

低功率射頻器材技術規範測試報告 (WLAN)

報告編號:

RT200605E17

申請者

明基電通股份有限公司

產品名稱

BenQ HDMI 多媒體串流碟

型號

QS01

製造廠商

東莞市浩遠電子有限公司

商標或廠牌

BenQ

該產品樣品試驗

國家通訊傳播委員會低功率射頻器材技術規範

依據之試驗標準

109 年 7 月 1 日訂定

試驗結果

合格

香港商立德國際商品試驗有限公司桃園分公司新竹實驗室

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報告發行紀錄

Issue No.	Description	Date Issued
RT200605E17	Original release.	109 年 10 月 30 日

證 明 書

產 品 名 稱： BenQ HDMI 多媒體串流碟
商 標： BenQ
型 號： QS01
申 請 者： 明基電通股份有限公司
量 測 規 範： 低功率射頻器材技術規範 LP0002 (訂定日期：109 年 7 月 1 日)
ANSI C63.10-2013

香港商立德國際商品試驗有限公司桃園分公司在此證明上述待測設備樣品(型號：QS01)，收件日期109年9月08日，於109年9月08日至10月07日，已在本公司的標準測試場地完成量測。報告中所描述之測試結果和待測設備的架構組合，均根據樣品實際的量測情況作詳實的記錄。

立德桃園分公司依“低功率射頻器材技術規範”及“電信管制射頻器材審驗管理辦法”製作測試結果報告。

特 此 證 明 ！

報告製作者： 黃健琳，日期： 109年10月30日
黃健琳 / 專員

審 核 者： 陳瓊美，日期： 109年10月30日
陳瓊美 / 經理

香港商立德國際商品試驗有限公司桃園分公司

實驗室地址：300 新竹市科學工業園區力行一路1號E-2

此份報告不得摘錄複製，除全份複製外，需經實驗室書面同意。



1 低功率射頻器材量測記錄表

申請廠商： 明基電通股份有限公司

製造廠商： 東莞市浩遠電子有限公司

申請廠商地址： 北市內湖區基湖路 16 號

廠牌： BenQ

產品名稱： BenQ HDMI 多媒體串流碟

型號： QS01

量測單位名稱： 香港商立德國際商品試驗有限公司桃園分公司 新竹實驗室

量測單位地址： 300 新竹市科學工業園區力行一路 1 號 E-2

量測單位認可編號： TAF 2022

量測規範： 低功率射頻器材技術規範 LP0002 (訂定日期： 109 年 7 月 1 日)
ANSI C63.10-2013

WLAN 2.4GHz 頻段概要

項次	量測項目	規 範	量測結果判定
1	帶外發射	低功率射頻器材技術規範 4.10.1.5 節	合格
2	電源線傳導干擾	低功率射頻器材技術規範 3.3 節	合格
3	6 dB 頻寬	低功率射頻器材技術規範 4.10.1.6 節	合格
4	峰值傳導輸出功率	低功率射頻器材技術規範 4.10.1.2 節	合格
5	功率頻譜密度	低功率射頻器材技術規範 4.10.1.6 節	合格

WLAN 5.15~5.25GHz頻段概要

項次	量測項目	規 範	量測結果判定
1	電源線傳導干擾	低功率射頻器材技術規範3.3節	合格
2	帶外發射	低功率射頻器材技術規範5.7.4節	合格
3	最大傳導輸出功率	低功率射頻器材技術規範5.7.3.1節	合格
4	最大功率頻譜密度	低功率射頻器材技術規範5.7.3.1節	合格

WLAN 5.25~5.35GHz頻段概要

項次	量測項目	規 範	量測結果判定
1	電源線傳導干擾	低功率射頻器材技術規範3.3節	合格
2	帶外發射	低功率射頻器材技術規範5.7.4節	合格
3	最大傳導輸出功率	低功率射頻器材技術規範5.7.3.2節	合格
4	最大功率頻譜密度	低功率射頻器材技術規範5.7.3.2節	合格
5	發射功率控制(TPC)及動態頻率選擇(DFS)	低功率射頻器材技術規範5.7.7.1及5.7.7.2節	註

註： 此份測試報告未包含發射功率控制(TPC)及動態頻率選擇(DFS)量測項目，請參閱報告號碼：
RT200605E17-3

WLAN 5.470~5.725GHz頻段概要

項次	量測項目	規 範	量測結果判定
1	電源線傳導干擾	低功率射頻器材技術規範3.3節	合格
2	帶外發射	低功率射頻器材技術規範5.7.4節	合格
3	最大傳導輸出功率	低功率射頻器材技術規範5.7.3.2節	合格
4	最大功率頻譜密度	低功率射頻器材技術規範5.7.3.2節	合格
5	發射功率控制(TPC)及動態頻率選擇(DFS)	低功率射頻器材技術規範5.7.7.1及5.7.7.2節	註

註: 此份測試報告未包含發射功率控制(TPC)及動態頻率選擇(DFS)量測項目, 請參閱報告號碼:
RT200605E17-3

WLAN 5.725~5.850GHz 頻段概要

項次	量測項目	規 範	量測結果判定
1	電源線傳導干擾	低功率射頻器材技術規範3.3節	合格
2	帶外發射	低功率射頻器材技術規範5.7.4節	合格
3	最大傳導輸出功率	低功率射頻器材技術規範5.7.3.3節	合格
4	最大功率頻譜密度	低功率射頻器材技術規範5.7.3.3節	合格
5	6dB 頻寬	低功率射頻器材技術規範5.7.5節	合格

最大暴露允許值(Maximum Permissible Exposure, MPE)

項次	量測項目	規 範	量測結果判定
1	電波暴露量	低功率射頻器材技術規範 6.20.2 節	合格

備註: 量測結果之判定不考慮量測不確定度的貢獻。

2 一般敘述

2.1 待測設備

產品名稱：	BenQ HDMI 多媒體串流碟
型號：	QS01
額定電源：	5 Vdc from USB interface
調變方式：	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode only
調變技術：	DSSS, OFDM
傳輸速率：	802.11b: up to 11 Mbps 802.11a/g: up to 54 Mbps 802.11n: up to 300 Mbps 802.11ac: up to 866.7 Mbps
載波頻率：	2.4GHz: 2.412 ~ 2.462 GHz 5GHz: 5.18 ~ 5.24 GHz, 5.26GHz ~ 5.32GHz, 5.5 ~ 5.7 GHz, 5.745 ~ 5.825 GHz
頻道數：	2.4GHz: 802.11b, 802.11g, 802.11n (HT20): 11 802.11n (HT40): 7 5GHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 24 802.11n (HT40), 802.11ac (VHT40): 11 802.11ac (VHT80): 5
發射功率：	2.412 ~ 2.462 GHz: 28.14 dBm 5.18 ~ 5.24 GHz: 22.19 dBm 5.26 ~ 5.32 GHz: 22.06 dBm 5.5 ~ 5.7 GHz: 21.35 dBm 5.745 ~ 5.825 GHz: 24.18 dBm
天線種類：	見註
電源線類別：	NA
信號線類別：	NA
配件：	NA

註:

1. 此待測設備同時具有Bluetooth及WLAN 技術。
2. 同一時間發射條件如下:

Condition	Technology	
1	WLAN (2.4GHz)	WLAN (5GHz)
2	WLAN (2.4GHz)	Bluetooth
3	WLAN (5GHz)	Bluetooth

Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.

3. 此待測設備搭配測試的天線，其資料如下：

Antenna No.	RF Chain No.	Brand	Model No.	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connecteur Type
WiFi	Chain 0	勁風科技	JFT3291-1	2.7	2.4~2.4835	Integral Antenna	None
				4.49	5.15~5.85		
WiFi/BT	Chain 1	勁風科技	JFT3291-2	3.39	2.4~2.4835	Integral Antenna	None
				4.16	5.15~5.85		

Note: For 1TX configuration the max. gain was selected for the final test.

4. 上述天線的規格資訊由申請者聲明，實驗室不承擔任何責任。
5. 此待測物之技術的種類為2TX / 2RX之組合。

2.4GHz Band		
MODULATION MODE	TX & RX CONFIGURATION	
802.11b	1TX (Diversity)	2RX
802.11g	1TX (Diversity)	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
5GHz Band		
MODULATION MODE	TX & RX CONFIGURATION	
802.11a	1TX (Diversity)	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
802.11ac (VHT20)	2TX	2RX
802.11ac (VHT40)	2TX	2RX
802.11ac (VHT80)	2TX	2RX

Note: The modulation and bandwidth are similar for 802.11n mode for 20MHz (40MHz) and 802.11ac mode for 20MHz (40MHz, 80MHz), therefore the manufacturer will control the power for 802.11n mode is the same as the 802.11ac or more lower than it and investigated worst case to representative mode in test report.

6. 此報告中，場強輻射量測經過評估後以下列測試模式進行最終量測。

2.4GHz 頻段		
量測項目	發射	接收
1GHz 以上量測	802.11b: Ch 1, 6, 11 802.11g: Ch 1, 6, 11 802.11n (HT20): Ch 1, 6, 11 802.11n (HT40): Ch 3, 6, 9	Ch 6
其它不必要之訊號	RF 模式: 802.11n (HT20): Ch 6 HDMI 模式	Ch 6
5GHz 頻段		
量測項目	發射	接收
1GHz 以上量測	802.11a: Ch 36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165 802.11ac (VHT20): Ch 36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165 802.11ac (VHT40): Ch 38, 46, 54, 62, 102, 110, 134, 151, 159 802.11ac (VHT80): Ch 42, 58, 106, 122, 155	Ch 165
其它不必要之訊號	802.11ac (VHT20): Ch 165	Ch 165
*電源線傳導干擾量測經過評估後，2.4 GHz頻段以802.11n (HT20): Ch 6以及HDMI模式測試模式進行最終量測，5 GHz頻段以802.11ac (VHT20): Ch 165測試模式進行最終量測。		

7. 此待測設備，經評估三個正交軸方位評估測試擺設方式：平躺、垂直、側放，其中場強輻射量測 (Below 1GHz) 以平躺擺放擁有最大干擾值，場強輻射量測 (Above 1GHz) 以側放擺放擁有最大干擾值，故以此擺放方式進行最終量測，並將測試結果紀錄。

8. Duty cycle of test signal

2.4GHz频段

If duty cycle of test signal is $\geq 98\%$, duty factor is not required.

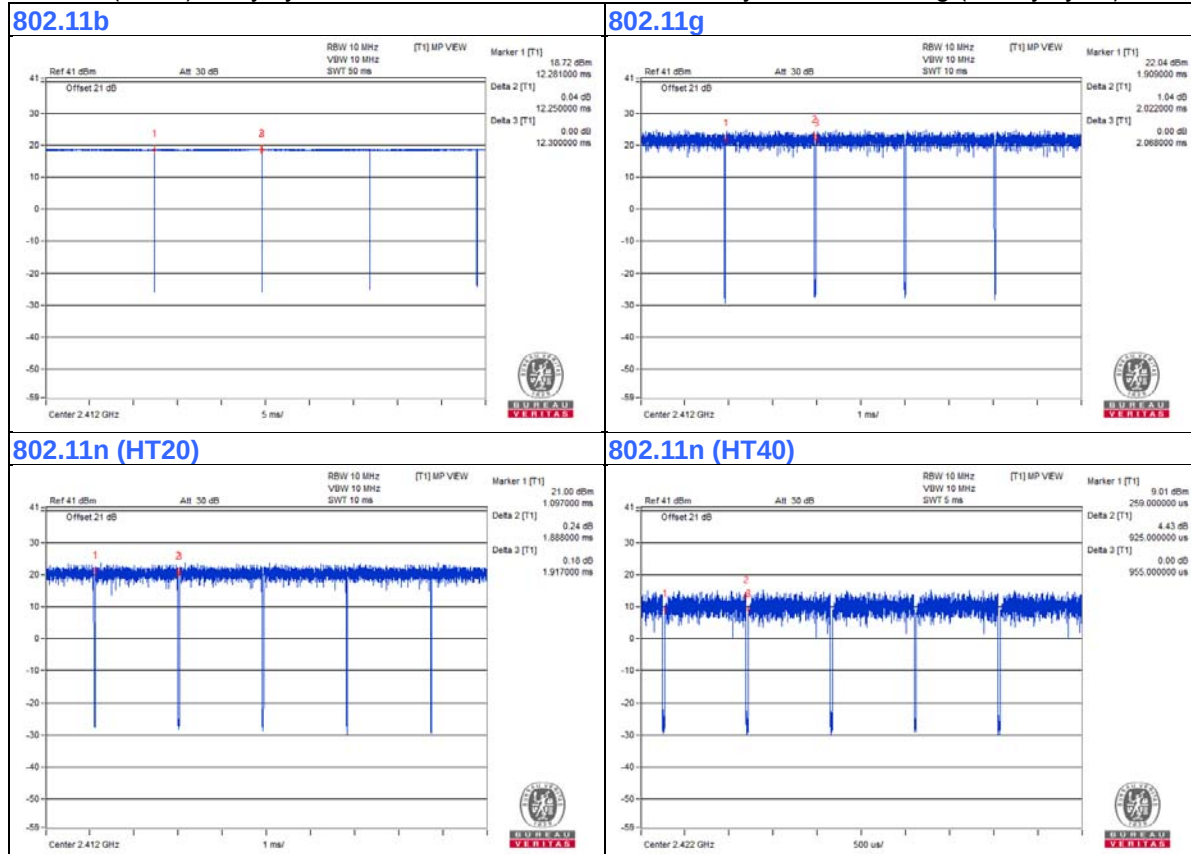
If duty cycle of test signal is $< 98\%$, duty factor shall be considered.

802.11b: Duty cycle = $12.25 \text{ ms} / 12.3 \text{ ms} = 0.996$

802.11g: Duty cycle = $2.022 \text{ ms} / 2.068 \text{ ms} = 0.978$

802.11n (HT20): Duty cycle = $1.888 \text{ ms} / 1.917 \text{ ms} = 0.985$

802.11n (HT40): Duty cycle = $0.925 \text{ ms} / 0.955 \text{ ms} = 0.969$, Duty factor = $10 \cdot \log(1/\text{Duty cycle}) = 0.14 \text{ dB}$



5GHz 频段

If duty cycle of test signal is $\geq 98\%$, duty factor is not required.

If duty cycle of test signal is $< 98\%$, duty factor shall be considered.

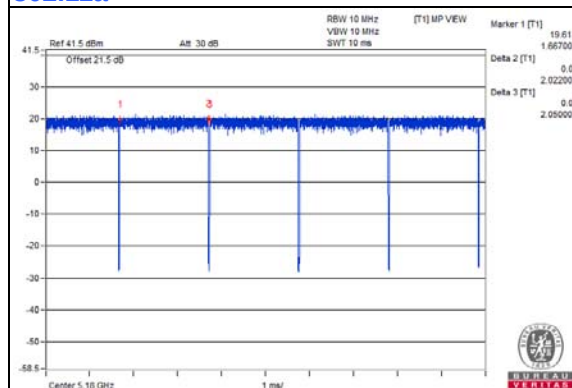
802.11a: Duty cycle = $2.022 \text{ ms} / 2.05 \text{ ms} = 0.986$

802.11ac (VHT20): Duty cycle = $2.022 \text{ ms} / 2.051 \text{ ms} = 0.986$

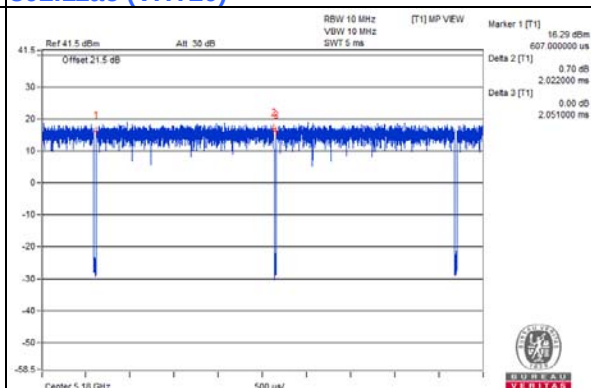
802.11ac (VHT40): Duty cycle = $0.925 \text{ ms} / 0.956 \text{ ms} = 0.968$, Duty factor = $10 * \log(1/\text{Duty cycle}) = 0.14 \text{ dB}$

802.11ac (VHT80): Duty cycle = $0.451 \text{ ms} / 0.479 \text{ ms} = 0.942$, Duty factor = $10 * \log(1/\text{Duty cycle}) = 0.26 \text{ dB}$

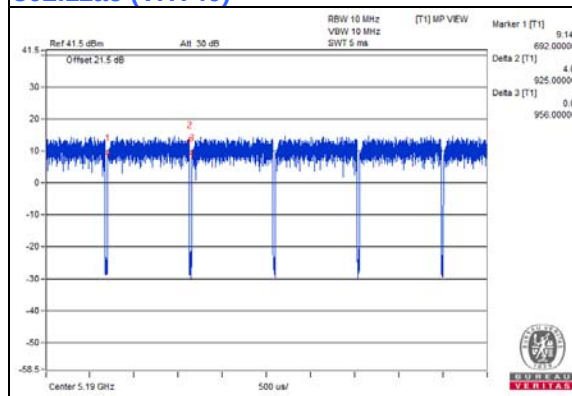
802.11a



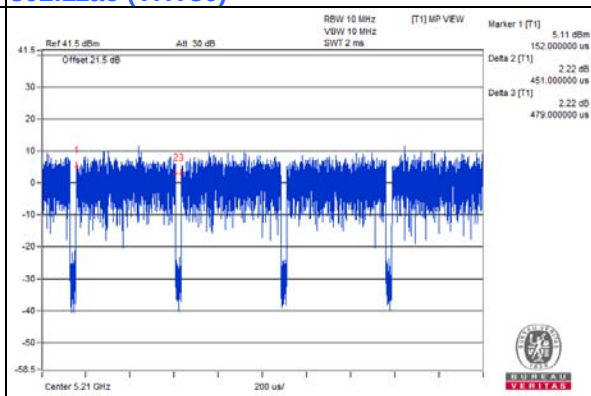
802.11ac (VHT20)



802.11ac (VHT40)



802.11ac (VHT80)



此裝置各頻道的中心頻率如下：

2.4 GHz 頻段：

802.11b, 802.11g, 802.11n (HT20):

頻道	對應頻率 (MHz)	頻道	對應頻率 (MHz)
01	2412	07	2442
02	2417	08	2447
03	2422	09	2452
04	2427	10	2457
05	2432	11	2462
06	2437		

802.11n (HT40):

頻道	對應頻率 (MHz)	頻道	對應頻率 (MHz)
03	2422	07	2442
04	2427	08	2447
05	2432	09	2452
06	2437		

5GHz 頻段:

802.11a, 802.11n (HT20), 802.11ac (VHT20):

頻道	對應頻率 (MHz)	頻道	對應頻率 (MHz)
36	5180	116	5580
40	5200	120	5600
44	5220	124	5620
48	5240	128	5640
52	5260	132	5660
56	5280	136	5680
60	5300	140	5700
64	5320	149	5745
100	5500	153	5765
104	5520	157	5785
108	5540	161	5805
112	5560	165	5825

802.11n (HT40), 802.11ac (VHT40):

頻道	對應頻率 (MHz)	頻道	對應頻率 (MHz)
38	5190	118	5590
46	5230	126	5630
54	5270	134	5670
62	5310	151	5755
102	5510	159	5795
110	5550		

802.11ac (VHT80):

頻道	對應頻率 (MHz)	頻道	對應頻率 (MHz)
42	5210	122	5610
58	5290	155	5775
106	5530		

詳細之規格請參考使用說明書，產品的照片請參照 BV 編號: 200605E17-2。

2.2 輔助測試之週邊設備描述

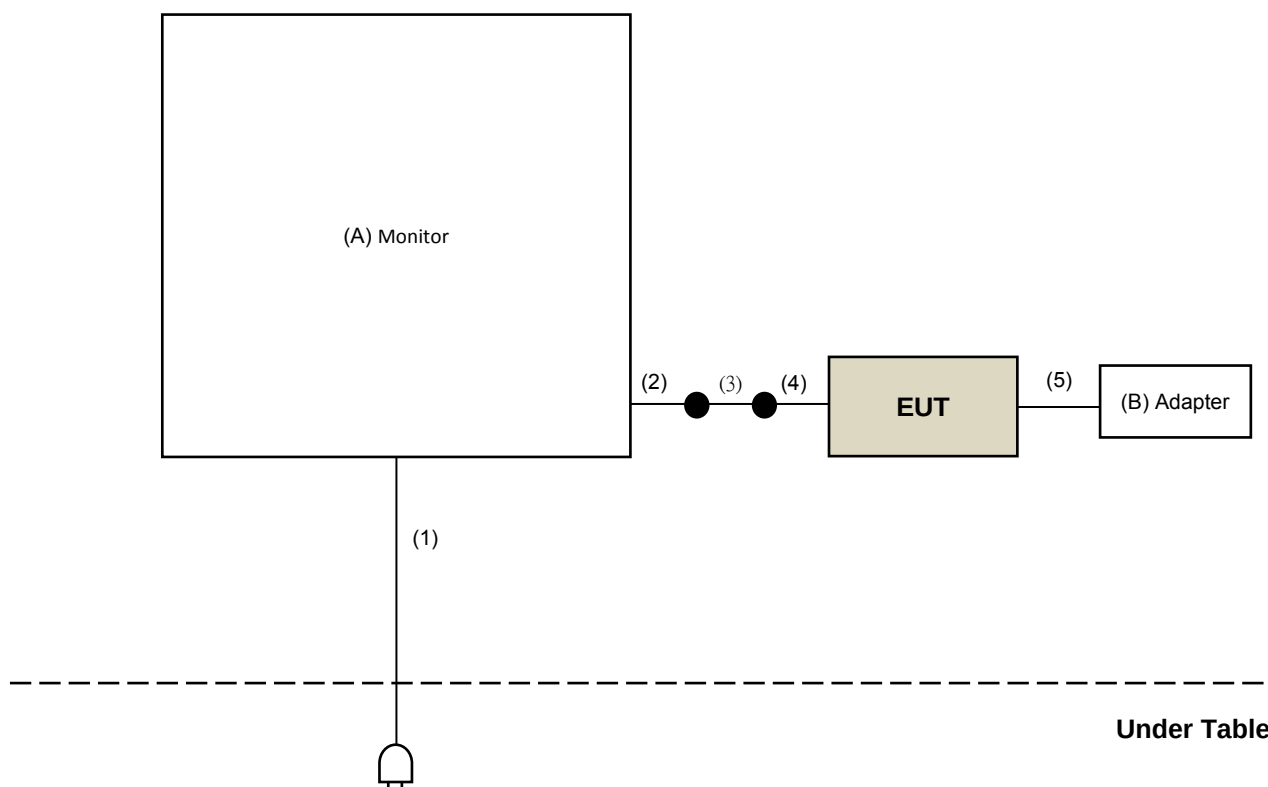
待測設備於受測時均接上其所屬的配件或一般用途之相關設備；下列輔助設備或配件測試中所使用的配備，以形成一個代表待測物實際運作的受測系統。

No.	Product	Brand	Model No.	Serial No.	FCC ID	Remark
A	Monitor	DELL	P2415Q	CN-0J1P7F-QDC00-85L-13GB-A09	FCC DoC	Provided by Lab
B	USB Adapter	ASUS	EXA1205UA	NA	NA	Provided by Lab

No.	Cable	Qty.	Length (m)	Shielded (Yes/ No)	Cores (Number)	Remark
1	AC Cable	1	1.8	No	0	Provided by Lab (Manufacturer: I-SHENG / Model: N/A)
2	HDMI Extender	1	0.17	Yes	0	Provided by Lab (Manufacturer: i-wiz / Model: N/A)
3	HDMI Extender	1	0.17	Yes	0	Provided by Lab (Manufacturer: i-wiz / Model: N/A)
4	HDMI Extender	1	0.17	Yes	0	Provided by Lab (Manufacturer: i-wiz / Model: N/A)
5	Micro USB to USB Cable	1	0.7	Yes	0	Supplied by client (Brand: UGREEN / Model: 10396)

註：本案經申請者切結器材不提供隨貨配件，測試時依申請者(或實驗室)提供的非隨貨配件併同檢驗。

2.3 測試架構圖



3 適用規範

3.1 規範要求和參考

(1) 傳導之規定

依據國家通訊傳播委員會低功率射頻器材技術規範之 3.3 節，電源傳導干擾之限制要求如下：

頻率(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。

(2) 帶外發射之規定

(I) 操作於 2.4000~2.4835 GHz 頻段：

依據國家通訊傳播委員會低功率射頻器材技術規範 4.10.1.5 節之要求，操作頻帶範圍外之任意 100 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 kHz 內的射頻功率，其衰減值限制如下：(1) 輸出功率以附件二之峰值輸出功率方式測量者，至少須衰減 20 dB，可使用射頻傳導或輻射方式測量。(2) 輸出功率以 4.10.1.2(1)(C)之最大傳導輸出功率測量方式者，至少須衰減 30 dB。

(II) 操作於 5.15 GHz~5.35 GHz 及 5.470 GHz ~5.725 GHz 頻段：

依據國家通訊傳播委員會低功率射頻器材技術規範 5.7.4.1 節之要求，帶外發射之有效等向輻射功率(EIRP) ≤ -27 dBm/MHz。

(III) 操作於 5.725 GHz~5.850 GHz 頻段：

依據國家通訊傳播委員會低功率射頻器材技術規範 5.7.4.2 節之要求，所有頻帶邊緣向外 5 MHz 內頻率之發射，有效等向輻射功率(EIRP) ≤ 27 dBm/MHz ~ 15.6 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣向外 5 MHz ~ 25 MHz，有效等向輻射功率 35(EIRP) ≤ 15.6 dBm/MHz ~ 10 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣外 25 MHz ~ 75 MHz，有效等向輻射功率(EIRP) ≤ 10 dBm/MHz ~ -27 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣外 ≥ 75 MHz 的頻率之發射，有效等向輻射功率(EIRP) ≤ -27 dBm/MHz；有關遮罩限制值詳圖 1。

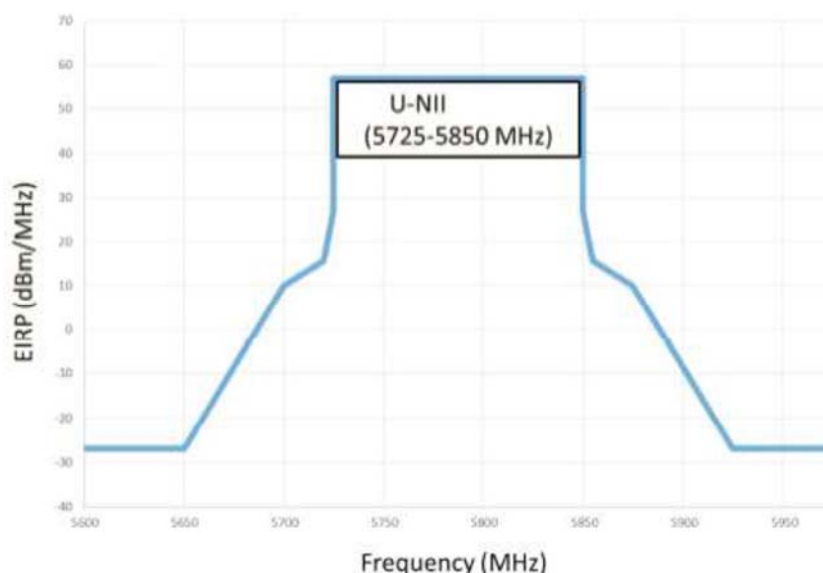


圖 1

在 1 GHz 以下不必要之發射，應符合 3.6 之規定。此外，落於 3.5 禁用頻段之輻射發射，應符合 3.6 之規定。

頻率(MHz)	電場強度(微伏特/公尺, uV/m)	測距(公尺)
$0.009 \leq f \leq 0.490$	$2,400/f(\text{kHz})$	300
$0.490 < f \leq 1.705$	$24,000/f(\text{kHz})$	30
$1.705 < f < 30$	30	30
$30 \leq f \leq 88$	100	3
$88 < f \leq 216$	150	3
$216 < f \leq 960$	200	3
$960 < f$	500	3

(3) 天線之規定

天線規格不受第 3.2 節規定之限制。

(4) 天線增益之要求

低功率發射機，依據國家通訊傳播委員會低功率射頻器材技術規範 4.10.1.3 節及 5.7.3 節之規定如下：

(I) 操作於 2400 MHz~2483.5 MHz 頻段：

- (A) 進行固定式點對點操作時，其發射天線之方向性增益超過 6 dBi，每超過 3 dBi，最大傳導輸出功率限制值應降低 1 dB。
- (B) 天線以多向波束發射方式(含同時發射或循序發射)將訊號導向多個接收機或接收機群組時，應符合下列規定：
 - (a) 非同時發射多向波束者，所有載波或頻道傳輸至所有天線陣列或陣列群之總和傳導輸出功率應符合 4.10.1.2 之功率限制值。如天線/天線陣列群之方向性增益超過 6 dBi，每超過 3 dBi，總和傳導輸出功率限制值應降低 1 dB。方向性增益值應計算如下：
 - (i) 方向性增益值 = $10\log(\text{天線陣列之單元數目}) + \text{各單元中最高之方向性增益值}$ 。
 - (ii) 天線陣列間之遮蔽效應或波束干涉損失能充分佐證時，方向性增益得低於(i)計算數值。
 - (b) 同時發射多向波束於相同或不同頻道者，其每一波束功率應符合(a)之功率限制值。如發射波束有重疊現象，功率應降低，以確保總和傳導輸出功率符合(a)之限制值。同時發射的所有波束總和傳導輸出功率不大於(a) 總和傳導輸出功率限制值加 8 dB。方向性增益值計算同(a)。
 - (c) 發射機之天線具備單向波束功能者，應符合(1)(A)及(3)後段之規定。

除(A)及(B)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。

(II) 操作於 5.15 GHz~5.25 GHz 頻段：

- (A) 供戶外操作使用：使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。在水平面仰角超過 30 度時，其最大 EIRP 應小於或等於 21 dBm。
- (B) 供室內操作使用：使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。
- (C) 供固定式點對點操作使用：使用超過 23 dBi 方向增益之指向性天線時，應依超過 23 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。固定式點對點操作，不包括點對多點系統、全方向性應用及多台共站發射機傳送相同資訊。
- (D) 供用戶端裝置(Client Device)操作使用：使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

(III) 操作於 5.25 GHz~5.35 GHz 與 5.470 GHz~5.725 GHz 頻段：

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

(IV) 操作於 5.725 GHz~5.850 GHz 頻段：

- (A) 供固定式點對點操作時，使用方向增益超過 6 dBi 之發射天線，可不需對應減少發射器之傳導輸出功率限制值。
- (B) 除(A)外，使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

(5) 6dB 頻寬之要求

(I) 操作於 2400 MHz~2483.5 MHz 頻段：

對使用數位調變技術(digital modulation techniques)系統之低功率發射機，依據國家通訊傳播委員會低功率射頻器材技術規範 4.10.1.6 節之規定，6dB 頻寬至少應有 500kHz。

(II) 操作於 5.725 GHz~5.850 GHz 頻段：

依據國家通訊傳播委員會低功率射頻器材技術規範 5.7.5 節之規定，其 6dB 頻寬至少應有 500kHz。

(6) 傳導輸出功率之要求

(I) 操作於 2.4000~2.4835 GHz band:

依據國家通訊傳播委員會低功率射頻器材技術規範 4.10.1.2 節之規定：

數位調變技術系統：1 W(含)以下。

(II) 操作於 5.15 GHz~5.25 GHz 頻段：

依據國家通訊傳播委員會低功率射頻器材技術規範 5.7.3.1 節之要求：

(A) 供戶外操作使用/供室內操作使用/供固定式點對點操作使用：最大傳導輸出功率應小於或等於1 W。

(B) 供用戶端裝置(Client Device)操作使用：最大傳導輸出功率應小於或等於250 mW。

(III) 操作於 5.25 GHz~5.35 GHz 及 5.470 GHz ~5.725 GHz 頻段：

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.3.2節之規定，最大傳導輸出功率應小於或等於250 mW或11dBm+10log B (B是26 dB發射頻寬，單位MHz)之較小者。

(IV) 操作於 5.725 GHz~5.850 GHz 頻段：

依據國家通訊傳播委員會低功率射頻器材技術規範 5.7.3.3 節之規定，最大傳導輸出功率應小於或等於 1 W。

(7) 功率頻譜密度之要求

(I) 操作於 2.4000~2.4835 GHz band:

依據國家通訊傳播委員會低功率射頻器材技術規範 4.10.1.6 節之規定，在使用頻率範圍之任一 3 kHz 頻寬內，由發射機傳導至天線之功率頻譜密度在任意傳輸期間內，皆小於或等於 8 毫分貝(dBm)，且應依 4.10.1.3 之方式降低功率頻譜密度限制值。

(II) 操作於 5.15 GHz~5.25 GHz 頻段：

依據國家通訊傳播委員會低功率射頻器材技術規範 5.7.3.1 節之要求：

(A) 供戶外操作使用/供室內操作使用/供固定式點對點操作使用：在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於17 dBm。

(B) 供用戶端裝置(Client Device)操作使用：在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於11 dBm。

(III) 操作於 5.25 GHz~5.35 GHz 及 5.470 GHz ~5.725 GHz 頻段：

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.3.2節之規定，最大功率頻譜密度在任何1 MHz 頻帶中應小於或等於11 dBm。

(IV) 操作於5.725 GHz~5.850 GHz頻段：

依據國家通訊傳播委員會低功率射頻器材技術規範 5.7.3.3 節之規定，在任何 500 kHz 頻帶中最大功率頻譜密度應小於或等於 30 dBm。

(8) 發射功率控制(TPC)及動態頻率選擇(DFS)之要求

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.7.1及5.7.7.2節之規定。

發射功率控制(TPC)：操作於5.25 GHz~5.35 GHz 與5.470 GHz~5.725 GHz 頻段的設備，應具備發射功率控制功能。設備必須至少具有6 dB低於平均EIRP 30 dBm的能力。EIRP 低於500 mW 之系統不須具備TPC 功能。

動態頻率選擇(DFS)：操作於5.25 GHz~5.35 GHz與5.470 GHz~5.725 GHz頻段之設備應具備動態頻率選擇雷達偵測功能並啟動之，以完整偵測使用頻帶內之雷達訊號，避免與雷達系統同頻道操作。相關規定如下：

(1) 最低動態頻率選擇的偵測門檻

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

(2) 操作模式：動態頻率選擇之規定適用於以下之操作模式：

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

(3) 頻道可用性檢查時間：設備必須檢查其可在某一頻道上起始傳送之前是否有雷達系統已經操作在該頻道上，以及何時其必須移動到另一新的頻道，在60 秒內若沒有偵測到功率位準大過上述之干擾門檻值的雷達訊號時，設備才可開始使用該頻道。

(4) 頻道移動時間：在偵測到雷達的存在後，所有在該操作頻道上的所有傳輸須在10秒內停止，在偵測到雷達訊號後，該期間內的傳輸應維持最多200 毫秒的正常通訊。另外，間歇性的管理與控制訊號可在剩餘的時間中傳送，以便撤離該操作頻道。

(5) 不可佔用期間：某一頻道已被頻道可用性檢查或“服務中”監視顯示含有雷達系統，至少須有30 分鐘的不可佔用期間。不可佔用期間起始於偵測到雷達系統的當時。

(9) 無線資訊傳輸設備必須擁有安全功能之要求：

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.7.3節之規定，無線資訊傳輸設備必須擁有安全功能，以保護未經授權之一方更改軟體。製造商應提出符合本節規定之相關證明文件或符合性聲明。

(10) 依據國家通訊傳播委員會低功率射頻器材技術規範 5.7.7.4 節之規定，製造商必須在操作於 U-NII 頻段上之數位調變系統中提供安全功能，使第三方團體無法重寫程式，使其操作於非經認證之設定。該軟體必須避免發射機操作於非經認證之頻率、輸出功率、調變形式或其他射頻參數。製造商可使用私有網路，只有經授權的用戶能下載軟體、進行軟體式電子簽章或硬體式的韌體更新，新的軟體可以被合法的載入到設備中，同時又能符合上述事項，並於應用程式中描述設備授權的方法。

(11) 依據國家通訊傳播委員會低功率射頻器材技術規範 5.7.7.5 節之規定，製造商必須確保 DFS 功能無法被無線資訊傳輸設備之操作者取消。

(12) 電波暴露量之評估

依據國家通訊傳播委員會低功率射頻器材技術規範 6.20.2 節之規定，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：

(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。

(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 - 3.0	614	1.63	*100	30
3 - 30	1842/f	4.89/f	*180/f ²	30
30 - 300	27.5	0.073	1.0	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。

參考國際標準指南

KDB 558074
KDB 662911
KDB 789033

3.2 限制使用之頻帶

除本規範另有規定外，任何低功率射頻器材之主波皆不得使用下表所列各頻段之頻率；低功率射頻器材落於下表所列頻段之混附發射，其電場強度必須符合 3.6 之限制規定。

頻率(兆赫)	頻率(兆赫)	頻率(兆赫)
0.090~0.110	240.00~285.00	3332.0~3339.0
0.490~0.510	322.00~335.40	3345.8~3358.0
2.172~2.198	399.90~410.00	3500.0~4400.0
3.013~3.033	485.00~510.00	4500.0~5250.0
4.115~4.198	608.00~614.00	5350.0~5460.0
5.670~5.690	703.00~748.00	7250.0~7750.0
6.200~6.300	758.00~803.00	8025.0~8500.0
8.230~8.400	825.00~915.00	9000.0~9200.0
12.265~12.600	930.00~1240.0	9300.0~9500.0
13.340~13.430	1300.0~1427.0	10600~12700
14.965~15.020	1435.0~1626.5	13250~13400
16.700~16.755	1660.0~1785.0	14470~14500
19.965~20.020	1805.0~1880.0	15350~16200
25.500~25.700	1885.0~1900.0	17700~21400
37.475~38.275	1905.0~1985.0	22010~23120
73.500~75.400	2010.0~2025.0	23600~24000
108.00~138.00	2110.0~2170.0	31200~31800
149.90~150.05	2200.0~2300.0	36430~36500
156.70~156.90	2310.0~2390.0	38600 以上
162.01~167.17	2483.5~2900.0	
167.72~173.20	3260.0~3267.0	

2.4 GHz 頻段測試紀錄結果

4 帶外發射之量測

4.1 適用標準

請見本報告 3.1 節第(2)項(I)的規定。

4.2 量測方法

在電波暗室，將待測物置於 0.8 米高的非金屬桌面，使其操作在工作狀態。接收天線置於 3 米距離。桌面要 360 度旋轉，另外接收天線從離地 1 米至 4 米升降變化，以找出最大的輻射電場強度，接收天線分別置於水平、垂直極化各執行測試一次。

備註：對於 1GHz 以上場強輻射的測試，待測物則置於 1.5 米高的非金屬桌面

4.3 量測儀器

For Radiated Emission (Below 1GHz):

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Keysight	N9038A	MY54450088	July 06, 2020	July 05, 2021
Pre-Amplifier EMCI	EMC001340	980142	May 25, 2020	May 24, 2021
Loop Antenna Electro-Metrics	EM-6879	264	Feb. 18, 2020	Feb. 17, 2021
RF Cable	NA	LOOPCAB-001	Jan. 08, 2020	Jan. 07, 2021
RF Cable	NA	LOOPCAB-002	Jan. 08, 2020	Jan. 07, 2021
Pre-Amplifier Mini-Circuits	ZFL-1000VH2B	AMP-ZFL-05	Apr. 28, 2020	Apr. 27, 2021
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-361	Nov. 11, 2019	Nov. 10, 2020
RF Cable	8D	966-3-1	Mar. 17, 2020	Mar. 16, 2021
RF Cable	8D	966-3-2	Mar. 17, 2020	Mar. 16, 2021
RF Cable	8D	966-3-3	Mar. 17, 2020	Mar. 16, 2021
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-3m-3-01	Sep. 26, 2019	Sep. 25, 2020
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	NA	NA

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in 966 Chamber No. 3.
3. The following table is for the measurement uncertainty, which is calculated as per the document CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Measurement	Frequency	Uncertainty
Radiated emissions	9kHz ~ 30MHz	3.1 dB
	30MHz ~ 1GHz	5.4 dB

For Radiated Emission (Above 1GHz):

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Keysight	N9038A	MY54450088	July 06, 2020	July 05, 2021
Horn_Antenna SCHWARZBECK	BBHA9120-D	9120D-406	Nov. 24, 2019	Nov. 23, 2020
Pre-Amplifier EMCI	EMC12630SE	980384	Jan. 15, 2020	Jan. 14, 2021
RF Cable	EMC104-SM-SM-1500	180504	Apr. 29, 2020	Apr. 28, 2021
RF Cable	EMC104-SM-SM-2000	180601	June 09, 2020	June 08, 2021
RF Cable	EMC104-SM-SM-6000	180602	June 09, 2020	June 08, 2021
Spectrum Analyzer Keysight	N9030A	MY54490679	July 13, 2020	July 12, 2021
Pre-Amplifier EMCI	EMC184045SE	980387	Jan. 15, 2020	Jan. 14, 2021
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170519	Nov. 24, 2019	Nov. 23, 2020
RF Cable	EMC102-KM-KM-1200	160924	Jan. 15, 2020	Jan. 14, 2021
RF Cable	EMC-KM-KM-4000	200214	Mar. 11, 2020	Mar. 10, 2021
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA

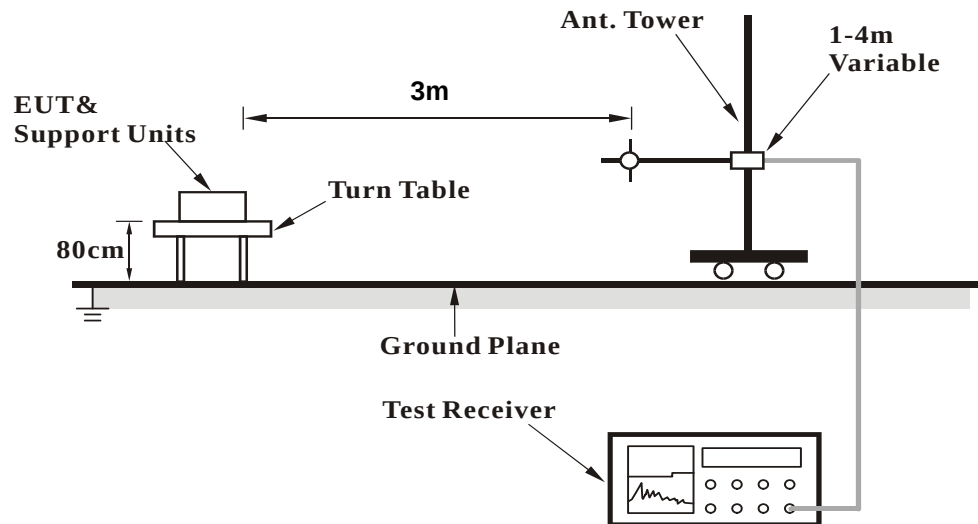
Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in 966 Chamber No. 3.
3. The following table is for the measurement uncertainty, which is calculated as per the document CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

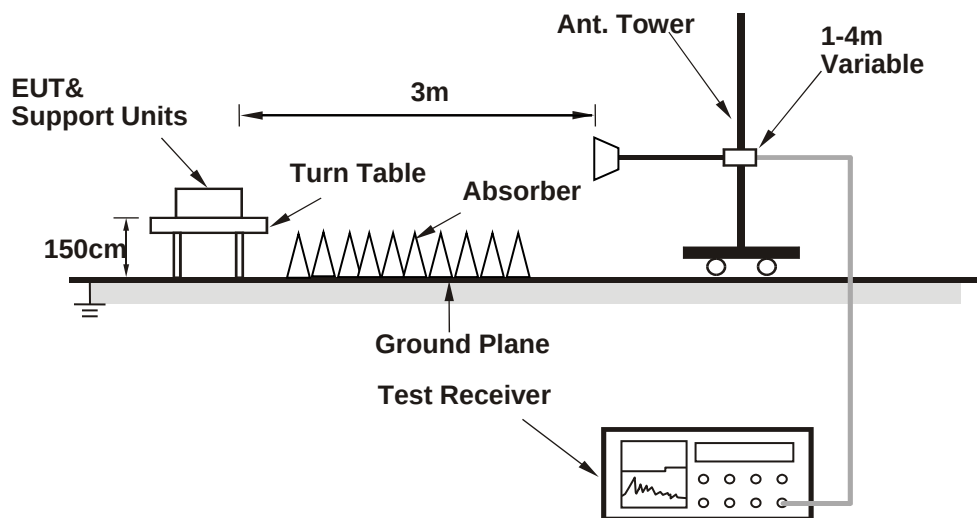
Measurement	Frequency	Uncertainty
Radiated emissions	1GHz ~ 18GHz	5.0 dB
	18GHz ~ 40GHz	5.3 dB

4.4 測試配置

<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



4.5 場強度之計算

場強之計算公式如下：

結果值 Emission level (dBuV/m) = 機器讀值 Raw Value (dBuV) + 校正因子 Correction Factor (dB/m)

餘裕度 Margin(dB) = 結果值 Emission level (dBuV/m) - 限制值 Limit value (dBuV/m)

量測結果請見下頁。

4.6 量測結果

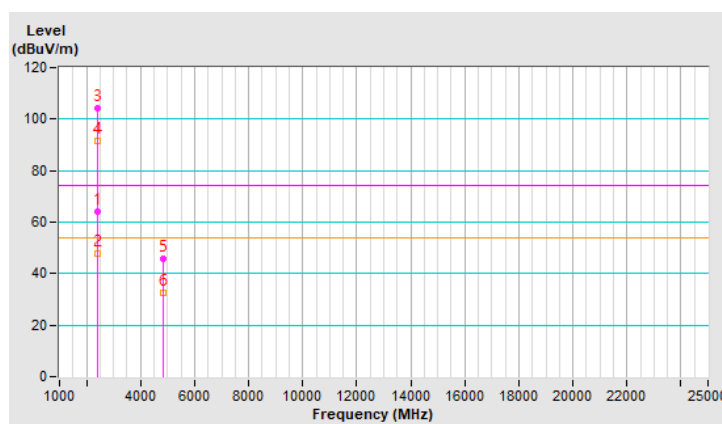
4.6.1 發射諧波

操作模式：	發射 802.11b	調變技術：	DSSS
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	64.2 PK	74.0	-9.8	1.37 H	222	65.8	-1.6
2	2390.00	47.8 AV	54.0	-6.2	1.37 H	222	49.4	-1.6
3	*2412.00	104.2 PK			1.37 H	222	105.8	-1.6
4	*2412.00	91.7 AV			1.37 H	222	93.3	-1.6
5	4824.00	46.0 PK	74.0	-28.0	1.21 H	186	42.8	3.2
6	4824.00	32.7 AV	54.0	-21.3	1.21 H	186	29.5	3.2
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

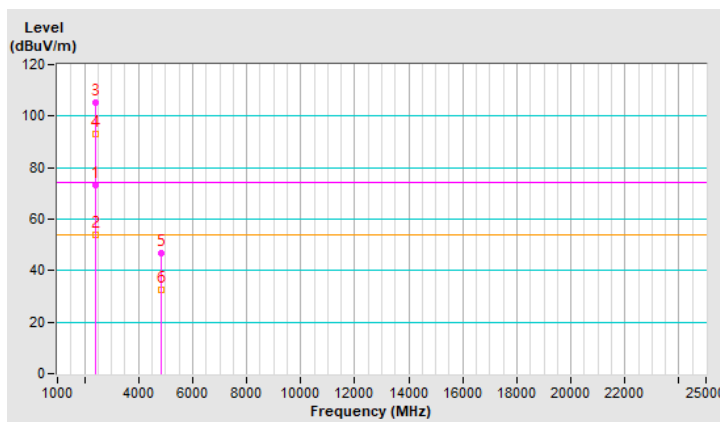


操作模式：	發射 802.11b	調變技術：	DSSS
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	73.1 PK	74.0	-0.9	1.30 V	171	74.7	-1.6
2	2390.00	53.9 AV	54.0	-0.1	1.30 V	171	55.5	-1.6
3	*2412.00	105.3 PK			1.30 V	171	106.9	-1.6
4	*2412.00	92.9 AV			1.30 V	171	94.5	-1.6
5	4824.00	46.7 PK	74.0	-27.3	3.81 V	61	43.5	3.2
6	4824.00	32.7 AV	54.0	-21.3	3.81 V	61	29.5	3.2
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

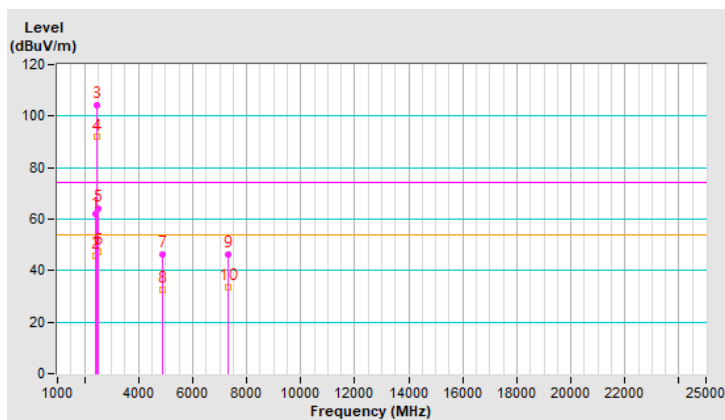


操作模式：	發射 802.11b	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0℃	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	61.8 PK	74.0	-12.2	1.40 H	208	63.4	-1.6
2	2390.00	45.8 AV	54.0	-8.2	1.40 H	208	47.4	-1.6
3	*2437.00	104.1 PK			1.40 H	208	105.7	-1.6
4	*2437.00	91.8 AV			1.40 H	208	93.4	-1.6
5	2483.50	64.1 PK	74.0	-9.9	1.40 H	208	65.7	-1.6
6	2483.50	47.5 AV	54.0	-6.5	1.40 H	208	49.1	-1.6
7	4874.00	46.3 PK	74.0	-27.7	1.24 H	189	43.1	3.2
8	4874.00	32.7 AV	54.0	-21.3	1.24 H	189	29.5	3.2
9	7311.00	46.2 PK	74.0	-27.8	1.45 H	56	36.8	9.4
10	7311.00	33.5 AV	54.0	-20.5	1.45 H	56	24.1	9.4
11	#9748.00	-	-	-	-	-	-	-
12	12185.00	-	-	-	-	-	-	-
13	#14622.00	-	-	-	-	-	-	-
14	#17059.00	-	-	-	-	-	-	-
15	19496.00	-	-	-	-	-	-	-
16	#21933.00	-	-	-	-	-	-	-
17	#24370.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

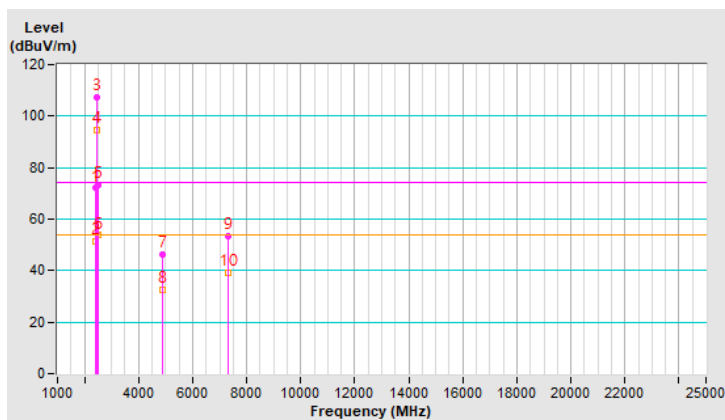


操作模式：	發射 802.11b	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0℃	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	72.0 PK	74.0	-2.0	1.46 V	67	73.6	-1.6
2	2390.00	51.4 AV	54.0	-2.6	1.46 V	67	53.0	-1.6
3	*2437.00	107.3 PK			1.46 V	67	108.9	-1.6
4	*2437.00	94.8 AV			1.46 V	67	96.4	-1.6
5	2483.50	73.4 PK	74.0	-0.6	1.46 V	67	75.0	-1.6
6	2483.50	53.7 AV	54.0	-0.3	1.46 V	67	55.3	-1.6
7	4874.00	46.3 PK	74.0	-27.7	3.76 V	56	43.1	3.2
8	4874.00	32.5 AV	54.0	-21.5	3.76 V	56	29.3	3.2
9	7311.00	53.4 PK	74.0	-20.6	1.14 V	352	44.0	9.4
10	7311.00	39.3 AV	54.0	-14.7	1.14 V	352	29.9	9.4
11	#9748.00	-	-	-	-	-	-	-
12	12185.00	-	-	-	-	-	-	-
13	#14622.00	-	-	-	-	-	-	-
14	#17059.00	-	-	-	-	-	-	-
15	19496.00	-	-	-	-	-	-	-
16	#21933.00	-	-	-	-	-	-	-
17	#24370.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

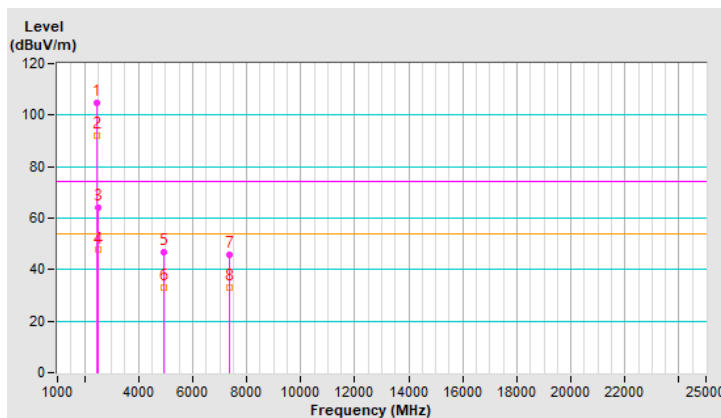


操作模式：	發射 802.11b	調變技術：	DSSS
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	104.6 PK			1.34 H	212	106.2	-1.6
2	*2462.00	92.2 AV			1.34 H	212	93.8	-1.6
3	2483.50	64.3 PK	74.0	-9.7	1.34 H	212	65.9	-1.6
4	2483.50	47.6 AV	54.0	-6.4	1.34 H	212	49.2	-1.6
5	4924.00	46.9 PK	74.0	-27.1	1.29 H	204	43.8	3.1
6	4924.00	33.0 AV	54.0	-21.0	1.29 H	204	29.9	3.1
7	7386.00	46.0 PK	74.0	-28.0	1.49 H	68	36.3	9.7
8	7386.00	33.1 AV	54.0	-20.9	1.49 H	68	23.4	9.7
9	#9848.00	-	-	-	-	-	-	-
10	12310.00	-	-	-	-	-	-	-
11	#14772.00	-	-	-	-	-	-	-
12	#17234.00	-	-	-	-	-	-	-
13	19696.00	-	-	-	-	-	-	-
14	22158.00	-	-	-	-	-	-	-
15	#24620.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

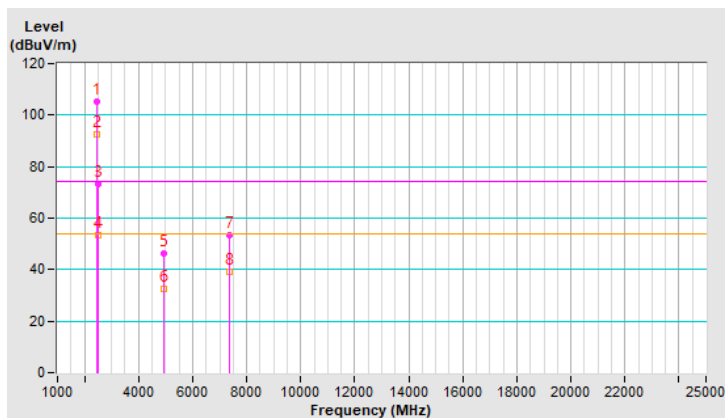


操作模式：	發射 802.11b	調變技術：	DSSS
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	105.1 PK			1.09 V	161	106.7	-1.6
2	*2462.00	92.7 AV			1.09 V	161	94.3	-1.6
3	2483.50	73.2 PK	74.0	-0.8	1.09 V	161	74.8	-1.6
4	2483.50	53.6 AV	54.0	-0.4	1.09 V	161	55.2	-1.6
5	4924.00	46.4 PK	74.0	-27.6	3.76 V	72	43.3	3.1
6	4924.00	32.5 AV	54.0	-21.5	3.76 V	72	29.4	3.1
7	7386.00	53.3 PK	74.0	-20.7	1.08 V	347	43.6	9.7
8	7386.00	39.4 AV	54.0	-14.6	1.08 V	347	29.7	9.7
9	#9848.00	-	-	-	-	-	-	-
10	12310.00	-	-	-	-	-	-	-
11	#14772.00	-	-	-	-	-	-	-
12	#17234.00	-	-	-	-	-	-	-
13	19696.00	-	-	-	-	-	-	-
14	22158.00	-	-	-	-	-	-	-
15	#24620.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

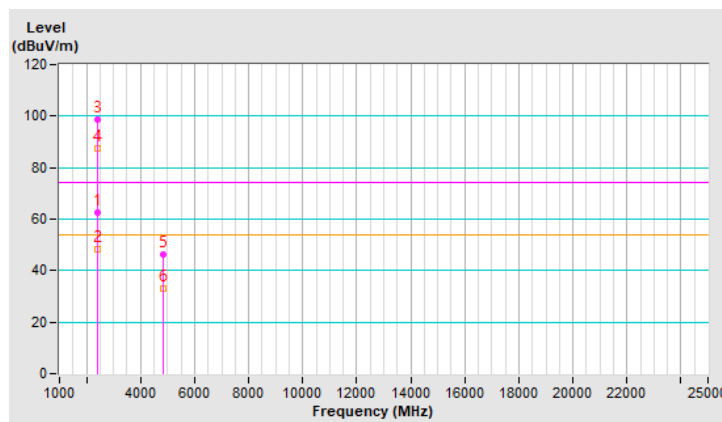


操作模式：	發射 802.11g	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	62.4 PK	74.0	-11.6	1.31 H	225	64.0	-1.6
2	2390.00	48.3 AV	54.0	-5.7	1.31 H	225	49.9	-1.6
3	*2412.00	98.7 PK			1.31 H	225	100.3	-1.6
4	*2412.00	87.6 AV			1.31 H	225	89.2	-1.6
5	4824.00	46.5 PK	74.0	-27.5	1.21 H	186	43.3	3.2
6	4824.00	33.2 AV	54.0	-20.8	1.21 H	186	30.0	3.2
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

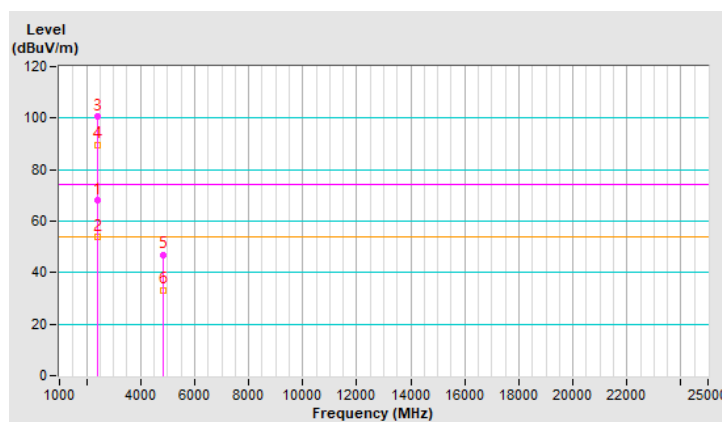


操作模式：	發射 802.11g	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0℃	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	67.9 PK	74.0	-6.1	1.27 V	172	69.5	-1.6
2	2390.00	53.7 AV	54.0	-0.3	1.27 V	172	55.3	-1.6
3	*2412.00	100.5 PK			1.27 V	172	102.1	-1.6
4	*2412.00	89.7 AV			1.27 V	172	91.3	-1.6
5	4824.00	46.9 PK	74.0	-27.1	3.80 V	52	43.7	3.2
6	4824.00	32.9 AV	54.0	-21.1	3.80 V	52	29.7	3.2
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

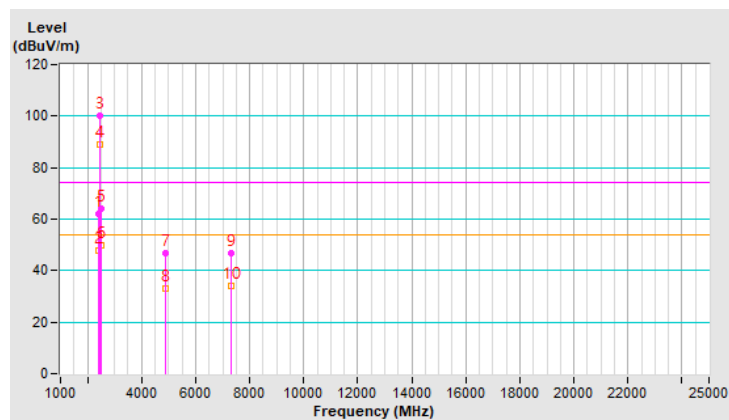


操作模式：	發射 802.11g	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0℃	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	62.2 PK	74.0	-11.8	1.32 H	213	63.8	-1.6
2	2390.00	47.9 AV	54.0	-6.1	1.32 H	213	49.5	-1.6
3	*2437.00	100.2 PK			1.32 H	213	101.8	-1.6
4	*2437.00	89.2 AV			1.32 H	213	90.8	-1.6
5	2483.50	64.3 PK	74.0	-9.7	1.32 H	213	65.9	-1.6
6	2483.50	49.7 AV	54.0	-4.3	1.32 H	213	51.3	-1.6
7	4874.00	46.8 PK	74.0	-27.2	1.21 H	197	43.6	3.2
8	4874.00	33.0 AV	54.0	-21.0	1.21 H	197	29.8	3.2
9	7311.00	47.0 PK	74.0	-27.0	1.41 H	65	37.6	9.4
10	7311.00	34.0 AV	54.0	-20.0	1.41 H	65	24.6	9.4
11	#9748.00	-	-	-	-	-	-	-
12	12185.00	-	-	-	-	-	-	-
13	#14622.00	-	-	-	-	-	-	-
14	#17059.00	-	-	-	-	-	-	-
15	19496.00	-	-	-	-	-	-	-
16	#21933.00	-	-	-	-	-	-	-
17	#24370.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

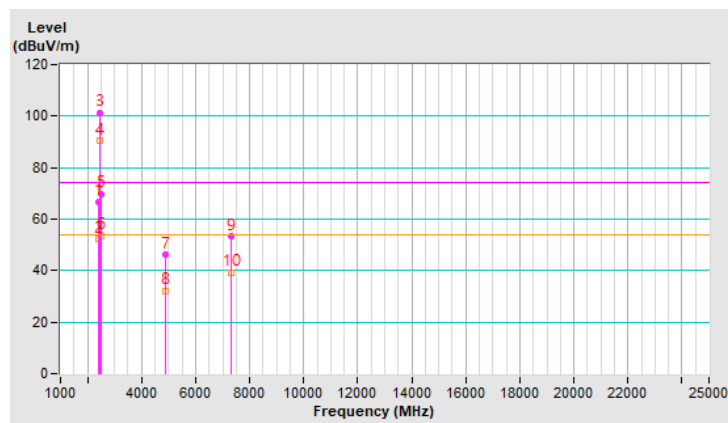


操作模式：	發射 802.11g	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0℃	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	66.7 PK	74.0	-7.3	1.31 V	178	68.3	-1.6
2	2390.00	52.2 AV	54.0	-1.8	1.31 V	178	53.8	-1.6
3	*2437.00	101.1 PK			1.31 V	178	102.7	-1.6
4	*2437.00	90.3 AV			1.31 V	178	91.9	-1.6
5	2483.50	69.8 PK	74.0	-4.2	1.31 V	178	71.4	-1.6
6	2483.50	53.6 AV	54.0	-0.4	1.31 V	178	55.2	-1.6
7	4874.00	46.1 PK	74.0	-27.9	3.73 V	54	42.9	3.2
8	4874.00	32.2 AV	54.0	-21.8	3.73 V	54	29.0	3.2
9	7311.00	53.2 PK	74.0	-20.8	1.15 V	360	43.8	9.4
10	7311.00	39.3 AV	54.0	-14.7	1.15 V	360	29.9	9.4
11	#9748.00	-	-	-	-	-	-	-
12	12185.00	-	-	-	-	-	-	-
13	#14622.00	-	-	-	-	-	-	-
14	#17059.00	-	-	-	-	-	-	-
15	19496.00	-	-	-	-	-	-	-
16	#21933.00	-	-	-	-	-	-	-
17	#24370.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

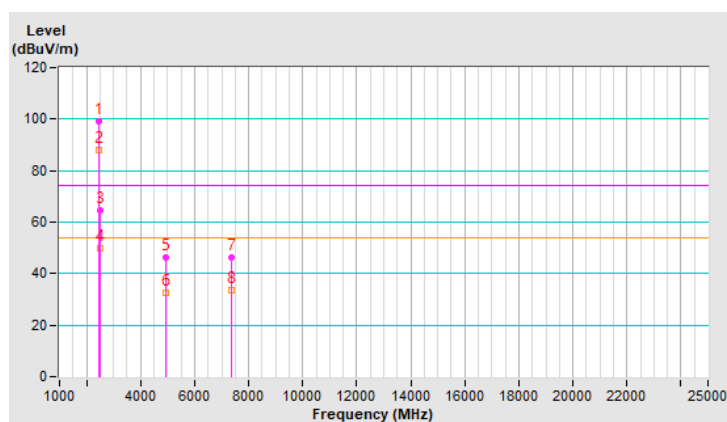


操作模式：	發射 802.11g	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	99.0 PK			1.29 H	204	100.6	-1.6
2	*2462.00	87.9 AV			1.29 H	204	89.5	-1.6
3	2483.50	64.7 PK	74.0	-9.3	1.29 H	204	66.3	-1.6
4	2483.50	49.9 AV	54.0	-4.1	1.29 H	204	51.5	-1.6
5	4924.00	46.2 PK	74.0	-27.8	1.26 H	184	43.1	3.1
6	4924.00	32.5 AV	54.0	-21.5	1.26 H	184	29.4	3.1
7	7386.00	46.2 PK	74.0	-27.8	1.50 H	61	36.5	9.7
8	7386.00	33.6 AV	54.0	-20.4	1.50 H	61	23.9	9.7
9	#9848.00	-	-	-	-	-	-	-
10	12310.00	-	-	-	-	-	-	-
11	#14772.00	-	-	-	-	-	-	-
12	#17234.00	-	-	-	-	-	-	-
13	19696.00	-	-	-	-	-	-	-
14	22158.00	-	-	-	-	-	-	-
15	#24620.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

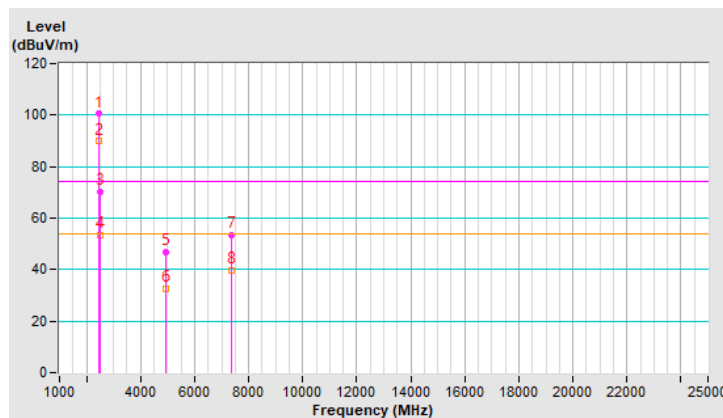


操作模式：	發射 802.11g	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	100.5 PK			1.16 V	336	102.1	-1.6
2	*2462.00	89.8 AV			1.16 V	336	91.4	-1.6
3	2483.50	70.3 PK	74.0	-3.7	1.16 V	336	71.9	-1.6
4	2483.50	53.6 AV	54.0	-0.4	1.16 V	336	55.2	-1.6
5	4924.00	46.7 PK	74.0	-27.3	3.74 V	51	43.6	3.1
6	4924.00	32.7 AV	54.0	-21.3	3.74 V	51	29.6	3.1
7	7386.00	53.6 PK	74.0	-20.4	1.18 V	343	43.9	9.7
8	7386.00	39.7 AV	54.0	-14.3	1.18 V	343	30.0	9.7
9	#9848.00	-	-	-	-	-	-	-
10	12310.00	-	-	-	-	-	-	-
11	#14772.00	-	-	-	-	-	-	-
12	#17234.00	-	-	-	-	-	-	-
13	19696.00	-	-	-	-	-	-	-
14	22158.00	-	-	-	-	-	-	-
15	#24620.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

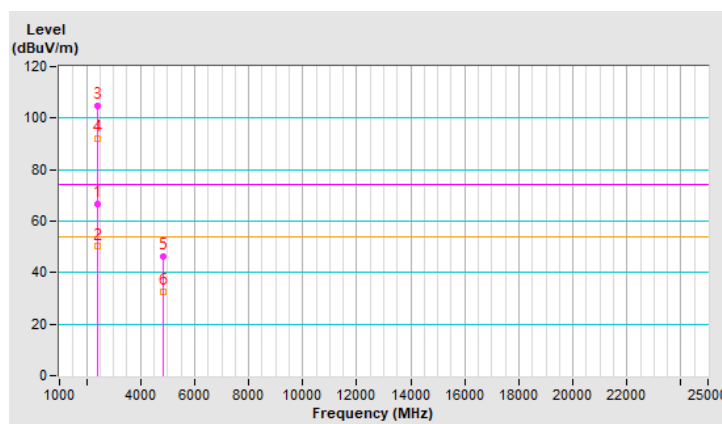


操作模式：	發射 802.11n (HT20)	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	66.7 PK	74.0	-7.3	1.44 H	218	68.3	-1.6
2	2390.00	50.1 AV	54.0	-3.9	1.44 H	218	51.7	-1.6
3	*2412.00	104.8 PK			1.44 H	218	106.4	-1.6
4	*2412.00	92.2 AV			1.44 H	218	93.8	-1.6
5	4824.00	46.2 PK	74.0	-27.8	1.07 H	173	43.0	3.2
6	4824.00	32.4 AV	54.0	-21.6	1.07 H	173	29.2	3.2
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

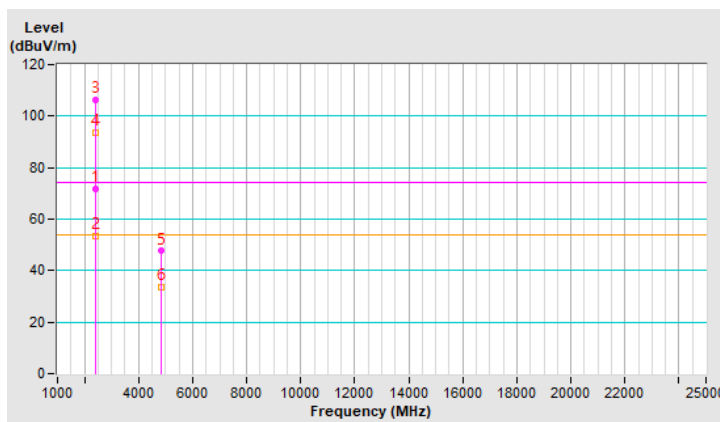


操作模式：	發射 802.11n (HT20)	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	71.6 PK	74.0	-2.4	3.87 V	130	73.2	-1.6
2	2390.00	53.6 AV	54.0	-0.4	3.87 V	130	55.2	-1.6
3	*2412.00	106.2 PK			3.87 V	130	107.8	-1.6
4	*2412.00	93.8 AV			3.87 V	130	95.4	-1.6
5	4824.00	47.6 PK	74.0	-26.4	3.62 V	18	44.4	3.2
6	4824.00	33.4 AV	54.0	-20.6	3.62 V	18	30.2	3.2
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

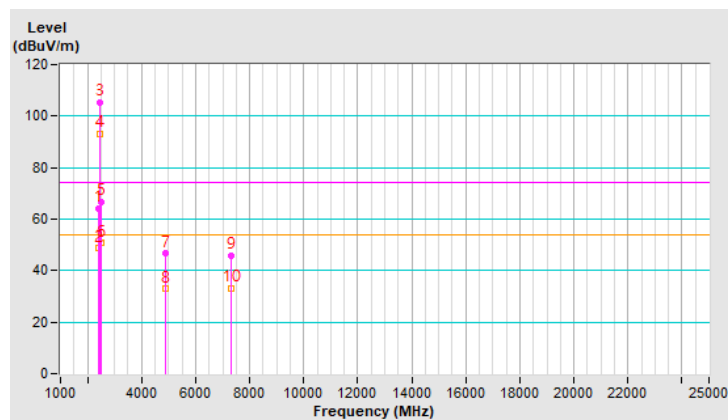


操作模式：	發射 802.11n (HT20)	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0℃	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	64.3 PK	74.0	-9.7	1.35 H	202	65.9	-1.6
2	2390.00	48.6 AV	54.0	-5.4	1.35 H	202	50.2	-1.6
3	*2437.00	105.2 PK			1.35 H	202	106.8	-1.6
4	*2437.00	93.0 AV			1.35 H	202	94.6	-1.6
5	2483.50	66.8 PK	74.0	-7.2	1.35 H	202	68.4	-1.6
6	2483.50	50.6 AV	54.0	-3.4	1.35 H	202	52.2	-1.6
7	4874.00	46.6 PK	74.0	-27.4	1.06 H	181	43.4	3.2
8	4874.00	32.8 AV	54.0	-21.2	1.06 H	181	29.6	3.2
9	7311.00	45.9 PK	74.0	-28.1	1.32 H	46	36.5	9.4
10	7311.00	33.3 AV	54.0	-20.7	1.32 H	46	23.9	9.4
11	#9748.00	-	-	-	-	-	-	-
12	12185.00	-	-	-	-	-	-	-
13	#14622.00	-	-	-	-	-	-	-
14	#17059.00	-	-	-	-	-	-	-
15	19496.00	-	-	-	-	-	-	-
16	#21933.00	-	-	-	-	-	-	-
17	#24370.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

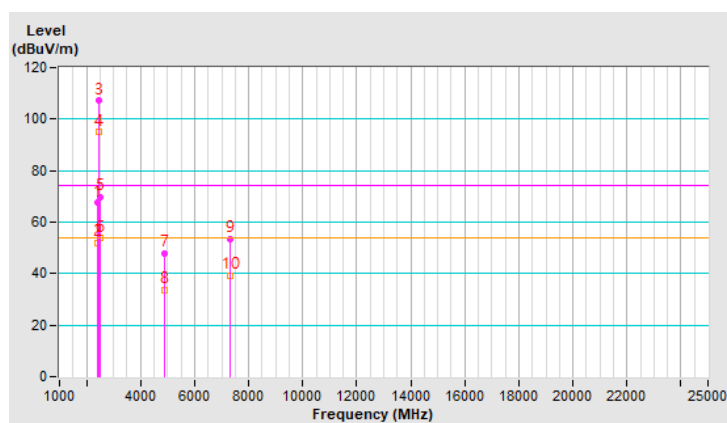


操作模式：	發射 802.11n (HT20)	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	67.4 PK	74.0	-6.6	1.27 V	164	69.0	-1.6
2	2390.00	51.8 AV	54.0	-2.2	1.27 V	164	53.4	-1.6
3	*2437.00	107.1 PK			1.27 V	164	108.7	-1.6
4	*2437.00	94.9 AV			1.27 V	164	96.5	-1.6
5	2483.50	69.9 PK	74.0	-4.1	1.27 V	164	71.5	-1.6
6	2483.50	53.7 AV	54.0	-0.3	1.27 V	164	55.3	-1.6
7	4874.00	47.8 PK	74.0	-26.2	3.59 V	13	44.6	3.2
8	4874.00	33.6 AV	54.0	-20.4	3.59 V	13	30.4	3.2
9	7311.00	53.3 PK	74.0	-20.7	1.00 V	358	43.9	9.4
10	7311.00	39.2 AV	54.0	-14.8	1.00 V	358	29.8	9.4
11	#9748.00	-	-	-	-	-	-	-
12	12185.00	-	-	-	-	-	-	-
13	#14622.00	-	-	-	-	-	-	-
14	#17059.00	-	-	-	-	-	-	-
15	19496.00	-	-	-	-	-	-	-
16	#21933.00	-	-	-	-	-	-	-
17	#24370.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

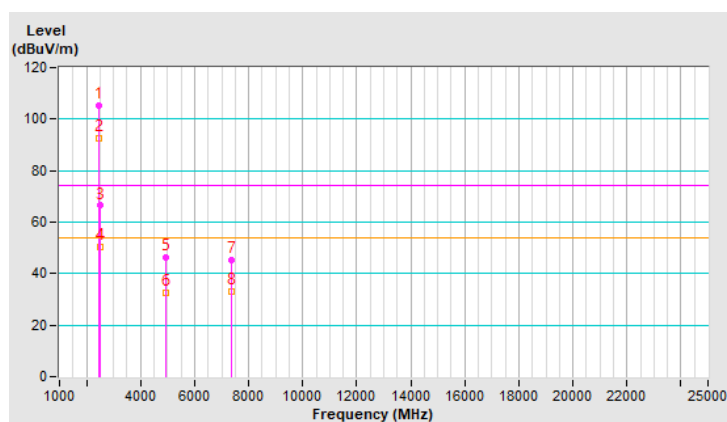


操作模式：	發射 802.11n (HT20)	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	105.2 PK			1.38 H	226	106.8	-1.6
2	*2462.00	92.6 AV			1.38 H	226	94.2	-1.6
3	2483.50	66.4 PK	74.0	-7.6	1.38 H	226	68.0	-1.6
4	2483.50	50.2 AV	54.0	-3.8	1.38 H	226	51.8	-1.6
5	4924.00	46.4 PK	74.0	-27.6	1.06 H	187	43.3	3.1
6	4924.00	32.5 AV	54.0	-21.5	1.06 H	187	29.4	3.1
7	7386.00	45.4 PK	74.0	-28.6	1.28 H	30	35.7	9.7
8	7386.00	33.0 AV	54.0	-21.0	1.28 H	30	23.3	9.7
9	#9848.00	-	-	-	-	-	-	-
10	12310.00	-	-	-	-	-	-	-
11	#14772.00	-	-	-	-	-	-	-
12	#17234.00	-	-	-	-	-	-	-
13	19696.00	-	-	-	-	-	-	-
14	22158.00	-	-	-	-	-	-	-
15	#24620.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

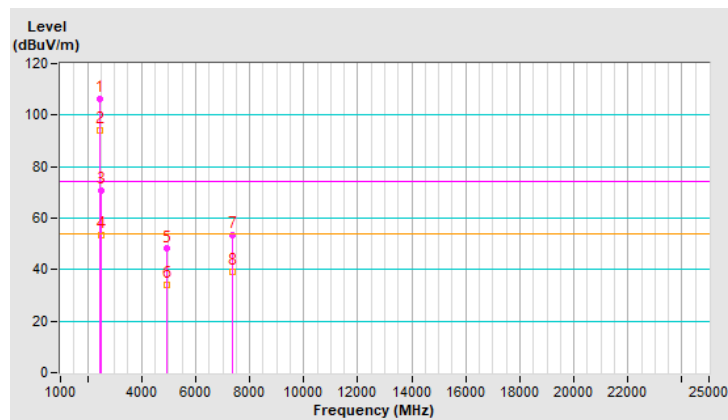


操作模式：	發射 802.11n (HT20)	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	106.4 PK			3.62 V	133	108.0	-1.6
2	*2462.00	93.9 AV			3.62 V	133	95.5	-1.6
3	2483.50	70.7 PK	74.0	-3.3	3.62 V	133	72.3	-1.6
4	2483.50	53.6 AV	54.0	-0.4	3.62 V	133	55.2	-1.6
5	4924.00	48.1 PK	74.0	-25.9	3.55 V	1	45.0	3.1
6	4924.00	33.9 AV	54.0	-20.1	3.55 V	1	30.8	3.1
7	7386.00	53.3 PK	74.0	-20.7	1.00 V	354	43.6	9.7
8	7386.00	39.4 AV	54.0	-14.6	1.00 V	354	29.7	9.7
9	#9848.00	-	-	-	-	-	-	-
10	12310.00	-	-	-	-	-	-	-
11	#14772.00	-	-	-	-	-	-	-
12	#17234.00	-	-	-	-	-	-	-
13	19696.00	-	-	-	-	-	-	-
14	22158.00	-	-	-	-	-	-	-
15	#24620.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

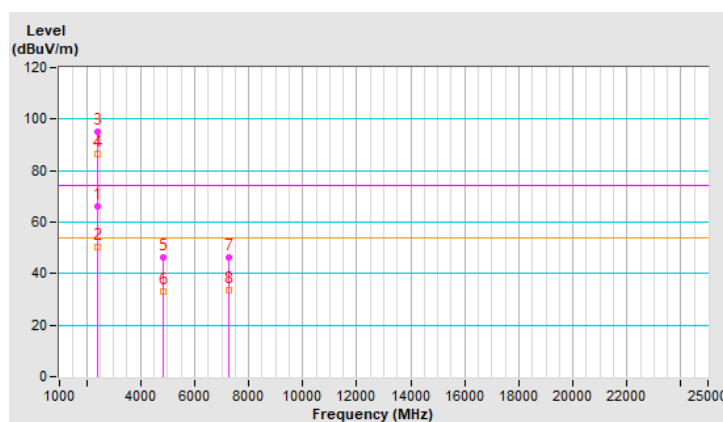


操作模式：	發射 802.11n (HT40)	調變技術：	OFDM
基本波頻率：	CH 3：2422 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	66.1 PK	74.0	-7.9	1.30 H	219	67.7	-1.6
2	2390.00	50.5 AV	54.0	-3.5	1.30 H	219	52.1	-1.6
3	*2422.00	95.0 PK			1.30 H	219	96.6	-1.6
4	*2422.00	86.3 AV			1.30 H	219	87.9	-1.6
5	4844.00	46.5 PK	74.0	-27.5	1.10 H	173	43.2	3.3
6	4844.00	33.0 AV	54.0	-21.0	1.10 H	173	29.7	3.3
7	7266.00	46.2 PK	74.0	-27.8	1.35 H	45	36.9	9.3
8	7266.00	33.7 AV	54.0	-20.3	1.35 H	45	24.4	9.3
9	#9688.00	-	-	-	-	-	-	-
10	12110.00	-	-	-	-	-	-	-
11	#14532.00	-	-	-	-	-	-	-
12	#16954.00	-	-	-	-	-	-	-
13	19376.00	-	-	-	-	-	-	-
14	#21798.00	-	-	-	-	-	-	-
15	#24220.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

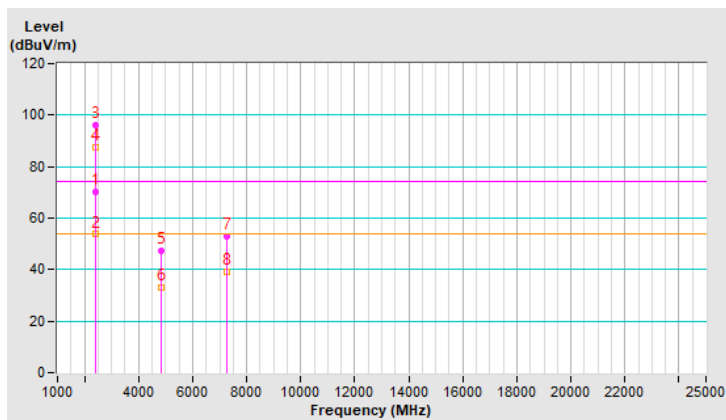


操作模式：	發射 802.11n (HT40)	調變技術：	OFDM
基本波頻率：	CH 3：2422 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	70.3 PK	74.0	-3.7	3.70 V	129	71.9	-1.6
2	2390.00	53.7 AV	54.0	-0.3	3.70 V	129	55.3	-1.6
3	*2422.00	96.1 PK			3.70 V	129	97.7	-1.6
4	*2422.00	87.5 AV			3.70 V	129	89.1	-1.6
5	4844.00	47.2 PK	74.0	-26.8	3.58 V	9	43.9	3.3
6	4844.00	33.1 AV	54.0	-20.9	3.58 V	9	29.8	3.3
7	7266.00	53.1 PK	74.0	-20.9	1.00 V	360	43.8	9.3
8	7266.00	39.0 AV	54.0	-15.0	1.00 V	360	29.7	9.3
9	#9688.00	-	-	-	-	-	-	-
10	12110.00	-	-	-	-	-	-	-
11	#14532.00	-	-	-	-	-	-	-
12	#16954.00	-	-	-	-	-	-	-
13	19376.00	-	-	-	-	-	-	-
14	#21798.00	-	-	-	-	-	-	-
15	#24220.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

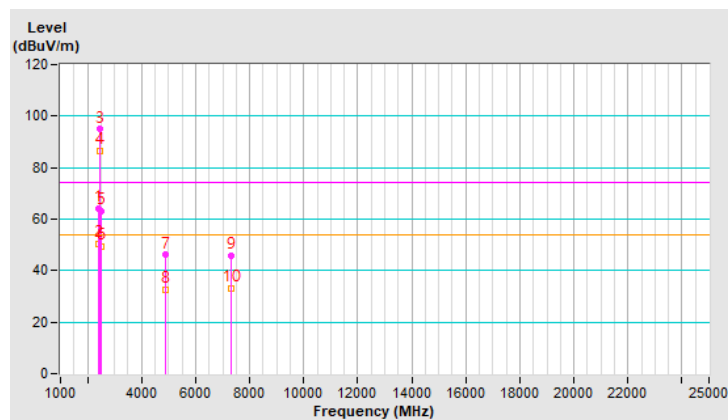


操作模式：	發射 802.11n (HT40)	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0℃	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	64.3 PK	74.0	-9.7	1.40 H	223	65.9	-1.6
2	2390.00	50.2 AV	54.0	-3.8	1.40 H	223	51.8	-1.6
3	*2437.00	94.9 PK			1.40 H	223	96.5	-1.6
4	*2437.00	86.3 AV			1.40 H	223	87.9	-1.6
5	2483.50	63.1 PK	74.0	-10.9	1.40 H	223	64.7	-1.6
6	2483.50	49.2 AV	54.0	-4.8	1.40 H	223	50.8	-1.6
7	4874.00	46.1 PK	74.0	-27.9	1.10 H	191	42.9	3.2
8	4874.00	32.4 AV	54.0	-21.6	1.10 H	191	29.2	3.2
9	7311.00	45.6 PK	74.0	-28.4	1.32 H	50	36.2	9.4
10	7311.00	33.1 AV	54.0	-20.9	1.32 H	50	23.7	9.4
11	#9748.00	-	-	-	-	-	-	-
12	12185.00	-	-	-	-	-	-	-
13	#14622.00	-	-	-	-	-	-	-
14	#17059.00	-	-	-	-	-	-	-
15	19496.00	-	-	-	-	-	-	-
16	#21933.00	-	-	-	-	-	-	-
17	#24370.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

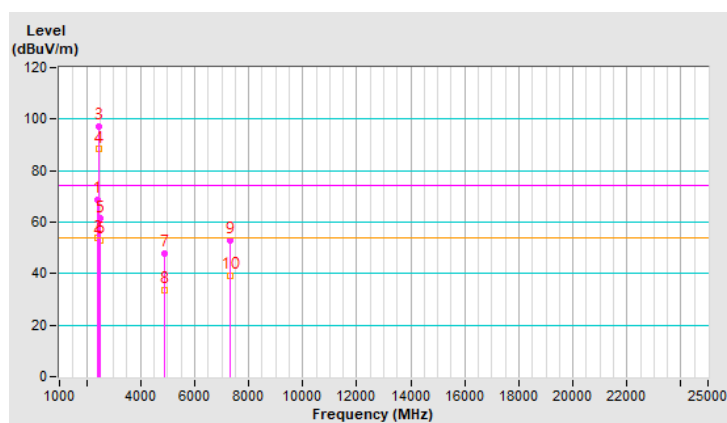


操作模式：	發射 802.11n (HT40)	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0℃	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	68.6 PK	74.0	-5.4	3.75 V	127	70.2	-1.6
2	2390.00	53.7 AV	54.0	-0.3	3.75 V	127	55.3	-1.6
3	*2437.00	97.1 PK			3.75 V	127	98.7	-1.6
4	*2437.00	88.3 AV			3.75 V	127	89.9	-1.6
5	2483.50	61.3 PK	74.0	-12.7	3.75 V	127	62.9	-1.6
6	2483.50	52.8 AV	54.0	-1.2	3.75 V	127	54.4	-1.6
7	4874.00	48.0 PK	74.0	-26.0	3.60 V	12	44.8	3.2
8	4874.00	33.7 AV	54.0	-20.3	3.60 V	12	30.5	3.2
9	7311.00	52.8 PK	74.0	-21.2	1.00 V	348	43.4	9.4
10	7311.00	39.0 AV	54.0	-15.0	1.00 V	348	29.6	9.4
11	#9748.00	-	-	-	-	-	-	-
12	12185.00	-	-	-	-	-	-	-
13	#14622.00	-	-	-	-	-	-	-
14	#17059.00	-	-	-	-	-	-	-
15	19496.00	-	-	-	-	-	-	-
16	#21933.00	-	-	-	-	-	-	-
17	#24370.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

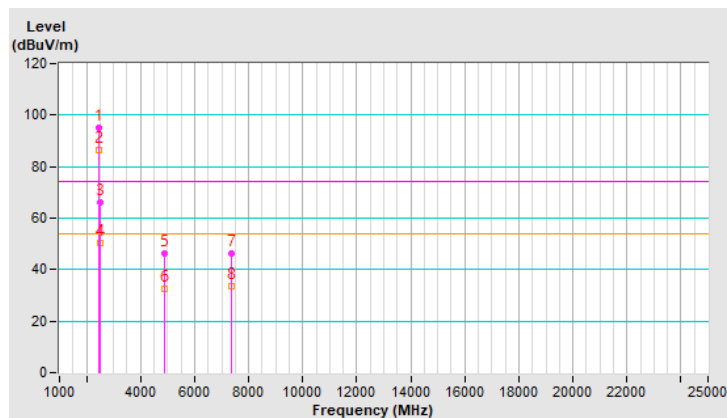


操作模式：	發射 802.11n (HT40)	調變技術：	OFDM
基本波頻率：	CH 9：2452 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2452.00	95.3 PK			1.40 H	215	96.9	-1.6
2	*2452.00	86.6 AV			1.40 H	215	88.2	-1.6
3	2483.50	66.2 PK	74.0	-7.8	1.40 H	215	67.8	-1.6
4	2483.50	50.2 AV	54.0	-3.8	1.40 H	215	51.8	-1.6
5	4904.00	46.4 PK	74.0	-27.6	1.02 H	182	43.3	3.1
6	4904.00	32.6 AV	54.0	-21.4	1.02 H	182	29.5	3.1
7	7356.00	46.2 PK	74.0	-27.8	1.28 H	32	36.7	9.5
8	7356.00	33.4 AV	54.0	-20.6	1.28 H	32	23.9	9.5
9	#9808.00	-	-	-	-	-	-	-
10	12260.00	-	-	-	-	-	-	-
11	#14712.00	-	-	-	-	-	-	-
12	#17164.00	-	-	-	-	-	-	-
13	19616.00	-	-	-	-	-	-	-
14	22068.00	-	-	-	-	-	-	-
15	#24520.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

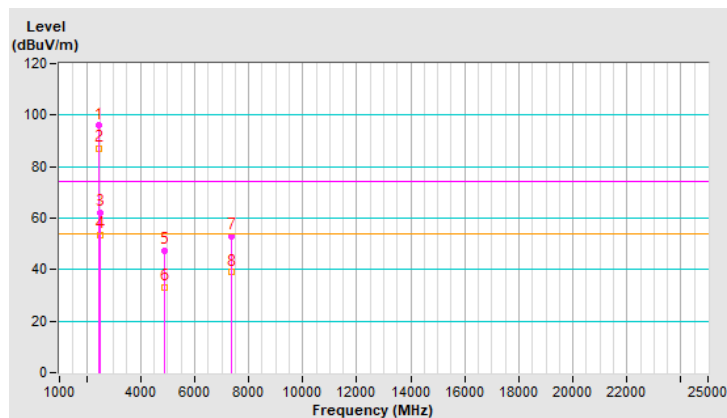


操作模式：	發射 802.11n (HT40)	調變技術：	OFDM
基本波頻率：	CH 9：2452 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2452.00	95.9 PK			3.68 V	130	97.5	-1.6
2	*2452.00	87.2 AV			3.68 V	130	88.8	-1.6
3	2483.50	62.2 PK	74.0	-11.8	3.68 V	130	63.8	-1.6
4	2483.50	53.6 AV	54.0	-0.4	3.68 V	130	55.2	-1.6
5	4904.00	47.2 PK	74.0	-26.8	3.54 V	24	44.1	3.1
6	4904.00	33.2 AV	54.0	-20.8	3.54 V	24	30.1	3.1
7	7356.00	53.0 PK	74.0	-21.0	1.00 V	360	43.5	9.5
8	7356.00	38.9 AV	54.0	-15.1	1.00 V	360	29.4	9.5
9	#9808.00	-	-	-	-	-	-	-
10	12260.00	-	-	-	-	-	-	-
11	#14712.00	-	-	-	-	-	-	-
12	#17164.00	-	-	-	-	-	-	-
13	19616.00	-	-	-	-	-	-	-
14	22068.00	-	-	-	-	-	-	-
15	#24520.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.



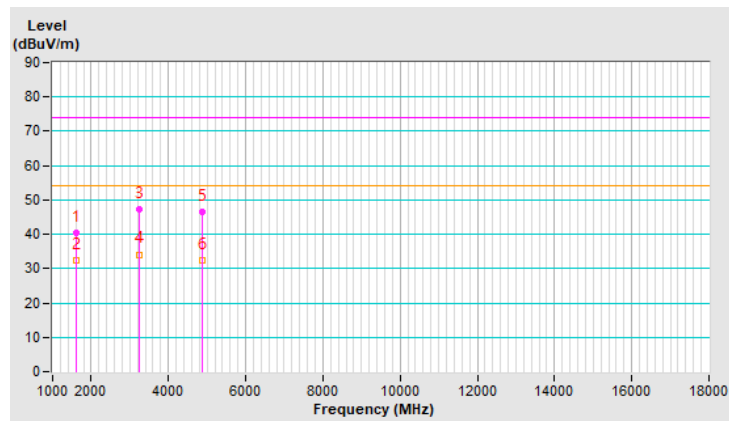
4.6.2 接收諧波

操作模式：	接收		
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109年9月29日	測試者：	杜維倫

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1624.67	40.4 PK	74.0	-33.6	1.60 H	139	45.2	-4.8
2	1624.67	32.4 AV	54.0	-21.6	1.60 H	139	37.2	-4.8
3	3249.33	47.1 PK	74.0	-26.9	1.55 H	62	47.3	-0.2
4	3249.33	34.1 AV	54.0	-19.9	1.55 H	62	34.3	-0.2
5	4874.00	46.4 PK	74.0	-27.6	1.25 H	173	43.2	3.2
6	4874.00	32.5 AV	54.0	-21.5	1.25 H	173	29.3	3.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

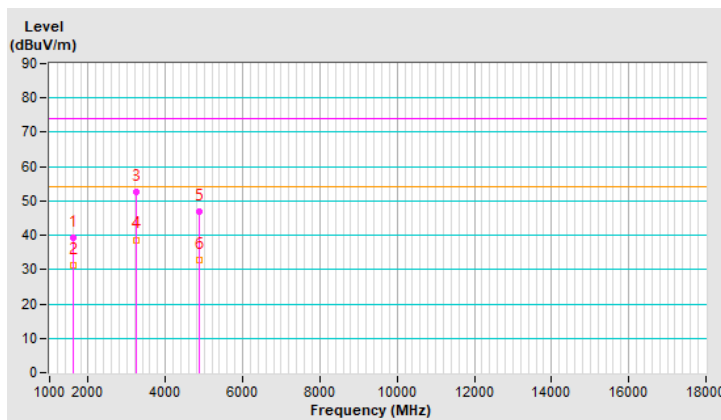


操作模式：	接收		
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109年9月29日	測試者：	杜維倫

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1624.67	39.3 PK	74.0	-34.7	1.32 V	230	44.1	-4.8
2	1624.67	31.3 AV	54.0	-22.7	1.32 V	230	36.1	-4.8
3	3249.33	52.7 PK	74.0	-21.3	1.16 V	348	52.9	-0.2
4	3249.33	38.7 AV	54.0	-15.3	1.16 V	348	38.9	-0.2
5	4874.00	46.8 PK	74.0	-27.2	3.85 V	55	43.6	3.2
6	4874.00	32.7 AV	54.0	-21.3	3.85 V	55	29.5	3.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.



4.6.3 其它不必要之訊號

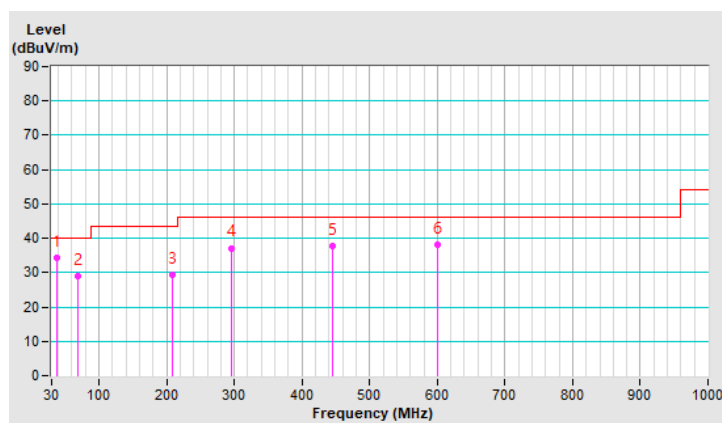
RF 模式

操作模式：	發射接收 802.11n (HT20)	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0°C	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 8 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	37.47	34.2 QP	40.0	-5.8	3.00 H	128	42.5	-8.3
2	69.45	28.8 QP	40.0	-11.2	1.50 H	223	38.7	-9.9
3	208.94	29.3 QP	43.5	-14.2	1.00 H	2	39.4	-10.1
4	296.68	37.2 QP	46.0	-8.8	1.00 H	111	43.2	-6.0
5	445.21	37.8 QP	46.0	-8.2	2.00 H	162	39.3	-1.5
6	600.00	38.2 QP	46.0	-7.8	2.50 H	0	36.1	2.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



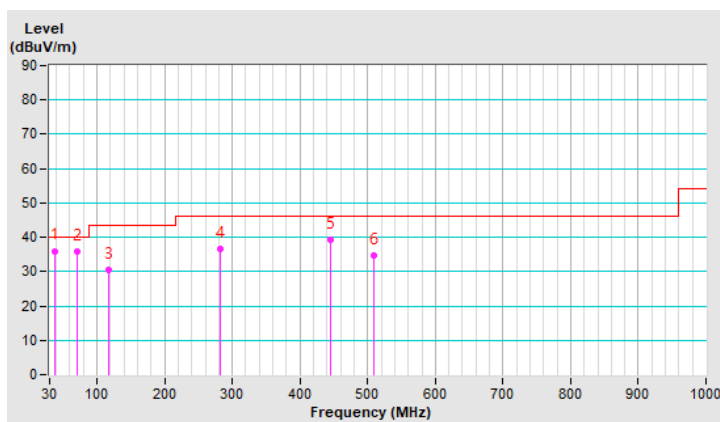
操作模式：	發射接收 802.11n (HT20)	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0°C	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 8 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	37.69	36.0 QP	40.0	-4.0	1.00 V	237	44.3	-8.3
2	70.18	35.7 QP	40.0	-4.3	1.50 V	360	45.7	-10.0
3	117.71	30.5 QP	43.5	-13.0	1.00 V	9	39.8	-9.3
4	281.74	36.6 QP	46.0	-9.4	1.50 V	14	43.1	-6.5
5	445.01	39.4 QP	46.0	-6.6	1.00 V	291	40.9	-1.5
6	509.33	34.7 QP	46.0	-11.3	1.00 V	323	34.8	-0.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



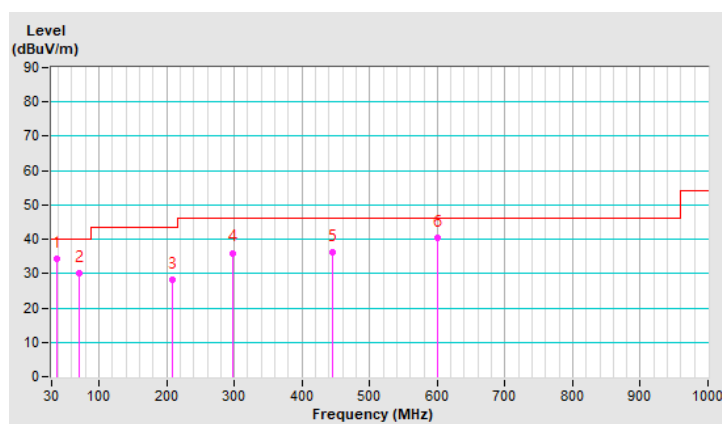
HDMI 模式

操作模式：	HDMI 模式	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0°C	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 8 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	37.23	34.3 QP	40.0	-5.7	3.00 H	135	42.7	-8.4
2	70.17	30.2 QP	40.0	-9.8	2.50 H	178	40.2	-10.0
3	207.92	28.3 QP	43.5	-15.2	1.50 H	246	38.3	-10.0
4	296.83	36.0 QP	46.0	-10.0	1.00 H	149	42.0	-6.0
5	445.24	36.2 QP	46.0	-9.8	2.00 H	193	37.7	-1.5
6	600.01	40.3 QP	46.0	-5.7	2.00 H	32	38.2	2.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

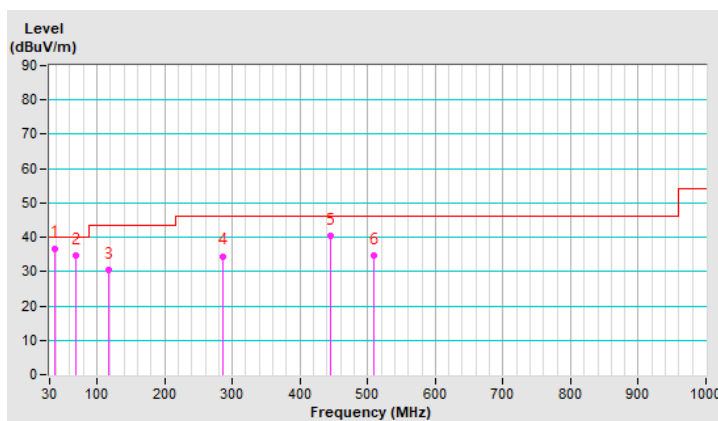


操作模式：	HDMI 模式	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0℃	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 8 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	38.37	36.8 QP	40.0	-3.2	1.50 V	3	45.1	-8.3
2	69.63	34.7 QP	40.0	-5.3	1.00 V	311	44.6	-9.9
3	117.20	30.4 QP	43.5	-13.1	1.00 V	348	39.7	-9.3
4	286.79	34.5 QP	46.0	-11.5	1.00 V	13	40.9	-6.4
5	444.89	40.4 QP	46.0	-5.6	1.00 V	257	42.0	-1.6
6	508.28	34.6 QP	46.0	-11.4	1.00 V	279	34.7	-0.1

Remarks:

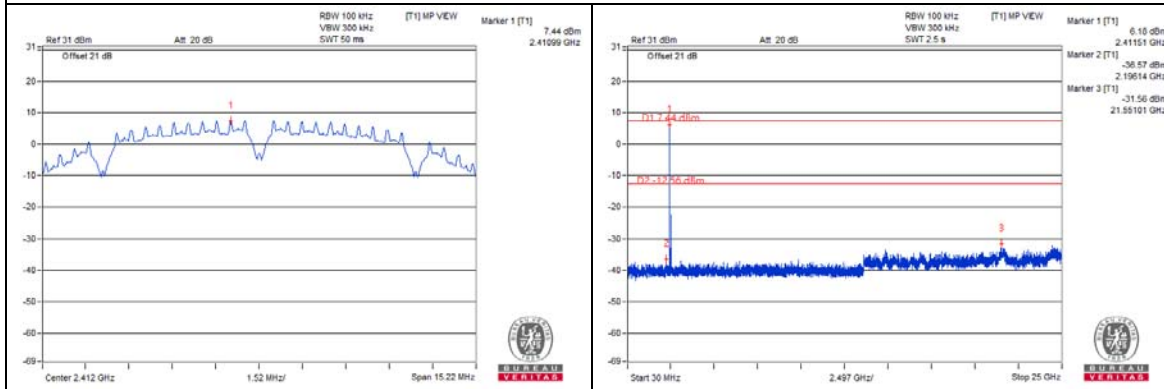
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



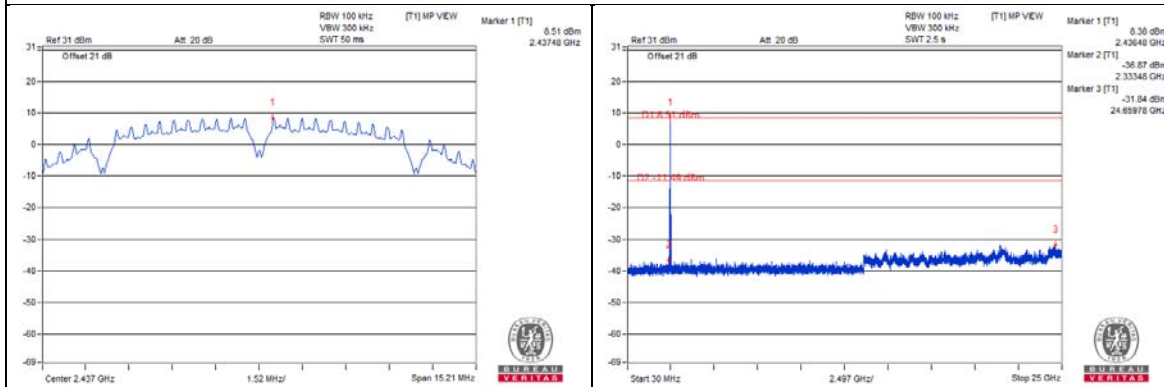
4.7 帶外發射之量測 (傳導)

802.11b

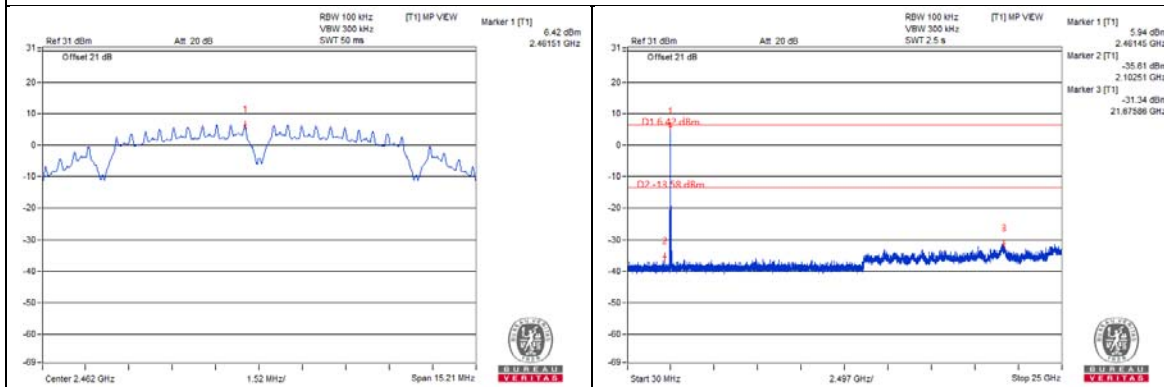
CH 1



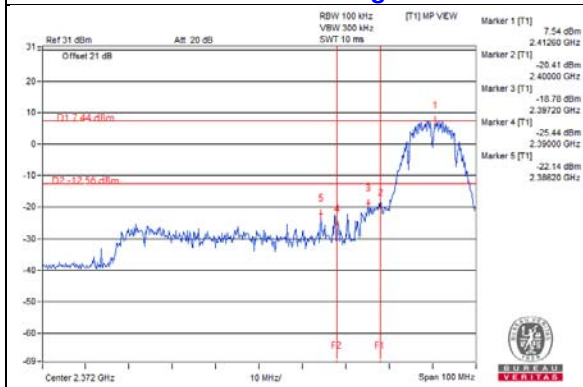
CH 6



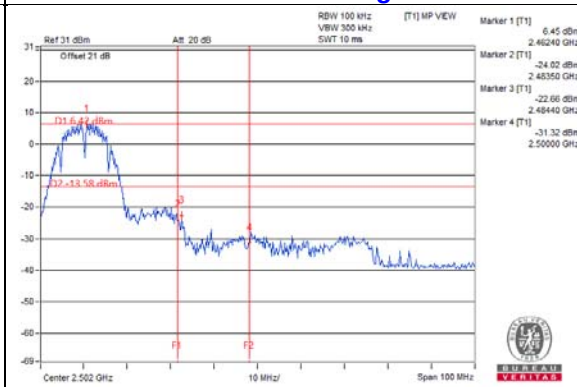
CH 11



CH 1 Band edge

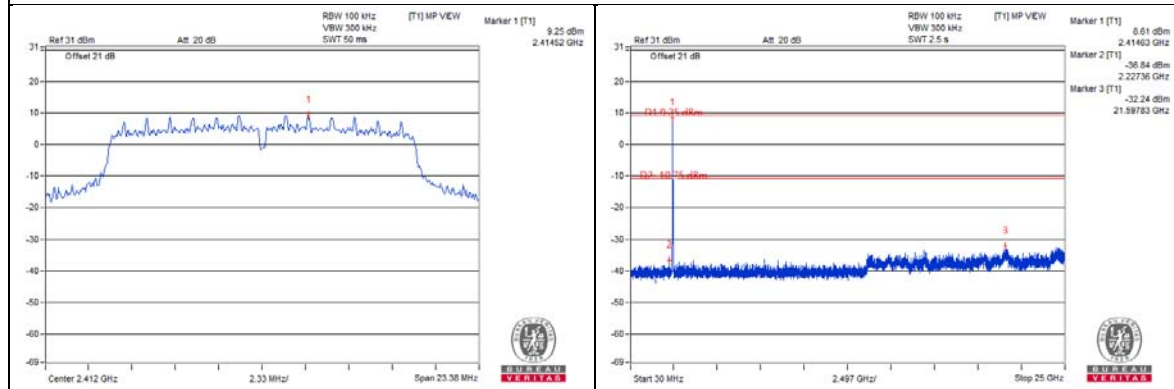


CH 11 Band edge

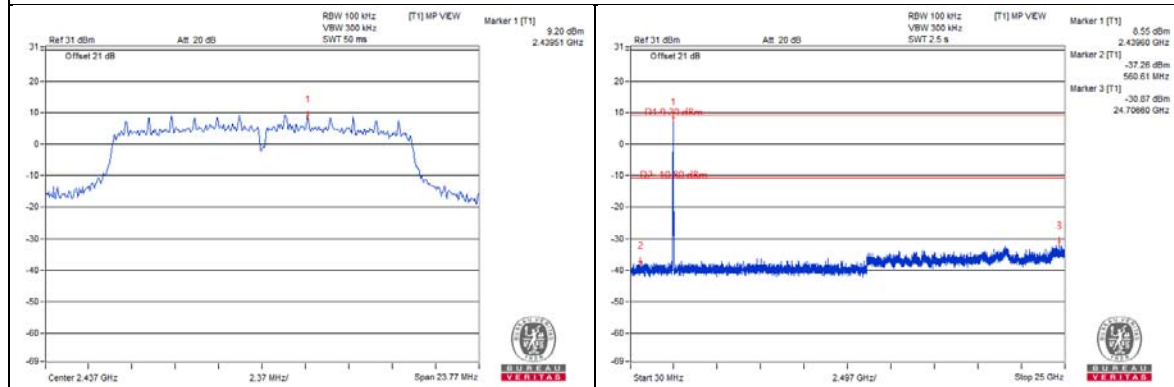


802.11g

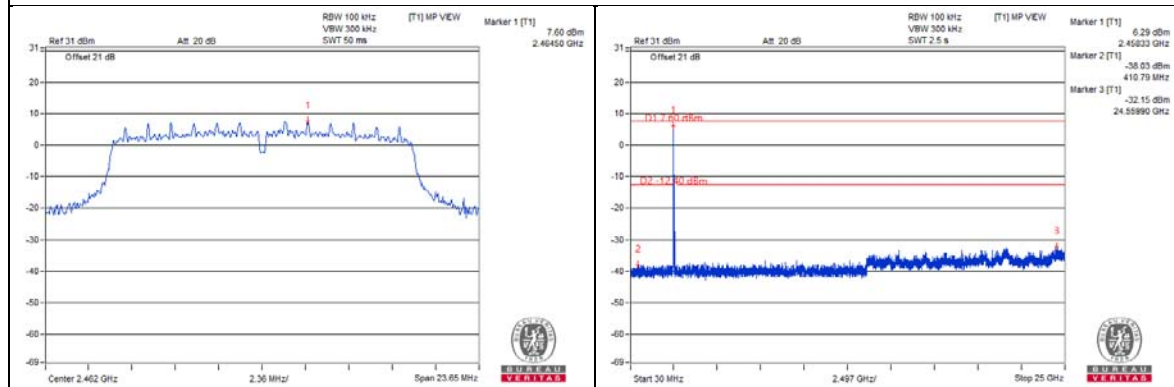
CH 1



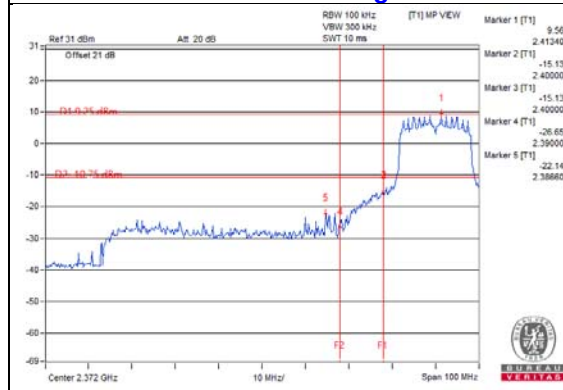
CH 6



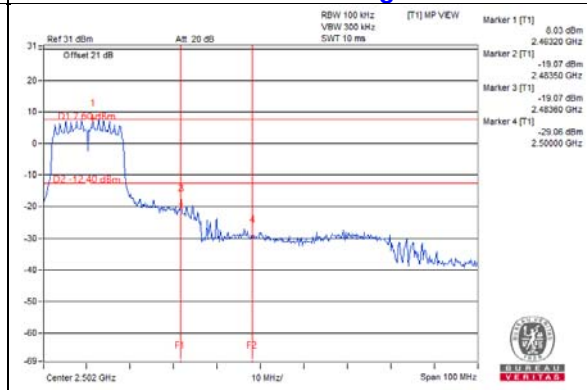
CH 11



CH 1 Band edge

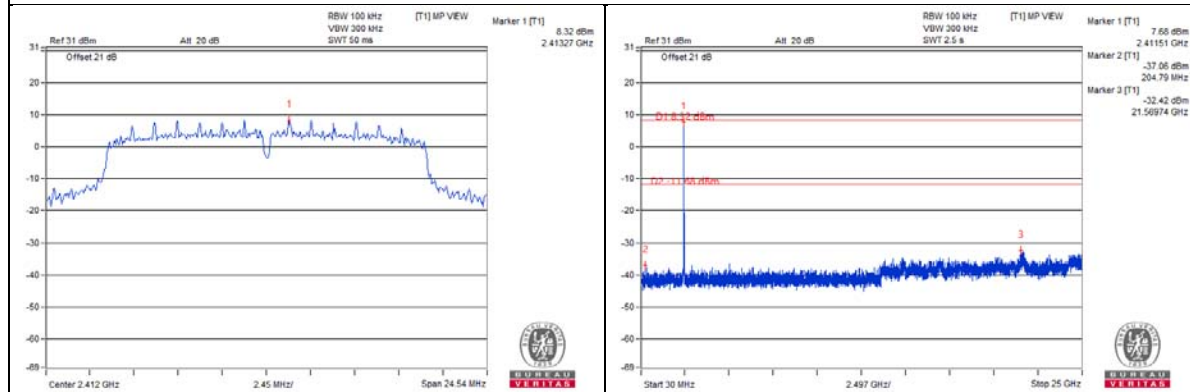


CH 11 Band edge

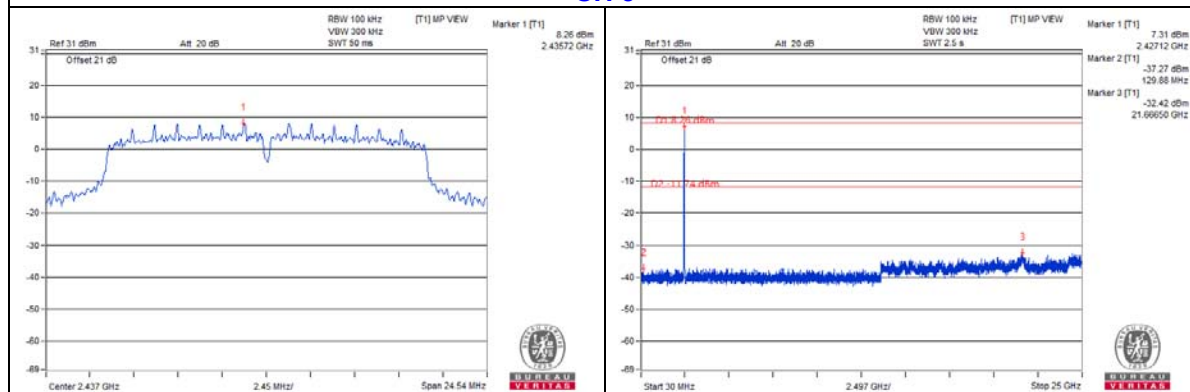


802.11n (HT20) Chain 0

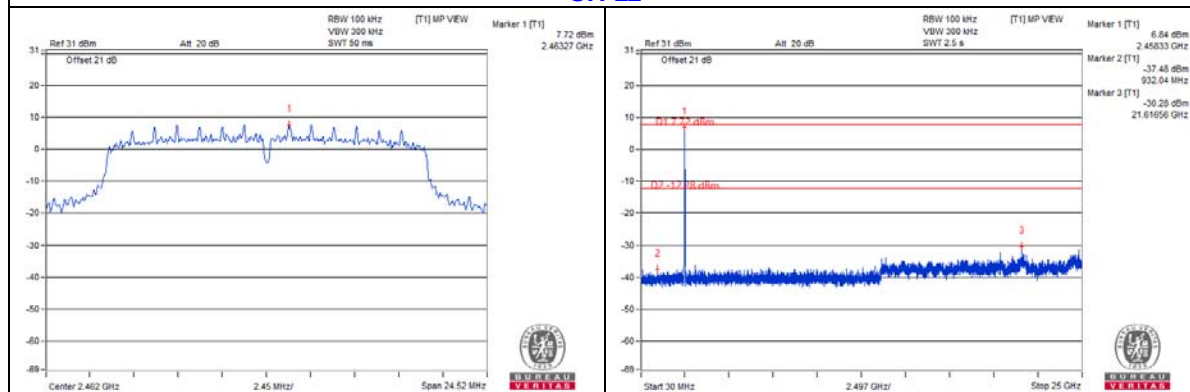
CH 1



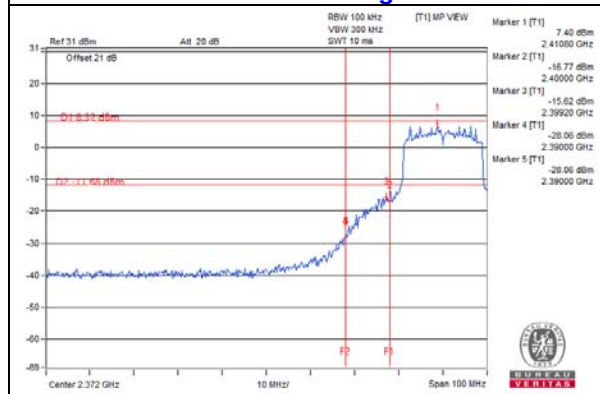
CH 6



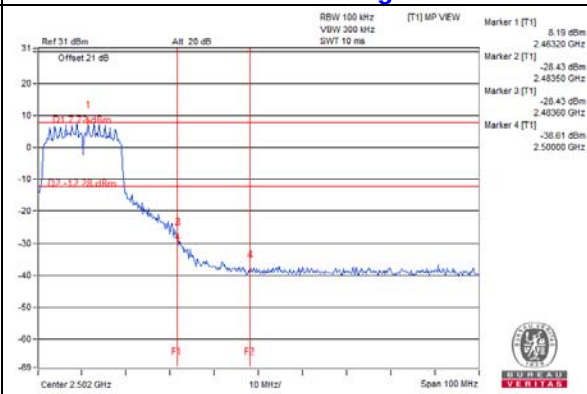
CH 11



CH 1 Band edge

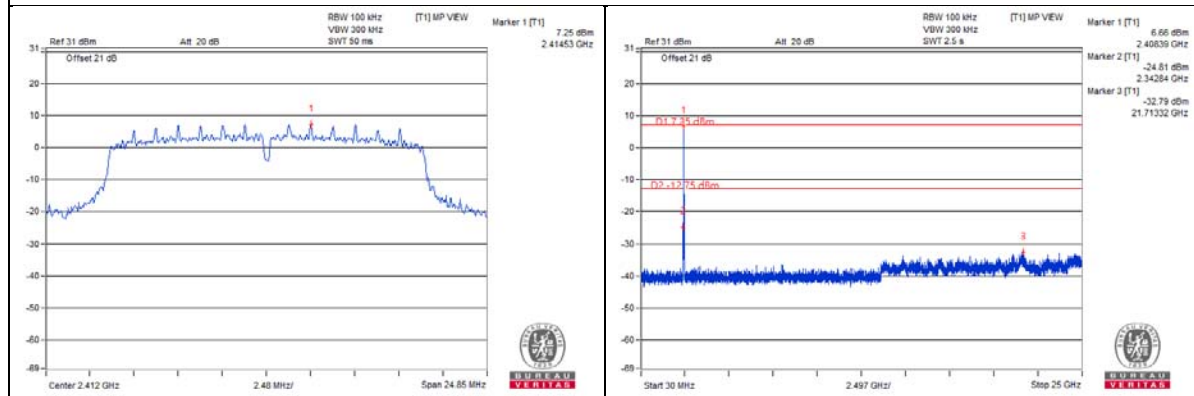


CH 11 Band edge

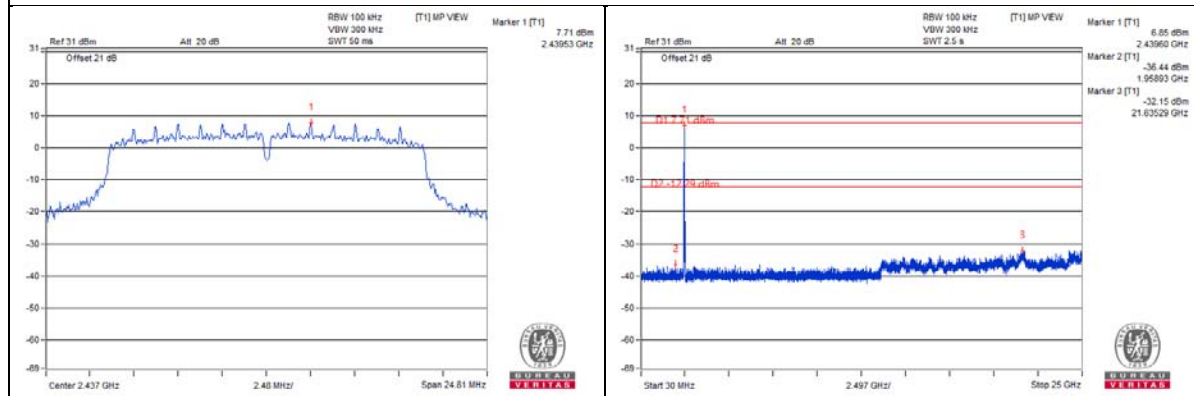


Chain 1

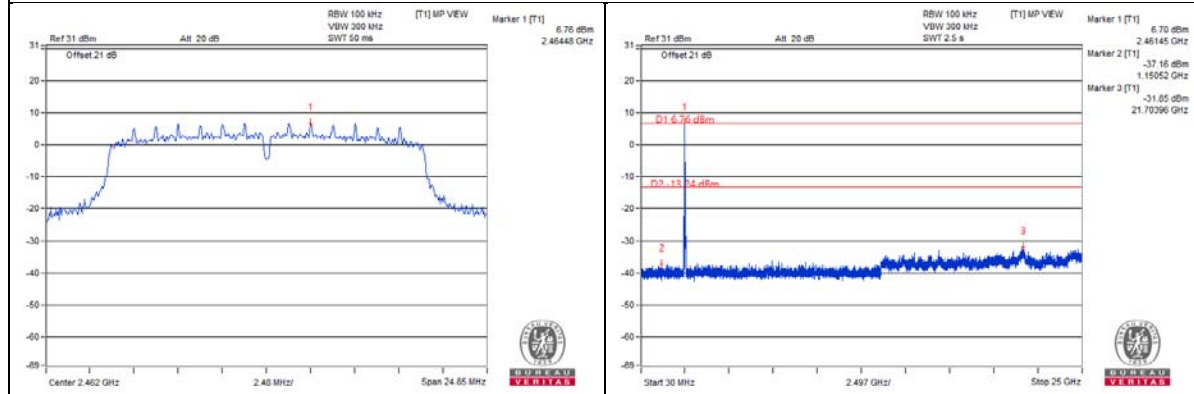
CH 1



CH 6

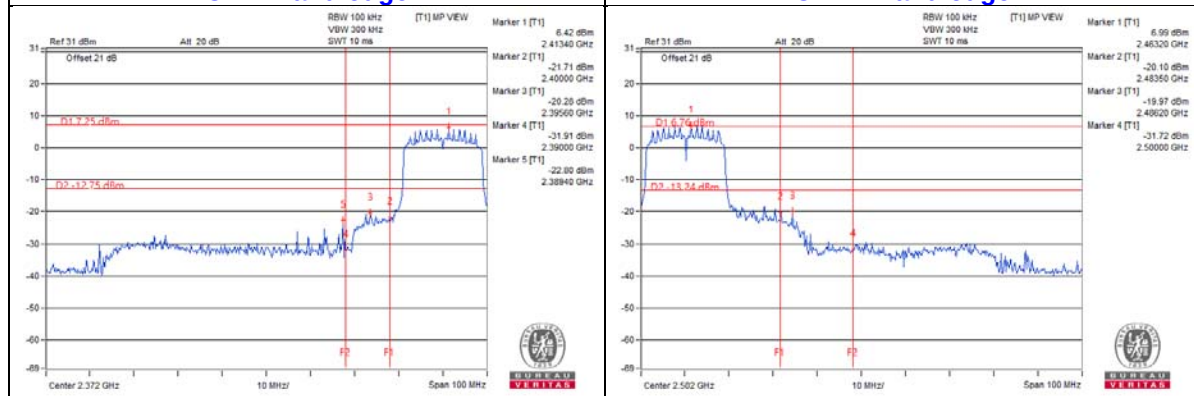


CH 11



CH 1 Band edge

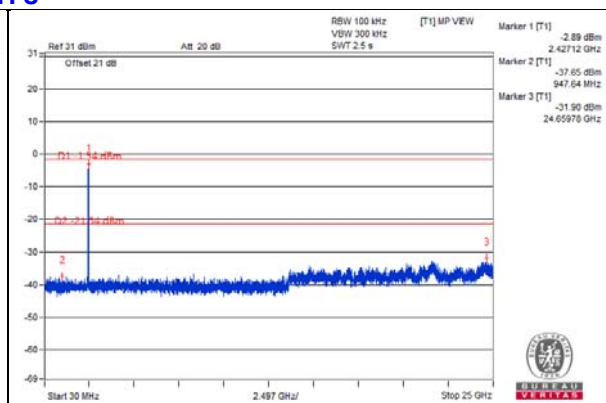
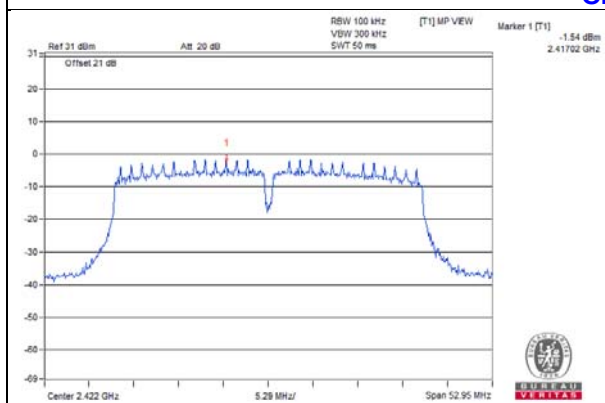
CH 11 Band edge



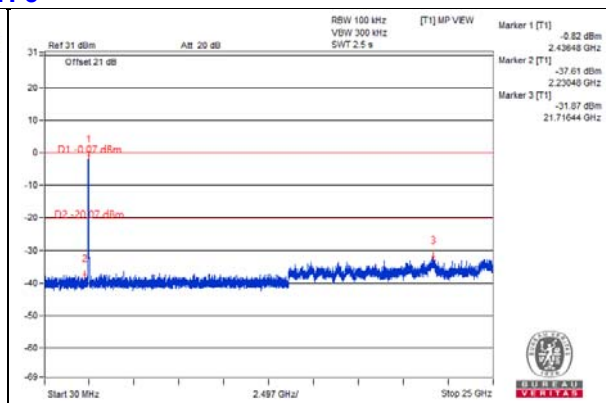
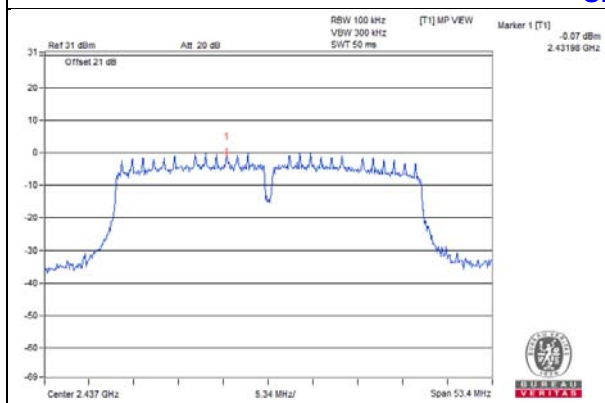
802.11n (HT40)

Chain 0

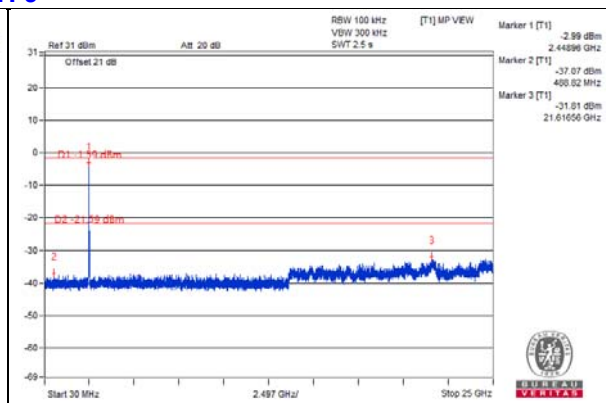
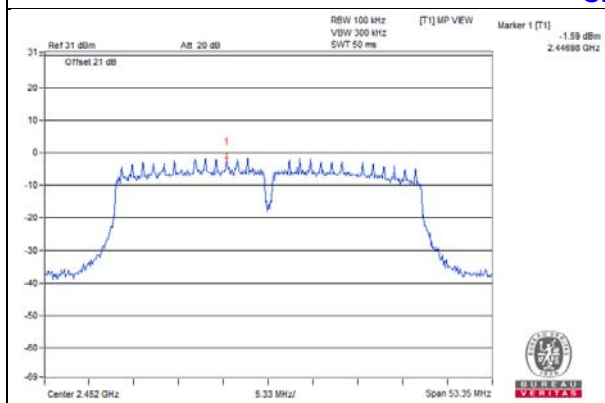
CH 3



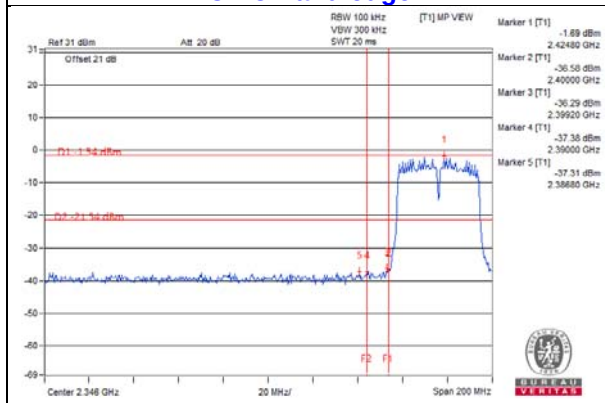
CH 6



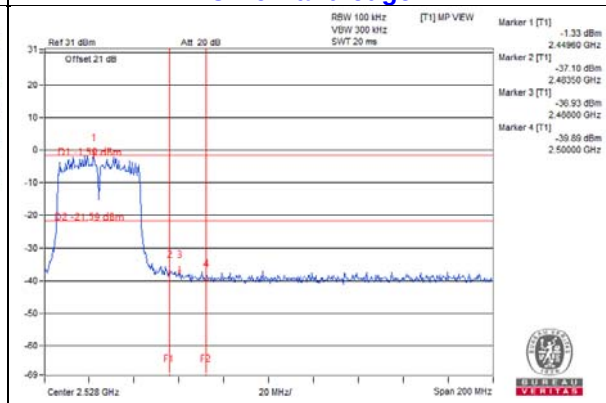
CH 9



CH 3 Band edge

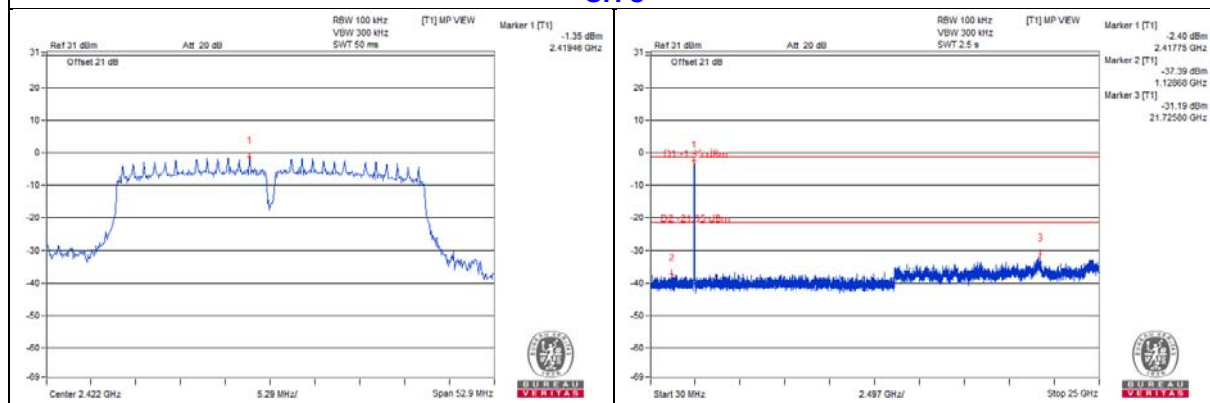


CH 9 Band edge

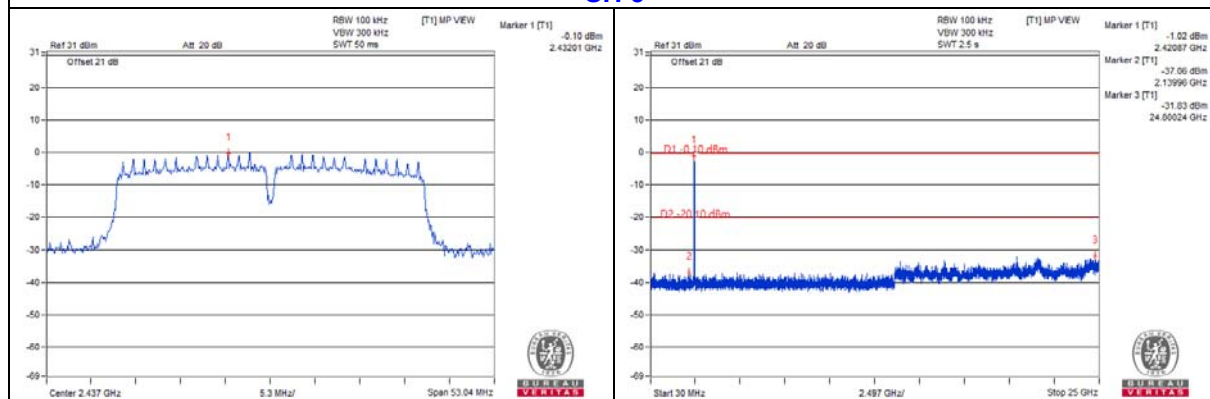


Chain 1

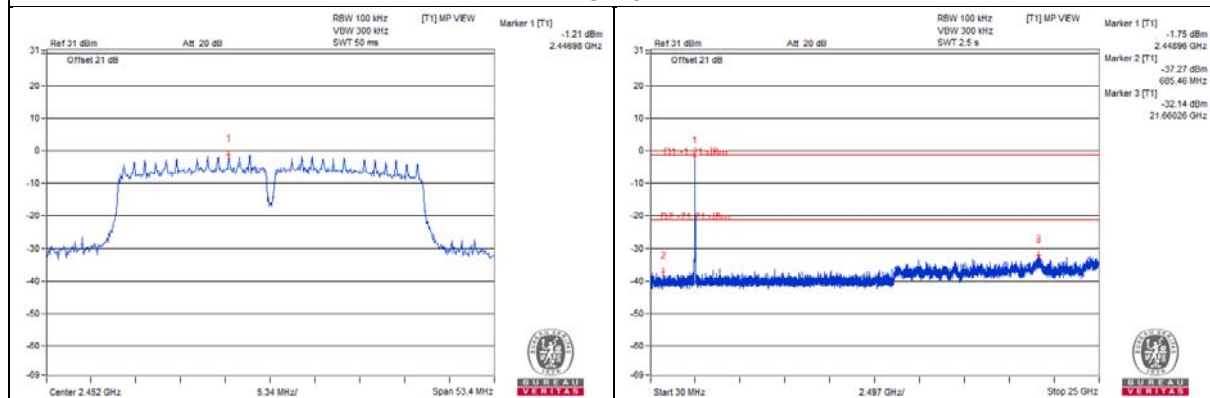
CH 3



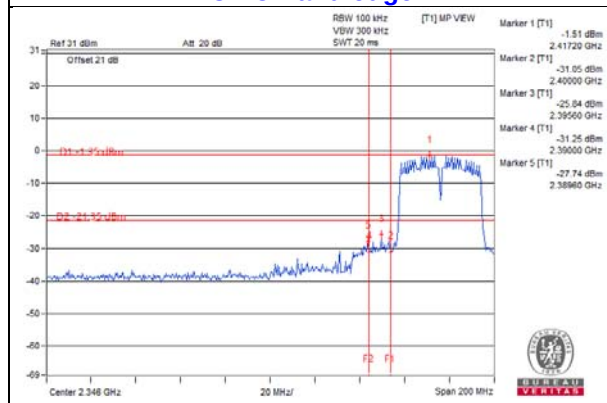
CH 6



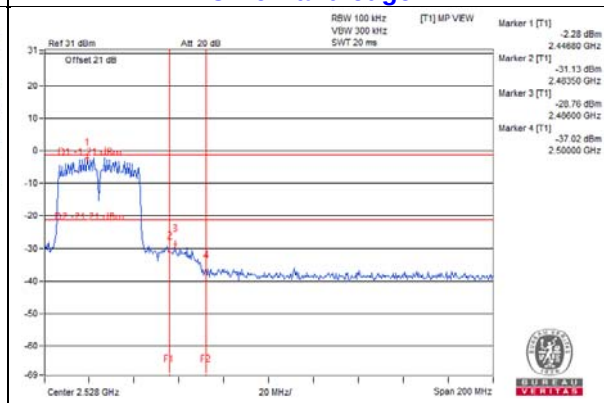
CH 9



CH 3 Band edge



CH 9 Band edge



4.8 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

4.9 配置照片

請參照 Test Setup Photos (BV 編號: 200605E17)

5 電源線傳導干擾之量測

5.1 適用標準

請見本報告 3.1 節第(1)項的規定。

5.2 量測方法

將待測物置於 0.8 米高的非金屬桌面，使其操作在工作狀態，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 0.15MHz 至 30MHz 之間之電源線傳導放射強度。

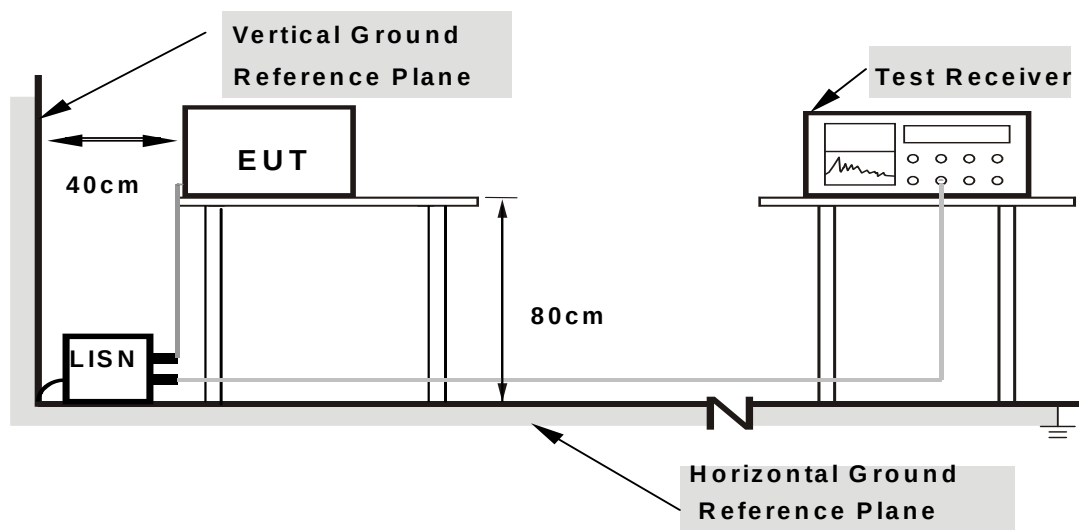
5.3 量測儀器

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver R&S	ESCS 30	847124/029	Oct. 23, 2019	Oct. 22, 2020
Line-Impedance Stabilization Network (for EUT) R&S	ESH3-Z5	848773/004	Oct. 23, 2019	Oct. 22, 2020
Line-Impedance Stabilization Network (for Peripheral) R&S	ESH3-Z5	835239/001	Mar. 19, 2020	Mar. 18, 2021
50 ohms Terminator	50	3	Oct. 23, 2019	Oct. 22, 2020
RF Cable	5D-FB	COCCAB-001	Sep. 27, 2019	Sep. 26, 2020
Fixed attenuator EMCI	STI02-2200-10	005	Aug. 29, 2020	Aug. 28, 2021
Software BVADT	BVADT_Cond_ V7.3.7.4	NA	NA	NA

Note:

1. The calibration interval of the above test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in Conduction 1.
3. The measurement uncertainty is 1.9 dB, which is calculated as per the document CISPR 16-4-2 This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

5.4 測試配置



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

5.5 干擾值之計算

餘裕度 Margin(dB)= 結果值 Emission level (dBuV)-限制值 Limit value (dBuV)

電源傳導干擾電壓之計算公式如下

結果值 Emission level (dBuV)=校正因子 Correction Factor (dB)+儀器讀值 Reading value (dBuV)

其中校正因子 Correction Factor (dB)為：

饋線損失+電源阻抗模擬網路損失

5.6 量測結果

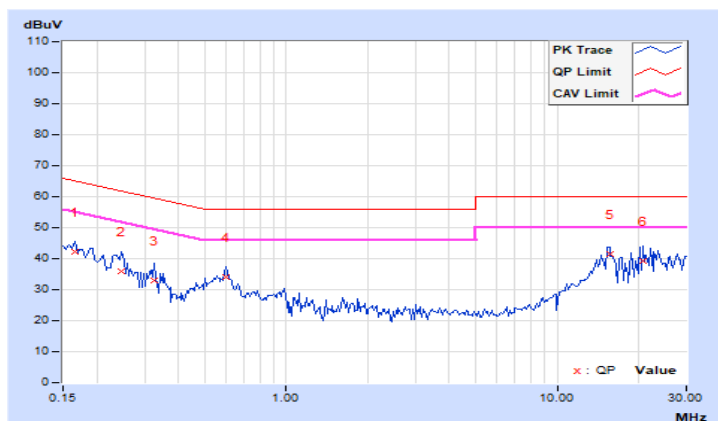
RF 模式

操作模式：	發射接收 802.11n (HT20)	基本波頻率：	CH 6：2437 MHz
量測頻率範圍：	150kHz ~ 30MHz	檢測器與頻寬：	準峰值 (QP) / 平均值 (AV), 9kHz
量測場地溫度：	25°C	量測場地濕度：	68%RH
測試日期：	109 年 9 月 24 日	測試者：	陳善豐

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16562	9.93	32.18	24.66	42.11	34.59	65.18	55.18	-23.07	-20.59
2	0.24766	9.96	26.00	17.14	35.96	27.10	61.84	51.84	-25.88	-24.74
3	0.32578	9.97	22.86	11.28	32.83	21.25	59.56	49.56	-26.73	-28.31
4	0.59922	9.99	24.10	15.90	34.09	25.89	56.00	46.00	-21.91	-20.11
5	15.67578	11.04	30.26	26.71	41.30	37.75	60.00	50.00	-18.70	-12.25
6	20.71484	11.38	27.72	24.02	39.10	35.40	60.00	50.00	-20.90	-14.60

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

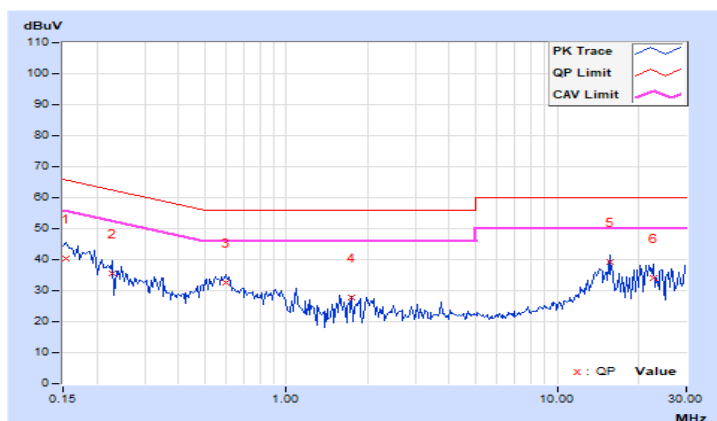


操作模式：	發射接收 802.11n (HT20)	基本波頻率：	CH 6 : 2437 MHz
量測頻率範圍：	150kHz ~ 30MHz	檢測器與頻寬：	準峰值 (QP) / 平均值 (AV), 9kHz
量測場地溫度：	25°C	量測場地濕度：	68%RH
測試日期：	109 年 9 月 24 日	測試者：	陳善豐

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	9.93	30.42	16.20	40.35	26.13	65.79	55.79	-25.44	-29.66
2	0.22812	9.97	25.66	14.10	35.63	24.07	62.52	52.52	-26.89	-28.45
3	0.59922	10.02	22.67	11.55	32.69	21.57	56.00	46.00	-23.31	-24.43
4	1.75000	10.10	17.56	5.70	27.66	15.80	56.00	46.00	-28.34	-30.20
5	15.60938	10.86	28.53	24.79	39.39	35.65	60.00	50.00	-20.61	-14.35
6	22.67578	11.16	22.77	18.29	33.93	29.45	60.00	50.00	-26.07	-20.55

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



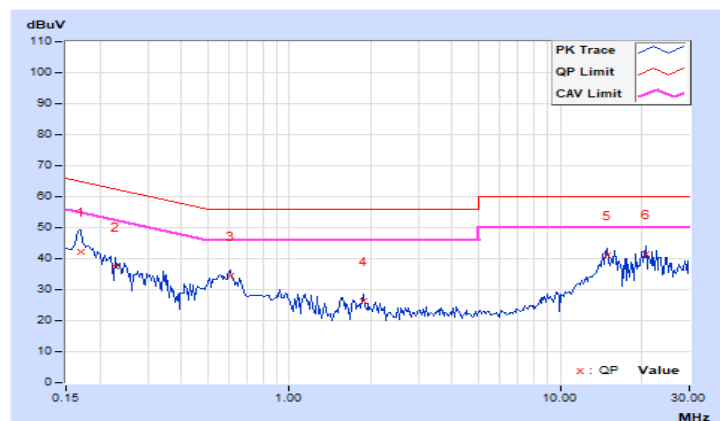
HDMI 模式

操作模式：	HDMI 模式	量測頻率範圍：	150kHz ~ 30MHz
量測場地溫度：	25°C	檢測器與頻寬：	準峰值 (QP) / 平均值 (AV), 9kHz
測試日期：	109 年 9 月 24 日	量測場地濕度：	68%RH
測試者：	陳善豐		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16953	9.93	32.21	24.02	42.14	33.95	64.98	54.98	-22.84	-21.03
2	0.22812	9.95	27.29	17.12	37.24	27.07	62.52	52.52	-25.28	-25.45
3	0.60703	9.99	24.40	14.83	34.39	24.82	56.00	46.00	-21.61	-21.18
4	1.88281	10.09	16.12	7.18	26.21	17.27	56.00	46.00	-29.79	-28.73
5	14.87891	10.99	29.94	24.73	40.93	35.72	60.00	50.00	-19.07	-14.28
6	20.64453	11.38	30.12	27.16	41.50	38.54	60.00	50.00	-18.50	-11.46

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

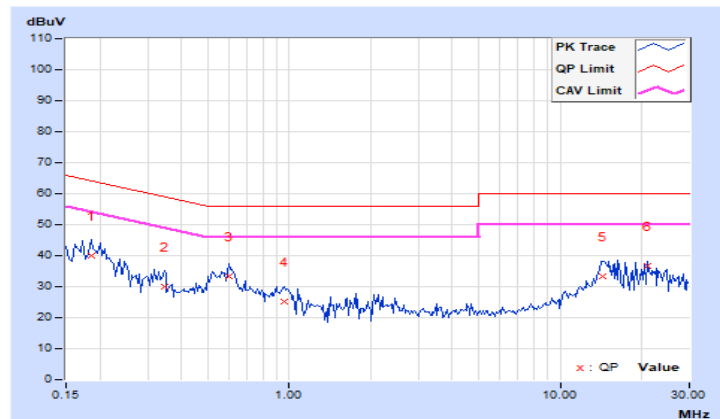


操作模式：	HDMI 模式	量測頻率範圍：	150kHz ~ 30MHz
量測場地溫度：	25°C	檢測器與頻寬：	準峰值 (QP) / 平均值 (AV), 9kHz
測試日期：	109 年 9 月 24 日	量測場地濕度：	68%RH
測試者：	陳善豐		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.18516	9.95	29.92	18.68	39.87	28.63	64.25	54.25	-24.38	-25.62
2	0.34531	9.99	20.08	7.99	30.07	17.98	59.07	49.07	-29.00	-31.09
3	0.59922	10.02	23.20	12.70	33.22	22.72	56.00	46.00	-22.78	-23.28
4	0.95859	10.06	15.01	3.68	25.07	13.74	56.00	46.00	-30.93	-32.26
5	14.39844	10.80	22.67	13.21	33.47	24.01	60.00	50.00	-26.53	-25.99
6	20.98438	11.12	25.48	23.11	36.60	34.23	60.00	50.00	-23.40	-15.77

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



5.7 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

5.8 配置照片

請參照 Test Setup Photos (BV 編號: 200605E17)

6 6 dB 頻寬之要求

6.1 適用標準

請見本報告 3.1 節第(5)項(I)的規定。

6.2 量測方法

- 將待測物輸出經由衰減器接到頻譜分析儀上。
- 設定待測物處於連續發射狀態。
- 計算最大輸出功率峰值減 6dB 的最大頻率範圍。

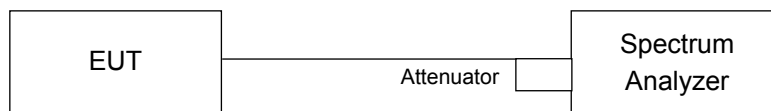
6.3 量測儀器

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSV40	100964	May 29, 2020	May 28, 2021
Fixed Attenuator Mini-Circuits	MDCS18N-10	MDCS18N-10-01	Apr. 14, 2020	Apr. 13, 2021

NOTE:

- The test was performed in Oven room 2.
- The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

6.4 測試配置



6.5 量測結果

操作模式	發射	測試日期	109 年 10 月 07 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	陳高逸		

802.11b

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
1	2412	10.15	0.5	Pass
6	2437	10.14	0.5	Pass
11	2462	10.14	0.5	Pass

802.11g

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
1	2412	15.59	0.5	Pass
6	2437	15.85	0.5	Pass
11	2462	15.77	0.5	Pass

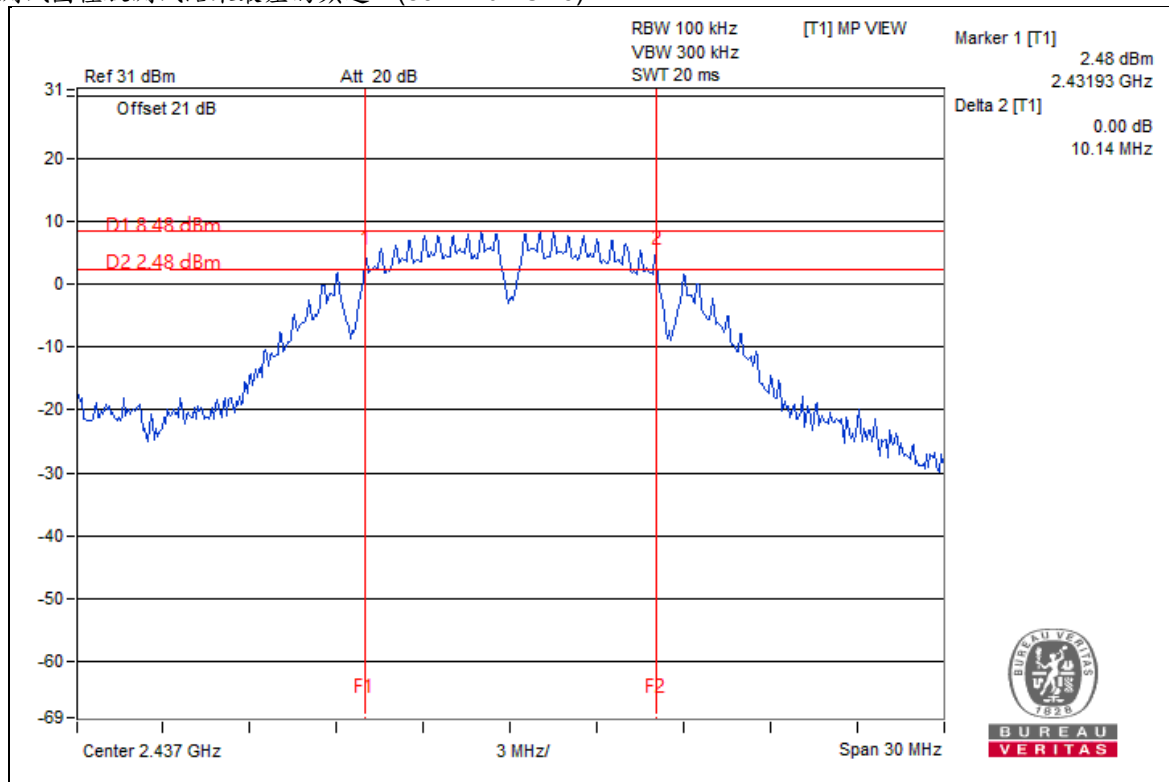
802.11n (HT20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	16.36	16.57	0.5	Pass
6	2437	16.36	16.54	0.5	Pass
11	2462	16.35	16.57	0.5	Pass

802.11n (HT40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
3	2422	35.30	35.27	0.5	Pass
6	2437	35.60	35.36	0.5	Pass
9	2452	35.57	35.60	0.5	Pass

**此測試圖僅放測試結果最差的頻道。(802.11b / CH6)



6.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

7 傳導輸出功率之量測

7.1 適用標準

請見本報告 3.1 節第(6)項(I)及(4)項(I)的規定。

7.2 量測方法

- 將待測物輸出經由衰減器接到功率計上。
- 設定待測物處於連續發射狀態。
- 計算其最大輸出功率。

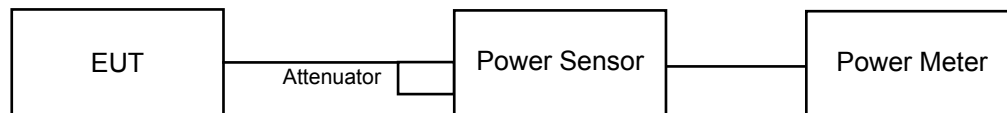
7.3 量測儀器

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Power meter Anritsu	ML2495A	1529002	July 22, 2020	July 21, 2021
Power sensor Anritsu	MA2411B	1339443	July 22, 2020	July 21, 2021
Fixed Attenuator Mini-Circuits	MDCS18N-10	MDCS18N-10-01	Apr. 14, 2020	Apr. 13, 2021

NOTE:

- The test was performed in Oven room 2.
- The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

7.4 測試配置



7.5 量測結果

操作模式	發射	測試日期	109 年 10 月 07 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	陳高逸		

FOR PEAK POWER

802.11b

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Limit (dBm)	Pass / Fail
1	2412	73.79	18.68	30.00	Pass
6	2437	94.624	19.76	30.00	Pass
11	2462	57.412	17.59	30.00	Pass

802.11g

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Limit (dBm)	Pass / Fail
1	2412	432.514	26.36	30.00	Pass
6	2437	440.555	26.44	30.00	Pass
11	2462	410.204	26.13	30.00	Pass

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	24.96	24.92	623.785	27.95	30.00	Pass
6	2437	25.11	25.14	650.927	28.14	30.00	Pass
11	2462	24.76	24.65	590.969	27.72	30.00	Pass

802.11n (HT40)

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
3	2422	21.42	21.58	282.555	24.51	30.00	Pass
6	2437	22.55	22.60	361.857	25.59	30.00	Pass
9	2452	21.13	21.20	261.544	24.18	30.00	Pass

FOR AVERAGE POWER

802.11b

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
1	2412	47.206	16.74
6	2437	59.156	17.72
11	2462	36.559	15.63

802.11g

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
1	2412	101.859	20.08
6	2437	103.753	20.16
11	2462	76.736	18.85

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
1	2412	19.17	18.76	157.766	21.98
6	2437	19.56	19.01	169.981	22.30
11	2462	18.71	18.18	140.068	21.46

802.11n (HT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
3	2422	12.71	12.58	36.777	15.66
6	2437	14.06	13.93	50.186	17.01
9	2452	12.27	12.30	33.848	15.30

7.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

8 功率頻譜密度之量測

8.1 適用標準

請見本報告 3.1 節第(7)項(I)的規定。

8.2 量測方法

- 將待測物之天線埠連接至測試儀器。
- 設定解析頻寬為 3 kHz，視訊頻寬為 10kHz，掃描時間設為自動，直至掃描信號穩定。
- 使用峰值功能鍵，並找到最大的峰值準位。

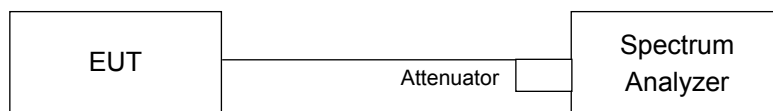
8.3 量測儀器

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSV40	100964	May 29, 2020	May 28, 2021
Fixed Attenuator Mini-Circuits	MDCS18N-10	MDCS18N-10-01	Apr. 14, 2020	Apr. 13, 2021

NOTE:

- The test was performed in Oven room 2.
- The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

8.4 測試配置



8.5 量測結果

操作模式	發射	測試日期	109 年 10 月 07 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	陳高逸		

802.11b

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Pass / Fail
1	2412	-6.40	8.00	Pass
6	2437	-6.05	8.00	Pass
11	2462	-7.52	8.00	Pass

802.11g

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Pass / Fail
1	2412	-5.30	8.00	Pass
6	2437	-5.39	8.00	Pass
11	2462	-6.64	8.00	Pass

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Pass / Fail
		Chain 0	Chain 1			
1	2412	-6.07	-6.79	-3.40	7.94	Pass
6	2437	-6.67	-6.33	-3.49	7.94	Pass
11	2462	-7.02	-7.50	-4.24	7.94	Pass

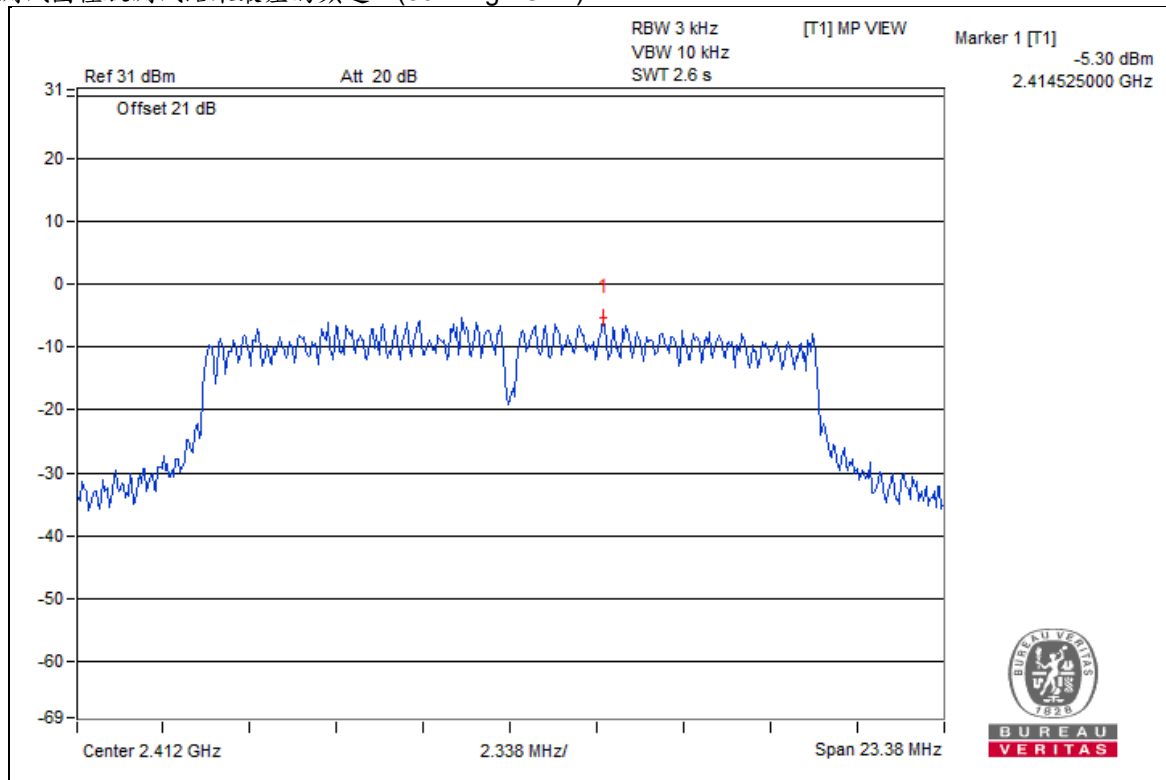
Note: The directional gain = $10 \log[(10^{G0/20} + 10^{G1/20})^2 / 2] = 6.06 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $8 - (6.06 - 6) = 7.94 \text{ dBm/3kHz}$.

802.11n (HT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Pass / Fail
		Chain 0	Chain 1			
3	2422	-16.26	-16.35	-13.29	7.94	Pass
6	2437	-13.58	-13.80	-10.68	7.94	Pass
9	2452	-16.17	-15.26	-12.68	7.94	Pass

Note: The directional gain = $10 \log[(10^{G0/20} + 10^{G1/20})^2 / 2] = 6.06 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $8 - (6.06 - 6) = 7.94 \text{ dBm/3kHz}$.

**此測試圖僅放測試結果最差的頻道。(802.11g / CH1)



8.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

U-NII 頻段測試紀錄結果

9 帶外發射之量測

9.1 適用標準

待測物操作頻帶	適用標準
☒ 5.15 GHz~5.25 GHz	請見本報告 3.1 節第(2)項(II)的規定
☒ 5.25 GHz~5.35 GHz	請見本報告 3.1 節第(2)項(II)的規定
☒ 5.470 GHz~5.725 GHz	請見本報告 3.1 節第(2)項(II)的規定
☒ 5.725 GHz~5.850 GHz	請見本報告 3.1 節第(2)項(III)的規定

9.2 量測方法

在電波暗室，將待測物置於 0.8 米高的非金屬桌面，使其操作在工作狀態。接收天線置於 3 米距離。桌面要 360 度旋轉，另外接收天線從離地 1 米至 4 米升降變化，以找出最大的輻射電場強度，接收天線分別置於水平、垂直極化各執行測試一次。

備註：對於 1GHz 以上場強輻射的測試，待測物則置於 1.5 米高的非金屬桌面

9.3 量測儀器

同 4.3 節

9.4 測試配置

同 4.4 節

9.5 場強度之計算

場強之計算公式如下：

結果值 Emission level (dBuV/m)=機器讀值 Raw Value (dBuV) +校正因子 Correction Factor (dB/m)

餘裕度 Margin(dB)= 結果值 Emission level (dBuV/m)-限制值 Limit value (dBuV/m)

*有效等向輻射功率限制值轉換場強值如下：

Applicable To		Limit	
789033 D02 General UNII Test Procedure New Rules v02r01		Field Strength at 3m	
		PK:74 (dBuV/m)	AV:54 (dBuV/m)
操作頻帶	Applicable To	EIRP Limit	Equivalent Field Strength at 3m
5150~5250 MHz	技術規範 5.7.4.1 節	PK:-27 (dBm/MHz)	PK:68.2(dBμV/m)
5250~5350 MHz	技術規範 5.7.4.1 節		
5470~5725 MHz	技術規範 5.7.4.1 節		
5725~5850 MHz	技術規範 5.7.4.2 節	PK:-27 (dBm/MHz) ^{*1} PK:10 (dBm/MHz) ^{*2} PK:15.6 (dBm/MHz) ^{*3} PK:27 (dBm/MHz) ^{*4}	PK: 68.2(dBμV/m) ^{*1} PK:105.2 (dBμV/m) ^{*2} PK: 110.8(dBμV/m) ^{*3} PK:122.2 (dBμV/m) ^{*4}
^{*1} beyond 75 MHz or more above of the band edge. ^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.		^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above. ^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.	

Note:

有效等向輻射功率限制值轉換場強之公式如下：

$$E=(30PG)^{1/2}/d$$

E: 以最寬解析頻寬所測得之最大場強值，單位:V/m。

G: 發射天線相對於全向性輻射器之數值增益。

d: 測試場強的距離，單位: m。

P: 求得之功率，單位:W。

9.6 量測結果

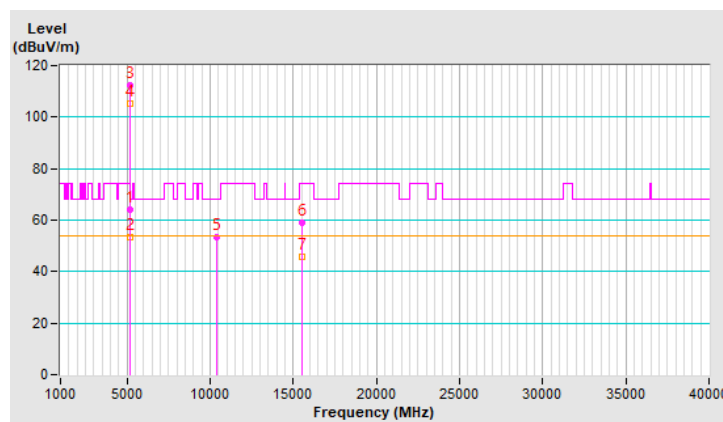
9.6.1 發射諧波

操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 36 : 5180 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.3 PK	74.0	-9.7	2.37 H	188	60.1	4.2
2	5150.00	53.6 AV	54.0	-0.4	2.37 H	188	49.4	4.2
3	*5180.00	112.5 PK			2.37 H	188	108.4	4.1
4	*5180.00	105.3 AV			2.37 H	188	101.2	4.1
5	#10360.00	53.3 PK	68.2	-14.9	1.30 H	259	40.1	13.2
6	15540.00	59.1 PK	74.0	-14.9	2.44 H	22	45.4	13.7
7	15540.00	45.7 AV	54.0	-8.3	2.44 H	22	32.0	13.7
8	20720.00	-	-	-	-	-	-	-
9	#25900.00	-	-	-	-	-	-	-
10	#31080.00	-	-	-	-	-	-	-
11	#36260.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

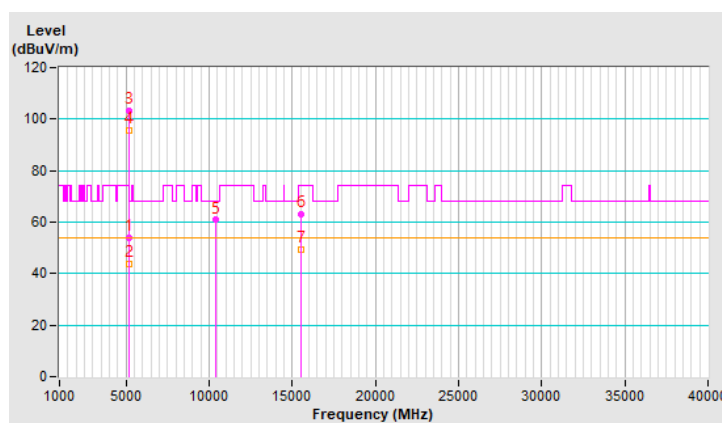


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	54.1 PK	74.0	-19.9	1.38 V	215	49.9	4.2
2	5150.00	43.6 AV	54.0	-10.4	1.38 V	215	39.4	4.2
3	*5180.00	103.1 PK			1.38 V	215	99.0	4.1
4	*5180.00	95.5 AV			1.38 V	215	91.4	4.1
5	#10360.00	60.8 PK	68.2	-7.4	1.06 V	348	47.6	13.2
6	15540.00	63.0 PK	74.0	-11.0	3.73 V	360	49.3	13.7
7	15540.00	49.2 AV	54.0	-4.8	3.73 V	360	35.5	13.7
8	20720.00	-	-	-	-	-	-	-
9	#25900.00	-	-	-	-	-	-	-
10	#31080.00	-	-	-	-	-	-	-
11	#36260.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

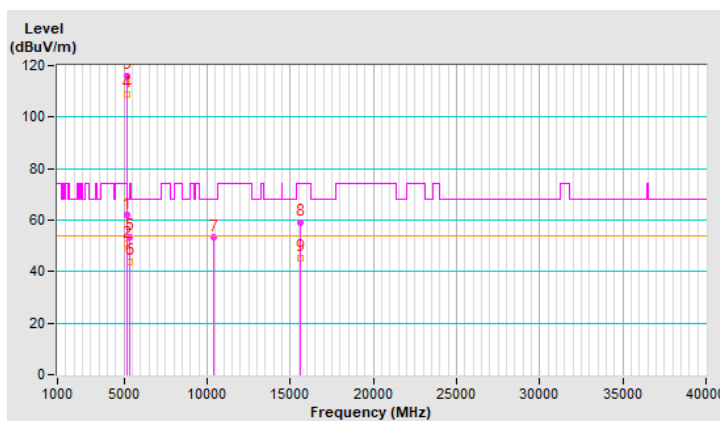


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0℃	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.8 PK	74.0	-12.2	2.34 H	188	57.6	4.2
2	5150.00	50.6 AV	54.0	-3.4	2.34 H	188	46.4	4.2
3	*5200.00	115.9 PK			2.34 H	188	112.0	3.9
4	*5200.00	108.7 AV			2.34 H	188	104.8	3.9
5	5350.00	53.5 PK	74.0	-20.5	2.34 H	188	49.8	3.7
6	5350.00	43.7 AV	54.0	-10.3	2.34 H	188	40.0	3.7
7	#10400.00	53.2 PK	68.2	-15.0	1.29 H	272	40.0	13.2
8	15600.00	59.2 PK	74.0	-14.8	2.42 H	10	45.2	14.0
9	15600.00	45.5 AV	54.0	-8.5	2.42 H	10	31.5	14.0
10	20800.00	-	-	-	-	-	-	-
11	#26000.00	-	-	-	-	-	-	-
12	31200.00	-	-	-	-	-	-	-
13	#36400.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

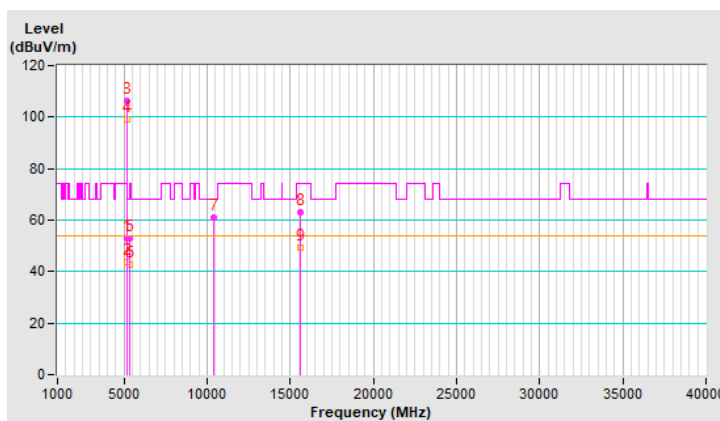


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0℃	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.0 PK	74.0	-21.0	1.38 V	215	48.8	4.2
2	5150.00	43.7 AV	54.0	-10.3	1.38 V	215	39.5	4.2
3	*5200.00	106.3 PK			1.38 V	215	102.4	3.9
4	*5200.00	99.3 AV			1.38 V	215	95.4	3.9
5	5350.00	52.9 PK	74.0	-21.1	1.38 V	215	49.2	3.7
6	5350.00	42.9 AV	54.0	-11.1	1.38 V	215	39.2	3.7
7	#10400.00	61.1 PK	68.2	-7.1	1.01 V	356	47.9	13.2
8	15600.00	63.3 PK	74.0	-10.7	3.76 V	356	49.3	14.0
9	15600.00	49.3 AV	54.0	-4.7	3.76 V	356	35.3	14.0
10	20800.00	-	-	-	-	-	-	-
11	#26000.00	-	-	-	-	-	-	-
12	31200.00	-	-	-	-	-	-	-
13	#36400.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

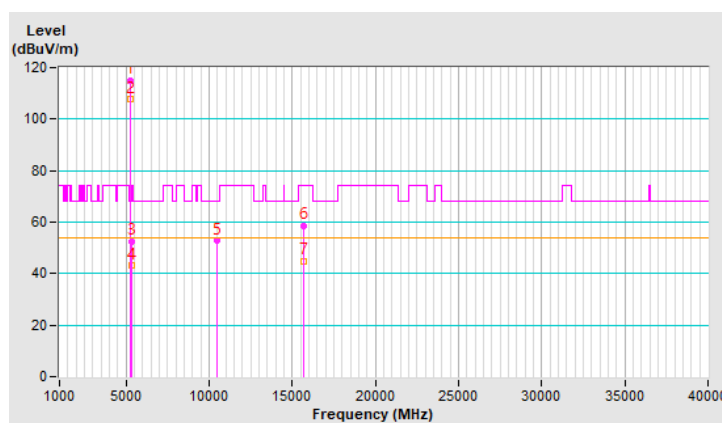


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0℃	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	114.9 PK			2.45 H	188	111.0	3.9
2	*5240.00	107.5 AV			2.45 H	188	103.6	3.9
3	5350.00	52.6 PK	74.0	-21.4	2.45 H	188	48.9	3.7
4	5350.00	43.0 AV	54.0	-11.0	2.45 H	188	39.3	3.7
5	#10480.00	52.7 PK	68.2	-15.5	1.34 H	277	39.2	13.5
6	15720.00	58.7 PK	74.0	-15.3	2.39 H	13	44.2	14.5
7	15720.00	45.0 AV	54.0	-9.0	2.39 H	13	30.5	14.5
8	20960.00	-	-	-	-	-	-	-
9	#26200.00	-	-	-	-	-	-	-
10	31440.00	-	-	-	-	-	-	-
11	#36680.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

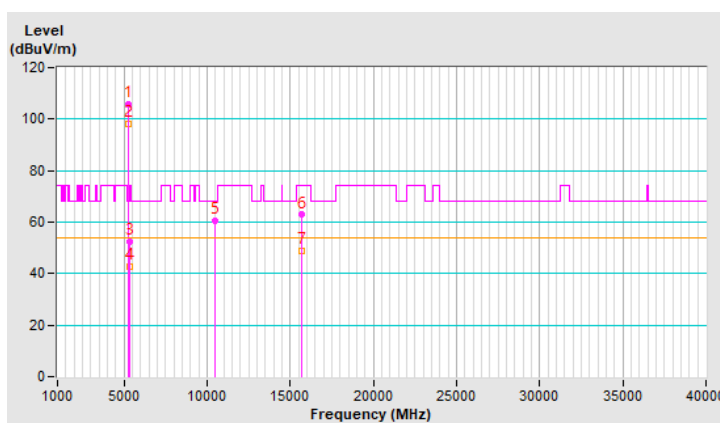


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0℃	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	105.8 PK			1.38 V	215	101.9	3.9
2	*5240.00	98.2 AV			1.38 V	215	94.3	3.9
3	5350.00	52.3 PK	74.0	-21.7	1.38 V	215	48.6	3.7
4	5350.00	42.7 AV	54.0	-11.3	1.38 V	215	39.0	3.7
5	#10480.00	60.6 PK	68.2	-7.6	1.03 V	360	47.1	13.5
6	15720.00	62.8 PK	74.0	-11.2	3.76 V	360	48.3	14.5
7	15720.00	48.9 AV	54.0	-5.1	3.76 V	360	34.4	14.5
8	20960.00	-	-	-	-	-	-	-
9	#26200.00	-	-	-	-	-	-	-
10	31440.00	-	-	-	-	-	-	-
11	#36680.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

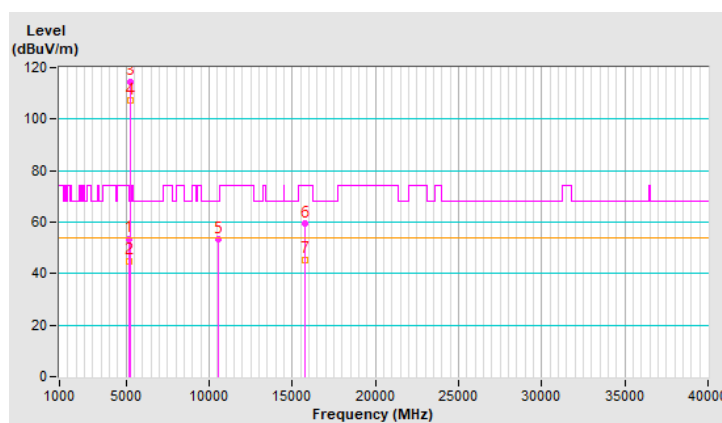


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 52：5260 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0℃	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.5 PK	74.0	-20.5	1.59 H	147	49.3	4.2
2	5150.00	44.8 AV	54.0	-9.2	1.59 H	147	40.6	4.2
3	*5260.00	114.5 PK			1.59 H	147	110.7	3.8
4	*5260.00	107.1 AV			1.59 H	147	103.3	3.8
5	#10520.00	53.2 PK	68.2	-15.0	1.25 H	268	39.8	13.4
6	15780.00	59.3 PK	74.0	-14.7	2.44 H	6	45.1	14.2
7	15780.00	45.4 AV	54.0	-8.6	2.44 H	6	31.2	14.2
8	21040.00	-	-	-	-	-	-	-
9	#26300.00	-	-	-	-	-	-	-
10	31560.00	-	-	-	-	-	-	-
11	#36820.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

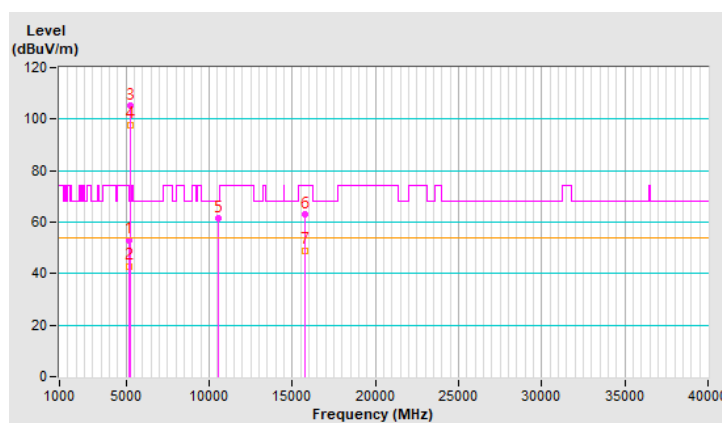


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 52：5260 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0℃	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.9 PK	74.0	-21.1	1.38 V	215	48.7	4.2
2	5150.00	42.9 AV	54.0	-11.1	1.38 V	215	38.7	4.2
3	*5260.00	105.0 PK			1.38 V	215	101.2	3.8
4	*5260.00	97.8 AV			1.38 V	215	94.0	3.8
5	#10520.00	61.3 PK	68.2	-6.9	1.06 V	358	47.9	13.4
6	15780.00	62.8 PK	74.0	-11.2	3.72 V	360	48.6	14.2
7	15780.00	48.9 AV	54.0	-5.1	3.72 V	360	34.7	14.2
8	21040.00	-	-	-	-	-	-	-
9	#26300.00	-	-	-	-	-	-	-
10	31560.00	-	-	-	-	-	-	-
11	#36820.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

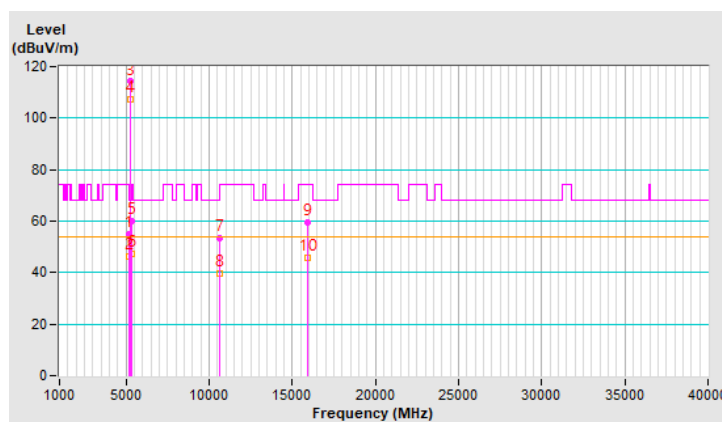


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 60：5300 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	55.0 PK	74.0	-19.0	1.59 H	142	50.8	4.2
2	5150.00	46.5 AV	54.0	-7.5	1.59 H	142	42.3	4.2
3	*5300.00	114.2 PK			1.59 H	142	110.5	3.7
4	*5300.00	107.5 AV			1.59 H	142	103.8	3.7
5	5350.00	60.1 PK	74.0	-13.9	1.59 H	142	56.4	3.7
6	5350.00	47.5 AV	54.0	-6.5	1.59 H	142	43.8	3.7
7	10600.00	53.3 PK	74.0	-20.7	1.29 H	277	39.9	13.4
8	10600.00	39.9 AV	54.0	-14.1	1.29 H	277	26.5	13.4
9	15900.00	59.6 PK	74.0	-14.4	2.40 H	11	46.1	13.5
10	15900.00	46.0 AV	54.0	-8.0	2.40 H	11	32.5	13.5
11	21200.00	-	-	-	-	-	-	-
12	#26500.00	-	-	-	-	-	-	-
13	31800.00	-	-	-	-	-	-	-
14	#37100.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

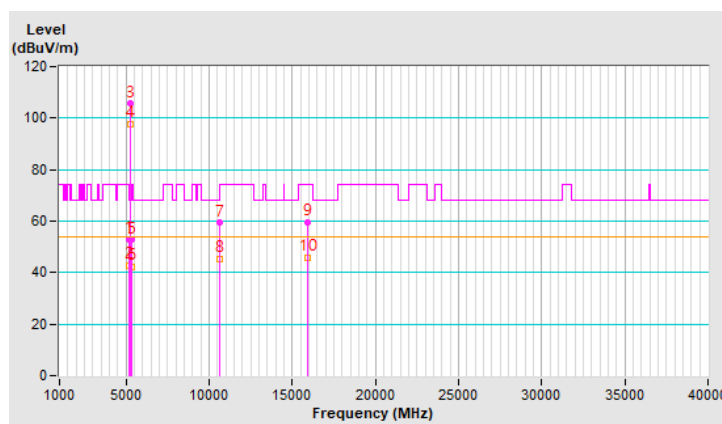


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 60：5300 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.8 PK	74.0	-21.2	1.38 V	215	48.6	4.2
2	5150.00	42.9 AV	54.0	-11.1	1.38 V	215	38.7	4.2
3	*5300.00	105.5 PK			1.38 V	215	101.8	3.7
4	*5300.00	97.7 AV			1.38 V	215	94.0	3.7
5	5350.00	52.6 PK	74.0	-21.4	1.38 V	215	48.9	3.7
6	5350.00	42.2 AV	54.0	-11.8	1.38 V	215	38.5	3.7
7	10600.00	59.3 PK	74.0	-14.7	1.01 V	10	45.9	13.4
8	10600.00	45.2 AV	54.0	-8.8	1.01 V	10	31.8	13.4
9	15900.00	59.5 PK	74.0	-14.5	2.40 V	358	46.0	13.5
10	15900.00	45.7 AV	54.0	-8.3	2.40 V	358	32.2	13.5
11	21200.00	-	-	-	-	-	-	-
12	#26500.00	-	-	-	-	-	-	-
13	31800.00	-	-	-	-	-	-	-
14	#37100.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

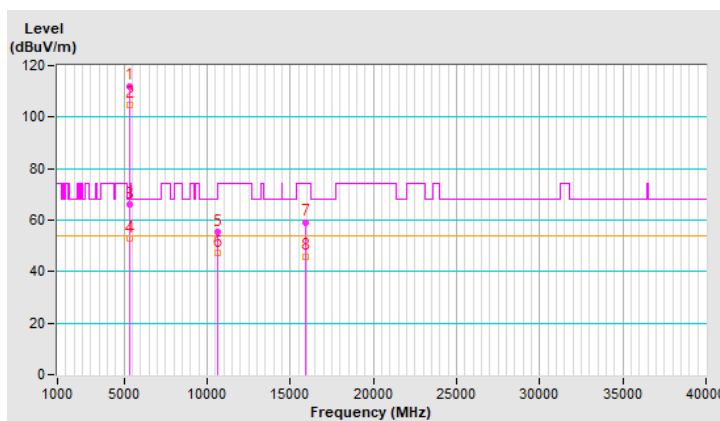


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 64：5320 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	111.9 PK			1.70 H	141	108.1	3.8
2	*5320.00	104.6 AV			1.70 H	141	100.8	3.8
3	5350.00	65.8 PK	74.0	-8.2	1.70 H	141	62.1	3.7
4	5350.00	52.7 AV	54.0	-1.3	1.70 H	141	49.0	3.7
5	10640.00	55.2 PK	74.0	-18.8	1.54 H	172	41.7	13.5
6	10640.00	47.1 AV	54.0	-6.9	1.54 H	172	33.6	13.5
7	15960.00	58.9 PK	74.0	-15.1	2.33 H	16	45.4	13.5
8	15960.00	45.8 AV	54.0	-8.2	2.33 H	16	32.3	13.5
9	21280.00	-	-	-	-	-	-	-
10	#26600.00	-	-	-	-	-	-	-
11	#31920.00	-	-	-	-	-	-	-
12	#37240.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

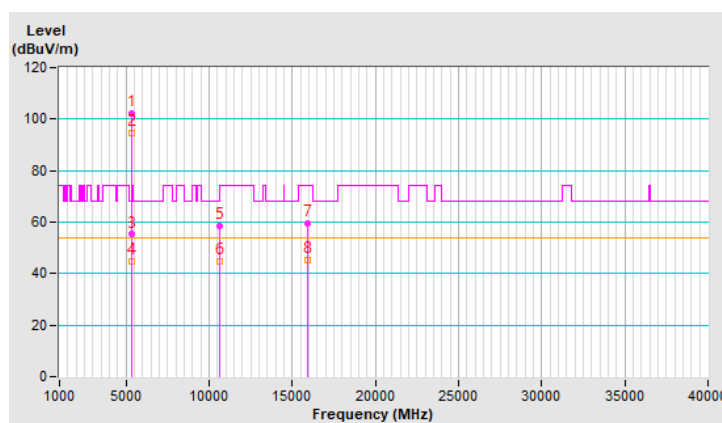


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 64：5320 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	102.1 PK			1.38 V	215	98.3	3.8
2	*5320.00	94.7 AV			1.38 V	215	90.9	3.8
3	5350.00	55.2 PK	74.0	-18.8	1.38 V	215	51.5	3.7
4	5350.00	45.0 AV	54.0	-9.0	1.38 V	215	41.3	3.7
5	10640.00	58.7 PK	74.0	-15.3	1.05 V	12	45.2	13.5
6	10640.00	44.8 AV	54.0	-9.2	1.05 V	12	31.3	13.5
7	15960.00	59.4 PK	74.0	-14.6	2.34 V	354	45.9	13.5
8	15960.00	45.4 AV	54.0	-8.6	2.34 V	354	31.9	13.5
9	21280.00	-	-	-	-	-	-	-
10	#26600.00	-	-	-	-	-	-	-
11	#31920.00	-	-	-	-	-	-	-
12	#37240.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

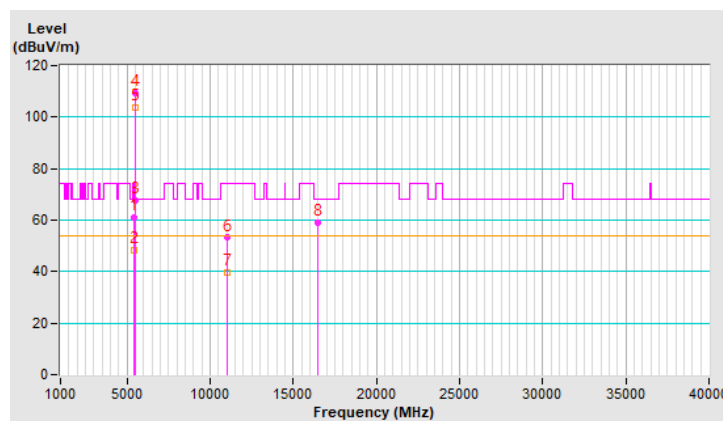


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 100 : 5500 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.2 PK	74.0	-12.8	1.36 H	257	57.1	4.1
2	5460.00	48.4 AV	54.0	-5.6	1.36 H	257	44.3	4.1
3	#5470.00	67.8 PK	68.2	-0.4	1.36 H	257	63.6	4.2
4	*5500.00	109.2 PK			1.36 H	257	105.0	4.2
5	*5500.00	103.9 AV			1.36 H	257	99.7	4.2
6	11000.00	53.2 PK	74.0	-20.8	1.28 H	279	39.7	13.5
7	11000.00	39.8 AV	54.0	-14.2	1.28 H	279	26.3	13.5
8	#16500.00	58.9 PK	68.2	-9.3	2.43 H	21	43.8	15.1
9	#22000.00	-	-	-	-	-	-	-
10	#27500.00	-	-	-	-	-	-	-
11	#33000.00	-	-	-	-	-	-	-
12	#38500.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

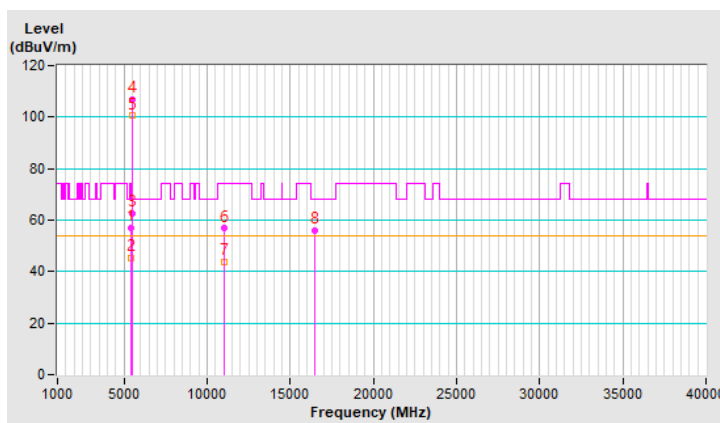


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 100 : 5500 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	56.8 PK	74.0	-17.2	2.42 V	319	52.7	4.1
2	5460.00	45.5 AV	54.0	-8.5	2.42 V	319	41.4	4.1
3	#5470.00	62.4 PK	68.2	-5.8	2.42 V	319	58.2	4.2
4	*5500.00	106.9 PK			2.42 V	319	102.7	4.2
5	*5500.00	100.5 AV			2.42 V	319	96.3	4.2
6	11000.00	56.7 PK	74.0	-17.3	1.03 V	18	43.2	13.5
7	11000.00	43.9 AV	54.0	-10.1	1.03 V	18	30.4	13.5
8	#16500.00	56.0 PK	68.2	-12.2	1.01 V	346	40.9	15.1
9	#22000.00	-	-	-	-	-	-	-
10	#27500.00	-	-	-	-	-	-	-
11	#33000.00	-	-	-	-	-	-	-
12	#38500.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

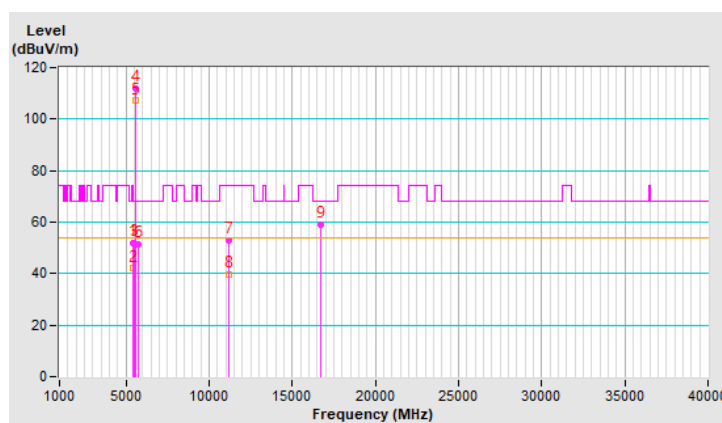


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 116 : 5580 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	52.1 PK	74.0	-21.9	1.49 H	257	48.0	4.1
2	5460.00	42.0 AV	54.0	-12.0	1.49 H	257	37.9	4.1
3	#5470.00	51.7 PK	68.2	-16.5	1.49 H	257	47.5	4.2
4	*5580.00	112.1 PK			1.49 H	257	107.8	4.3
5	*5580.00	107.1 AV			1.49 H	257	102.8	4.3
6	#5725.00	51.3 PK	68.2	-16.9	1.49 H	257	46.9	4.4
7	11160.00	53.0 PK	74.0	-21.0	1.28 H	285	39.4	13.6
8	11160.00	39.8 AV	54.0	-14.2	1.28 H	285	26.2	13.6
9	#16740.00	59.2 PK	68.2	-9.0	2.41 H	9	42.6	16.6
10	22320.00	-	-	-	-	-	-	-
11	#27900.00	-	-	-	-	-	-	-
12	#33480.00	-	-	-	-	-	-	-
13	39060.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

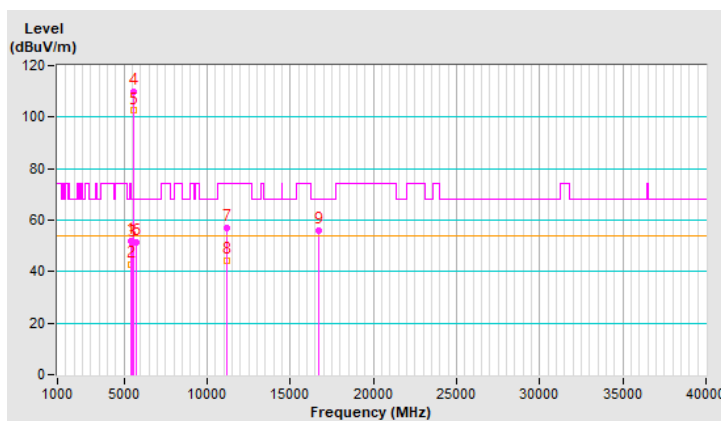


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 116 : 5580 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	52.0 PK	74.0	-22.0	2.42 V	319	47.9	4.1
2	5460.00	42.7 AV	54.0	-11.3	2.42 V	319	38.6	4.1
3	#5470.00	50.8 PK	68.2	-17.4	2.42 V	319	46.6	4.2
4	*5580.00	109.7 PK			2.42 V	319	105.4	4.3
5	*5580.00	102.5 AV			2.42 V	319	98.2	4.3
6	#5725.00	51.2 PK	68.2	-17.0	2.42 V	319	46.8	4.4
7	11160.00	56.9 PK	74.0	-17.1	1.02 V	9	43.3	13.6
8	11160.00	44.3 AV	54.0	-9.7	1.02 V	9	30.7	13.6
9	#16740.00	56.1 PK	68.2	-12.1	1.00 V	357	39.5	16.6
10	22320.00	-	-	-	-	-	-	-
11	#27900.00	-	-	-	-	-	-	-
12	#33480.00	-	-	-	-	-	-	-
13	39060.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

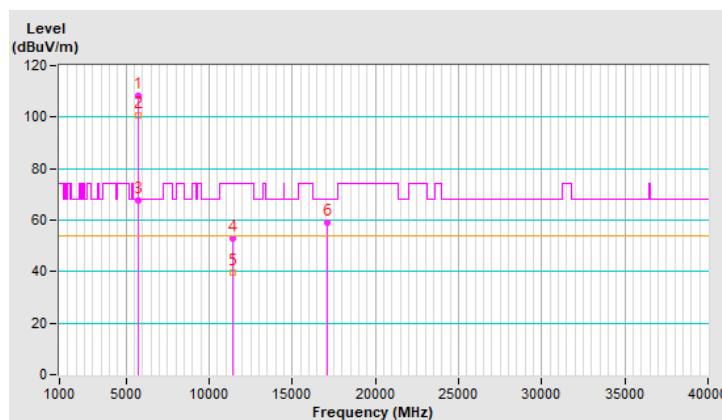


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 140 : 5700 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	108.5 PK			1.28 H	257	104.2	4.3
2	*5700.00	100.8 AV			1.28 H	257	96.5	4.3
3	#5725.00	67.7 PK	68.2	-0.5	1.28 H	257	63.3	4.4
4	11400.00	53.1 PK	74.0	-20.9	1.30 H	270	39.5	13.6
5	11400.00	39.7 AV	54.0	-14.3	1.30 H	270	26.1	13.6
6	#17100.00	58.9 PK	68.2	-9.3	2.37 H	26	41.1	17.8
7	22800.00	-	-	-	-	-	-	-
8	#28500.00	-	-	-	-	-	-	-
9	#34200.00	-	-	-	-	-	-	-
10	39900.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

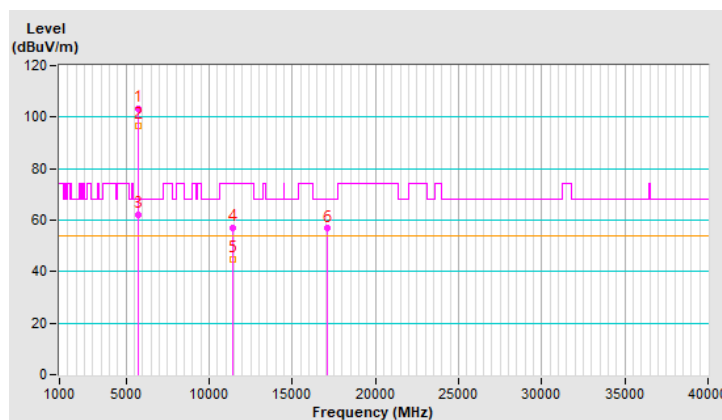


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 140 : 5700 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	103.2 PK			2.47 V	319	98.9	4.3
2	*5700.00	96.8 AV			2.47 V	319	92.5	4.3
3	#5725.00	62.3 PK	68.2	-5.9	2.47 V	319	57.9	4.4
4	11400.00	57.1 PK	74.0	-16.9	1.03 V	13	43.5	13.6
5	11400.00	44.7 AV	54.0	-9.3	1.03 V	13	31.1	13.6
6	#17100.00	56.7 PK	68.2	-11.5	1.02 V	360	38.9	17.8
7	22800.00	-	-	-	-	-	-	-
8	#28500.00	-	-	-	-	-	-	-
9	#34200.00	-	-	-	-	-	-	-
10	39900.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

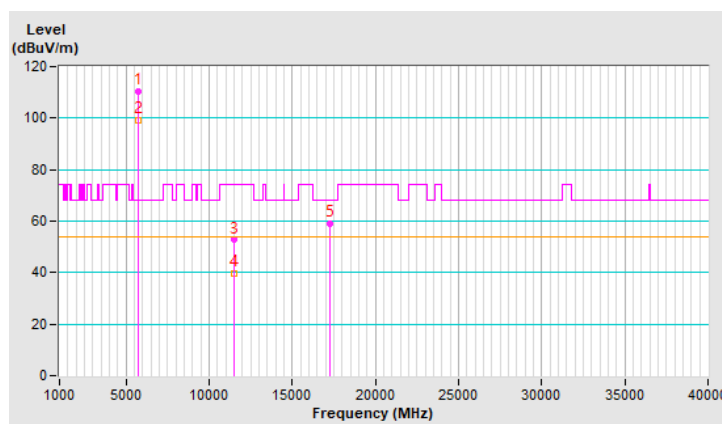


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5745.00	110.4 PK			1.00 H	178	106.0	4.4
2	*5745.00	99.3 AV			1.00 H	178	94.9	4.4
3	11490.00	52.7 PK	74.0	-21.3	1.24 H	277	38.8	13.9
4	11490.00	39.5 AV	54.0	-14.5	1.24 H	277	25.6	13.9
5	#17235.00	58.9 PK	68.2	-9.3	2.46 H	13	40.6	18.3
6	22980.00	-	-	-	-	-	-	-
7	#28725.00	-	-	-	-	-	-	-
8	#34470.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

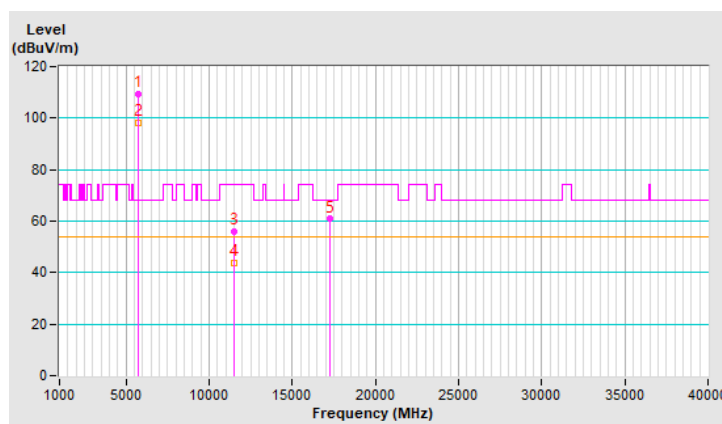


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5745.00	109.4 PK			1.04 V	75	105.0	4.4
2	*5745.00	98.0 AV			1.04 V	75	93.6	4.4
3	11490.00	55.8 PK	74.0	-18.2	1.08 V	359	41.9	13.9
4	11490.00	43.8 AV	54.0	-10.2	1.08 V	359	29.9	13.9
5	#17235.00	60.8 PK	68.2	-7.4	3.04 V	5	42.5	18.3
6	22980.00	-	-	-	-	-	-	-
7	#28725.00	-	-	-	-	-	-	-
8	#34470.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

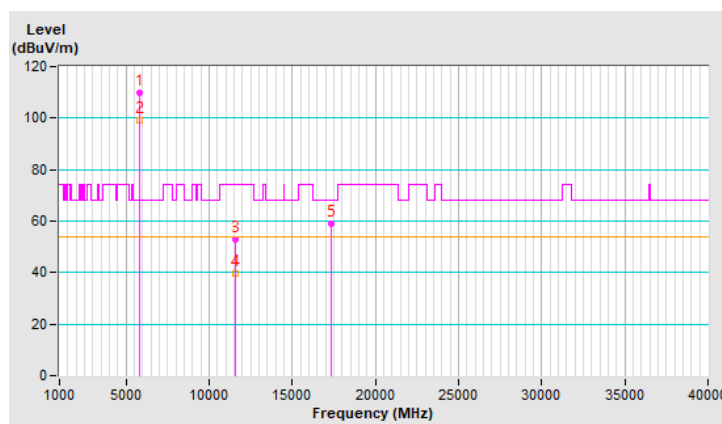


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5785.00	109.8 PK			1.08 H	176	105.3	4.5
2	*5785.00	99.2 AV			1.08 H	176	94.7	4.5
3	11570.00	52.8 PK	74.0	-21.2	1.28 H	276	38.9	13.9
4	11570.00	39.5 AV	54.0	-14.5	1.28 H	276	25.6	13.9
5	#17355.00	59.0 PK	68.2	-9.2	2.41 H	13	40.8	18.2
6	#23140.00	-	-	-	-	-	-	-
7	#28925.00	-	-	-	-	-	-	-
8	#34710.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

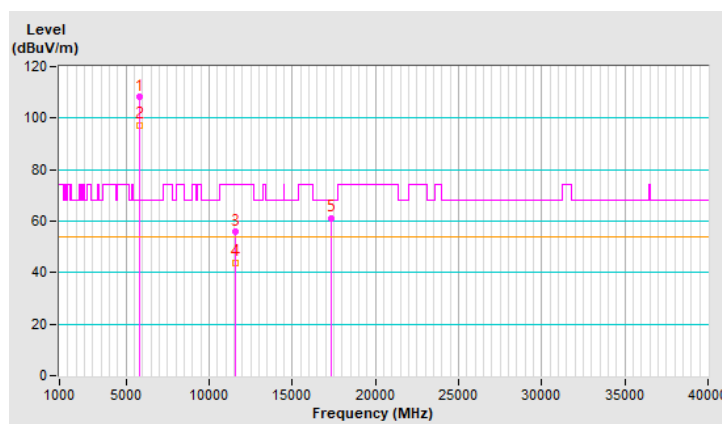


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5785.00	108.1 PK			1.10 V	72	103.6	4.5
2	*5785.00	97.0 AV			1.10 V	72	92.5	4.5
3	11570.00	55.7 PK	74.0	-18.3	1.06 V	344	41.8	13.9
4	11570.00	43.6 AV	54.0	-10.4	1.06 V	344	29.7	13.9
5	#17355.00	61.0 PK	68.2	-7.2	3.05 V	21	42.8	18.2
6	#23140.00	-	-	-	-	-	-	-
7	#28925.00	-	-	-	-	-	-	-
8	#34710.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

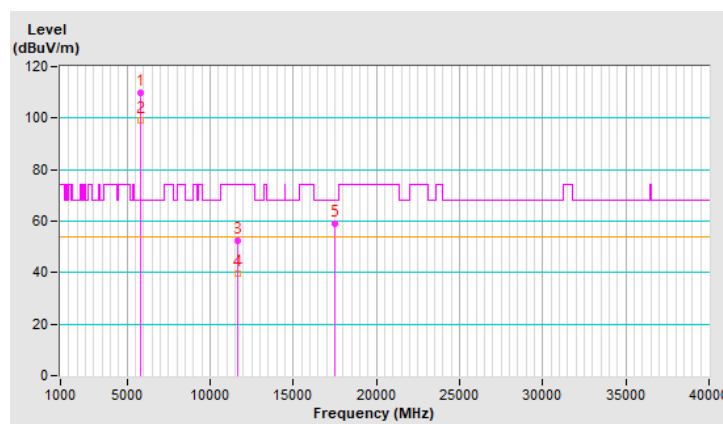


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5825.00	109.7 PK			1.08 H	177	105.0	4.7
2	*5825.00	99.0 AV			1.08 H	177	94.3	4.7
3	11650.00	52.6 PK	74.0	-21.4	1.34 H	270	38.6	14.0
4	11650.00	39.5 AV	54.0	-14.5	1.34 H	270	25.5	14.0
5	#17475.00	59.2 PK	68.2	-9.0	2.39 H	25	40.4	18.8
6	#23300.00	-	-	-	-	-	-	-
7	#29125.00	-	-	-	-	-	-	-
8	#34950.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

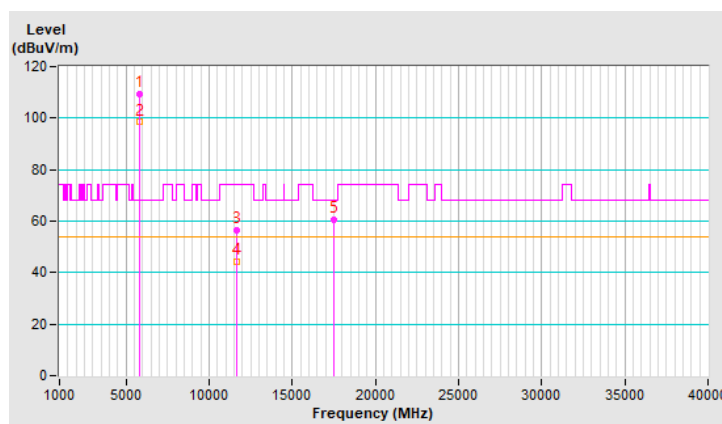


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5825.00	109.5 PK			1.10 V	67	104.8	4.7
2	*5825.00	98.4 AV			1.10 V	67	93.7	4.7
3	11650.00	56.3 PK	74.0	-17.7	1.10 V	360	42.3	14.0
4	11650.00	44.3 AV	54.0	-9.7	1.10 V	360	30.3	14.0
5	#17475.00	60.6 PK	68.2	-7.6	3.04 V	19	41.8	18.8
6	#23300.00	-	-	-	-	-	-	-
7	#29125.00	-	-	-	-	-	-	-
8	#34950.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

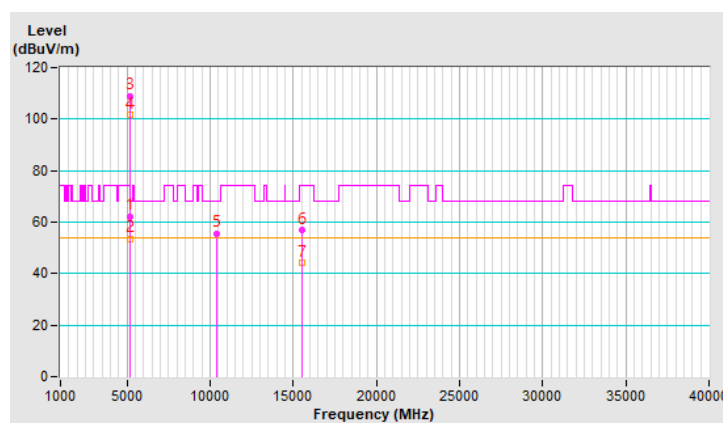


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 36 : 5180 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.0 PK	74.0	-12.0	1.00 H	153	57.8	4.2
2	5150.00	53.6 AV	54.0	-0.4	1.00 H	153	49.4	4.2
3	*5180.00	108.7 PK			1.00 H	153	104.6	4.1
4	*5180.00	101.5 AV			1.00 H	153	97.4	4.1
5	#10360.00	55.3 PK	68.2	-12.9	1.17 H	45	42.1	13.2
6	15540.00	56.7 PK	74.0	-17.3	1.03 H	316	43.0	13.7
7	15540.00	44.0 AV	54.0	-10.0	1.03 H	316	30.3	13.7
8	20720.00	-	-	-	-	-	-	-
9	#25900.00	-	-	-	-	-	-	-
10	#31080.00	-	-	-	-	-	-	-
11	#36260.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

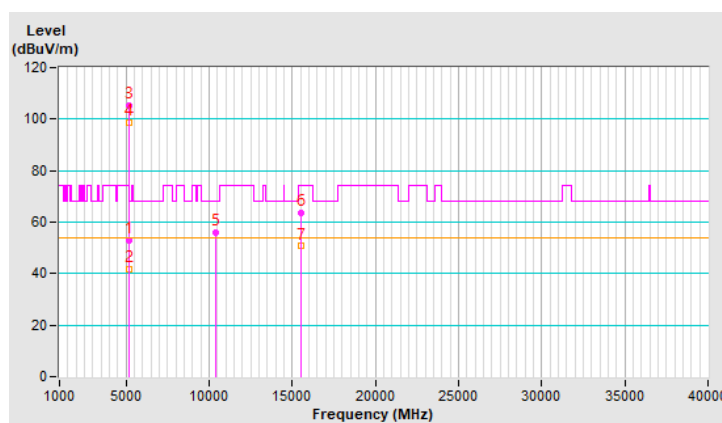


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 36 : 5180 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.9 PK	74.0	-21.1	1.00 V	42	48.7	4.2
2	5150.00	41.7 AV	54.0	-12.3	1.00 V	42	37.5	4.2
3	*5180.00	105.4 PK			1.05 V	99	101.3	4.1
4	*5180.00	98.6 AV			1.05 V	99	94.5	4.1
5	#10360.00	55.9 PK	68.2	-12.3	1.00 V	241	42.7	13.2
6	15540.00	63.8 PK	74.0	-10.2	1.23 V	328	50.1	13.7
7	15540.00	50.6 AV	54.0	-3.4	1.23 V	328	36.9	13.7
8	20720.00	-	-	-	-	-	-	-
9	#25900.00	-	-	-	-	-	-	-
10	#31080.00	-	-	-	-	-	-	-
11	#36260.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

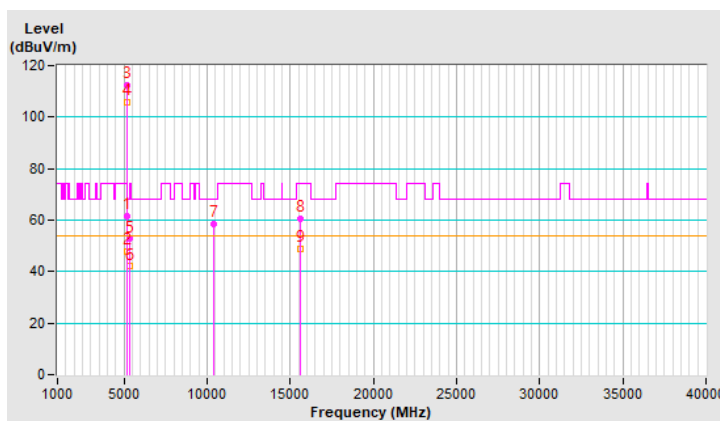


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 40 : 5200 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.5 PK	74.0	-12.5	1.00 H	153	57.3	4.2
2	5150.00	47.9 AV	54.0	-6.1	1.00 H	153	43.7	4.2
3	*5200.00	112.6 PK			1.00 H	153	108.7	3.9
4	*5200.00	105.6 AV			1.00 H	153	101.7	3.9
5	5350.00	52.7 PK	74.0	-21.3	1.00 H	153	49.0	3.7
6	5350.00	42.0 AV	54.0	-12.0	1.00 H	153	38.3	3.7
7	#10400.00	58.7 PK	68.2	-9.5	1.05 H	12	45.5	13.2
8	15600.00	60.7 PK	74.0	-13.3	1.18 H	74	46.7	14.0
9	15600.00	49.0 AV	54.0	-5.0	1.18 H	74	35.0	14.0
10	20800.00	-	-	-	-	-	-	-
11	#26000.00	-	-	-	-	-	-	-
12	31200.00	-	-	-	-	-	-	-
13	#36400.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

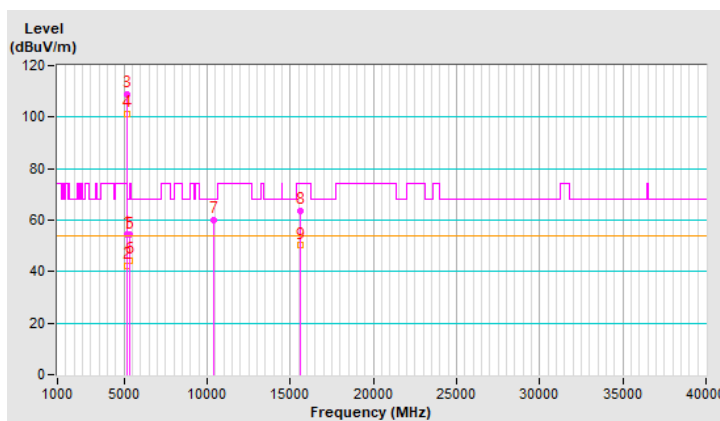


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 40 : 5200 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	54.4 PK	74.0	-19.6	2.00 V	230	50.2	4.2
2	5150.00	42.5 AV	54.0	-11.5	2.00 V	230	38.3	4.2
3	*5200.00	108.7 PK			2.00 V	230	104.8	3.9
4	*5200.00	101.1 AV			2.00 V	230	97.2	3.9
5	5350.00	54.2 PK	74.0	-19.8	2.00 V	230	50.5	3.7
6	5350.00	44.5 AV	54.0	-9.5	2.00 V	230	40.8	3.7
7	#10400.00	60.1 PK	68.2	-8.1	1.14 V	174	46.9	13.2
8	15600.00	63.5 PK	74.0	-10.5	1.18 V	314	49.5	14.0
9	15600.00	50.1 AV	54.0	-3.9	1.18 V	314	36.1	14.0
10	20800.00	-	-	-	-	-	-	-
11	#26000.00	-	-	-	-	-	-	-
12	31200.00	-	-	-	-	-	-	-
13	#36400.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

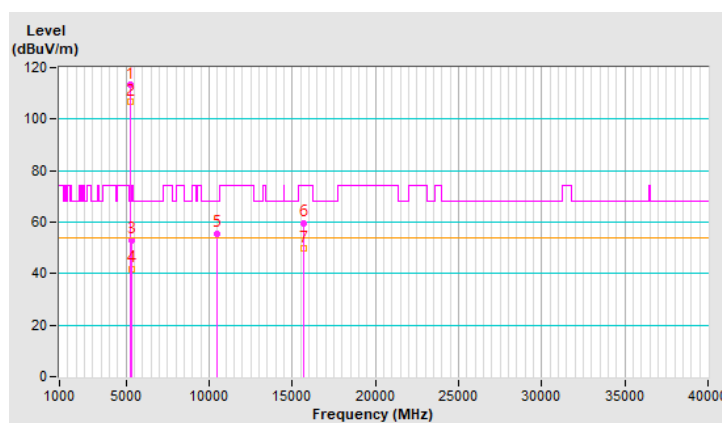


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 48 : 5240 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	113.2 PK			1.00 H	153	109.3	3.9
2	*5240.00	106.6 AV			1.00 H	153	102.7	3.9
3	5350.00	52.9 PK	74.0	-21.1	1.00 H	153	49.2	3.7
4	5350.00	41.6 AV	54.0	-12.4	1.00 H	153	37.9	3.7
5	#10480.00	55.6 PK	68.2	-12.6	1.11 H	345	42.1	13.5
6	15720.00	59.4 PK	74.0	-14.6	1.24 H	185	44.9	14.5
7	15720.00	49.6 AV	54.0	-4.4	1.24 H	185	35.1	14.5
8	20960.00	-	-	-	-	-	-	-
9	#26200.00	-	-	-	-	-	-	-
10	31440.00	-	-	-	-	-	-	-
11	#36680.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

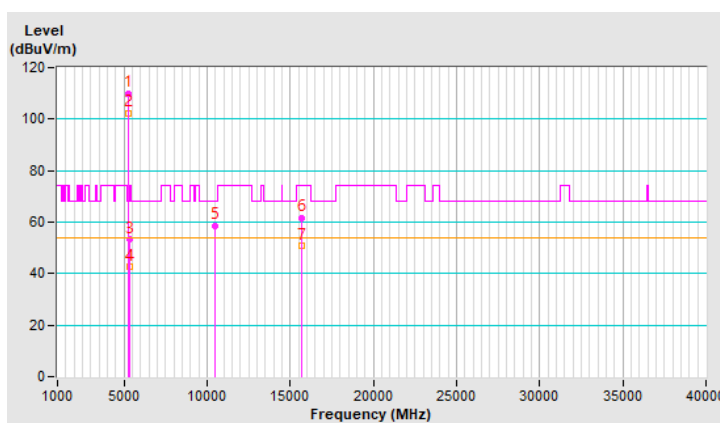


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 48 : 5240 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	109.8 PK			2.00 V	230	105.9	3.9
2	*5240.00	102.2 AV			2.00 V	230	98.3	3.9
3	5350.00	53.1 PK	74.0	-20.9	2.00 V	230	49.4	3.7
4	5350.00	42.5 AV	54.0	-11.5	2.00 V	230	38.8	3.7
5	#10480.00	58.7 PK	68.2	-9.5	1.00 V	231	45.2	13.5
6	15720.00	61.5 PK	74.0	-12.5	1.34 V	222	47.0	14.5
7	15720.00	50.6 AV	54.0	-3.4	1.34 V	222	36.1	14.5
8	20960.00	-	-	-	-	-	-	-
9	#26200.00	-	-	-	-	-	-	-
10	31440.00	-	-	-	-	-	-	-
11	#36680.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

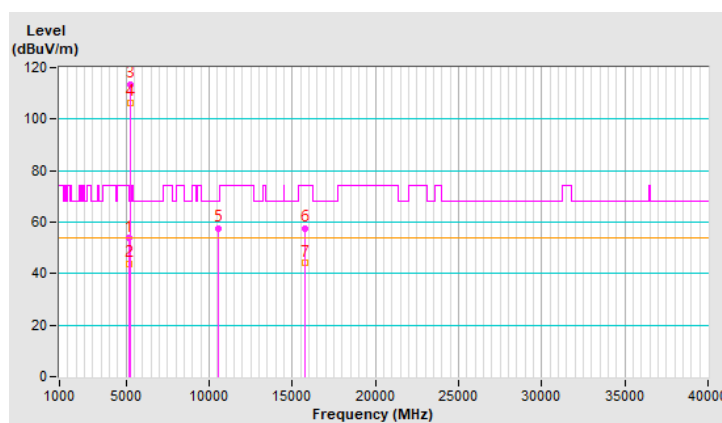


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 52 : 5260 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.6 PK	74.0	-20.4	2.15 H	142	49.4	4.2
2	5150.00	44.0 AV	54.0	-10.0	2.15 H	142	39.8	4.2
3	*5260.00	113.3 PK			2.15 H	142	109.5	3.8
4	*5260.00	106.5 AV			2.15 H	142	102.7	3.8
5	#10520.00	57.7 PK	68.2	-10.5	1.01 H	142	44.3	13.4
6	15780.00	57.3 PK	74.0	-16.7	1.07 H	315	43.1	14.2
7	15780.00	44.0 AV	54.0	-10.0	1.07 H	315	29.8	14.2
8	21040.00	-	-	-	-	-	-	-
9	#26300.00	-	-	-	-	-	-	-
10	31560.00	-	-	-	-	-	-	-
11	#36820.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

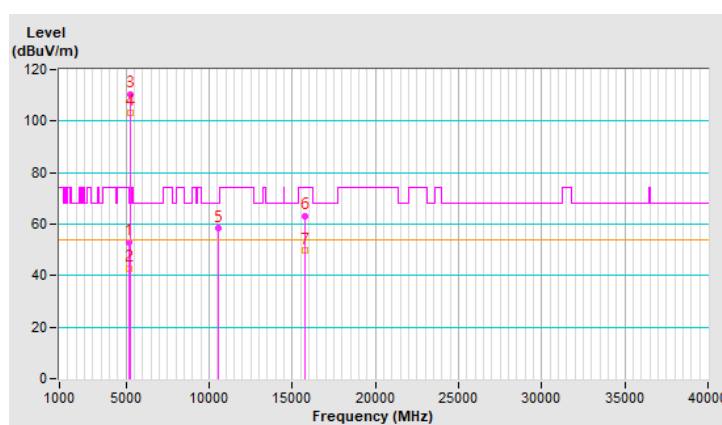


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 52 : 5260 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.8 PK	74.0	-21.2	2.02 V	224	48.6	4.2
2	5150.00	42.6 AV	54.0	-11.4	2.02 V	224	38.4	4.2
3	*5260.00	110.5 PK			2.02 V	224	106.7	3.8
4	*5260.00	103.4 AV			2.02 V	224	99.6	3.8
5	#10520.00	58.3 PK	68.2	-9.9	1.00 V	206	44.9	13.4
6	15780.00	63.3 PK	74.0	-10.7	1.33 V	213	49.1	14.2
7	15780.00	49.6 AV	54.0	-4.4	1.33 V	213	35.4	14.2
8	21040.00	-	-	-	-	-	-	-
9	#26300.00	-	-	-	-	-	-	-
10	31560.00	-	-	-	-	-	-	-
11	#36820.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

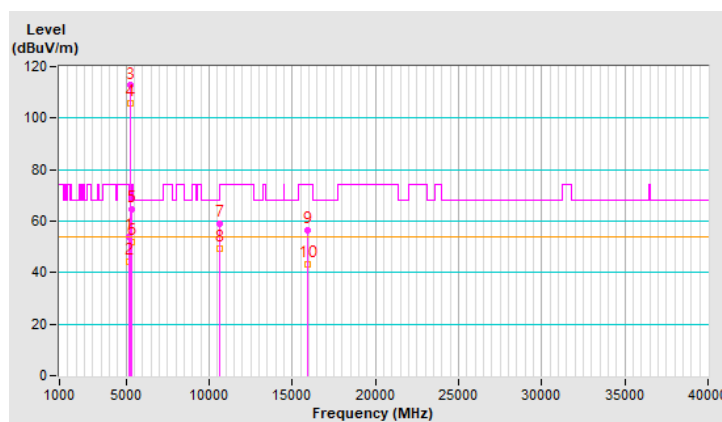


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 60 : 5300 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	54.0 PK	74.0	-20.0	2.15 H	142	49.8	4.2
2	5150.00	44.2 AV	54.0	-9.8	2.15 H	142	40.0	4.2
3	*5300.00	112.7 PK			2.15 H	142	109.0	3.7
4	*5300.00	105.6 AV			2.15 H	142	101.9	3.7
5	5350.00	64.5 PK	74.0	-9.5	2.15 H	142	60.8	3.7
6	5350.00	51.8 AV	54.0	-2.2	2.15 H	142	48.1	3.7
7	10600.00	59.0 PK	74.0	-15.0	1.24 H	144	45.6	13.4
8	10600.00	49.3 AV	54.0	-4.7	1.24 H	144	35.9	13.4
9	15900.00	56.4 PK	74.0	-17.6	1.02 H	338	42.9	13.5
10	15900.00	43.4 AV	54.0	-10.6	1.02 H	338	29.9	13.5
11	21200.00	-	-	-	-	-	-	-
12	#26500.00	-	-	-	-	-	-	-
13	31800.00	-	-	-	-	-	-	-
14	#37100.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

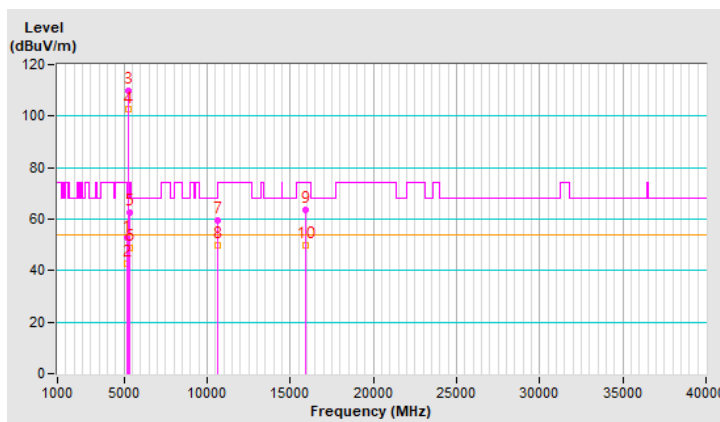


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 60 : 5300 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.7 PK	74.0	-21.3	2.02 V	224	48.5	4.2
2	5150.00	42.6 AV	54.0	-11.4	2.02 V	224	38.4	4.2
3	*5300.00	109.8 PK			2.02 V	224	106.1	3.7
4	*5300.00	102.5 AV			2.02 V	224	98.8	3.7
5	5350.00	62.6 PK	74.0	-11.4	2.02 V	224	58.9	3.7
6	5350.00	48.9 AV	54.0	-5.1	2.02 V	224	45.2	3.7
7	10600.00	59.5 PK	74.0	-14.5	1.00 V	264	46.1	13.4
8	10600.00	49.9 AV	54.0	-4.1	1.00 V	264	36.5	13.4
9	15900.00	63.6 PK	74.0	-10.4	1.20 V	302	50.1	13.5
10	15900.00	50.0 AV	54.0	-4.0	1.20 V	302	36.5	13.5
11	21200.00	-	-	-	-	-	-	-
12	#26500.00	-	-	-	-	-	-	-
13	31800.00	-	-	-	-	-	-	-
14	#37100.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

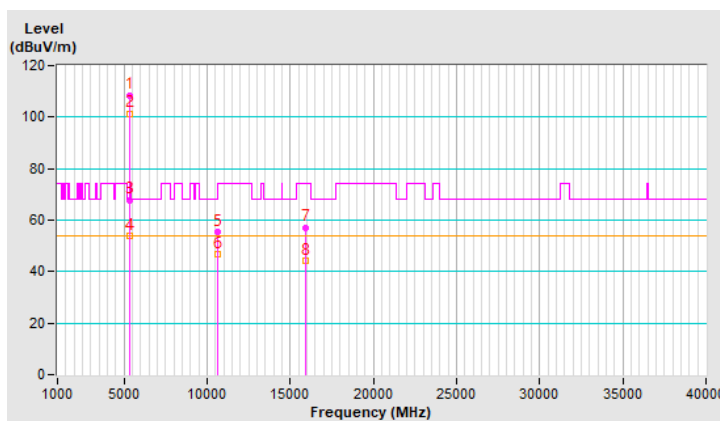


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 64：5320 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	108.5 PK			2.23 H	142	104.7	3.8
2	*5320.00	101.4 AV			2.23 H	142	97.6	3.8
3	5350.00	67.7 PK	74.0	-6.3	2.23 H	223	64.0	3.7
4	5350.00	53.7 AV	54.0	-0.3	2.23 H	223	50.0	3.7
5	10640.00	55.2 PK	74.0	-18.8	1.25 H	150	41.7	13.5
6	10640.00	46.5 AV	54.0	-7.5	1.25 H	150	33.0	13.5
7	15960.00	57.2 PK	74.0	-16.8	1.01 H	313	43.7	13.5
8	15960.00	44.0 AV	54.0	-10.0	1.01 H	313	30.5	13.5
9	21280.00	-	-	-	-	-	-	-
10	#26600.00	-	-	-	-	-	-	-
11	#31920.00	-	-	-	-	-	-	-
12	#37240.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

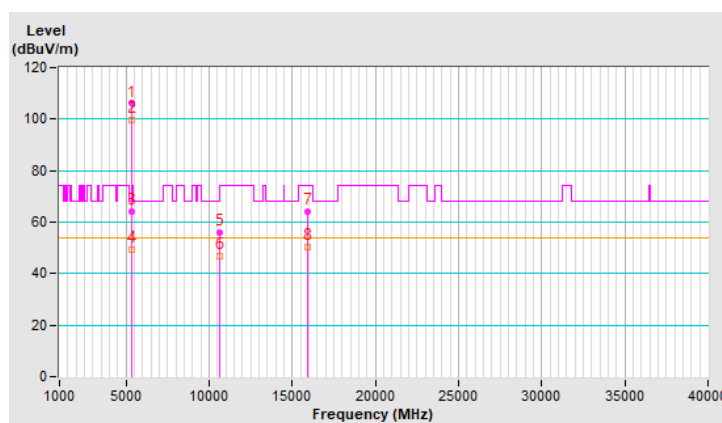


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 64：5320 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	106.1 PK			2.02 V	224	102.3	3.8
2	*5320.00	99.8 AV			2.02 V	224	96.0	3.8
3	5350.00	64.2 PK	74.0	-9.8	2.02 V	202	60.5	3.7
4	5350.00	49.4 AV	54.0	-4.6	2.02 V	202	45.7	3.7
5	10640.00	56.1 PK	74.0	-17.9	1.00 V	264	42.6	13.5
6	10640.00	47.0 AV	54.0	-7.0	1.00 V	264	33.5	13.5
7	15960.00	63.9 PK	74.0	-10.1	1.17 V	316	50.4	13.5
8	15960.00	50.5 AV	54.0	-3.5	1.17 V	316	37.0	13.5
9	21280.00	-	-	-	-	-	-	-
10	#26600.00	-	-	-	-	-	-	-
11	#31920.00	-	-	-	-	-	-	-
12	#37240.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

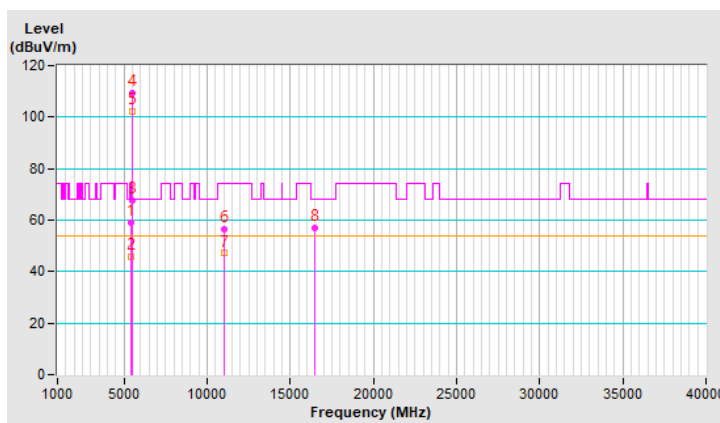


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 100 : 5500 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.2 PK	74.0	-14.8	1.93 H	127	55.1	4.1
2	5460.00	45.9 AV	54.0	-8.1	1.93 H	127	41.8	4.1
3	#5470.00	67.8 PK	68.2	-0.4	1.93 H	127	63.6	4.2
4	*5500.00	109.4 PK			1.93 H	127	105.2	4.2
5	*5500.00	102.2 AV			1.93 H	127	98.0	4.2
6	11000.00	56.4 PK	74.0	-17.6	1.33 H	321	42.9	13.5
7	11000.00	47.1 AV	54.0	-6.9	1.33 H	321	33.6	13.5
8	#16500.00	56.8 PK	68.2	-11.4	1.12 H	321	41.7	15.1
9	#22000.00	-	-	-	-	-	-	-
10	#27500.00	-	-	-	-	-	-	-
11	#33000.00	-	-	-	-	-	-	-
12	#38500.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

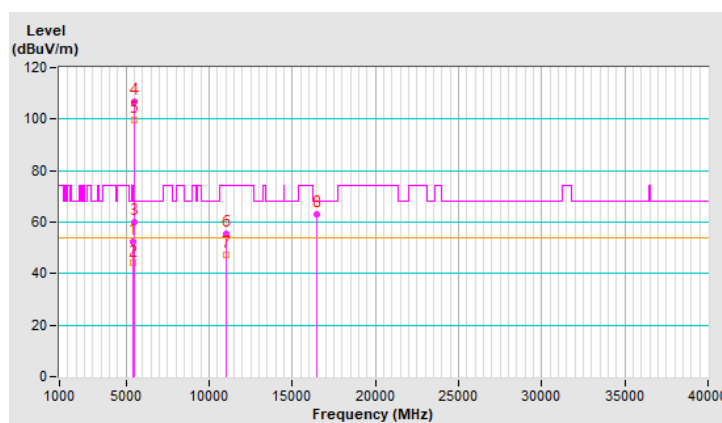


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 100 : 5500 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	52.6 PK	74.0	-21.4	1.54 V	139	48.5	4.1
2	5460.00	44.0 AV	54.0	-10.0	1.54 V	139	39.9	4.1
3	#5470.00	60.0 PK	68.2	-8.2	1.54 V	139	55.8	4.2
4	*5500.00	106.7 PK			1.54 V	139	102.5	4.2
5	*5500.00	99.8 AV			1.54 V	139	95.6	4.2
6	11000.00	55.4 PK	74.0	-18.6	1.22 V	252	41.9	13.5
7	11000.00	47.5 AV	54.0	-6.5	1.22 V	252	34.0	13.5
8	#16500.00	62.9 PK	68.2	-5.3	1.18 V	309	47.8	15.1
9	#22000.00	-	-	-	-	-	-	-
10	#27500.00	-	-	-	-	-	-	-
11	#33000.00	-	-	-	-	-	-	-
12	#38500.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

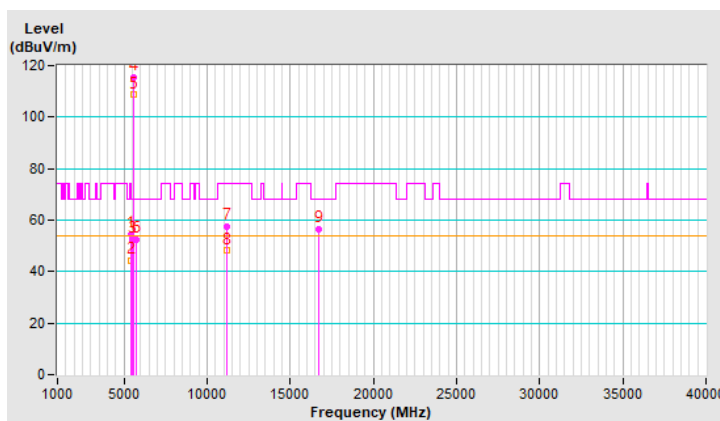


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 116 : 5580 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	54.4 PK	74.0	-19.6	2.00 H	127	50.3	4.1
2	5460.00	44.2 AV	54.0	-9.8	2.00 H	127	40.1	4.1
3	#5470.00	52.4 PK	68.2	-15.8	2.00 H	127	48.2	4.2
4	*5580.00	115.5 PK			2.00 H	127	111.2	4.3
5	*5580.00	108.6 AV			2.00 H	127	104.3	4.3
6	#5725.00	52.5 PK	68.2	-15.7	2.00 H	127	48.1	4.4
7	11160.00	57.4 PK	74.0	-16.6	1.33 H	326	43.8	13.6
8	11160.00	48.1 AV	54.0	-5.9	1.33 H	326	34.5	13.6
9	#16740.00	56.6 PK	68.2	-11.6	1.04 H	328	40.0	16.6
10	22320.00	-	-	-	-	-	-	-
11	#27900.00	-	-	-	-	-	-	-
12	#33480.00	-	-	-	-	-	-	-
13	39060.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

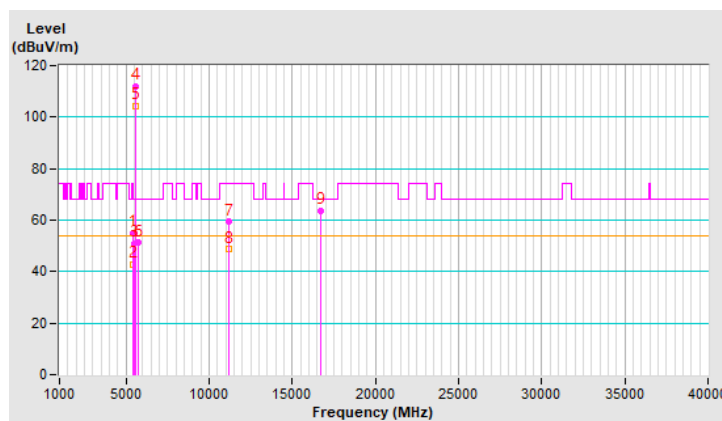


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 116 : 5580 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	55.0 PK	74.0	-19.0	1.54 V	139	50.9	4.1
2	5460.00	42.9 AV	54.0	-11.1	1.54 V	139	38.8	4.1
3	#5470.00	50.7 PK	68.2	-17.5	1.54 V	139	46.5	4.2
4	*5580.00	111.7 PK			1.54 V	139	107.4	4.3
5	*5580.00	104.5 AV			1.54 V	139	100.2	4.3
6	#5725.00	51.1 PK	68.2	-17.1	1.54 V	139	46.7	4.4
7	11160.00	59.3 PK	74.0	-14.7	1.01 V	275	45.7	13.6
8	11160.00	48.6 AV	54.0	-5.4	1.01 V	275	35.0	13.6
9	#16740.00	63.7 PK	68.2	-4.5	1.12 V	307	47.1	16.6
10	22320.00	-	-	-	-	-	-	-
11	#27900.00	-	-	-	-	-	-	-
12	#33480.00	-	-	-	-	-	-	-
13	39060.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

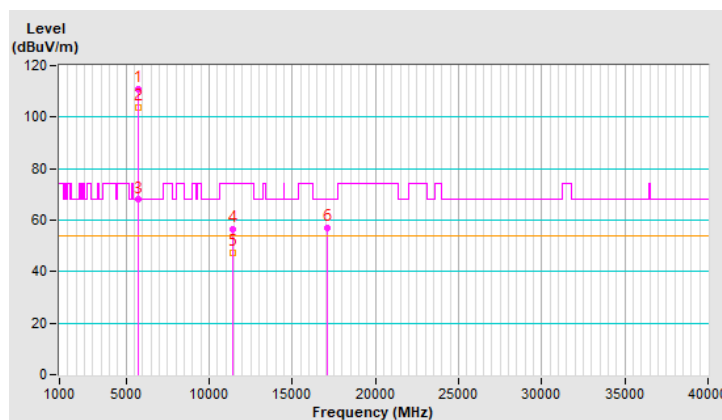


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 140 : 5700 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	110.8 PK			2.00 H	127	106.5	4.3
2	*5700.00	103.7 AV			2.00 H	127	99.4	4.3
3	#5725.00	67.9 PK	68.2	-0.3	2.00 H	127	63.5	4.4
4	11400.00	56.4 PK	74.0	-17.6	1.40 H	182	42.8	13.6
5	11400.00	47.3 AV	54.0	-6.7	1.40 H	182	33.7	13.6
6	#17100.00	56.9 PK	68.2	-11.3	1.02 H	316	39.1	17.8
7	22800.00	-	-	-	-	-	-	-
8	#28500.00	-	-	-	-	-	-	-
9	#34200.00	-	-	-	-	-	-	-
10	39900.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

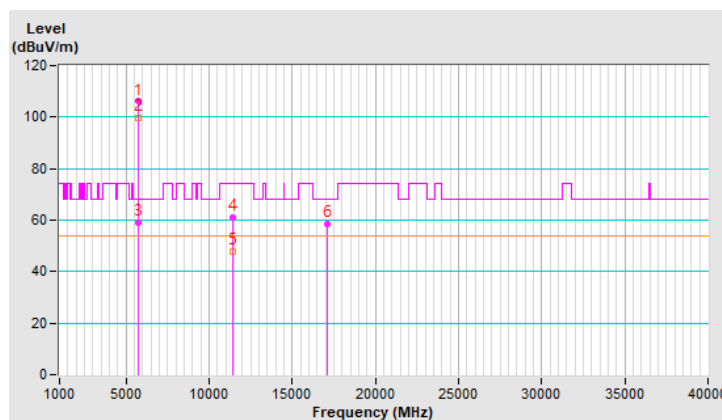


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 140 : 5700 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	106.1 PK			1.54 V	139	101.8	4.3
2	*5700.00	99.5 AV			1.54 V	139	95.2	4.3
3	#5725.00	59.0 PK	68.2	-9.2	1.54 V	139	54.6	4.4
4	11400.00	60.9 PK	74.0	-13.1	1.04 V	17	47.3	13.6
5	11400.00	47.7 AV	54.0	-6.3	1.04 V	17	34.1	13.6
6	#17100.00	58.7 PK	68.2	-9.5	2.87 V	18	40.9	17.8
7	22800.00	-	-	-	-	-	-	-
8	#28500.00	-	-	-	-	-	-	-
9	#34200.00	-	-	-	-	-	-	-
10	39900.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

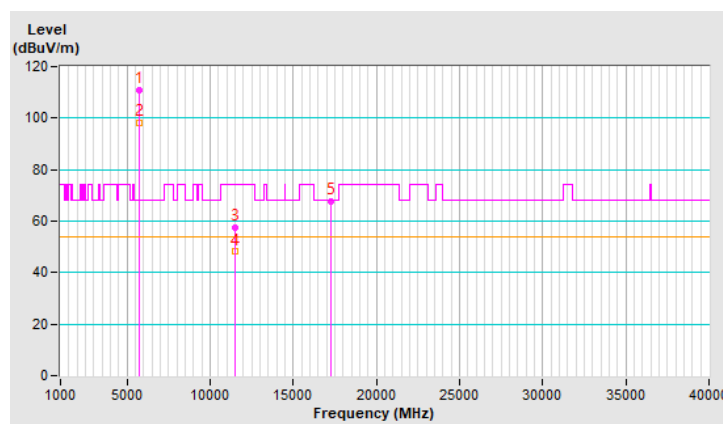


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5745.00	110.7 PK			1.02 H	333	106.3	4.4
2	*5745.00	98.2 AV			1.02 H	333	93.8	4.4
3	11490.00	57.3 PK	74.0	-16.7	1.38 H	330	43.4	13.9
4	11490.00	48.1 AV	54.0	-5.9	1.38 H	330	34.2	13.9
5	#17235.00	67.8 PK	68.2	-0.4	1.05 H	325	49.5	18.3
6	22980.00	-	-	-	-	-	-	-
7	#28725.00	-	-	-	-	-	-	-
8	#34470.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

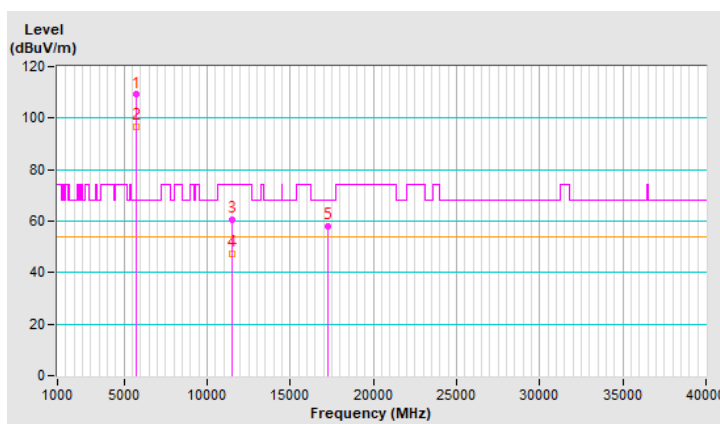


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5745.00	109.1 PK			1.24 V	235	104.7	4.4
2	*5745.00	96.8 AV			1.24 V	235	92.4	4.4
3	11490.00	60.4 PK	74.0	-13.6	1.08 V	4	46.5	13.9
4	11490.00	47.3 AV	54.0	-6.7	1.08 V	4	33.4	13.9
5	#17235.00	58.1 PK	68.2	-10.1	2.83 V	3	39.8	18.3
6	22980.00	-	-	-	-	-	-	-
7	#28725.00	-	-	-	-	-	-	-
8	#34470.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

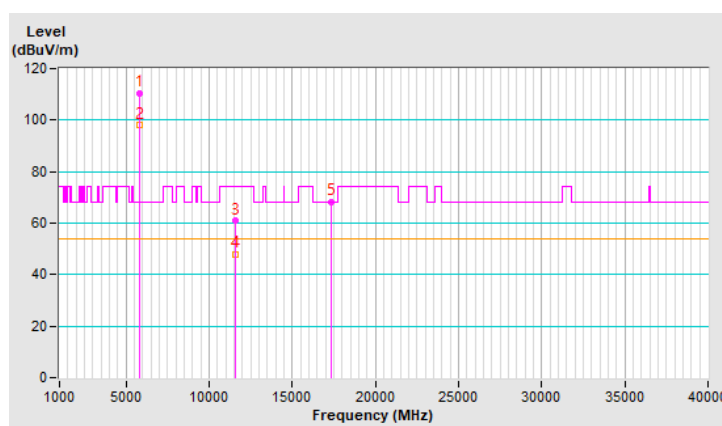


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5785.00	110.5 PK			1.00 H	340	106.0	4.5
2	*5785.00	97.9 AV			1.00 H	340	93.4	4.5
3	11570.00	60.8 PK	74.0	-13.2	2.94 H	354	46.9	13.9
4	11570.00	47.8 AV	54.0	-6.2	2.94 H	354	33.9	13.9
5	#17355.00	68.1 PK	68.2	-0.1	1.00 H	314	49.9	18.2
6	#23140.00	-	-	-	-	-	-	-
7	#28925.00	-	-	-	-	-	-	-
8	#34710.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

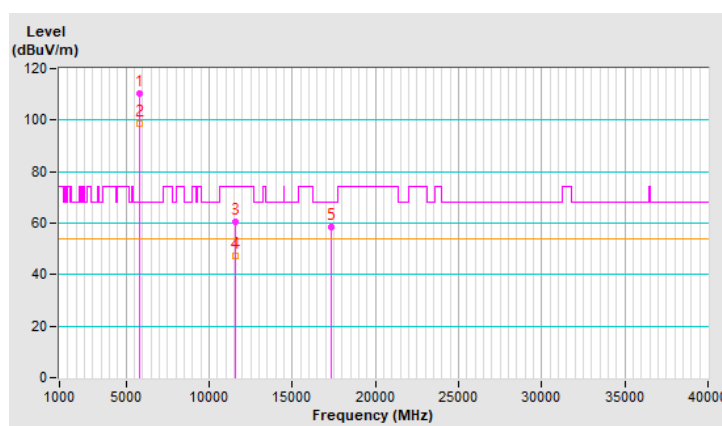


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5785.00	110.5 PK			1.02 V	237	106.0	4.5
2	*5785.00	98.7 AV			1.02 V	237	94.2	4.5
3	11570.00	60.4 PK	74.0	-13.6	1.06 V	5	46.5	13.9
4	11570.00	47.3 AV	54.0	-6.7	1.06 V	5	33.4	13.9
5	#17355.00	58.5 PK	68.2	-9.7	2.87 V	12	40.3	18.2
6	#23140.00	-	-	-	-	-	-	-
7	#28925.00	-	-	-	-	-	-	-
8	#34710.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

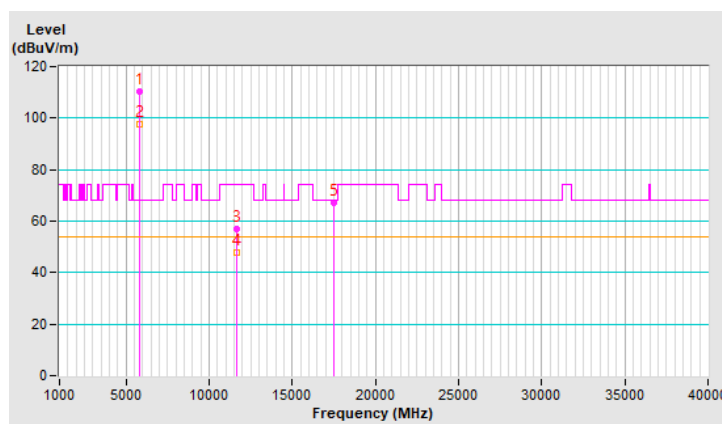


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5825.00	110.4 PK			1.12 H	347	105.7	4.7
2	*5825.00	97.6 AV			1.12 H	347	92.9	4.7
3	11650.00	57.2 PK	74.0	-16.8	1.30 H	315	43.2	14.0
4	11650.00	47.7 AV	54.0	-6.3	1.30 H	315	33.7	14.0
5	#17475.00	67.3 PK	68.2	-0.9	1.21 H	301	48.5	18.8
6	#23300.00	-	-	-	-	-	-	-
7	#29125.00	-	-	-	-	-	-	-
8	#34950.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

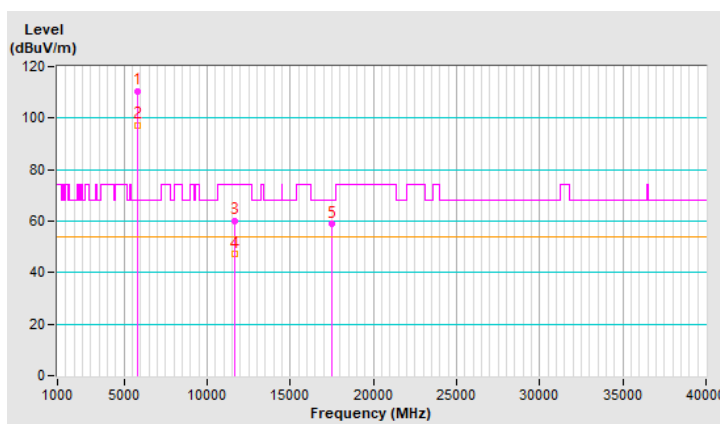


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5825.00	110.2 PK			1.00 V	235	105.5	4.7
2	*5825.00	97.2 AV			1.00 V	235	92.5	4.7
3	11650.00	60.2 PK	74.0	-13.8	1.06 V	9	46.2	14.0
4	11650.00	47.1 AV	54.0	-6.9	1.06 V	9	33.1	14.0
5	#17475.00	58.8 PK	68.2	-9.4	2.83 V	1	40.0	18.8
6	#23300.00	-	-	-	-	-	-	-
7	#29125.00	-	-	-	-	-	-	-
8	#34950.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

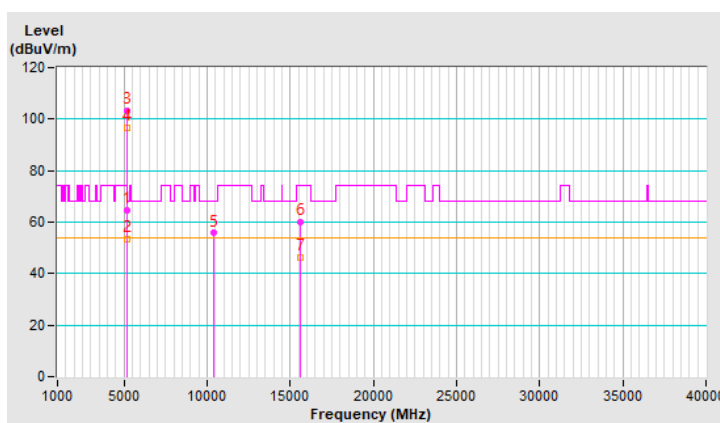


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 38 : 5190 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.5 PK	74.0	-9.5	1.84 H	145	60.3	4.2
2	5150.00	53.6 AV	54.0	-0.4	1.84 H	145	49.4	4.2
3	*5190.00	103.4 PK			1.84 H	145	99.3	4.1
4	*5190.00	96.8 AV			1.84 H	145	92.7	4.1
5	#10380.00	55.7 PK	68.2	-12.5	1.31 H	306	42.5	13.2
6	15570.00	59.9 PK	74.0	-14.1	2.36 H	13	46.1	13.8
7	15570.00	46.5 AV	54.0	-7.5	2.36 H	13	32.7	13.8
8	20760.00	-	-	-	-	-	-	-
9	#25950.00	-	-	-	-	-	-	-
10	#31140.00	-	-	-	-	-	-	-
11	#36330.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

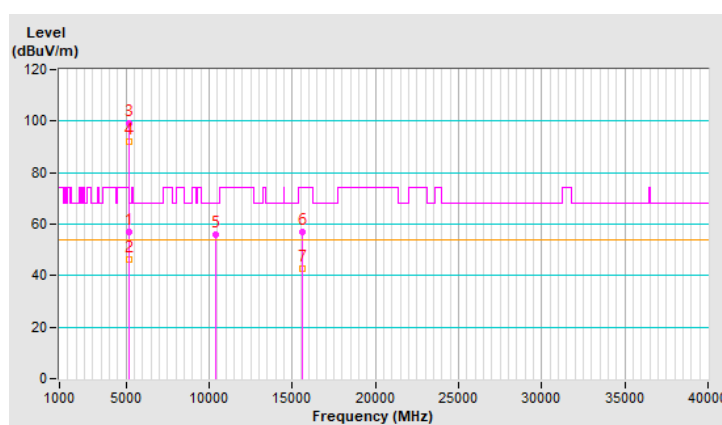


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 38 : 5190 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.9 PK	74.0	-17.1	1.72 V	193	52.7	4.2
2	5150.00	46.2 AV	54.0	-7.8	1.72 V	193	42.0	4.2
3	*5190.00	99.0 PK			1.72 V	193	94.9	4.1
4	*5190.00	92.1 AV			1.72 V	193	88.0	4.1
5	#10380.00	56.1 PK	68.2	-12.1	1.04 V	248	42.9	13.2
6	15570.00	56.9 PK	74.0	-17.1	1.01 V	360	43.1	13.8
7	15570.00	42.9 AV	54.0	-11.1	1.01 V	360	29.1	13.8
8	20760.00	-	-	-	-	-	-	-
9	#25950.00	-	-	-	-	-	-	-
10	#31140.00	-	-	-	-	-	-	-
11	#36330.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

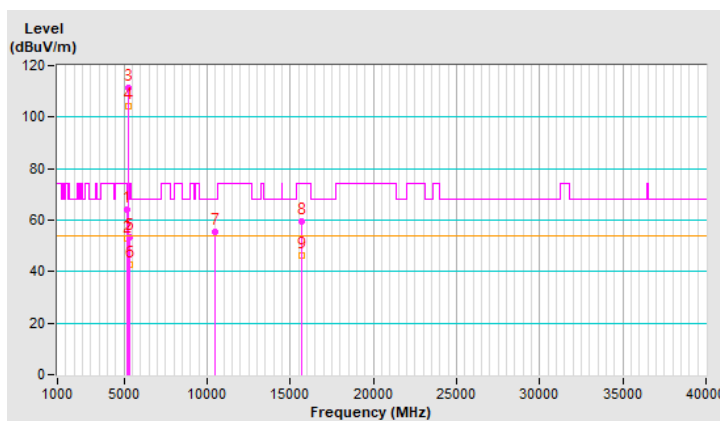


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 46 : 5230 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.0 PK	74.0	-10.0	1.58 H	145	59.8	4.2
2	5150.00	52.7 AV	54.0	-1.3	1.58 H	145	48.5	4.2
3	*5230.00	111.4 PK			1.58 H	145	107.5	3.9
4	*5230.00	104.5 AV			1.58 H	145	100.6	3.9
5	5350.00	53.4 PK	74.0	-20.6	1.58 H	145	49.7	3.7
6	5350.00	42.9 AV	54.0	-11.1	1.58 H	145	39.2	3.7
7	#10460.00	55.3 PK	68.2	-12.9	1.31 H	308	42.0	13.3
8	15690.00	59.7 PK	74.0	-14.3	2.42 H	13	45.2	14.5
9	15690.00	46.4 AV	54.0	-7.6	2.42 H	13	31.9	14.5
10	20920.00	-	-	-	-	-	-	-
11	#26150.00	-	-	-	-	-	-	-
12	31380.00	-	-	-	-	-	-	-
13	#36610.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

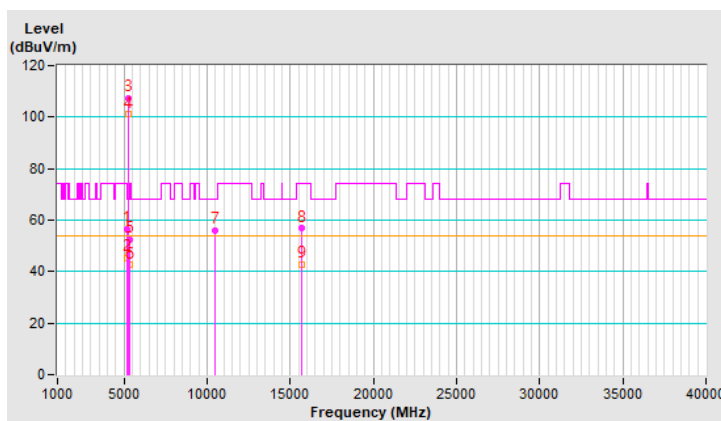


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 46 : 5230 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.3 PK	74.0	-17.7	1.72 V	193	52.1	4.2
2	5150.00	45.4 AV	54.0	-8.6	1.72 V	193	41.2	4.2
3	*5230.00	107.4 PK			1.72 V	193	103.5	3.9
4	*5230.00	100.9 AV			1.72 V	193	97.0	3.9
5	5350.00	52.5 PK	74.0	-21.5	1.72 V	193	48.8	3.7
6	5350.00	42.5 AV	54.0	-11.5	1.72 V	193	38.8	3.7
7	#10460.00	55.9 PK	68.2	-12.3	1.08 V	240	42.6	13.3
8	15690.00	56.7 PK	74.0	-17.3	1.01 V	360	42.2	14.5
9	15690.00	42.6 AV	54.0	-11.4	1.01 V	360	28.1	14.5
10	20920.00	-	-	-	-	-	-	-
11	#26150.00	-	-	-	-	-	-	-
12	31380.00	-	-	-	-	-	-	-
13	#36610.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

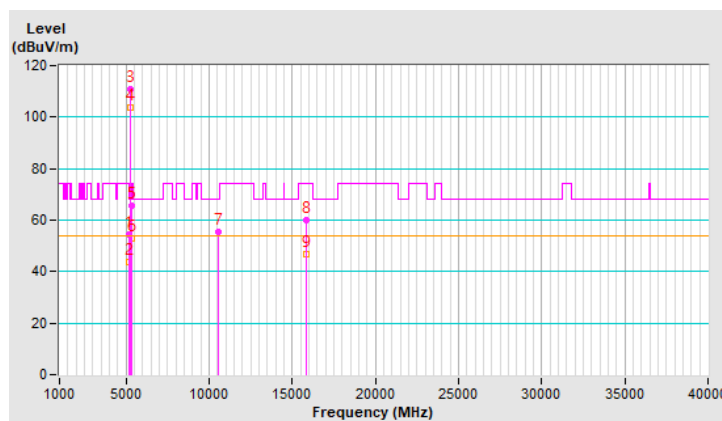


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 54 : 5270 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	54.4 PK	74.0	-19.6	2.23 H	142	50.2	4.2
2	5150.00	43.6 AV	54.0	-10.4	2.23 H	142	39.4	4.2
3	*5270.00	110.8 PK			2.23 H	142	107.0	3.8
4	*5270.00	103.7 AV			2.23 H	142	99.9	3.8
5	5350.00	65.5 PK	74.0	-8.5	2.23 H	142	61.8	3.7
6	5350.00	53.0 AV	54.0	-1.0	2.23 H	142	49.3	3.7
7	#10540.00	55.6 PK	68.2	-12.6	1.27 H	296	42.2	13.4
8	15810.00	59.9 PK	74.0	-14.1	2.31 H	9	46.0	13.9
9	15810.00	46.7 AV	54.0	-7.3	2.31 H	9	32.8	13.9
10	21080.00	-	-	-	-	-	-	-
11	#26350.00	-	-	-	-	-	-	-
12	31620.00	-	-	-	-	-	-	-
13	#36890.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

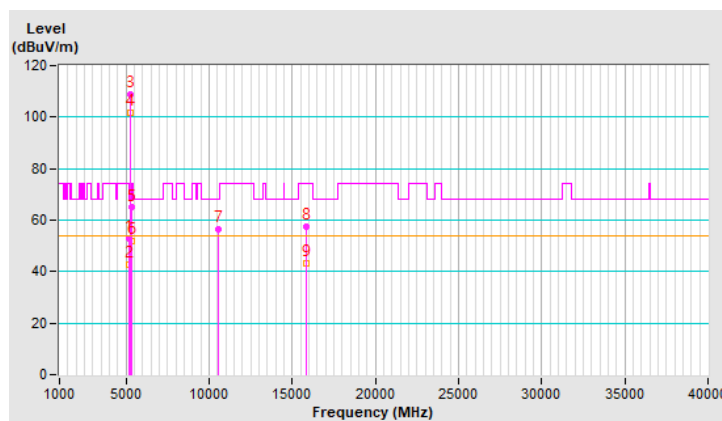


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 54 : 5270 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.1 PK	74.0	-20.9	2.02 V	224	48.9	4.2
2	5150.00	42.6 AV	54.0	-11.4	2.02 V	224	38.4	4.2
3	*5270.00	108.7 PK			2.02 V	224	104.9	3.8
4	*5270.00	101.7 AV			2.02 V	224	97.9	3.8
5	5350.00	64.9 PK	74.0	-9.1	2.02 V	224	61.2	3.7
6	5350.00	52.1 AV	54.0	-1.9	2.02 V	224	48.4	3.7
7	#10540.00	56.4 PK	68.2	-11.8	1.02 V	238	43.0	13.4
8	15810.00	57.3 PK	74.0	-16.7	1.03 V	360	43.4	13.9
9	15810.00	43.1 AV	54.0	-10.9	1.03 V	360	29.2	13.9
10	21080.00	-	-	-	-	-	-	-
11	#26350.00	-	-	-	-	-	-	-
12	31620.00	-	-	-	-	-	-	-
13	#36890.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

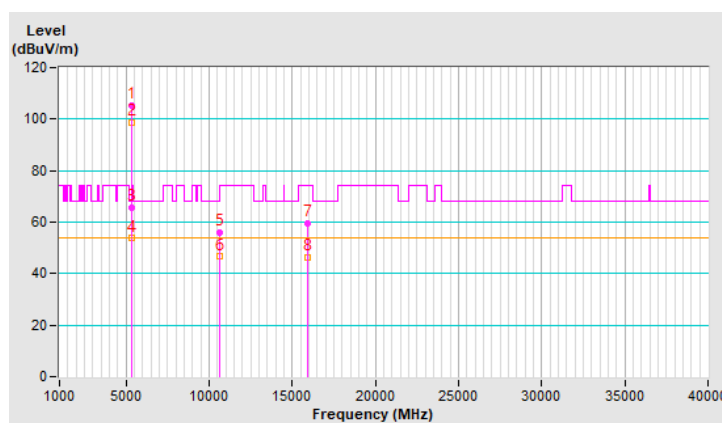


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 62 : 5310 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	105.3 PK			2.23 H	142	101.6	3.7
2	*5310.00	98.5 AV			2.23 H	142	94.8	3.7
3	5350.00	65.8 PK	74.0	-8.2	2.23 H	142	62.1	3.7
4	5350.00	53.7 AV	54.0	-0.3	2.23 H	142	50.0	3.7
5	10620.00	55.9 PK	74.0	-18.1	1.28 H	293	42.5	13.4
6	10620.00	46.6 AV	54.0	-7.4	1.28 H	293	33.2	13.4
7	15930.00	59.6 PK	74.0	-14.4	2.37 H	18	46.1	13.5
8	15930.00	46.2 AV	54.0	-7.8	2.37 H	18	32.7	13.5
9	21240.00	-	-	-	-	-	-	-
10	#26550.00	-	-	-	-	-	-	-
11	#31860.00	-	-	-	-	-	-	-
12	#37170.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

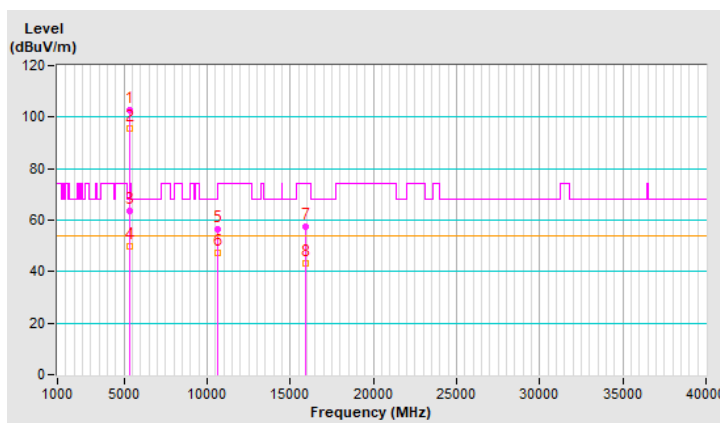


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 62 : 5310 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	102.9 PK			2.02 V	224	99.2	3.7
2	*5310.00	95.6 AV			2.02 V	224	91.9	3.7
3	5350.00	63.6 PK	74.0	-10.4	2.02 V	224	59.9	3.7
4	5350.00	49.9 AV	54.0	-4.1	2.02 V	224	46.2	3.7
5	10620.00	56.3 PK	74.0	-17.7	1.04 V	263	42.9	13.4
6	10620.00	47.5 AV	54.0	-6.5	1.04 V	263	34.1	13.4
7	15930.00	57.3 PK	74.0	-16.7	1.06 V	360	43.8	13.5
8	15930.00	43.2 AV	54.0	-10.8	1.06 V	360	29.7	13.5
9	21240.00	-	-	-	-	-	-	-
10	#26550.00	-	-	-	-	-	-	-
11	#31860.00	-	-	-	-	-	-	-
12	#37170.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

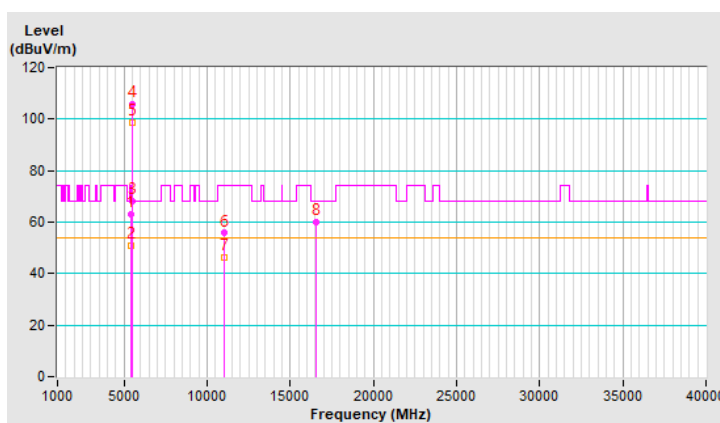


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 102 : 5510 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	63.3 PK	74.0	-10.7	1.99 H	127	59.2	4.1
2	5460.00	50.7 AV	54.0	-3.3	1.99 H	127	46.6	4.1
3	#5470.00	68.0 PK	68.2	-0.2	1.99 H	127	63.8	4.2
4	*5510.00	105.6 PK			1.99 H	127	101.4	4.2
5	*5510.00	98.6 AV			1.99 H	127	94.4	4.2
6	11020.00	55.7 PK	74.0	-18.3	1.34 H	315	42.2	13.5
7	11020.00	46.5 AV	54.0	-7.5	1.34 H	315	33.0	13.5
8	#16530.00	60.2 PK	68.2	-8.0	2.38 H	11	44.9	15.3
9	22040.00	-	-	-	-	-	-	-
10	#27550.00	-	-	-	-	-	-	-
11	#33060.00	-	-	-	-	-	-	-
12	#38570.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

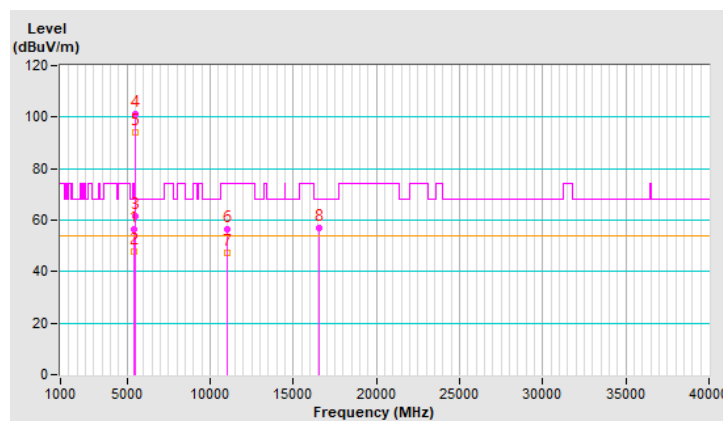


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 102 : 5510 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	56.5 PK	74.0	-17.5	1.54 V	139	52.4	4.1
2	5460.00	47.9 AV	54.0	-6.1	1.54 V	139	43.8	4.1
3	#5470.00	61.5 PK	68.2	-6.7	1.54 V	139	57.3	4.2
4	*5510.00	101.3 PK			1.54 V	139	97.1	4.2
5	*5510.00	94.2 AV			1.54 V	139	90.0	4.2
6	11020.00	56.4 PK	74.0	-17.6	1.07 V	239	42.9	13.5
7	11020.00	47.4 AV	54.0	-6.6	1.07 V	239	33.9	13.5
8	#16530.00	56.9 PK	68.2	-11.3	1.03 V	360	41.6	15.3
9	22040.00	-	-	-	-	-	-	-
10	#27550.00	-	-	-	-	-	-	-
11	#33060.00	-	-	-	-	-	-	-
12	#38570.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

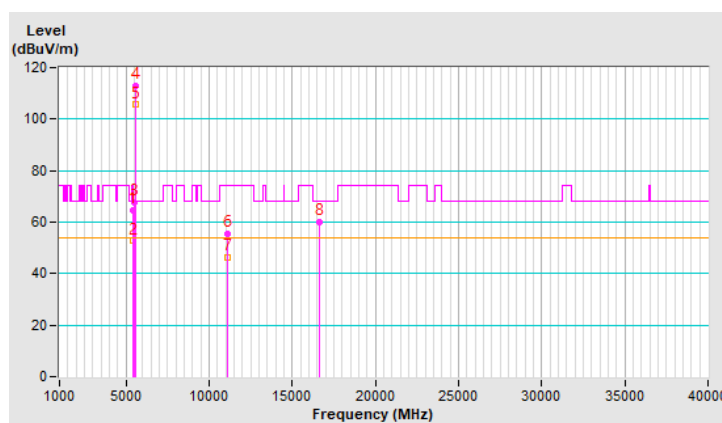


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 110 : 5550 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	64.5 PK	74.0	-9.5	2.00 H	127	60.4	4.1
2	5460.00	52.6 AV	54.0	-1.4	2.00 H	127	48.5	4.1
3	#5470.00	67.8 PK	68.2	-0.4	2.00 H	127	63.6	4.2
4	*5550.00	112.8 PK			2.00 H	127	108.6	4.2
5	*5550.00	105.5 AV			2.00 H	127	101.3	4.2
6	11100.00	55.5 PK	74.0	-18.5	1.29 H	317	42.1	13.4
7	11100.00	46.5 AV	54.0	-7.5	1.29 H	317	33.1	13.4
8	#16650.00	60.0 PK	68.2	-8.2	2.39 H	19	43.8	16.2
9	22200.00	-	-	-	-	-	-	-
10	#27750.00	-	-	-	-	-	-	-
11	#33300.00	-	-	-	-	-	-	-
12	38850.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

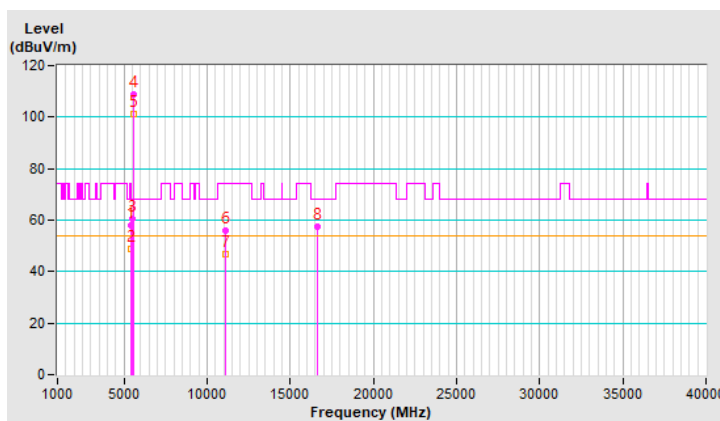


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 110 : 5550 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.1 PK	74.0	-15.9	1.54 V	139	54.0	4.1
2	5460.00	48.8 AV	54.0	-5.2	1.54 V	139	44.7	4.1
3	#5470.00	60.5 PK	68.2	-7.7	1.54 V	139	56.3	4.2
4	*5550.00	108.8 PK			1.54 V	139	104.6	4.2
5	*5550.00	101.4 AV			1.54 V	139	97.2	4.2
6	11100.00	55.8 PK	74.0	-18.2	1.00 V	234	42.4	13.4
7	11100.00	46.9 AV	54.0	-7.1	1.00 V	234	33.5	13.4
8	#16650.00	57.3 PK	68.2	-10.9	1.04 V	360	41.1	16.2
9	22200.00	-	-	-	-	-	-	-
10	#27750.00	-	-	-	-	-	-	-
11	#33300.00	-	-	-	-	-	-	-
12	38850.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

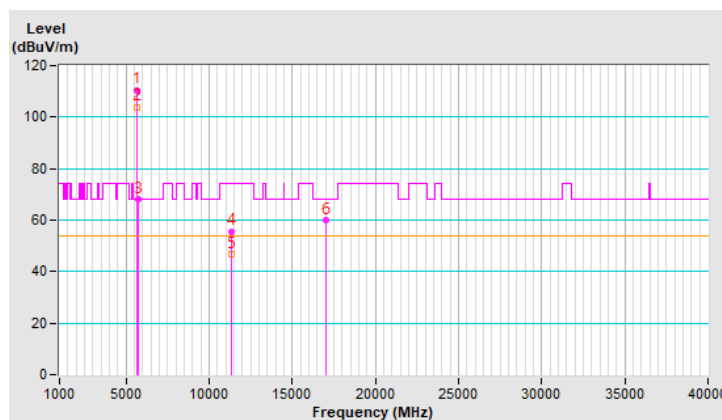


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 134 : 5670 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	110.5 PK			2.05 H	127	106.1	4.4
2	*5670.00	103.7 AV			2.05 H	127	99.3	4.4
3	#5725.00	67.9 PK	68.2	-0.3	2.05 H	127	63.5	4.4
4	11340.00	55.4 PK	74.0	-18.6	1.34 H	318	41.5	13.9
5	11340.00	46.6 AV	54.0	-7.4	1.34 H	318	32.7	13.9
6	#17010.00	59.8 PK	68.2	-8.4	2.34 H	20	42.3	17.5
7	22680.00	-	-	-	-	-	-	-
8	#28350.00	-	-	-	-	-	-	-
9	#34020.00	-	-	-	-	-	-	-
10	39690.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

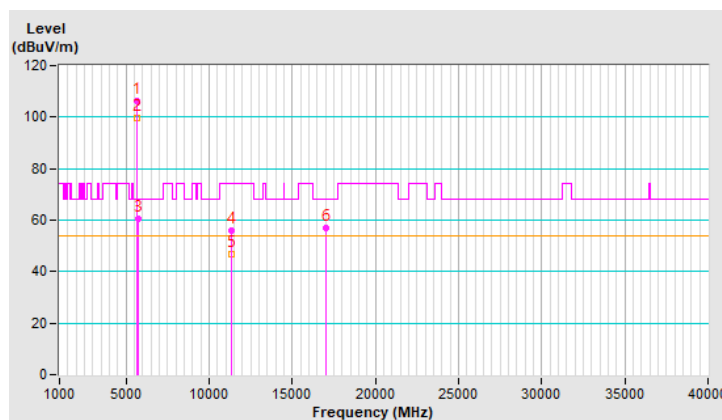


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 134 : 5670 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	106.3 PK			1.54 V	139	101.9	4.4
2	*5670.00	99.6 AV			1.54 V	139	95.2	4.4
3	#5725.00	60.7 PK	68.2	-7.5	1.54 V	139	56.3	4.4
4	11340.00	55.9 PK	74.0	-18.1	1.05 V	258	42.0	13.9
5	11340.00	46.7 AV	54.0	-7.3	1.05 V	258	32.8	13.9
6	#17010.00	56.8 PK	68.2	-11.4	1.02 V	360	39.3	17.5
7	22680.00	-	-	-	-	-	-	-
8	#28350.00	-	-	-	-	-	-	-
9	#34020.00	-	-	-	-	-	-	-
10	39690.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

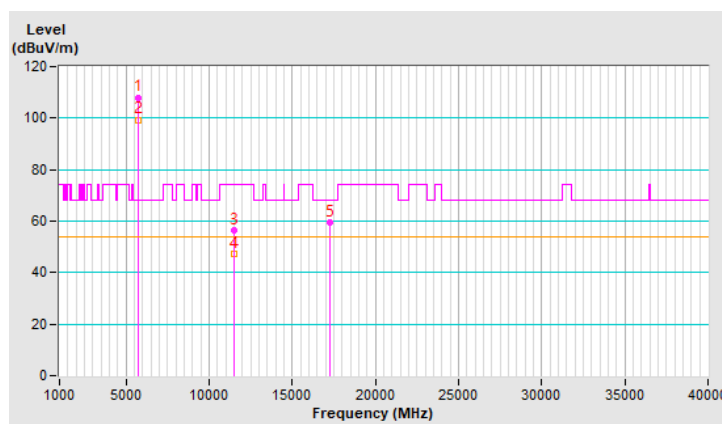


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 151 : 5755 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5755.00	107.9 PK			1.00 H	349	103.5	4.4
2	*5755.00	99.0 AV			1.00 H	349	94.6	4.4
3	11510.00	56.2 PK	74.0	-17.8	1.27 H	302	42.2	14.0
4	11510.00	47.1 AV	54.0	-6.9	1.27 H	302	33.1	14.0
5	#17265.00	59.3 PK	68.2	-8.9	2.37 H	4	41.2	18.1
6	23020.00	-	-	-	-	-	-	-
7	#28775.00	-	-	-	-	-	-	-
8	#34530.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

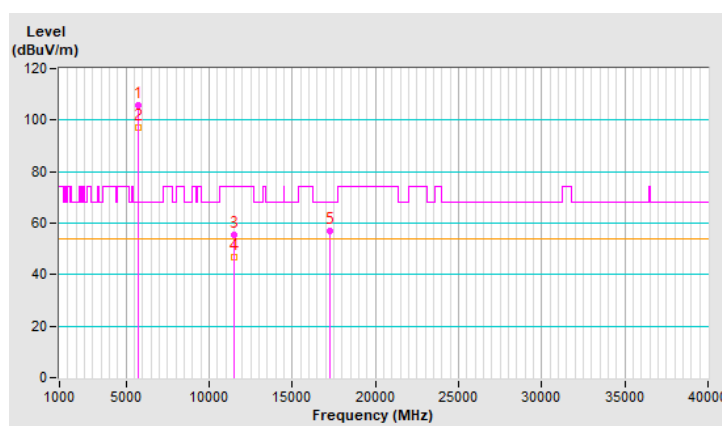


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 151 : 5755 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5755.00	105.8 PK			1.00 V	238	101.4	4.4
2	*5755.00	97.3 AV			1.00 V	238	92.9	4.4
3	11510.00	55.4 PK	74.0	-18.6	1.09 V	235	41.4	14.0
4	11510.00	46.7 AV	54.0	-7.3	1.09 V	235	32.7	14.0
5	#17265.00	56.9 PK	68.2	-11.3	1.06 V	360	38.8	18.1
6	23020.00	-	-	-	-	-	-	-
7	#28775.00	-	-	-	-	-	-	-
8	#34530.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

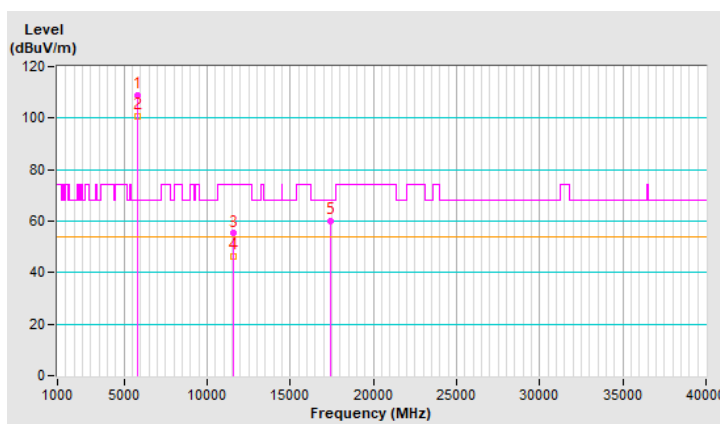


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 159 : 5795 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5795.00	108.7 PK			1.00 H	347	104.1	4.6
2	*5795.00	100.8 AV			1.00 H	347	96.2	4.6
3	11590.00	55.2 PK	74.0	-18.8	1.27 H	313	41.3	13.9
4	11590.00	46.4 AV	54.0	-7.6	1.27 H	313	32.5	13.9
5	#17385.00	59.9 PK	68.2	-8.3	2.38 H	5	41.5	18.4
6	#23180.00	-	-	-	-	-	-	-
7	#28975.00	-	-	-	-	-	-	-
8	#34770.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

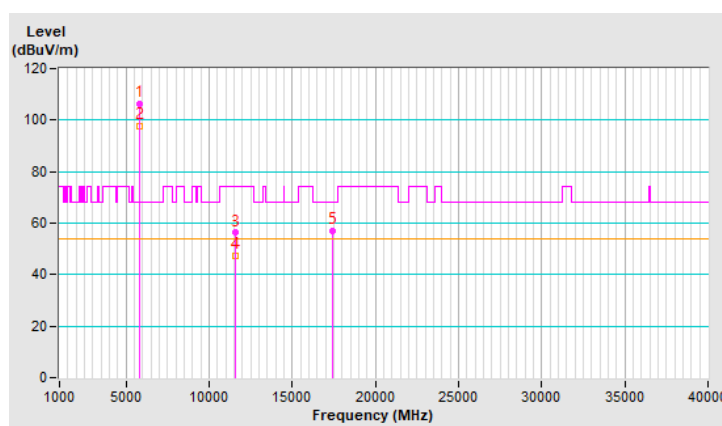


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 159 : 5795 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5795.00	106.5 PK			1.00 V	235	101.9	4.6
2	*5795.00	97.7 AV			1.00 V	235	93.1	4.6
3	11590.00	56.2 PK	74.0	-17.8	1.05 V	241	42.3	13.9
4	11590.00	47.2 AV	54.0	-6.8	1.05 V	241	33.3	13.9
5	#17385.00	57.0 PK	68.2	-11.2	1.02 V	360	38.6	18.4
6	#23180.00	-	-	-	-	-	-	-
7	#28975.00	-	-	-	-	-	-	-
8	#34770.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

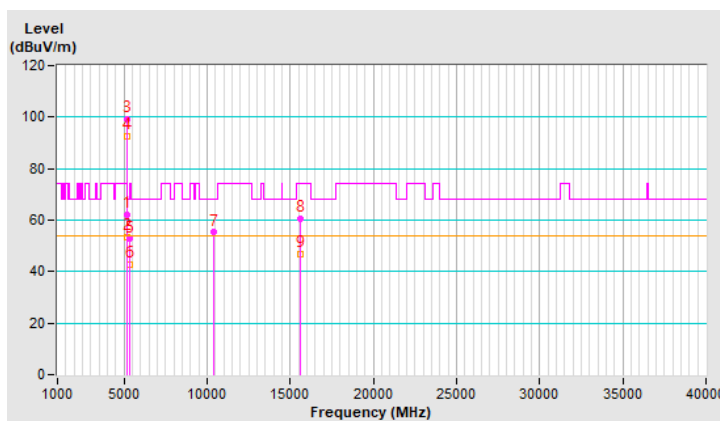


操作模式：	發射 802.11ac (VHT80)	調變技術：	OFDM
基本波頻率：	CH 42 : 5210 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.0 PK	74.0	-12.0	1.84 H	145	57.8	4.2
2	5150.00	53.6 AV	54.0	-0.4	1.84 H	145	49.4	4.2
3	*5210.00	99.2 PK			1.84 H	145	95.3	3.9
4	*5210.00	92.7 AV			1.84 H	145	88.8	3.9
5	5350.00	52.7 PK	74.0	-21.3	1.84 H	145	49.0	3.7
6	5350.00	42.8 AV	54.0	-11.2	1.84 H	145	39.1	3.7
7	#10420.00	55.2 PK	68.2	-13.0	1.28 H	319	42.0	13.2
8	15630.00	60.4 PK	74.0	-13.6	2.42 H	7	46.1	14.3
9	15630.00	47.0 AV	54.0	-7.0	2.42 H	7	32.7	14.3
10	20840.00	-	-	-	-	-	-	-
11	#26050.00	-	-	-	-	-	-	-
12	31260.00	-	-	-	-	-	-	-
13	36470.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

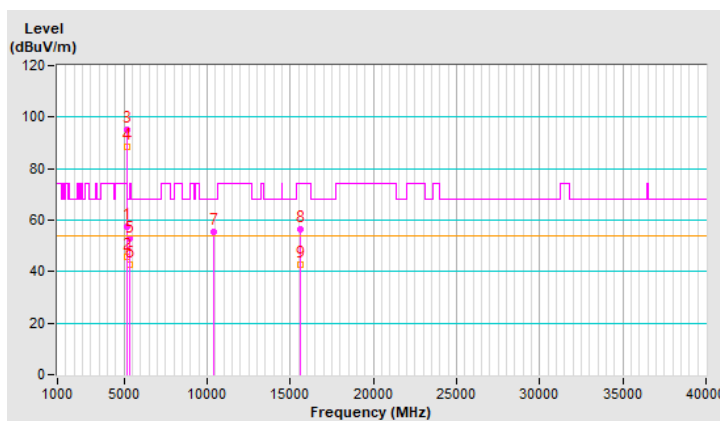


操作模式：	發射 802.11ac (VHT80)	調變技術：	OFDM
基本波頻率：	CH 42 : 5210 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.5 PK	74.0	-16.5	1.72 V	193	53.3	4.2
2	5150.00	45.9 AV	54.0	-8.1	1.72 V	193	41.7	4.2
3	*5210.00	95.3 PK			1.72 V	193	91.4	3.9
4	*5210.00	88.5 AV			1.72 V	193	84.6	3.9
5	5350.00	52.7 PK	74.0	-21.3	1.72 V	193	49.0	3.7
6	5350.00	42.7 AV	54.0	-11.3	1.72 V	193	39.0	3.7
7	#10420.00	55.6 PK	68.2	-12.6	1.04 V	250	42.4	13.2
8	15630.00	56.5 PK	74.0	-17.5	1.02 V	360	42.2	14.3
9	15630.00	42.6 AV	54.0	-11.4	1.02 V	360	28.3	14.3
10	20840.00	-	-	-	-	-	-	-
11	#26050.00	-	-	-	-	-	-	-
12	31260.00	-	-	-	-	-	-	-
13	36470.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

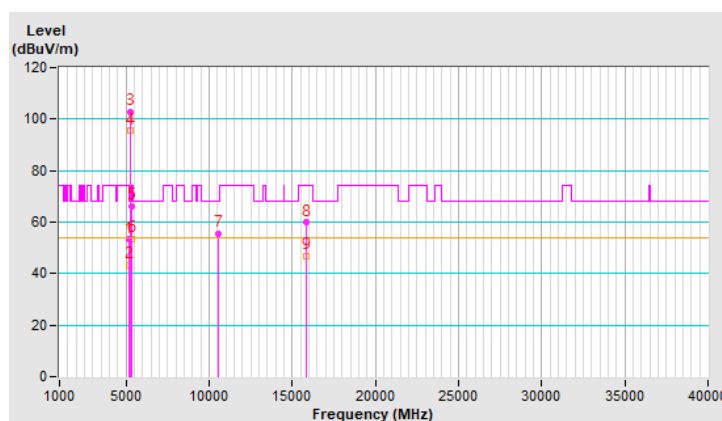


操作模式：	發射 802.11ac (VHT80)	調變技術：	OFDM
基本波頻率：	CH 58 : 5290 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.2 PK	74.0	-20.8	2.23 H	142	49.0	4.2
2	5150.00	43.1 AV	54.0	-10.9	2.23 H	142	38.9	4.2
3	*5290.00	102.8 PK			2.23 H	142	99.1	3.7
4	*5290.00	95.4 AV			2.23 H	142	91.7	3.7
5	5350.00	66.2 PK	74.0	-7.8	2.23 H	142	62.5	3.7
6	5350.00	53.5 AV	54.0	-0.5	2.23 H	142	49.8	3.7
7	#10580.00	55.3 PK	68.2	-12.9	1.33 H	301	41.9	13.4
8	15870.00	59.8 PK	74.0	-14.2	2.44 H	17	46.1	13.7
9	15870.00	46.8 AV	54.0	-7.2	2.44 H	17	33.1	13.7
10	21160.00	-	-	-	-	-	-	-
11	#26450.00	-	-	-	-	-	-	-
12	31740.00	-	-	-	-	-	-	-
13	#37030.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

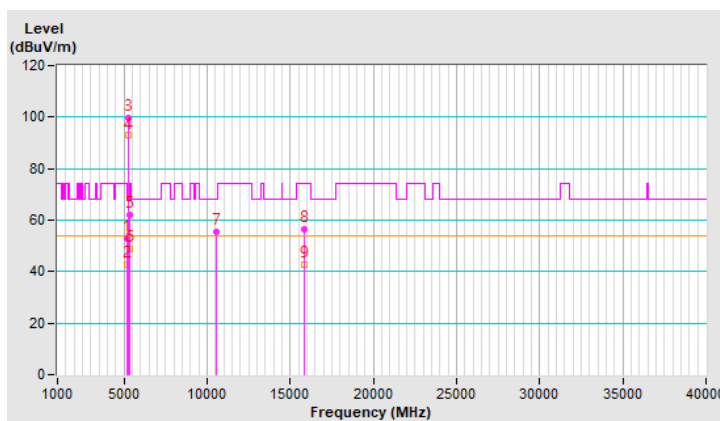


操作模式：	發射 802.11ac (VHT80)	調變技術：	OFDM
基本波頻率：	CH 58 : 5290 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.9 PK	74.0	-21.1	2.02 V	224	48.7	4.2
2	5150.00	42.7 AV	54.0	-11.3	2.02 V	224	38.5	4.2
3	*5290.00	99.7 PK			2.02 V	224	96.0	3.7
4	*5290.00	92.8 AV			2.02 V	224	89.1	3.7
5	5350.00	62.2 PK	74.0	-11.8	2.02 V	224	58.5	3.7
6	5350.00	49.0 AV	54.0	-5.0	2.02 V	224	45.3	3.7
7	#10580.00	55.4 PK	68.2	-12.8	1.06 V	241	42.0	13.4
8	15870.00	56.4 PK	74.0	-17.6	1.03 V	360	42.7	13.7
9	15870.00	42.6 AV	54.0	-11.4	1.03 V	360	28.9	13.7
10	21160.00	-	-	-	-	-	-	-
11	#26450.00	-	-	-	-	-	-	-
12	31740.00	-	-	-	-	-	-	-
13	#37030.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

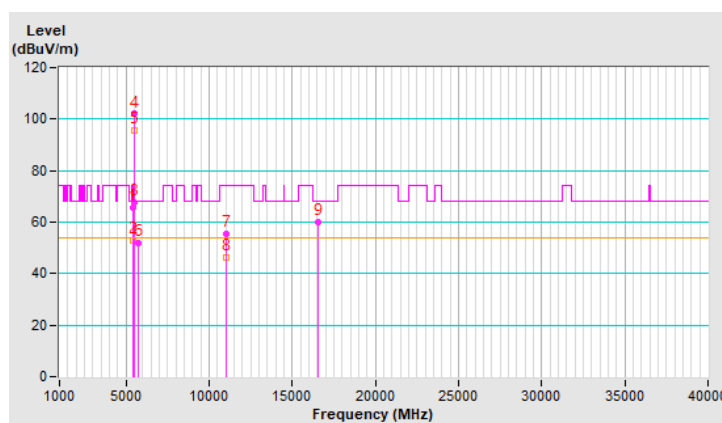


操作模式：	發射 802.11ac (VHT80)	調變技術：	OFDM
基本波頻率：	CH 106 : 5530 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	65.5 PK	74.0	-8.5	2.01 H	127	61.4	4.1
2	5460.00	52.9 AV	54.0	-1.1	2.01 H	127	48.8	4.1
3	#5470.00	67.8 PK	68.2	-0.4	2.01 H	127	63.6	4.2
4	*5530.00	102.0 PK			2.01 H	127	97.8	4.2
5	*5530.00	95.6 AV			2.01 H	127	91.4	4.2
6	#5725.00	51.9 PK	68.2	-16.3	2.01 H	127	47.5	4.4
7	11060.00	55.4 PK	74.0	-18.6	1.23 H	309	42.0	13.4
8	11060.00	46.4 AV	54.0	-7.6	1.23 H	309	33.0	13.4
9	#16590.00	60.1 PK	68.2	-8.1	2.32 H	4	44.4	15.7
10	22120.00	-	-	-	-	-	-	-
11	#27650.00	-	-	-	-	-	-	-
12	#33180.00	-	-	-	-	-	-	-
13	38710.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

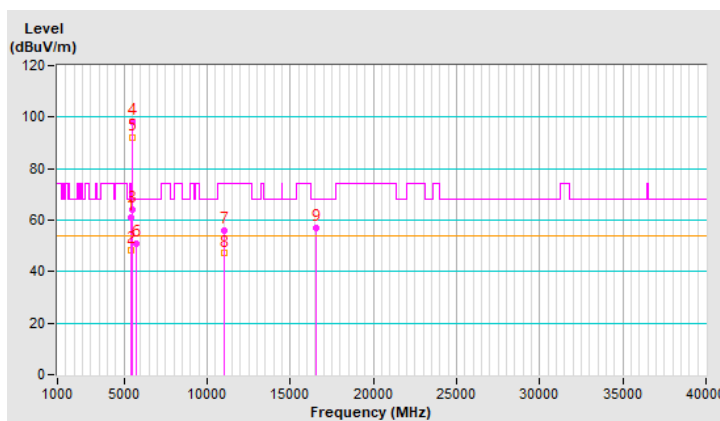


操作模式：	發射 802.11ac (VHT80)	調變技術：	OFDM
基本波頻率：	CH 106 : 5530 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.0 PK	74.0	-13.0	1.54 V	139	56.9	4.1
2	5460.00	48.4 AV	54.0	-5.6	1.54 V	139	44.3	4.1
3	#5470.00	64.2 PK	68.2	-4.0	1.54 V	139	60.0	4.2
4	*5530.00	98.1 PK			1.54 V	139	93.9	4.2
5	*5530.00	91.9 AV			1.54 V	139	87.7	4.2
6	#5725.00	51.0 PK	68.2	-17.2	1.54 V	139	46.6	4.4
7	11060.00	55.9 PK	74.0	-18.1	1.01 V	249	42.5	13.4
8	11060.00	47.1 AV	54.0	-6.9	1.01 V	249	33.7	13.4
9	#16590.00	57.1 PK	68.2	-11.1	1.04 V	360	41.4	15.7
10	22120.00	-	-	-	-	-	-	-
11	#27650.00	-	-	-	-	-	-	-
12	#33180.00	-	-	-	-	-	-	-
13	38710.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

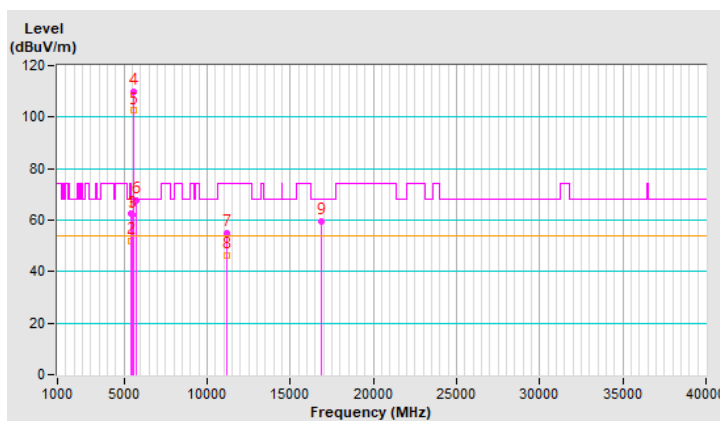


操作模式：	發射 802.11ac (VHT80)	調變技術：	OFDM
基本波頻率：	CH 122 : 5610 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.3 PK	74.0	-11.7	2.34 H	127	58.2	4.1
2	5460.00	52.0 AV	54.0	-2.0	2.34 H	127	47.9	4.1
3	#5470.00	62.1 PK	68.2	-6.1	2.34 H	127	57.9	4.2
4	*5610.00	109.8 PK			2.34 H	127	105.6	4.2
5	*5610.00	102.5 AV			2.34 H	127	98.3	4.2
6	#5725.00	67.7 PK	68.2	-0.5	2.34 H	127	63.3	4.4
7	11220.00	54.9 PK	74.0	-19.1	1.29 H	322	41.1	13.8
8	11220.00	46.2 AV	54.0	-7.8	1.29 H	322	32.4	13.8
9	#16830.00	59.4 PK	68.2	-8.8	2.40 H	13	42.7	16.7
10	22440.00	-	-	-	-	-	-	-
11	#28050.00	-	-	-	-	-	-	-
12	#33660.00	-	-	-	-	-	-	-
13	39270.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

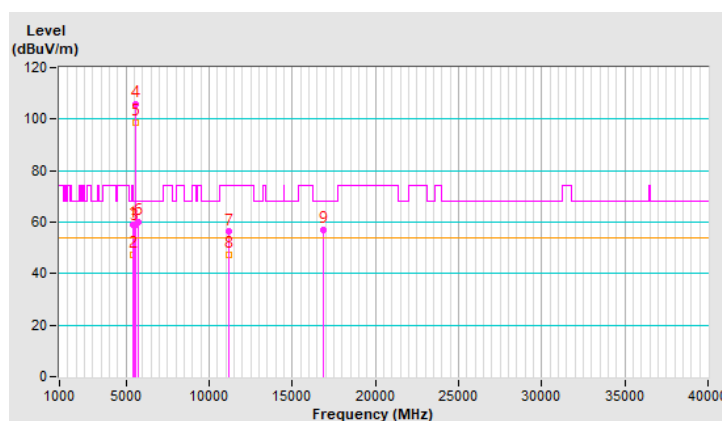


操作模式：	發射 802.11ac (VHT80)	調變技術：	OFDM
基本波頻率：	CH 122 : 5610 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.2 PK	74.0	-14.8	1.54 V	139	55.1	4.1
2	5460.00	47.5 AV	54.0	-6.5	1.54 V	139	43.4	4.1
3	#5470.00	58.3 PK	68.2	-9.9	1.54 V	139	54.1	4.2
4	*5610.00	105.9 PK			1.54 V	139	101.7	4.2
5	*5610.00	98.5 AV			1.54 V	139	94.3	4.2
6	#5725.00	59.9 PK	68.2	-8.3	1.54 V	139	55.5	4.4
7	11220.00	56.2 PK	74.0	-17.8	1.00 V	236	42.4	13.8
8	11220.00	47.3 AV	54.0	-6.7	1.00 V	236	33.5	13.8
9	#16830.00	57.0 PK	68.2	-11.2	1.05 V	360	40.3	16.7
10	22440.00	-	-	-	-	-	-	-
11	#28050.00	-	-	-	-	-	-	-
12	#33660.00	-	-	-	-	-	-	-
13	39270.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

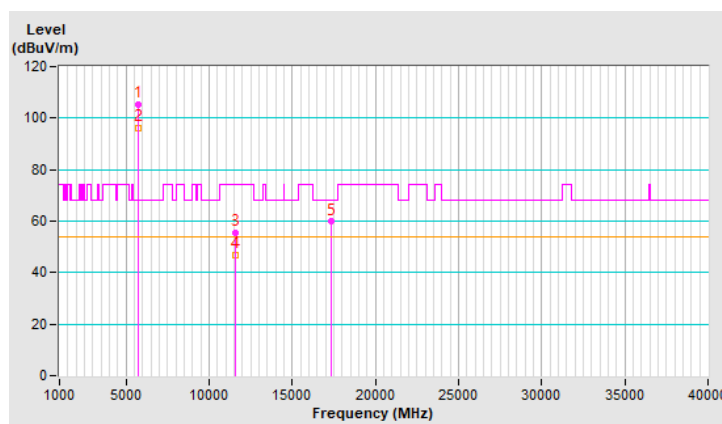


操作模式：	發射 802.11ac (VHT80)	調變技術：	OFDM
基本波頻率：	CH 155 : 5775 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5775.00	105.2 PK			1.00 H	348	100.7	4.5
2	*5775.00	96.3 AV			1.00 H	348	91.8	4.5
3	11550.00	55.3 PK	74.0	-18.7	1.25 H	318	41.4	13.9
4	11550.00	46.8 AV	54.0	-7.2	1.25 H	318	32.9	13.9
5	#17325.00	59.8 PK	68.2	-8.4	2.44 H	17	41.6	18.2
6	23100.00	-	-	-	-	-	-	-
7	#28875.00	-	-	-	-	-	-	-
8	#34650.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

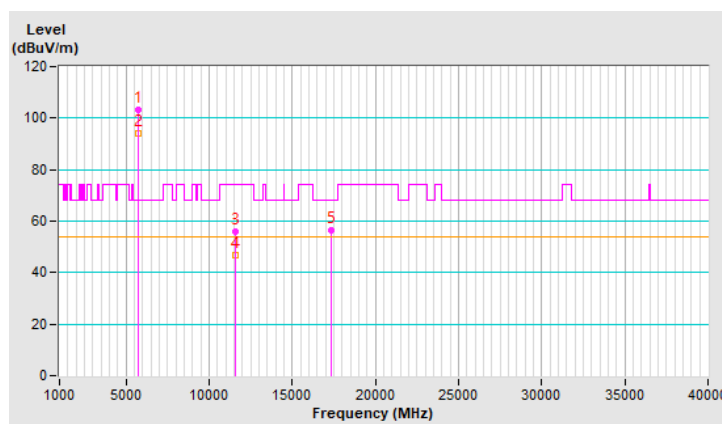


操作模式：	發射 802.11ac (VHT80)	調變技術：	OFDM
基本波頻率：	CH 155 : 5775 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5775.00	103.2 PK			1.00 V	66	98.7	4.5
2	*5775.00	94.3 AV			1.00 V	66	89.8	4.5
3	11550.00	55.9 PK	74.0	-18.1	1.03 V	239	42.0	13.9
4	11550.00	46.9 AV	54.0	-7.1	1.03 V	239	33.0	13.9
5	#17325.00	56.6 PK	68.2	-11.6	1.03 V	360	38.4	18.2
6	23100.00	-	-	-	-	-	-	-
7	#28875.00	-	-	-	-	-	-	-
8	#34650.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.



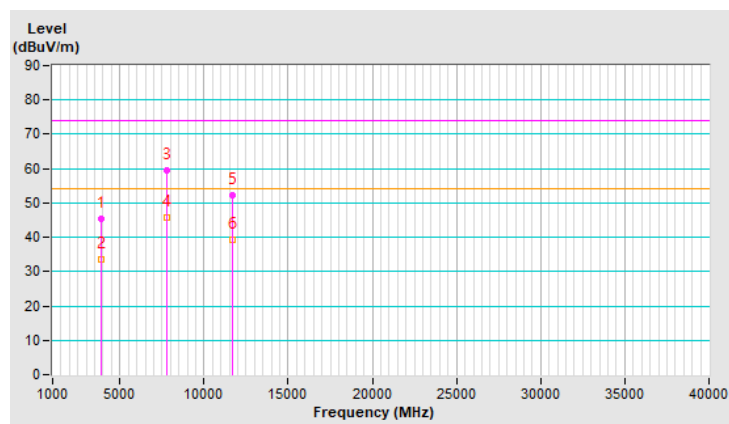
9.6.2 接收諧波

操作模式：	接收		
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	杜維倫

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3883.33	45.3 PK	74.0	-28.7	1.34 H	75	44.1	1.2
2	3883.33	33.5 AV	54.0	-20.5	1.34 H	75	32.3	1.2
3	7766.67	59.6 PK	74.0	-14.4	2.43 H	14	50.4	9.2
4	7766.67	45.6 AV	54.0	-8.4	2.43 H	14	36.4	9.2
5	11650.00	52.1 PK	74.0	-21.9	1.39 H	255	38.1	14.0
6	11650.00	39.2 AV	54.0	-14.8	1.39 H	255	25.2	14.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

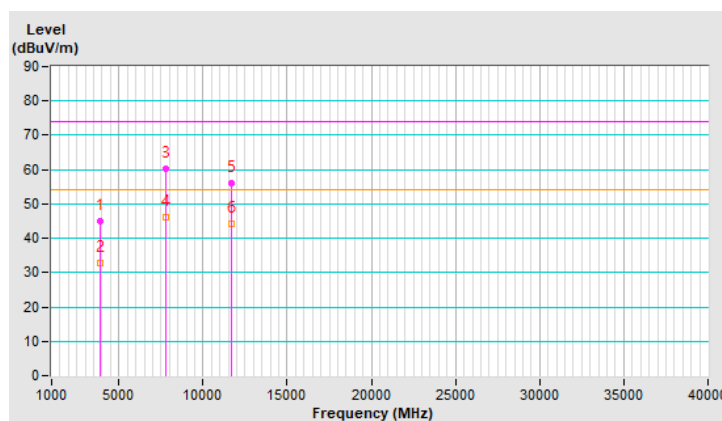


操作模式：	接收		
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	25.0°C	量測場地濕度：	75.0%RH
測試日期：	109 年 9 月 29 日	測試者：	杜維倫

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3883.33	44.9 PK	74.0	-29.1	1.65 V	111	43.7	1.2
2	3883.33	32.9 AV	54.0	-21.1	1.65 V	111	31.7	1.2
3	7766.67	60.2 PK	74.0	-13.8	3.08 V	22	51.0	9.2
4	7766.67	46.2 AV	54.0	-7.8	3.08 V	22	37.0	9.2
5	11650.00	56.2 PK	74.0	-17.8	1.12 V	360	42.2	14.0
6	11650.00	44.3 AV	54.0	-9.7	1.12 V	360	30.3	14.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.



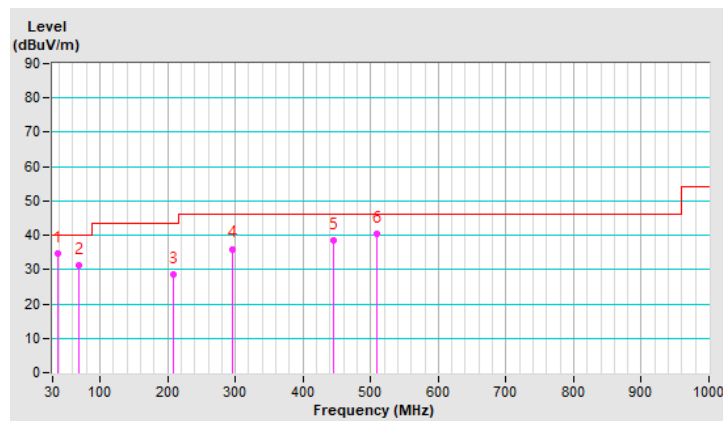
9.6.3 其它不必要之訊號

操作模式：	發射接收 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0°C	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 8 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	37.71	34.6 QP	40.0	-5.4	3.00 H	228	42.9	-8.3
2	69.50	31.1 QP	40.0	-8.9	3.00 H	0	41.0	-9.9
3	207.85	28.5 QP	43.5	-15.0	1.00 H	1	38.5	-10.0
4	296.68	36.0 QP	46.0	-10.0	1.00 H	124	42.0	-6.0
5	445.21	38.5 QP	46.0	-7.5	2.50 H	194	40.0	-1.5
6	509.35	40.3 QP	46.0	-5.7	1.50 H	193	40.4	-0.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



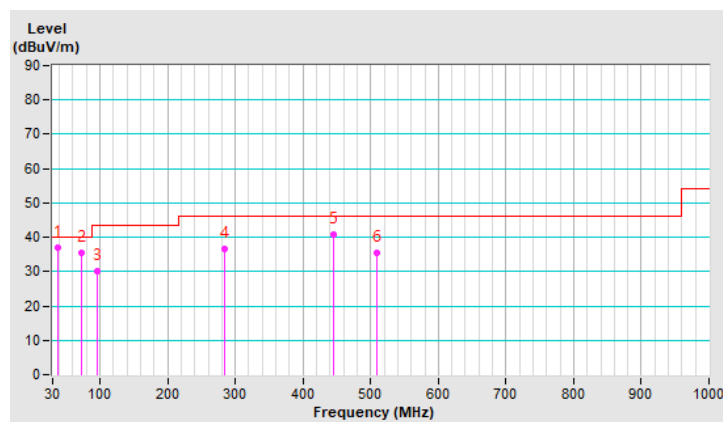
操作模式：	發射接收 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0°C	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 8 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	38.17	36.9 QP	40.0	-3.1	1.00 V	360	45.2	-8.3
2	72.80	35.3 QP	40.0	-4.7	1.00 V	302	46.0	-10.7
3	95.23	30.1 QP	43.5	-13.4	1.50 V	207	42.6	-12.5
4	284.65	36.5 QP	46.0	-9.5	1.50 V	0	42.9	-6.4
5	444.92	40.9 QP	46.0	-5.1	1.00 V	282	42.5	-1.6
6	509.50	35.6 QP	46.0	-10.4	1.00 V	315	35.7	-0.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



9.7 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

9.8 配置照片

請參照 Test Setup Photos (BV 編號: 200605E17)

10 電源線傳導干擾之量測

10.1 適用標準

請見本報告 3.1 節第(1)項的規定。

10.2 量測方法

將待測物置於0.8米高的非金屬桌面，使其操作在工作狀態，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。

10.3 量測儀器

同 5.3 節

10.4 測試配置

同 5.4 節

10.5 干擾值之計算

餘裕度 Margin(dB)= 結果值 Emission level (dBuV)-限制值 Limit value (dBuV)

電源傳導干擾電壓之計算公式如下

結果值 Emission level (dBuV)=校正因子 Correction Factor (dB)+儀器讀值 Reading value (dBuV)

其中校正因子 Correction Factor (dB)為：

饋線損失+電源阻抗模擬網路損失

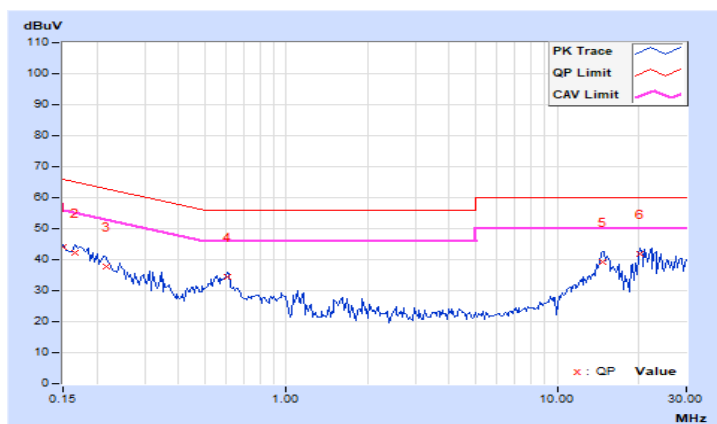
10.6 量測結果

操作模式：	發射接收 802.11ac (VHT20)	基本波頻率：	CH 165 : 5825 MHz
量測頻率範圍：	150kHz ~ 30MHz	檢測器與頻寬：	準峰值 (QP) / 平均值 (AV), 9kHz
量測場地溫度：	25°C	量測場地濕度：	68%RH
測試日期：	109 年 9 月 24 日	測試者：	陳善豐

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.92	34.28	23.71	44.20	33.63	66.00	56.00	-21.80	-22.37
2	0.16562	9.93	32.34	24.68	42.27	34.61	65.18	55.18	-22.91	-20.57
3	0.21641	9.95	27.69	16.71	37.64	26.66	62.96	52.96	-25.32	-26.30
4	0.60313	9.99	24.62	15.74	34.61	25.73	56.00	46.00	-21.39	-20.27
5	14.73438	10.98	28.27	22.74	39.25	33.72	60.00	50.00	-20.75	-16.28
6	20.32813	11.36	30.46	27.20	41.82	38.56	60.00	50.00	-18.18	-11.44

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

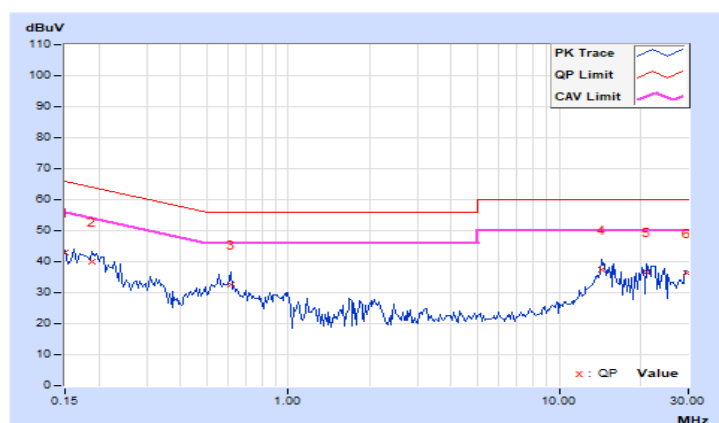


操作模式：	發射接收 802.11ac (VHT20)	基本波頻率：	CH 165 : 5825 MHz
量測頻率範圍：	150kHz ~ 30MHz	檢測器與頻寬：	準峰值 (QP) / 平均值 (AV), 9kHz
量測場地溫度：	25°C	量測場地濕度：	68%RH
測試日期：	109 年 9 月 24 日	測試者：	陳善豐

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.93	33.01	19.15	42.94	29.08	66.00	56.00	-23.06	-26.92
2	0.18906	9.95	30.04	18.31	39.99	28.26	64.08	54.08	-24.09	-25.82
3	0.61094	10.02	22.67	11.40	32.69	21.42	56.00	46.00	-23.31	-24.58
4	14.30469	10.79	26.46	18.29	37.25	29.08	60.00	50.00	-22.75	-20.92
5	21.00000	11.12	25.72	22.38	36.84	33.50	60.00	50.00	-23.16	-16.50
6	29.73047	11.31	24.83	19.15	36.14	30.46	60.00	50.00	-23.86	-19.54

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



10.7 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

10.8 配置照片

請參照 Test Setup Photos (BV 編號: 200605E17)

11 傳導輸出功率量測及發射頻寬之要求

11.1 適用標準

待測物操作頻帶	適用標準
☒ 5.15 GHz~5.25 GHz	請見本報告 3.1 節第(6)項(II)及(4)項(II)的規定
☒ 5.25 GHz~5.35 GHz	請見本報告 3.1 節第(6)項(III)及(4)項(III)的規定
☒ 5.470 GHz~5.725 GHz	請見本報告 3.1 節第(6)項(III)及(4)項(III)的規定
☒ 5.725 GHz~5.850 GHz	請見本報告 3.1 節第(6)項(IV)及(4)項(IV)的規定

11.2 量測方法

傳導輸出功率量測方法:

- 將待測物輸出經由衰減器接到功率計上。
- 設定待測物處於連續發射狀態。
- 計算其最大傳導輸出功率。

發射頻寬量測方法:

- 將待測物輸出經由衰減器接到頻譜分析儀上。
- 設定待測物處於連續發射狀態。
- 最大輸出功率峰值減 26dB 的最大頻率範圍。

11.3 量測儀器

峰值傳導輸出功率量測儀器:同 7.3 節

發射頻寬之量測儀器: 同 6.3 節

11.4 測試配置

峰值傳導輸出功率測試配置:同 7.4 節

發射頻寬之量測儀器: 同 6.4 節

11.5 量測結果

操作模式	發射	測試日期	109 年 10 月 07 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	陳高逸		

802.11a

POWER OUTPUT

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Limit (dBm)	Pass / Fail
36	5180	69.663	18.43	24.00	Pass
40	5200	125.893	21.00	24.00	Pass
48	5240	122.18	20.87	24.00	Pass
52	5260	111.944	20.49	24.00	Pass
60	5300	105.682	20.24	24.00	Pass
64	5320	59.566	17.75	24.00	Pass
100	5500	70.146	18.46	24.00	Pass
116	5580	108.393	20.35	24.00	Pass
140	5700	56.364	17.51	24.00	Pass
149	5745	163.305	22.13	30.00	Pass
157	5785	172.187	22.36	30.00	Pass
165	5825	176.604	22.47	30.00	Pass

Determined Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	46.88	27.7 > 24
60	5300	46.28	27.65 > 24
64	5320	42.03	27.23 > 24
100	5500	45.13	27.54 > 24
116	5580	45.51	27.58 > 24
140	5700	43.08	27.34 > 24

Note: For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	15.38	15.63	71.074	18.52	24.00	Pass
40	5200	18.13	20.02	165.475	22.19	24.00	Pass
48	5240	18.25	19.94	165.462	22.19	24.00	Pass
52	5260	18.19	19.76	160.541	22.06	24.00	Pass
60	5300	18.27	19.58	157.925	21.98	24.00	Pass
64	5320	15.83	15.64	74.926	18.75	24.00	Pass
100	5500	10.76	10.82	23.991	13.80	23.77	Pass
116	5580	17.68	18.92	136.597	21.35	24.00	Pass
140	5700	14.73	14.66	58.958	17.71	23.79	Pass
149	5745	20.22	20.43	215.604	23.34	30.00	Pass
157	5785	20.94	20.63	239.776	23.80	30.00	Pass
165	5825	21.47	20.84	261.62	24.18	30.00	Pass

Determined Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	47.07	27.72 > 24
60	5300	46.69	27.69 > 24
64	5320	41.17	27.14 > 24
100	5500	18.94	23.77 < 24
116	5580	40.71	27.09 > 24
140	5700	19.05	23.79 < 24

Note: For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	12.63	12.52	36.188	15.59	24.00	Pass
46	5230	17.83	19.61	152.085	21.82	24.00	Pass
54	5270	18.26	19.67	159.671	22.03	24.00	Pass
62	5310	13.87	13.76	48.147	16.83	24.00	Pass
102	5510	7.86	8.06	12.507	10.97	24.00	Pass
110	5550	16.58	16.69	92.165	19.65	24.00	Pass
134	5670	16.48	16.76	91.887	19.63	24.00	Pass
151	5755	20.67	20.58	230.969	23.64	30.00	Pass
159	5795	20.83	20.45	231.977	23.65	30.00	Pass

Determined Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	87.38	30.41 > 24
62	5310	53.96	28.32 > 24
102	5510	42.77	27.31 > 24
110	5550	82.67	30.17 > 24
134	5670	72.72	29.61 > 24

Note: For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	11.37	11.76	28.706	14.58	24.00	Pass
58	5290	13.78	13.75	47.592	16.78	24.00	Pass
106	5530	7.55	7.89	11.84	10.73	24.00	Pass
122	5610	17.22	17.34	106.923	20.29	24.00	Pass
155	5775	20.65	20.63	231.756	23.65	30.00	Pass

Determined Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	142.1	32.52 > 24
106	5530	82.5	30.16 > 24
122	5610	170.4	33.31 > 24

Note: For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

26dB OCCUPIED BANDWIDTH

802.11a

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
52	5260	46.88
60	5300	46.28
64	5320	42.03
100	5500	45.13
116	5580	45.51
140	5700	43.08

802.11ac (VHT20)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	47.07	48.89
60	5300	46.69	46.7
64	5320	41.17	41.54
100	5500	18.94	19.89
116	5580	40.71	46.56
140	5700	19.05	24.88

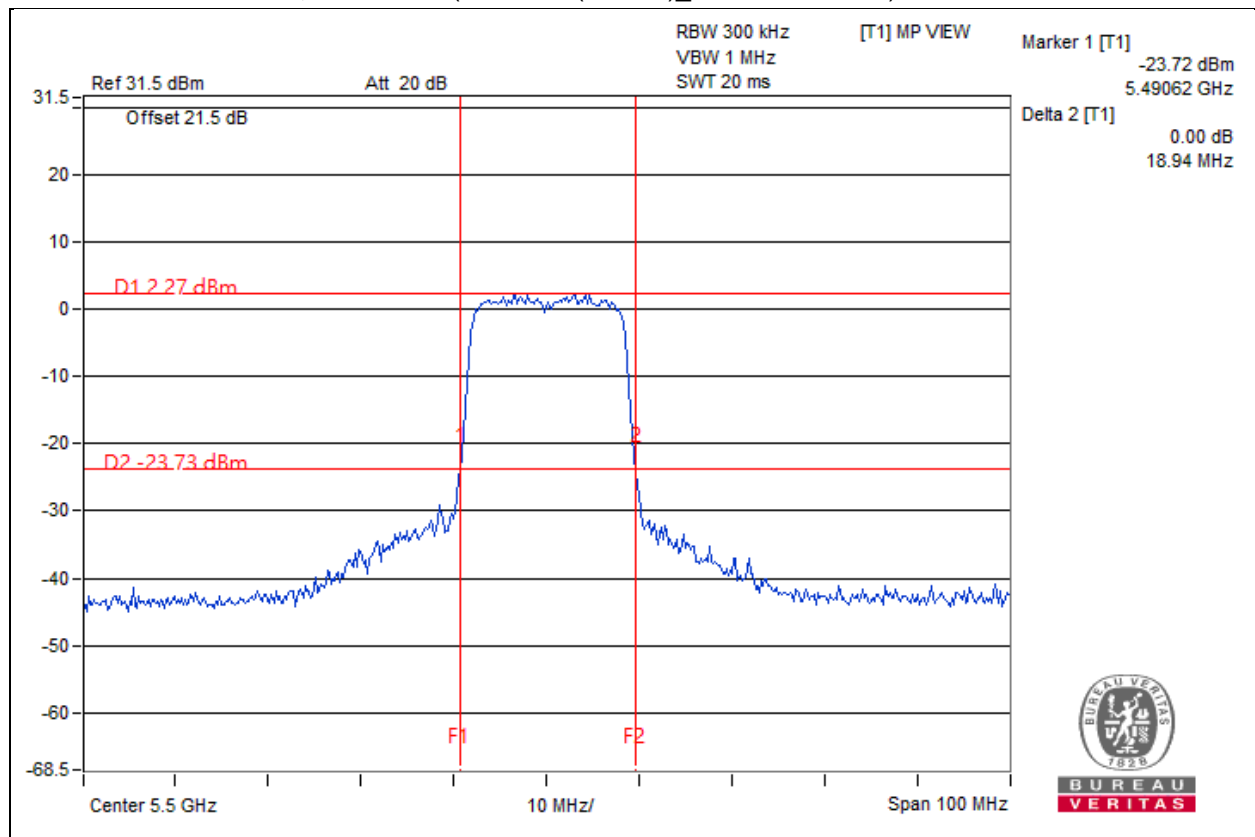
802.11ac (VHT40)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	93.29	87.38
62	5310	68.75	53.96
102	5510	43.18	42.77
110	5550	82.67	84.66
134	5670	72.72	85.02

802.11ac (VHT80)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	153.8	142.1
106	5530	82.5	82.65
122	5610	186.6	170.4

**此測試圖僅放測試結果最差的頻道。(802.11ac (VHT20)_Chain 0 / CH100)



11.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

12 功率頻譜密度之量測

12.1 適用標準

	待測物操作頻帶	適用標準
☒	5.15 GHz~5.25 GHz	請見本報告 3.1 節第(7)項(II)及(4)項(II)的規定
☒	5.25 GHz~5.35 GHz	請見本報告 3.1 節第(7)項(III)及(4)項(III)的規定
☒	5.470 GHz~5.725 GHz	請見本報告 3.1 節第(7)項(III)及(4)項(III)的規定
☒	5.725 GHz~5.850 GHz	請見本報告 3.1 節第(7)項(IV)及(4)項(IV)的規定

12.2 量測方法

	待測物操作頻帶	KDB 789033 D02 量測方法	KDB 662911 D01 量測方法
☒	5.15 GHz~5.25 GHz	☒ SA-1 ☐ SA-1 alternative ☒ SA-2 ☐ SA-2 alternative ☐ SA-3 ☐ SA-3 alternative	☒ Section E)2)a) ☐ Section E)2)b) ☐ Section E)2)c)
☒	5.25 GHz~5.35 GHz	☒ SA-1 ☐ SA-1 alternative ☒ SA-2 ☐ SA-2 alternative ☐ SA-3 ☐ SA-3 alternative	☒ Section E)2)a) ☐ Section E)2)b) ☐ Section E)2)c)
☒	5.470 GHz~5.725 GHz	☒ SA-1 ☐ SA-1 alternative ☒ SA-2 ☐ SA-2 alternative ☐ SA-3 ☐ SA-3 alternative	☒ Section E)2)a) ☐ Section E)2)b) ☐ Section E)2)c)
☒	5.725 GHz~5.850 GHz	☒ SA-1 ☐ SA-1 alternative ☒ SA-2 ☐ SA-2 alternative ☐ SA-3 ☐ SA-3 alternative	☐ Section E)2)a) ☒ Section E)2)b) ☐ Section E)2)c)

For U-NII-1, U-NII-2A, U-NII-2C band:

802.11a, 802.11ac (VHT20)

Using method SA-1

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 1 MHz, Set VBW $\geq$ 3 MHz, Detector = RMS
3. Sweep time = auto, trigger set to "free run".
4. Trace average at least 100 traces in power averaging mode.
5. Record the max value

802.11ac (VHT40), 802.11ac (VHT80)

Using method SA-2

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 1 MHz, Set VBW $\geq$ 3 MHz, Detector = RMS
3. Sweep time = auto, trigger set to "free run".
4. Trace average at least 100 traces in power averaging mode.
5. Record the max value and add 10 log (1/duty cycle)

For U-NII-3 band:

802.11a, 802.11ac (VHT20)

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 300 kHz, Set VBW $\geq$ 1 MHz, Detector = RMS
3. Use the peak marker function to determine the maximum power level in any 300 kHz band segment within the fundamental EBW.
4. Scale the observed power level to an equivalent value in 500 kHz by adjusting (increasing) the measured power by a bandwidth correction factor (BWCF) where $BWCF = 10\log(500 \text{ kHz}/300\text{kHz})$
5. Sweep time = auto, trigger set to "free run".
6. Trace average at least 100 traces in power averaging mode.
7. Record the max value

802.11ac (VHT40), 802.11ac (VHT80)

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 300 kHz, Set VBW $\geq$ 1 MHz, Detector = RMS
3. Use the peak marker function to determine the maximum power level in any 300 kHz band segment within the fundamental EBW.
4. Scale the observed power level to an equivalent value in 500 kHz by adjusting (increasing) the measured power by a bandwidth correction factor (BWCF) where $BWCF = 10\log(500 \text{ kHz}/300\text{kHz})$
5. Sweep time = auto, trigger set to "free run".
6. Trace average at least 100 traces in power averaging mode.
7. Record the max value and add $10 \log (1/\text{duty cycle})$

- 12.3 量測儀器
同 8.3 節。
- 12.4 測試配置
同 8.4 節

12.5 量測結果

操作模式	發射	測試日期	109 年 10 月 07 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	陳高逸		

For U-NII-1, U-NII-2A, U-NII-2C band

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
36	5180	4.02	11.00	Pass
40	5200	5.71	11.00	Pass
48	5240	5.26	11.00	Pass
52	5260	4.96	11.00	Pass
60	5300	4.63	11.00	Pass
64	5320	3.38	11.00	Pass
100	5500	3.79	11.00	Pass
116	5580	4.19	11.00	Pass
140	5700	4.00	11.00	Pass

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
36	5180	0.98	1.24	4.12	9.66	Pass
40	5200	3.50	4.79	7.20	9.66	Pass
48	5240	2.70	4.34	6.61	9.66	Pass
52	5260	3.83	3.96	6.91	9.66	Pass
60	5300	3.96	3.27	6.64	9.66	Pass
64	5320	1.48	1.67	4.59	9.66	Pass
100	5500	-2.93	-3.39	-0.14	9.66	Pass
116	5580	3.13	2.19	5.70	9.66	Pass
140	5700	0.41	0.34	3.38	9.66	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. The directional gain = $10 \log[(10^{G0/20} + 10^{G1/20})^2 / 2] = 7.34 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $11 - (7.34 - 6) = 9.66 \text{ dBm/MHz}$.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
38	5190	-4.04	-3.76	0.14	-0.74	9.66	Pass
46	5230	0.08	1.93	0.14	4.26	9.66	Pass
54	5270	0.20	0.69	0.14	3.61	9.66	Pass
62	5310	-3.76	-3.33	0.14	-0.39	9.66	Pass
102	5510	-8.41	-8.47	0.14	-5.29	9.66	Pass
110	5550	-0.11	-0.60	0.14	2.81	9.66	Pass
134	5670	-0.09	-0.35	0.14	2.94	9.66	Pass

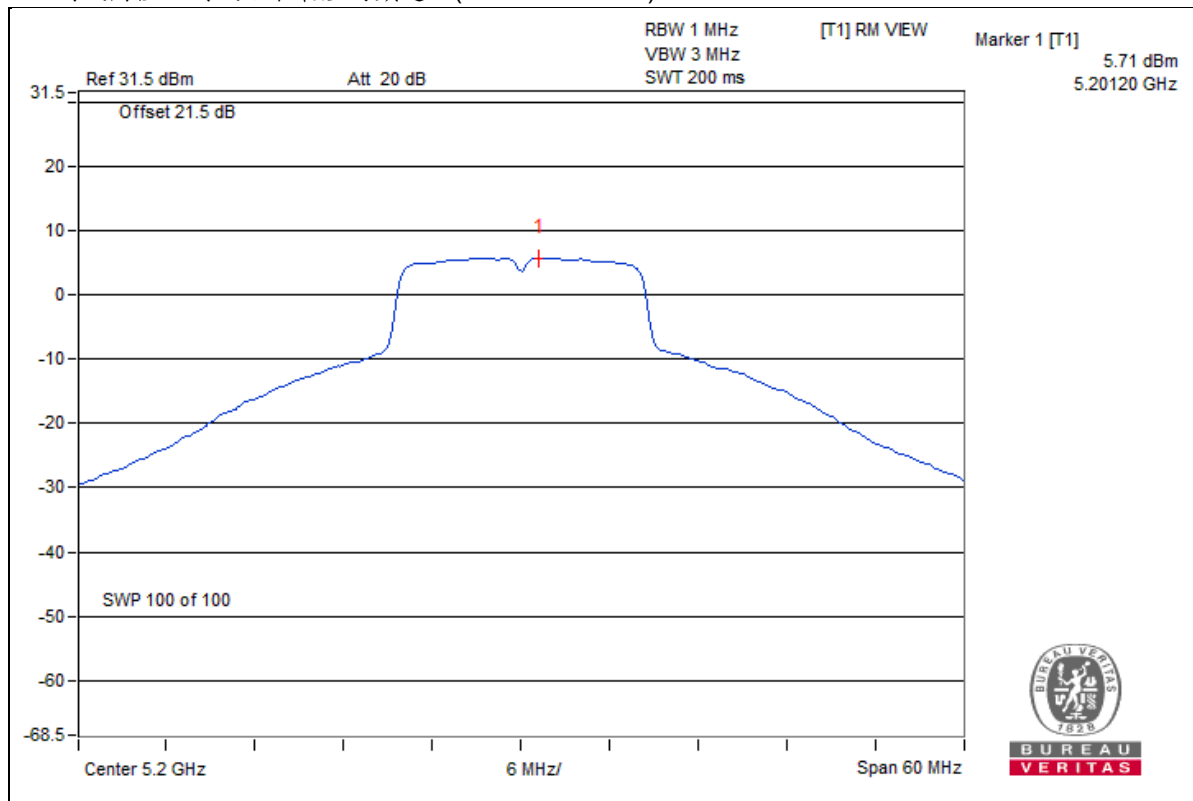
- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. The directional gain $= 10 \log[(10^{G0/20} + 10^{G1/20})^2 / 2] = 7.34 \text{ dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (7.34 - 6) = 9.66 \text{ dBm/MHz}$.
3. Refer to section 2.1 for duty cycle spectrum plot.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
42	5210	-8.14	-7.94	0.26	-4.77	9.66	Pass
58	5290	-6.45	-5.87	0.26	-2.88	9.66	Pass
106	5530	-11.83	-11.47	0.26	-8.37	9.66	Pass
122	5610	-2.14	-3.75	0.26	0.40	9.66	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. The directional gain $= 10 \log[(10^{G0/20} + 10^{G1/20})^2 / 2] = 7.34 \text{ dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (7.34 - 6) = 9.66 \text{ dBm/MHz}$.
3. Refer to section 2.1 for duty cycle spectrum plot.

**此測試圖僅放測試結果最差的頻道。(802.11a / CH40)



For U-NII-3 band

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
149	5745	-1.83	0.39	30.00	Pass
157	5785	-0.87	1.35	30.00	Pass
165	5825	-1.05	1.17	30.00	Pass

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain 0	Chain 1				
149	5745	-1.50	-4.06	0.42	2.64	28.66	Pass
157	5785	-0.81	-3.09	1.21	3.43	28.66	Pass
165	5825	-0.30	-2.01	1.94	4.16	28.66	Pass

- Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
 2. The directional gain = $10 \log[(10^{G0/20} + 10^{G1/20})^2 / 2] = 7.34 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $30 - (7.34 - 6) = 28.66 \text{ dBm/500kHz}$.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Duty Factor (dB)	Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain 0	Chain 1					
151	5755	-4.99	-6.74	0.14	-2.62	-0.40	28.66	Pass
159	5795	-4.01	-6.28	0.14	-1.84	0.38	28.66	Pass

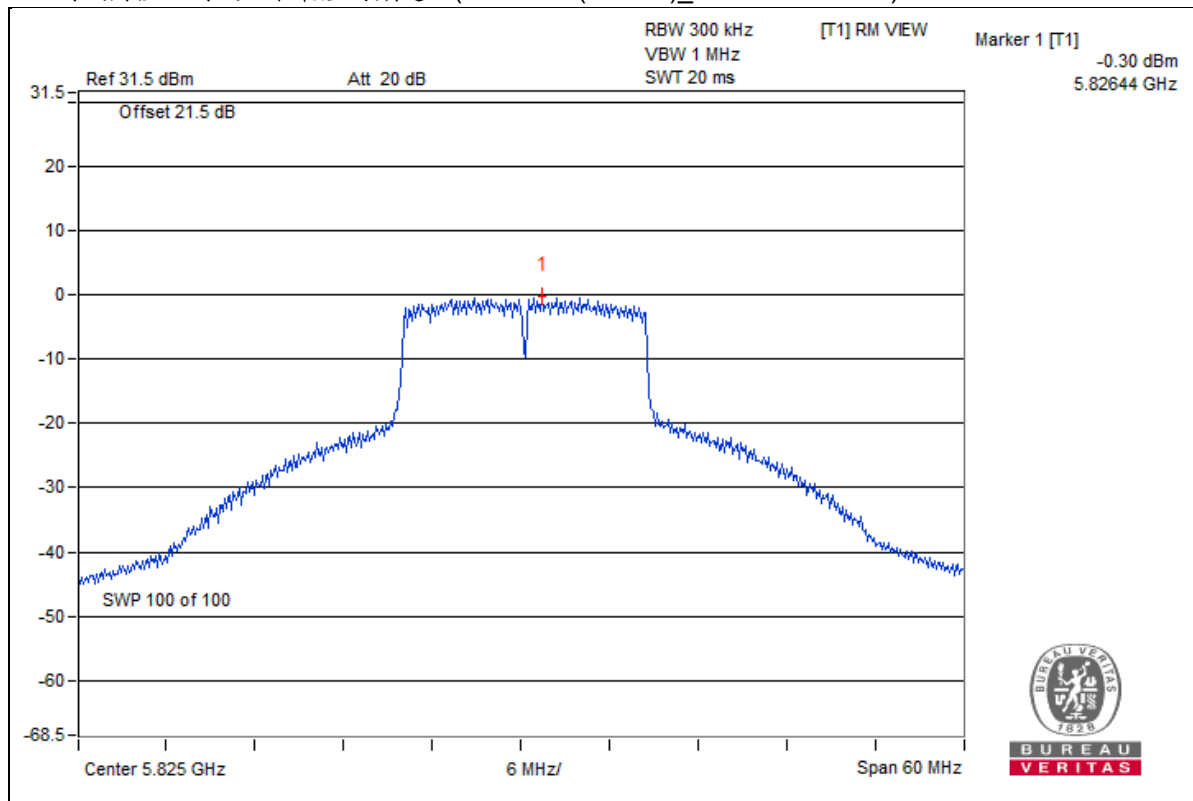
- Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
 2. The directional gain = $10 \log[(10^{G0/20} + 10^{G1/20})^2 / 2] = 7.34 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $30 - (7.34 - 6) = 28.66 \text{ dBm/500kHz}$.
 3. Refer to section 2.1 for duty cycle spectrum plot.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Duty Factor (dB)	Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain 0	Chain 1					
155	5775	-7.66	-9.43	0.26	-5.18	-2.96	28.66	Pass

- Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
 2. The directional gain = $10 \log[(10^{G0/20} + 10^{G1/20})^2 / 2] = 7.34 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $30 - (7.34 - 6) = 28.66 \text{ dBm/500kHz}$.
 3. Refer to section 2.1 for duty cycle spectrum plot.

**此測試圖僅放測試結果最差的頻道。(802.11ac (VHT20)_Chain 0 / CH165)



12.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

13 6 dB 頻寬之要求

13.1 適用標準

待測物操作頻帶	適用標準
☒ 5.725 GHz~5.850 GHz	請見本報告 3.1 節第(5)項(II)的規定

13.2 量測方法

- a) 將待測物輸出經由衰減器接到頻譜分析儀上。
- b) 設定待測物處於連續發射狀態。
- c) 計算由最大輸出功率峰值減6dB的最大頻率範圍。

13.3 量測儀器

同 6.3 節。

13.4 測試配置

同 6.4 節。

13.5 量測結果

操作模式	發射	測試日期	109 年 10 月 07 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	陳高逸		

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
149	5745	16.36	0.5	Pass
157	5785	16.34	0.5	Pass
165	5825	16.36	0.5	Pass

802.11ac (VHT20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Minimum	
149	5745	16.35	16.31	0.5	Pass
157	5785	16.33	16.34	0.5	Pass
165	5825	16.37	16.92	0.5	Pass

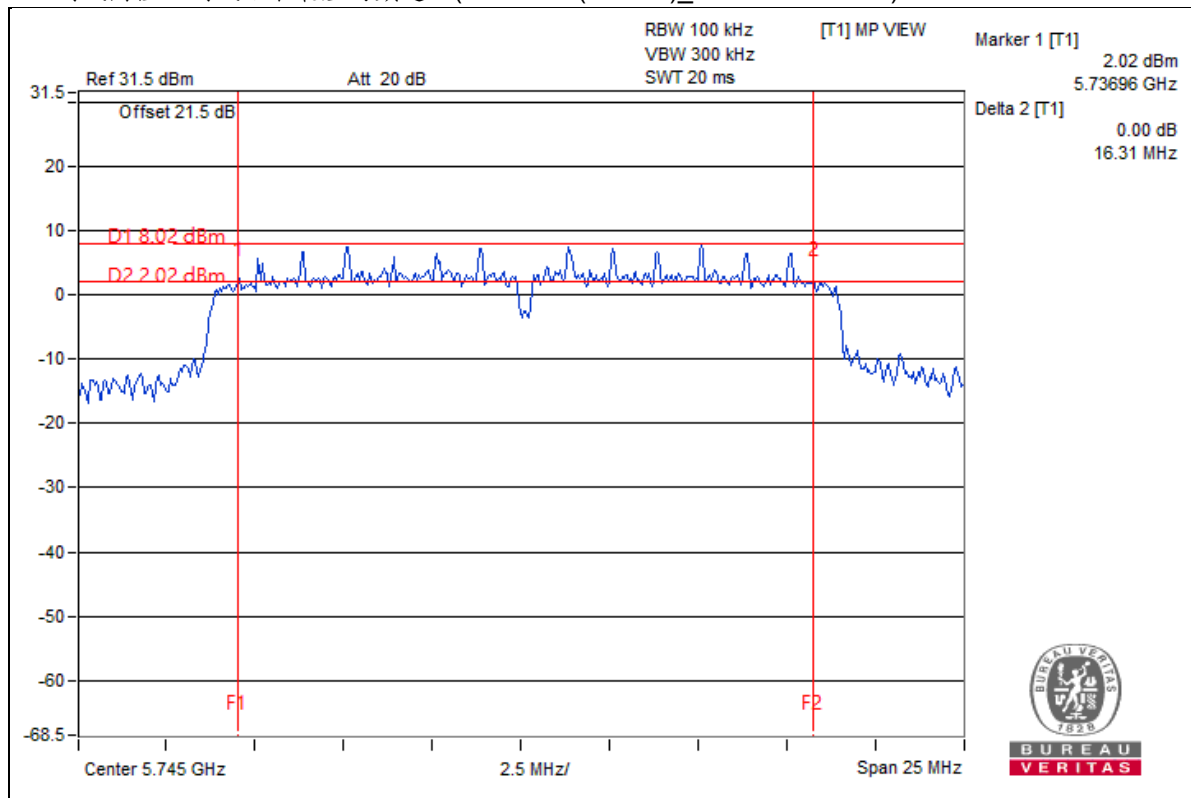
802.11ac (VHT40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Minimum	
151	5755	35.18	35.11	0.5	Pass
159	5795	35.16	35.14	0.5	Pass

802.11ac (VHT80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Minimum	
155	5775	67.67	66.44	0.5	Pass

**此測試圖僅放測試結果最差的頻道。(802.11ac (VHT20)_Chain 1 / CH149)



13.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

14 電波暴露量之評估

14.1 適用標準

請見本報告 3.1 節第(12)項的規定。

14.2 評估方法

a) 以 7.5 及 11.5 節所測得的最大輸出功率值再加上待測物天線的增益值(Gain)帶入下面公式換算出待測物所輻射的功率密度。

b) $P_d = (P_{out} * G) / (4 * \pi * r^2)$

where

P_d = power density in mW/cm^2

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

R = distance between observation point and center of the radiator in cm

14.3 評估結果

Operation Mode	Evaluation Frequency (MHz)	Max Power (dBm)	Max. Average Power (mW)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)
WLAN (2.4GHz)	2412~2462	22.30	169.981	6.06	20	0.13650	1
WLAN (5GHz U-NII-1)	5180~5240	22.19	165.475	7.34	20	0.17843	1
WLAN (5GHz U-NII-2A)	5260~5320	22.06	160.541	7.34	20	0.17311	1
WLAN (5GHz U-NII-2C)	5500~5700	21.35	136.597	7.34	20	0.14729	1
WLAN (5GHz U-NII-3)	5745~5825	24.18	261.62	7.34	20	0.28210	1
BT-EDR	2402~2480	7.55	5.689	3.39	20	0.00247	1
BT-LE	2402~2480	6.05	4.027	3.39	20	0.00175	1

NOTE:

2.4GHz: The directional gain = $10 \log[(10^{G0/20} + 10^{G1/20})^2 / 2] = 6.06$ dBi

5GHz: The directional gain = $10 \log[(10^{G0/20} + 10^{G1/20})^2 / 2] = 7.34$ dBi

Conclusion:

The formula of calculated the MPE is:

$CPD1 / LPD1 + CPD2 / LPD2 + \dots \text{etc.} < 1$

CPD = Calculation power density

LPD = Limit of power density

WLAN (2.4GHz) + WLAN (5GHz) = $0.13650 / 1 + 0.28210 / 1 = 0.41860$

WLAN (2.4GHz) + Bluetooth = $0.13650 / 1 + 0.00247 / 1 = 0.13897$

WLAN (5GHz) + Bluetooth = $0.28210 / 1 + 0.00247 / 1 = 0.28457$

Therefore the maximum calculations of above situations are less than the “1” limit.

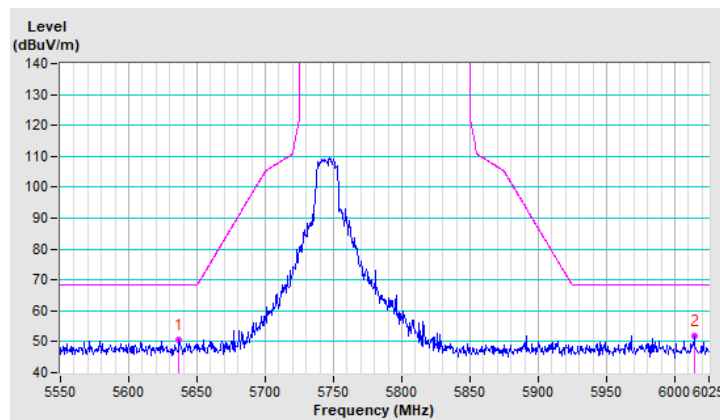
Annex A- Radiated Out of Band Emission (OOBE) Measurement (For U-NII-3 band)

操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0℃	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 26 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5636.57	50.5 PK	68.2	-17.7	1.00 H	178	46.2	4.3
2	#6014.47	52.0 PK	68.2	-16.2	1.00 H	178	46.9	5.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.



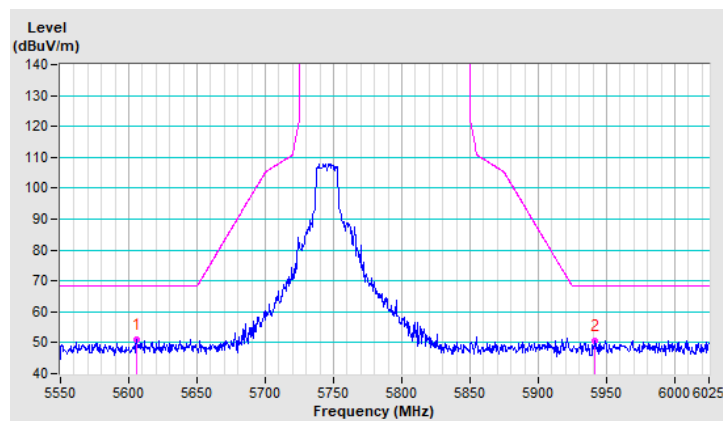
操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0℃	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 26 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5606.07	50.9 PK	68.2	-17.3	1.04 V	75	46.7	4.2
2	#5941.73	50.6 PK	68.2	-17.6	1.04 V	75	45.6	5.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.



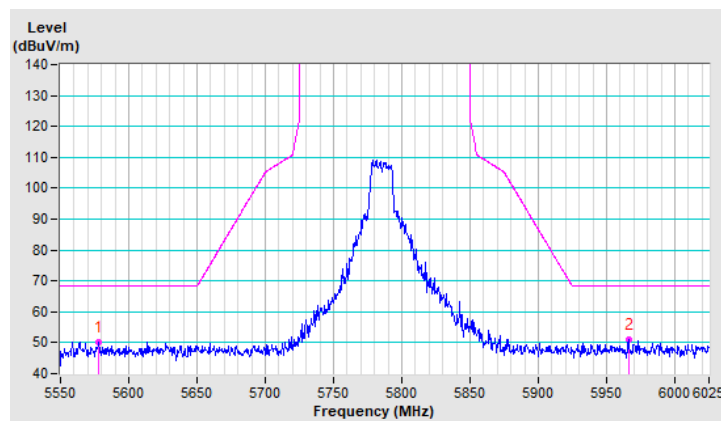
操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 26 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5578.07	50.3 PK	68.2	-17.9	1.08 H	176	46.0	4.3
2	#5966.52	50.9 PK	68.2	-17.3	1.08 H	176	46.0	4.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.



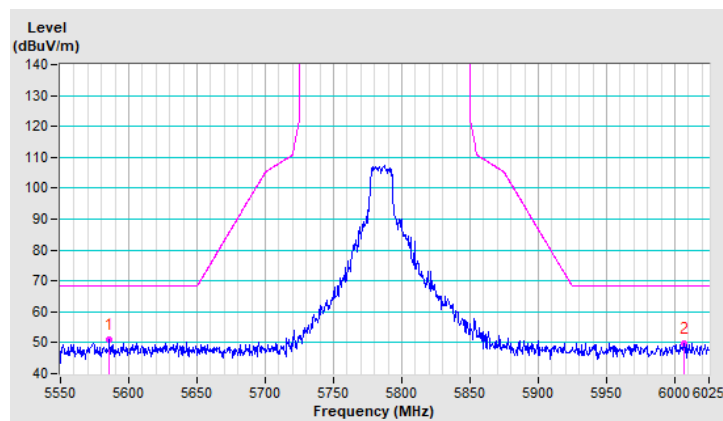
操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 26 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5585.84	51.1 PK	68.2	-17.1	1.10 V	72	46.8	4.3
2	#6006.70	49.9 PK	68.2	-18.3	1.10 V	72	44.8	5.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.



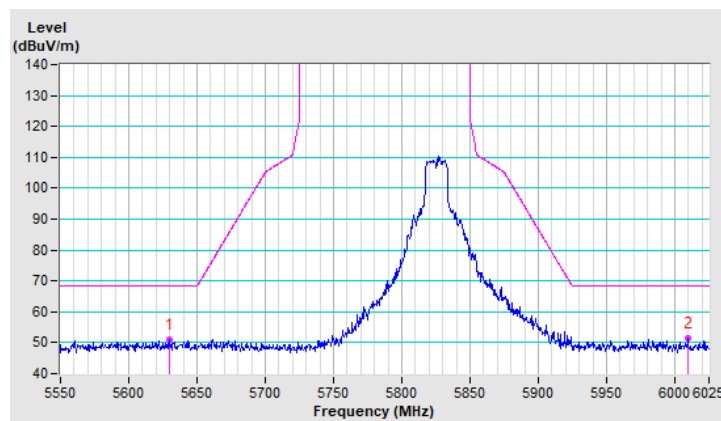
操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0℃	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 26 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5629.74	51.1 PK	68.2	-17.1	1.08 H	177	46.8	4.3
2	#6009.37	51.4 PK	68.2	-16.8	1.08 H	177	46.3	5.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.



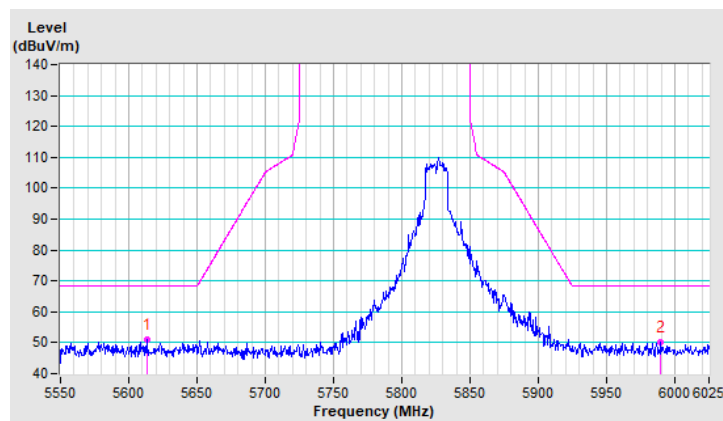
操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0℃	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 26 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5613.28	50.9 PK	68.2	-17.3	1.10 V	67	46.7	4.2
2	#5989.72	50.2 PK	68.2	-18.0	1.10 V	67	45.1	5.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.



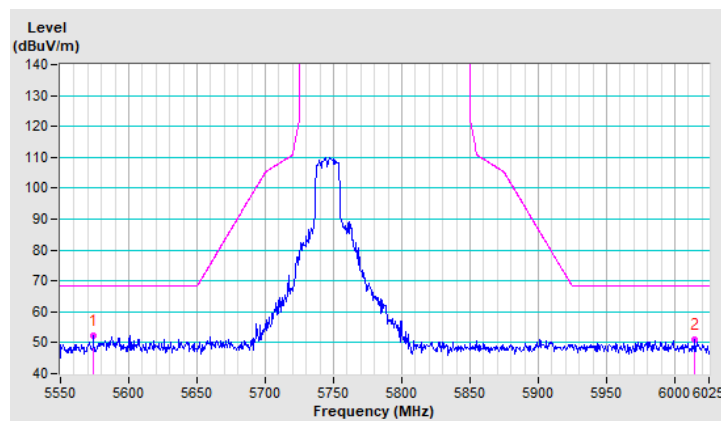
操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 26 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5574.08	52.2 PK	68.2	-16.0	1.02 H	333	47.9	4.3
2	#6014.78	51.0 PK	68.2	-17.2	1.02 H	333	45.9	5.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.



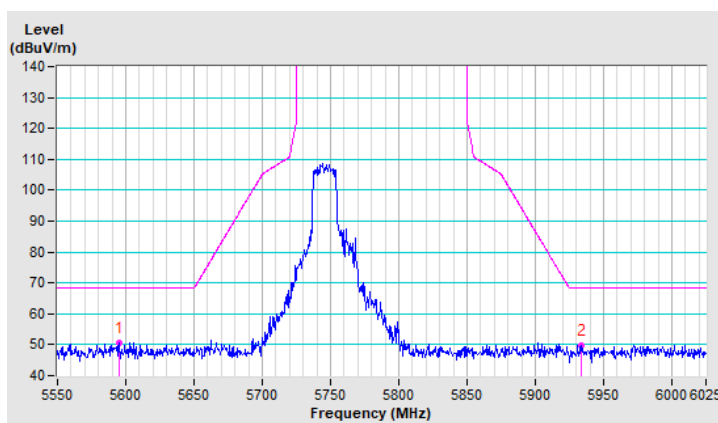
操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 26 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5594.96	50.7 PK	68.2	-17.5	1.24 V	235	46.4	4.3
2	#5933.70	49.8 PK	68.2	-18.4	1.24 V	235	44.9	4.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.



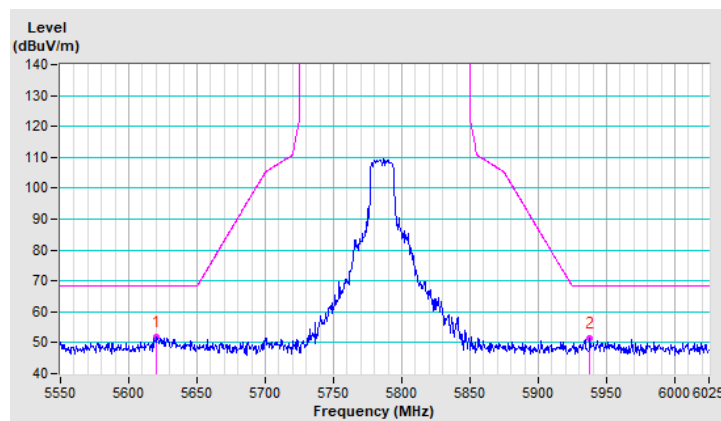
操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 26 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5620.38	51.8 PK	68.2	-16.4	1.00 H	340	47.5	4.3
2	#5937.59	51.4 PK	68.2	-16.8	1.00 H	340	46.4	5.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.



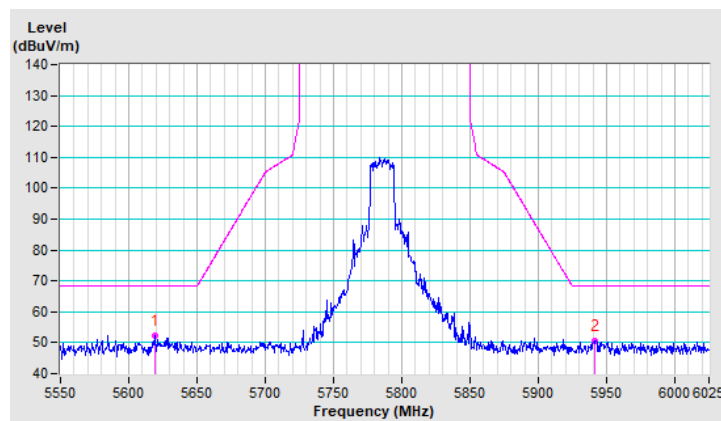
操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 26 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5618.76	52.4 PK	68.2	-15.8	1.02 V	237	48.1	4.3
2	#5941.80	50.7 PK	68.2	-17.5	1.02 V	237	45.7	5.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.



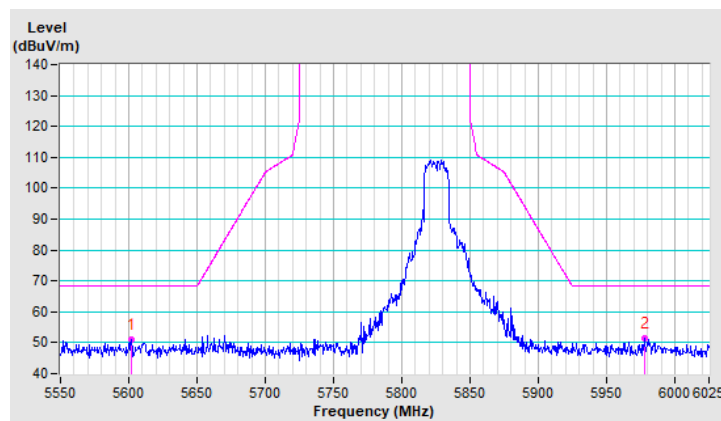
操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 26 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5601.77	50.9 PK	68.2	-17.3	1.12 H	347	46.7	4.2
2	#5977.43	51.6 PK	68.2	-16.6	1.12 H	347	46.7	4.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.



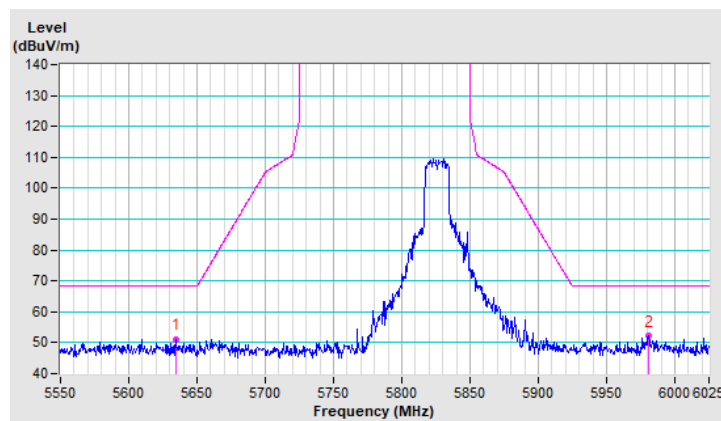
操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 26 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5634.21	51.0 PK	68.2	-17.2	1.00 V	235	46.7	4.3
2	#5980.74	52.1 PK	68.2	-16.1	1.00 V	235	47.2	4.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.



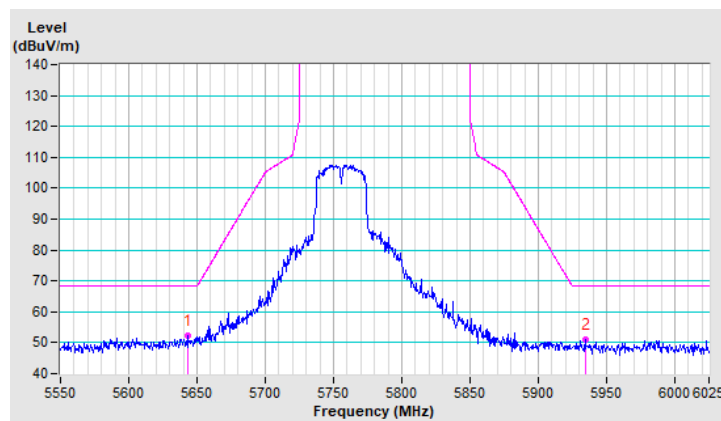
操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 151 : 5755 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 26 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.92	52.3 PK	68.2	-15.9	1.00 H	349	48.0	4.3
2	#5934.32	50.9 PK	68.2	-17.3	1.00 H	349	46.0	4.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.



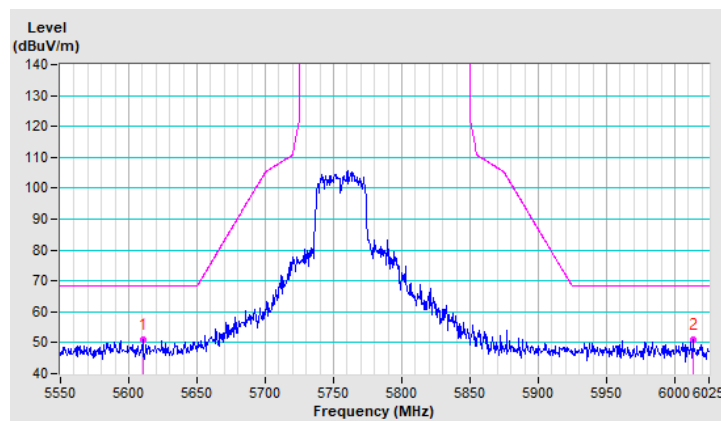
操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 151 : 5755 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 26 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5610.28	50.9 PK	68.2	-17.3	1.00 V	238	46.7	4.2
2	#6013.09	51.0 PK	68.2	-17.2	1.00 V	238	45.9	5.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

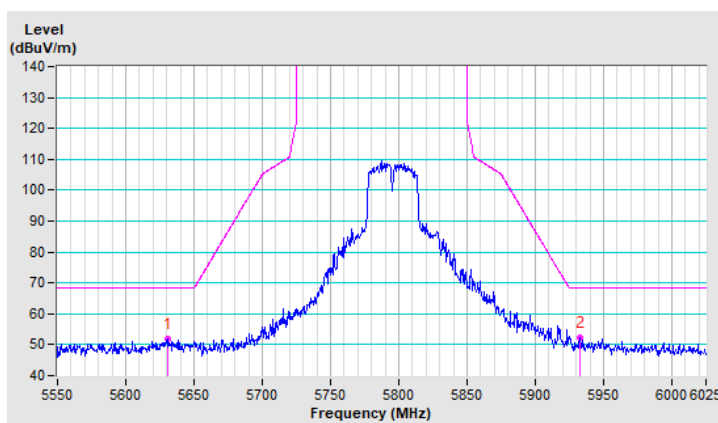


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 159 : 5795 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 26 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5630.58	51.9 PK	68.2	-16.3	1.00 H	347	47.6	4.3
2	#5932.39	52.4 PK	68.2	-15.8	1.00 H	347	47.5	4.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.



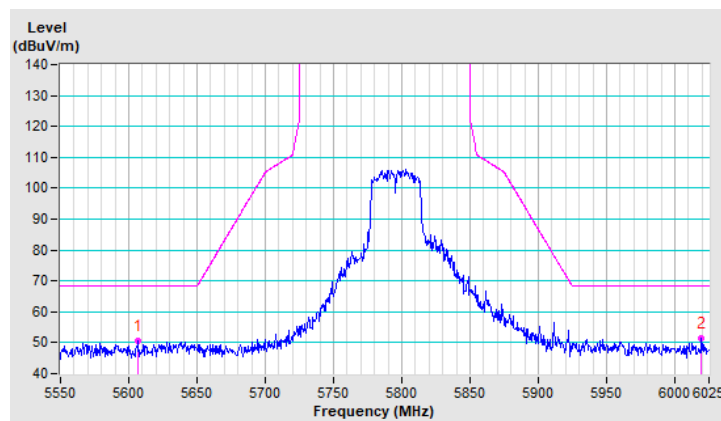
操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 159 : 5795 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 26 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5607.13	50.5 PK	68.2	-17.7	1.00 V	235	46.3	4.2
2	#6019.47	51.6 PK	68.2	-16.6	1.00 V	235	46.5	5.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.



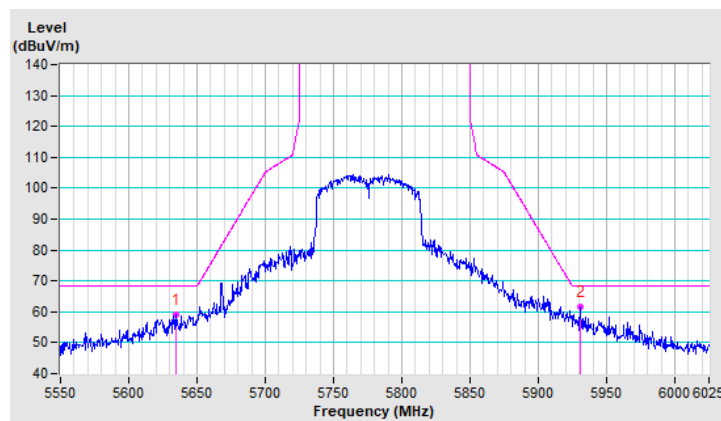
操作模式：	發射 802.11ac (VHT80)	調變技術：	OFDM
基本波頻率：	CH 155 : 5775 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 26 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5634.98	59.0 PK	68.2	-9.2	1.00 H	348	54.7	4.3
2	#5930.48	61.8 PK	68.2	-6.4	1.00 H	348	56.9	4.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.



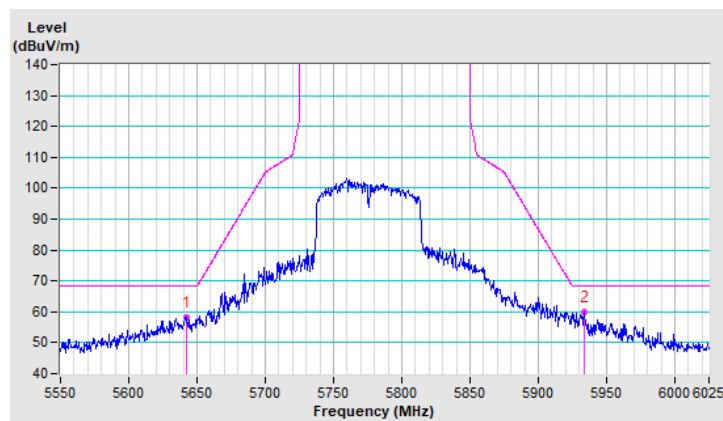
操作模式：	發射 802.11ac (VHT80)	調變技術：	OFDM
基本波頻率：	CH 155 : 5775 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	70.0%RH
測試日期：	109 年 9 月 26 日	測試者：	楊立豪

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.04	58.1 PK	68.2	-10.1	1.00 V	66	53.8	4.3
2	#5933.76	60.1 PK	68.2	-8.1	1.00 V	66	55.2	4.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.



15 檢測實驗室基本資料

立德國際商品試驗有限公司桃園分公司提供產業界最佳的檢測以及諮詢服務。
本公司為 ISO/IEC 17025 認可實驗室。

如您有任何問題或建議，請與下列實驗室聯絡：

林口 EMC / RF 實驗室：

Tel: 886-2-26052180

Fax: 886-2-26051924

新竹 EMC / RF 及通訊實驗室：

Tel: 886-3-6668565

Fax: 886-3-6668323

華亞 EMC / RF / Safety 實驗室：

Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com

Web Site: www.bureauveritas-adt.com

您也可以在我們的網站內找到各實驗室的地圖。

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