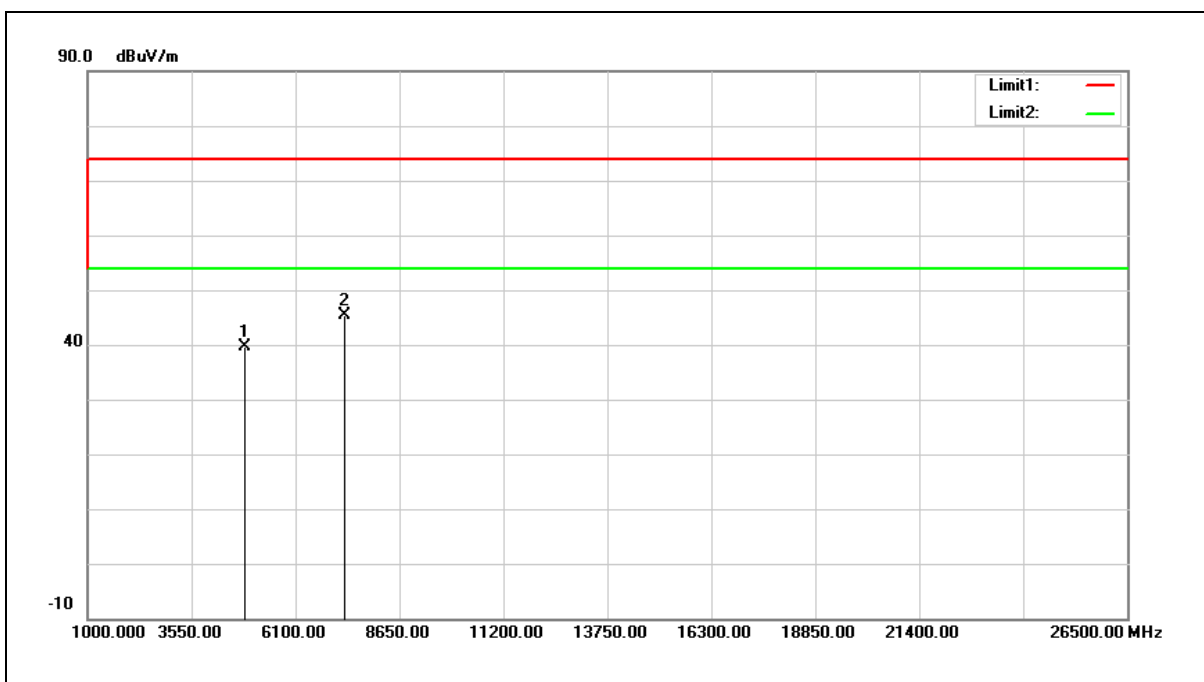
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	33.86	5.97	39.83	74.00	-34.17	peak
2	7236.000	32.02	12.48	44.50	74.00	-29.50	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



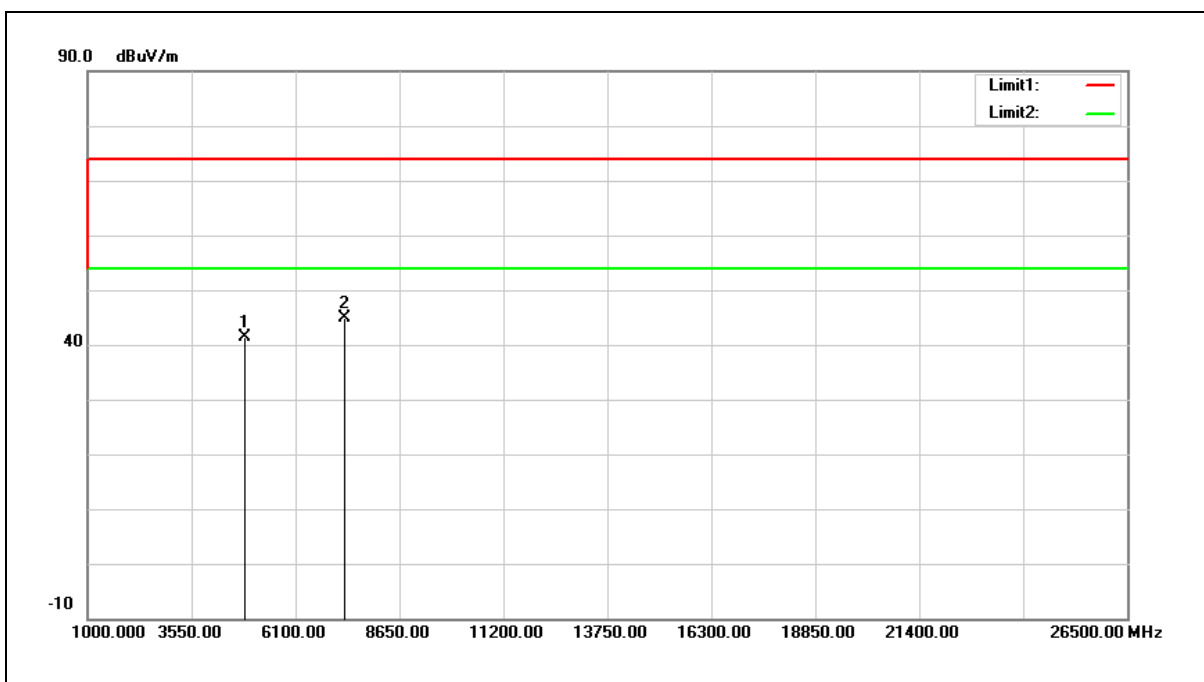
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	33.56	6.12	39.68	74.00	-34.32	peak
2	7311.000	32.53	12.73	45.26	74.00	-28.74	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



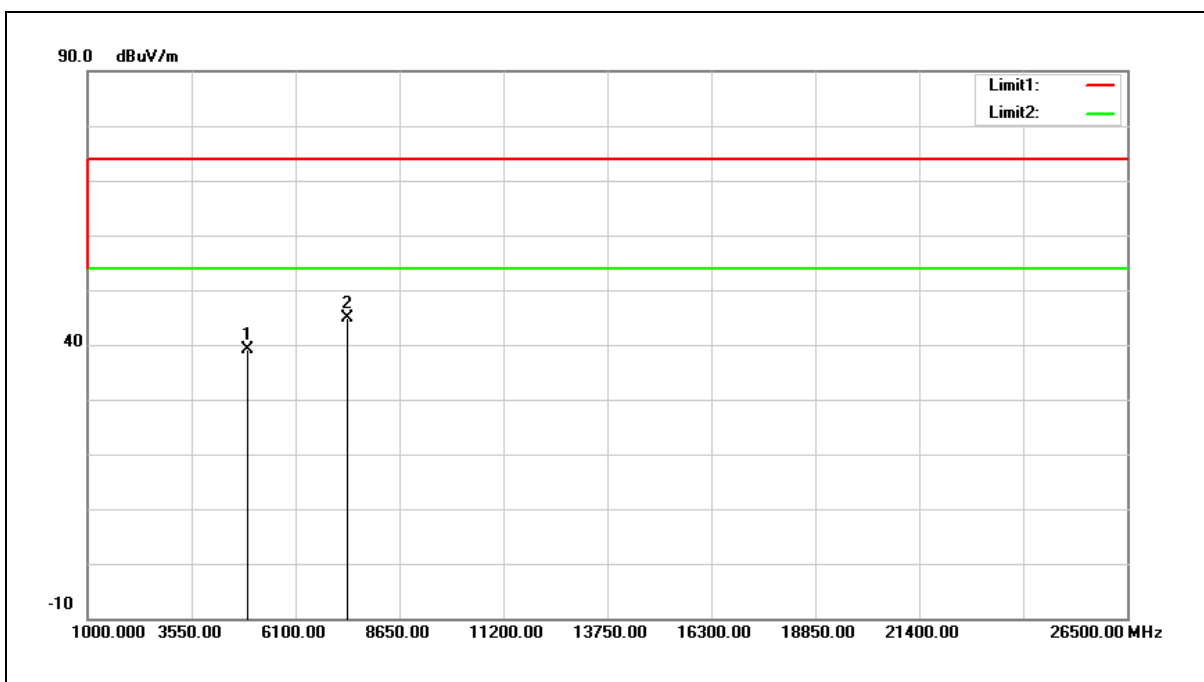
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	35.34	6.12	41.46	74.00	-32.54	peak
2	7311.000	32.23	12.73	44.96	74.00	-29.04	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



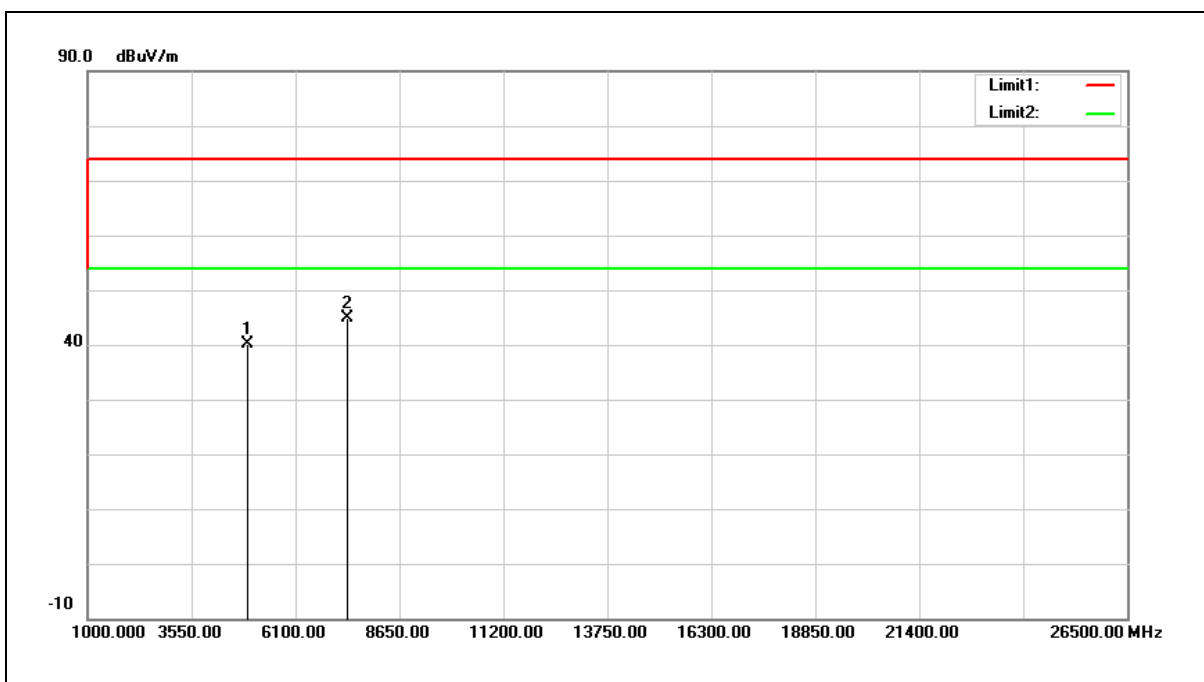
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	32.88	6.28	39.16	74.00	-34.84	peak
2	7386.000	31.88	12.99	44.87	74.00	-29.13	peak

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:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



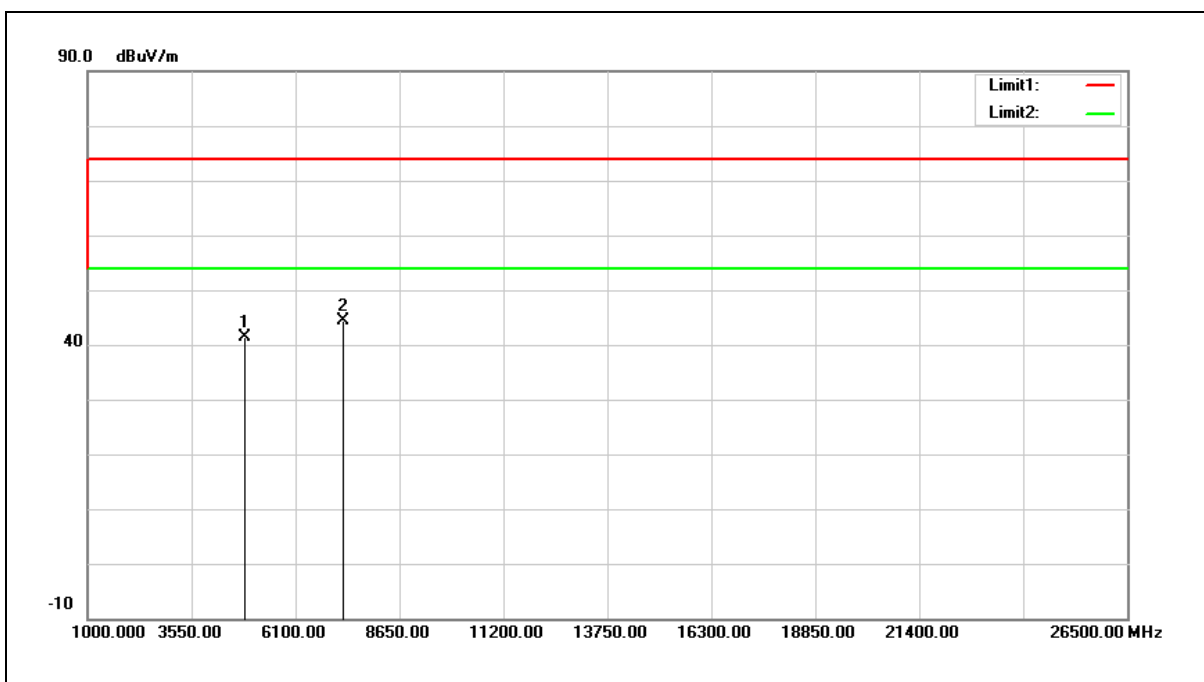
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	33.81	6.28	40.09	74.00	-33.91	peak
2	7386.000	31.96	12.99	44.95	74.00	-29.05	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2422 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



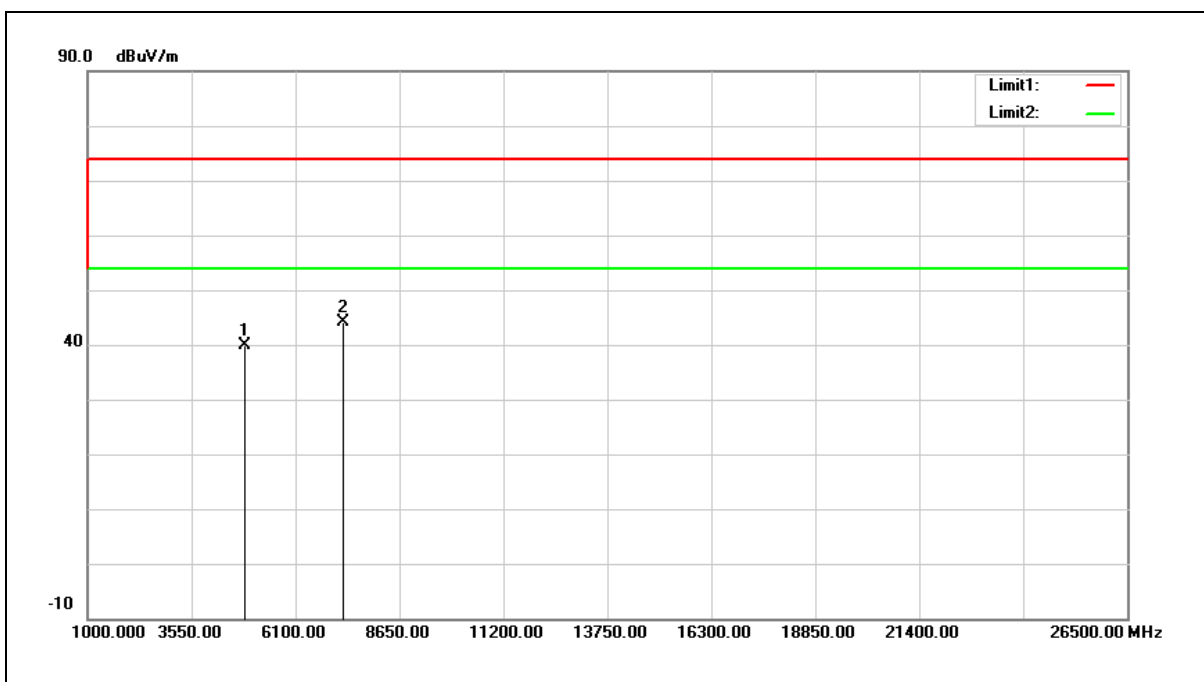
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	35.25	6.04	41.29	74.00	-32.71	peak
2	7266.000	31.86	12.59	44.45	74.00	-29.55	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2422 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		



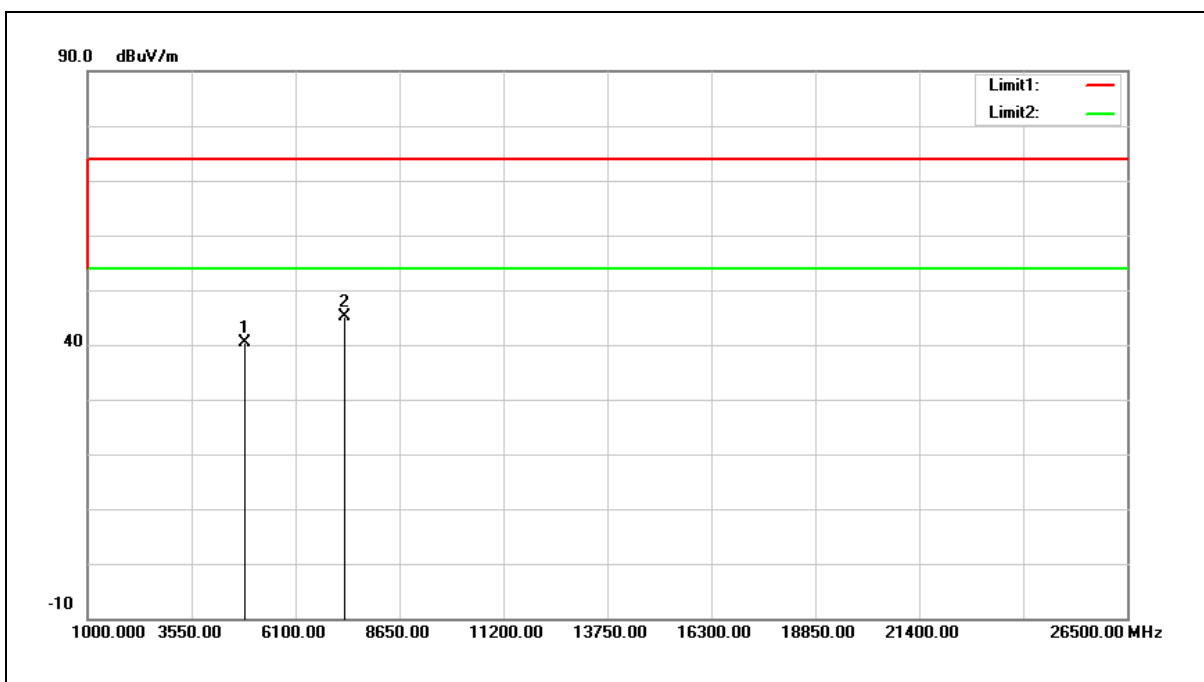
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	33.89	6.04	39.93	74.00	-34.07	peak
2	7266.000	31.50	12.59	44.09	74.00	-29.91	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



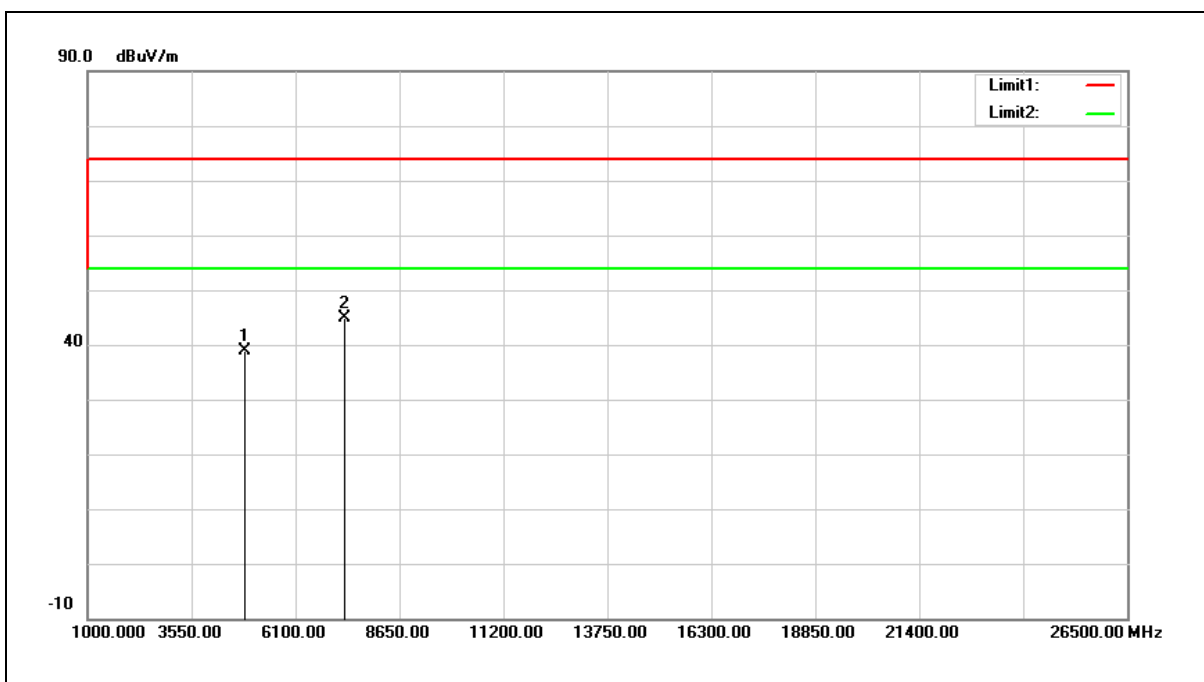
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.14	6.12	40.26	74.00	-33.74	peak
2	7311.000	32.40	12.73	45.13	74.00	-28.87	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2437 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		



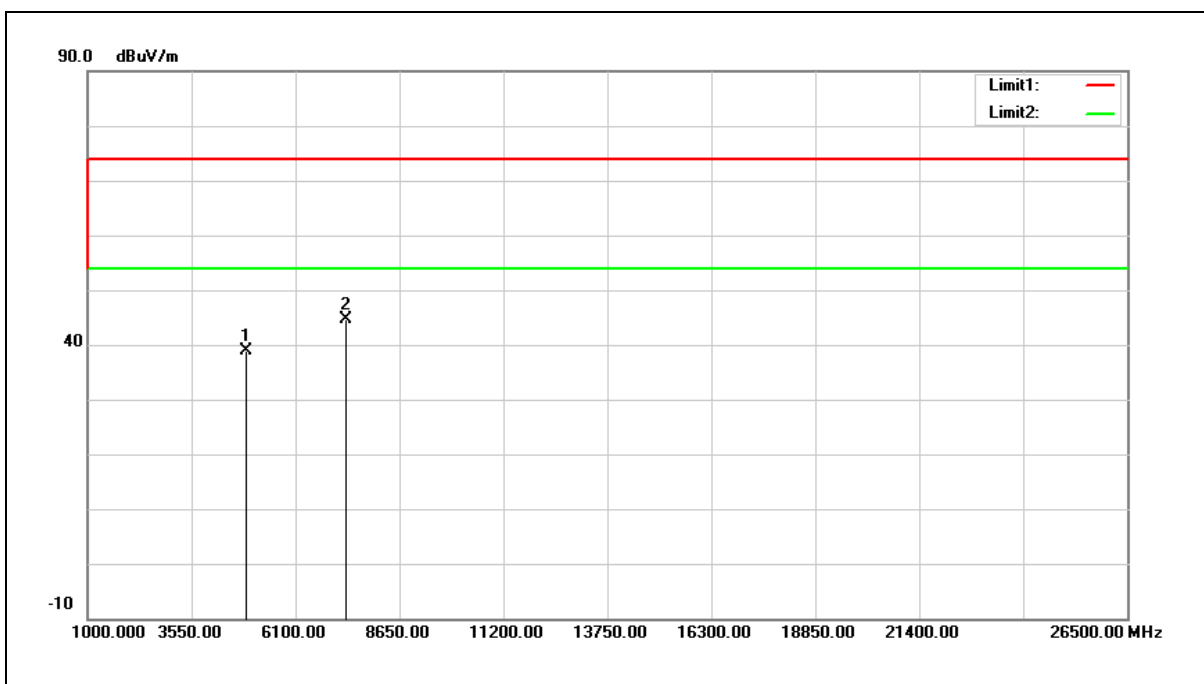
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	32.85	6.12	38.97	74.00	-35.03	peak
2	7311.000	32.26	12.73	44.99	74.00	-29.01	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2452 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



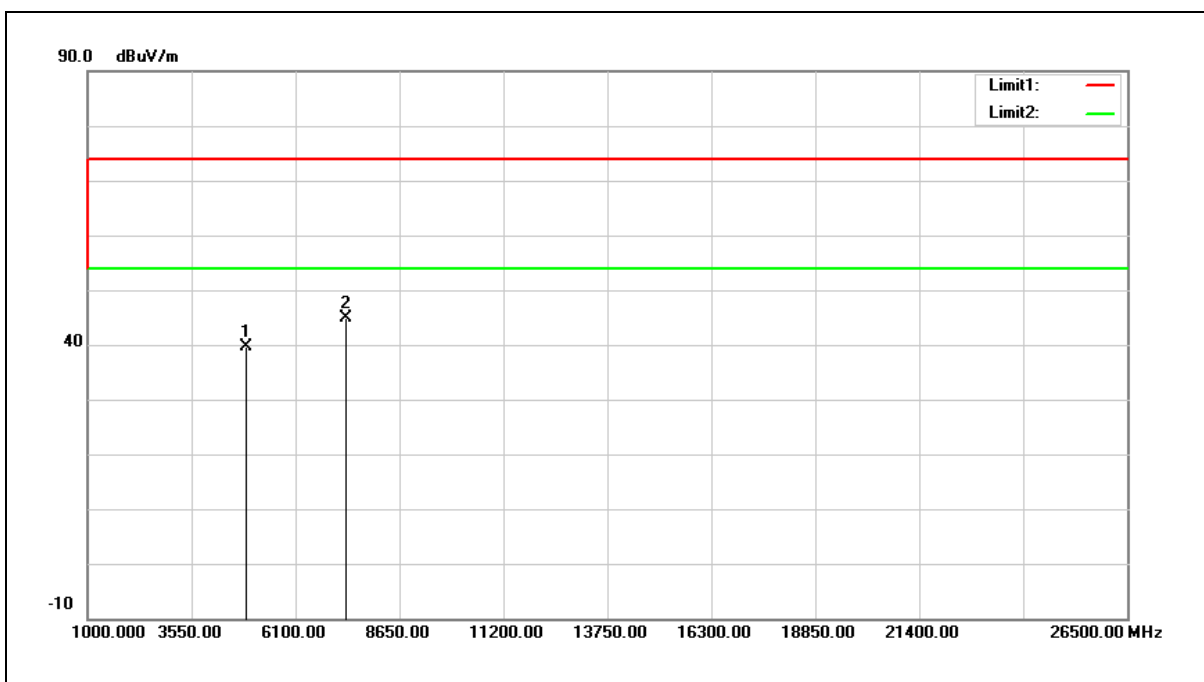
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	32.74	6.21	38.95	74.00	-35.05	peak
2	7356.000	31.86	12.89	44.75	74.00	-29.25	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2452 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		



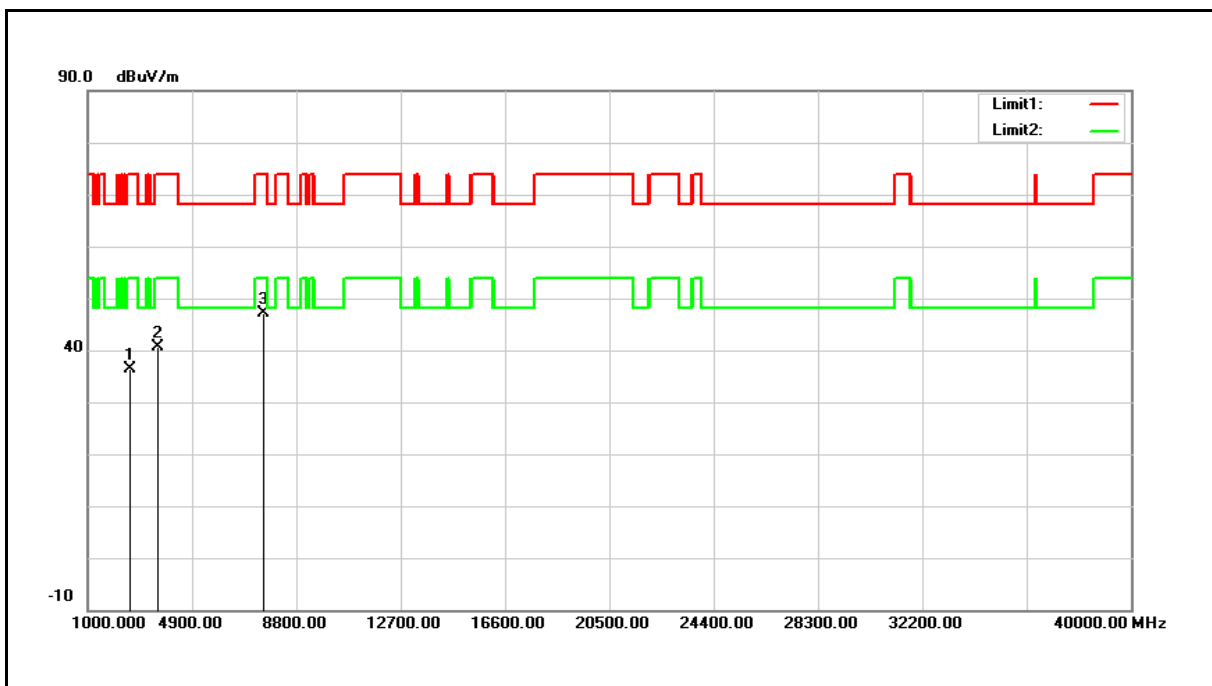
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	33.36	6.21	39.57	74.00	-34.43	peak
2	7356.000	31.87	12.89	44.76	74.00	-29.24	peak

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

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

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

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



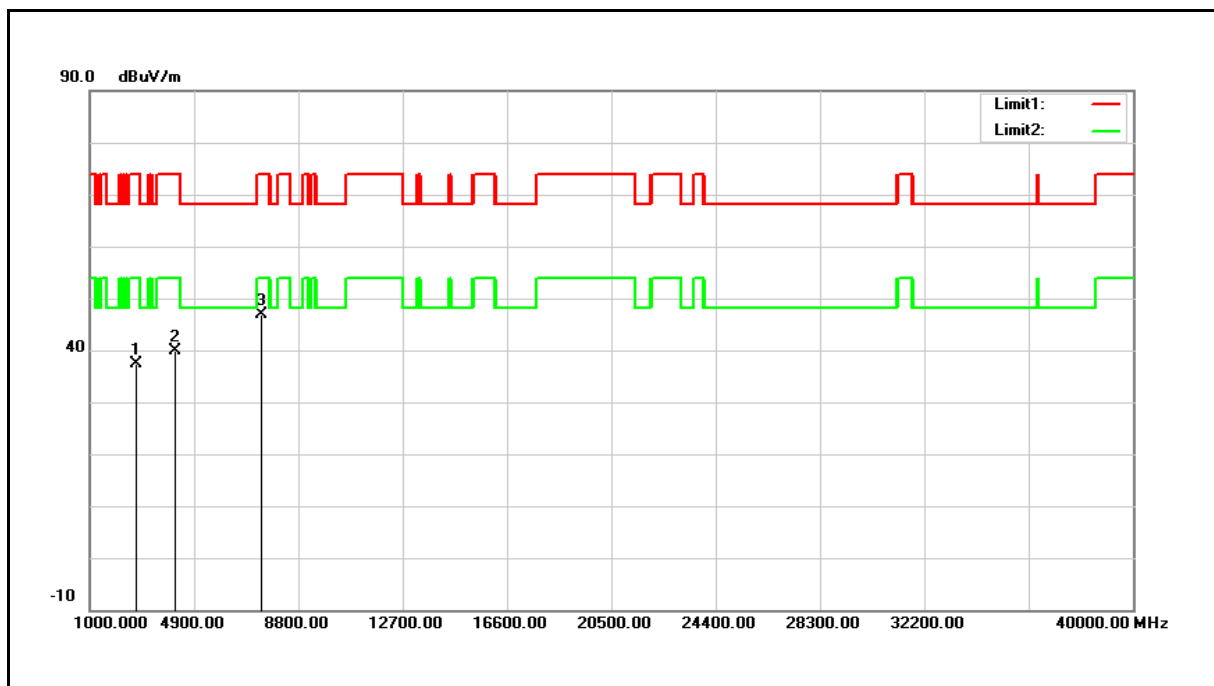
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2547.000	36.62	-0.18	36.44	74.00	-37.56	peak
2	3601.000	37.92	2.60	40.52	74.00	-33.48	peak
3	7562.000	33.71	13.51	47.22	74.00	-26.78	peak

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

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

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

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



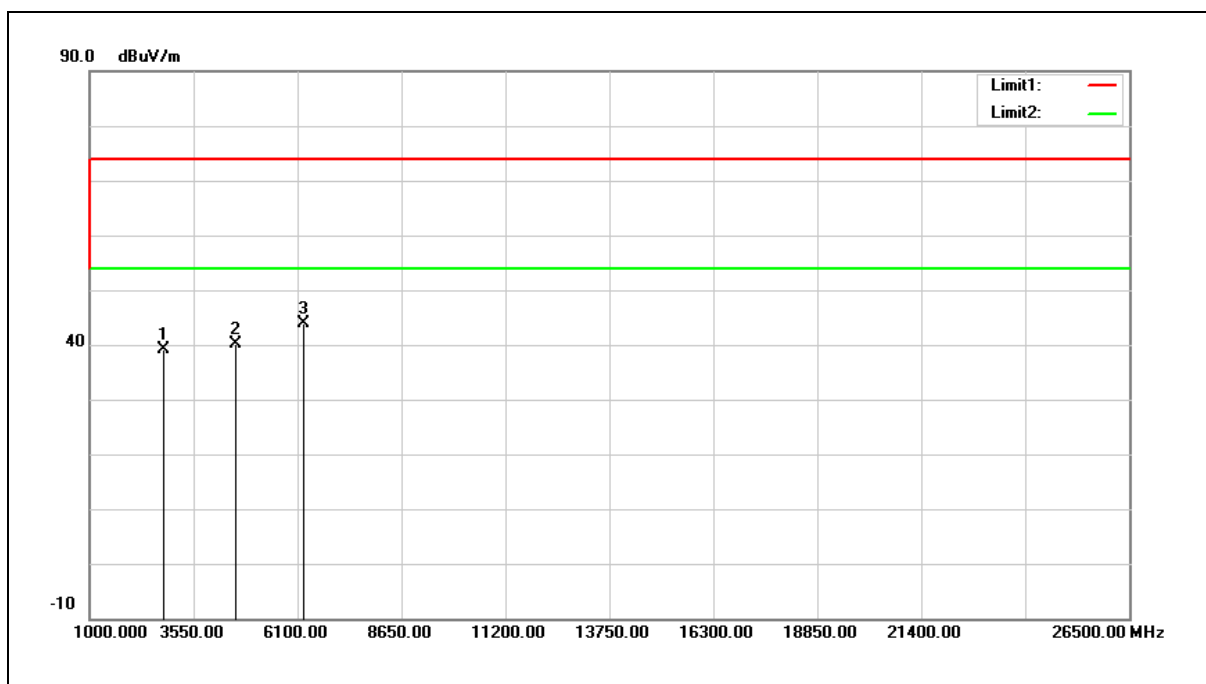
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2734.000	36.92	0.37	37.29	74.00	-36.71	peak
2	4179.000	35.44	4.37	39.81	74.00	-34.19	peak
3	7375.000	33.82	12.94	46.76	74.00	-27.24	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Mode:	Mode 19	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Ant.Polar.:	Horizontal		
Description:			



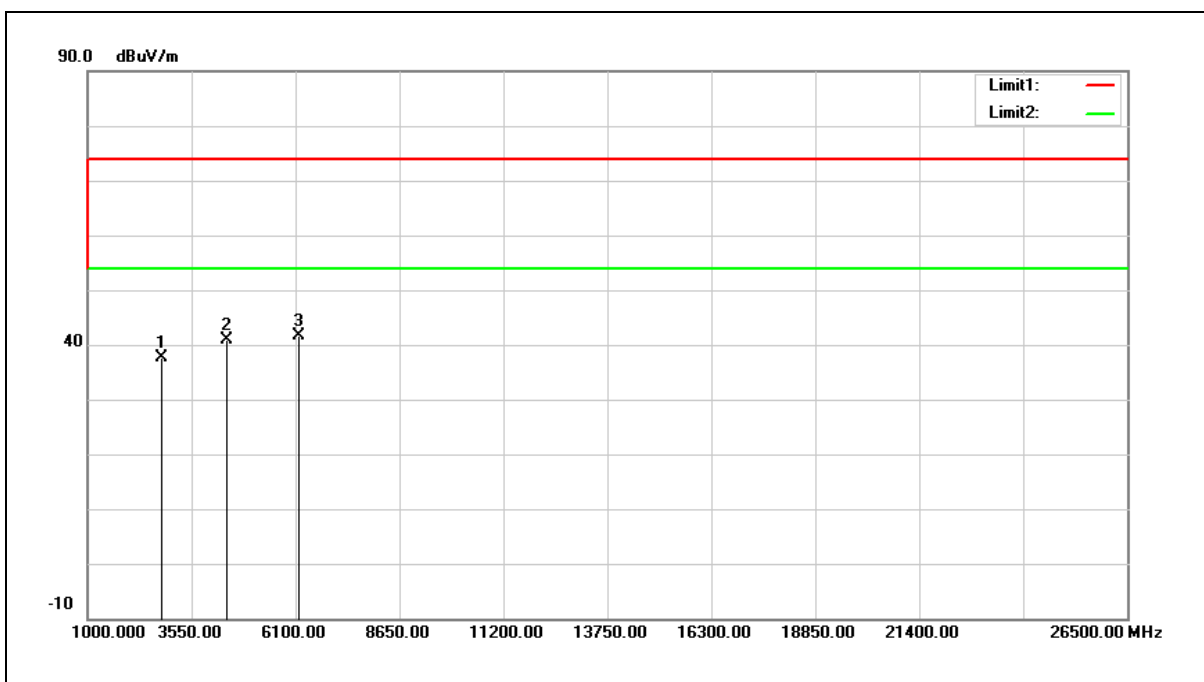
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2802.000	38.47	0.56	39.03	74.00	-34.97	peak
2	4587.000	34.90	5.24	40.14	74.00	-33.86	peak
3	6253.000	34.15	9.69	43.84	74.00	-30.16	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Mode:	Mode 19	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Ant.Polar.:	Vertical		
Description:			



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2802.000	36.95	0.56	37.51	74.00	-36.49	peak
2	4417.000	35.93	4.83	40.76	74.00	-33.24	peak
3	6185.000	32.26	9.49	41.75	74.00	-32.25	peak

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

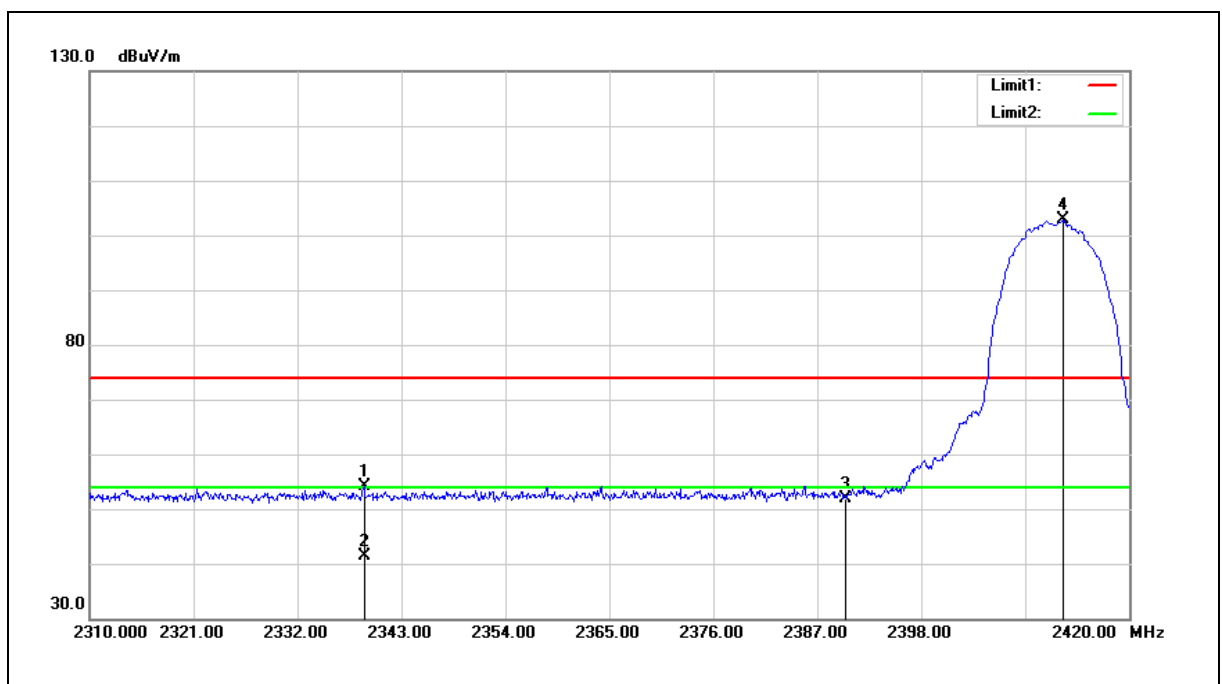
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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

頻帶邊緣

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

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



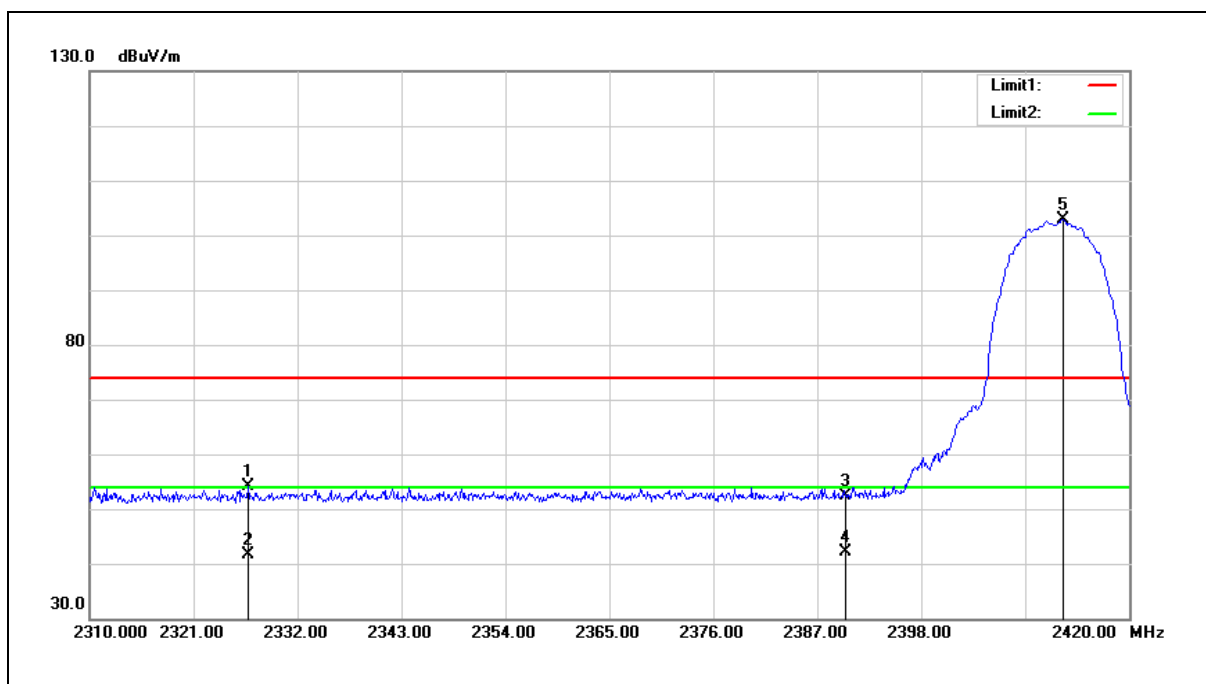
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2339.040	55.23	-1.13	54.10	74.00	-19.90	peak
2	2339.040	42.51	-1.13	41.38	54.00	-12.62	AVG
3	2390.000	52.65	-0.87	51.78	74.00	-22.22	peak
4	2413.070	103.52	-0.76	102.76	--	--	peak

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

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

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

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



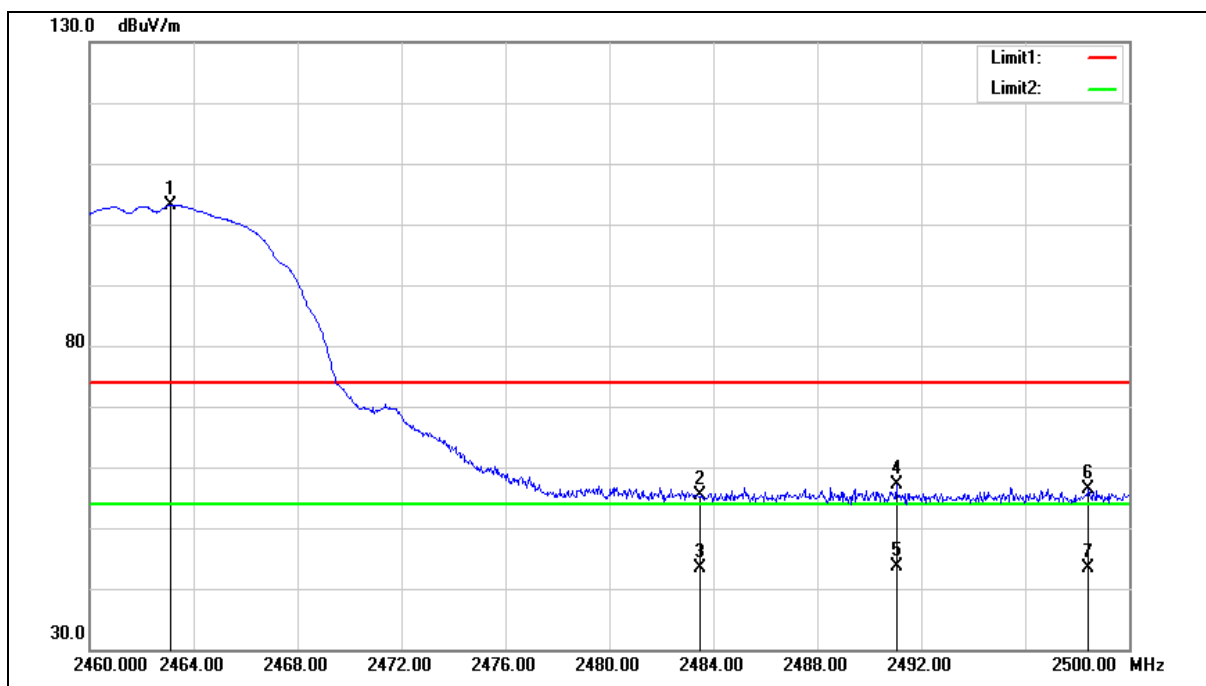
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2326.830	55.37	-1.19	54.18	74.00	-19.82	peak
2	2326.830	42.78	-1.19	41.59	54.00	-12.41	AVG
3	2390.000	53.22	-0.87	52.35	74.00	-21.65	peak
4	2390.000	42.97	-0.87	42.10	54.00	-11.90	AVG
5	2412.960	103.71	-0.76	102.95	--	--	peak

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

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

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

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



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

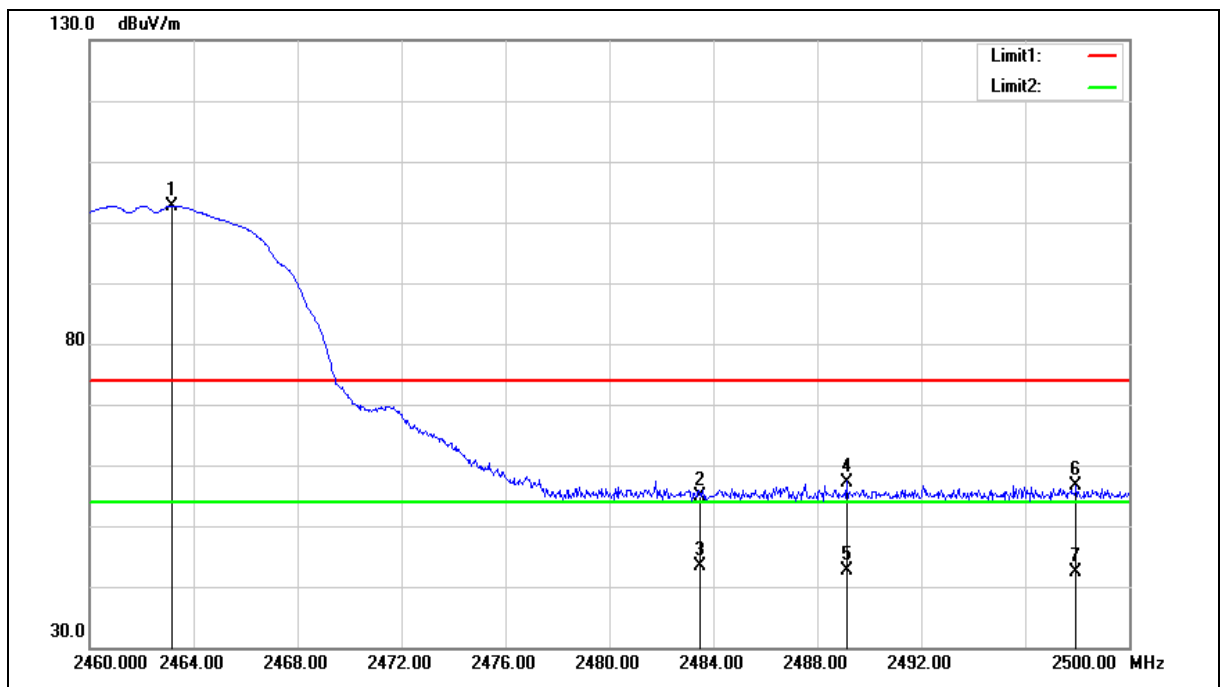
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.120	103.68	-0.50	103.18	--	--	peak
2	2483.500	55.72	-0.40	55.32	74.00	-18.68	peak
3	2483.500	43.75	-0.40	43.35	54.00	-10.65	AVG
4	2491.040	57.52	-0.36	57.16	74.00	-16.84	peak
5	2491.040	43.90	-0.36	43.54	54.00	-10.46	AVG
6	2498.440	56.66	-0.32	56.34	74.00	-17.66	peak
7	2498.440	43.61	-0.32	43.29	54.00	-10.71	AVG

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

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

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

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



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

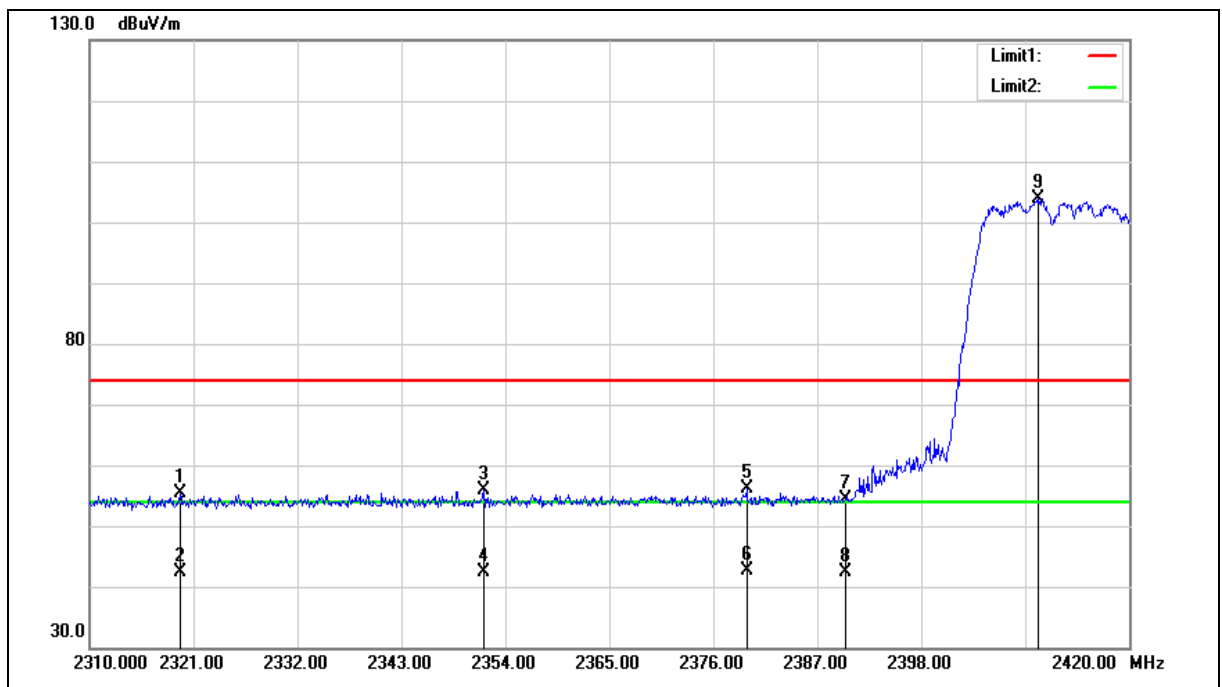
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.160	103.20	-0.50	102.70	--	--	peak
2	2483.500	55.16	-0.40	54.76	74.00	-19.24	peak
3	2483.500	43.71	-0.40	43.31	54.00	-10.69	AVG
4	2489.120	57.62	-0.37	57.25	74.00	-16.75	peak
5	2489.120	42.96	-0.37	42.59	54.00	-11.41	AVG
6	2497.960	56.97	-0.32	56.65	74.00	-17.35	peak
7	2497.960	42.68	-0.32	42.36	54.00	-11.64	AVG

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

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

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

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



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

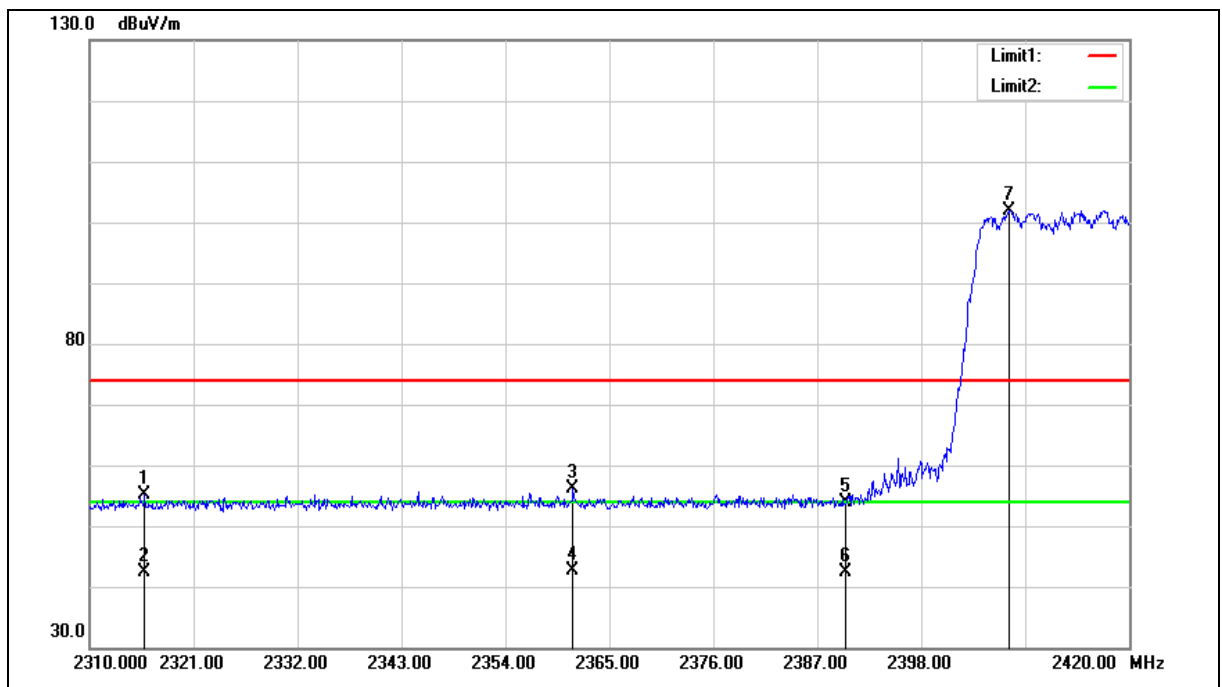
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2319.570	56.72	-1.22	55.50	74.00	-18.50	peak
2	2319.570	43.56	-1.22	42.34	54.00	-11.66	AVG
3	2351.690	57.05	-1.06	55.99	74.00	-18.01	peak
4	2351.690	43.48	-1.06	42.42	54.00	-11.58	AVG
5	2379.520	56.98	-0.93	56.05	74.00	-17.95	peak
6	2379.520	43.53	-0.93	42.60	54.00	-11.40	AVG
7	2390.000	55.25	-0.87	54.38	74.00	-19.62	peak
8	2390.000	43.36	-0.87	42.49	54.00	-11.51	AVG
9	2410.430	104.62	-0.76	103.86	--	--	peak

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

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

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

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



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

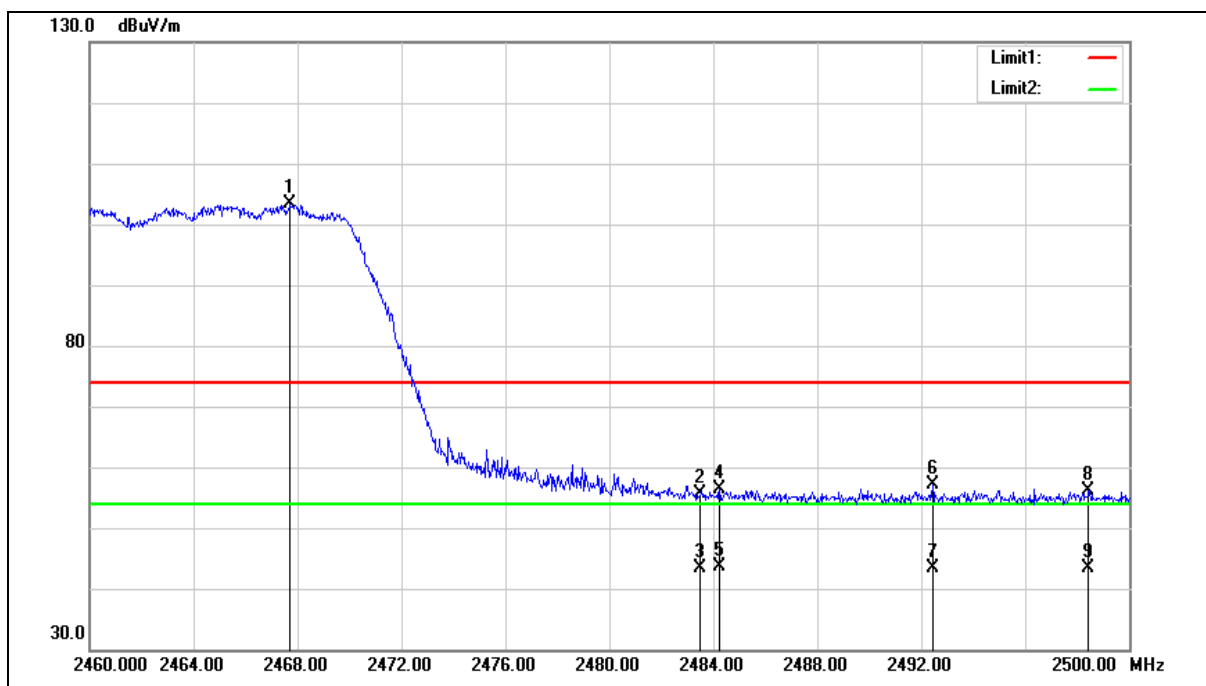
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2315.830	56.36	-1.25	55.11	74.00	-18.89	peak
2	2315.830	43.62	-1.25	42.37	54.00	-11.63	AVG
3	2361.150	57.05	-1.02	56.03	74.00	-17.97	peak
4	2361.150	43.60	-1.02	42.58	54.00	-11.42	AVG
5	2390.000	54.68	-0.87	53.81	74.00	-20.19	peak
6	2390.000	43.33	-0.87	42.46	54.00	-11.54	AVG
7	2407.240	102.76	-0.79	101.97	--	--	peak

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

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

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

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



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

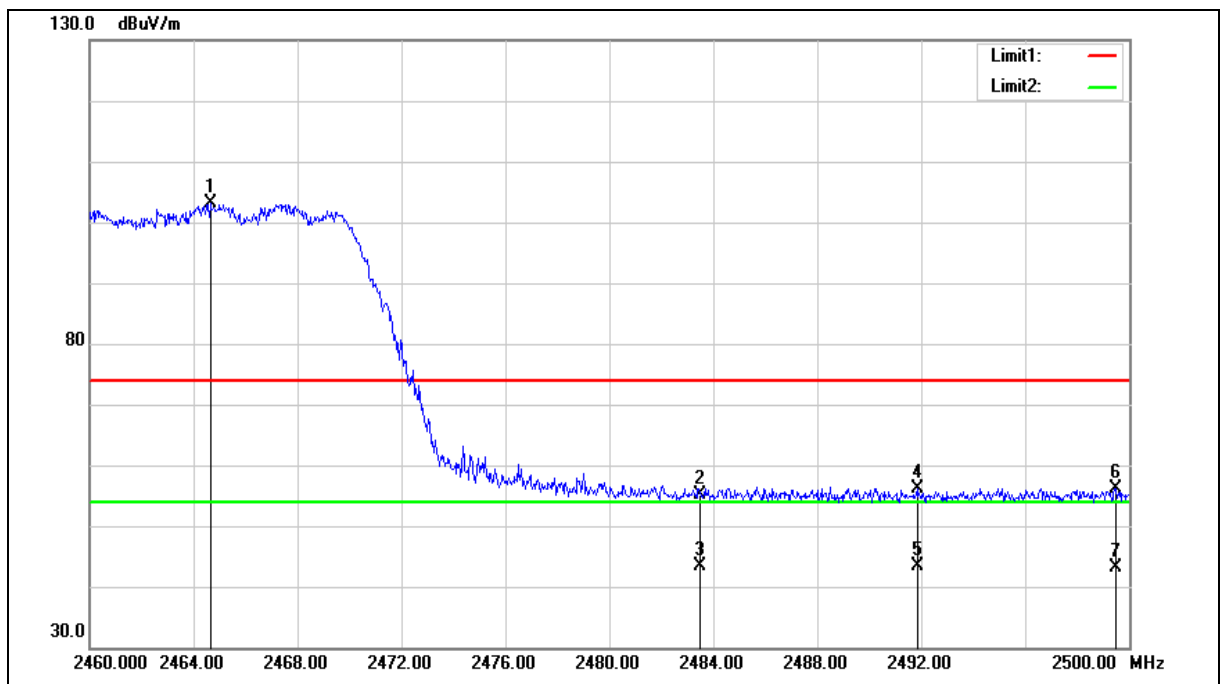
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2467.720	103.84	-0.48	103.36	--	--	peak
2	2483.500	56.09	-0.40	55.69	74.00	-18.31	peak
3	2483.500	43.78	-0.40	43.38	54.00	-10.62	AVG
4	2484.240	56.79	-0.39	56.40	74.00	-17.60	peak
5	2484.240	43.96	-0.39	43.57	54.00	-10.43	AVG
6	2492.440	57.58	-0.35	57.23	74.00	-16.77	peak
7	2492.440	43.82	-0.35	43.47	54.00	-10.53	AVG
8	2498.440	56.45	-0.32	56.13	74.00	-17.87	peak
9	2498.440	43.64	-0.32	43.32	54.00	-10.68	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:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 3		
Ant.Polar.:	Vertical		



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

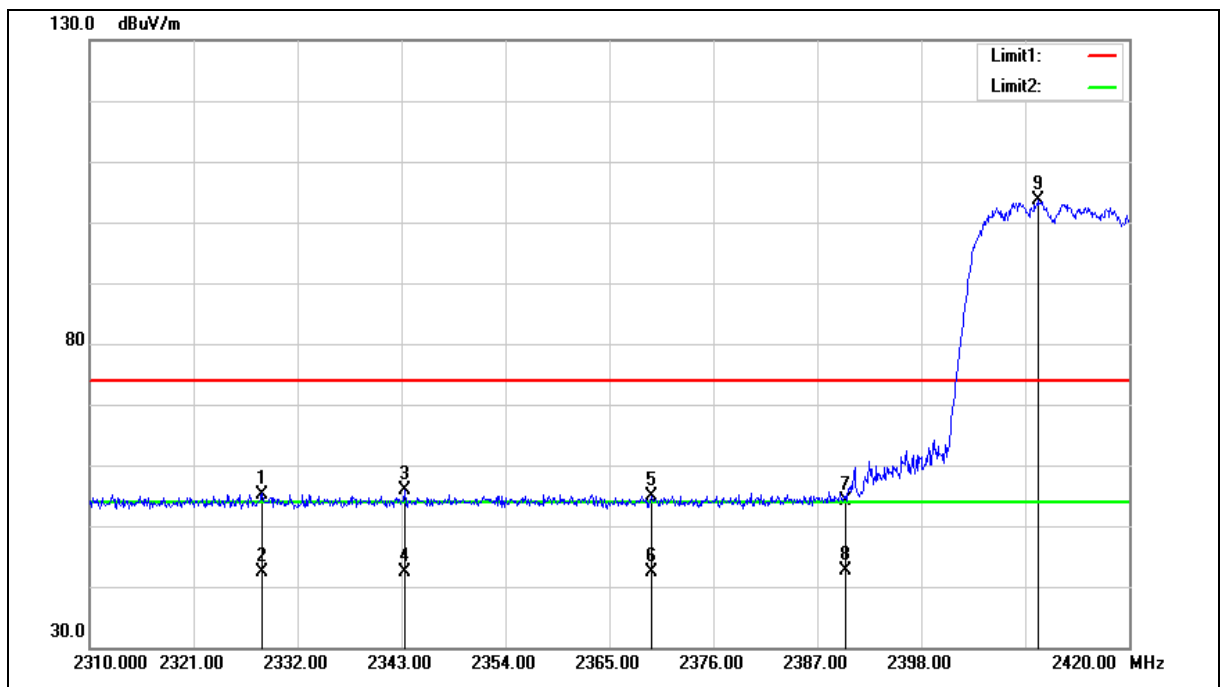
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2464.640	103.60	-0.49	103.11	--	--	peak
2	2483.500	55.63	-0.40	55.23	74.00	-18.77	peak
3	2483.500	43.67	-0.40	43.27	54.00	-10.73	AVG
4	2491.840	56.60	-0.35	56.25	74.00	-17.75	peak
5	2491.840	43.75	-0.35	43.40	54.00	-10.60	AVG
6	2499.480	56.53	-0.31	56.22	74.00	-17.78	peak
7	2499.480	43.50	-0.31	43.19	54.00	-10.81	AVG

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

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

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

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



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

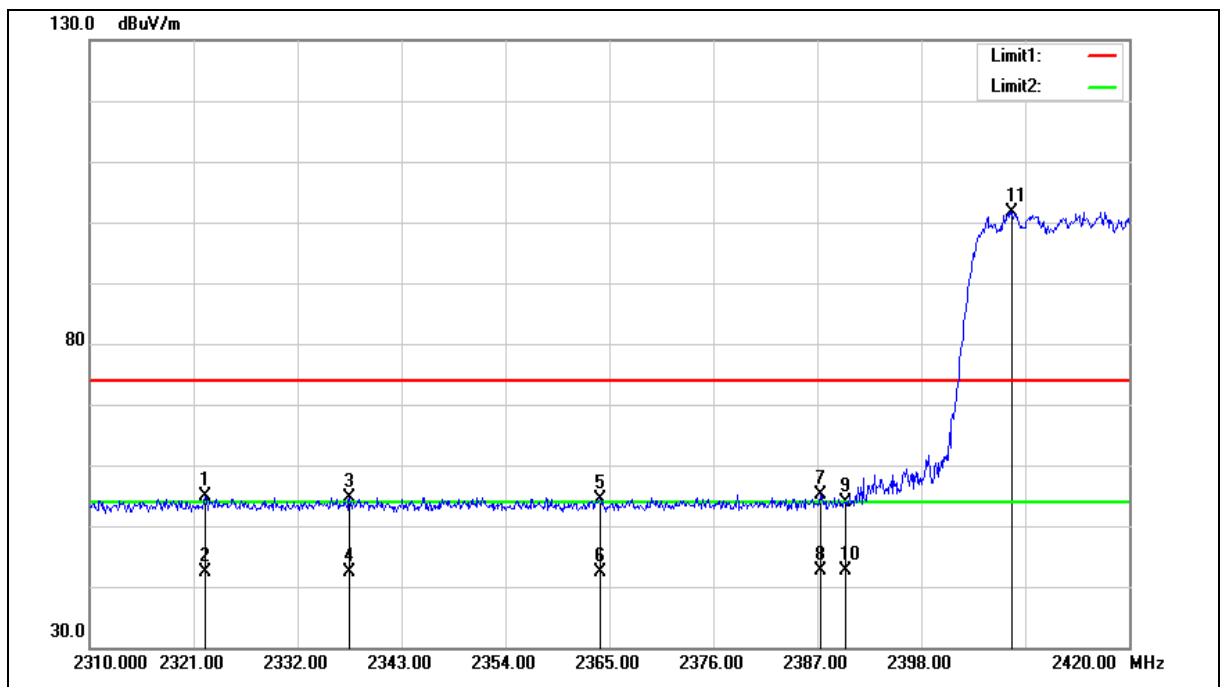
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2328.260	56.43	-1.18	55.25	74.00	-18.75	peak
2	2328.260	43.58	-1.18	42.40	54.00	-11.60	AVG
3	2343.330	56.99	-1.10	55.89	74.00	-18.11	peak
4	2343.330	43.46	-1.10	42.36	54.00	-11.64	AVG
5	2369.510	55.97	-0.97	55.00	74.00	-19.00	peak
6	2369.510	43.45	-0.97	42.48	54.00	-11.52	AVG
7	2390.000	55.06	-0.87	54.19	74.00	-19.81	peak
8	2390.000	43.44	-0.87	42.57	54.00	-11.43	AVG
9	2410.320	104.40	-0.76	103.64	--	--	peak

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

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

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

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



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

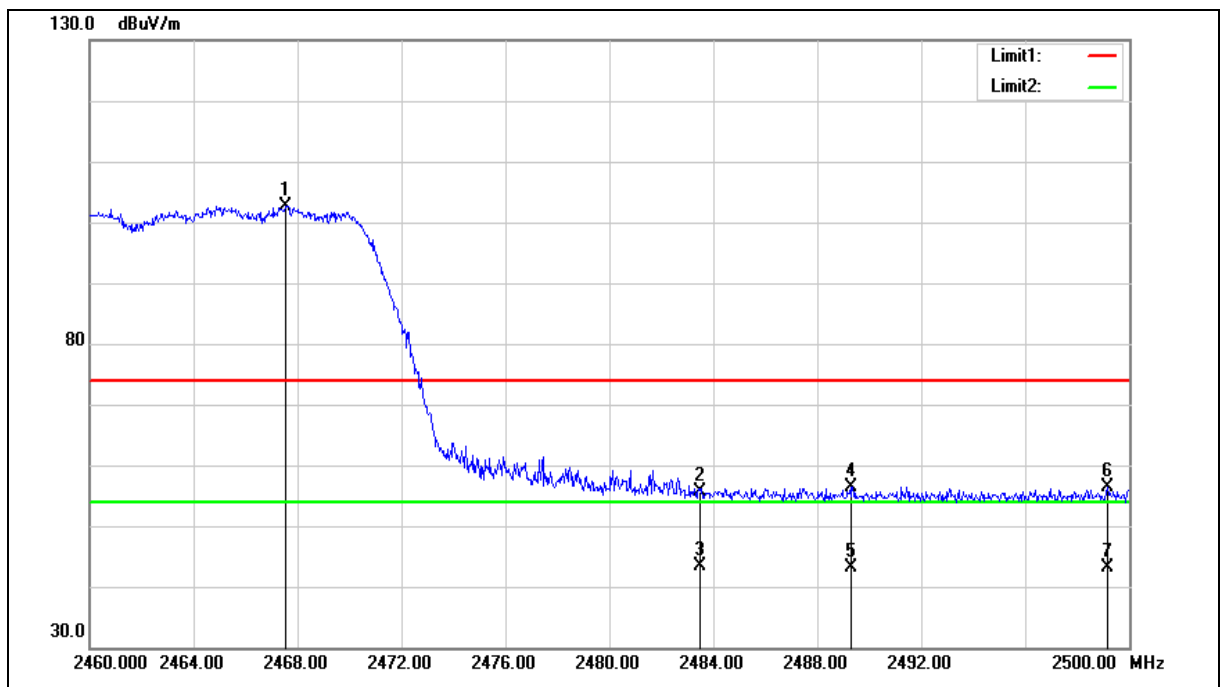
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2322.210	56.03	-1.21	54.82	74.00	-19.18	peak
2	2322.210	43.57	-1.21	42.36	54.00	-11.64	AVG
3	2337.500	55.87	-1.13	54.74	74.00	-19.26	peak
4	2337.500	43.41	-1.13	42.28	54.00	-11.72	AVG
5	2364.010	55.48	-1.00	54.48	74.00	-19.52	peak
6	2364.010	43.40	-1.00	42.40	54.00	-11.60	AVG
7	2387.330	56.09	-0.88	55.21	74.00	-18.79	peak
8	2387.330	43.50	-0.88	42.62	54.00	-11.38	AVG
9	2390.000	54.75	-0.87	53.88	74.00	-20.12	peak
10	2390.000	43.44	-0.87	42.57	54.00	-11.43	AVG
11	2407.570	102.52	-0.78	101.74	--	--	peak

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

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

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

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



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

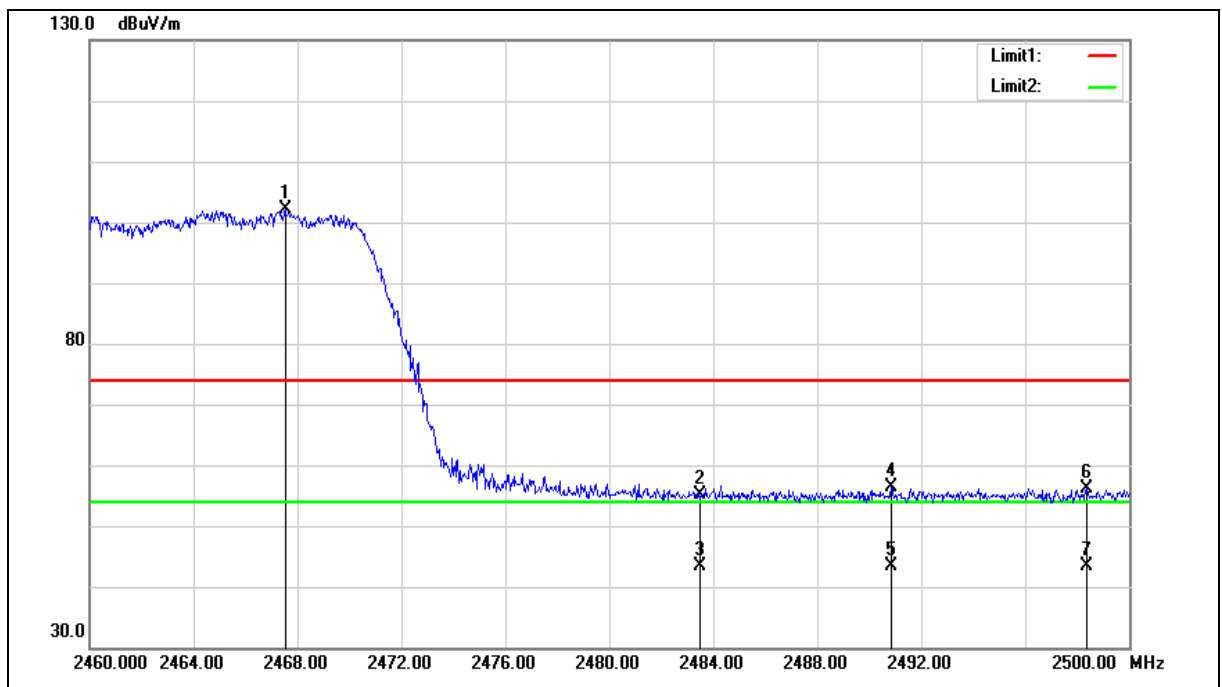
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2467.560	103.22	-0.48	102.74	--	--	peak
2	2483.500	56.14	-0.40	55.74	74.00	-18.26	peak
3	2483.500	43.72	-0.40	43.32	54.00	-10.68	AVG
4	2489.280	56.84	-0.37	56.47	74.00	-17.53	peak
5	2489.280	43.62	-0.37	43.25	54.00	-10.75	AVG
6	2499.160	56.57	-0.31	56.26	74.00	-17.74	peak
7	2499.160	43.45	-0.31	43.14	54.00	-10.86	AVG

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

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

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

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



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

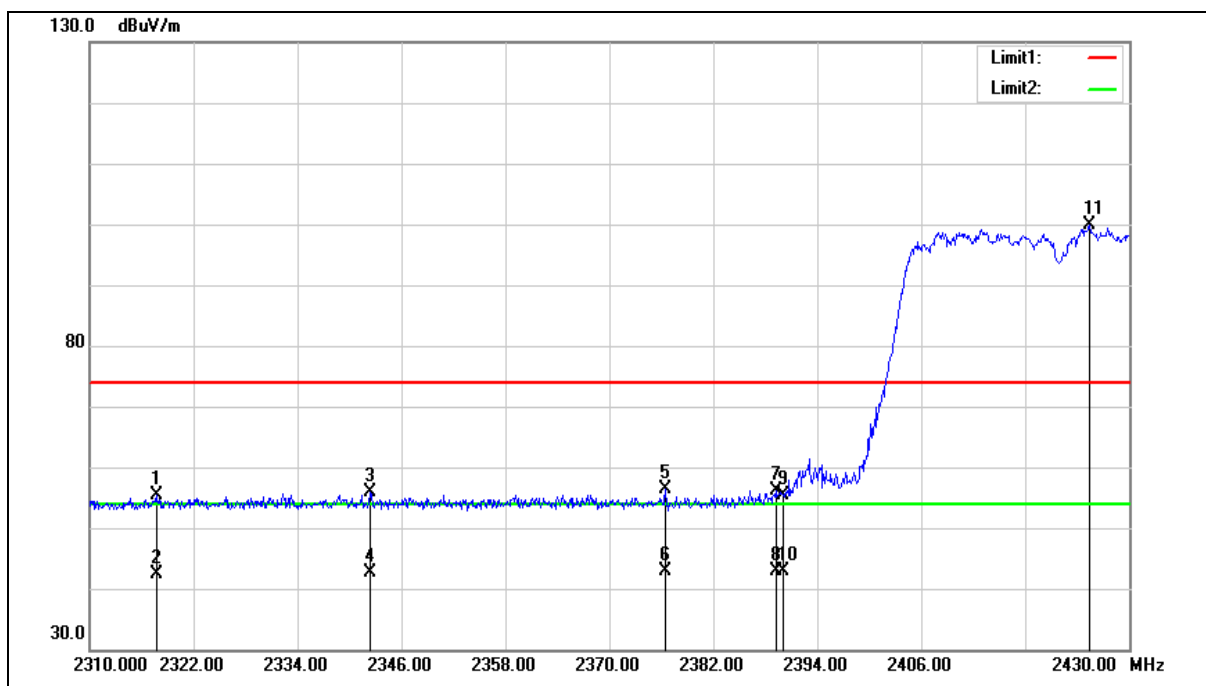
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2467.520	102.56	-0.48	102.08	--	--	peak
2	2483.500	55.44	-0.40	55.04	74.00	-18.96	peak
3	2483.500	43.76	-0.40	43.36	54.00	-10.64	AVG
4	2490.840	56.75	-0.36	56.39	74.00	-17.61	peak
5	2490.840	43.85	-0.36	43.49	54.00	-10.51	AVG
6	2498.360	56.47	-0.32	56.15	74.00	-17.85	peak
7	2498.360	43.82	-0.32	43.50	54.00	-10.50	AVG

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

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

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

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



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

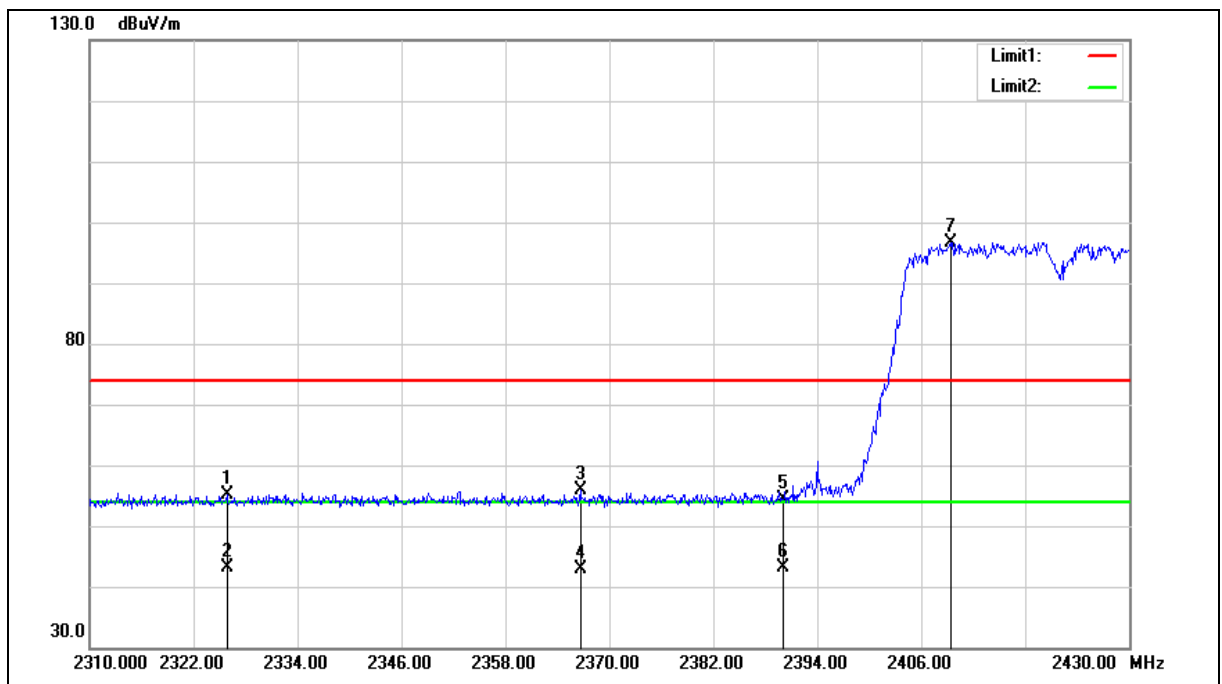
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2317.680	56.59	-1.23	55.36	74.00	-18.64	peak
2	2317.680	43.73	-1.23	42.50	54.00	-11.50	AVG
3	2342.400	57.07	-1.11	55.96	74.00	-18.04	peak
4	2342.400	43.79	-1.11	42.68	54.00	-11.32	AVG
5	2376.480	57.32	-0.94	56.38	74.00	-17.62	peak
6	2376.480	43.70	-0.94	42.76	54.00	-11.24	AVG
7	2389.200	56.90	-0.88	56.02	74.00	-17.98	peak
8	2389.200	43.73	-0.88	42.85	54.00	-11.15	AVG
9	2390.000	56.29	-0.87	55.42	74.00	-18.58	peak
10	2390.000	43.80	-0.87	42.93	54.00	-11.07	AVG
11	2425.440	100.60	-0.69	99.91	--	--	peak

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

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

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

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



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

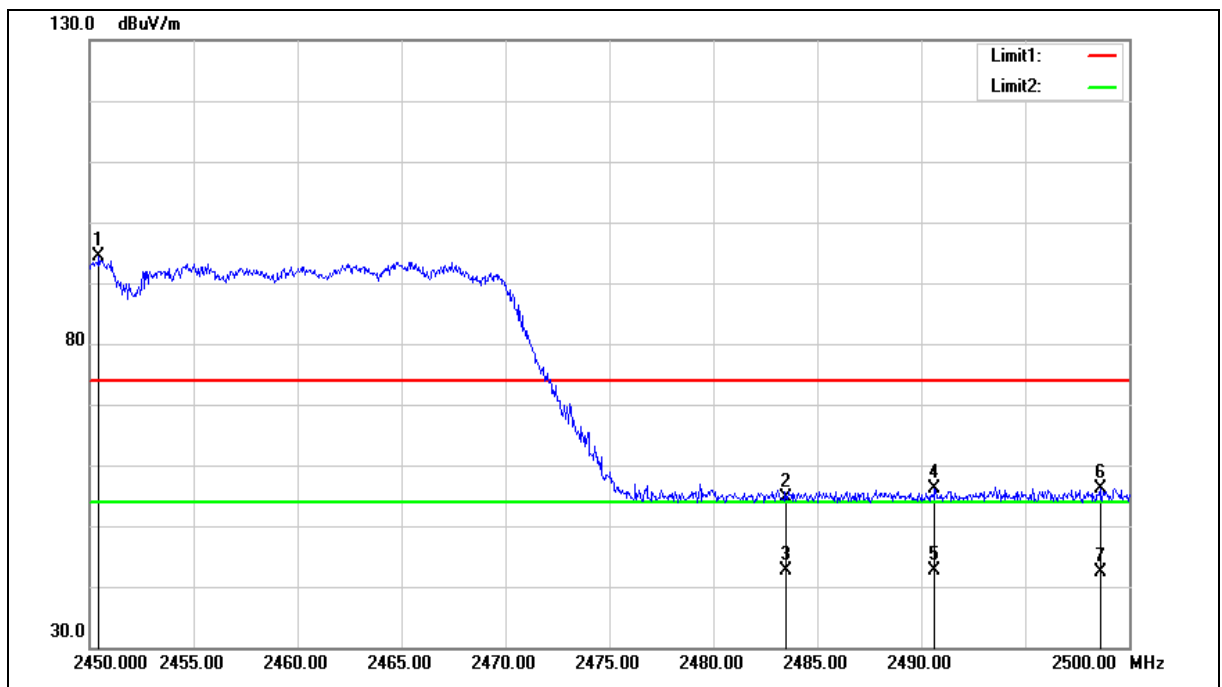
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2325.840	56.44	-1.19	55.25	74.00	-18.75	peak
2	2325.840	44.29	-1.19	43.10	54.00	-10.90	AVG
3	2366.640	56.96	-0.99	55.97	74.00	-18.03	peak
4	2366.640	43.95	-0.99	42.96	54.00	-11.04	AVG
5	2390.000	55.20	-0.87	54.33	74.00	-19.67	peak
6	2390.000	43.92	-0.87	43.05	54.00	-10.95	AVG
7	2409.360	97.42	-0.78	96.64	--	--	peak

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

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

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

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



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

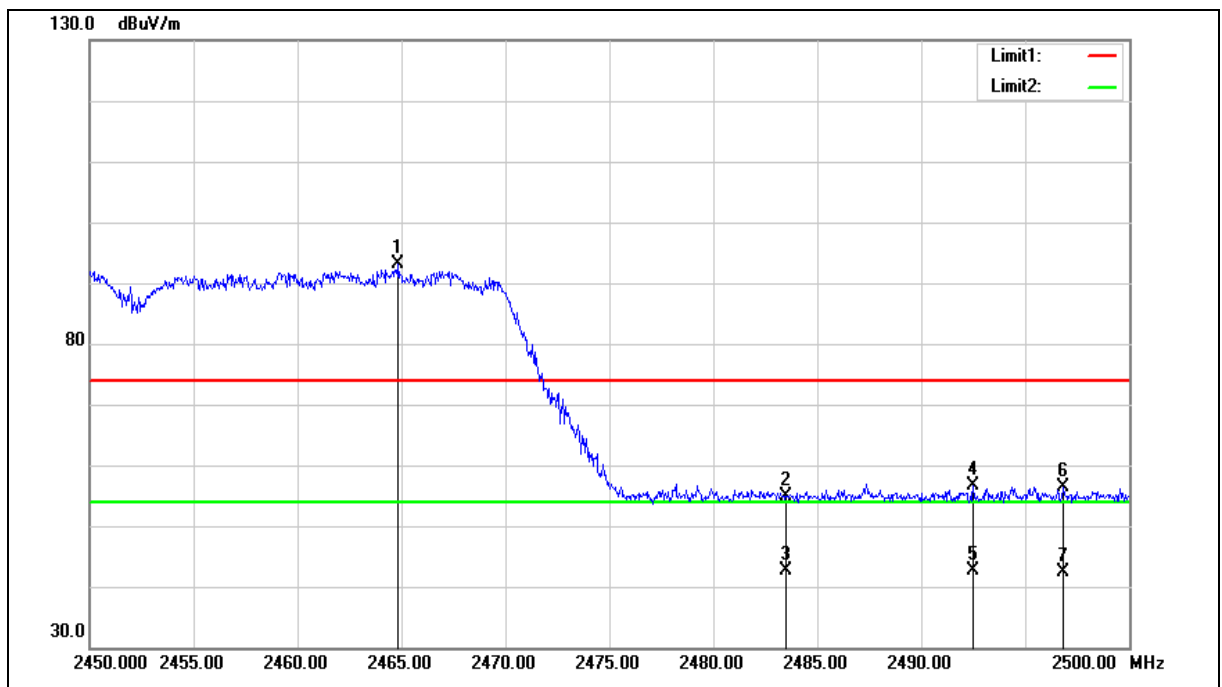
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2450.450	94.84	-0.57	94.27	--	--	peak
2	2483.500	55.07	-0.40	54.67	74.00	-19.33	peak
3	2483.500	43.01	-0.40	42.61	54.00	-11.39	AVG
4	2490.650	56.41	-0.36	56.05	74.00	-17.95	peak
5	2490.650	42.89	-0.36	42.53	54.00	-11.47	AVG
6	2498.600	56.49	-0.31	56.18	74.00	-17.82	peak
7	2498.600	42.75	-0.31	42.44	54.00	-11.56	AVG

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

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

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

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



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

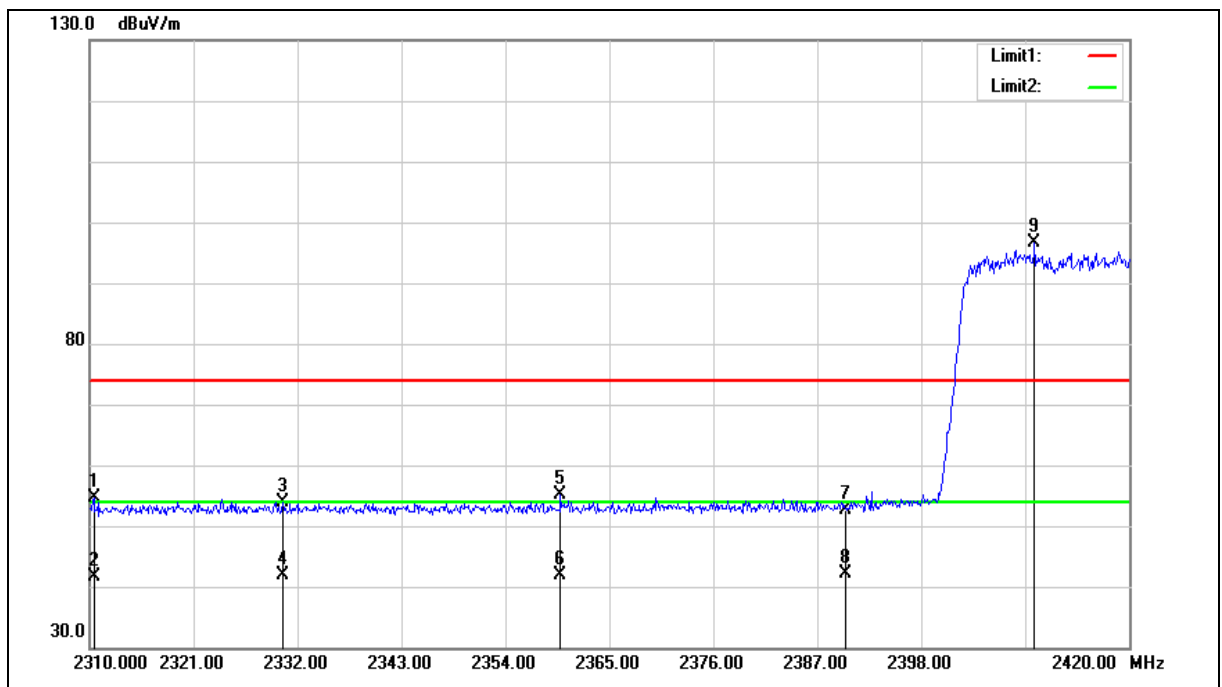
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2464.850	93.51	-0.49	93.02	--	--	peak
2	2483.500	55.31	-0.40	54.91	74.00	-19.09	peak
3	2483.500	43.02	-0.40	42.62	54.00	-11.38	AVG
4	2492.500	56.90	-0.35	56.55	74.00	-17.45	peak
5	2492.500	42.86	-0.35	42.51	54.00	-11.49	AVG
6	2496.850	56.79	-0.33	56.46	74.00	-17.54	peak
7	2496.850	42.76	-0.33	42.43	54.00	-11.57	AVG

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		

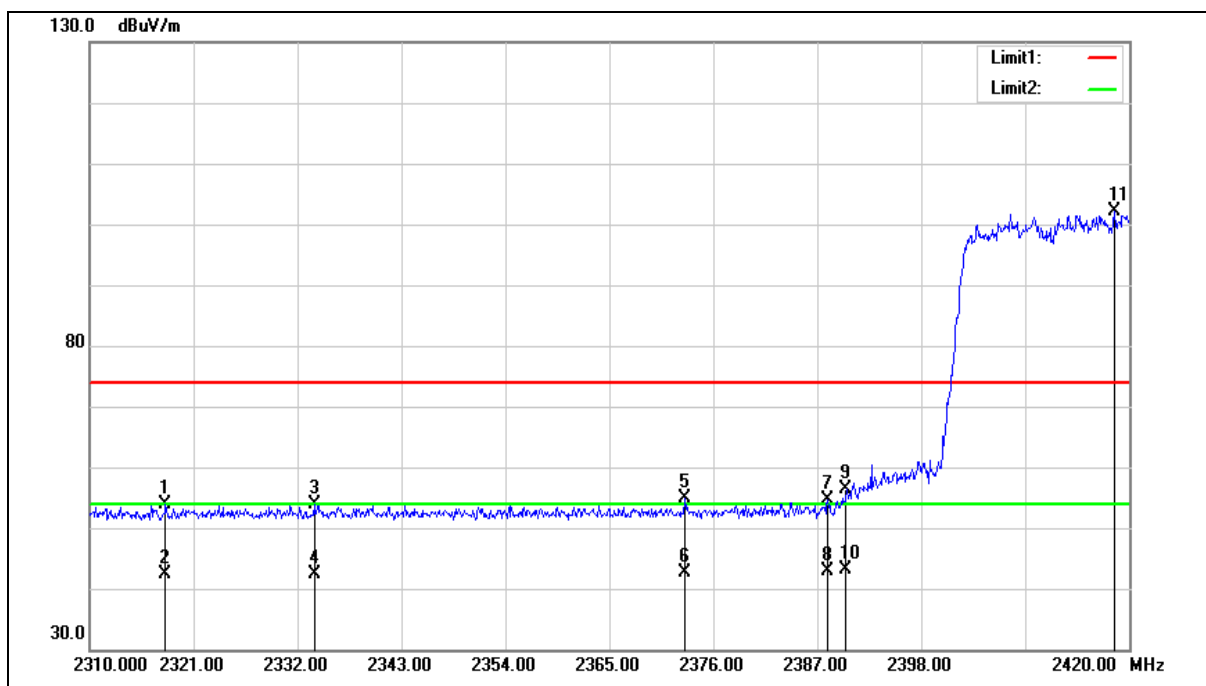
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2310.440	55.87	-1.27	54.60	74.00	-19.40	peak
2	2310.440	42.90	-1.27	41.63	54.00	-12.37	AVG
3	2330.460	55.00	-1.17	53.83	74.00	-20.17	peak
4	2330.460	42.99	-1.17	41.82	54.00	-12.18	AVG
5	2359.830	56.20	-1.03	55.17	74.00	-18.83	peak
6	2359.830	42.93	-1.03	41.90	54.00	-12.10	AVG
7	2390.000	53.45	-0.87	52.58	74.00	-21.42	peak
8	2390.000	42.89	-0.87	42.02	54.00	-11.98	AVG
9	2409.990	97.52	-0.77	96.75	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2412 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		

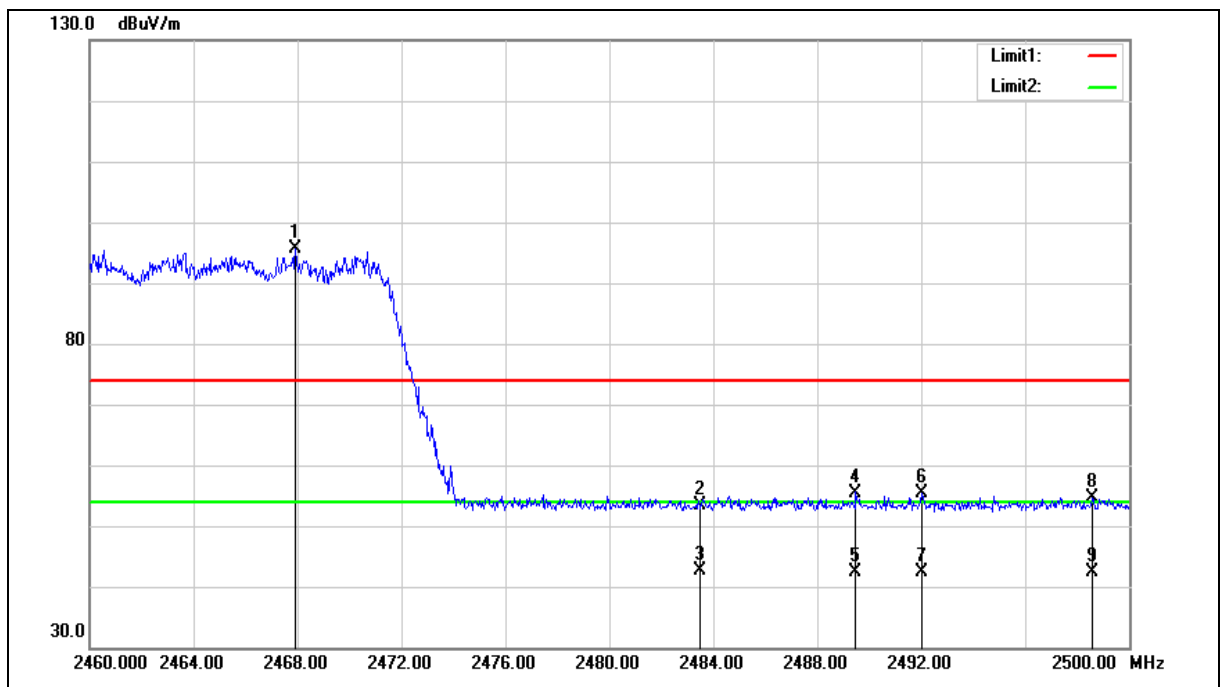
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2318.030	55.00	-1.23	53.77	74.00	-20.23	peak
2	2318.030	43.58	-1.23	42.35	54.00	-11.65	AVG
3	2333.760	55.13	-1.16	53.97	74.00	-20.03	peak
4	2333.760	43.62	-1.16	42.46	54.00	-11.54	AVG
5	2373.030	55.82	-0.96	54.86	74.00	-19.14	peak
6	2373.030	43.47	-0.96	42.51	54.00	-11.49	AVG
7	2388.100	55.43	-0.88	54.55	74.00	-19.45	peak
8	2388.100	43.80	-0.88	42.92	54.00	-11.08	AVG
9	2390.000	57.37	-0.87	56.50	74.00	-17.50	peak
10	2390.000	44.10	-0.87	43.23	54.00	-10.77	AVG
11	2418.460	102.81	-0.73	102.08	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Horizontal		

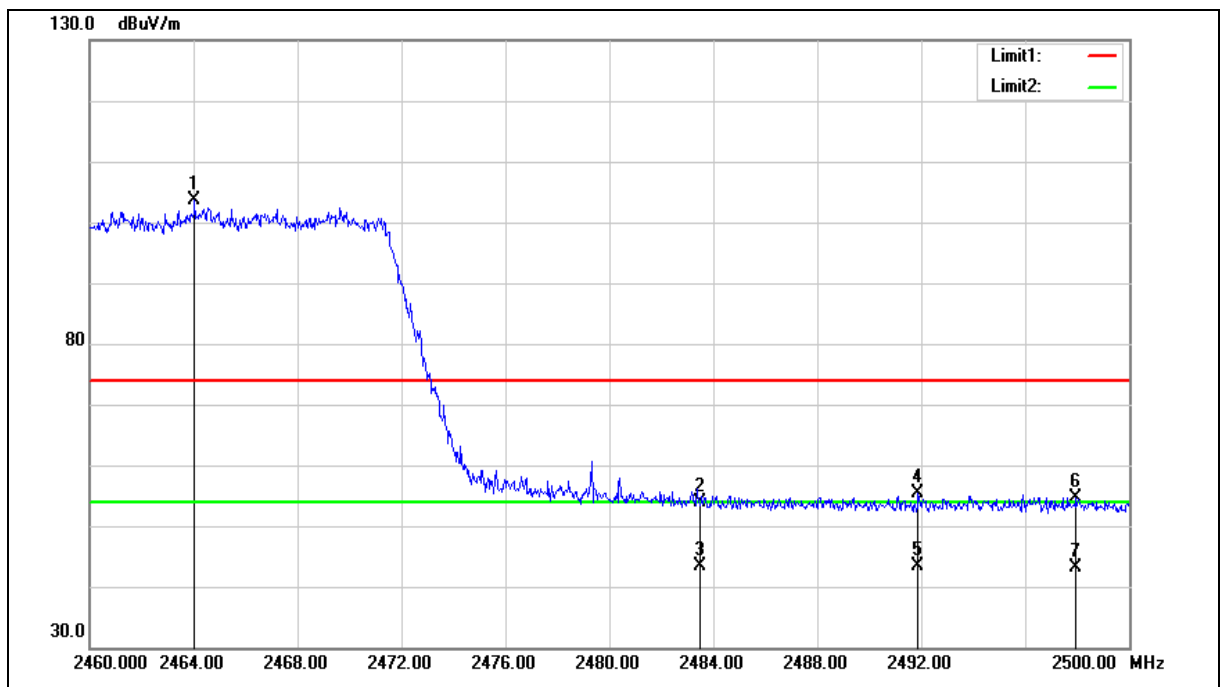
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2467.920	96.00	-0.48	95.52	--	--	peak
2	2483.500	53.75	-0.40	53.35	74.00	-20.65	peak
3	2483.500	42.91	-0.40	42.51	54.00	-11.49	AVG
4	2489.480	55.87	-0.37	55.50	74.00	-18.50	peak
5	2489.480	42.80	-0.37	42.43	54.00	-11.57	AVG
6	2492.000	55.72	-0.35	55.37	74.00	-18.63	peak
7	2492.000	42.67	-0.35	42.32	54.00	-11.68	AVG
8	2498.600	54.95	-0.31	54.64	74.00	-19.36	peak
9	2498.600	42.69	-0.31	42.38	54.00	-11.62	AVG

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 6		
Ant.Polar.:	Vertical		

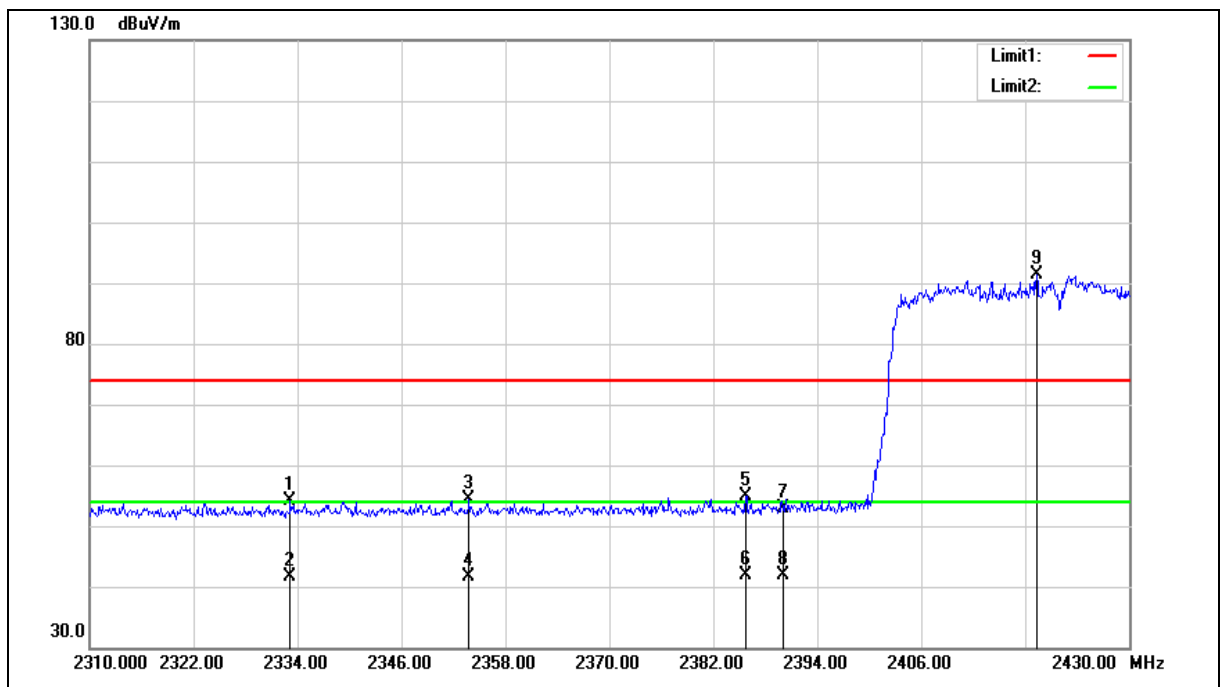
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2464.040	104.03	-0.49	103.54	--	--	peak
2	2483.500	54.16	-0.40	53.76	74.00	-20.24	peak
3	2483.500	43.85	-0.40	43.45	54.00	-10.55	AVG
4	2491.880	55.67	-0.35	55.32	74.00	-18.68	peak
5	2491.880	43.68	-0.35	43.33	54.00	-10.67	AVG
6	2497.960	55.01	-0.32	54.69	74.00	-19.31	peak
7	2497.960	43.57	-0.32	43.25	54.00	-10.75	AVG

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2422 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2422 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		

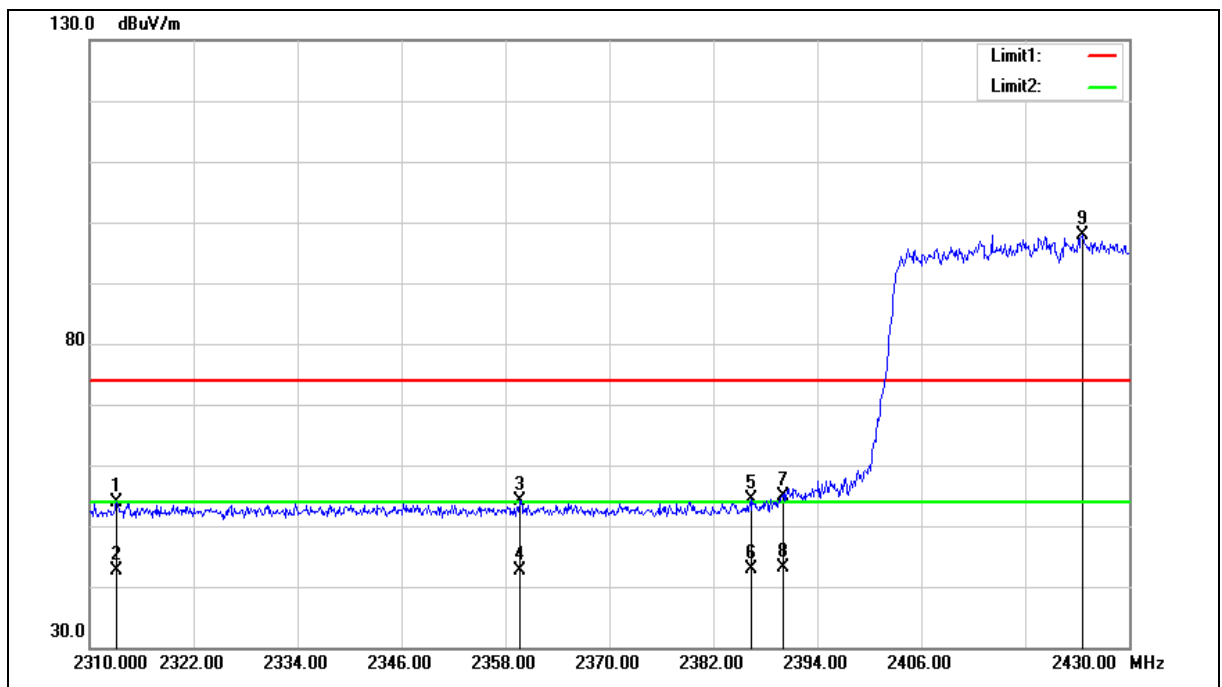
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2333.160	55.26	-1.16	54.10	74.00	-19.90	peak
2	2333.160	42.74	-1.16	41.58	54.00	-12.42	AVG
3	2353.800	55.32	-1.05	54.27	74.00	-19.73	peak
4	2353.800	42.70	-1.05	41.65	54.00	-12.35	AVG
5	2385.720	55.80	-0.90	54.90	74.00	-19.10	peak
6	2385.720	42.66	-0.90	41.76	54.00	-12.24	AVG
7	2390.000	53.81	-0.87	52.94	74.00	-21.06	peak
8	2390.000	42.80	-0.87	41.93	54.00	-12.07	AVG
9	2419.320	92.17	-0.72	91.45	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2422 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2422 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		

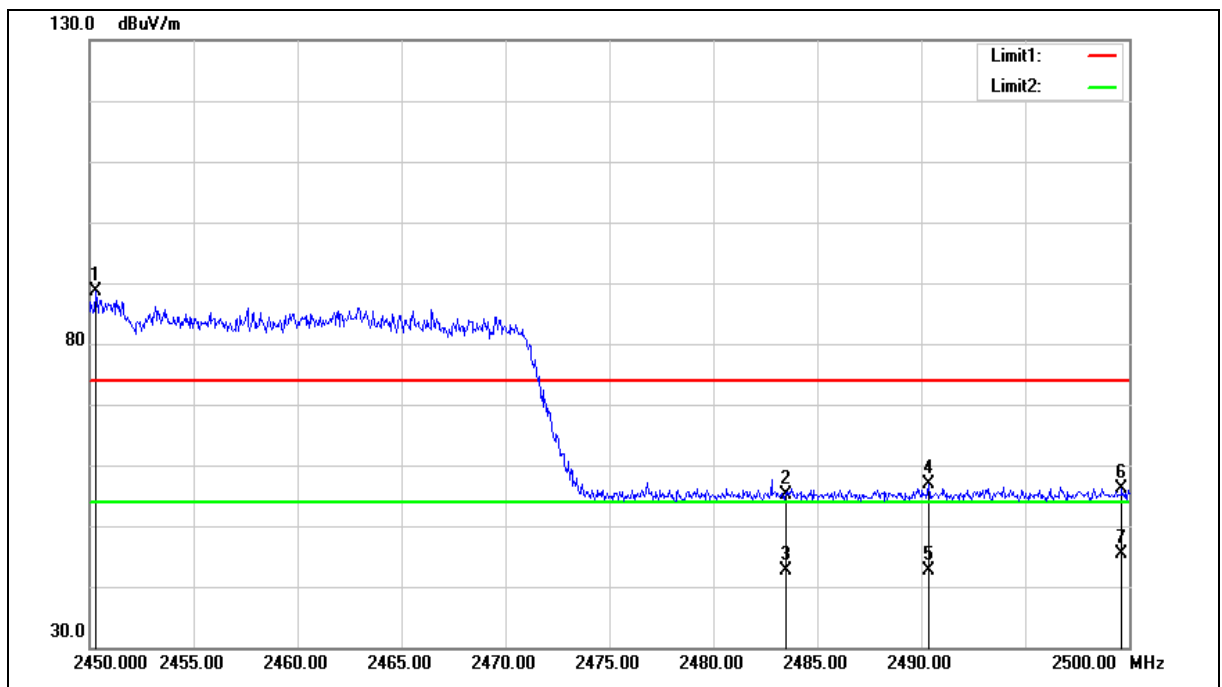
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2313.120	55.03	-1.26	53.77	74.00	-20.23	peak
2	2313.120	43.77	-1.26	42.51	54.00	-11.49	AVG
3	2359.680	55.25	-1.03	54.22	74.00	-19.78	peak
4	2359.680	43.65	-1.03	42.62	54.00	-11.38	AVG
5	2386.440	55.27	-0.90	54.37	74.00	-19.63	peak
6	2386.440	43.87	-0.90	42.97	54.00	-11.03	AVG
7	2390.000	55.79	-0.87	54.92	74.00	-19.08	peak
8	2390.000	44.00	-0.87	43.13	54.00	-10.87	AVG
9	2424.600	98.62	-0.70	97.92	--	--	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2452 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2452 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Horizontal		

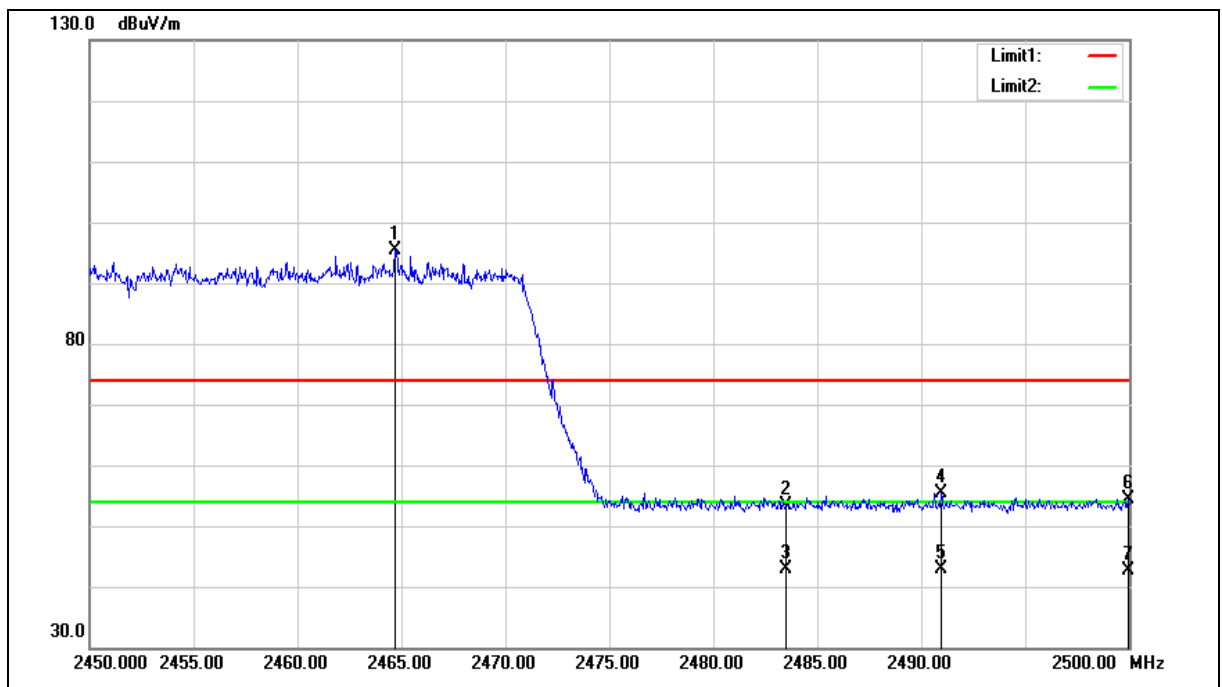
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2450.300	89.08	-0.57	88.51	--	--	peak
2	2483.500	55.63	-0.40	55.23	74.00	-18.77	peak
3	2483.500	43.02	-0.40	42.62	54.00	-11.38	AVG
4	2490.350	57.22	-0.36	56.86	74.00	-17.14	peak
5	2490.350	42.90	-0.36	42.54	54.00	-11.46	AVG
6	2499.650	56.55	-0.31	56.24	74.00	-17.76	peak
7	2499.650	45.80	-0.31	45.49	54.00	-8.51	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:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2452 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		



Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2452 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 7		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2464.700	95.93	-0.49	95.44	--	--	peak
2	2483.500	53.72	-0.40	53.32	74.00	-20.68	peak
3	2483.500	43.23	-0.40	42.83	54.00	-11.17	AVG
4	2490.950	55.77	-0.36	55.41	74.00	-18.59	peak
5	2490.950	43.15	-0.36	42.79	54.00	-11.21	AVG
6	2499.950	54.67	-0.31	54.36	74.00	-19.64	peak
7	2499.950	43.01	-0.31	42.70	54.00	-11.30	AVG

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

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

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

4.2.2 峰值傳導輸出功率之量測

合格標準:

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

Diversity mode:

Directional = Max. Gain : 0.40 dBi < 6 dBi

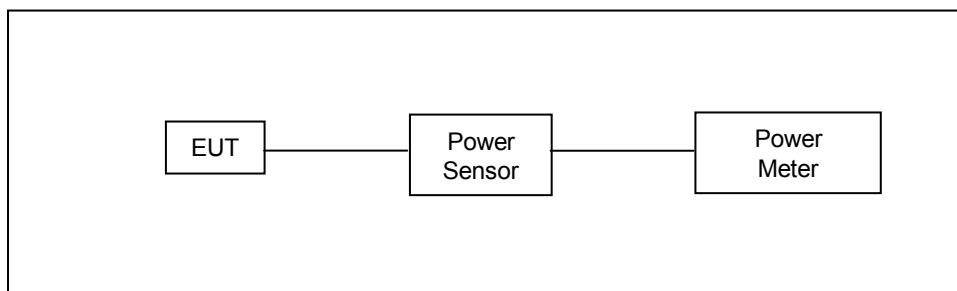
CDD mode:

Directional = $G_{ANT} = 10 \cdot \log\{[10^{(G1/10)} + 10^{(G2/10)} + \dots + 10^{(Gn/10)}] / NANT\} = -0.71 \text{ dBi} < 6 \text{ dBi}$

MIMO mode:

Directional Gain = $10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\} = 2.21 \text{ dBi} < 6 \text{ dBi}$

測試架構圖：



測試結果:

操作模式：Mode 2 / Mode 3 / Mode 4 / Mode 5							
操作模式	Data Rate (Mbps)	頻道 CH	輸出功率(Average)		輸出功率(Peak)		Limit (dBm)
			ANT-0				
			dBm	W	dBm	W	
Mode 2	1	01	15.80	0.038	19.64	0.092	≦ 30.00
		06	16.64	0.046	20.24	0.106	≦ 30.00
		11	14.10	0.026	17.94	0.062	≦ 30.00
Mode 3	6	01	10.22	0.011	19.92	0.098	≦ 30.00
		06	15.93	0.039	21.87	0.154	≦ 30.00
		11	9.83	0.010	18.93	0.078	≦ 30.00
Mode 4	13	01	10.02	0.010	19.53	0.090	≦ 30.00
		06	15.42	0.035	21.61	0.145	≦ 30.00
		11	9.66	0.009	19.34	0.086	≦ 30.00
Mode 5	27	03	8.49	0.007	18.86	0.077	≦ 30.00
		06	11.43	0.014	21.29	0.135	≦ 30.00
		09	4.50	0.003	14.98	0.031	≦ 30.00

操作模式： Mode 6 / Mode 7										
操作模式	Data Rate (Mbps)	頻道 CH	Frequency (MHz)	RU Type	RU NO.	輸出功率(Average)		輸出功率(Peak)		Limit dBm
						ANT-0				
						dBm	W	dBm	W	
Mode 6	MCS0	1	2412.0	242	1	10.59	0.011	19.38	0.087	≤ 30.00
		6	2437.0	242	1	15.91	0.039	22.46	0.176	≤ 30.00
		11	2462.0	242	1	10.18	0.010	19.03	0.080	≤ 30.00
Mode 7	MCS0	3	2422.0	484	1	8.89	0.008	17.11	0.051	≤ 30.00
		6	2437.0	484	1	11.93	0.016	21.09	0.129	≤ 30.00
		9	2452.0	484	1	4.89	0.003	12.53	0.018	≤ 30.00

操作模式：Mode 2 / Mode 3 / Mode 4 / Mode 5							
操作模式	Data Rate (Mbps)	頻道 CH	輸出功率(Average)		輸出功率(Peak)		Limit (dBm)
			ANT-1				
			dBm	W	dBm	W	
Mode 2	1	01	14.61	0.029	18.49	0.071	≦ 30.00
		06	16.61	0.046	20.14	0.103	≦ 30.00
		11	12.93	0.020	16.73	0.047	≦ 30.00
Mode 3	6	01	9.59	0.009	19.22	0.084	≦ 30.00
		06	15.92	0.039	21.69	0.148	≦ 30.00
		11	8.53	0.007	18.11	0.065	≦ 30.00
Mode 4	13	01	9.61	0.009	19.11	0.081	≦ 30.00
		06	15.36	0.034	21.23	0.133	≦ 30.00
		11	8.39	0.007	17.93	0.062	≦ 30.00
Mode 5	27	03	8.47	0.007	18.64	0.073	≦ 30.00
		06	11.46	0.014	21.35	0.136	≦ 30.00
		09	1.47	0.001	11.02	0.013	≦ 30.00

操作模式： Mode 6 / Mode 7										
操作模式	Data Rate (Mbps)	頻道 CH	Frequency (MHz)	RU Type	RU NO.	輸出功率(Average)		輸出功率(Peak)		Limit dBm
						ANT-1				
						dBm	W	dBm	W	
Mode 6	MCS0	1	2412.0	242	1	10.09	0.010	10.09	0.010	≤ 30.00
		6	2437.0	242	1	15.83	0.038	15.83	0.038	≤ 30.00
		11	2462.0	242	1	8.78	0.008	8.78	0.008	≤ 30.00
Mode 7	MCS0	3	2422.0	484	1	8.86	0.008	8.86	0.008	≤ 30.00
		6	2437.0	484	1	11.81	0.015	11.81	0.015	≤ 30.00
		9	2452.0	484	1	1.49	0.001	1.49	0.001	≤ 30.00

操作模式：Mode 3 / Mode 4 / Mode 5							
操作模式	Data Rate (Mbps)	頻道 CH	輸出功率(Average)		輸出功率(Peak)		Limit (dBm)
			ANT-0+1				
			dBm	W	dBm	W	
Mode 3	6	01	12.93	0.020	22.59	0.182	≦ 30.00
		06	18.94	0.078	24.79	0.301	≦ 30.00
		11	12.24	0.017	21.55	0.143	≦ 30.00
Mode 4	13	01	12.83	0.019	22.34	0.171	≦ 30.00
		06	18.40	0.069	24.43	0.278	≦ 30.00
		11	12.08	0.016	21.70	0.148	≦ 30.00
Mode 5	27	03	11.49	0.014	21.76	0.150	≦ 30.00
		06	14.46	0.028	24.33	0.271	≦ 30.00
		09	6.25	0.004	16.45	0.044	≦ 30.00

操作模式： Mode 6 / Mode 7										
操作模式	Data Rate (Mbps)	頻道 CH	Frequency (MHz)	RU Type	RU NO.	輸出功率(Average)		輸出功率(Peak)		Limit dBm
						ANT-0+1				
						dBm	W	dBm	W	
Mode 6	MCS0	1	2412.0	242	1	13.36	0.022	19.86	0.097	≤ 30.00
		6	2437.0	242	1	18.88	0.077	23.31	0.214	≤ 30.00
		11	2462.0	242	1	12.55	0.018	19.42	0.088	≤ 30.00
Mode 7	MCS0	3	2422.0	484	1	11.89	0.015	17.72	0.059	≤ 30.00
		6	2437.0	484	1	14.88	0.031	21.57	0.144	≤ 30.00
		9	2452.0	484	1	6.52	0.004	12.86	0.019	≤ 30.00

4.2.3 天線規格之要求

合格標準：

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

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

判定結果：

符合。

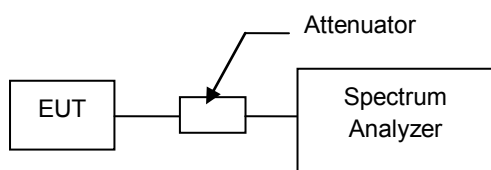
Antenna	廠牌	型號	型態	增益值(dBi)
ANT-0	比亞迪	96662429	IFA Antenna	0.40
ANT-1	比亞迪	96662429	IFA Antenna	-2.20

4.2.4 非必要頻帶之量測

合格標準:

發射限制：使用頻帶範圍外之任意 100 千赫 (kHz)內，發射器所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 千赫 (kHz)內的射頻功率，須衰減 20 分貝(dB)，以射頻傳導或輻射方式測量。

測試架構圖：



測試結果:

操作模式	: Mode 2 / Mode 3 / Mode 4 / Mode 5 / Mode 6 / Mode 7
測試結果	: 合格
量測之結果掃圖如下頁所示	

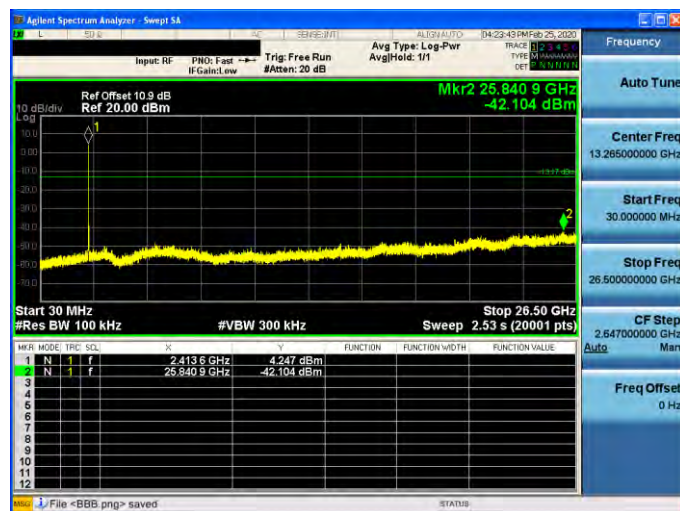
附註 1: 於使用頻帶範圍之任意 100 千赫 (kHz)內，發射器所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 千赫 (kHz)內的射頻功率，衰減 20 分貝(dB)以上，符合規定。

附註 2: 測試結果頻帶外之輻射雜訊皆小於主頻 TX 20 dB。

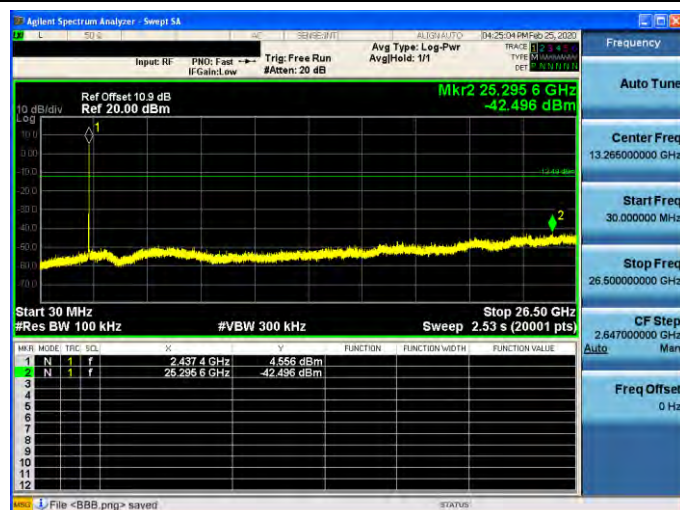
Out of Band Conducted Spurious Emission

Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0

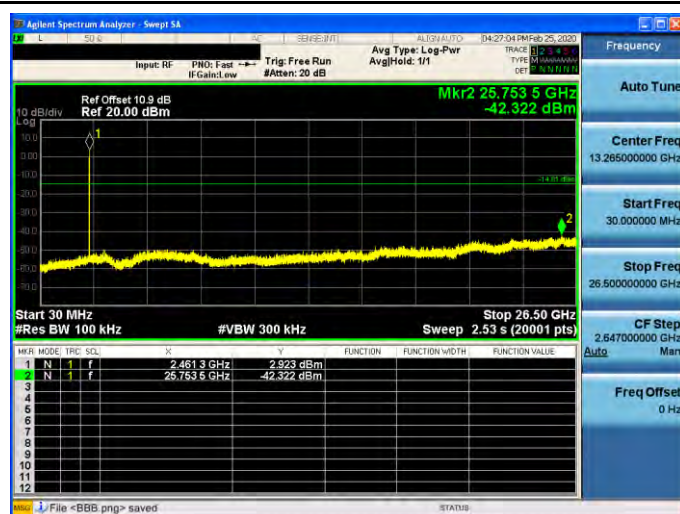
CH01



CH06

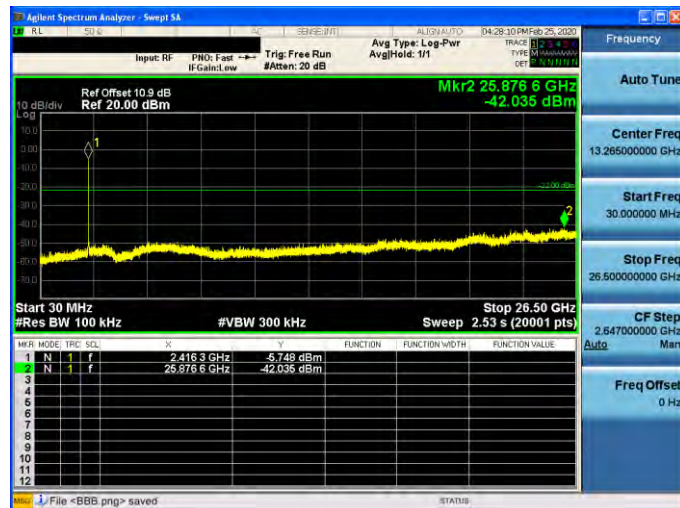


CH11

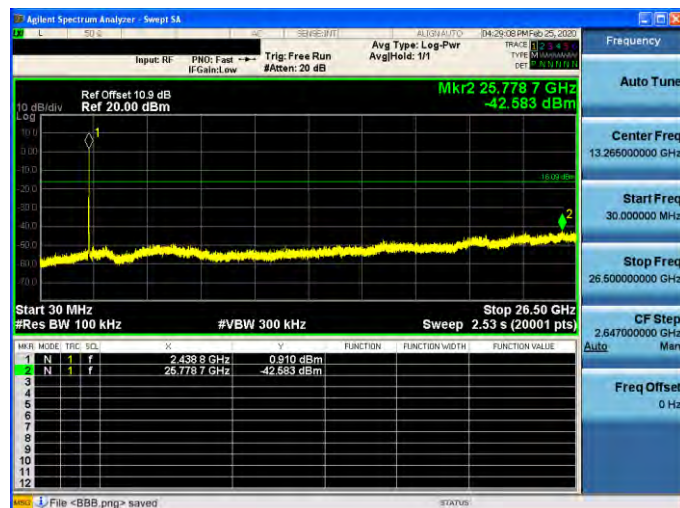


Mode 3: IEEE 802.11g Continuous TX Mode_ANT-0

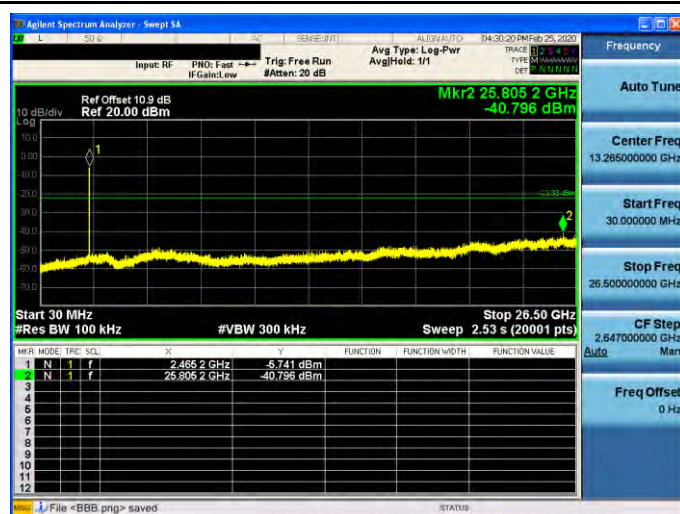
CH01

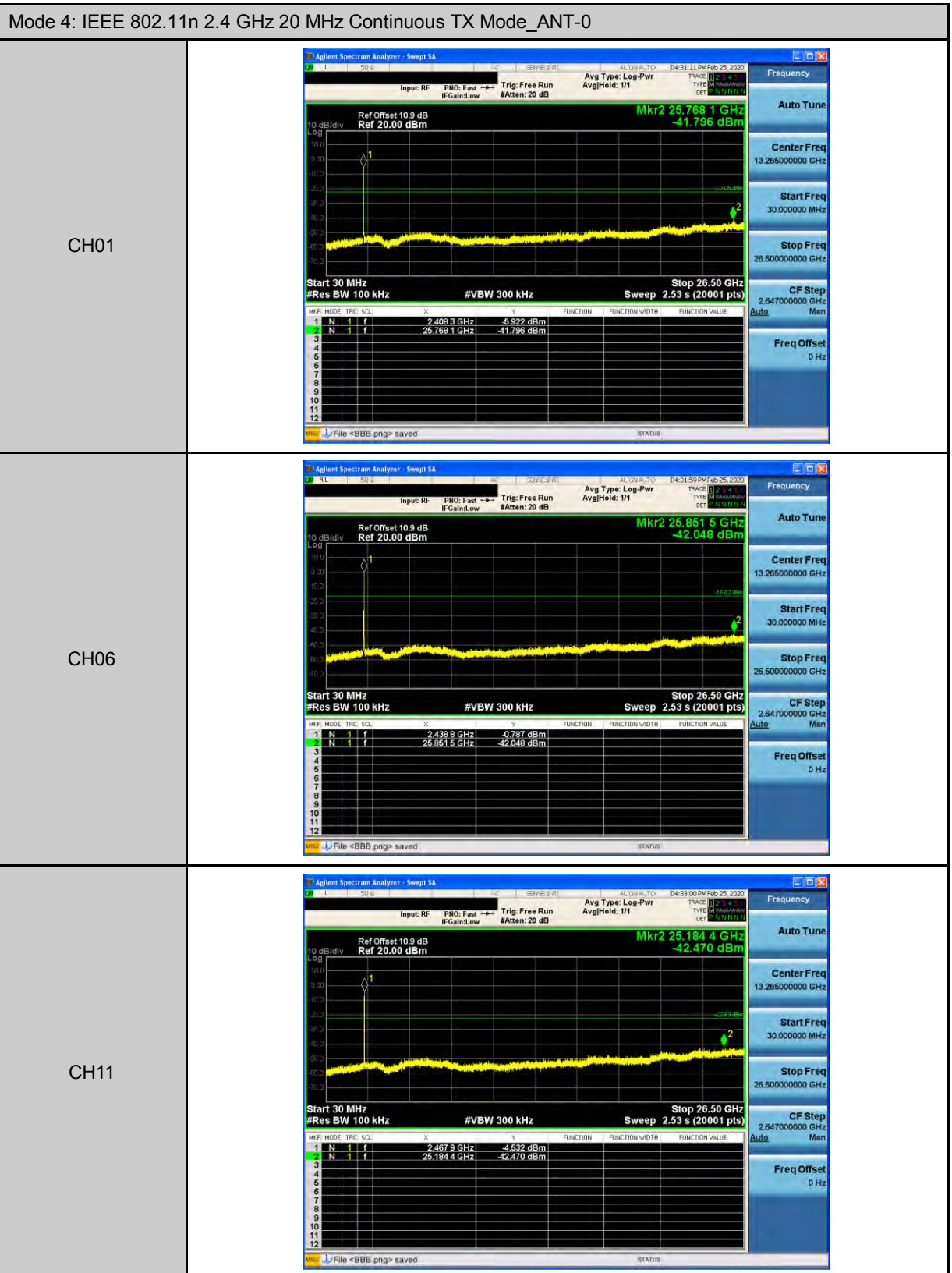


CH06



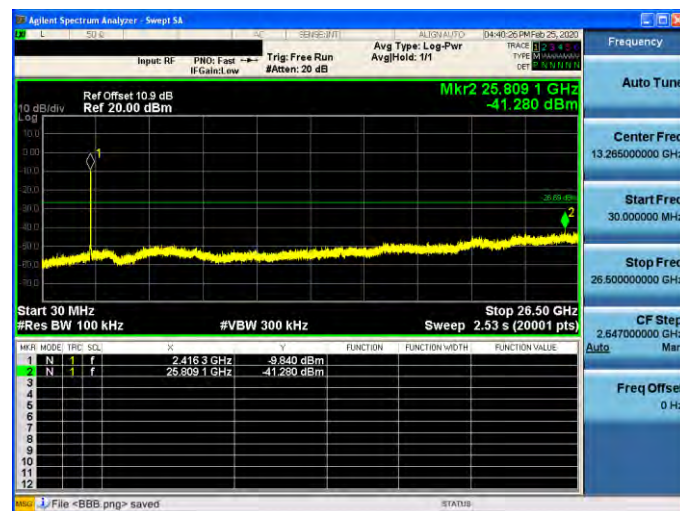
CH11



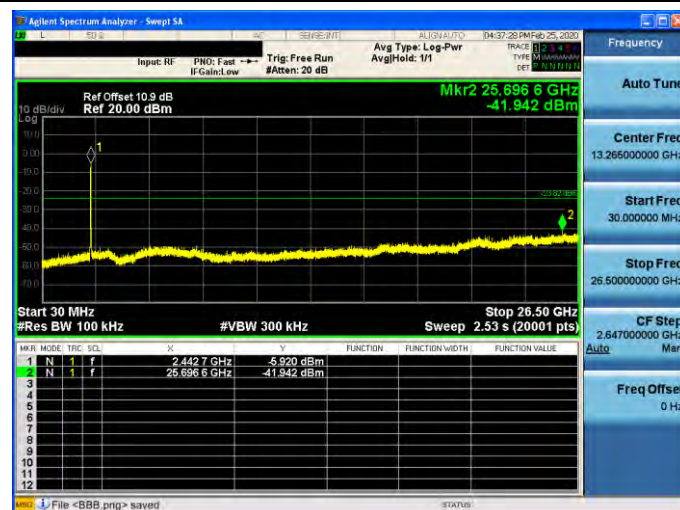


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-0

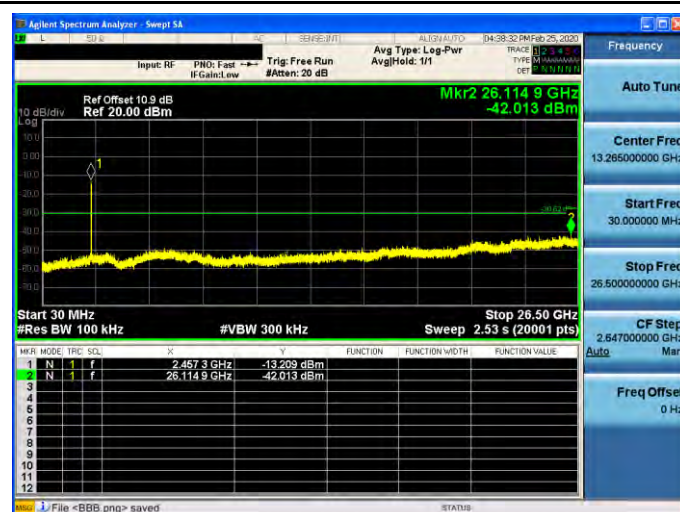
CH03



CH06



CH09

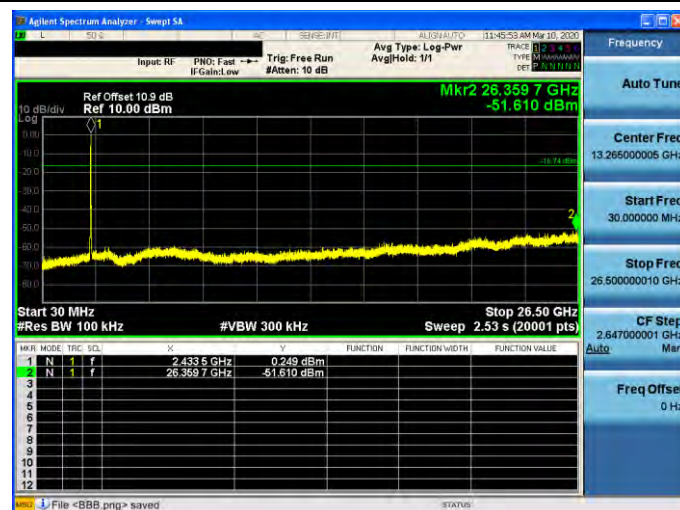


Mode 6: IEEE 802.11ax 2.4 GHz 20 MHz Continuous TX Mode_ANT-0

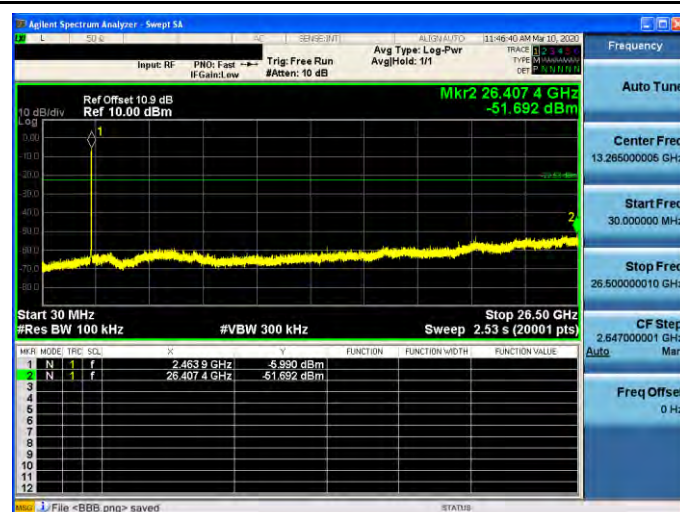
CH01



CH06

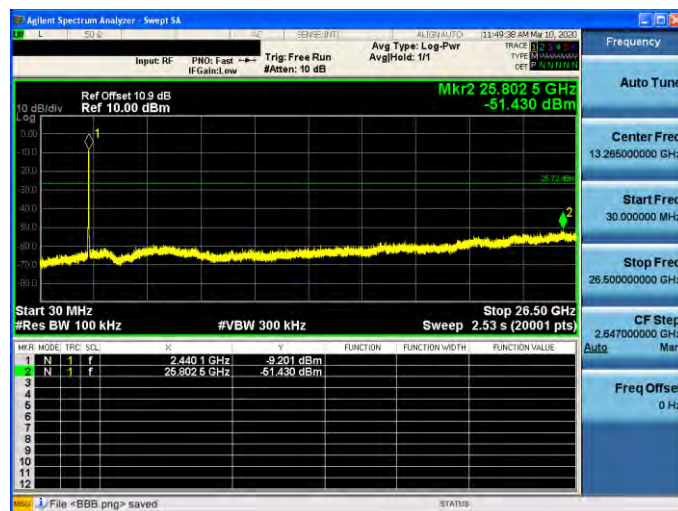


CH11

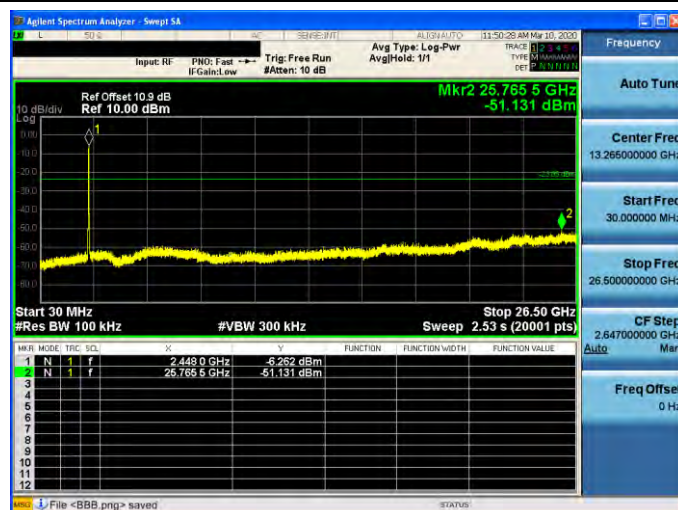


Mode 7: IEEE 802.11ax 2.4 GHz 40 MHz Continuous TX Mode_ANT-0

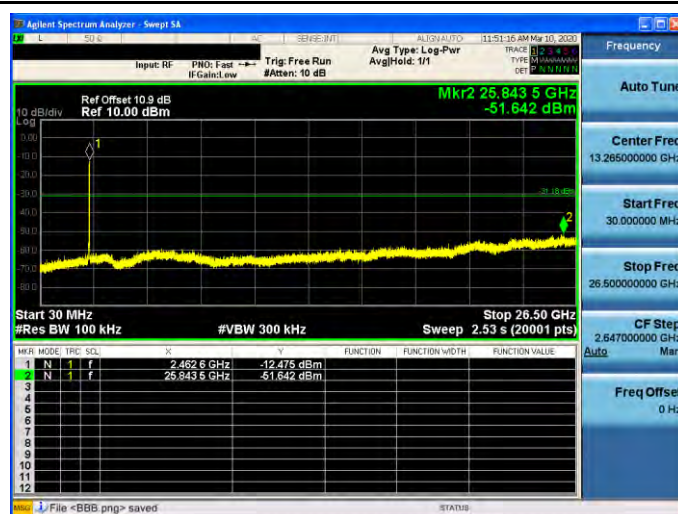
CH03



CH06

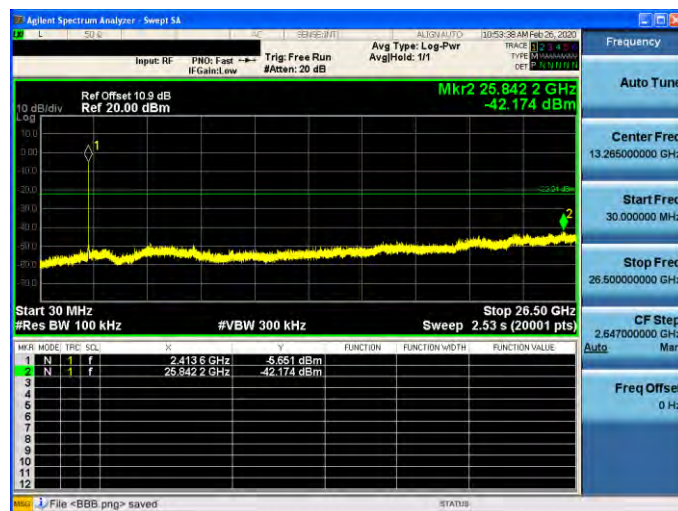


CH09

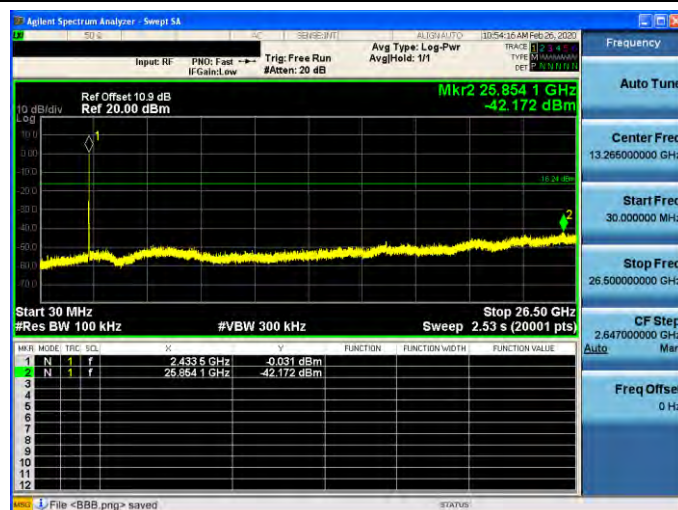


Mode 3: IEEE 802.11g Continuous TX Mode_ANT-1

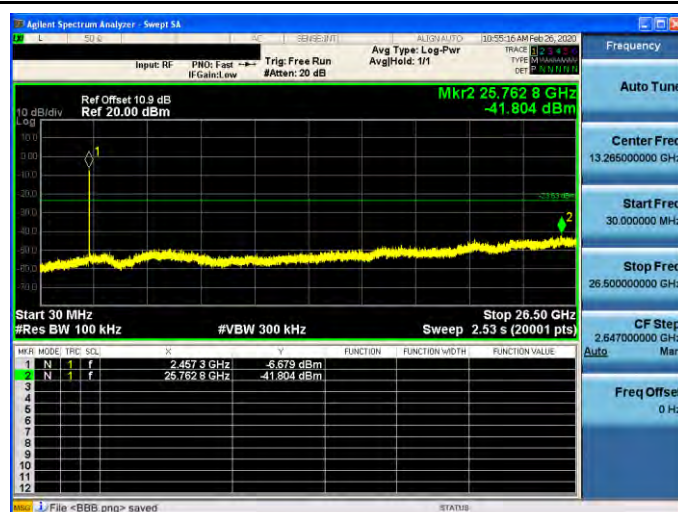
CH01



CH06

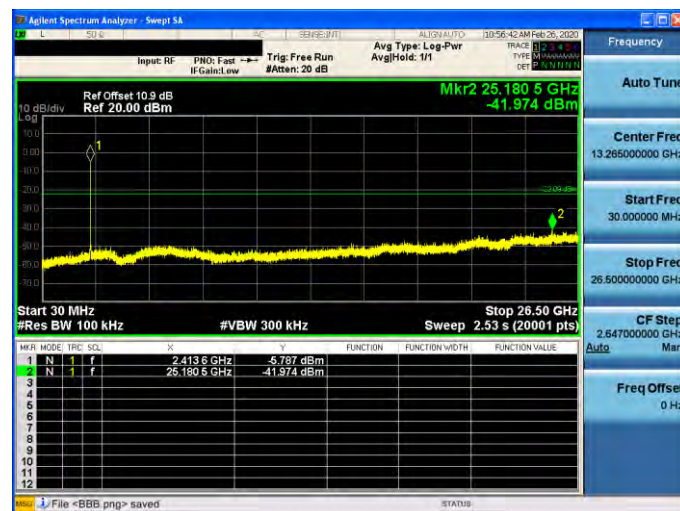


CH11

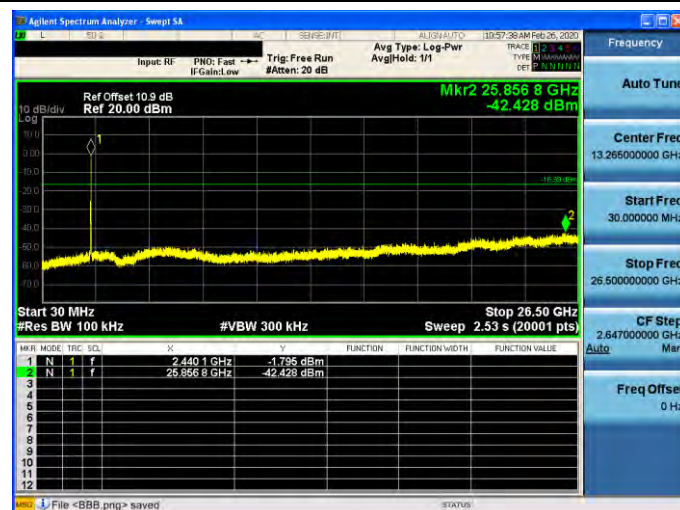


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-1

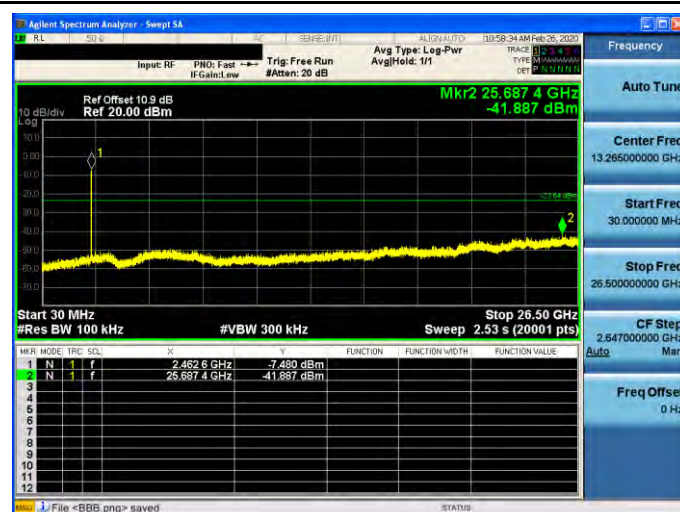
CH01



CH06

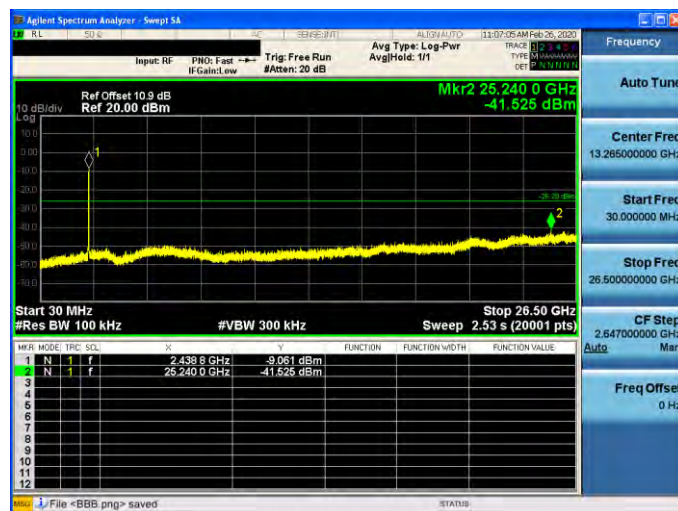


CH11

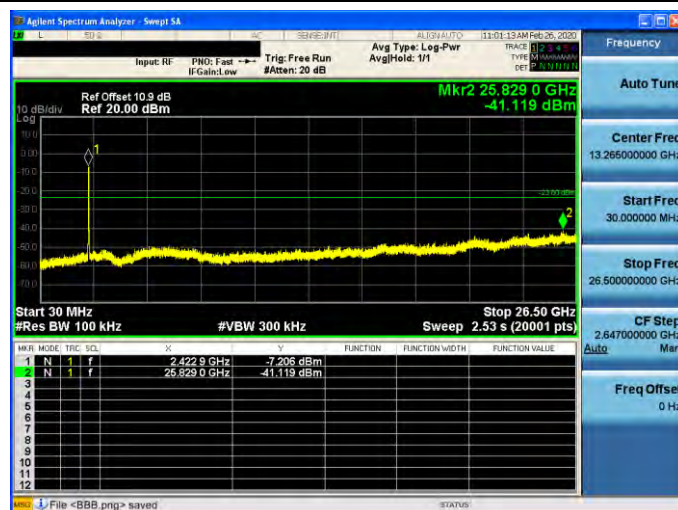


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-1

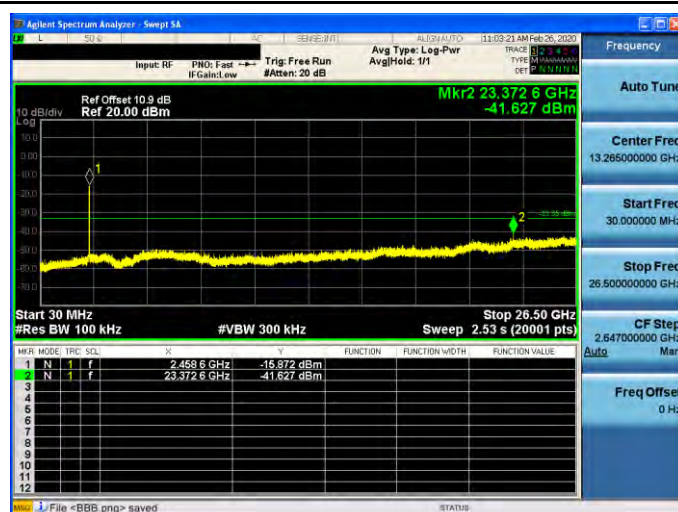
CH03



CH06

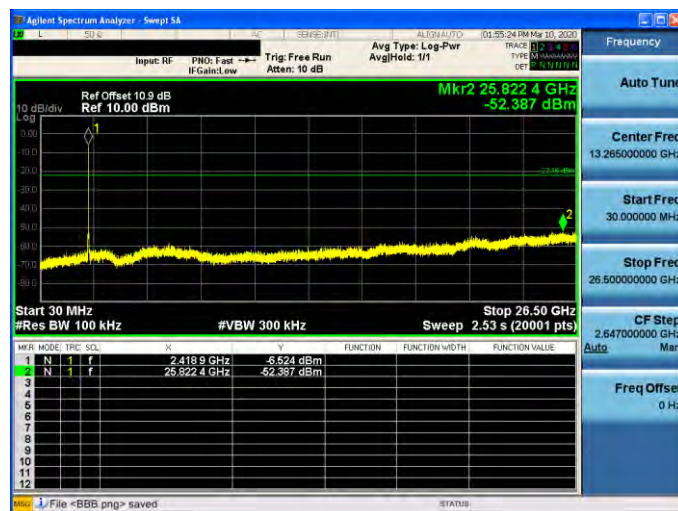


CH09

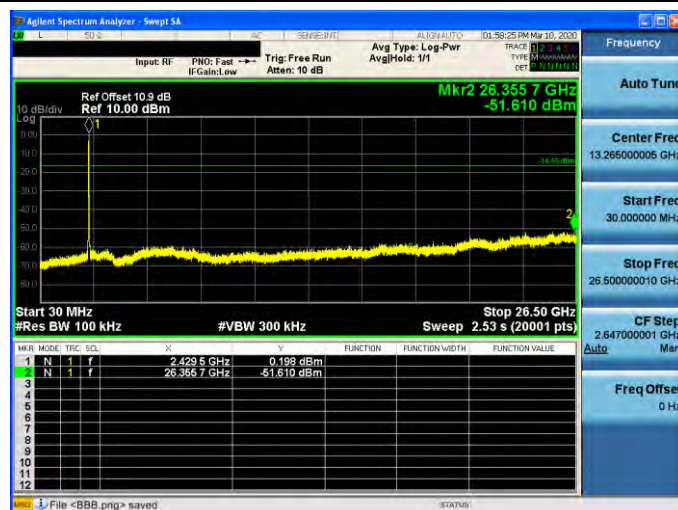


Mode 6: IEEE 802.11ax 2.4 GHz 20 MHz Continuous TX Mode_ANT-1

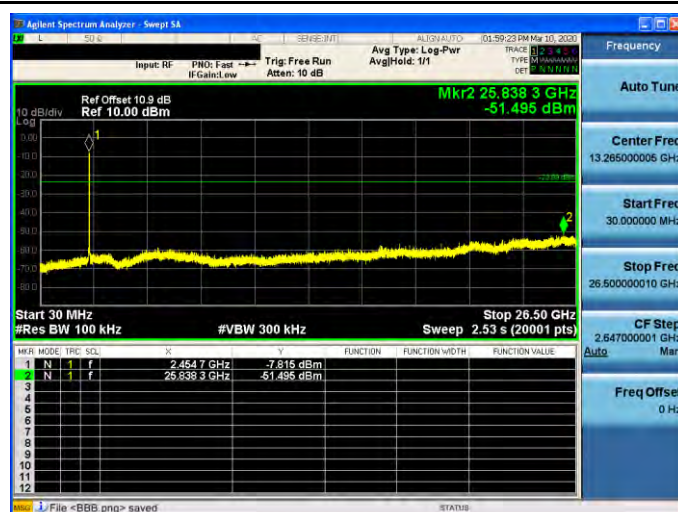
CH01



CH06

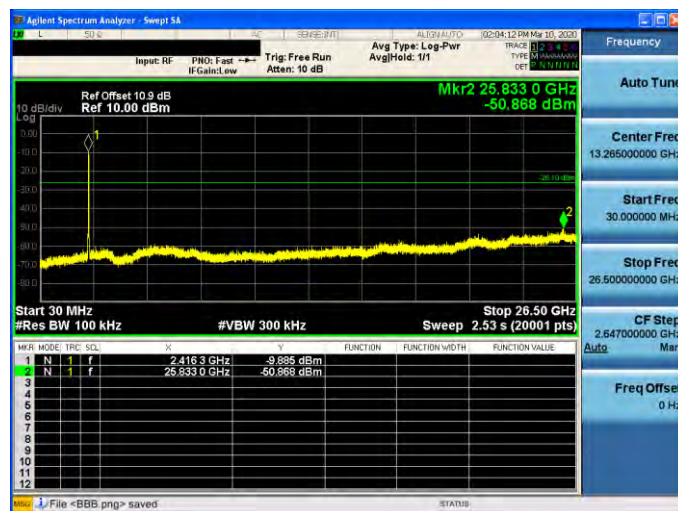


CH11

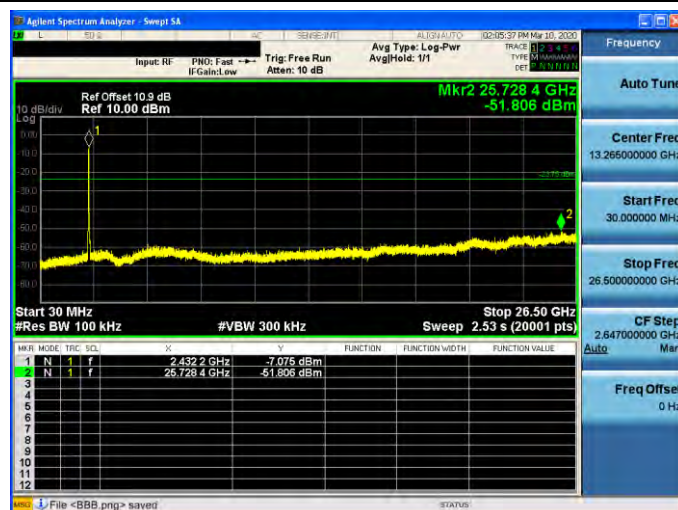


Mode 7: IEEE 802.11ax 2.4 GHz 40 MHz Continuous TX Mode_ANT-1

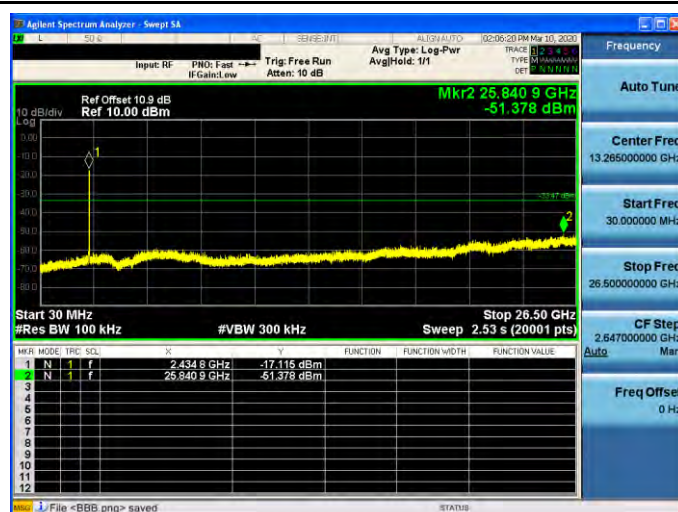
CH03



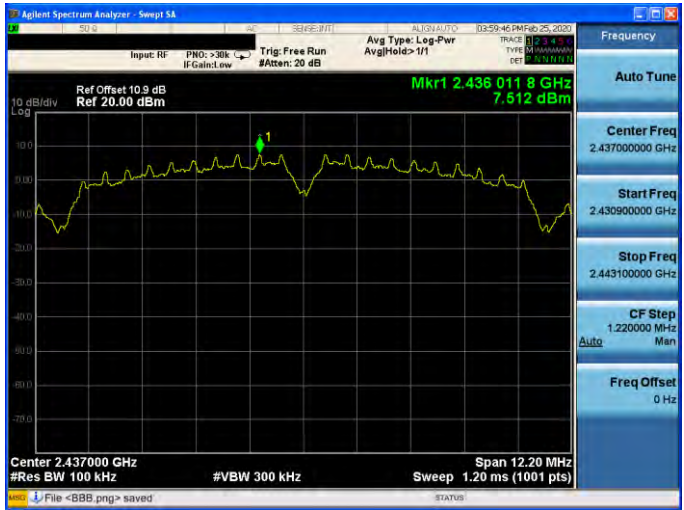
CH06



CH09

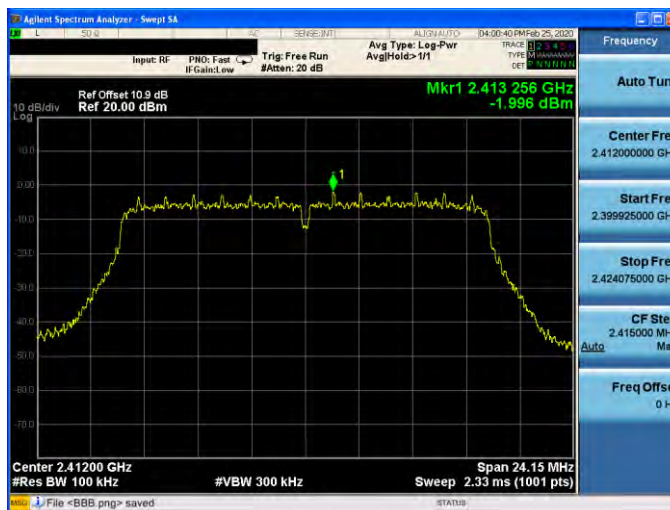


Reference level

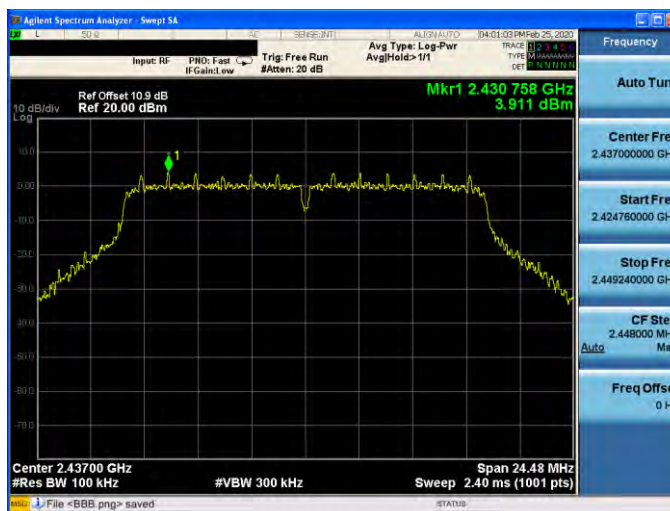
Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0	
CH01	 Agilent Spectrum Analyzer - Sweep SA Input RF: PNO: Fast Trig: Free Run Avg Type: Log-Pwr Avg Hold: 1/1 Ref Offset 10.9 dB Ref 20.00 dBm Mkr1 2.412 503 GHz 6.827 dBm Center 2.412000 GHz #Res BW 100 kHz #VBW 300 kHz Span 13.60 MHz Sweep 1.33 ms (1001 pts) File <BBB.png> saved
CH06	 Agilent Spectrum Analyzer - Sweep SA Input RF: PNO: >30k Trig: Free Run Avg Type: Log-Pwr Avg Hold: 1/1 Ref Offset 10.9 dB Ref 20.00 dBm Mkr1 2.436 011 8 GHz 7.512 dBm Center 2.437000 GHz #Res BW 100 kHz #VBW 300 kHz Span 12.20 MHz Sweep 1.20 ms (1001 pts) File <BBB.png> saved
CH11	 Agilent Spectrum Analyzer - Sweep SA Input RF: PNO: Fast Trig: Free Run Avg Type: Log-Pwr Avg Hold: 1/1 Ref Offset 10.9 dB Ref 20.00 dBm Mkr1 2.462 502 GHz 5.194 dBm Center 2.462000 GHz #Res BW 100 kHz #VBW 300 kHz Span 13.58 MHz Sweep 1.33 ms (1001 pts) File <BBB.png> saved

Mode 3: IEEE 802.11g Continuous TX Mode_ANT-0

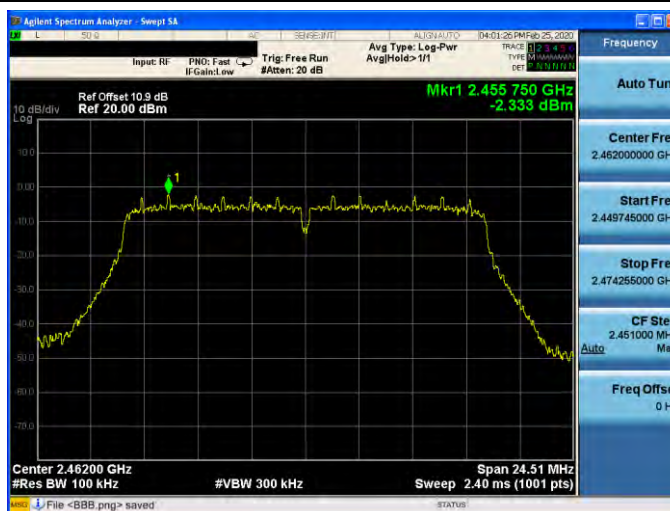
CH01



CH06

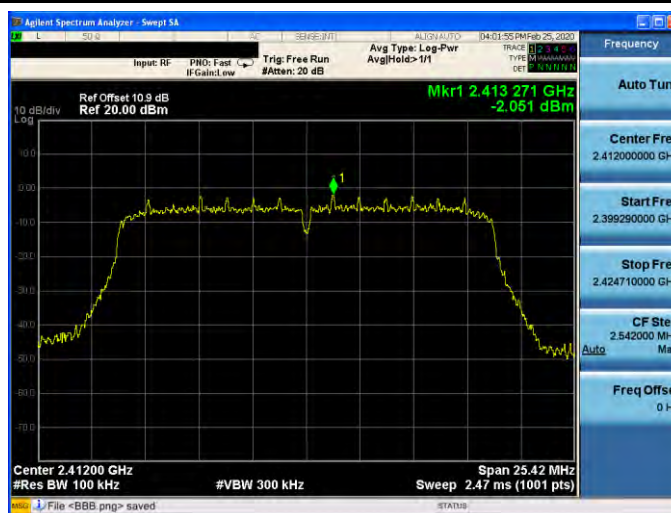


CH11



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

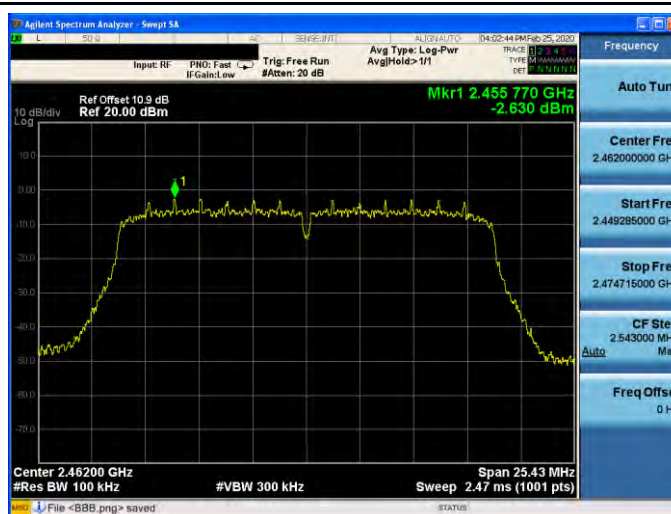
CH01

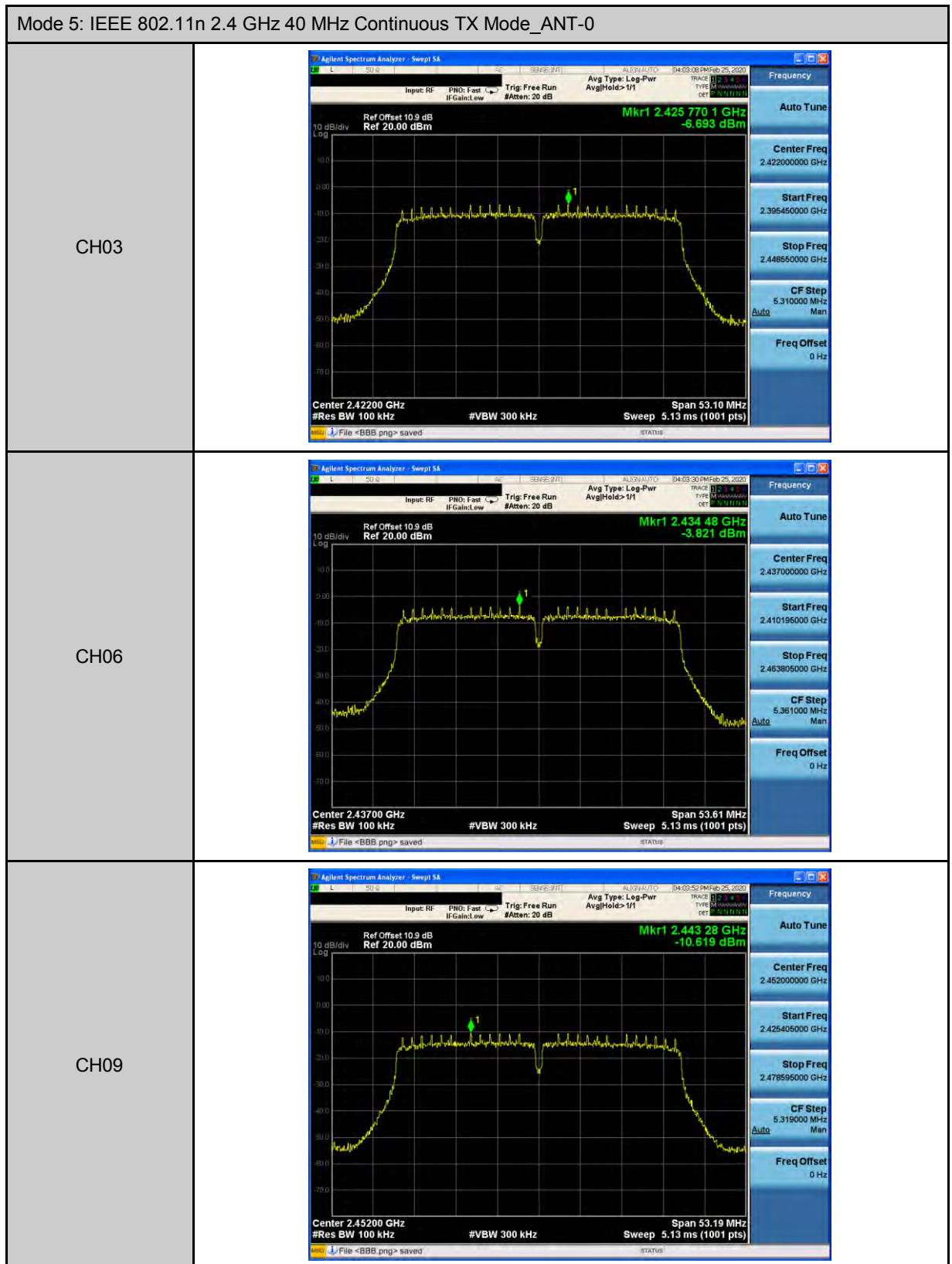


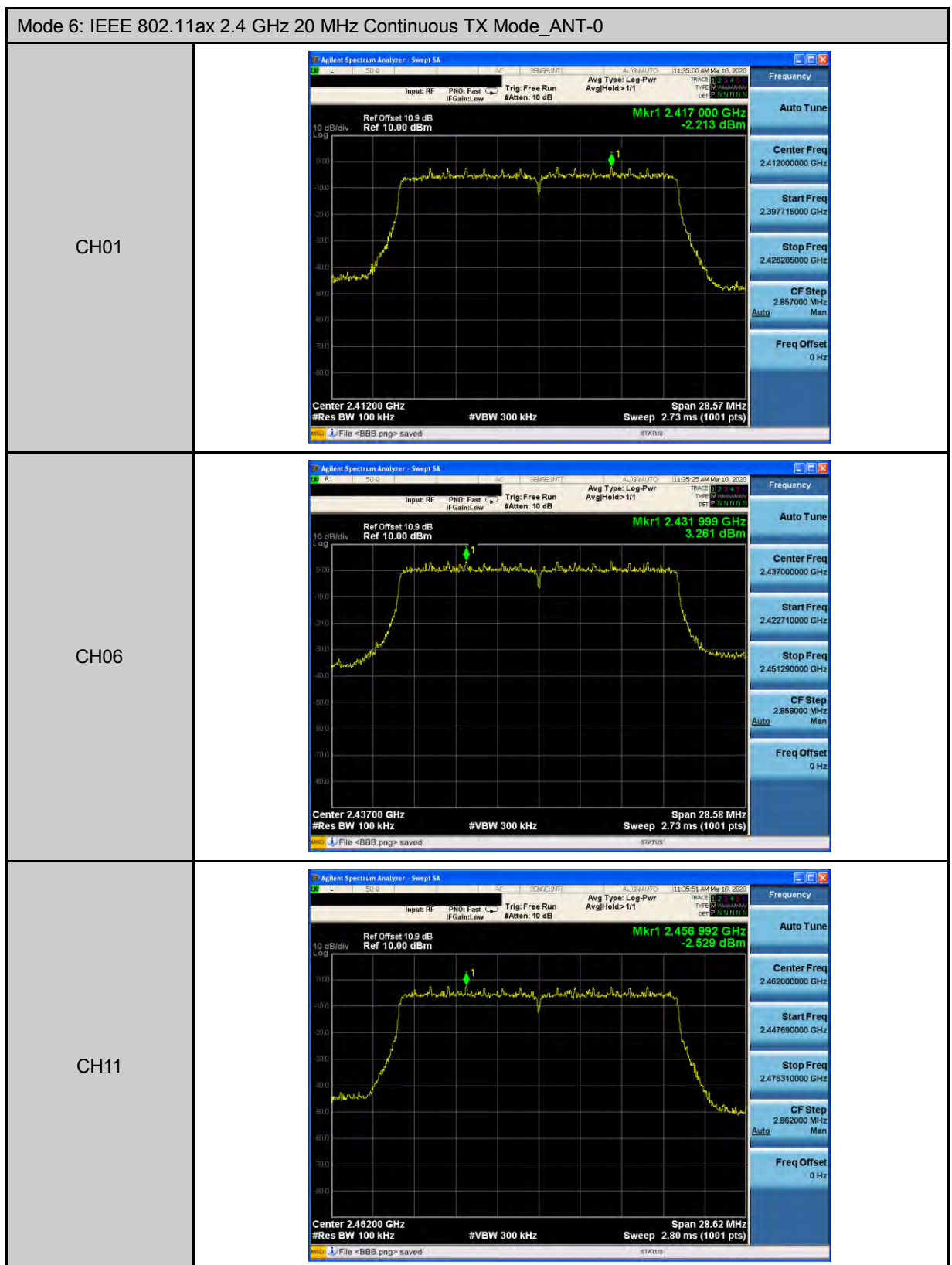
CH06

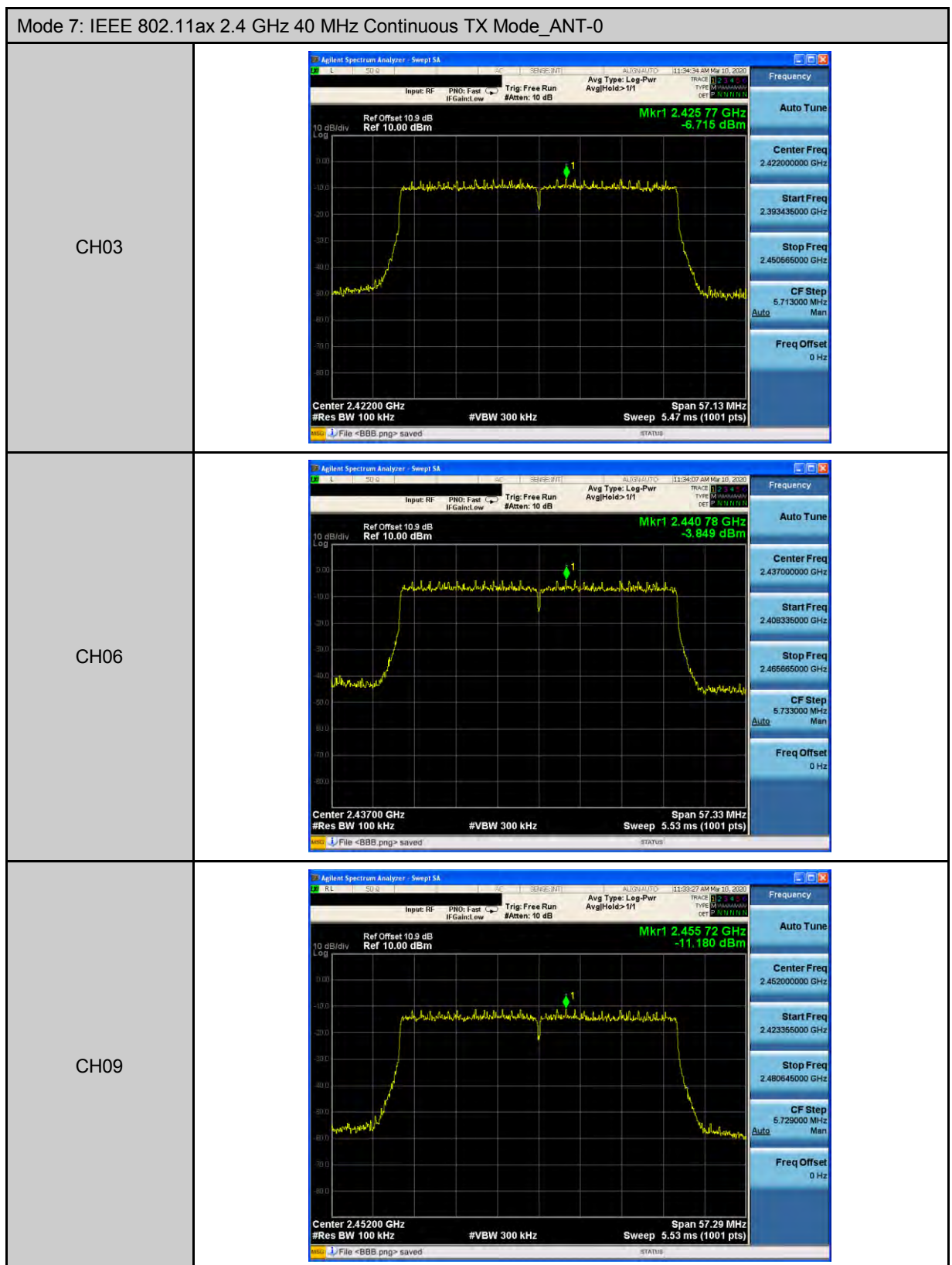


CH11



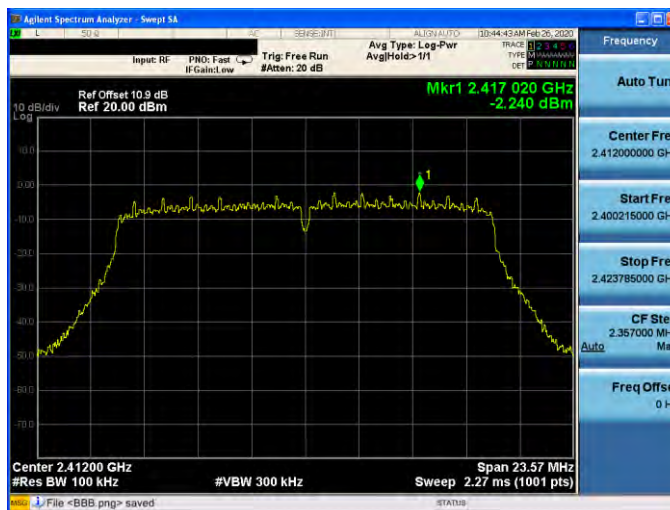




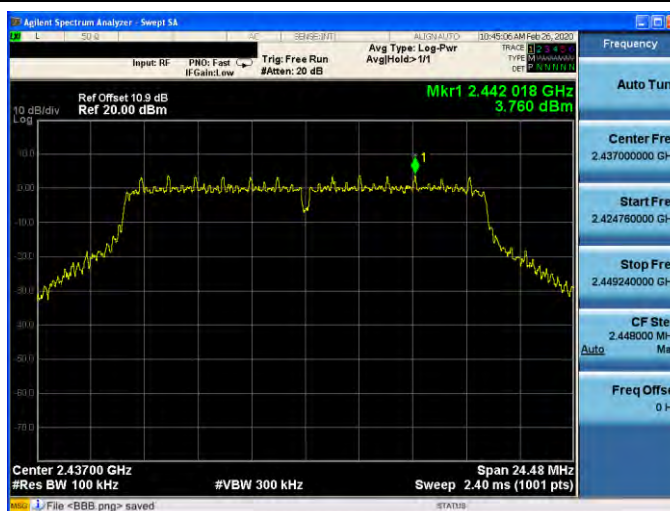


Mode 3: IEEE 802.11g Continuous TX Mode_ANT-1

CH01



CH06

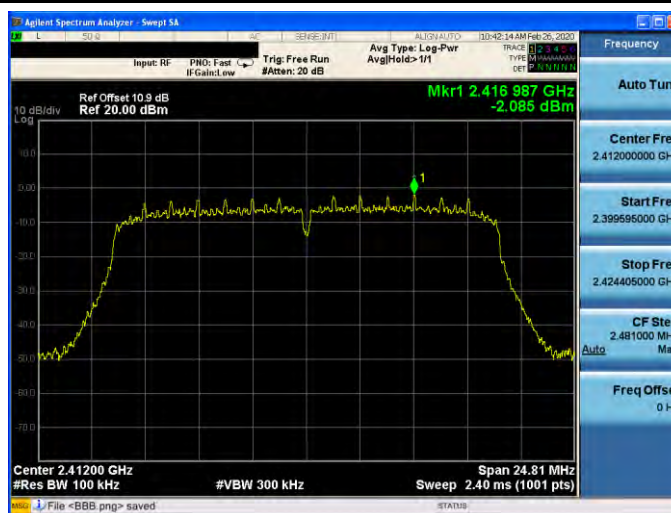


CH11

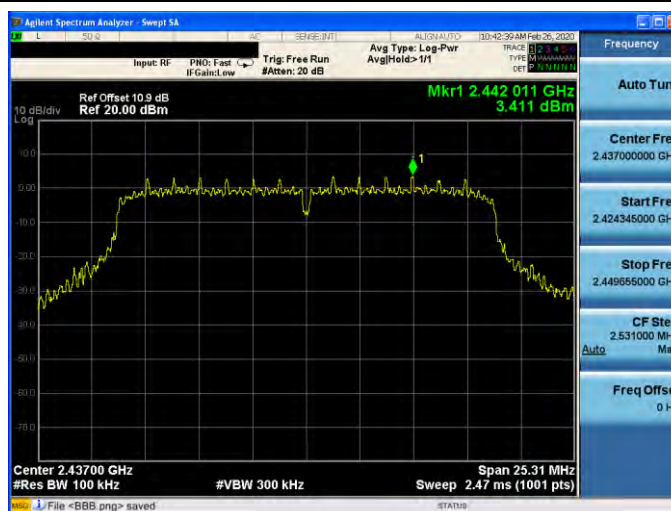


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-1

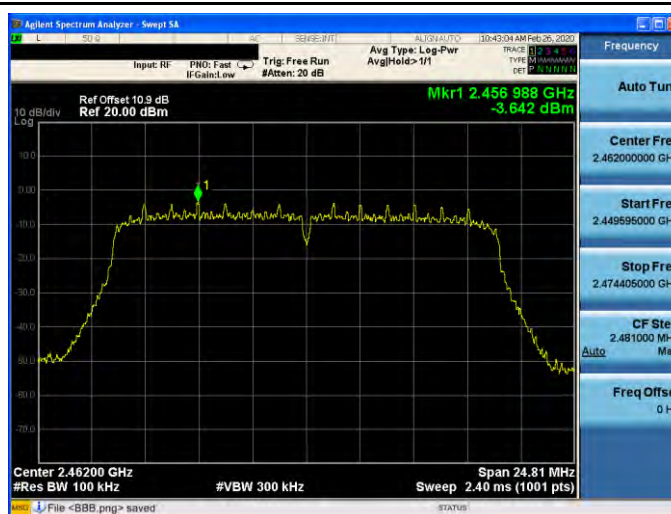
CH01



CH06

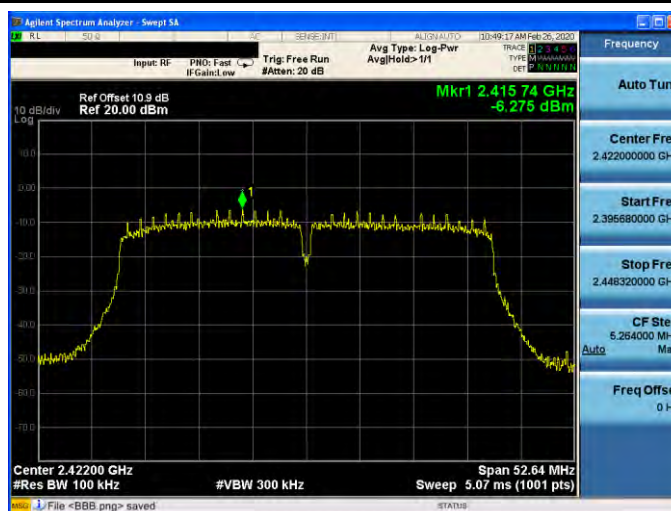


CH11

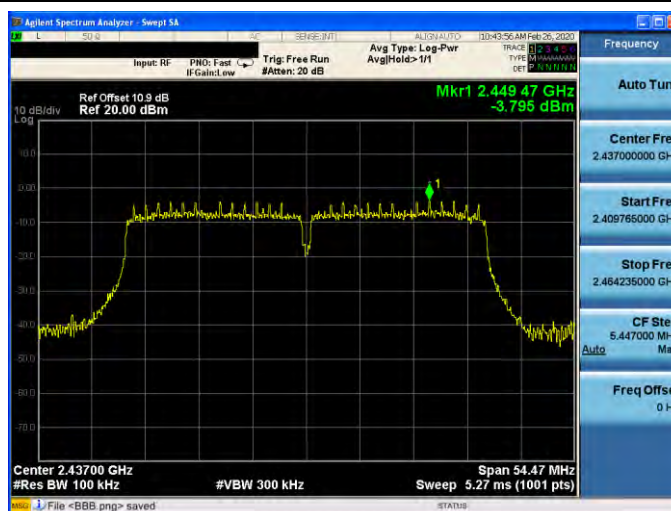


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode_ANT-1

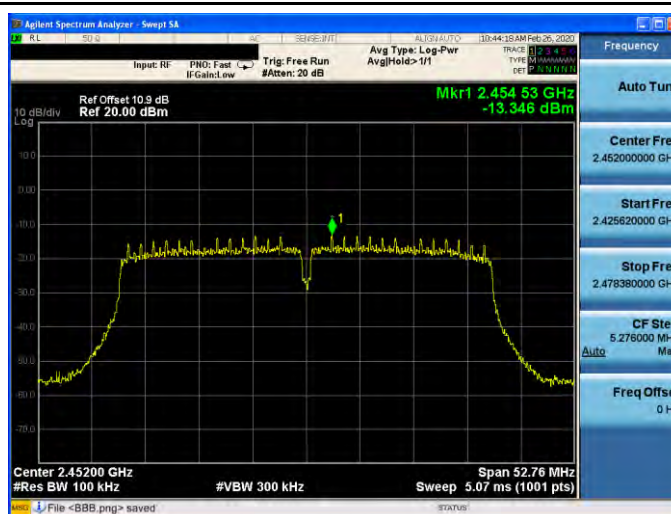
CH03

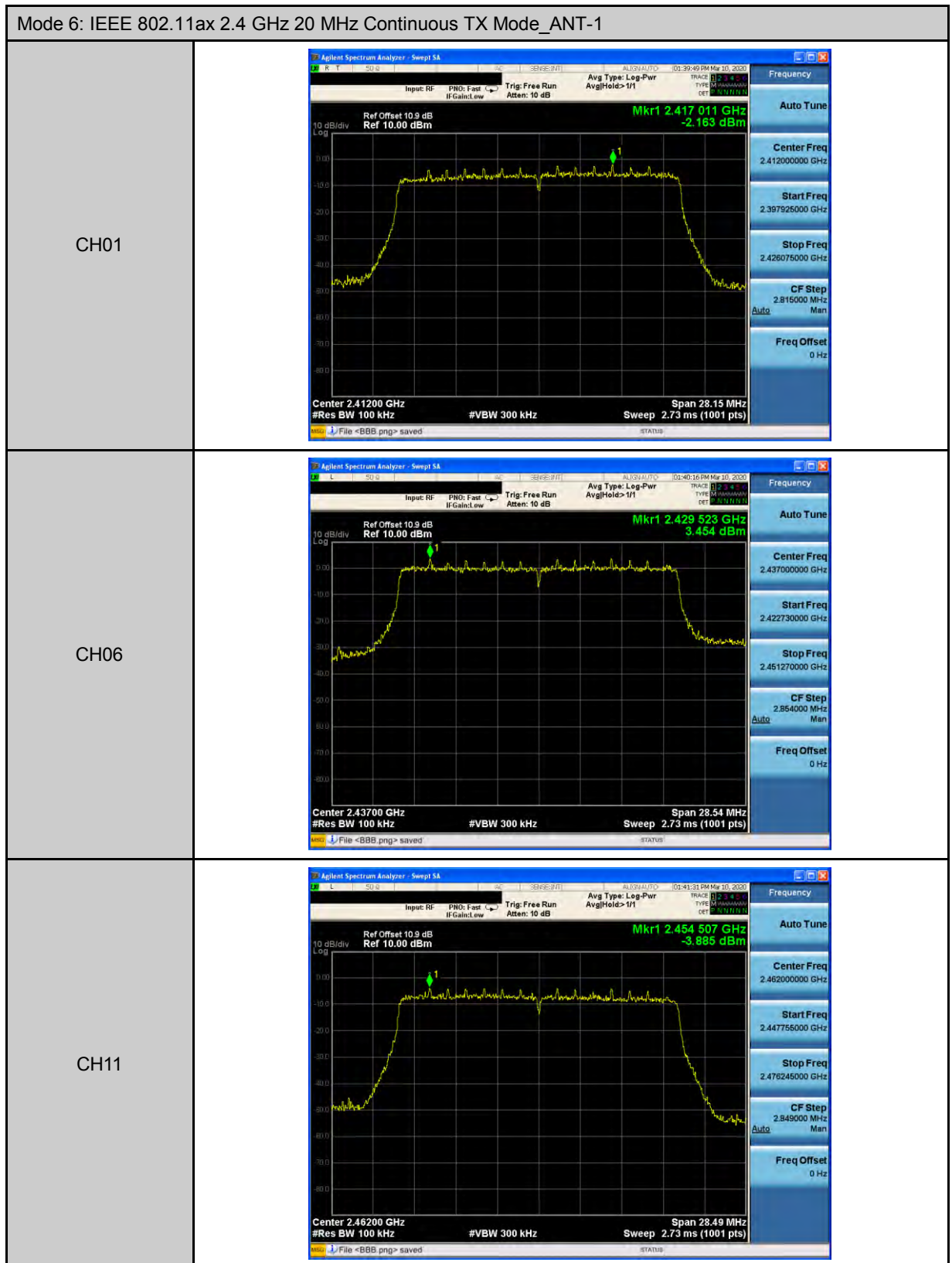


CH06



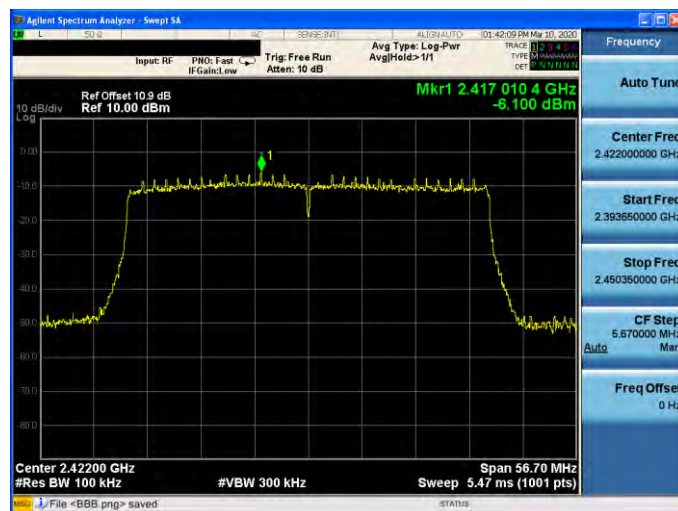
CH09



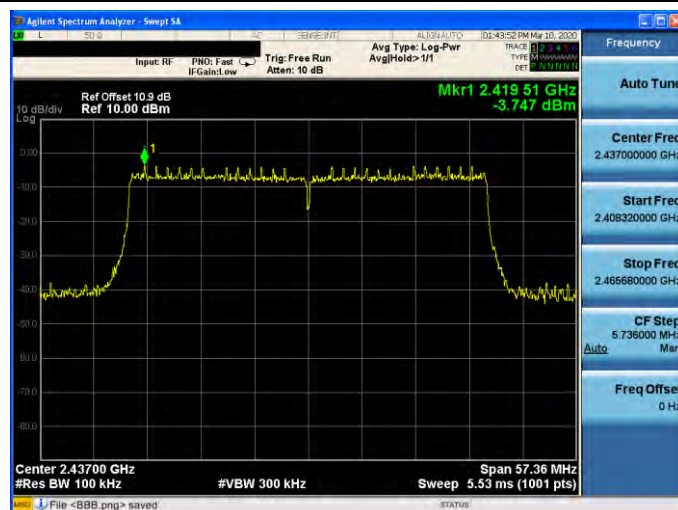


Mode 7: IEEE 802.11ax 2.4 GHz 40 MHz Continuous TX Mode_ANT-1

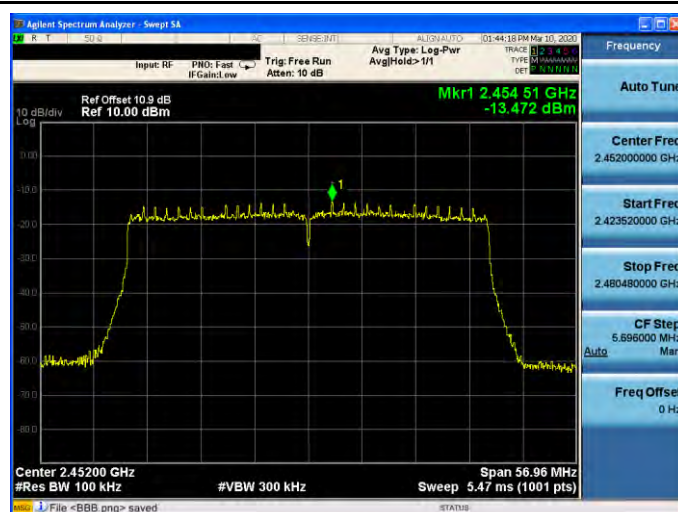
CH03



CH06



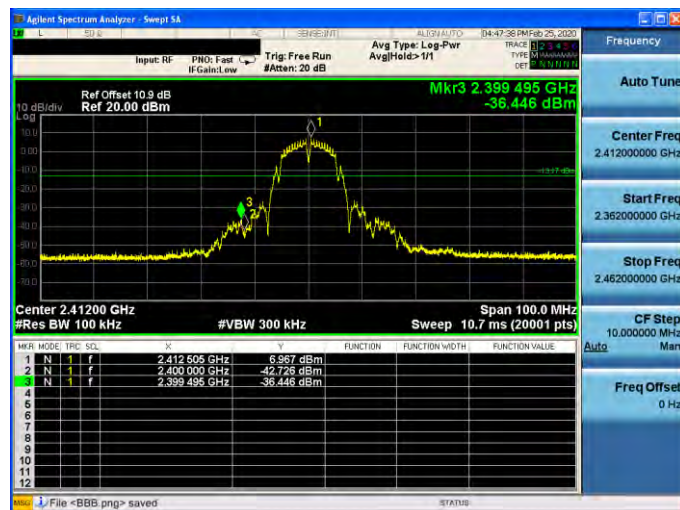
CH09



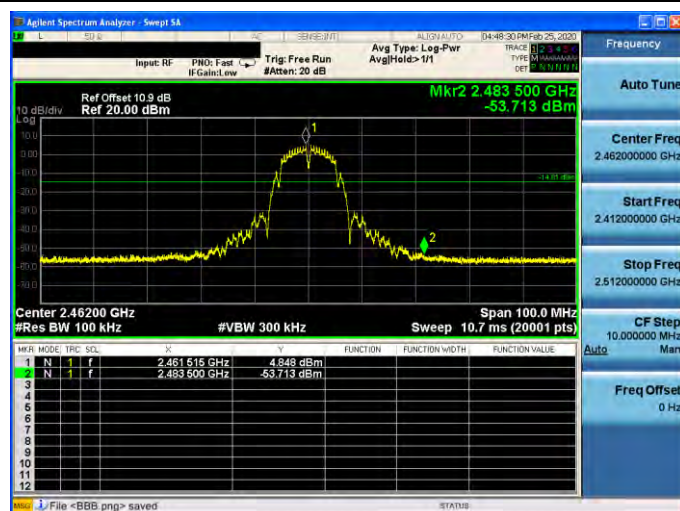
Conducted Band Edge

Mode 2: IEEE 802.11b Continuous TX Mode_ANT-0

CH01

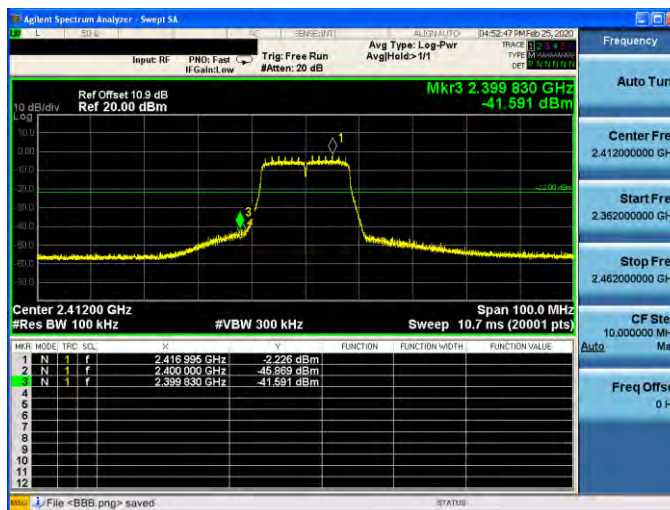


CH11

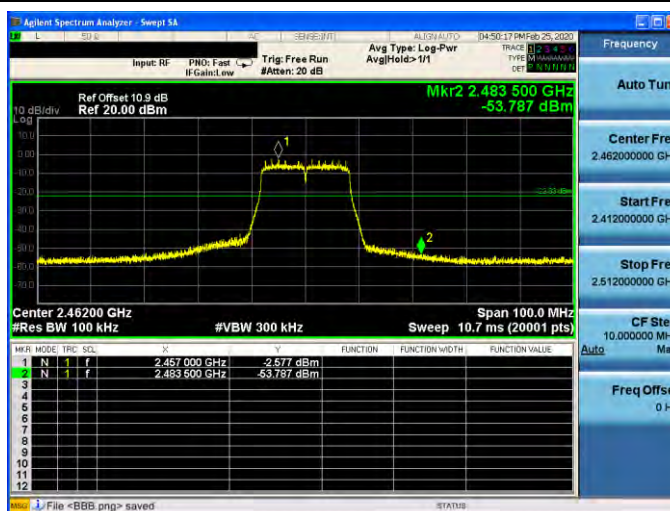


Mode 3: IEEE 802.11g Continuous TX Mode_ANT-0

CH01

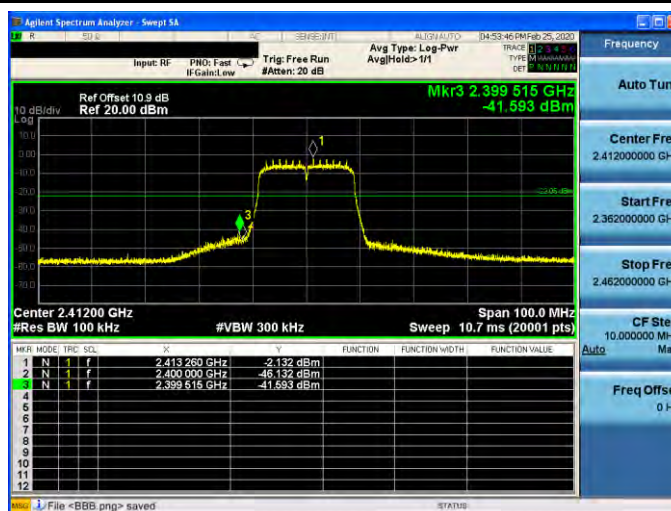


CH11

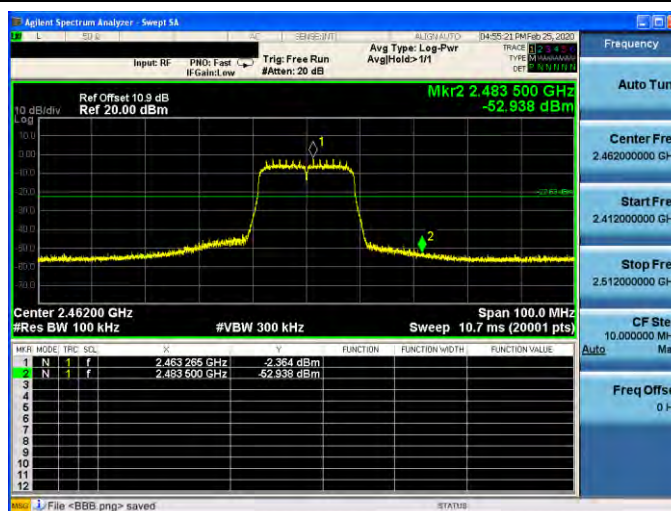


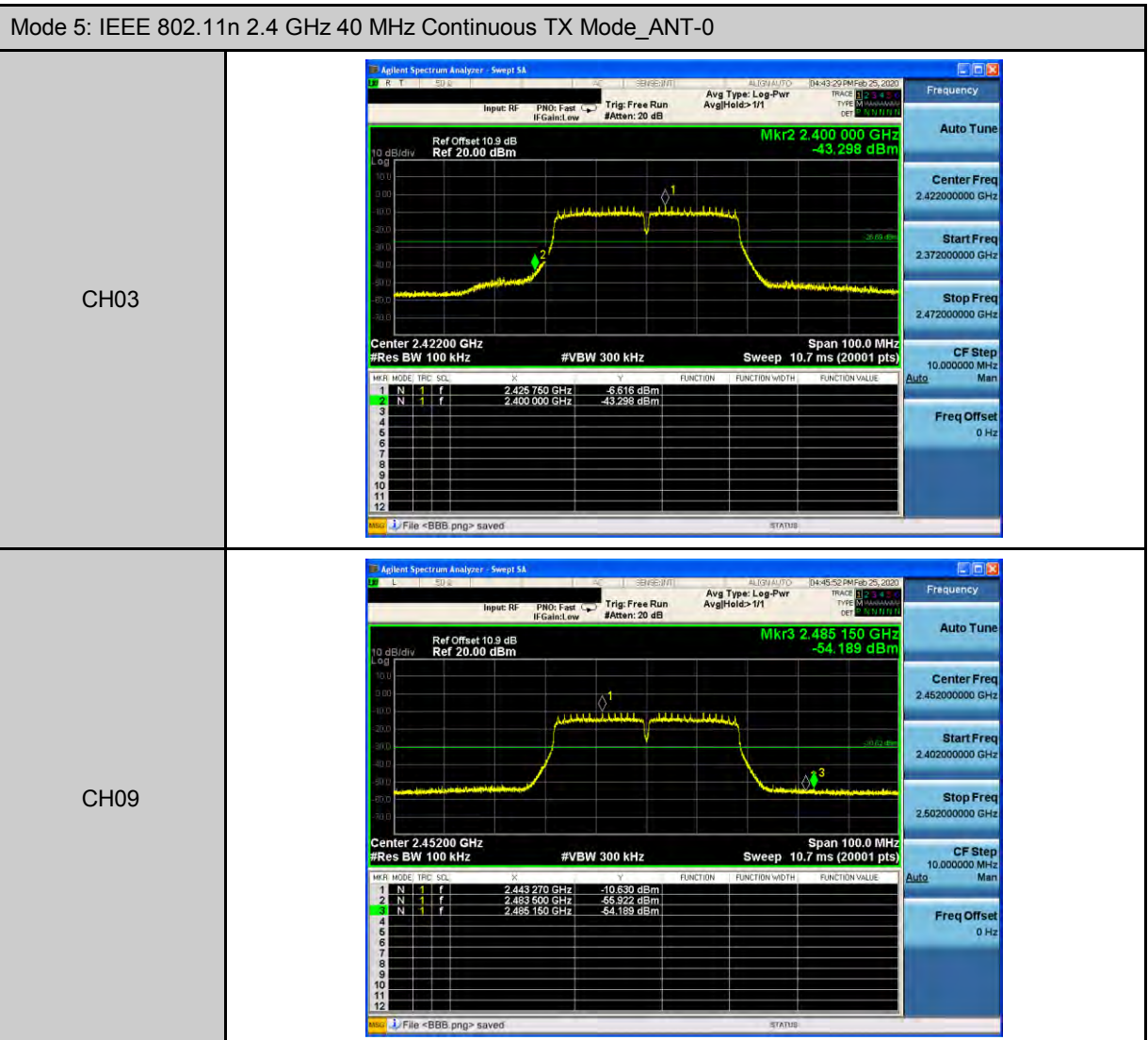
Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-0

CH01



CH11



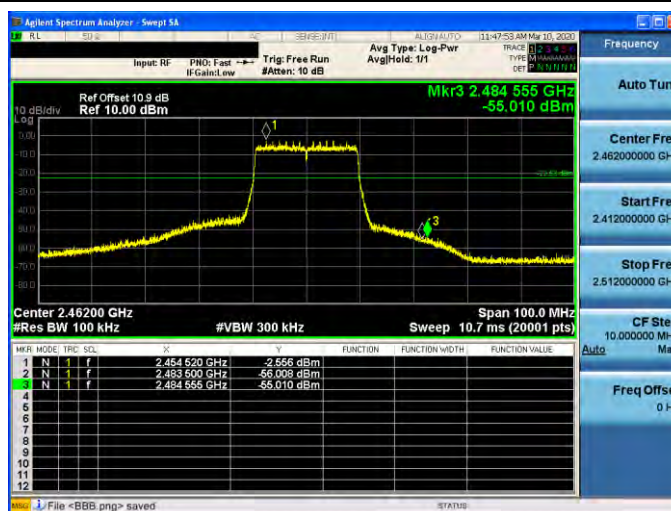


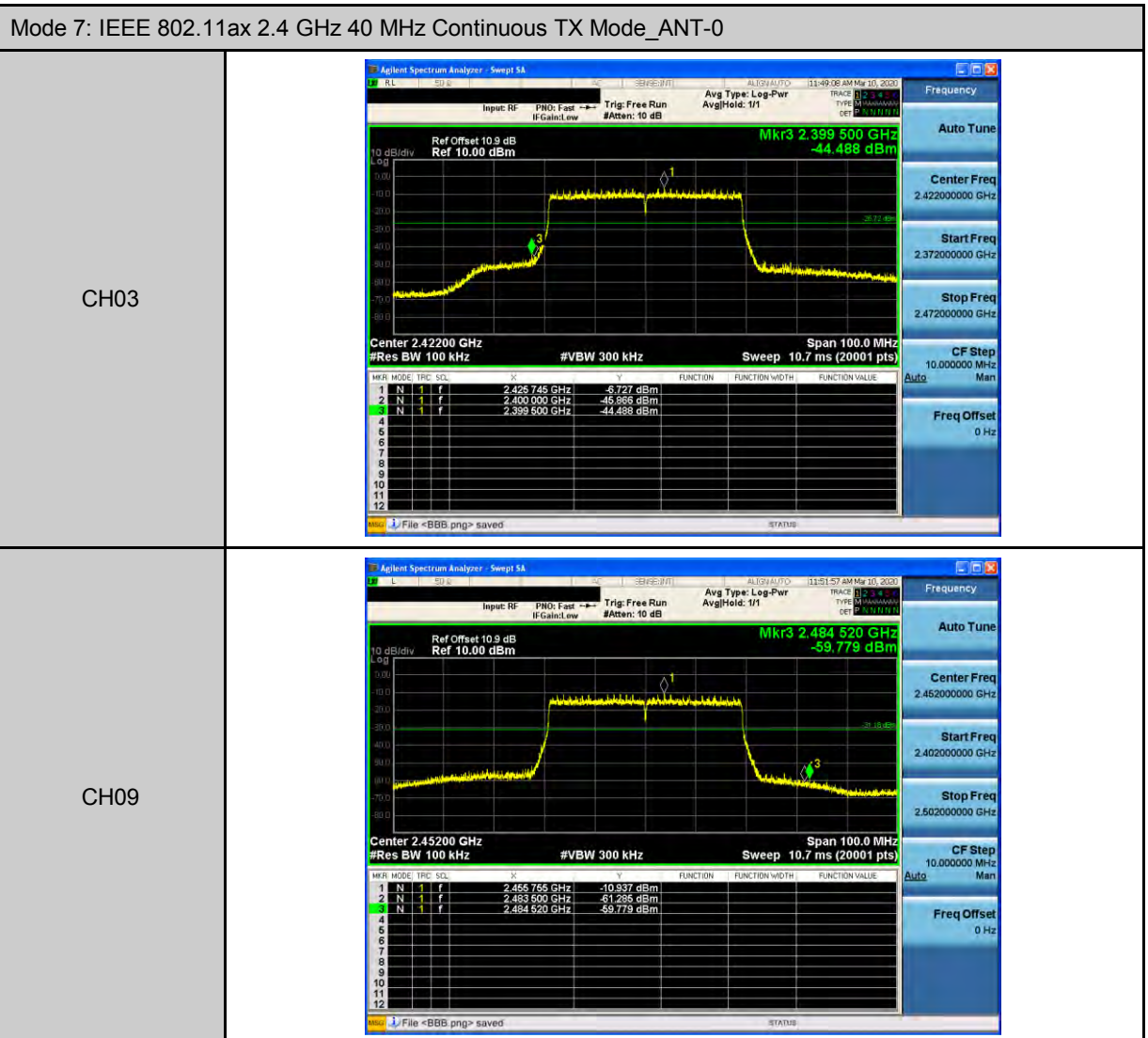
Mode 6: IEEE 802.11ax 2.4 GHz 20 MHz Continuous TX Mode_ANT-0

CH01



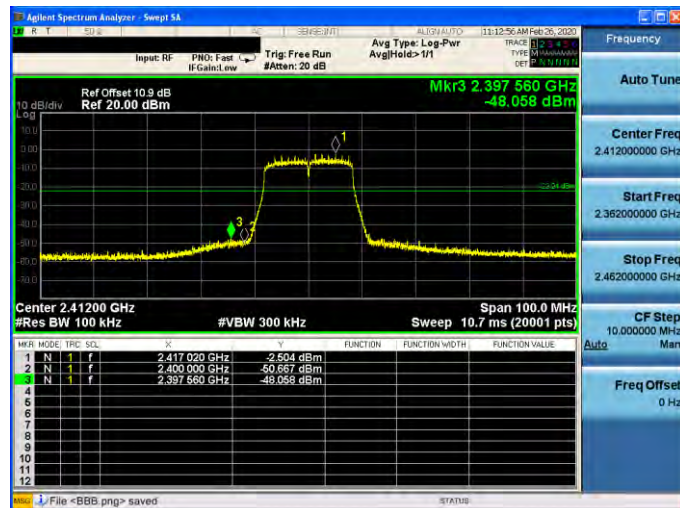
CH11



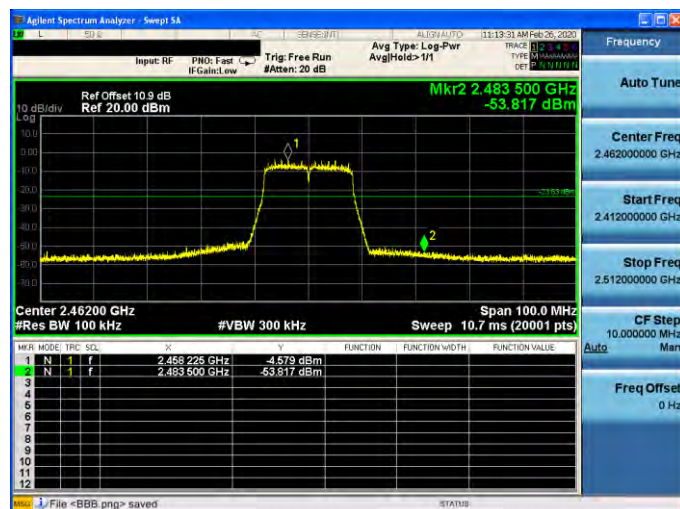


Mode 3: IEEE 802.11g Continuous TX Mode_ANT-1

CH01

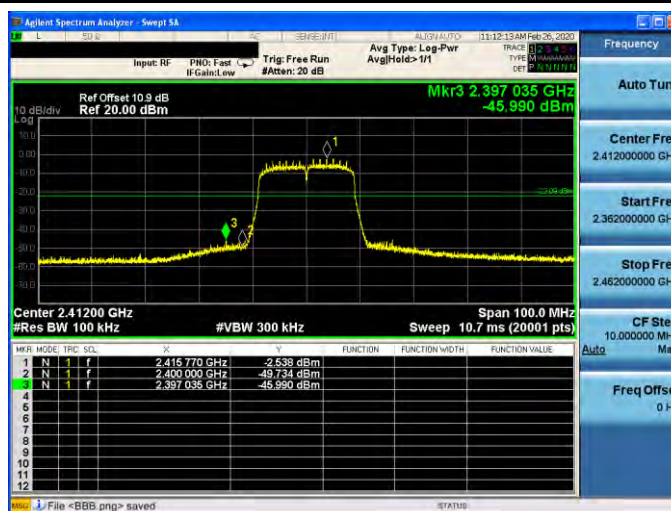


CH11

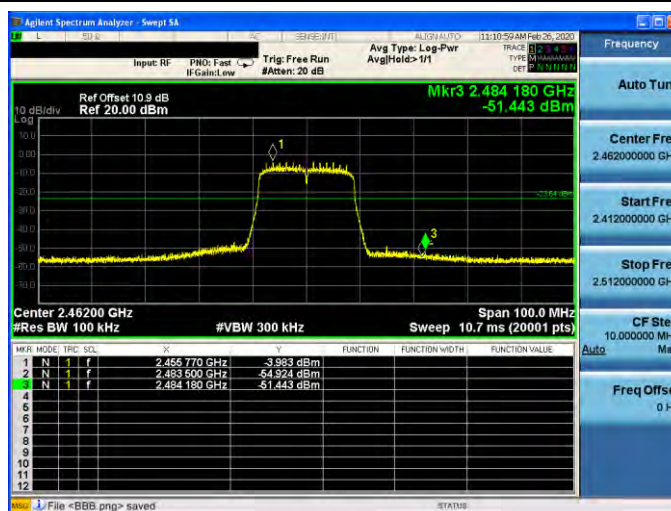


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode_ANT-1

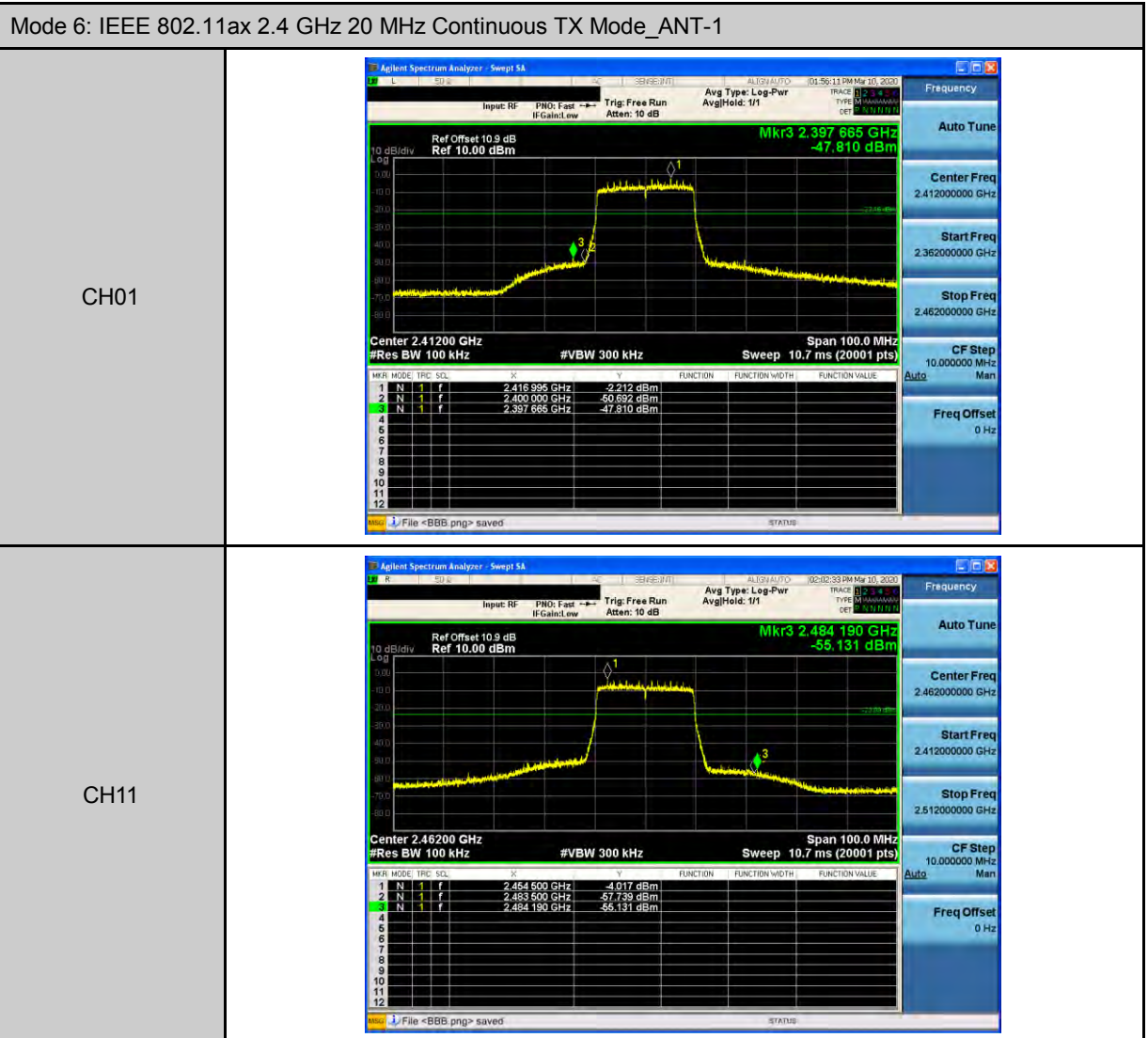
CH01



CH11

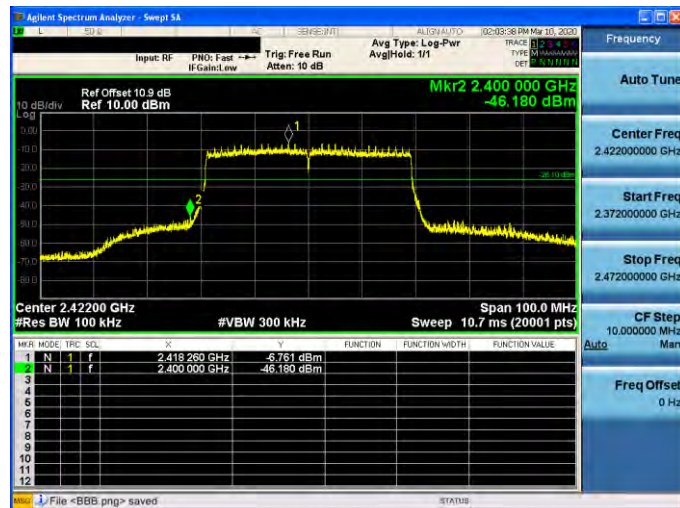






Mode 7: IEEE 802.11ax 2.4 GHz 40 MHz Continuous TX Mode_ANT-1

CH03



CH09

