



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 1908DR68

版本(Rev.) 01

產品名稱 Mobile Nail Printer

申請廠商 GUANGZHOU TAIJI ELECTRONIC CO., LTD

商標或廠牌 O'2NAILS

型式 (號) FM-NP1801V

系列型式 (號) FM-NP1802X

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

報告發行日期 108 年 09 月 06 日

填發本型式認可報告之試驗機構 (認可代號)

晶復科技股份有限公司
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財團法人全國認證基金會
認證編號 : 1330
認證有效期間 : 105.09.06 ~ 108.09.05
認可能量範圍 : 低功率射頻電機技術規範(LP0002)
2.4 GHz 射頻電信終端設備技術規範(RTTE01)

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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	108 年 08 月 29 日	初版發行	鄭安蓁
01	108 年 09 月 06 日	第 10 頁修改 Data Rate.	鄭安蓁

低功率射頻電機測試證明書

發行日期：108年09月06日

產品名稱：Mobile Nail Printer
商標：O'2NAILS
型號：FM-NP1801V
系列型號：FM-NP1802X
申請廠商：GUANGZHOU TAIJI ELECTRONIC CO., LTD
申請者地址：25/f, Everbright Bank Building, NO.685-691 Tianhe North Road,
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製造商地址：25/f, Everbright Bank Building, NO.685-691 Tianhe North Road,
Tianhe District, Guangzhou China
待測物電壓：DC 5 V, 2 A
試驗電壓：110 Vac, 60 Hz
量測規範：低功率射頻電機技術規範(LP0002) 107年1月10日
試驗實驗室：晶復科技股份有限公司(桃園市八德區長安街140-1號)
試驗受理日期：108 年 08 月 08 號
樣品接受日期：108 年 08 月 14 號
試驗完成日期：108 年 08 月 15 號

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

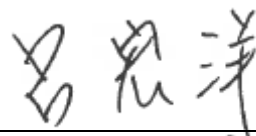
特此證明！

測試者：



(申 世 傑)

審核者：



(呂 宏 洋)

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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	Mobile Nail Printer		
商 標 或 廠 牌	O'2NAILS		
型 號	FM-NP1801V		
系 列 型 號	FM-NP1802X		
額 定 電 源	DC 5 V, 2 A		
調 變 方 式	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n 2.4 GHz 20 MHz / 40 MHz: OFDM		
頻 率 使 用 範 圍	Mode	Frequency Range (MHz)	
	IEEE 802.11b / IEEE 802.11g / IEEE 802.11n 2.4 GHz 20 MHz	2412 – 2462	
	IEEE 802.11n 2.4 GHz 40 MHz	2422 – 2452	
天 線 製 造 商	Guangzhou Taiji Electronic Co.,Ltd		
天 線 型 號	FM-NP1801V		
天 線 型 態	FPC Antenna		
天 線 增 益 值	1.24 dBi		
RF 最大輸出功率	Mode	Power	
	IEEE 802.11b	14.98 dBm	0.031 W
	IEEE 802.11g	13.87 dBm	0.024 W
	IEEE 802.11n 2.4 GHz 20 MHz	11.62 dBm	0.015 W
	IEEE 802.11n 2.4 GHz 40 MHz	2.23 dBm	0.002 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
2	USB Port	1	連接至 i-Pod

待測設備外圍說明：

電 源 線 類 別	本產品透過 USB Cable 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
USB Cable	O'2NAILS	FM-NP1801V	STD-A → Type-C Shielded, 1.0 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

系列機型、機型版別之差異說明

原機型 廠牌/型號	系列機型 廠牌/型號	差異敘述
O'2NAILS / FM-NP1801V	O'2NAILS / FM-NP1802X	差異說明：因市場銷售區隔，增加型號且新增鋁殼骨架外殼材質及顏色，其餘電路設計、印刷電路板等等並無變更。 主型號為塑膠外殼；系列型號為鋁外殼。 測試結果說明：經驗證測試主型號最為Worst，因此僅記錄主型號其結果數據。

2. 量測儀器及測試配置說明

2.1 量測設備

For Conducted

Test Period: Aug. 15, 2019

名稱	廠牌	型號	序號	本次校驗日期	校驗年限
Spectrum Analyzer	Keysight	N9010A	MY52221312	01/14/2019	1 year
Power Sensor	Anritsu	MA2411B	1126022	08/29/2018	1 year
Power Meter	Anritsu	ML2495A	1135009	08/29/2018	1 year

For Conducted Emission

Test Period: Aug. 14, 2019

名稱	廠牌	型號	序號	本次校驗日期	校驗年限
測試接收機 (9 kHz~3 GHz)	R&S	ESCI	100367	05/23/2019	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

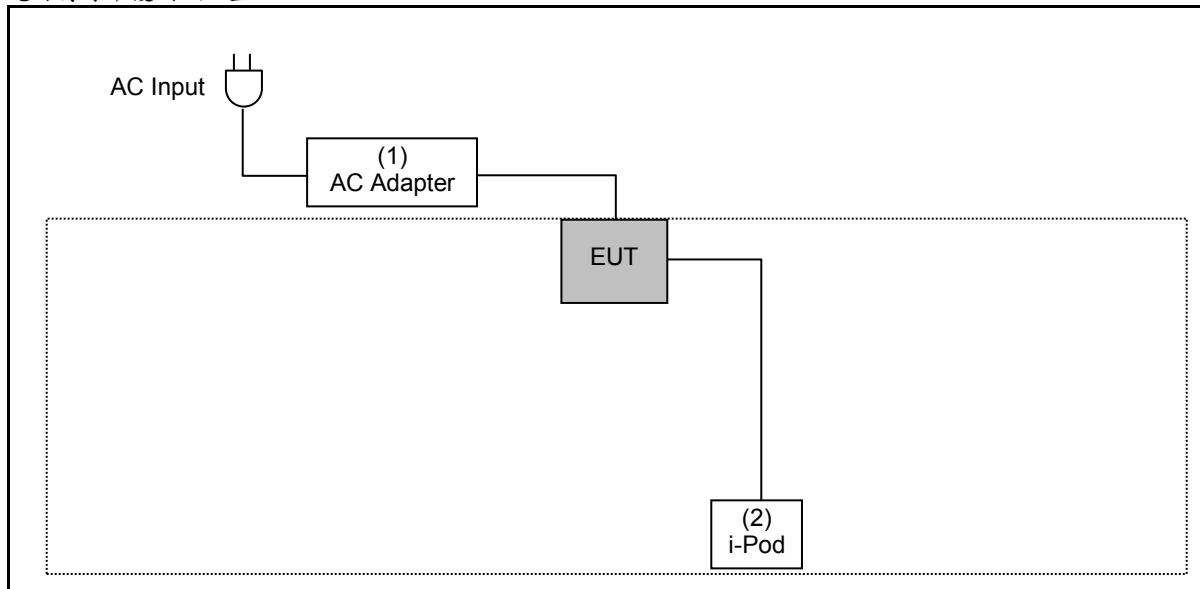
For Radiated Emissions

Test Period: Aug. 14 ~ Aug. 15, 2019

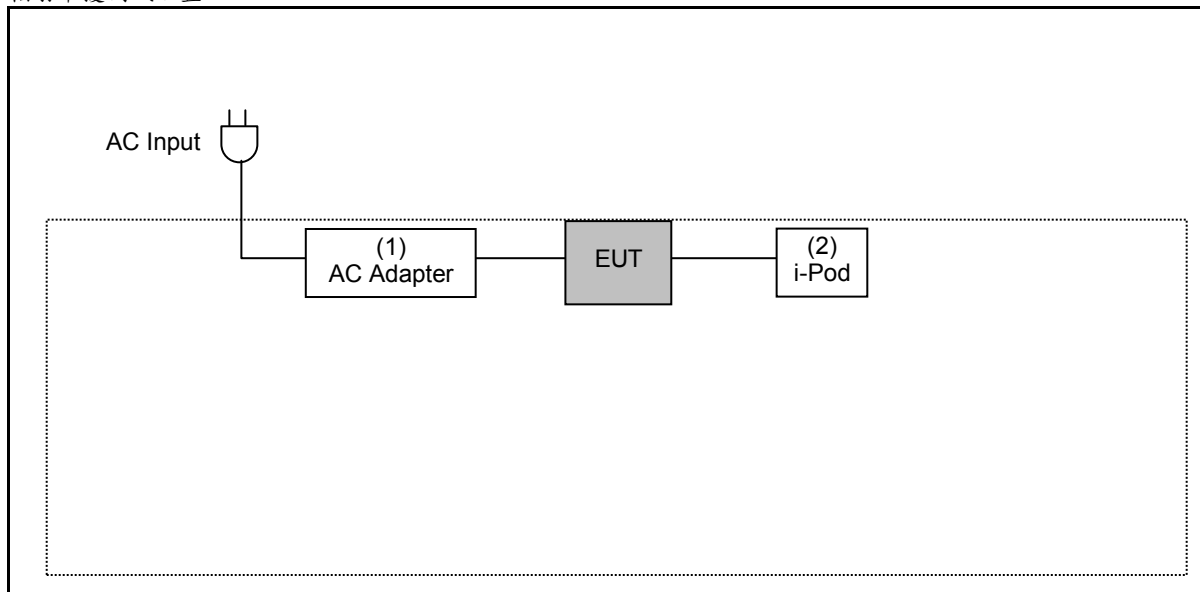
名稱	廠牌	型號	序號	本次校驗日期	校驗年限
Spectrum Analyzer	Agilent	E4445A	MY46181986	05/30/2019	1 year
Spectrum Analyzer	Agilent	N9020A	US47520902	09/25/2018	1 year
Amplifier	Agilent	8449B	3008A02456	03/20/2019	1 year
Amplifier	Agilent	8447D	2944A11120	12/13/2018	1 year
天線	SCHWARZBECK	SB AC VULB	9168-0841	11/19/2018	1 year
天線(1~18G)	ETS	3117	00152321	09/28/2018	1 year
天線(18~40G)	SCHWARZBECK MESS-ELEKTRONIK	9170	793	10/03/2018	1 year

2.2 檢驗系統示意圖

電源傳導干擾測試配置



輻射干擾測試配置



2.3 輔助測試之週邊設備描述

下列輔助設備或配件為測試中所使用，以形成一個代表性的受測系統。

週邊名稱	商標	型號	序號	電源線	備註
(1)	AC Adapter	SAMSUNG	EP-TA20JWS	---	INPUT: 100-240 VAC, 50/60 Hz, 0.5 A OUTPUT: 5 VDC, 1.2 A or 9 VDC, 1.67 A
(2)	i-Pod	Apple	A1199	YM734DKEVQ5	---

2.4 測試軟體版本

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

2.5 測試模式

Pre-Test Mode
Mode 1: Transmit Mode
Mode 2: IEEE 802.11b Continuous TX Mode
Mode 3: IEEE 802.11g Continuous TX Mode
Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX Mode
Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX Mode
Mode 6: 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: Receiver Mode

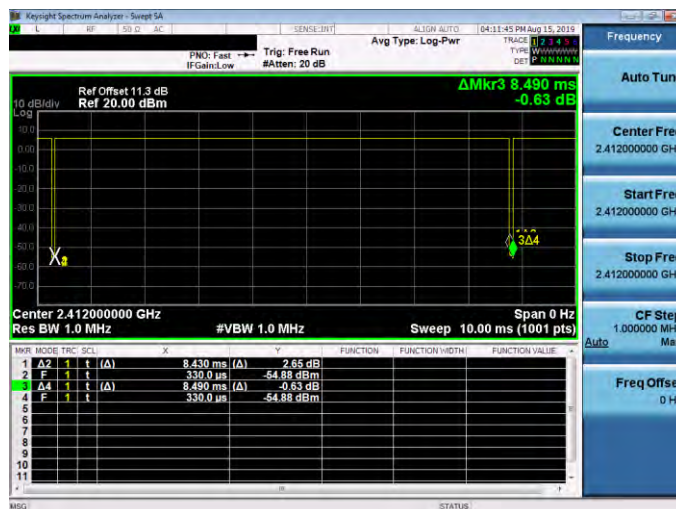
Test Mode	ANT-0
Mode 2	V
Mode 3	V
Mode 4	V
Mode 5	V

Test Mode	Antenna Delivery	Data Rate (Mbps)	Test Channel
Mode 2	1TX / 1RX	1	1, 6, 11
Mode 3	1TX / 1RX	6	1, 6, 11
Mode 4	1TX / 1RX	6.5	1, 6, 11
Mode 5	1TX / 1RX	13	3, 6, 9

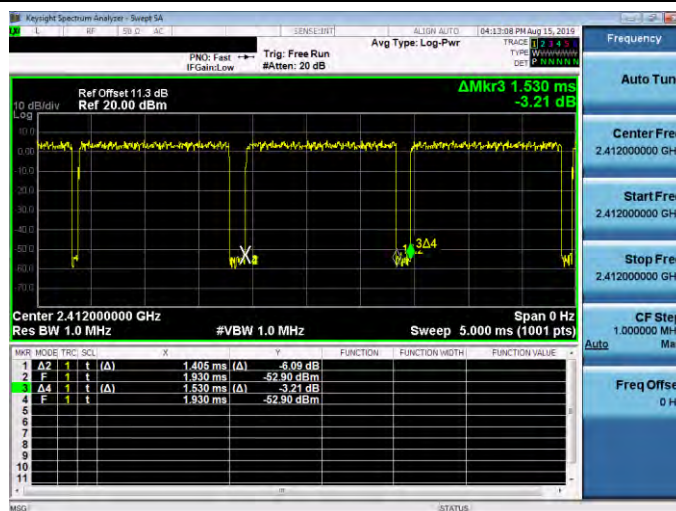
Duty cycle

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	8.430	8.490	0.993	0.031	0.010
Mode 3	2412.0	1.405	1.530	0.918	0.370	0.712
Mode 4	2412.0	1.325	1.440	0.920	0.361	0.755
Mode 5	2422.0	0.654	0.744	0.879	0.560	1.529

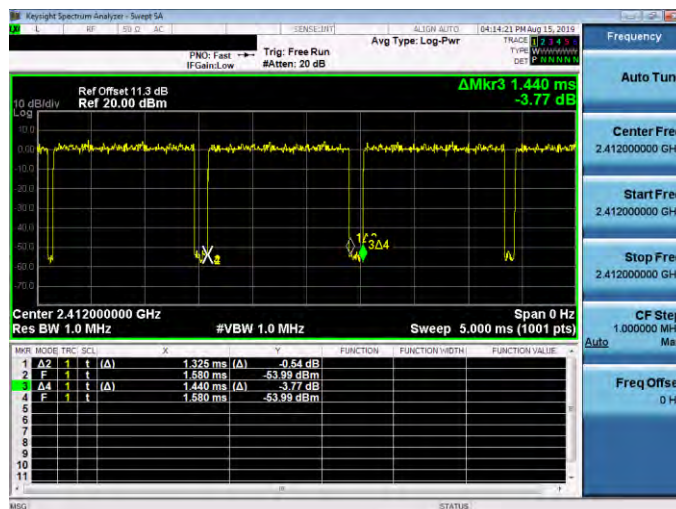
Mode 2: IEEE 802.11b Continuous TX Mode



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



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	2.8
Radiated Emission	9 kHz ~ 30 MHz	1.7
	30 MHz ~ 1000 MHz	5.7
	1000 MHz ~ 18000 MHz	5.6
	18000 MHz ~ 26500 MHz	4.9
	26500 MHz ~ 40000 MHz	4.8
Conducted Output Power	+0.27 dB / -0.28 dB	
RF Bandwidth	4.96 %	
Power Spectral Density	+0.71 dB / -0.77 dB	

Decision Rule

☒ Uncertainty is not included.

☐ Uncertainty is included.

2.7 試驗環境

產品測試時之實驗室環境條件如下：

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

3. 測試項目與結果判定總表

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

2.4 GHz 頻段適用下列表格

項次	測試項目	適用規範	測試結果	量測設備	結果判定
1	電源線傳導干擾	低功率射頻電機技術規範 2.3 節	請參閱 4.1 節	請參閱 2.1 節	合格
2	場強輻射	低功率射頻電機技術規範 2.8 節、2.9 節、3.10.1.5.(1)節	請參閱 4.2.1 節	請參閱 2.1 節	合格
3	頻帶邊緣外之輻射發射	低功率射頻電機技術規範 3.10.1.5.(1)節	請參閱 4.2.1 節	請參閱 2.1 節	合格
4	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	合格
5	天線規格	低功率射頻電機技術規範 3.10.1.3(3)、3.10.1.4 節	請參閱 4.2.3 節	-----	合格
6	非必要頻帶	低功率射頻電機技術規範 3.10.1.5(1)節	請參閱 4.2.4 節	請參閱 2.1 節	合格
7	6 dB 頻寬	低功率射頻電機技術規範 3.10.1.6(2)(A)節	請參閱 4.2.5 節	請參閱 2.1 節	合格
8	峰值發射功率頻譜密度	低功率射頻電機技術規範 3.10.1.6(2)(B)節	請參閱 4.2.6 節	請參閱 2.1 節	合格
9	電波暴露量之評估	低功率射頻電機技術規範 5.20.2.1 節、5.20.2.2 節	請參閱 4.2.7 節	請參閱 2.1 節	合格

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。

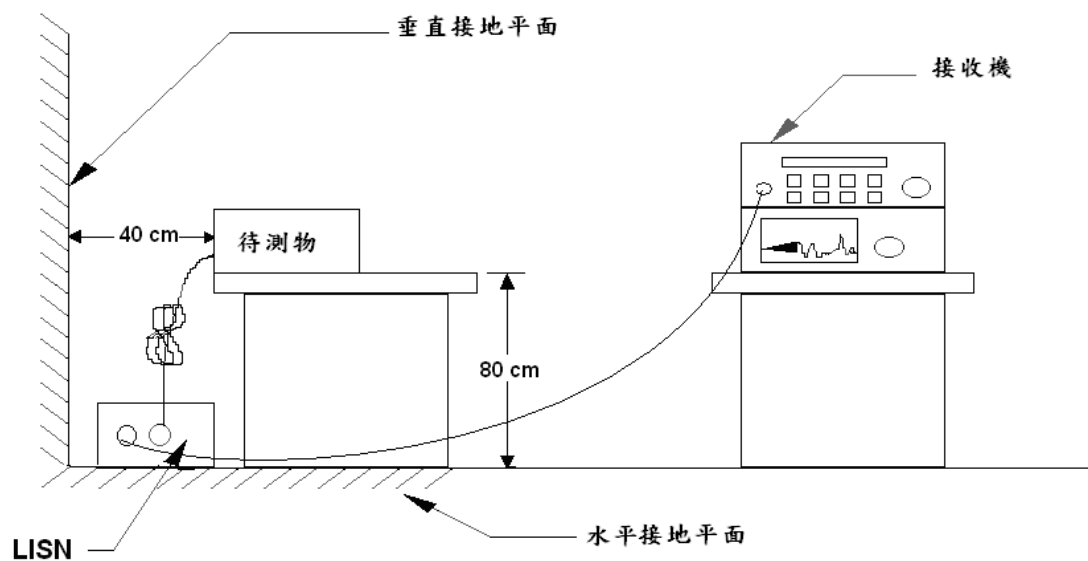
干擾值之計算

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

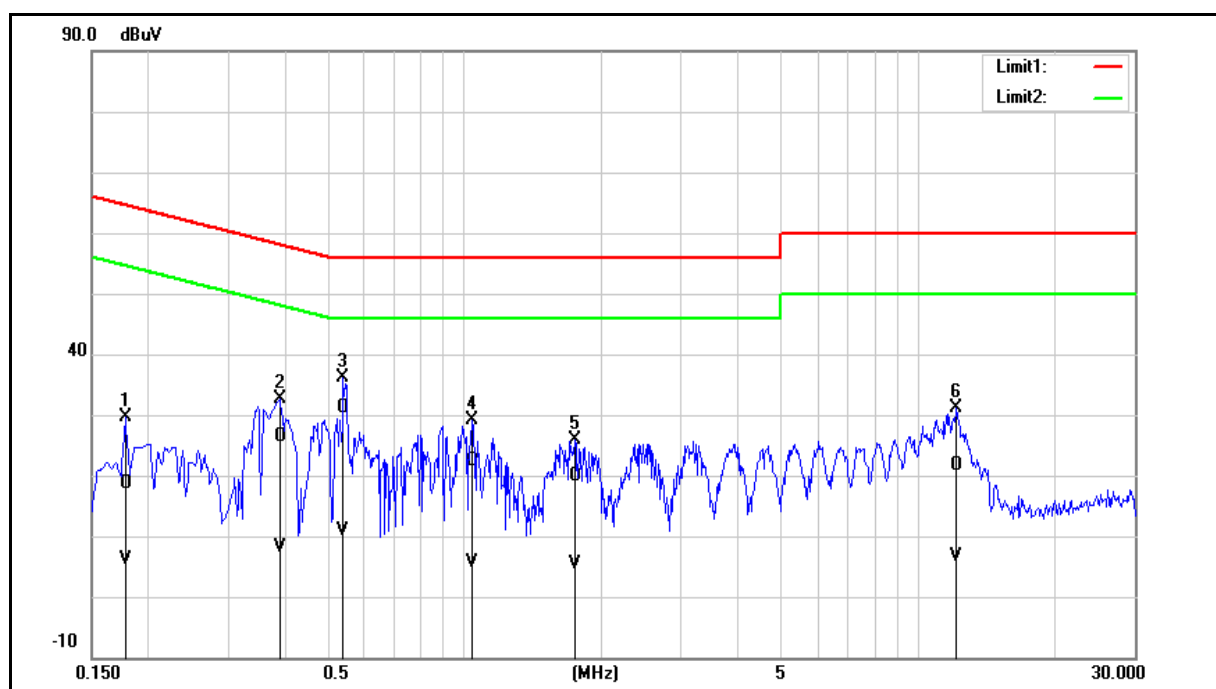
其中校正因子為：饋線損失 + 電源阻抗模擬網路損失

測試架構圖：



測試結果:

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

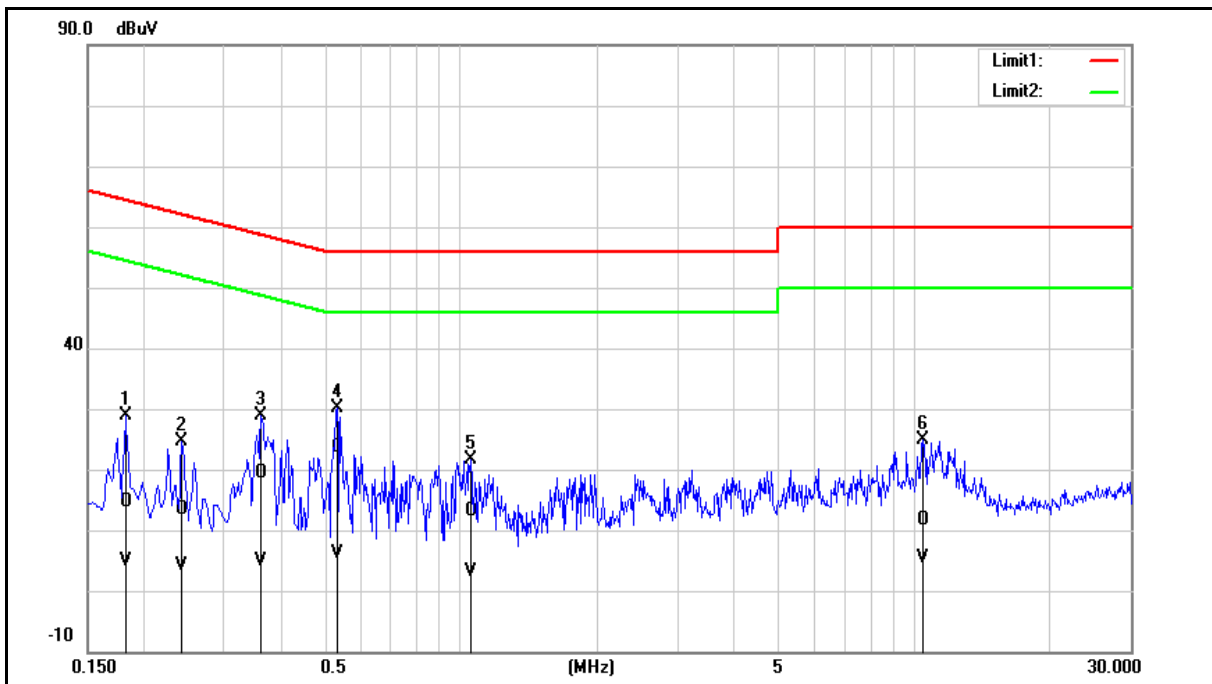


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1780	9.05	-3.63	9.65	18.70	6.02	64.58	54.58	-45.88	-48.56	Pass
2	0.3900	16.78	-1.48	9.66	26.44	8.18	58.06	48.06	-31.62	-39.88	Pass
3	0.5380	22.20	1.10	9.67	31.87	10.77	56.00	46.00	-24.13	-35.23	Pass
4	1.0380	12.65	-3.99	9.70	22.35	5.71	56.00	46.00	-33.65	-40.29	Pass
5	1.7500	10.09	-4.40	9.74	19.83	5.34	56.00	46.00	-36.17	-40.66	Pass
6	12.1820	11.57	-3.38	10.13	21.70	6.75	60.00	50.00	-38.30	-43.25	Pass

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

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

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



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1820	5.04	-4.80	9.68	14.72	4.88	64.39	54.39	-49.67	-49.51	Pass
2	0.2420	3.79	-5.68	9.70	13.49	4.02	62.03	52.03	-48.54	-48.01	Pass
3	0.3620	9.72	-4.82	9.72	19.44	4.90	58.68	48.68	-39.24	-43.78	Pass
4	0.5340	13.82	-3.62	9.74	23.56	6.12	56.00	46.00	-32.44	-39.88	Pass
5	1.0540	3.33	-6.60	9.78	13.11	3.18	56.00	46.00	-42.89	-42.82	Pass
6	10.4140	1.35	-4.83	10.17	11.52	5.34	60.00	50.00	-48.48	-44.66	Pass

註：1. $QP / AVG \text{ result (dBuV)} = \text{Correction factor (dB)} + QP / AVG \text{ reading (dBuV)}$ 。

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

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。

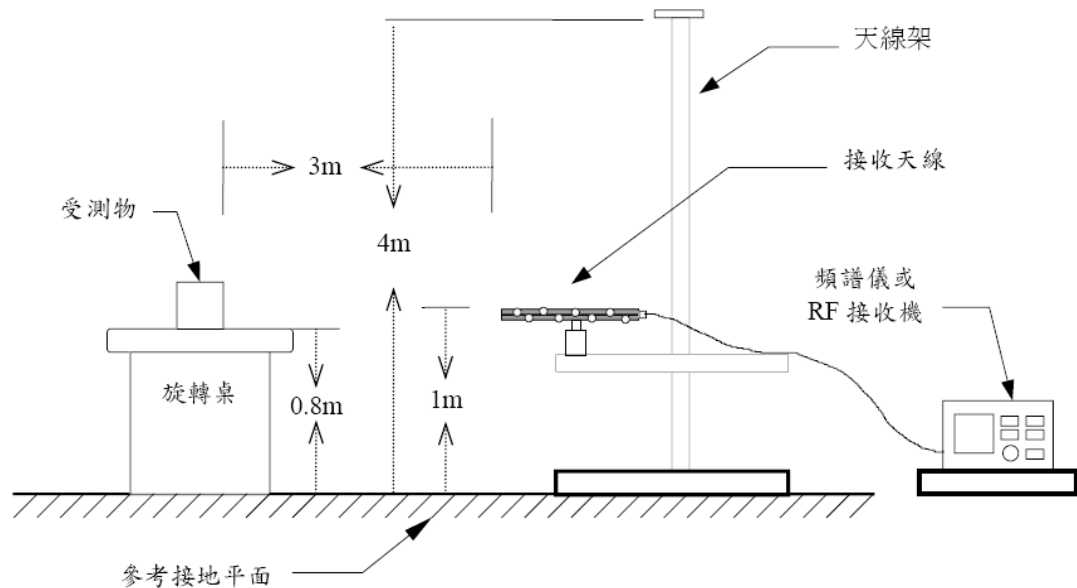
場強度之計算

場強之計算公式為：結果值 = 讀值 + 校正因子

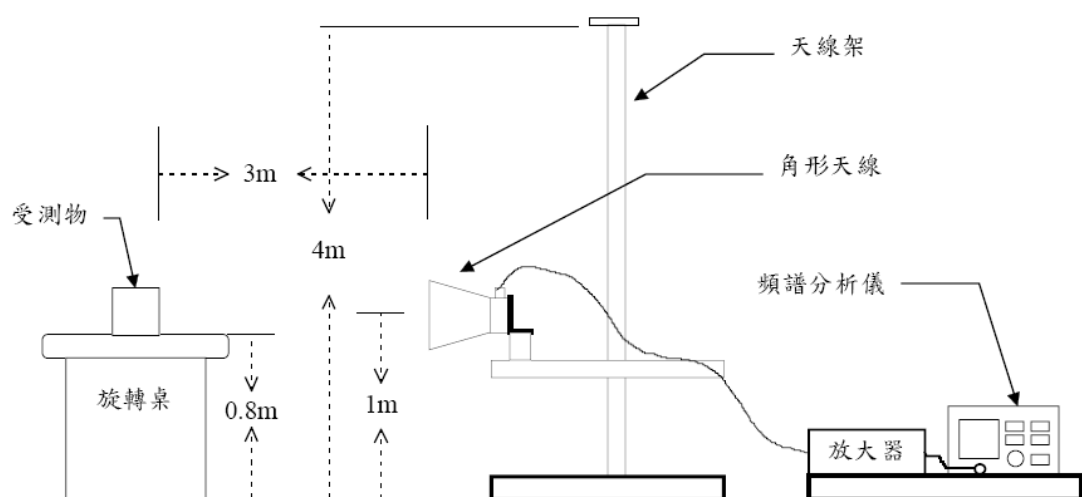
其中校正因子為：天線因子+ 饋線損失 + 濾波器損失（若有使用） - 放大器增益（若有使用）

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



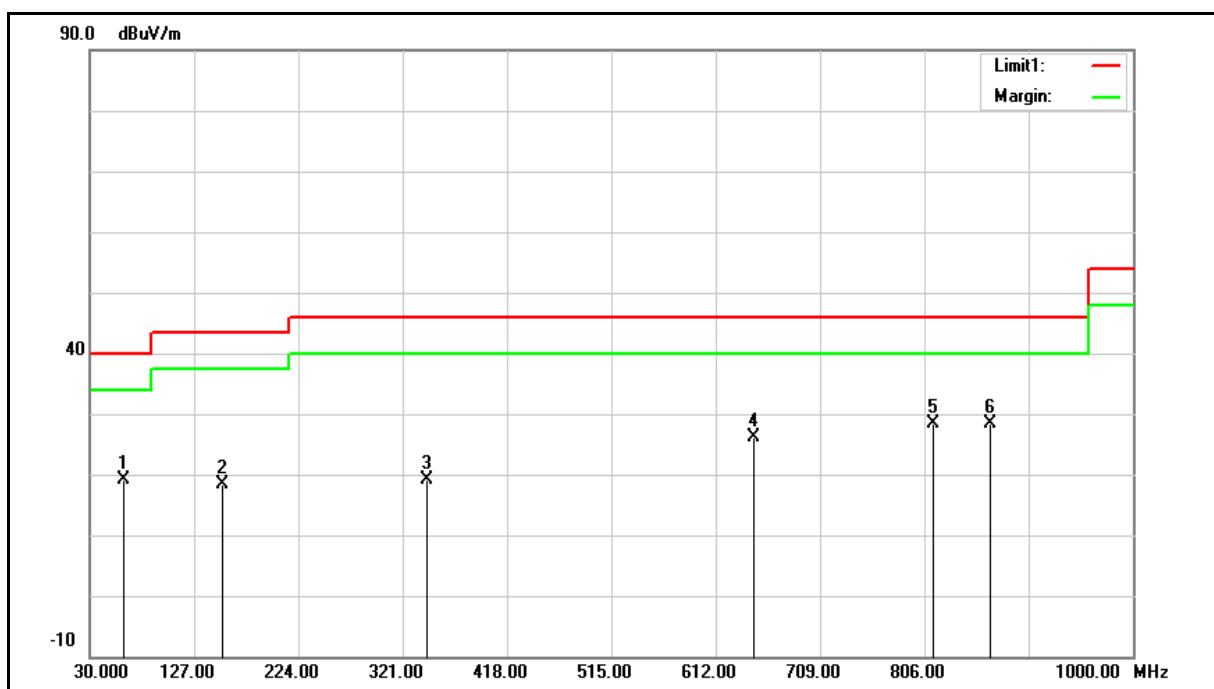
測試結果：

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:	Harmonic	Power:	AC 110 V/60 Hz
Frequency:	2462 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Test 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	61.0400	31.22	-11.98	19.24	40.00	-20.76	QP
2	153.1900	29.67	-11.39	18.28	43.50	-25.22	QP
3	343.3100	28.94	-9.83	19.11	46.00	-26.89	QP
4	646.9200	29.30	-3.18	26.12	46.00	-19.88	QP
5	813.7600	28.86	-0.59	28.27	46.00	-17.73	QP
6	867.1100	28.46	-0.17	28.29	46.00	-17.71	QP

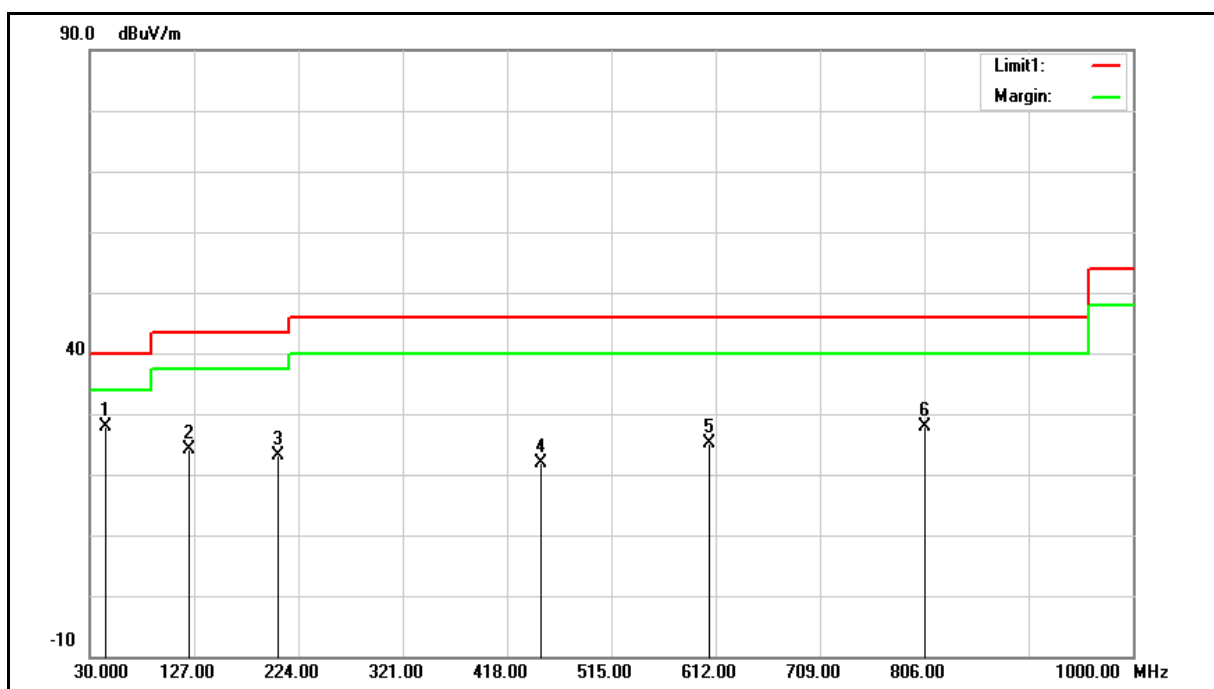
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 19.24 = -11.98 + 31.22

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

3.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
Test 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	44.5500	39.56	-11.79	27.77	40.00	-12.23	QP
2	122.1500	38.10	-13.89	24.21	43.50	-19.29	QP
3	205.5700	37.83	-14.73	23.10	43.50	-20.40	QP
4	450.0100	29.07	-7.14	21.93	46.00	-24.07	QP
5	606.1800	28.88	-3.69	25.19	46.00	-20.81	QP
6	806.9700	28.63	-0.64	27.99	46.00	-18.01	QP

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

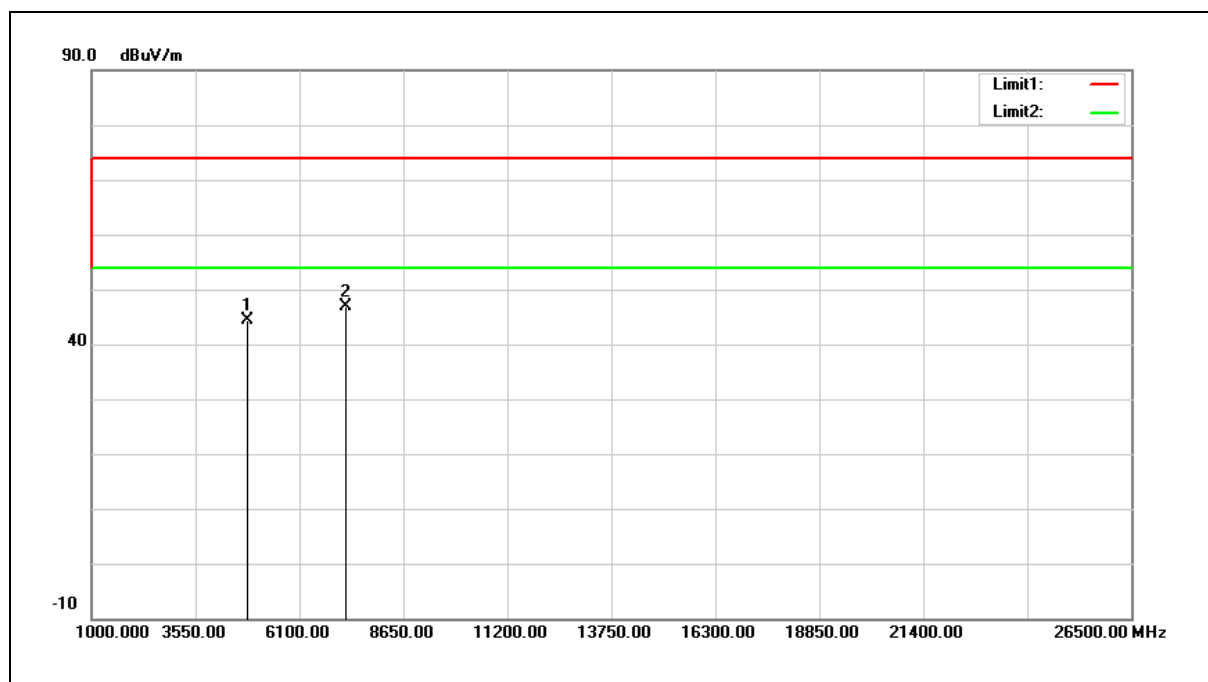
Example: $27.77 = -11.79 + 39.56$

2.Correction factor (dB/m) = Antenna Factor (dB/m) + 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	49.52	-5.05	44.47	74.00	-29.53	peak
2	7236.000	47.73	-0.88	46.85	74.00	-27.15	peak

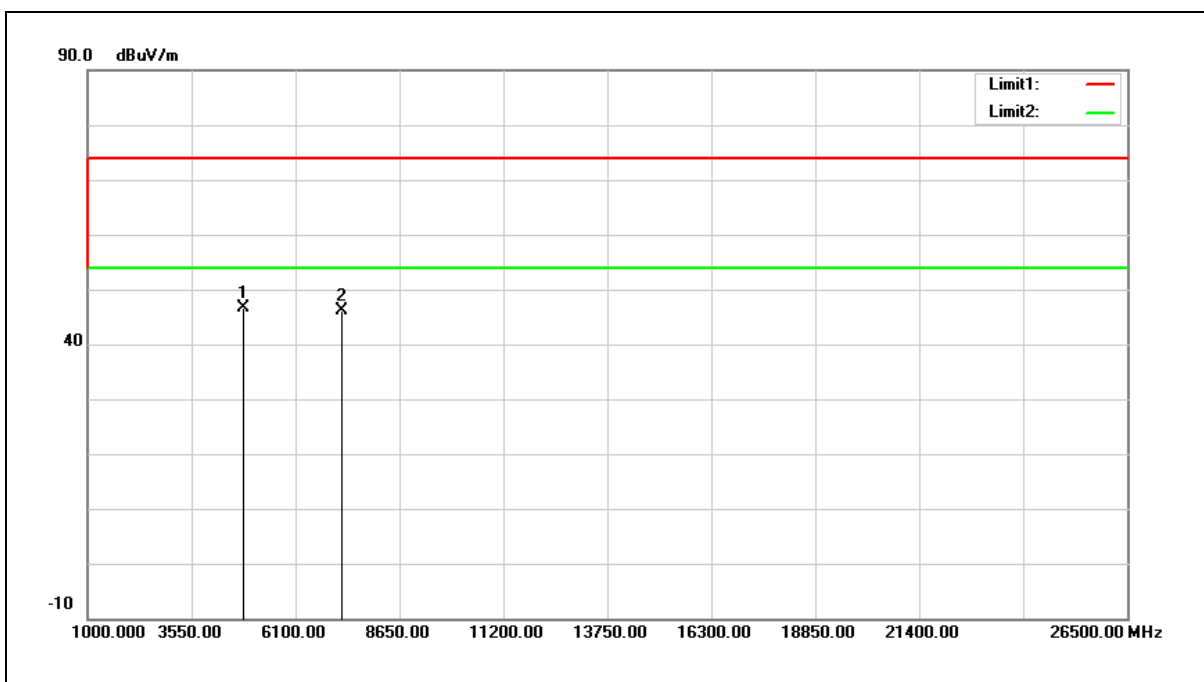
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

Example: $44.47 = -5.05 + 49.52$

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

3. 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	51.76	-5.05	46.71	74.00	-27.29	peak
2	7236.000	47.00	-0.88	46.12	74.00	-27.88	peak

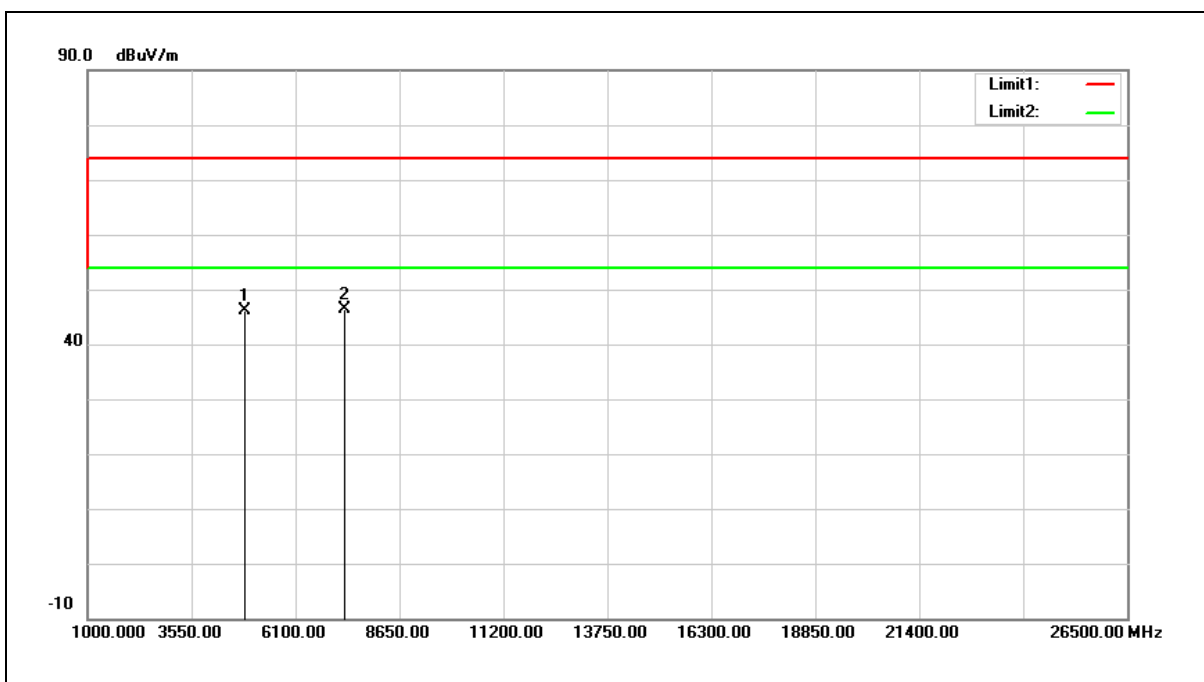
Note: 1. Result (dBuV/m) = Correct Factor (dB/m) + Reading (dBuV).

Example: $46.71 = -5.05 + 51.76$

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

3. 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		



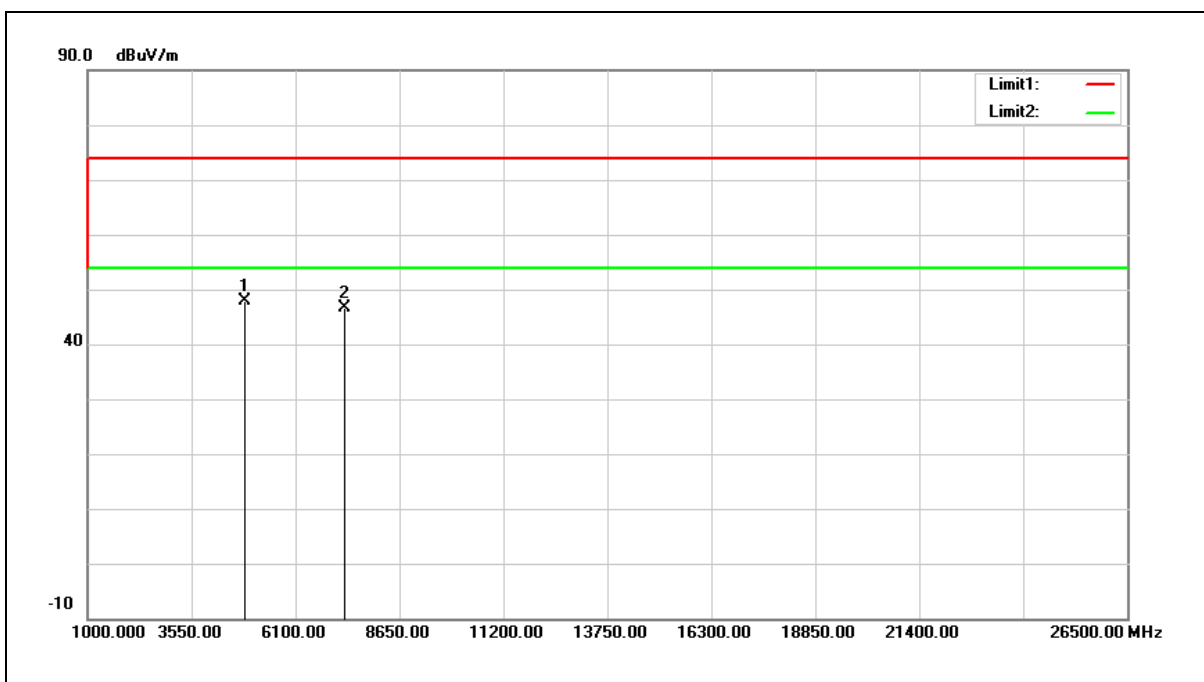
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	51.17	-5.09	46.08	74.00	-27.92	peak
2	7311.000	47.12	-0.67	46.45	74.00	-27.55	peak

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



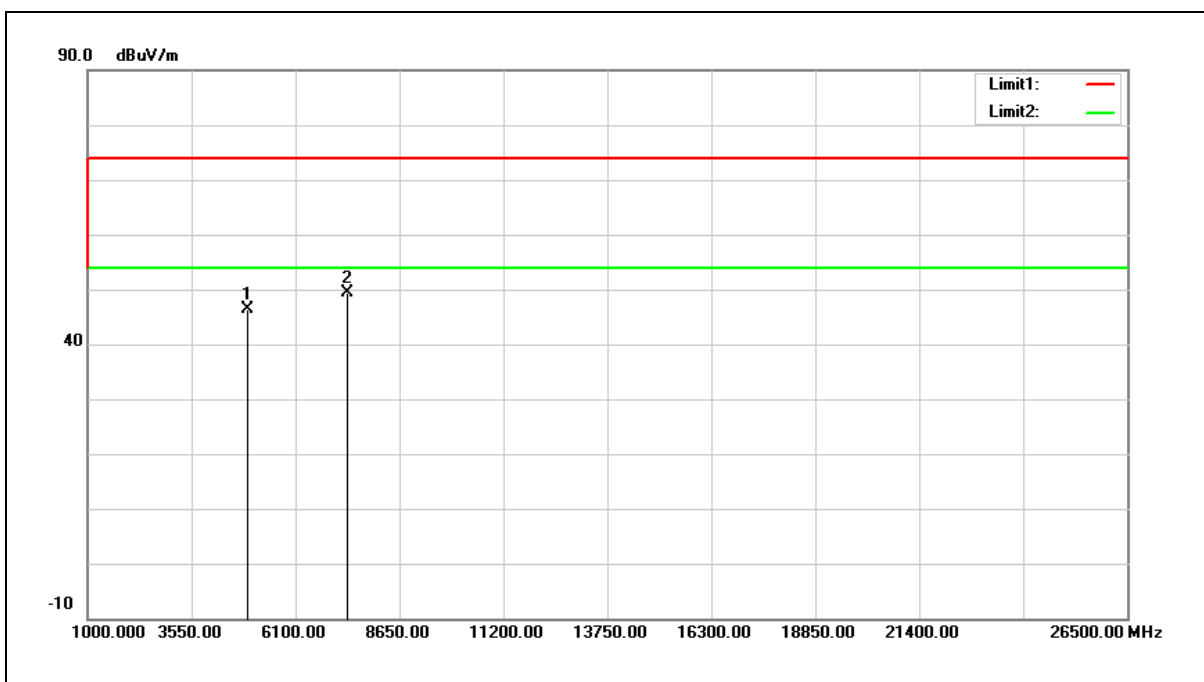
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	53.06	-5.09	47.97	74.00	-26.03	peak
2	7311.000	47.20	-0.67	46.53	74.00	-27.47	peak

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

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

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

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



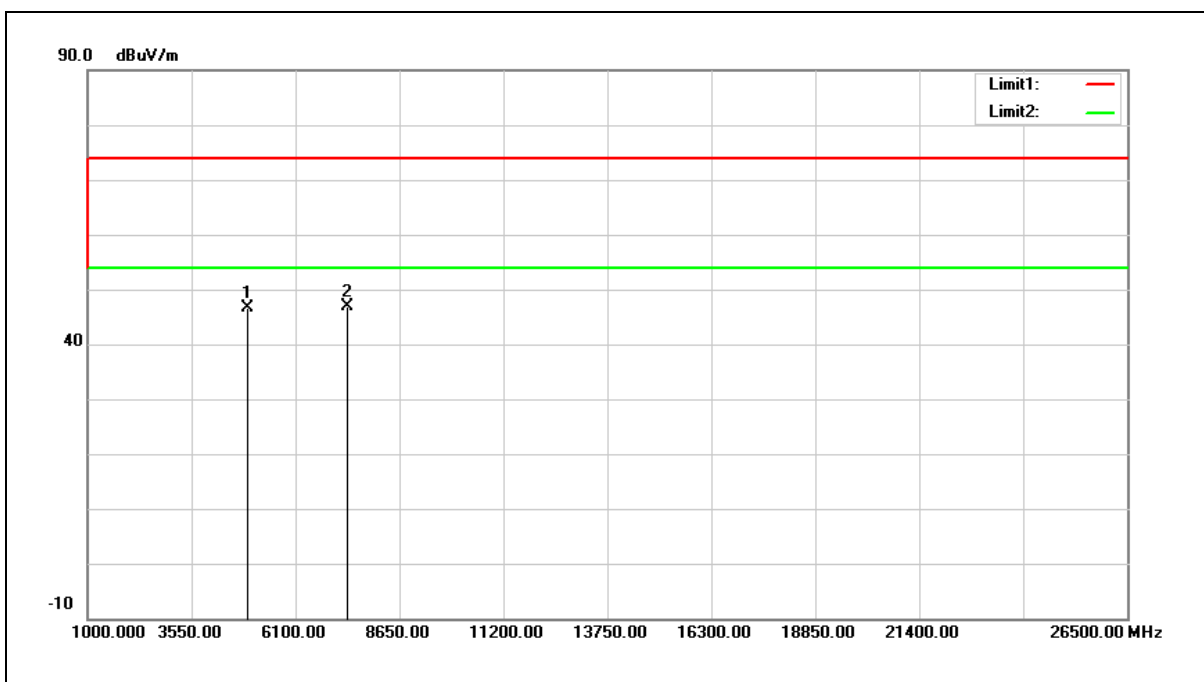
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	51.51	-5.14	46.37	74.00	-27.63	peak
2	7386.000	49.83	-0.45	49.38	74.00	-24.62	peak

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

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

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

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



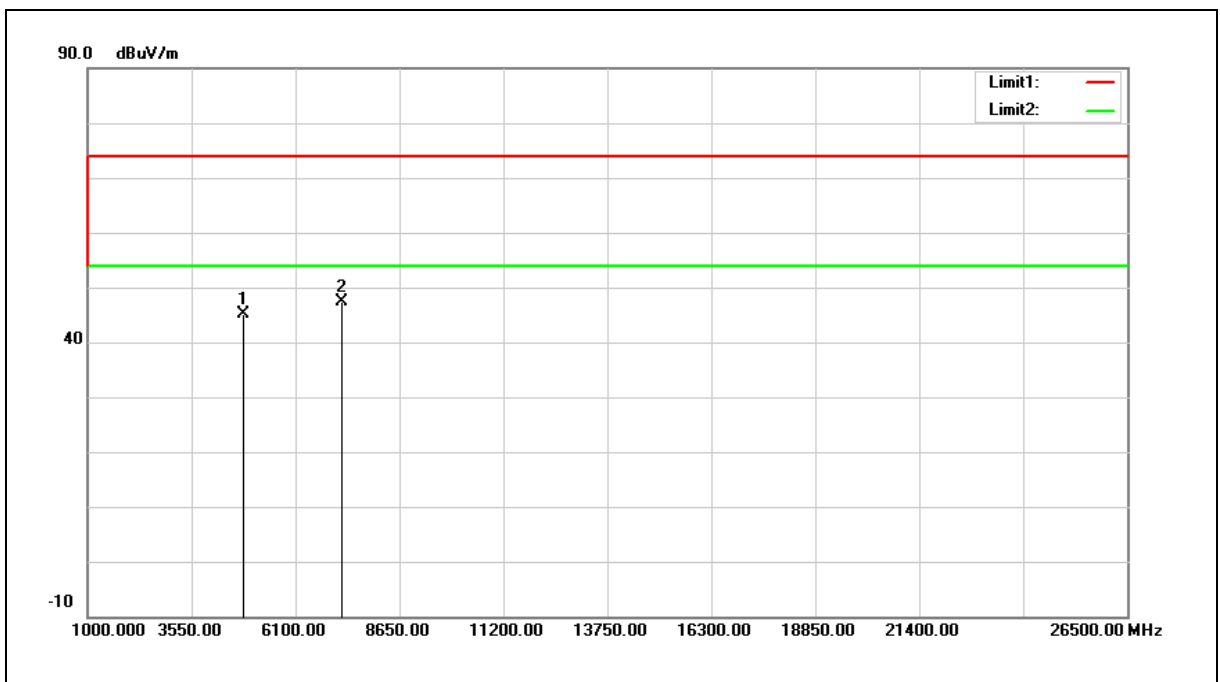
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	51.76	-5.14	46.62	74.00	-27.38	peak
2	7386.000	47.26	-0.45	46.81	74.00	-27.19	peak

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

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

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

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



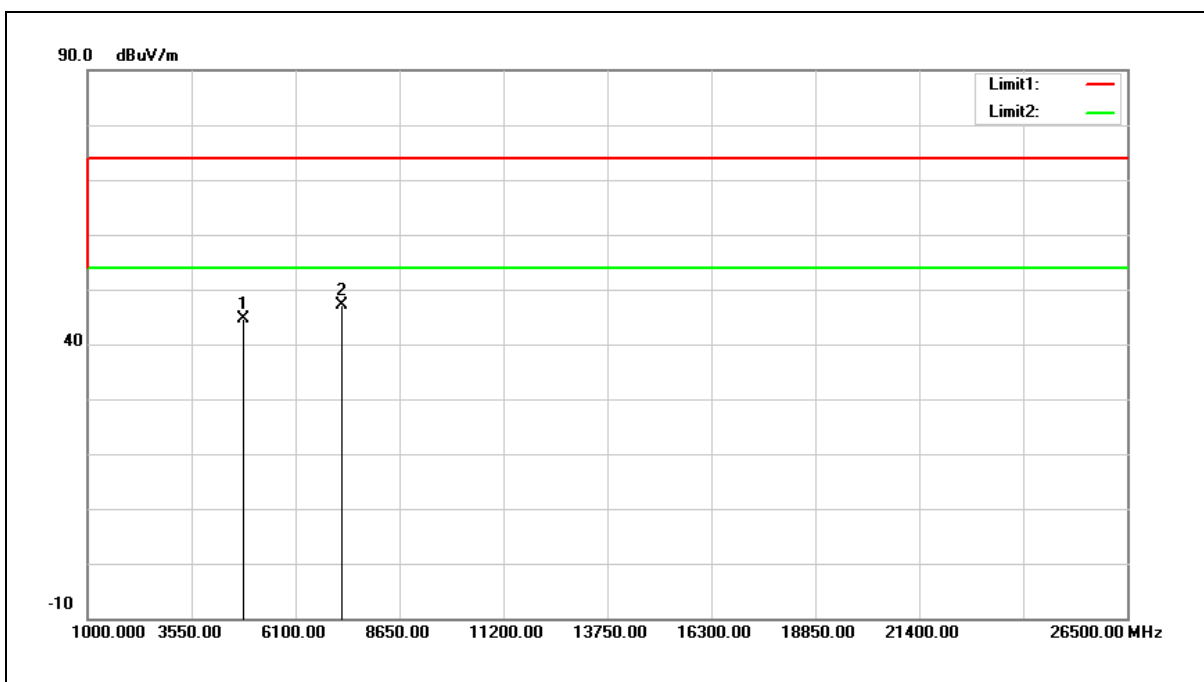
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	50.23	-5.05	45.18	74.00	-28.82	peak
2	7236.000	48.16	-0.88	47.28	74.00	-26.72	peak

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

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

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

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



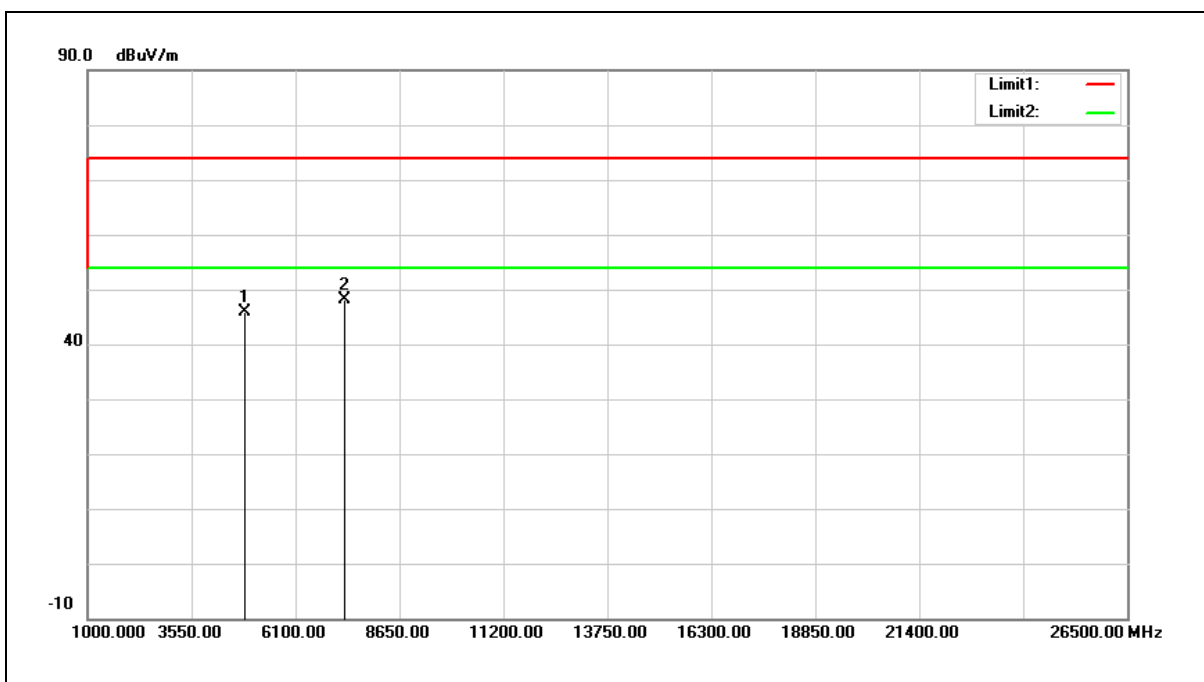
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	49.65	-5.05	44.60	74.00	-29.40	peak
2	7236.000	47.92	-0.88	47.04	74.00	-26.96	peak

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

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

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

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



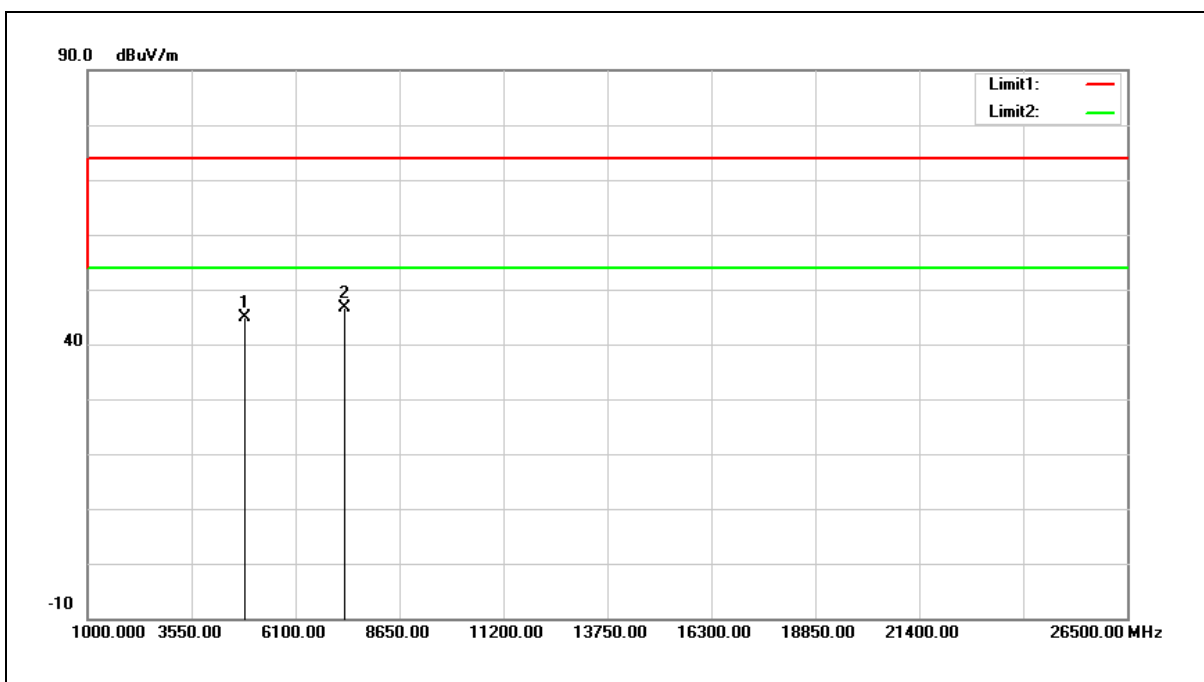
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	51.05	-5.09	45.96	74.00	-28.04	peak
2	7311.000	48.84	-0.67	48.17	74.00	-25.83	peak

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

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

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

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



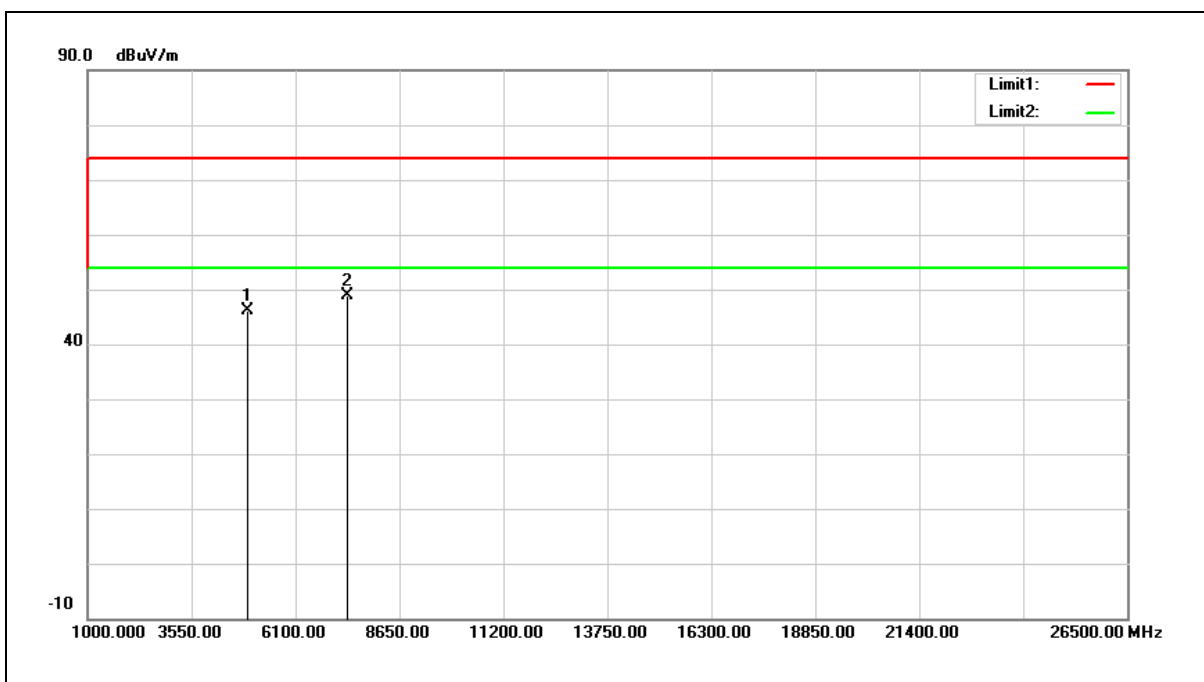
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	49.86	-5.09	44.77	74.00	-29.23	peak
2	7311.000	47.28	-0.67	46.61	74.00	-27.39	peak

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

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

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

Standard:	LP0002	Test Distance:	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		



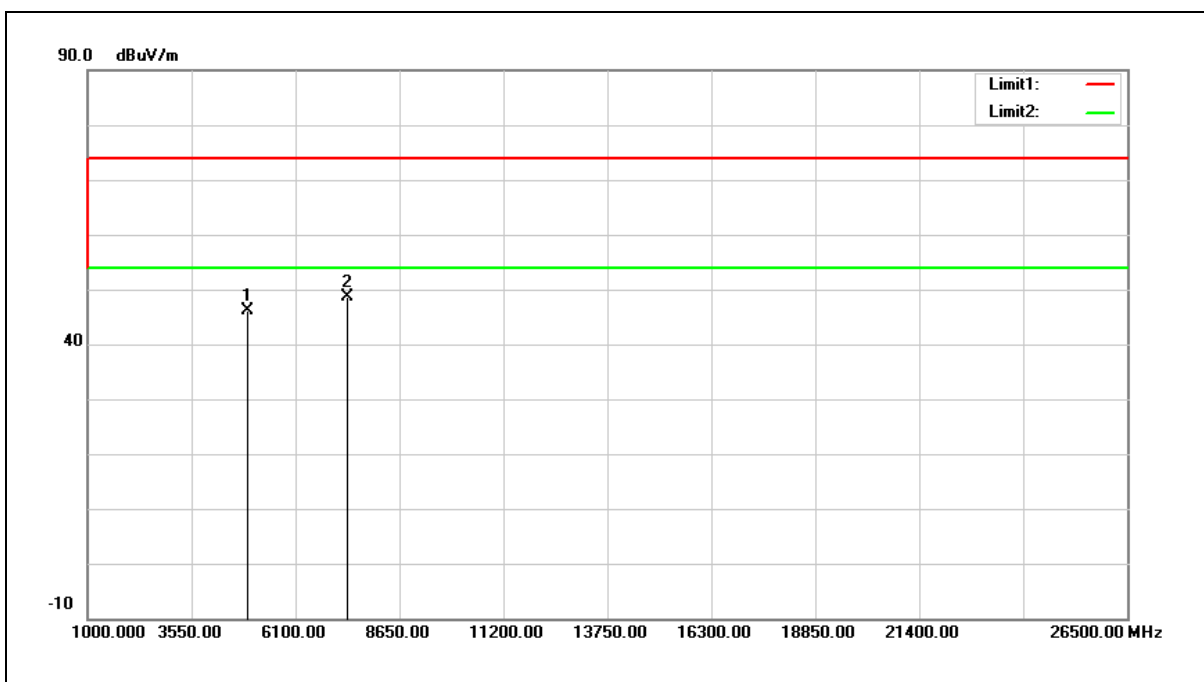
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	51.22	-5.14	46.08	74.00	-27.92	peak
2	7386.000	49.22	-0.45	48.77	74.00	-25.23	peak

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

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

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

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



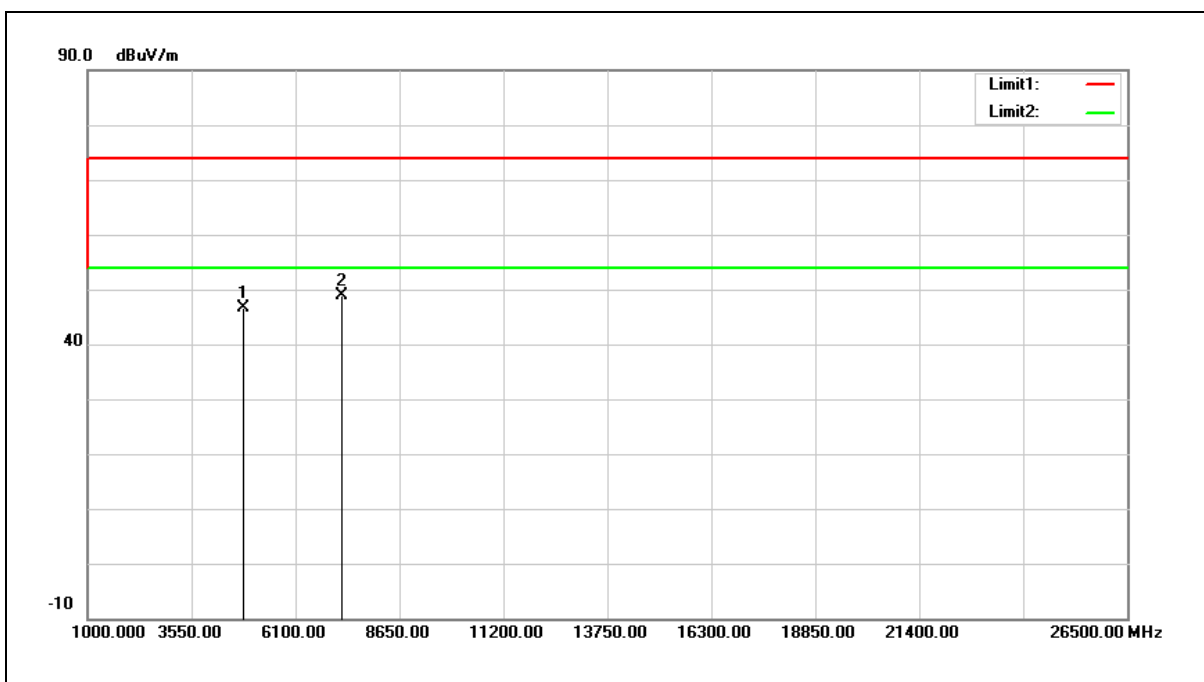
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	51.31	-5.14	46.17	74.00	-27.83	peak
2	7386.000	49.19	-0.45	48.74	74.00	-25.26	peak

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:	2412 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



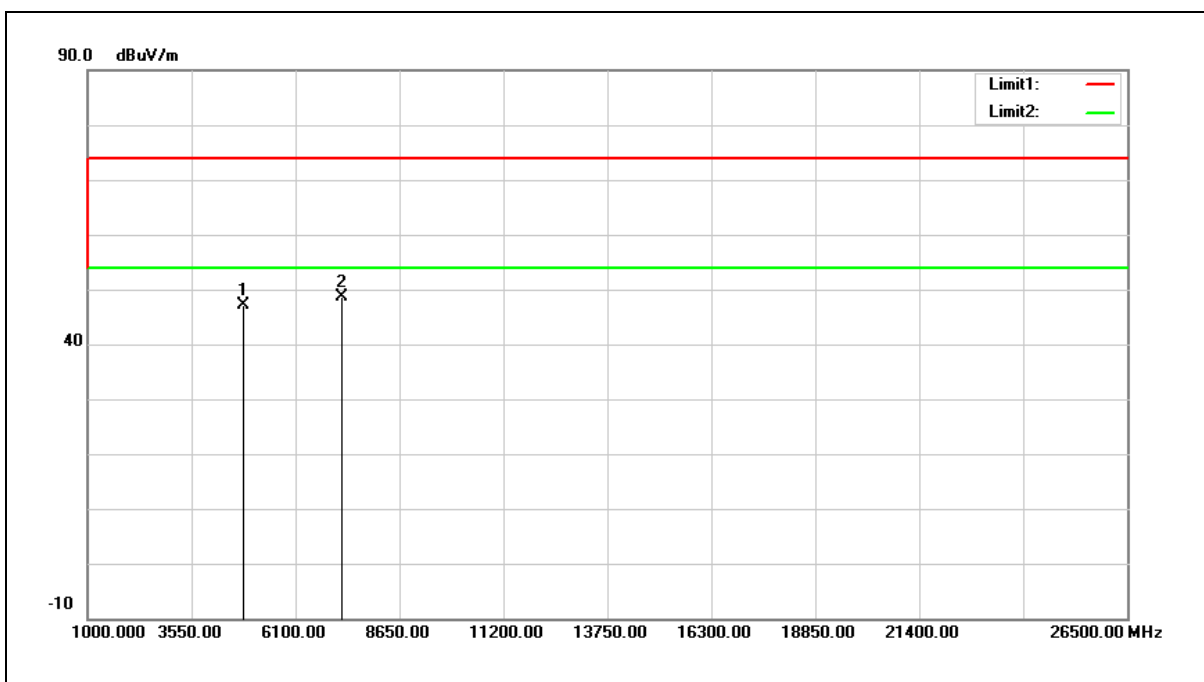
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	51.73	-5.05	46.68	74.00	-27.32	peak
2	7236.000	49.80	-0.88	48.92	74.00	-25.08	peak

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

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

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

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



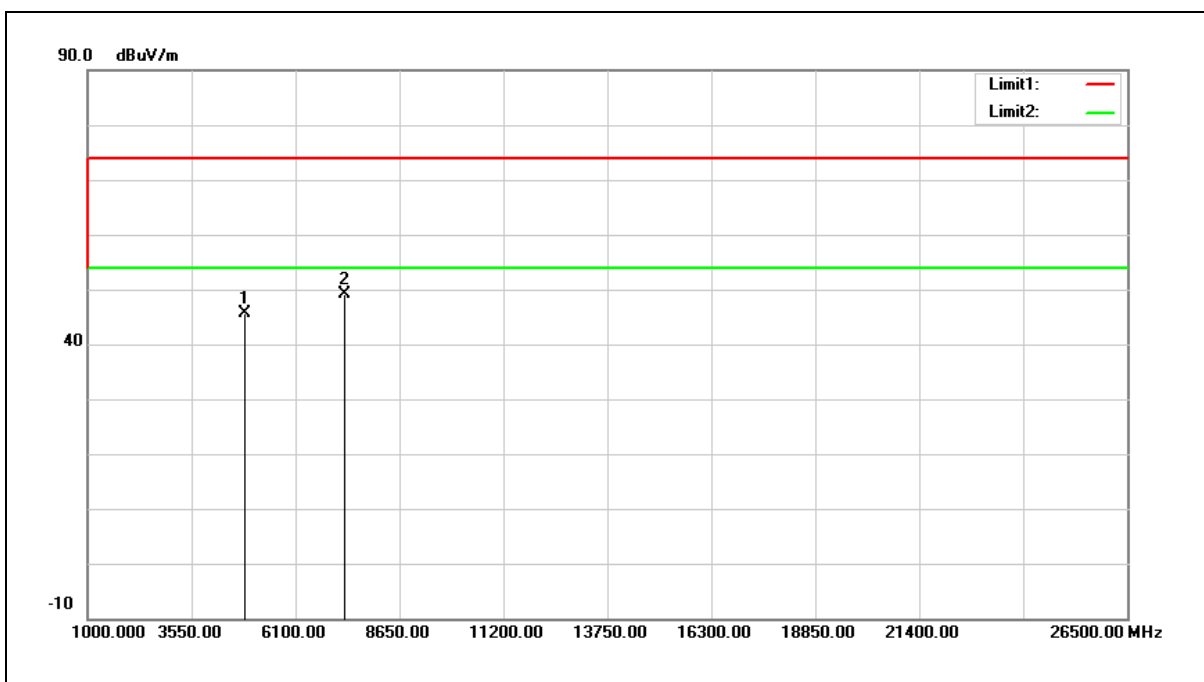
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	52.30	-5.05	47.25	74.00	-26.75	peak
2	7236.000	49.42	-0.88	48.54	74.00	-25.46	peak

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

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

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

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



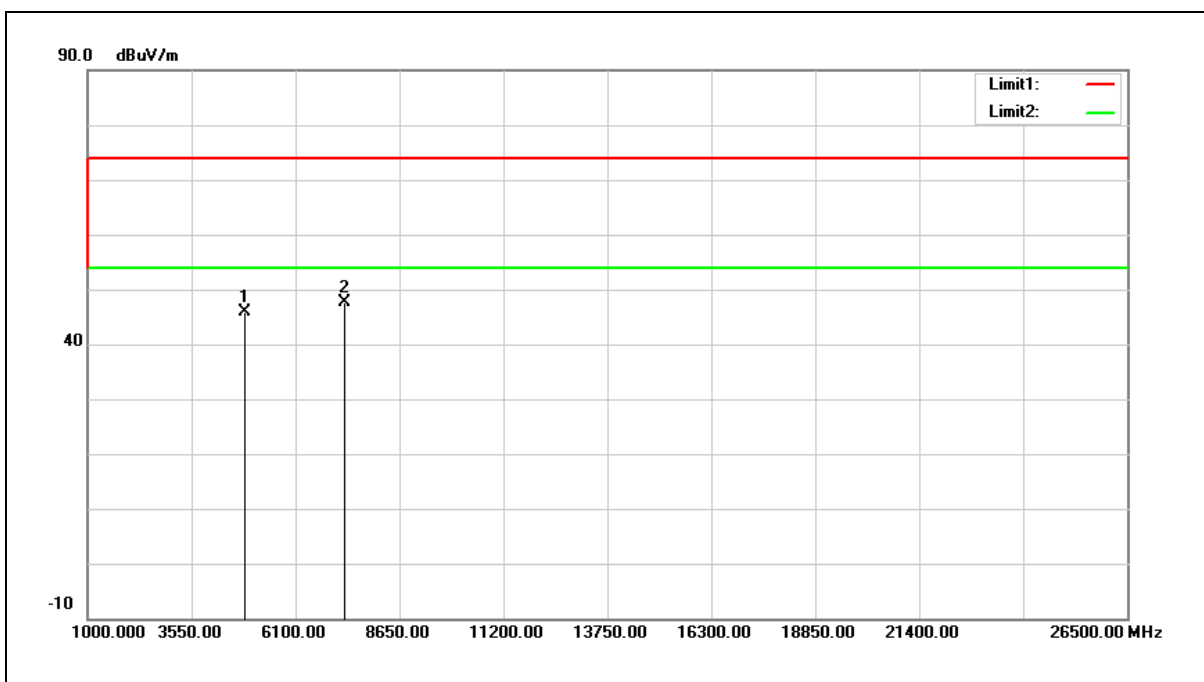
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	50.77	-5.09	45.68	74.00	-28.32	peak
2	7311.000	49.70	-0.67	49.03	74.00	-24.97	peak

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:	2437 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



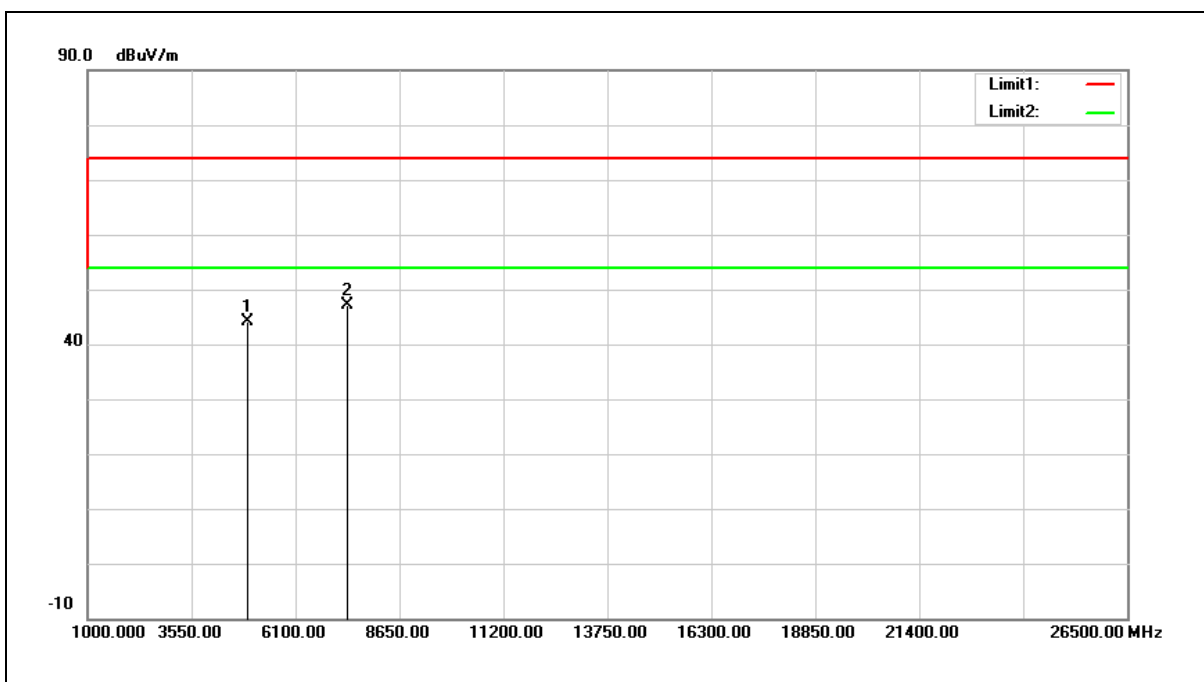
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	51.02	-5.09	45.93	74.00	-28.07	peak
2	7311.000	48.32	-0.67	47.65	74.00	-26.35	peak

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		



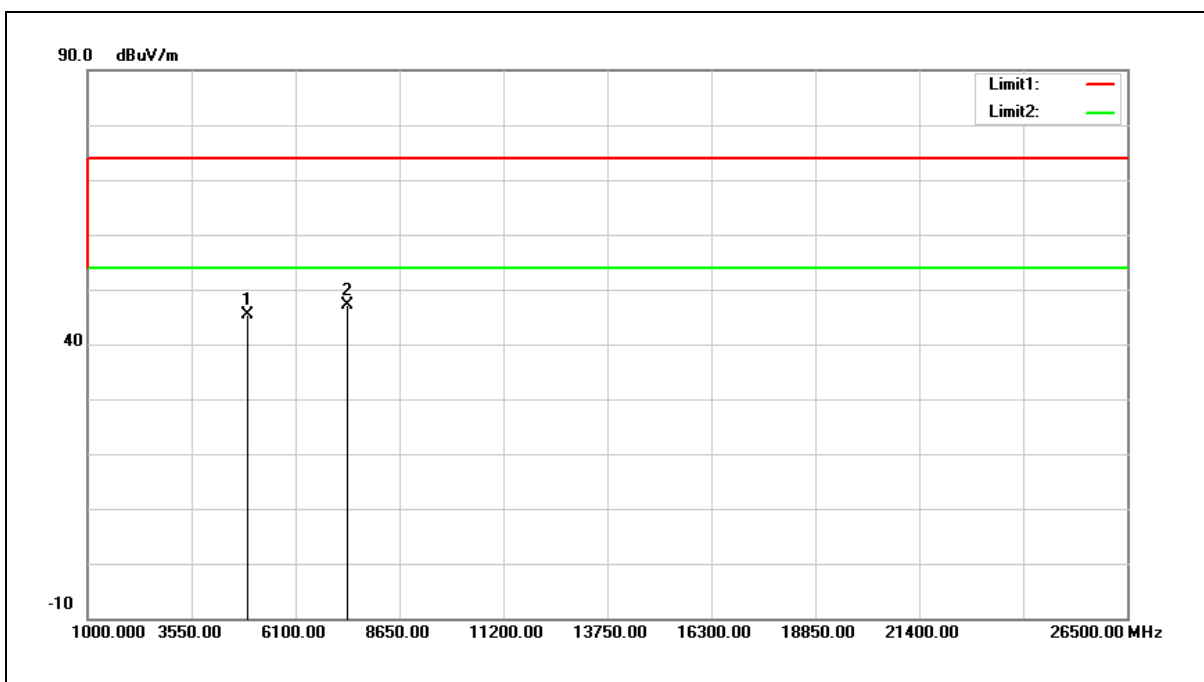
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	49.32	-5.14	44.18	74.00	-29.82	peak
2	7386.000	47.51	-0.45	47.06	74.00	-26.94	peak

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

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

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

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



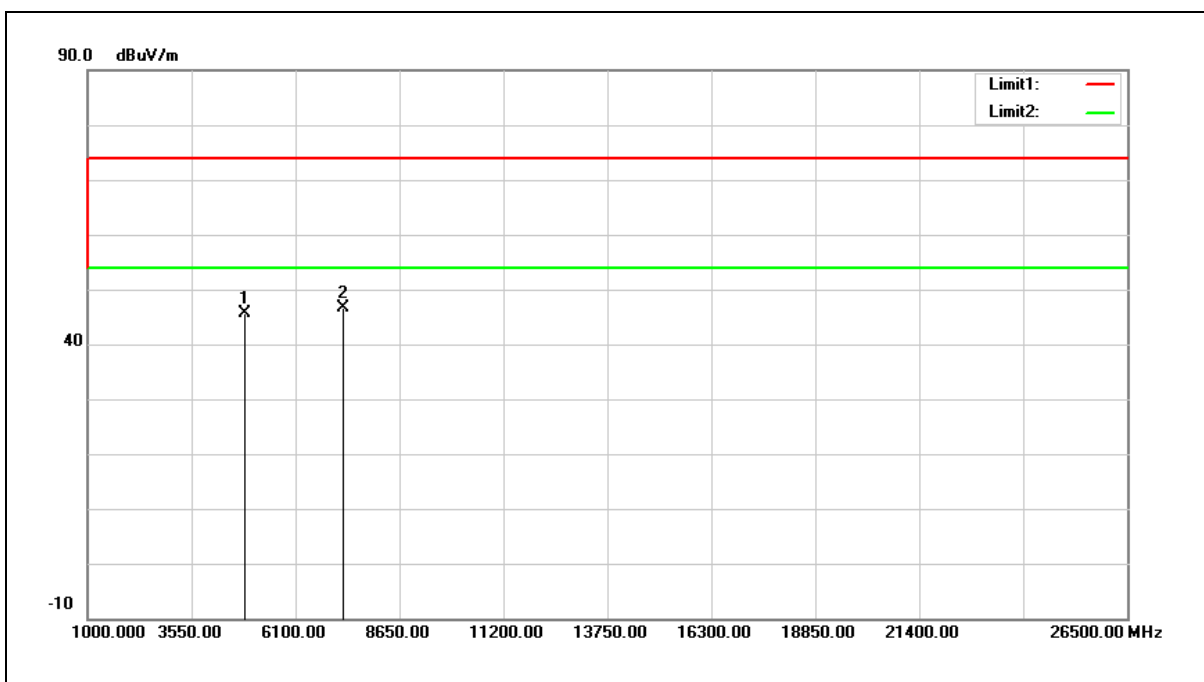
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	50.53	-5.14	45.39	74.00	-28.61	peak
2	7386.000	47.49	-0.45	47.04	74.00	-26.96	peak

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

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

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

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



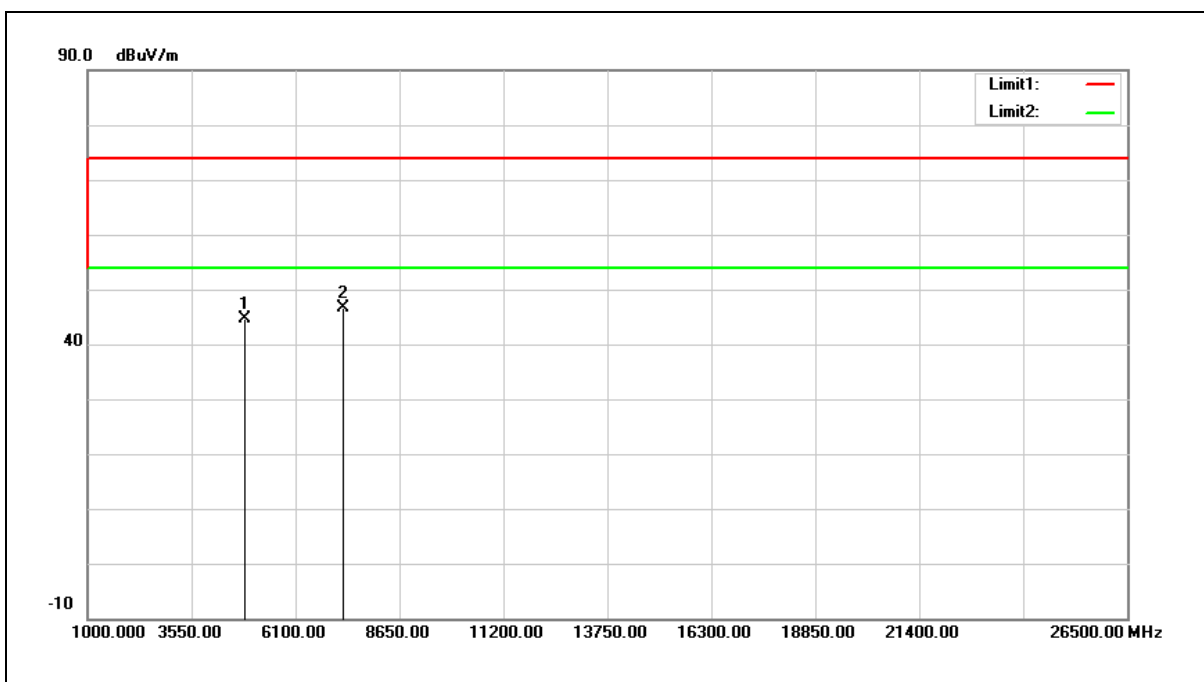
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	50.64	-5.07	45.57	74.00	-28.43	peak
2	7266.000	47.39	-0.79	46.60	74.00	-27.40	peak

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

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

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

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



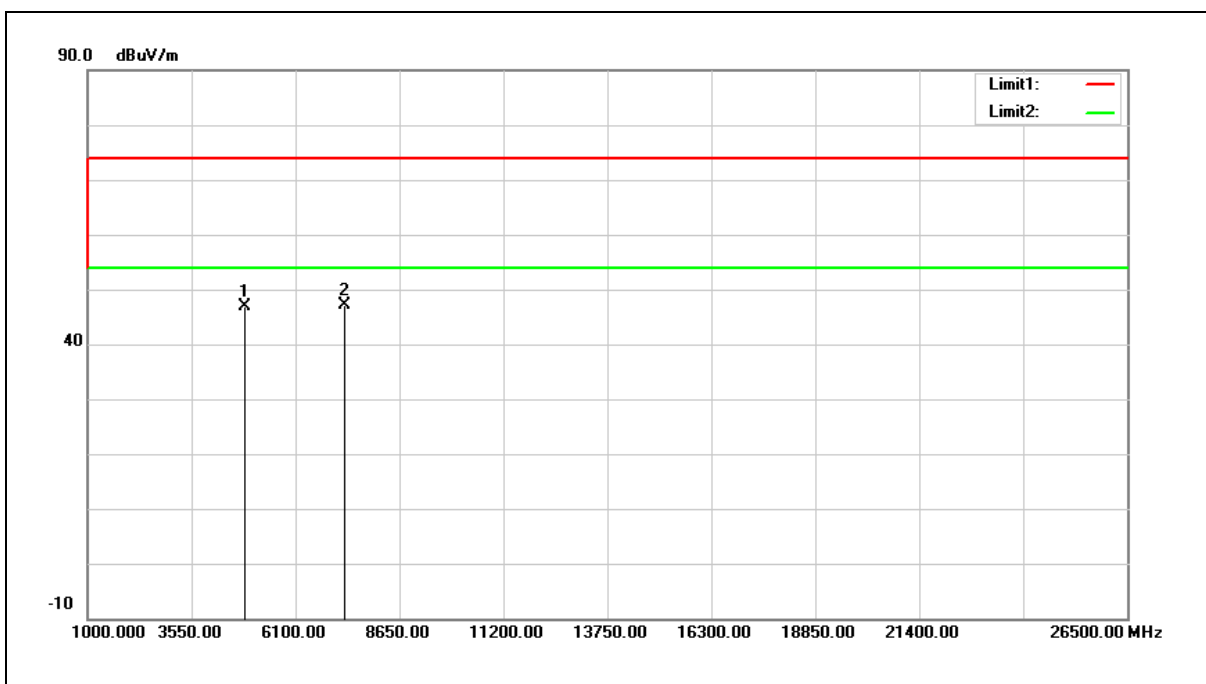
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	49.60	-5.07	44.53	74.00	-29.47	peak
2	7266.000	47.45	-0.79	46.66	74.00	-27.34	peak

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

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

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

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



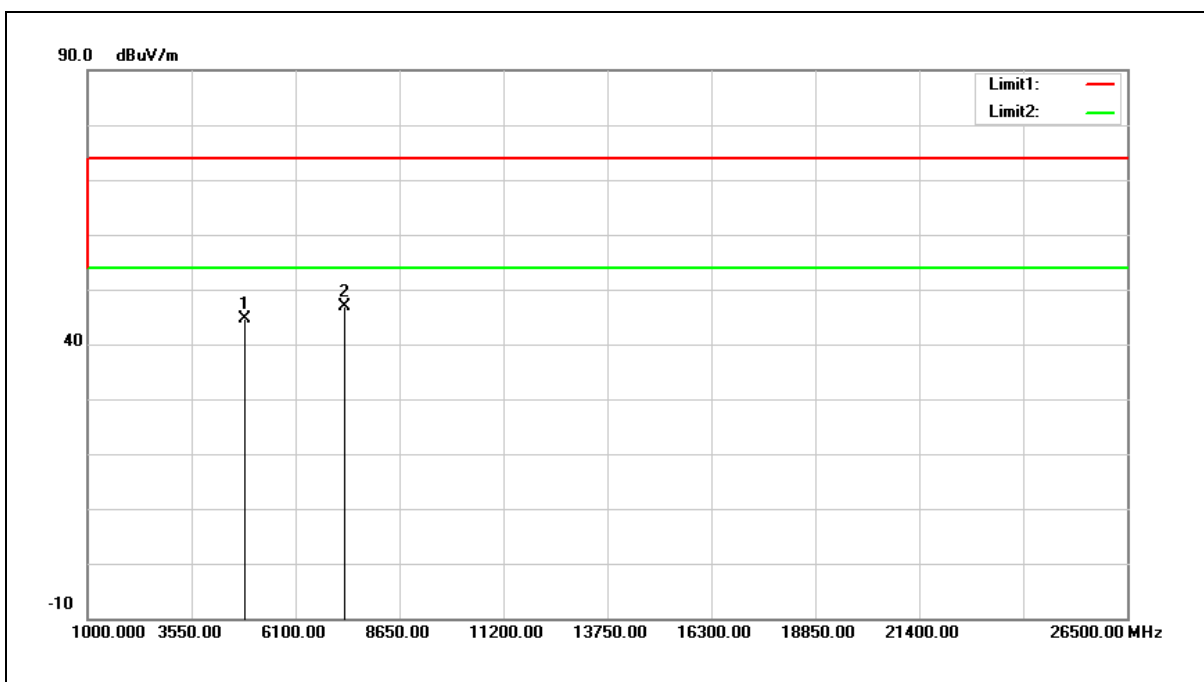
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	51.86	-5.09	46.77	74.00	-27.23	peak
2	7311.000	47.82	-0.67	47.15	74.00	-26.85	peak

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

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

3. 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		



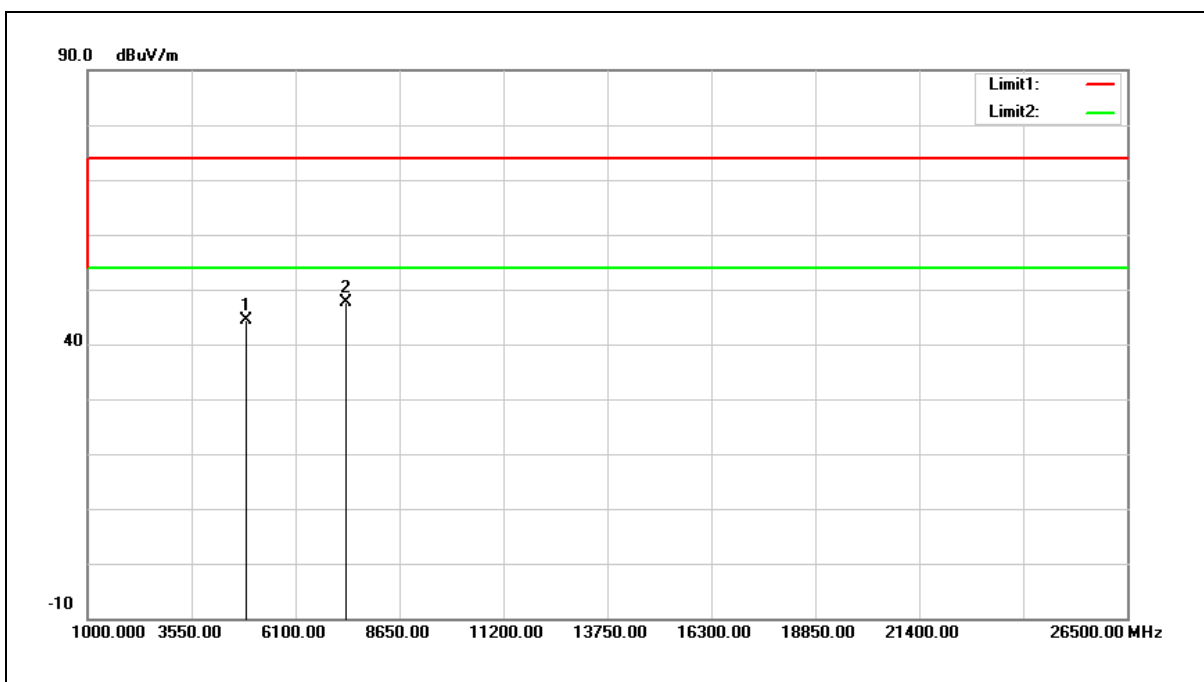
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	49.80	-5.09	44.71	74.00	-29.29	peak
2	7311.000	47.66	-0.67	46.99	74.00	-27.01	peak

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 5		
Ant.Polar.:	Horizontal		



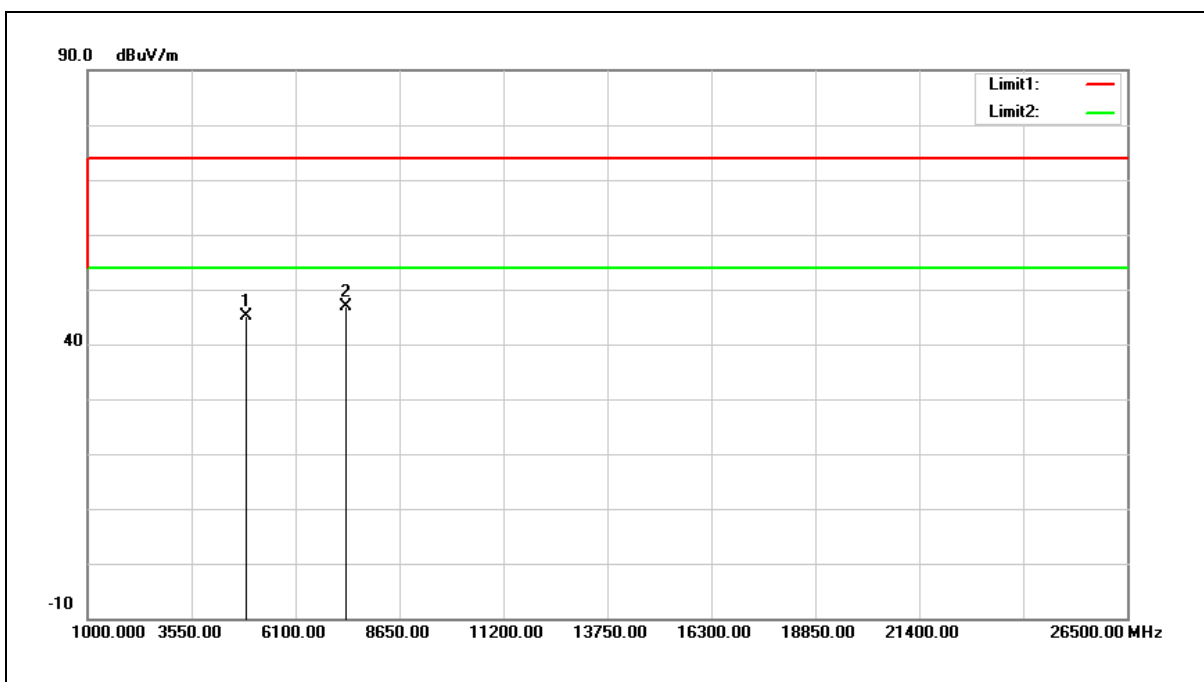
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	49.48	-5.12	44.36	74.00	-29.64	peak
2	7356.000	48.28	-0.54	47.74	74.00	-26.26	peak

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:	2452 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



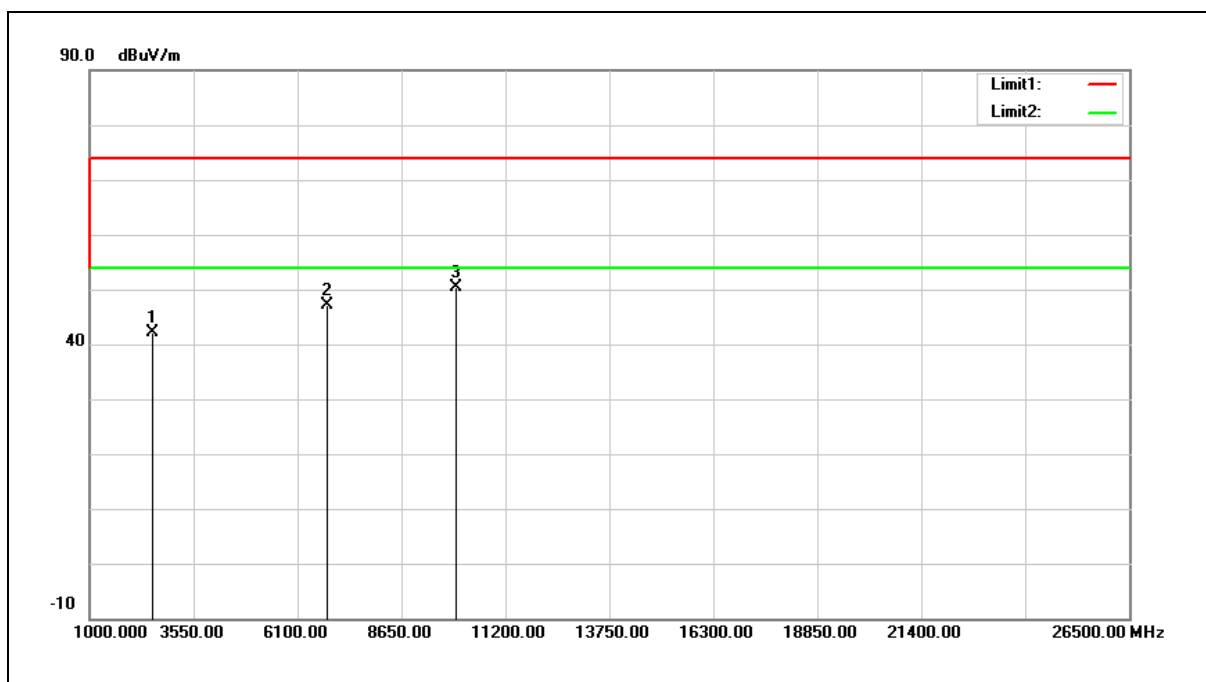
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	50.37	-5.12	45.25	74.00	-28.75	peak
2	7356.000	47.48	-0.54	46.94	74.00	-27.06	peak

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

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

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

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



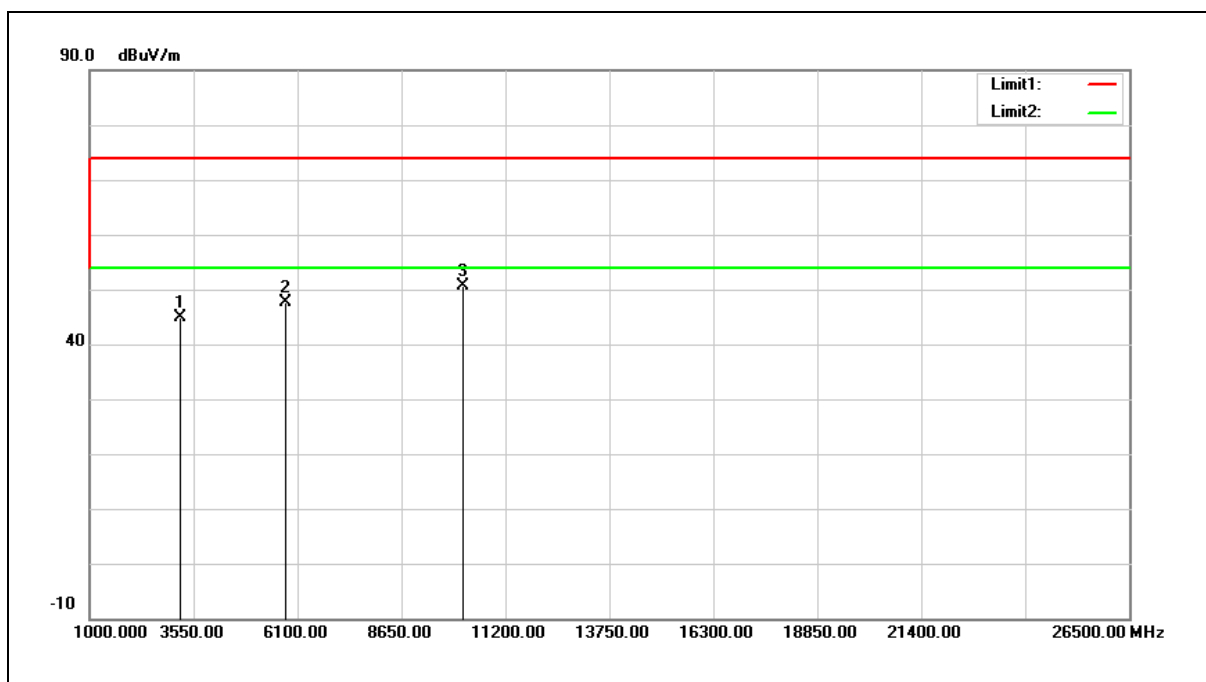
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2530.000	51.52	-9.46	42.06	74.00	-31.94	peak
2	6839.500	48.74	-1.69	47.05	74.00	-26.95	peak
3	10001.500	45.60	4.76	50.36	74.00	-23.64	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 110 V/60 Hz
Mode:	Mode 6	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	3218.500	52.74	-7.76	44.98	74.00	-29.02	peak
2	5794.000	51.02	-3.51	47.51	74.00	-26.49	peak
3	10154.500	45.80	4.74	50.54	74.00	-23.46	peak

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

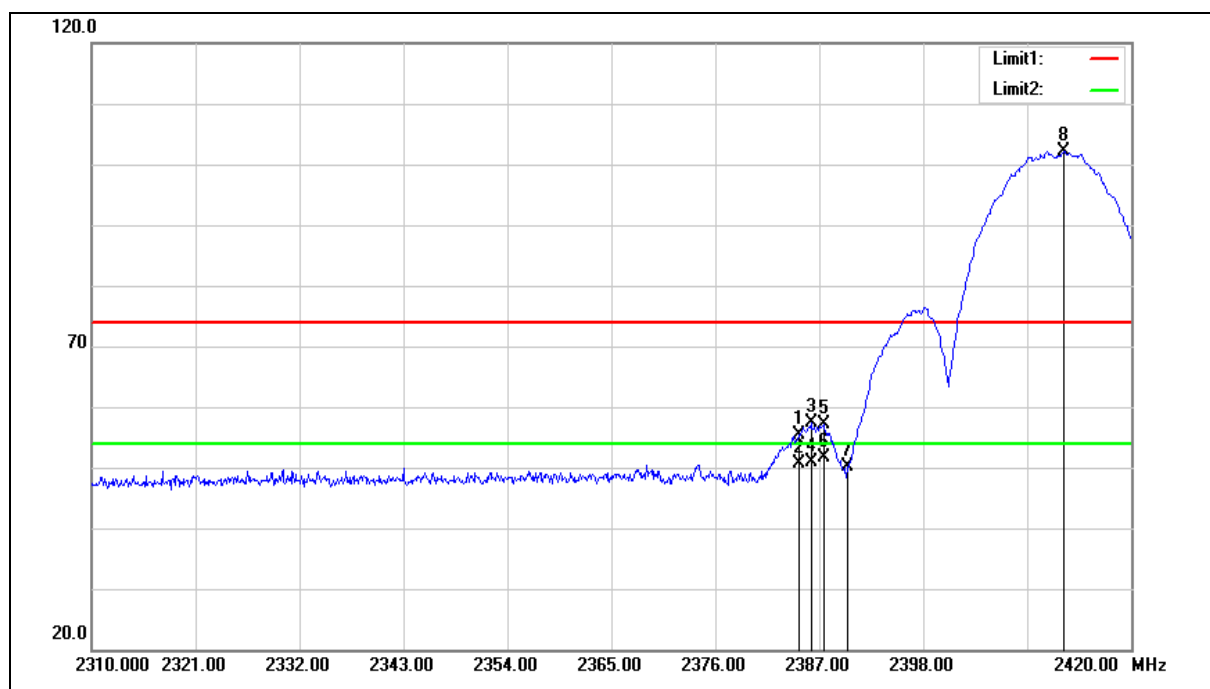
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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

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:	2402 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:	2402 MHz	Temp.(°C)/Hum. (%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Horizontal		

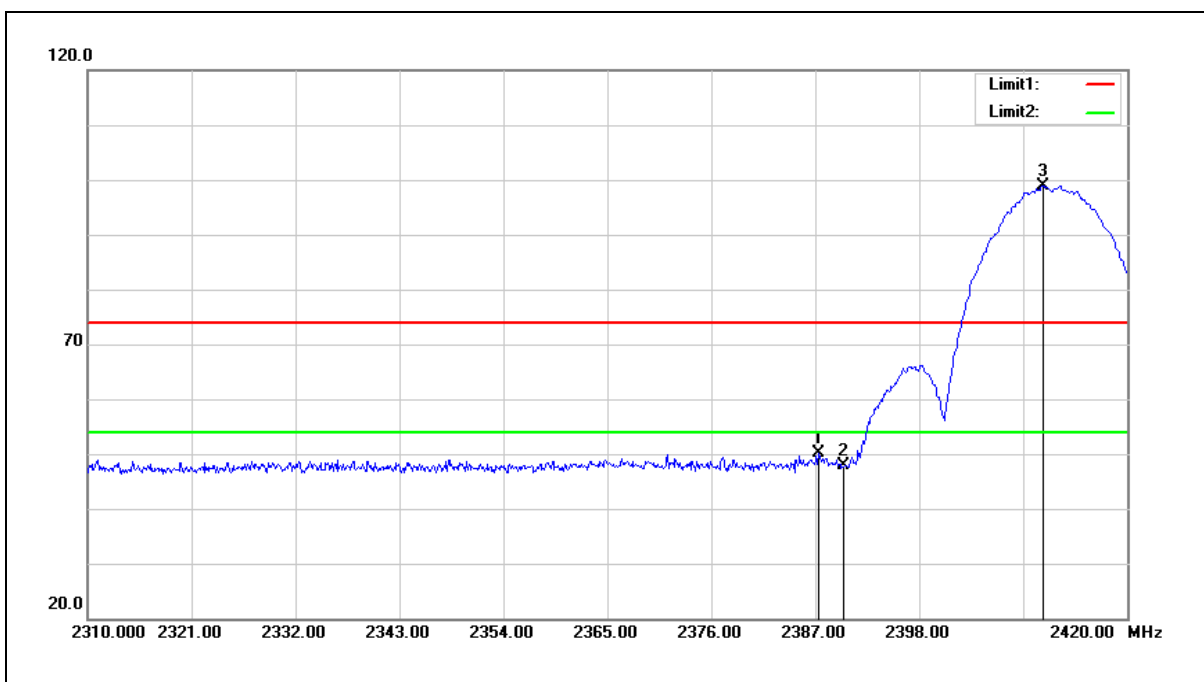
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2384.910	65.14	-9.80	55.34	74.00	-18.66	peak
2	2384.910	60.49	-9.80	50.69	54.00	-3.31	AVG
3	2386.120	67.23	-9.79	57.44	74.00	-16.56	peak
4	2386.120	60.68	-9.79	50.89	54.00	-3.11	AVG
5	2387.440	66.95	-9.79	57.16	74.00	-16.84	peak
6	2387.440	61.35	-9.79	51.56	54.00	-2.44	AVG
7	2390.000	59.80	-9.78	50.02	74.00	-23.98	peak
8	2412.850	111.86	-9.72	102.14	---	---	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:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	2402 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	Mode 2		
Ant.Polar.:	Vertical		



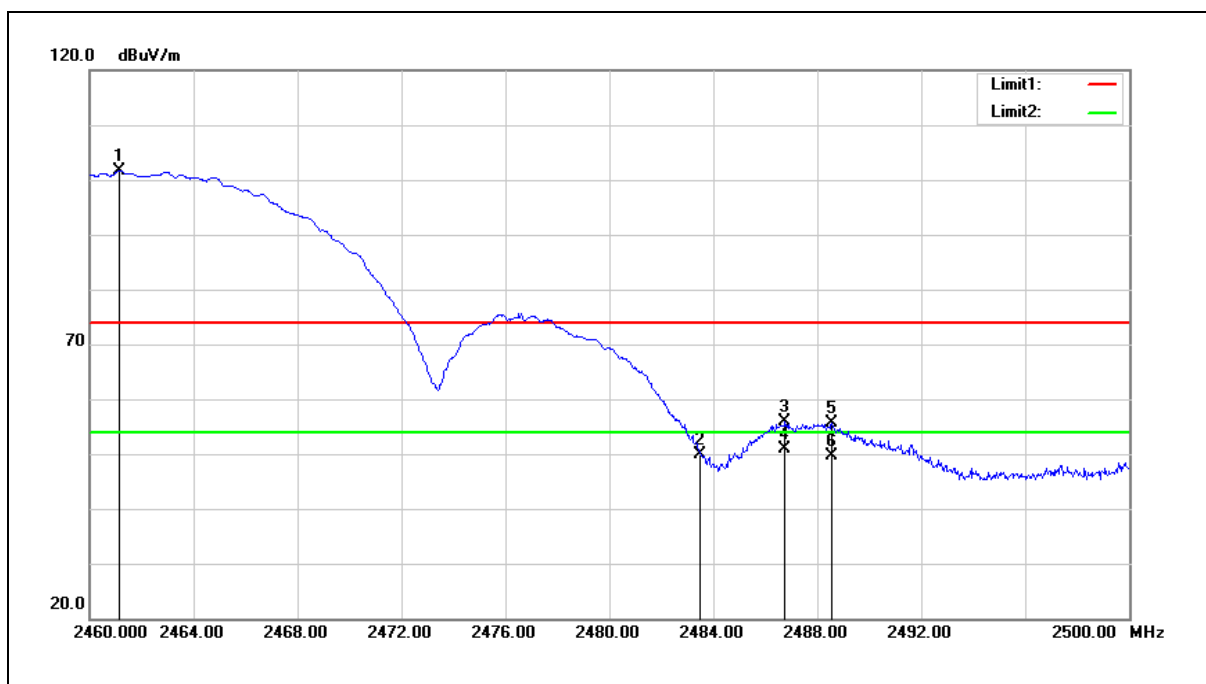
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.330	59.92	-9.79	50.13	74.00	-23.87	peak
2	2390.000	57.75	-9.78	47.97	74.00	-26.03	peak
3	2411.090	108.66	-9.72	98.94	---	---	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	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		



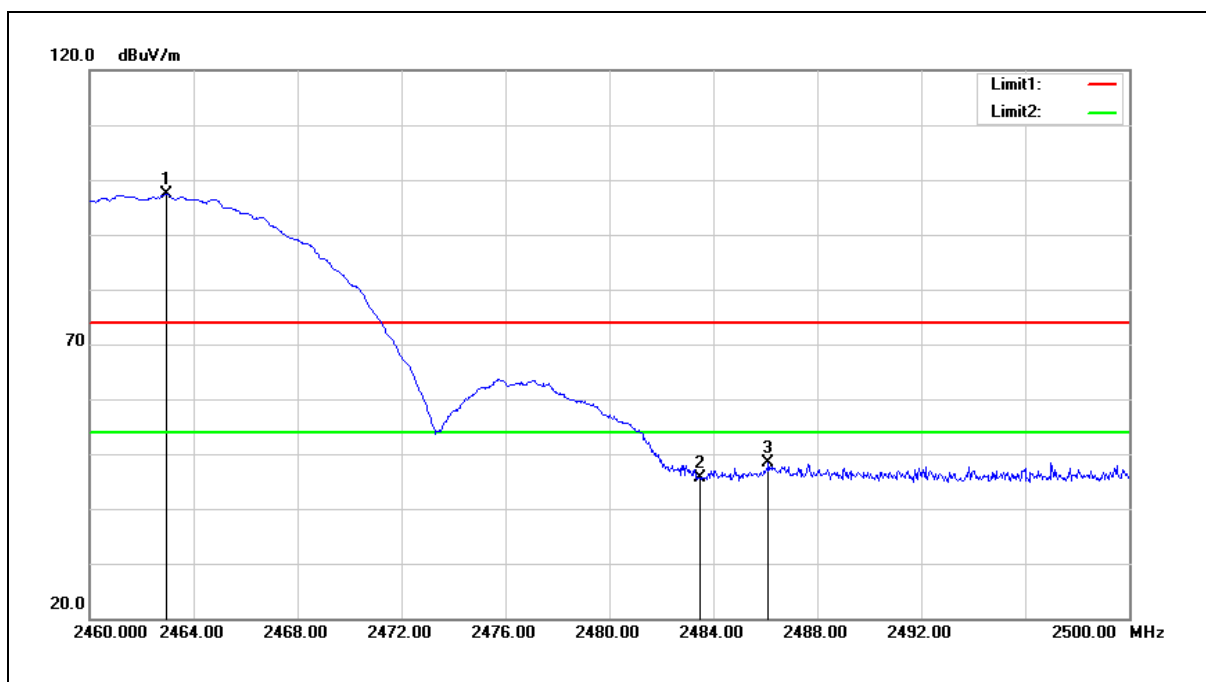
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2461.160	111.23	-9.61	101.62	---	---	peak
2	2483.500	59.50	-9.56	49.94	74.00	-24.06	peak
3	2486.760	65.44	-9.56	55.88	74.00	-18.12	peak
4	2486.760	60.38	-9.56	50.82	54.00	-3.18	AVG
5	2488.560	65.10	-9.56	55.54	74.00	-18.46	peak
6	2488.560	59.12	-9.56	49.56	54.00	-4.44	AVG

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

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

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

Standard:	LP0002	Test Distance:	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		



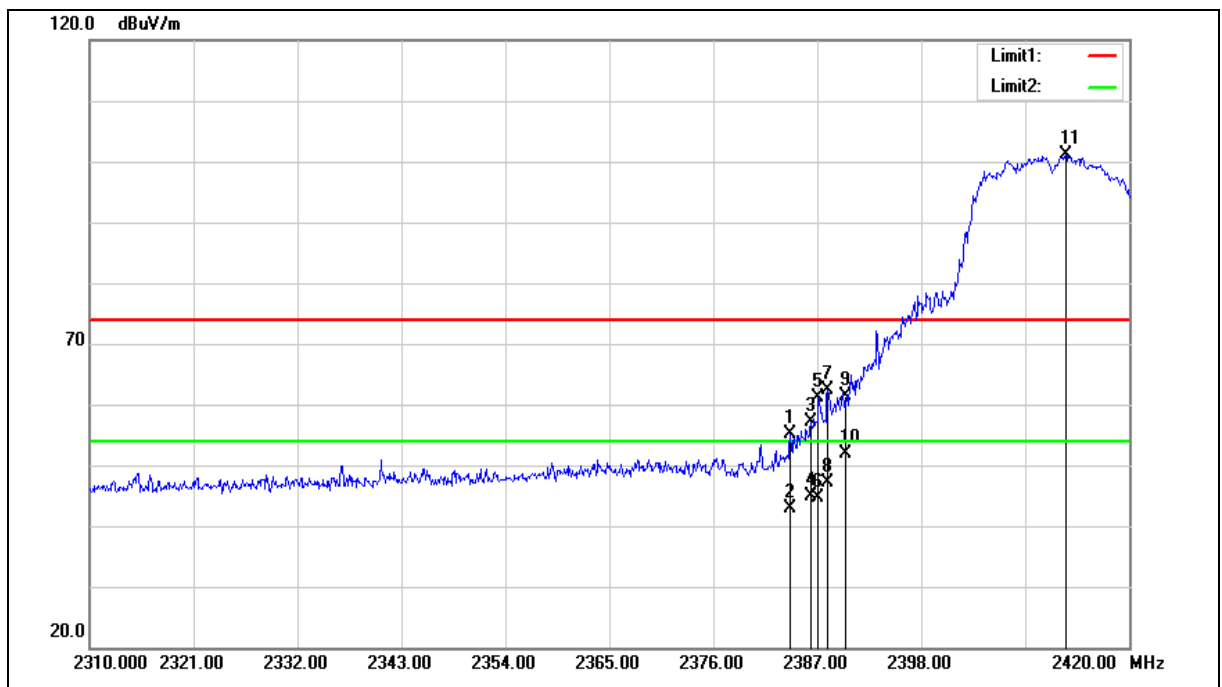
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2462.960	106.95	-9.61	97.34	---	---	peak
2	2483.500	55.23	-9.56	45.67	74.00	-28.33	peak
3	2486.120	57.94	-9.56	48.38	74.00	-25.62	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	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		

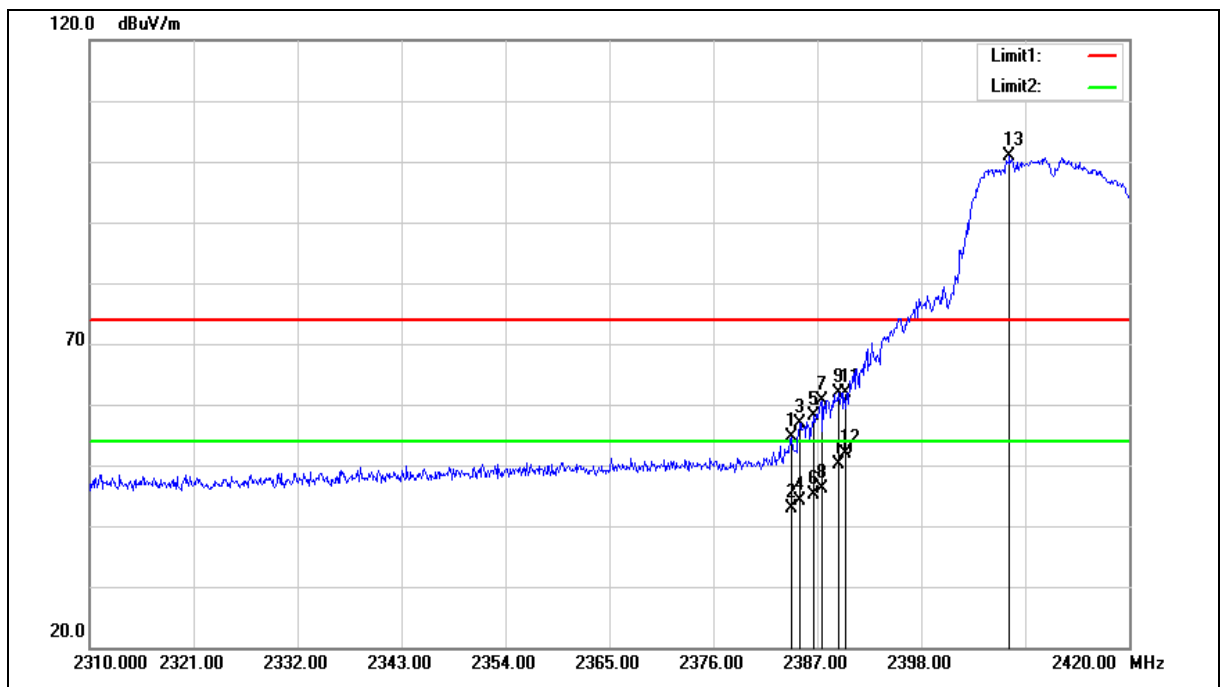
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2384.140	64.92	-9.80	55.12	74.00	-18.88	peak
2	2384.140	52.72	-9.80	42.92	54.00	-11.08	AVG
3	2386.340	66.94	-9.79	57.15	74.00	-16.85	peak
4	2386.340	54.57	-9.79	44.78	54.00	-9.22	AVG
5	2387.110	70.97	-9.79	61.18	74.00	-12.82	peak
6	2387.110	54.41	-9.79	44.62	54.00	-9.38	AVG
7	2388.100	72.15	-9.79	62.36	74.00	-11.64	peak
8	2388.100	56.80	-9.79	47.01	54.00	-6.99	AVG
9	2390.000	71.12	-9.78	61.34	74.00	-12.66	peak
10	2390.000	61.55	-9.78	51.77	54.00	-2.23	AVG
11	2413.290	110.96	-9.72	101.24	---	---	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:	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		

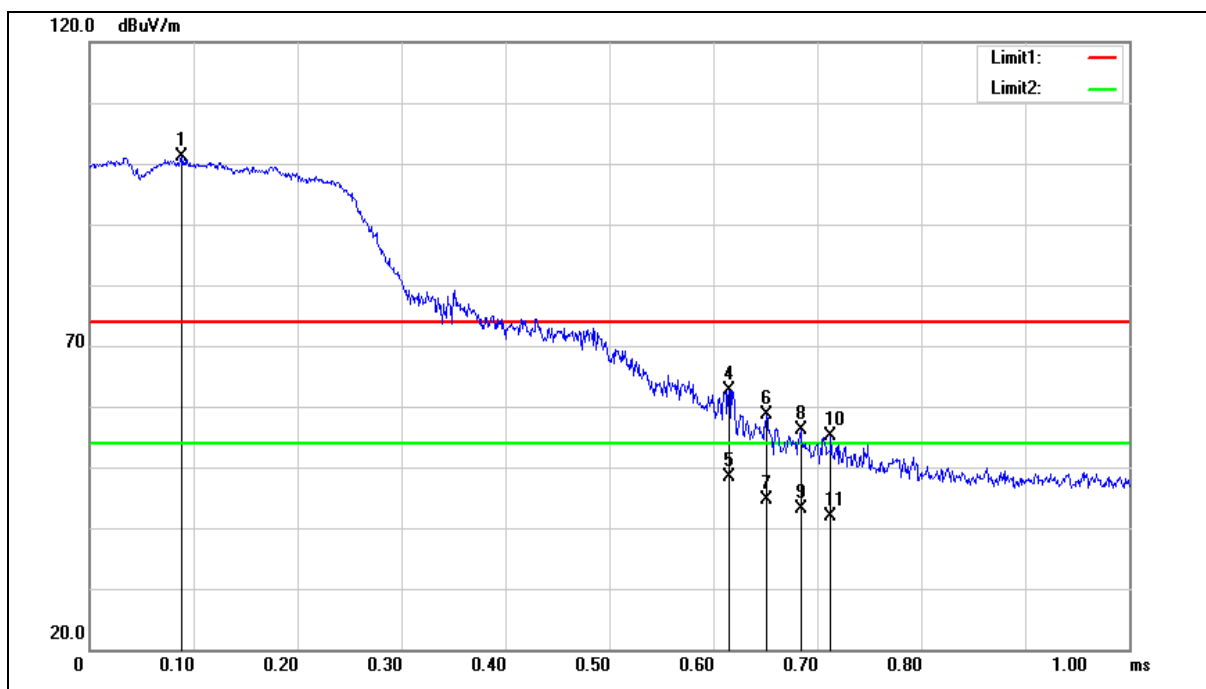
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2384.250	64.42	-9.80	54.62	74.00	-19.38	peak
2	2384.250	52.71	-9.80	42.91	54.00	-11.09	AVG
3	2385.130	66.78	-9.80	56.98	74.00	-17.02	peak
4	2385.130	53.86	-9.80	44.06	54.00	-9.94	AVG
5	2386.670	68.04	-9.79	58.25	74.00	-15.75	peak
6	2386.670	54.85	-9.79	45.06	54.00	-8.94	AVG
7	2387.440	70.41	-9.79	60.62	74.00	-13.38	peak
8	2387.440	55.88	-9.79	46.09	54.00	-7.91	AVG
9	2389.200	71.60	-9.79	61.81	74.00	-12.19	peak
10	2389.200	59.92	-9.79	50.13	54.00	-3.87	AVG
11	2390.000	71.70	-9.78	61.92	74.00	-12.08	peak
12	2390.000	61.62	-9.78	51.84	54.00	-2.16	AVG
13	2407.350	110.58	-9.73	100.85	---	---	peak

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

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

3. 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		

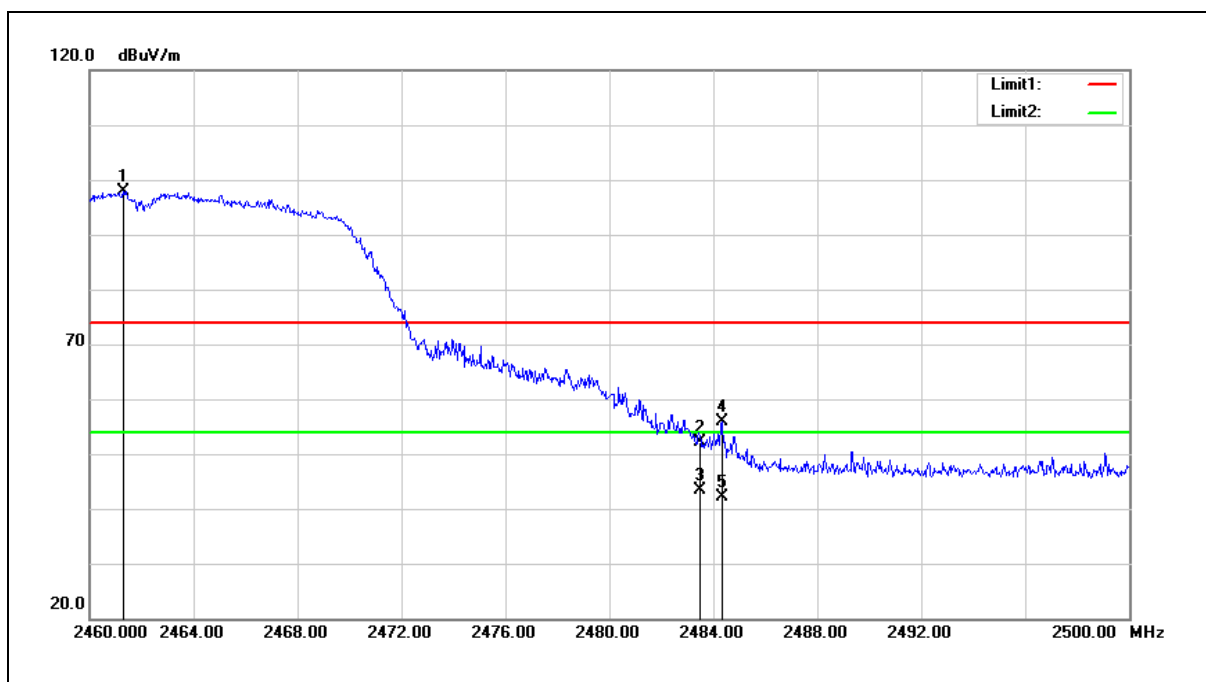
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.560	110.70	-9.61	101.09	---	---	peak
2	2483.500	69.50	-9.56	59.94	74.00	-14.06	peak
3	2483.500	60.16	-9.56	50.60	54.00	-3.40	AVG
4	2484.600	72.17	-9.56	62.61	74.00	-11.39	peak
5	2484.600	57.83	-9.56	48.27	54.00	-5.73	AVG
6	2486.040	68.18	-9.56	58.62	74.00	-15.38	peak
7	2486.040	54.07	-9.56	44.51	54.00	-9.49	AVG
8	2487.360	65.76	-9.56	56.20	74.00	-17.80	peak
9	2487.360	52.57	-9.56	43.01	54.00	-10.99	AVG
10	2488.520	64.65	-9.56	55.09	74.00	-18.91	peak
11	2488.520	51.51	-9.56	41.95	54.00	-12.05	AVG

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

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

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

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



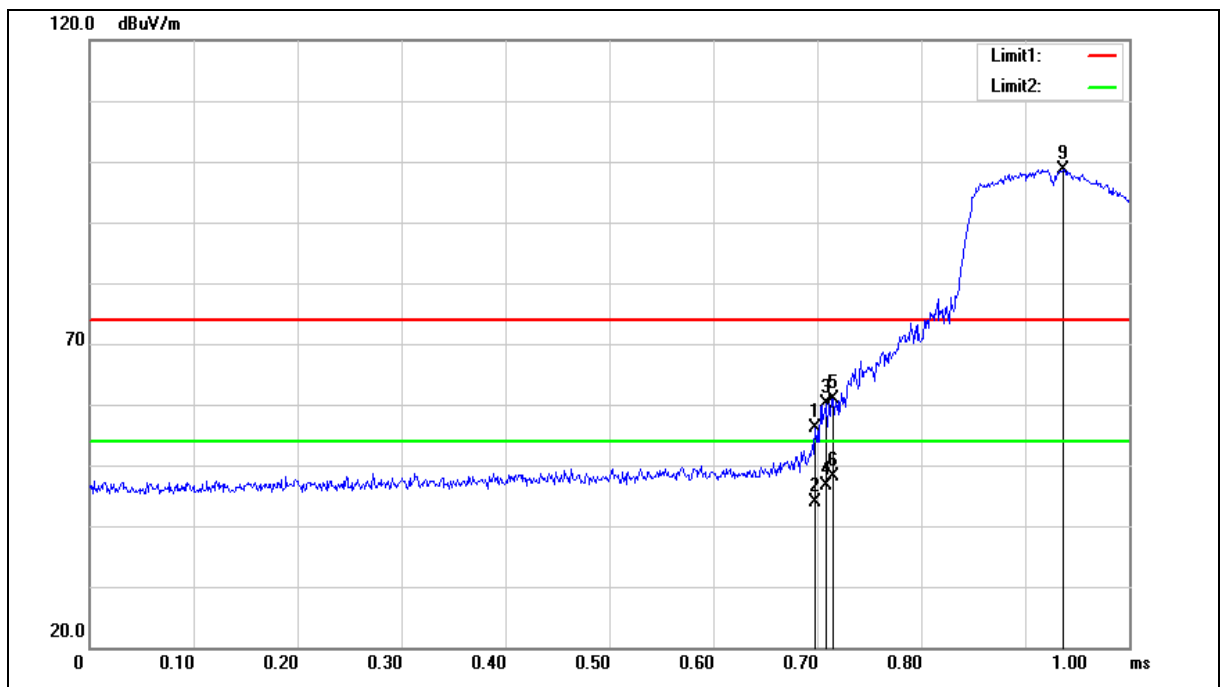
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2461.280	107.43	-9.61	97.82	---	---	peak
2	2483.500	61.58	-9.56	52.02	74.00	-21.98	peak
3	2483.500	52.98	-9.56	43.42	54.00	-10.58	AVG
4	2484.320	65.32	-9.56	55.76	74.00	-18.24	peak
5	2484.320	51.74	-9.56	42.18	54.00	-11.82	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		

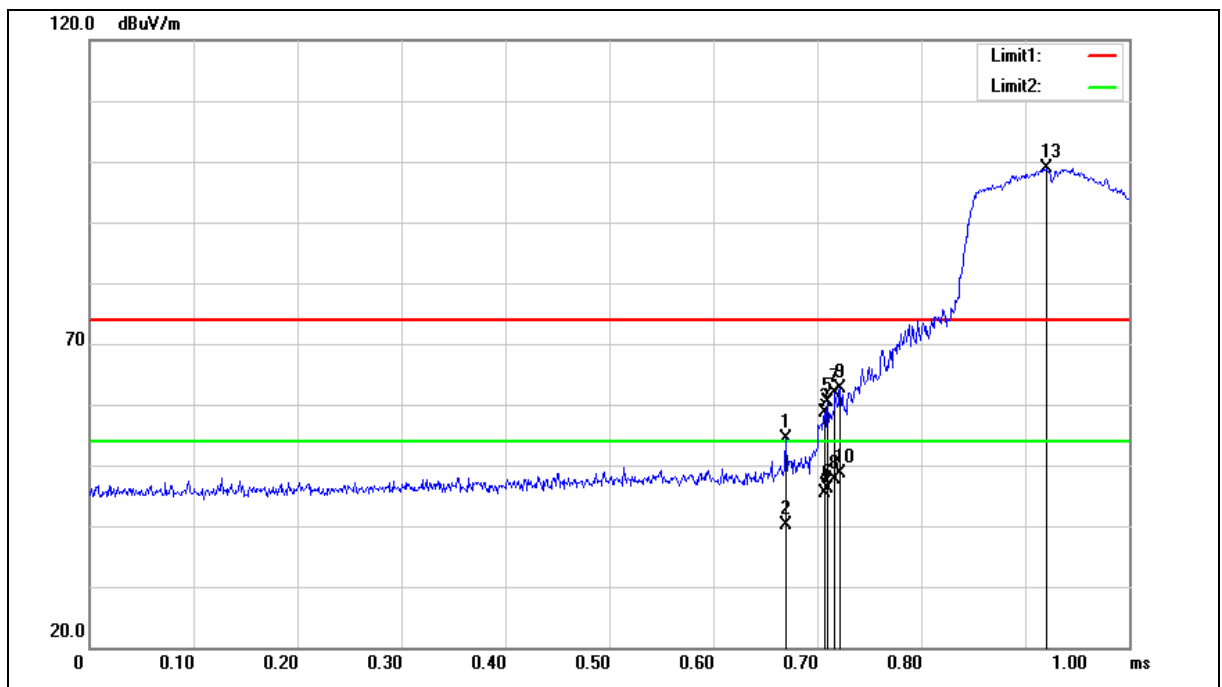
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.780	65.82	-9.79	56.03	74.00	-17.97	peak
2	2386.780	53.77	-9.79	43.98	54.00	-10.02	AVG
3	2387.880	70.00	-9.79	60.21	74.00	-13.79	peak
4	2387.880	56.44	-9.79	46.65	54.00	-7.35	AVG
5	2388.650	70.74	-9.79	60.95	74.00	-13.05	peak
6	2388.650	57.80	-9.79	48.01	54.00	-5.99	AVG
7	2390.000	71.89	-9.78	62.11	74.00	-11.89	peak
8	2390.000	60.88	-9.78	51.10	54.00	-2.90	AVG
9	2412.960	108.44	-9.72	98.72	---	---	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	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		

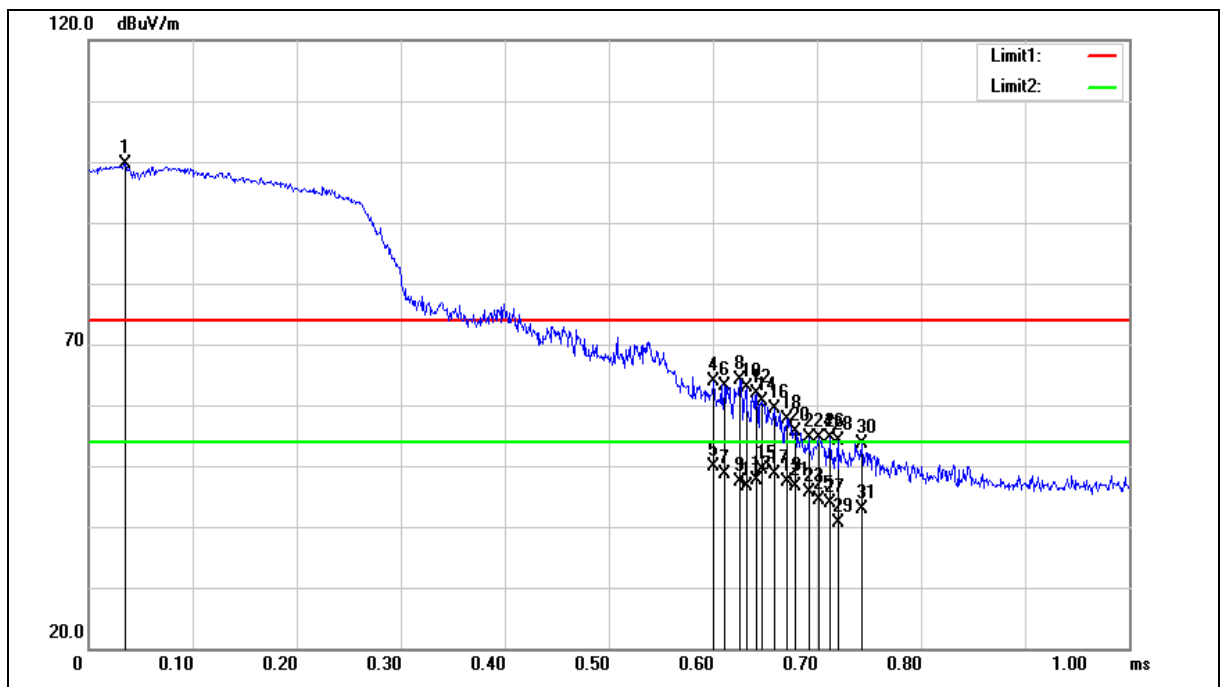
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2383.700	64.29	-9.80	54.49	74.00	-19.51	peak
2	2383.700	49.93	-9.80	40.13	54.00	-13.87	AVG
3	2387.770	68.44	-9.79	58.65	74.00	-15.35	peak
4	2387.770	55.17	-9.79	45.38	54.00	-8.62	AVG
5	2388.100	70.13	-9.79	60.34	74.00	-13.66	peak
6	2388.100	55.88	-9.79	46.09	54.00	-7.91	AVG
7	2388.870	71.67	-9.79	61.88	74.00	-12.12	peak
8	2388.870	57.50	-9.79	47.71	54.00	-6.29	AVG
9	2389.420	72.34	-9.79	62.55	74.00	-11.45	peak
10	2389.420	58.49	-9.79	48.70	54.00	-5.30	AVG
11	2390.000	68.14	-9.78	58.36	74.00	-15.64	peak
12	2390.000	59.78	-9.78	50.00	54.00	-4.00	AVG
13	2411.200	108.54	-9.72	98.82	---	---	peak

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

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

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

Standard:	LP0002	Test Distance:	3 m
Test item:	Band edge	Power:	AC 110 V/60 Hz
Frequency:	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.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2461.400	109.25	-9.61	99.64	---	---	peak
2	2483.500	71.38	-9.56	61.82	74.00	-12.18	peak
3	2483.500	60.54	-9.56	50.98	54.00	-3.02	AVG
4	2484.040	73.44	-9.56	63.88	74.00	-10.12	peak
5	2484.040	59.42	-9.56	49.86	54.00	-4.14	AVG
6	2484.440	72.65	-9.56	63.09	74.00	-10.91	peak
7	2484.440	58.26	-9.56	48.70	54.00	-5.30	AVG
8	2485.040	73.72	-9.56	64.16	74.00	-9.84	peak
9	2485.040	57.04	-9.56	47.48	54.00	-6.52	AVG
10	2485.280	72.43	-9.56	62.87	74.00	-11.13	peak
11	2485.280	56.28	-9.56	46.72	54.00	-7.28	AVG
12	2485.680	71.51	-9.56	61.95	74.00	-12.05	peak
13	2485.680	57.24	-9.56	47.68	54.00	-6.32	AVG
14	2485.880	70.29	-9.56	60.73	74.00	-13.27	peak
15	2485.880	58.86	-9.56	49.30	54.00	-4.70	AVG
16	2486.360	68.96	-9.56	59.40	74.00	-14.60	peak
17	2486.360	58.24	-9.56	48.68	54.00	-5.32	AVG
18	2486.840	67.28	-9.56	57.72	74.00	-16.28	peak
19	2486.840	57.02	-9.56	47.46	54.00	-6.54	AVG
20	2487.160	65.22	-9.56	55.66	74.00	-18.34	peak
21	2487.160	56.19	-9.56	46.63	54.00	-7.37	AVG
22	2487.680	64.14	-9.56	54.58	74.00	-19.42	peak
23	2487.680	55.28	-9.56	45.72	54.00	-8.28	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		

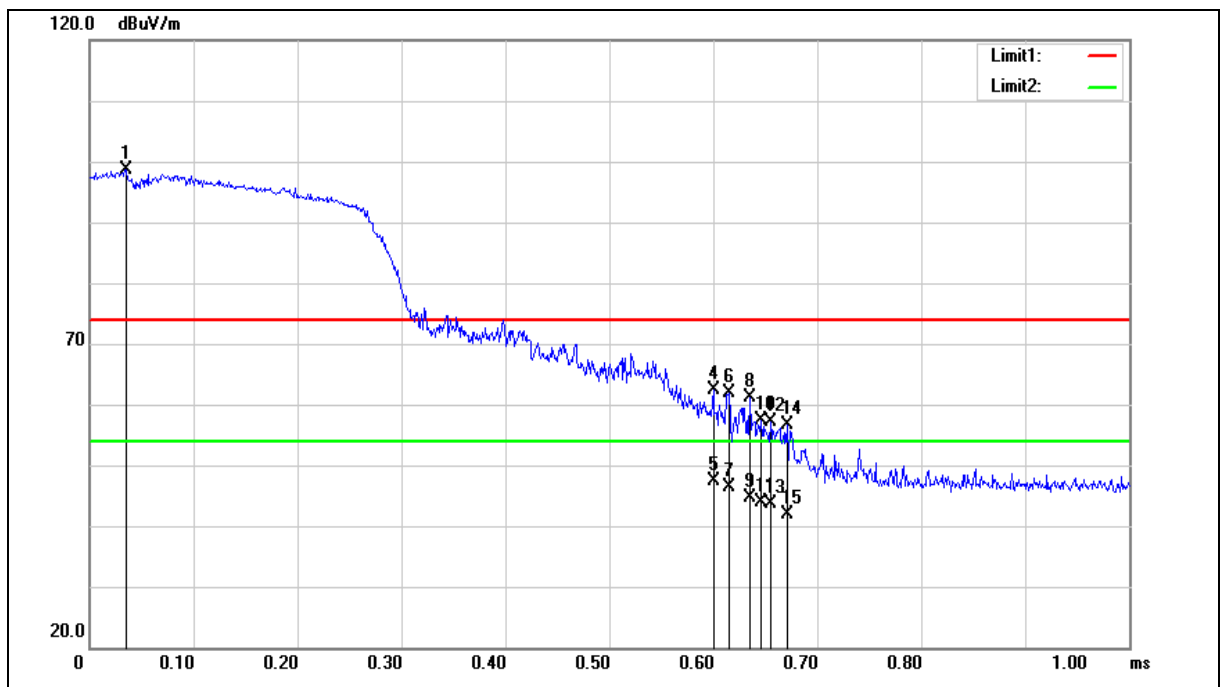
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
24	2488.080	64.19	-9.56	54.63	74.00	-19.37	peak
25	2488.080	54.06	-9.56	44.50	54.00	-9.50	AVG
26	2488.520	64.23	-9.56	54.67	74.00	-19.33	peak
27	2488.520	53.44	-9.56	43.88	54.00	-10.12	AVG
28	2488.800	63.68	-9.56	54.12	74.00	-19.88	peak
29	2488.800	50.11	-9.56	40.55	54.00	-13.45	AVG
30	2489.720	63.19	-9.55	53.64	74.00	-20.36	peak
31	2489.720	52.38	-9.55	42.83	54.00	-11.17	AVG

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

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

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

Standard:	LP0002	Test Distance:	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		

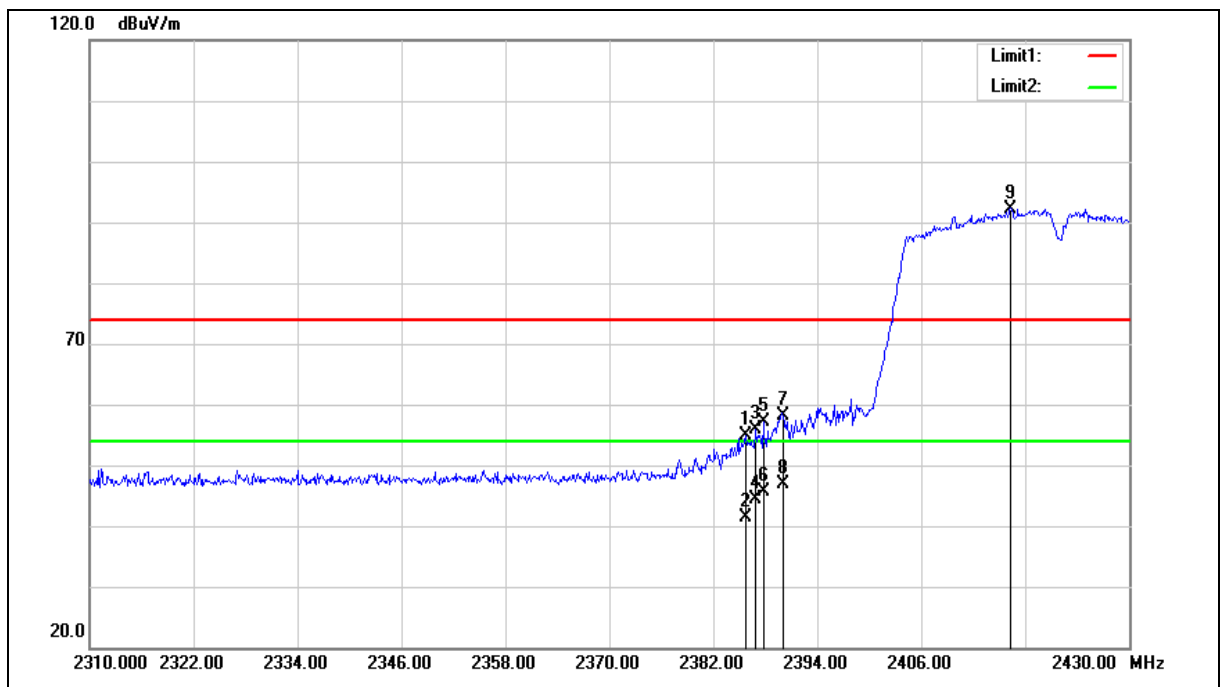
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2461.400	108.20	-9.61	98.59	---	---	peak
2	2483.500	68.26	-9.56	58.70	74.00	-15.30	peak
3	2483.500	58.33	-9.56	48.77	54.00	-5.23	AVG
4	2484.000	71.96	-9.56	62.40	74.00	-11.60	peak
5	2484.000	56.98	-9.56	47.42	54.00	-6.58	AVG
6	2484.600	71.48	-9.56	61.92	74.00	-12.08	peak
7	2484.600	55.95	-9.56	46.39	54.00	-7.61	AVG
8	2485.400	70.71	-9.56	61.15	74.00	-12.85	peak
9	2485.400	54.15	-9.56	44.59	54.00	-9.41	AVG
10	2485.840	67.06	-9.56	57.50	74.00	-16.50	peak
11	2485.840	53.37	-9.56	43.81	54.00	-10.19	AVG
12	2486.200	66.75	-9.56	57.19	74.00	-16.81	peak
13	2486.200	53.07	-9.56	43.51	54.00	-10.49	AVG
14	2486.840	66.28	-9.56	56.72	74.00	-17.28	peak
15	2486.840	51.41	-9.56	41.85	54.00	-12.15	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		

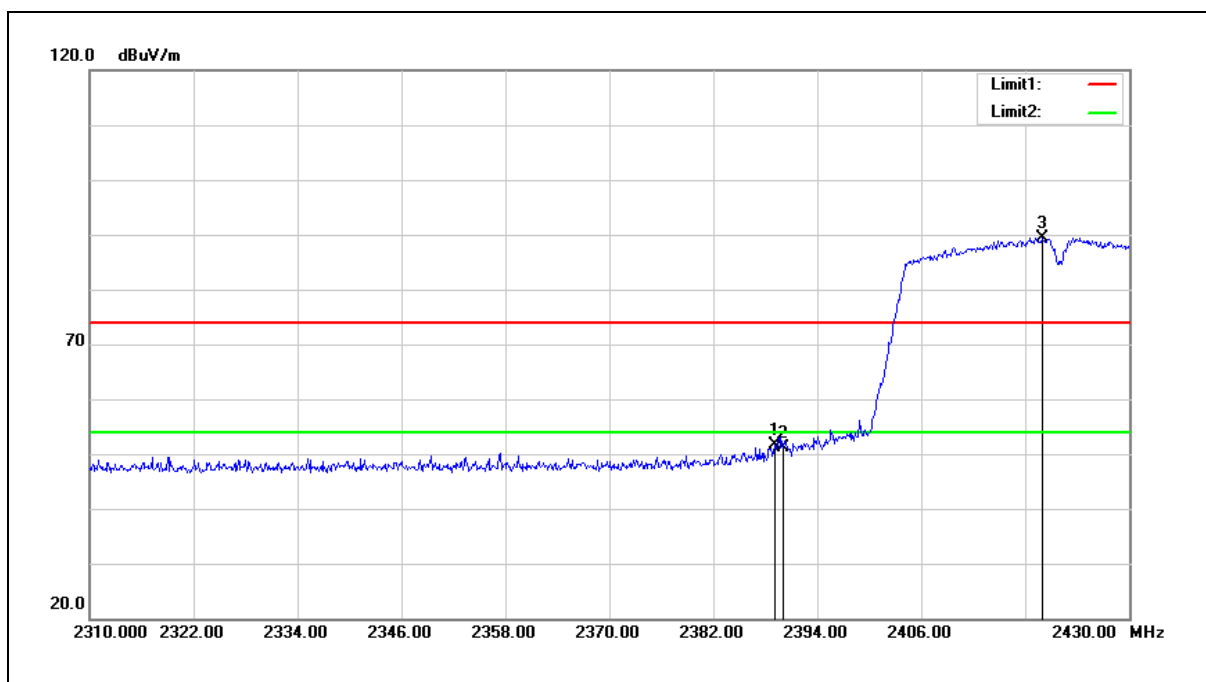
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.720	64.64	-9.79	54.85	74.00	-19.15	peak
2	2385.720	51.09	-9.79	41.30	54.00	-12.70	AVG
3	2386.920	65.75	-9.79	55.96	74.00	-18.04	peak
4	2386.920	54.09	-9.79	44.30	54.00	-9.70	AVG
5	2387.760	66.96	-9.79	57.17	74.00	-16.83	peak
6	2387.760	55.37	-9.79	45.58	54.00	-8.42	AVG
7	2390.000	67.92	-9.78	58.14	74.00	-15.86	peak
8	2390.000	56.57	-9.78	46.79	54.00	-7.21	AVG
9	2416.320	101.97	-9.72	92.25	---	---	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:	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		



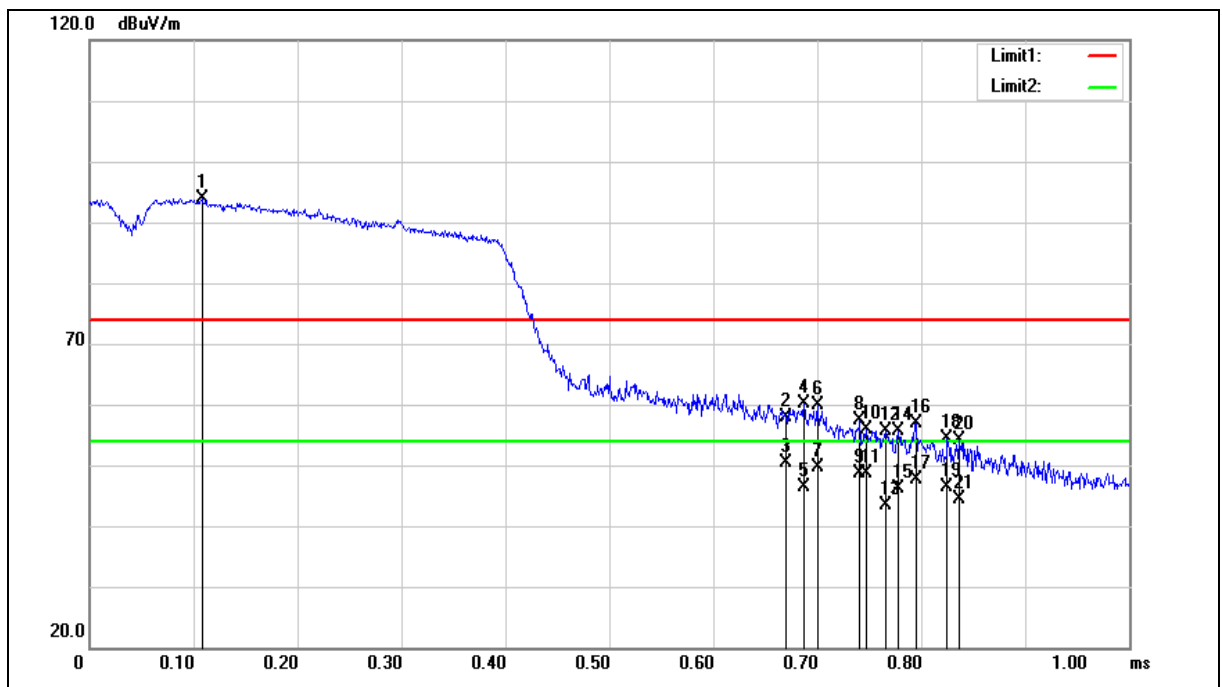
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.080	61.31	-9.79	51.52	74.00	-22.48	peak
2	2390.000	60.84	-9.78	51.06	74.00	-22.94	peak
3	2420.040	99.11	-9.70	89.41	---	---	peak

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

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

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

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



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

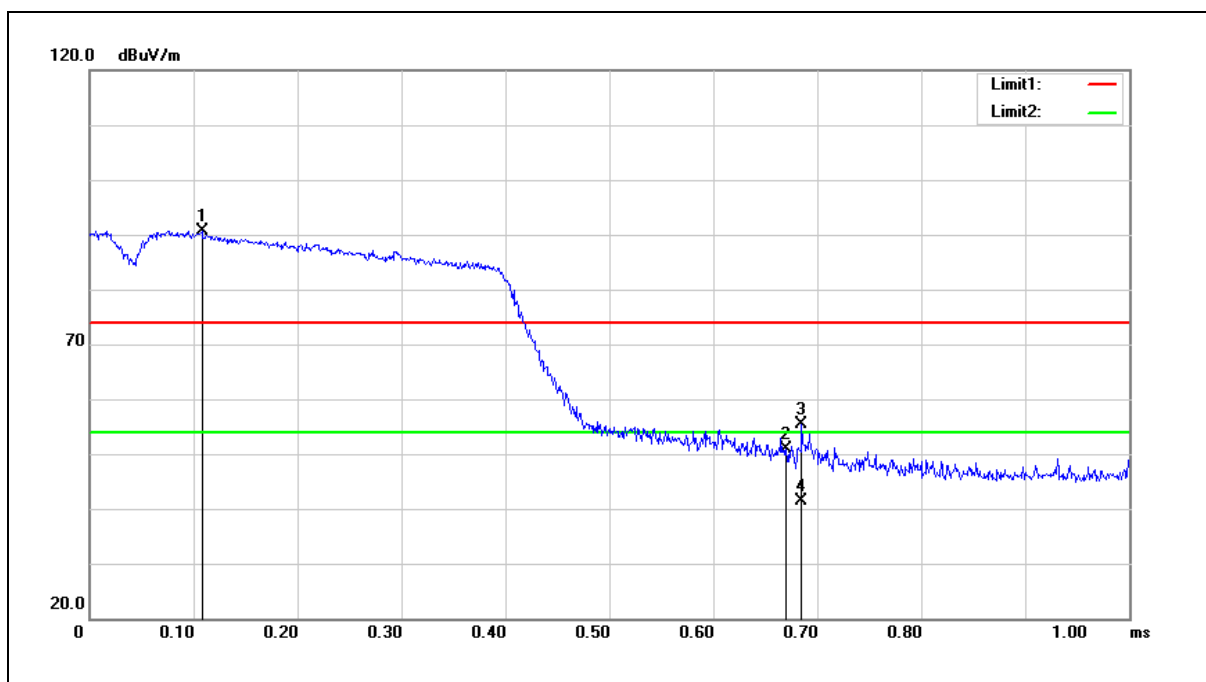
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2455.400	103.56	-9.63	93.93	---	---	peak
2	2483.500	67.53	-9.56	57.97	74.00	-16.03	peak
3	2483.500	59.91	-9.56	50.35	54.00	-3.65	AVG
4	2484.350	69.64	-9.56	60.08	74.00	-13.92	peak
5	2484.350	56.01	-9.56	46.45	54.00	-7.55	AVG
6	2485.000	69.51	-9.56	59.95	74.00	-14.05	peak
7	2485.000	59.19	-9.56	49.63	54.00	-4.37	AVG
8	2487.050	66.85	-9.56	57.29	74.00	-16.71	peak
9	2487.050	58.18	-9.56	48.62	54.00	-5.38	AVG
10	2487.350	65.40	-9.56	55.84	74.00	-18.16	peak
11	2487.350	58.26	-9.56	48.70	54.00	-5.30	AVG
12	2488.300	65.07	-9.56	55.51	74.00	-18.49	peak
13	2488.300	53.03	-9.56	43.47	54.00	-10.53	AVG
14	2488.900	65.13	-9.56	55.57	74.00	-18.43	peak
15	2488.900	55.79	-9.56	46.23	54.00	-7.77	AVG
16	2489.750	66.48	-9.55	56.93	74.00	-17.07	peak
17	2489.750	57.10	-9.55	47.55	54.00	-6.45	AVG
18	2491.250	63.99	-9.55	54.44	74.00	-19.56	peak
19	2491.250	55.90	-9.55	46.35	54.00	-7.65	AVG
20	2491.800	63.71	-9.55	54.16	74.00	-19.84	peak
21	2491.800	53.98	-9.55	44.43	54.00	-9.57	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:	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	2455.400	100.34	-9.63	90.71	---	---	peak
2	2483.500	60.53	-9.56	50.97	74.00	-23.03	peak
3	2484.250	64.91	-9.56	55.35	74.00	-18.65	peak
4	2484.250	51.05	-9.56	41.49	54.00	-12.51	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).

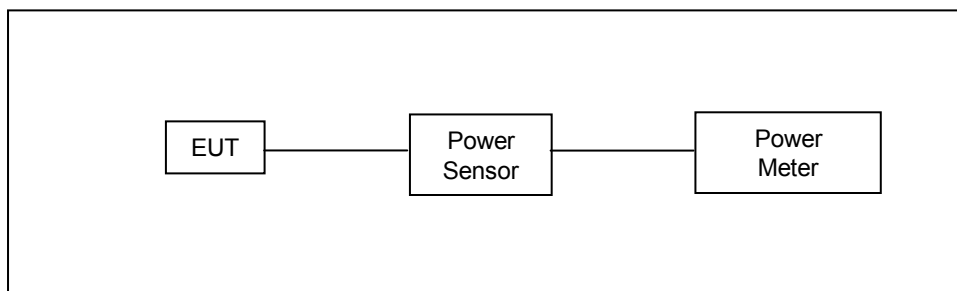
3. When the peak results are less than average limit, so not need to evaluate the average.

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

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)
			dBm	W	dBm	W	
Mode 2	1	01	12.62	0.018	14.98	0.031	30.00
		06	12.57	0.018	14.85	0.031	30.00
		11	10.92	0.012	13.44	0.022	30.00
Mode 3	6	01	11.00	0.013	13.87	0.024	30.00
		06	10.82	0.012	13.56	0.023	30.00
		11	5.73	0.004	8.56	0.007	30.00
Mode 4	6.5	01	8.74	0.007	11.62	0.015	30.00
		06	8.67	0.007	11.51	0.014	30.00
		11	9.29	0.008	11.35	0.014	30.00
Mode 5	13.5	03	-0.71	0.001	2.23	0.002	30.00
		06	-0.92	0.001	2.02	0.002	30.00
		09	-0.94	0.001	2.01	0.002	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:

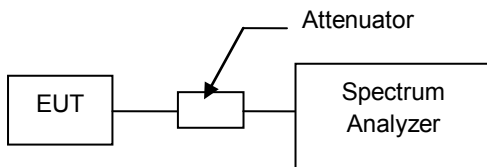
符合,本產品 2.4 GHz 使用 FPC Antenna (製造商: Guangzhou Taiji Electronic Co.,Ltd, 型號: FM-NP1801V),
最大增益值 1.24 dBi。

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
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

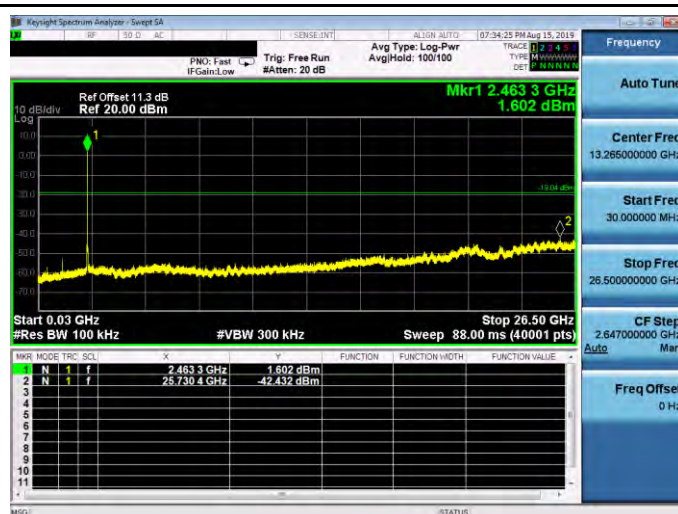
CH01

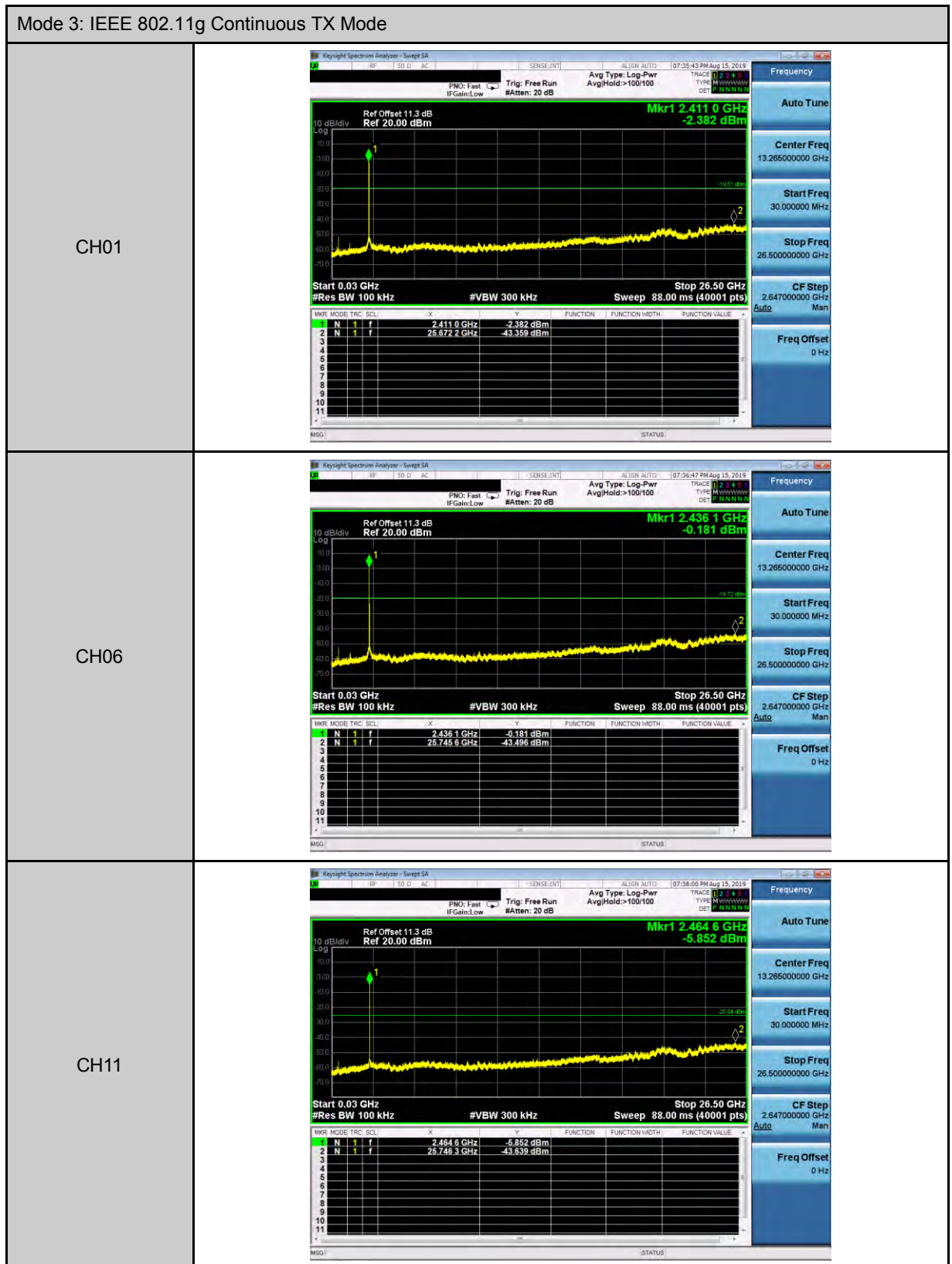


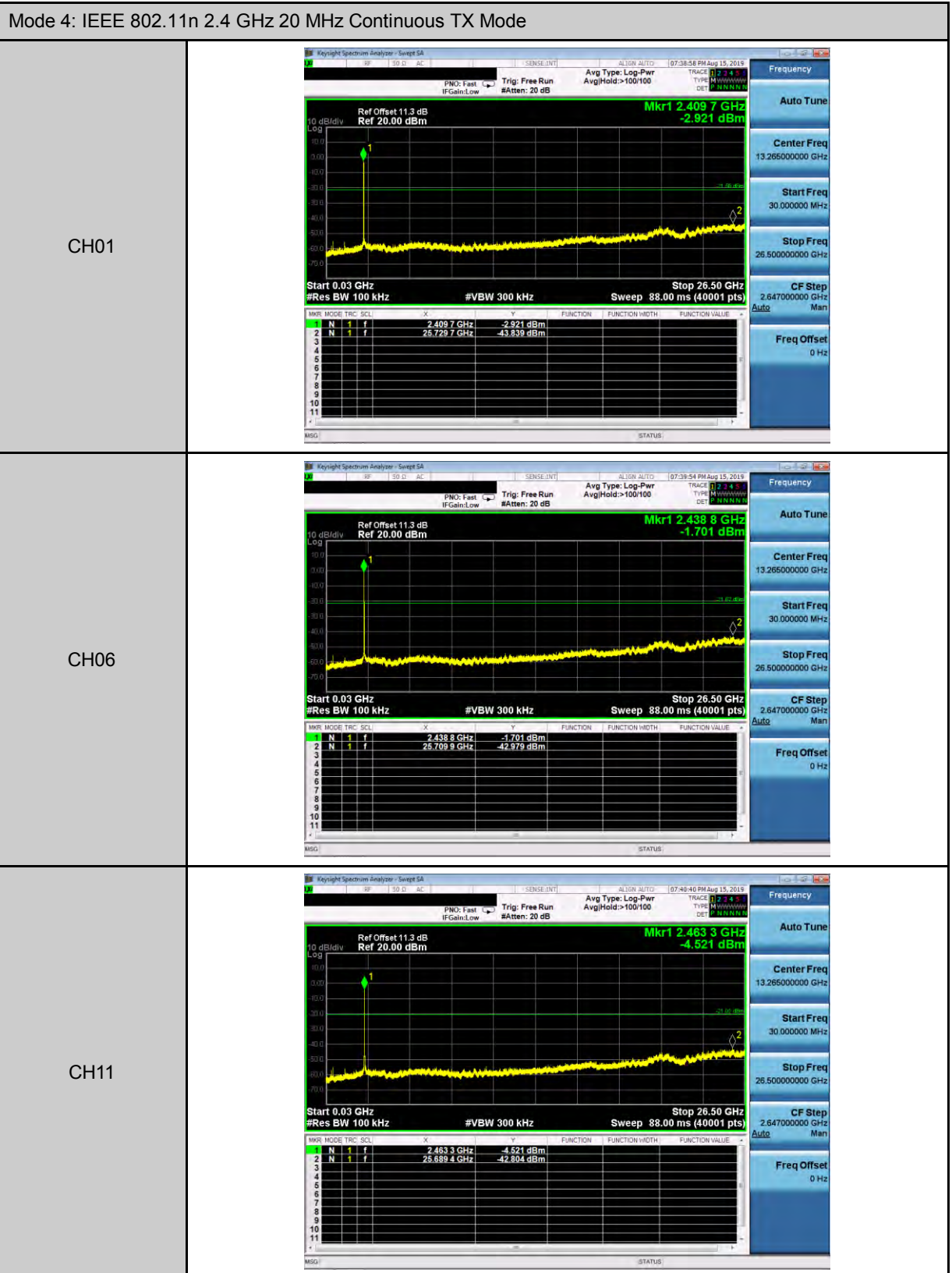
CH06

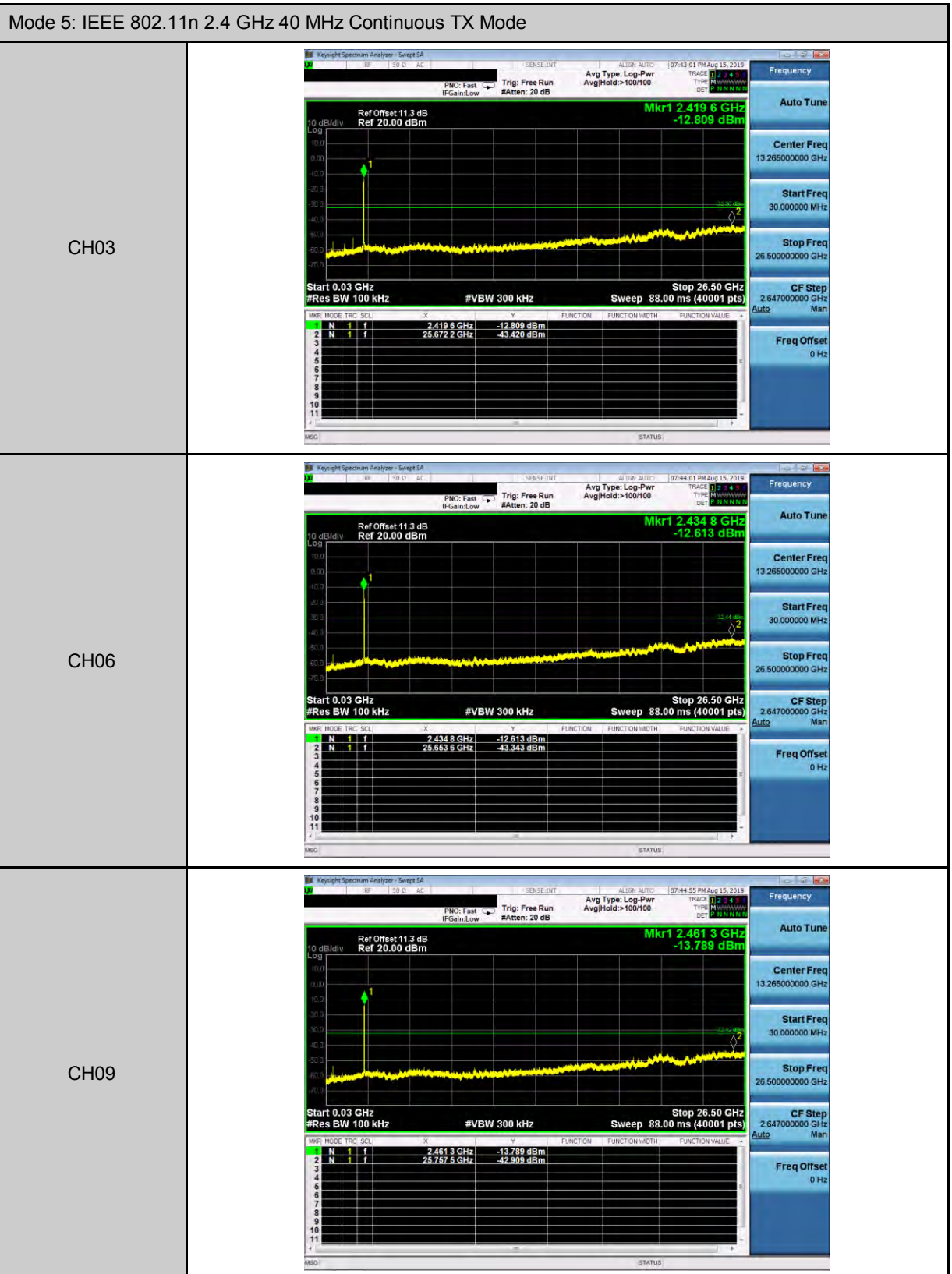


CH11



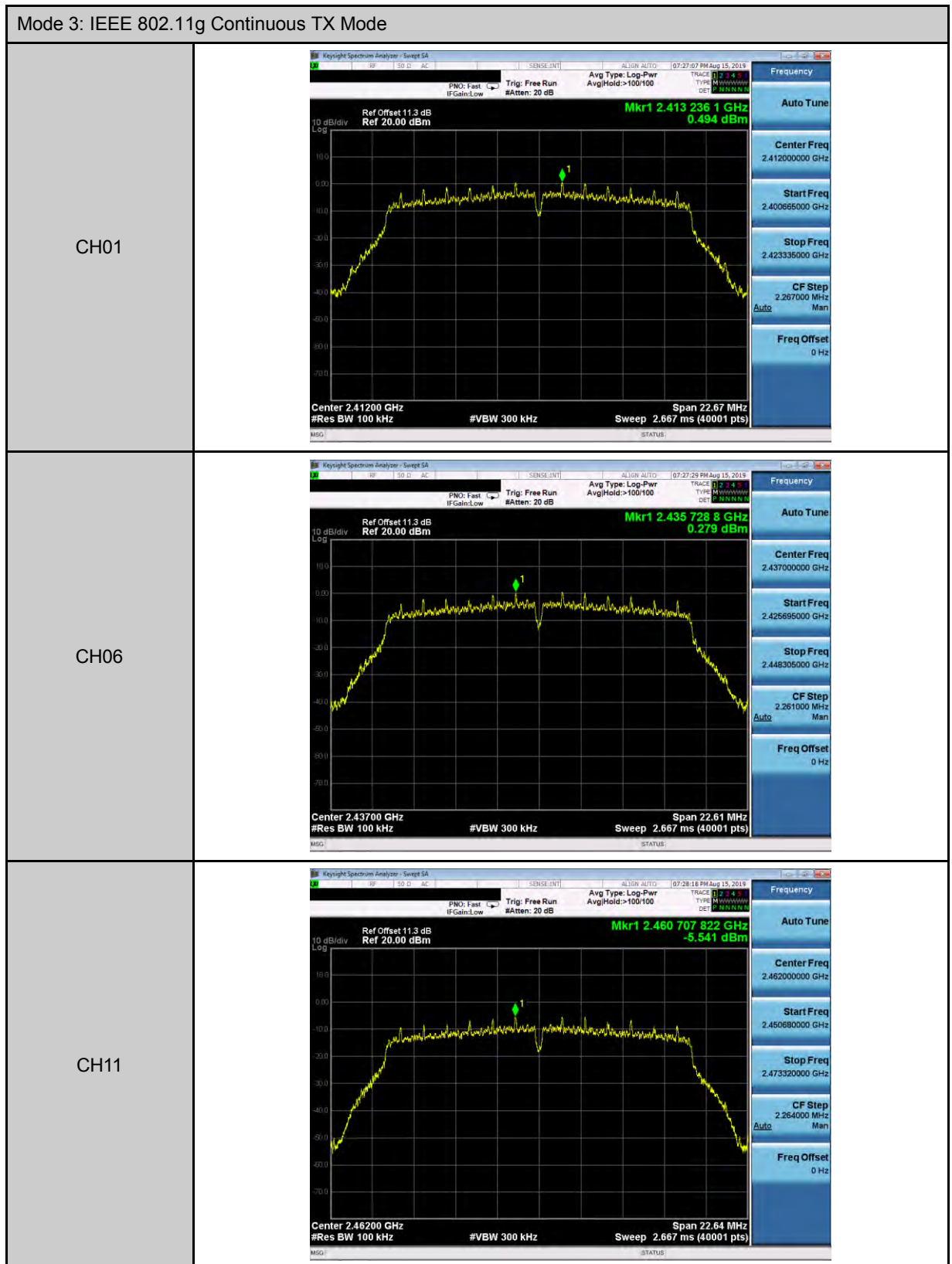


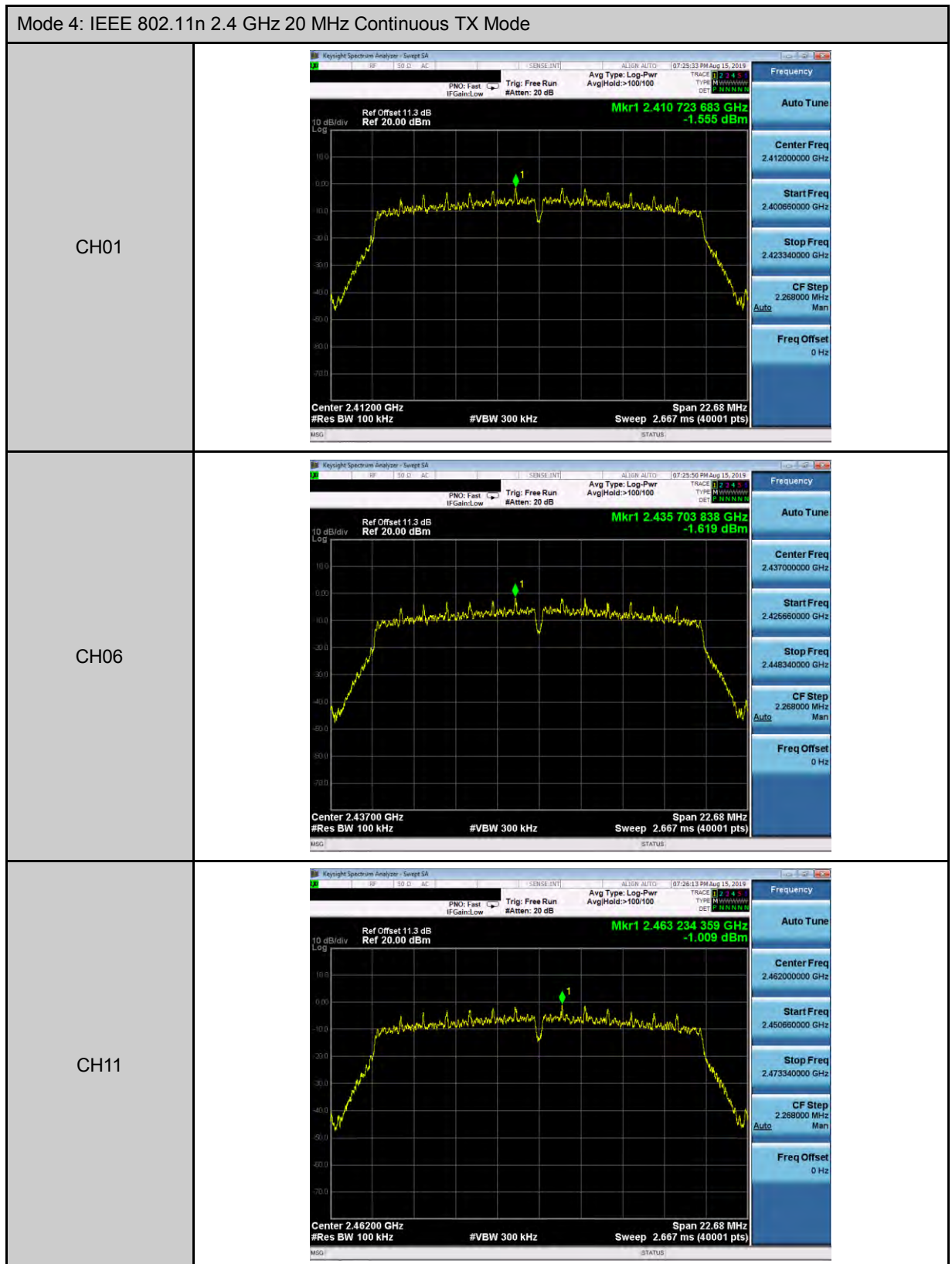


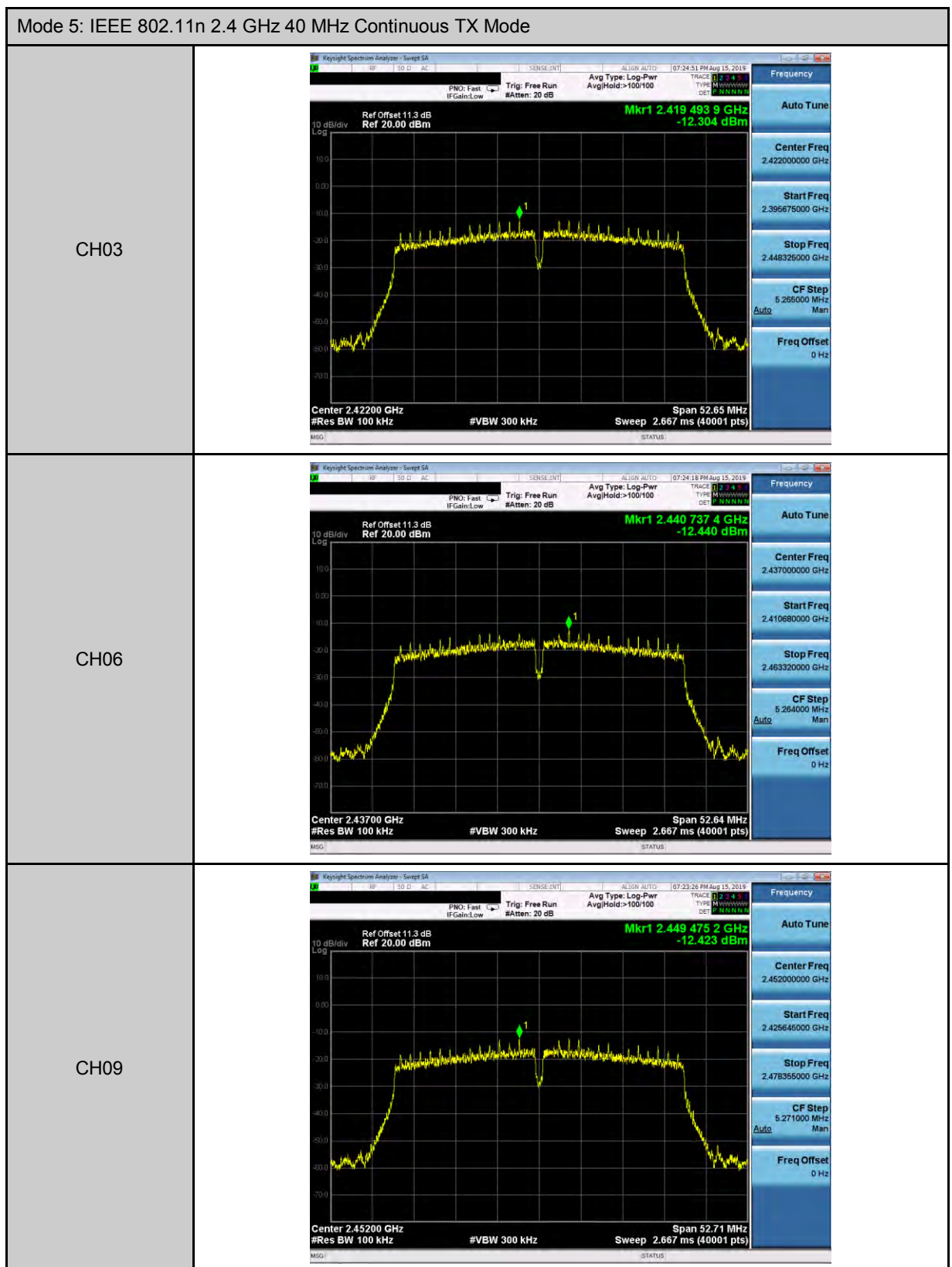


Reference level

Mode 2: IEEE 802.11b Continuous TX Mode	
CH01	 Key parameters for CH01: - Center Freq: 2.41200000 GHz - Start Freq: 2.405170000 GHz - Stop Freq: 2.418830000 GHz - CF Step: 1.386000 MHz - Freq Offset: 0 Hz - Span: 13.66 MHz - Center: 2.412000 GHz #Res BW: 100 kHz #VBW: 300 kHz - Sweep: 2.667 ms (40001 pts)
CH06	 Key parameters for CH06: - Center Freq: 2.43700000 GHz - Start Freq: 2.429490000 GHz - Stop Freq: 2.444510000 GHz - CF Step: 1.502000 MHz - Freq Offset: 0 Hz - Span: 15.02 MHz - Center: 2.437000 GHz #Res BW: 100 kHz #VBW: 300 kHz - Sweep: 2.667 ms (40001 pts)
CH11	 Key parameters for CH11: - Center Freq: 2.46200000 GHz - Start Freq: 2.454815000 GHz - Stop Freq: 2.469185000 GHz - CF Step: 1.437000 MHz - Freq Offset: 0 Hz - Span: 14.37 MHz - Center: 2.462000 GHz #Res BW: 100 kHz #VBW: 300 kHz - Sweep: 2.667 ms (40001 pts)



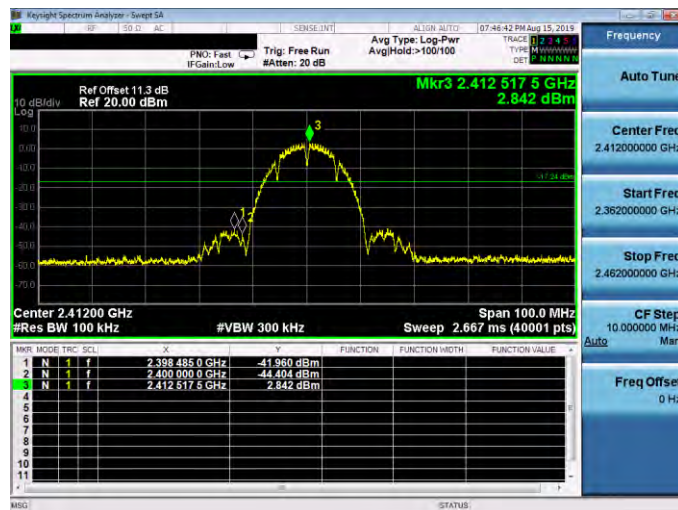




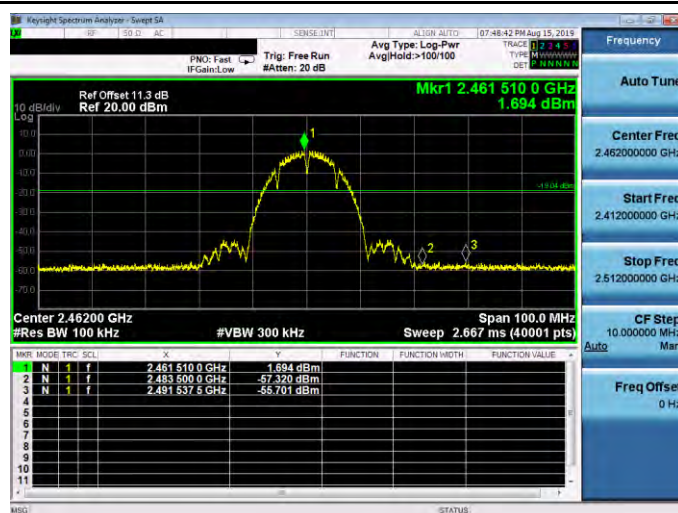
Conducted Band Edge

Mode 2: IEEE 802.11b Continuous TX Mode

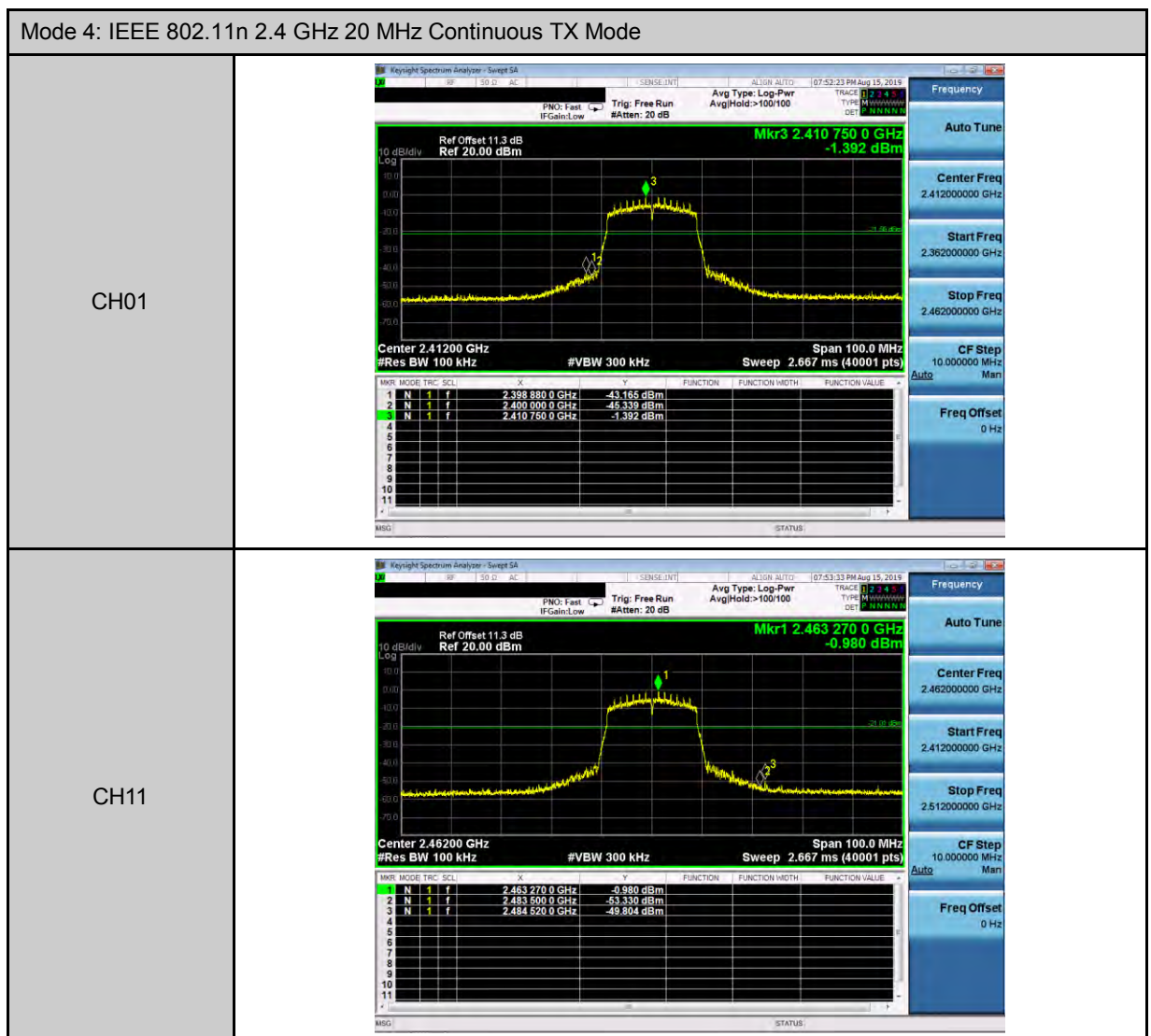
CH01

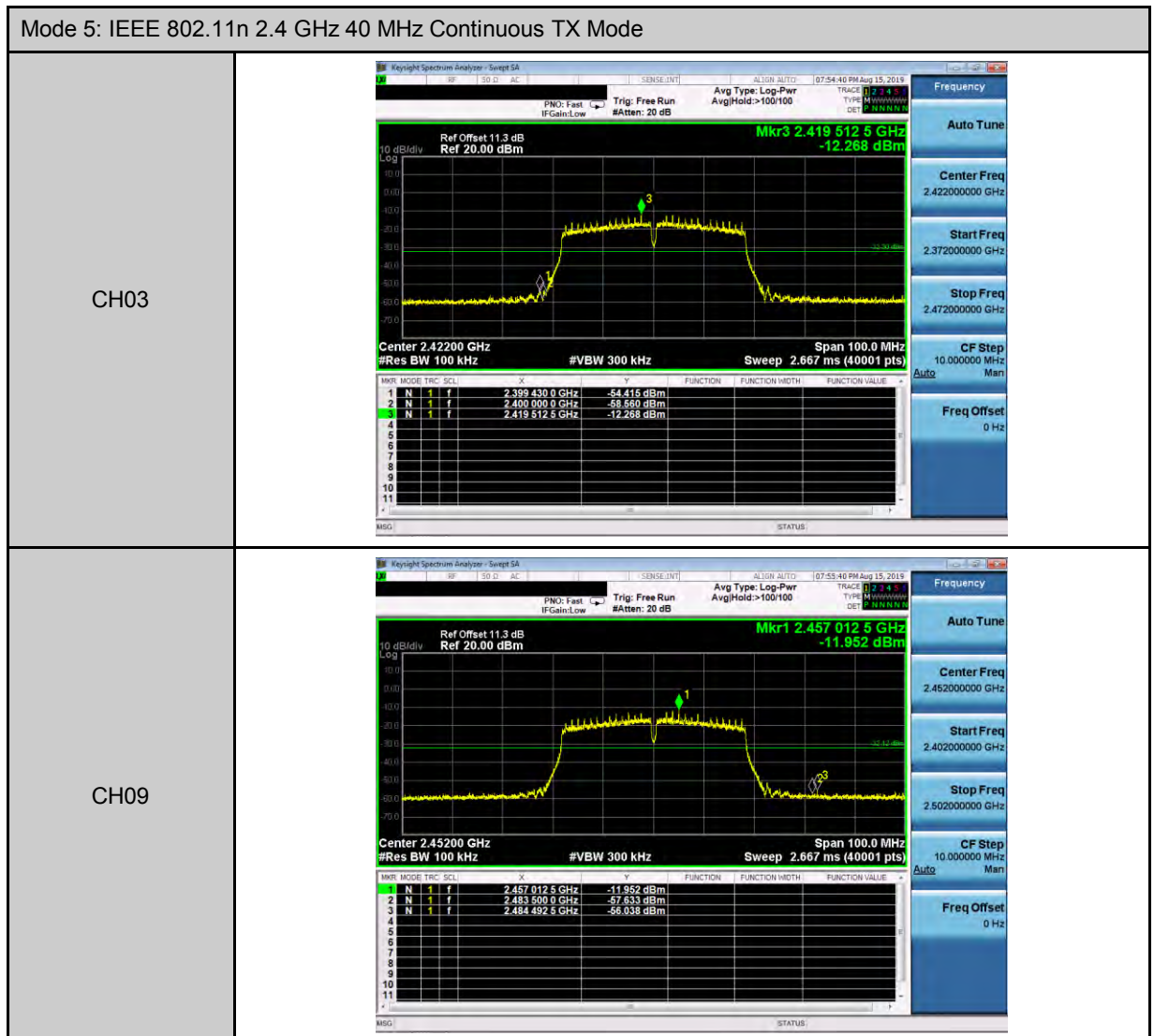


CH11







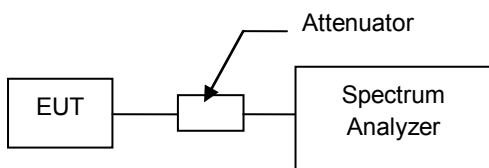


4.2.5 6 dB頻寬之要求

合格標準：

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

測試架構圖：



測試結果：

操作模式：Mode 2 / Mode 3 / Mode 4 / Mode 5			
操作模式	頻道	量測值 (kHz)	限制值 (kHz)
Mode 2	CH01	9106	≥ 500
	CH06	10010	≥ 500
	CH11	9579	≥ 500
Mode 3	CH01	15110	≥ 500
	CH06	15070	≥ 500
	CH11	15090	≥ 500
Mode 4	CH01	15120	≥ 500
	CH06	15120	≥ 500
	CH11	15120	≥ 500
Mode 5	CH03	35100	≥ 500
	CH06	35090	≥ 500
	CH09	35140	≥ 500
測試掃描圖請參考下頁。			

Mode 2: IEEE 802.11b Continuous TX Mode

CH01



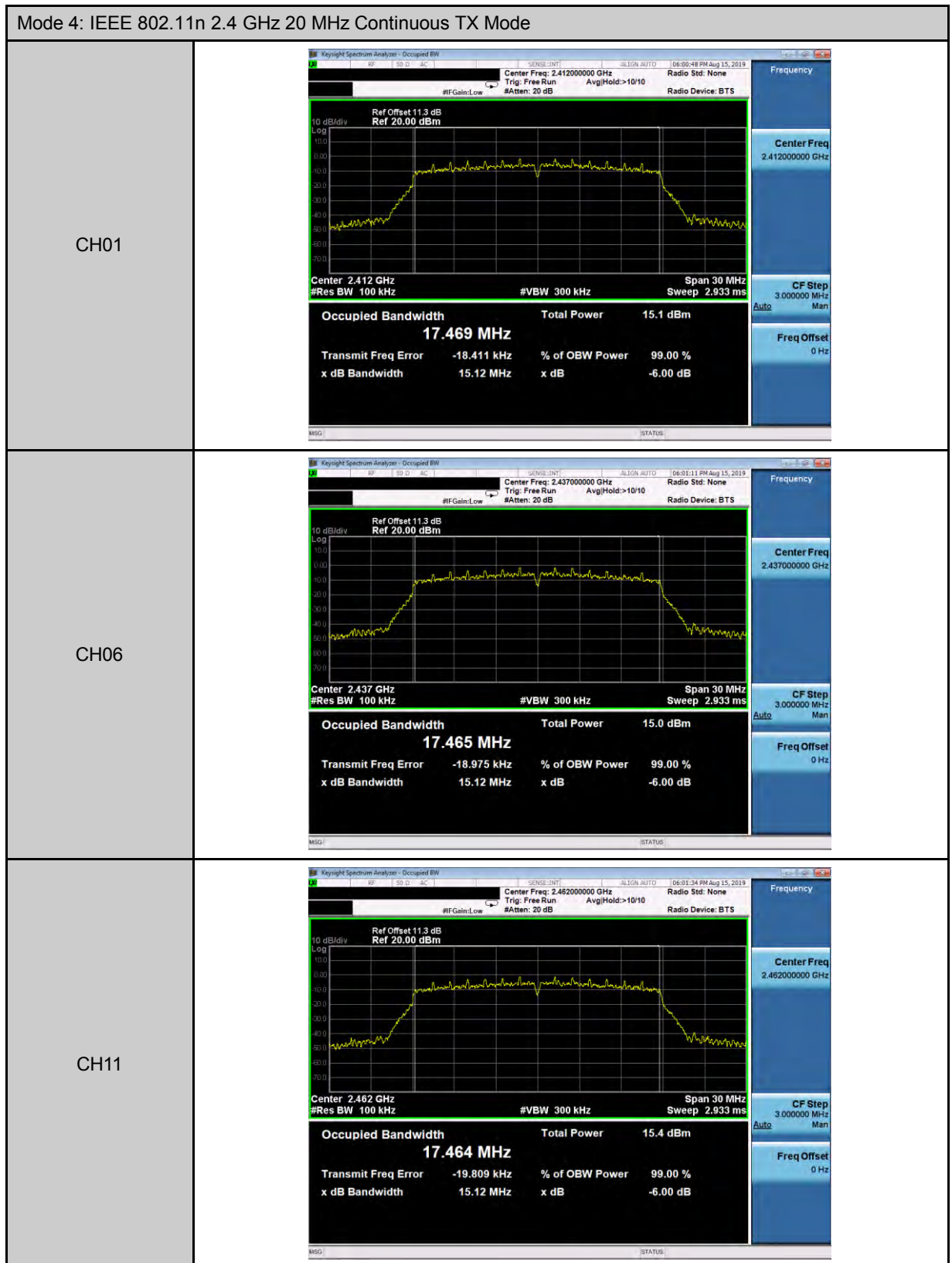
CH06

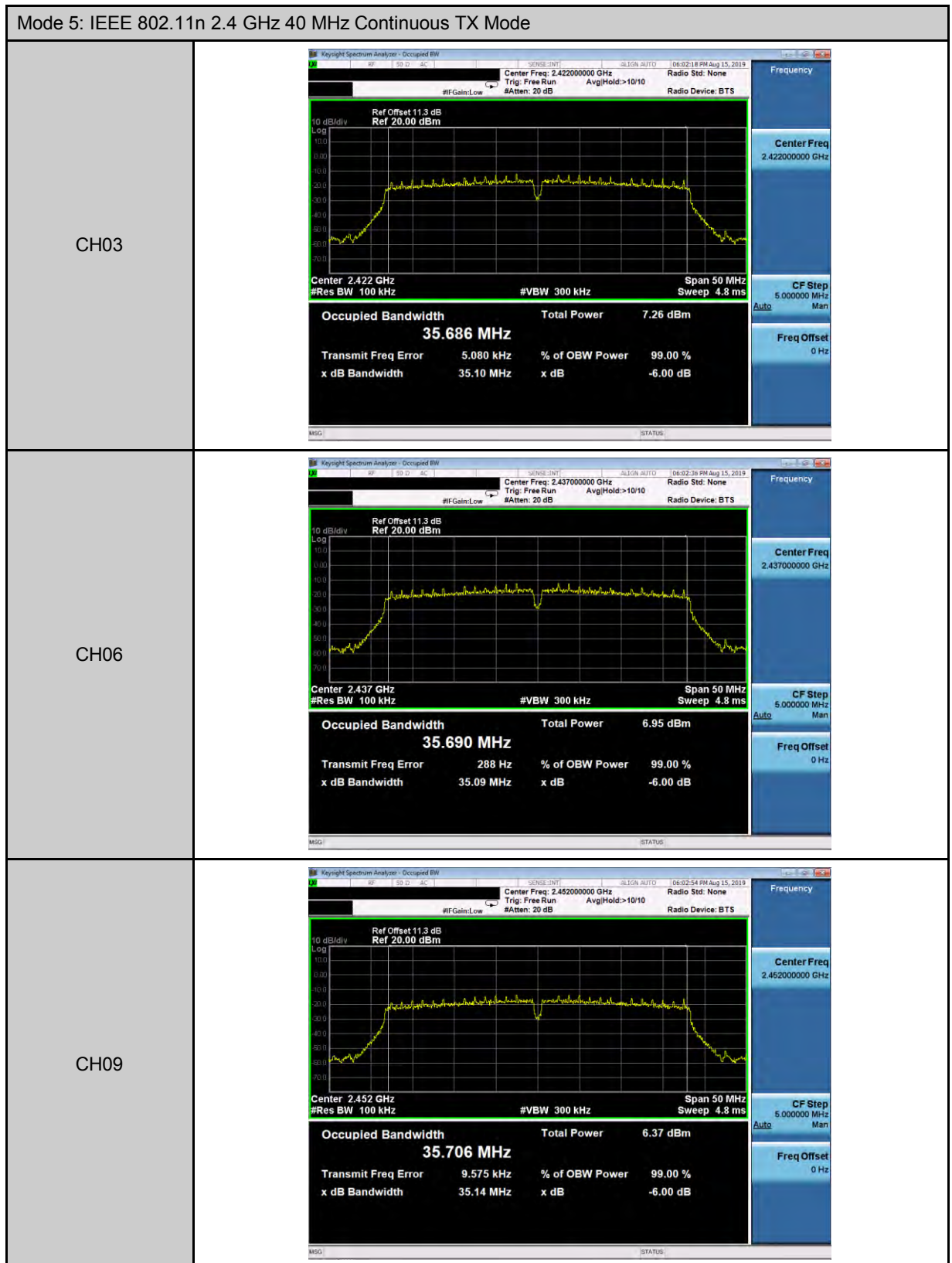


CH11









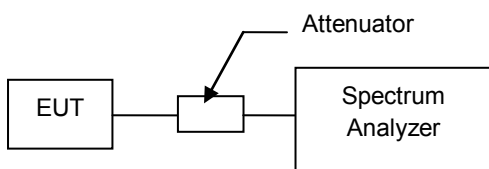
4.2.6 峰值發射功率頻譜密度之要求

合格標準：

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

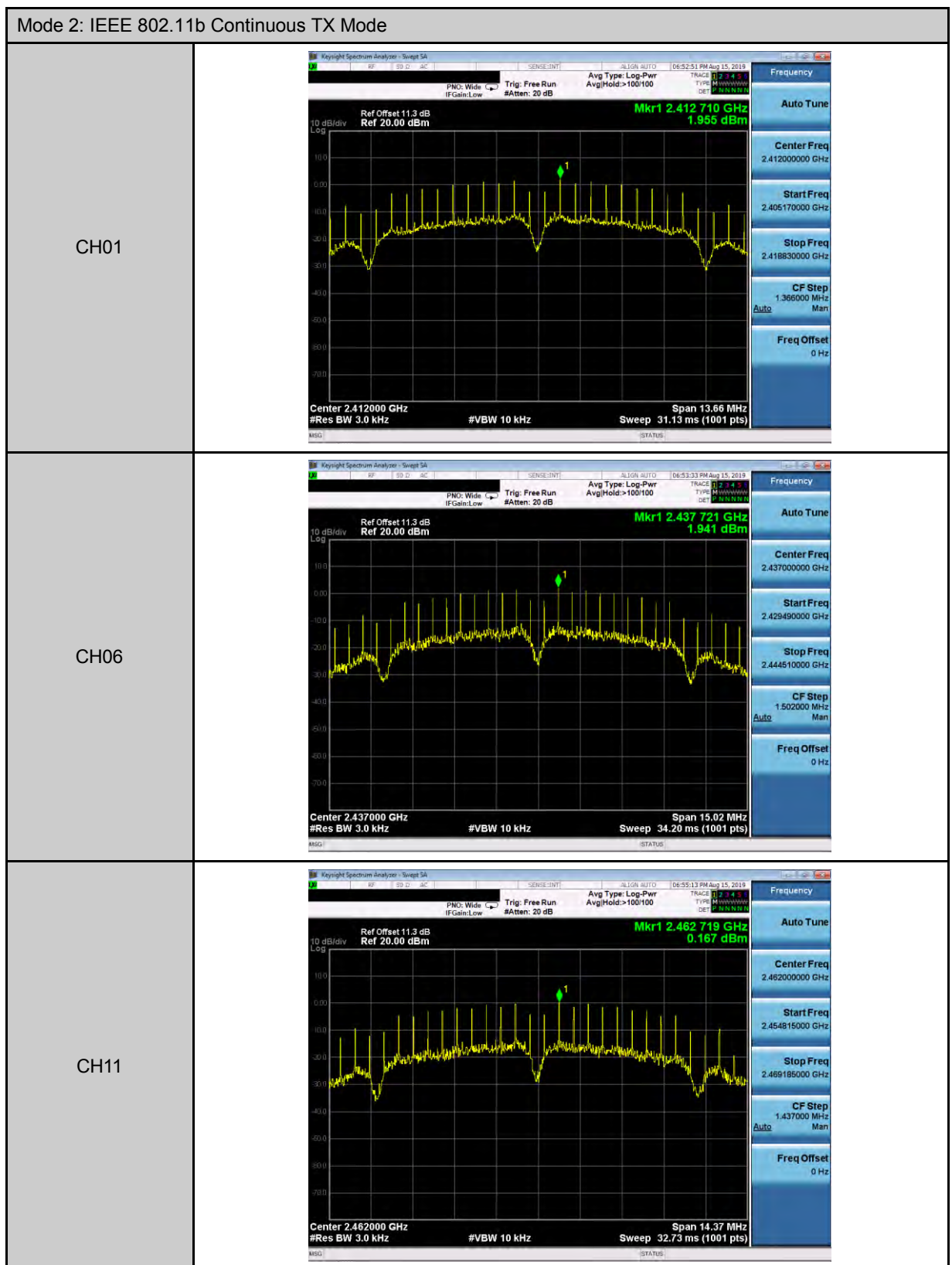
測試架構圖：

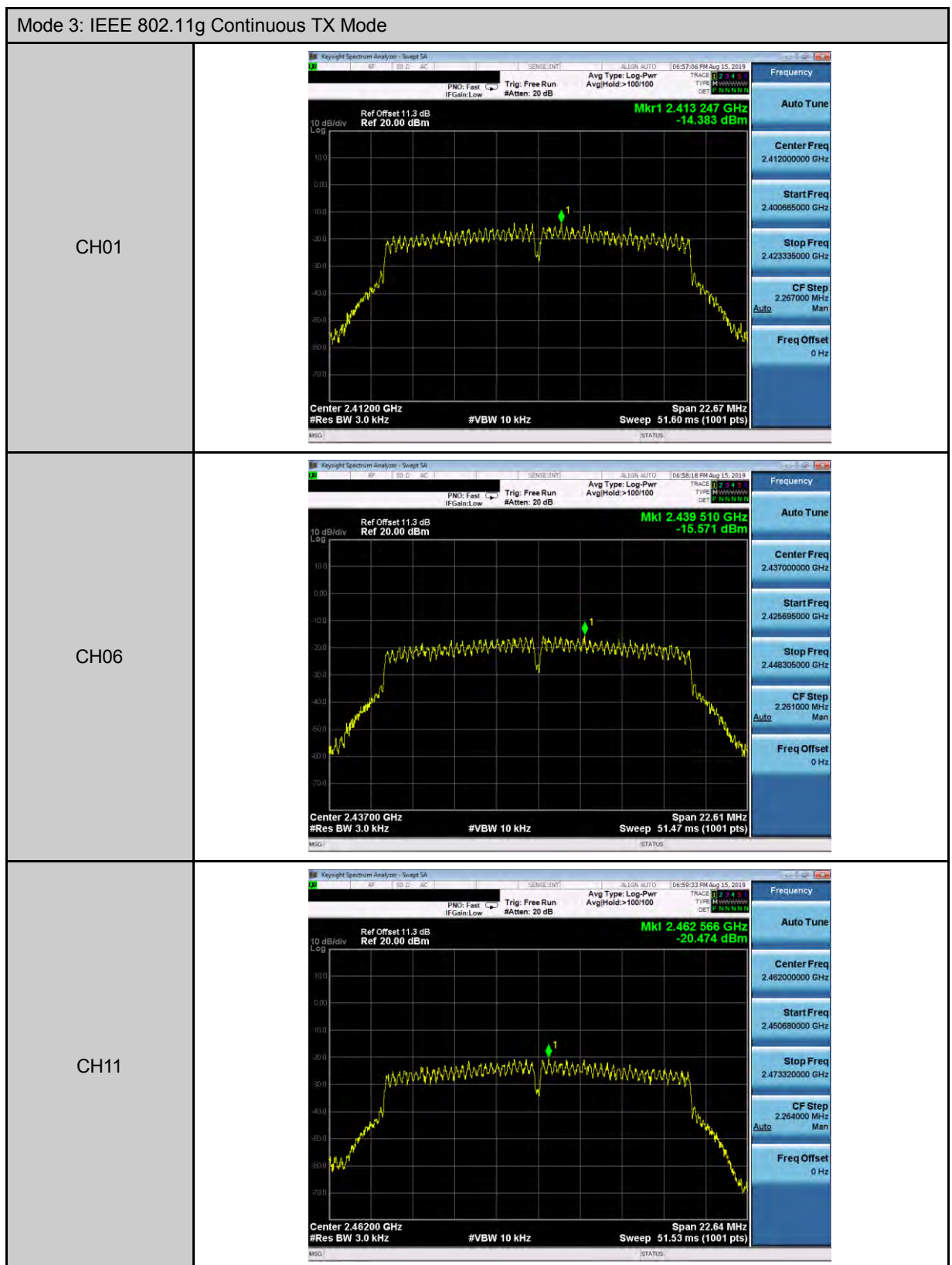
測試場地測試配置如圖所示。

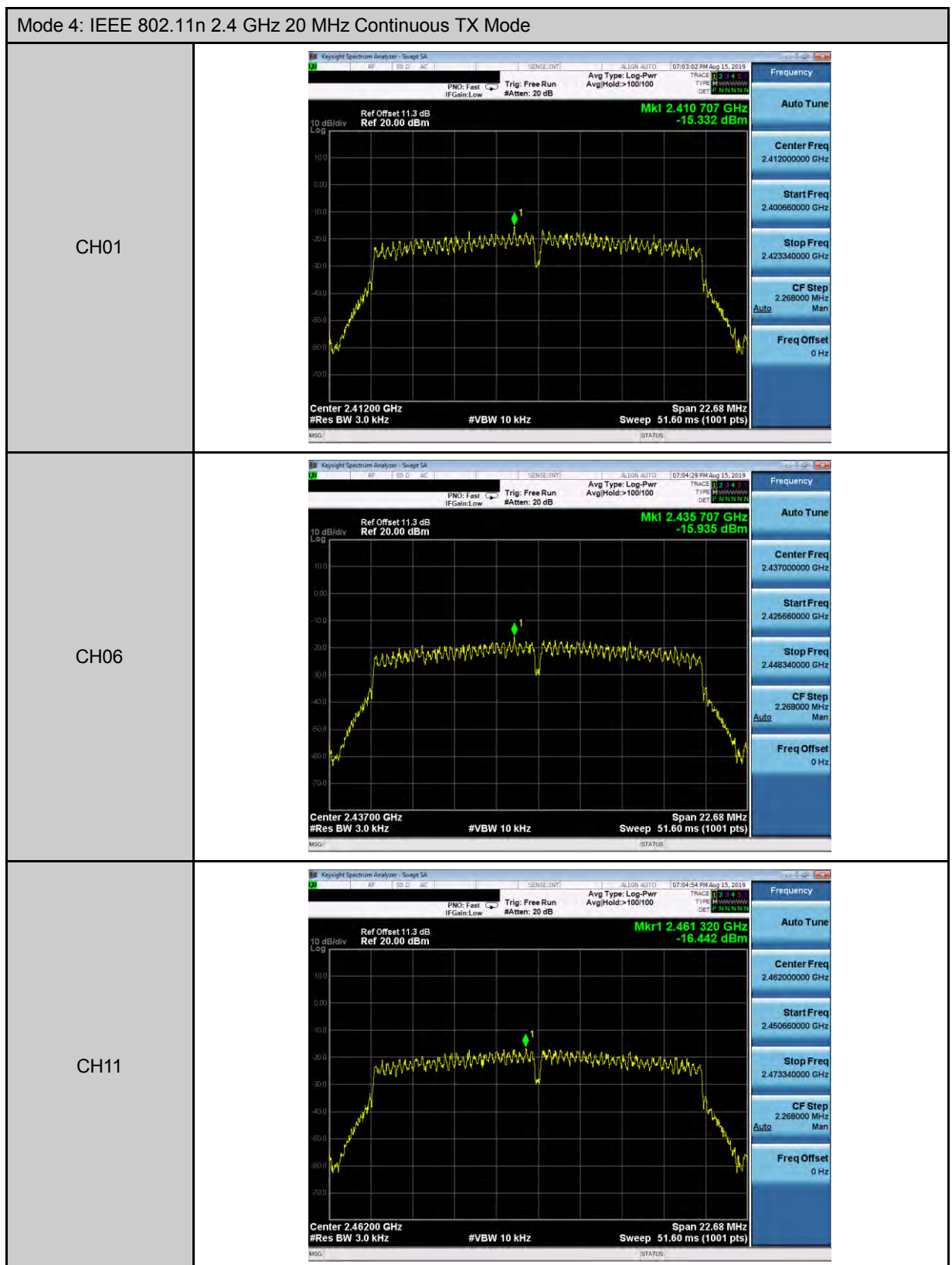


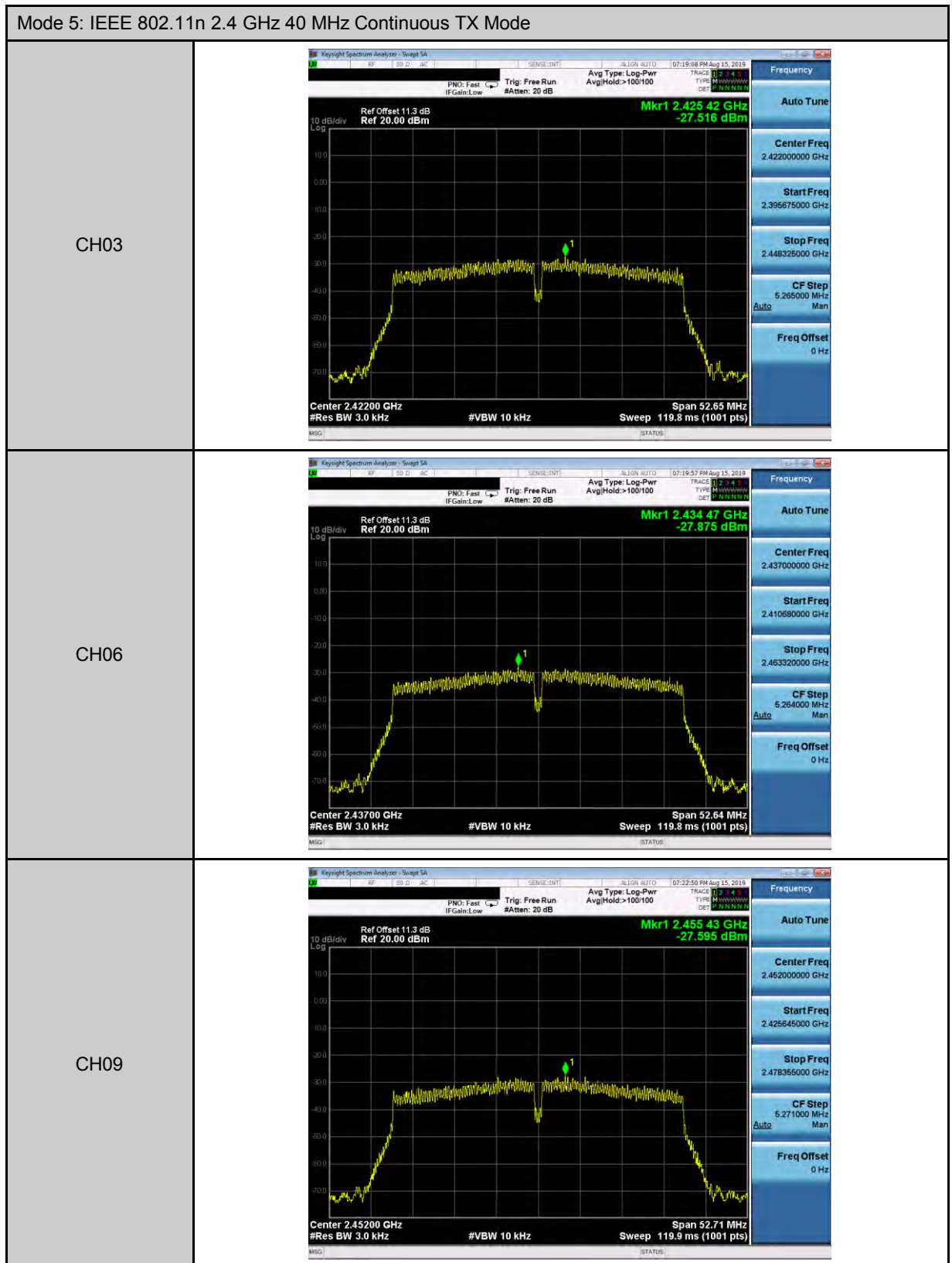
測試結果：

操作模式： Mode 2 / Mode 3 / Mode 4 / Mode 5			
測試結果： 合格			
操作模式	頻道	量測值 (dBm)	限制值 (dBm)
Mode 2	CH01	1.955	≤ 8
	CH06	1.941	≤ 8
	CH11	0.167	≤ 8
Mode 3	CH01	-14.383	≤ 8
	CH06	-15.571	≤ 8
	CH11	-20.474	≤ 8
Mode 4	CH01	-15.332	≤ 8
	CH06	-15.935	≤ 8
	CH11	-16.442	≤ 8
Mode 5	CH03	-27.516	≤ 8
	CH06	-27.875	≤ 8
	CH09	-27.595	≤ 8









4.2.7 電波暴露量之評估

合格標準：

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

5.20.2.1 職業性/可控制之暴露

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

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：MHz。

5.20.2.2 一般人/不可控制之暴露

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

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：MHz。

判定結果:

Band	Frequency (MHz)	Limit (mW/cm ²)	Distance [R] (cm)	Power [P] (dBm)	ANT Gain (dBi)	Numeric Gain [G] (dBi)	Duty Cycle	With Duty cycle [P] x [G] (mW)	Power Density [S] (mW/cm ²)
IEEE 802.11b	2412	1	20	12.62	1.24	1.33	1	24.314	0.0048
	2437	1	20	12.57	1.24	1.33	1	24.035	0.0048
	2462	1	20	10.92	1.24	1.33	1	16.438	0.0033
IEEE 802.11g	2412	1	20	11.00	1.24	1.33	1	16.744	0.0033
	2437	1	20	10.82	1.24	1.33	1	16.064	0.0032
	2462	1	20	5.73	1.24	1.33	1	4.976	0.0010
IEEE 802.11n 20 MHz	2412	1	20	8.74	1.24	1.33	1	9.951	0.0020
	2437	1	20	8.67	1.24	1.33	1	9.792	0.0019
	2462	1	20	9.29	1.24	1.33	1	11.294	0.0022
IEEE 802.11n 40 MHz	2422	1	20	-0.71	1.24	1.33	1	1.129	0.0002
	2437	1	20	-0.92	1.24	1.33	1	1.076	0.0002
	2452	1	20	-0.94	1.24	1.33	1	1.071	0.0002

--- END---