

低功率射頻電機技術規範測試報告

報告編號.	RT170120D01B
申請者	網件有限公司
產品名稱	AC750 無線路由器
型號	R6020
製造廠商	Netgear, Inc.
商標或廠牌	NETGEAR
該產品樣品試驗 依據之試驗標準	國家通訊傳播委員會低功率射頻電機技術規範 105 年 8 月 23 日修訂
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 林口實驗室

日期: 106 年 7 月 14 日

報告簽署人簽章:

賴正軒



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報告發行紀錄

Issue No.	Description	Date Issued
RT170120D01B	Original release.	106 年 7 月 14 日

證 明 書

發行日期：106 年 7 月 14 日

產 品 名 稱：AC750 無線路由器
商 標：NETGEAR
型 號：R6020
申 請 者：網件有限公司
量 測 規 範：低功率射頻電機技術規範 LP0002
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一組(型號：R6020)，收件日期 106 年 1 月 20 日，於 106 年 1 月 23 日至 106 年 7 月 12 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“低功率射頻電機技術規範”、“低功率電波輻射性電機管理辦法”及“電信管制射頻器材審驗辦法”製作測試結果報告。

特 此 證 明 ！

報告製作者：



張嘉宴 / 高級專員

， 日 期：106 年 7 月 14 日

審 核 者：



賴正軒 / 副理

， 日 期：106 年 7 月 14 日

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：新北市林口區嘉寶里 14 鄰 47-2 號

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 低功率射頻電機量測記錄表

申請廠商：網件有限公司

製造廠商：Netgear, Inc.

申請廠商地址：台北市內湖區基湖路3巷9號3樓

廠牌：NETGEAR

產品名稱：AC750 無線路由器

型號：R6020

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 林口實驗室

量測單位地址：新北市林口區嘉寶里14鄰47-2號

量測單位認可編號：TAF 2021 (9kHz~40GHz)

量測規範：低功率射頻電機技術規範 LP0002

ANSI C63.10-2013

KDB 558074

KDB 662911

KDB 789033

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	低功率射頻電機技術規範 3.10.1.5 節	合格
2	電源線傳導干擾	低功率射頻電機技術規範 2.3 節	合格
4	6 dB 頻寬	低功率射頻電機技術規範 3.10.1.6 節	合格
5	峰值傳導輸出功率	低功率射頻電機技術規範 3.10.1.2 節	合格
6	功率頻譜密度	低功率射頻電機技術規範 3.10.1.6 節	合格

WLAN 5.150~5.250GHz 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	低功率射頻電機技術規範 2.3 節	合格
2	帶外發射	低功率射頻電機技術規範 4.7.4 節	合格
3	最大傳導輸出功率	低功率射頻電機技術規範 4.7.3.1 節	合格
4	最大功率頻譜密度	低功率射頻電機技術規範 4.7.3.1 節	合格

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	低功率射頻電機技術規範 2.3 節	合格
2	帶外發射	低功率射頻電機技術規範 4.7.4 節	合格
3	最大傳導輸出功率	低功率射頻電機技術規範 4.7.3.3 節	合格
4	最大功率頻譜密度	低功率射頻電機技術規範 4.7.3.3 節	合格
5	6dB 頻寬	低功率射頻電機技術規範 4.7.5 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	低功率射頻電機技術規範第 5.20.2 節	合格

2 一般敘述

2.1 待測設備

產品名稱：	AC750 無線路由器	
型號：	R6020	
額定電源：	12Vdc (adapter)	
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: 11.0/ 5.5/ 2.0/ 1.0Mbps 802.11g/a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to 300Mbps 802.11ac: up to 867Mbps	
載波頻率：	2.4GHz	2412 ~ 2462MHz
	5.0GHz	5180 ~ 5240MHz, 5745 ~ 5825MHz
頻道數：	2.4GHz	802.11b, 802.11g, 802.11n (20MHz): 11 802.11n (40MHz): 7
	5.0GHz	5180 ~ 5240MHz 802.11a, 802.11n (20MHz), 802.11ac (20MHz): 4 802.11n (40MHz), 802.11ac (40MHz): 2 802.11ac (80MHz): 1 5745 ~ 5825MHz: 802.11a, 802.11n (20MHz), 802.11ac (20MHz): 5 802.11n (40MHz), 802.11ac (40MHz): 2 802.11ac (80MHz): 1
發射功率(電場強度)：	2.4GHz	26.18dBm
	5.0GHz	5180 ~ 5240MHz: 24.84dBm 5745 ~ 5825MHz: 24.59dBm
天線種類：	見註	
電源線類別：	見註	
信號線類別：	N/A	
配件：	Adapter	

註 1: 此待測物之技術的種類為2Tx / 2Rx之組合。

Modulation Mode	Tx Function
802.11b	2TX
802.11g	2TX
802.11n (20MHz)	2TX
802.11n (40MHz)	2TX
802.11a	2TX
802.11n (20MHz)	2TX
802.11n (40MHz)	2TX
802.11ac (20MHz)	2TX
802.11ac (40MHz)	2TX
802.11ac (80MHz)	2TX

註 2: 此待測設備搭配使用之電源供應器規格如下:

Brand:	NETGEAR
Model:	AD2071F10
P/N:	332-10838-01
Input:	100-120V~50/60Hz 0.3A
Output:	12V 1A -- US type
Power Cord:	Non-shielded DC cable (1.8m)

註 3: 此待測設備搭配測試的天線，其資料如下：

Frequency Band (MHz)	Chain No.	天線型式	商標	P/N	增益 (dBi)	接頭型式
2412-2462	Chain 0	Dipole	WNC	1XKAF15.G08	1.86	I-PEX
	Chain 1	Dipole	WNC	81XKAF15.G09	2.17	I-PEX
5180-5240	Chain 0	Dipole	WNC	1XKAF15.G08	3.38	I-PEX
	Chain 1	Dipole	WNC	81XKAF15.G09	3.23	I-PEX
5745-5825	Chain 0	Dipole	WNC	1XKAF15.G08	3.78	I-PEX
	Chain 1	Dipole	WNC	81XKAF15.G09	3.82	I-PEX

The directional gain table:

Frequency (MHz)	Max. Gain (dBi)
2412 ~ 2462	4.52
5180-5240	6.04
5745-5825	6.37

註 4: 此報告中，場強輻射量經過評估後以下列測試模式進行最終量測。

量測項目	發射	接收
2412 ~ 2462MHz		
1GHz 以上量測	802.11b: Ch 1, 6, 11 802.11g: Ch 1, 6, 11 802.11n (20MHz): Ch 1, 6, 11 802.11n (40MHz): Ch 3, 6, 9	802.11g: Ch 6
其它不必要之訊號	802.11g: Ch 6	
傳導干擾電壓量測	802.11g: Ch 6	
5180 ~ 5240MHz & 5745 ~ 5825MHz		
1GHz 以上量測	802.11a: Ch 36, 40, 48, 149, 157, 165 802.11n (20MHz): Ch 36, 40, 48, 149, 157, 165 802.11n (40MHz): Ch 38, 46, 151, 159 802.11ac (80MHz): Ch 42, 155	802.11a: Ch 149
其它不必要之訊號	802.11a: Ch 149	
傳導干擾電壓量測	802.11a: Ch 149	

註 5: 此報告中傳輸模式，場強輻射量測及電源線傳導干擾量測之外的測試項目，以DSSS調變技術和OFDM調變技術分別進行測試並記錄最終量測結果於報告中。

註 6: 此待測設備，經評估經評估三個正交軸方位評估測試擺設方式：平躺、垂直，其中以**平躺**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。

註 7: Duty cycle of test signal.

2.4GHz頻段

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

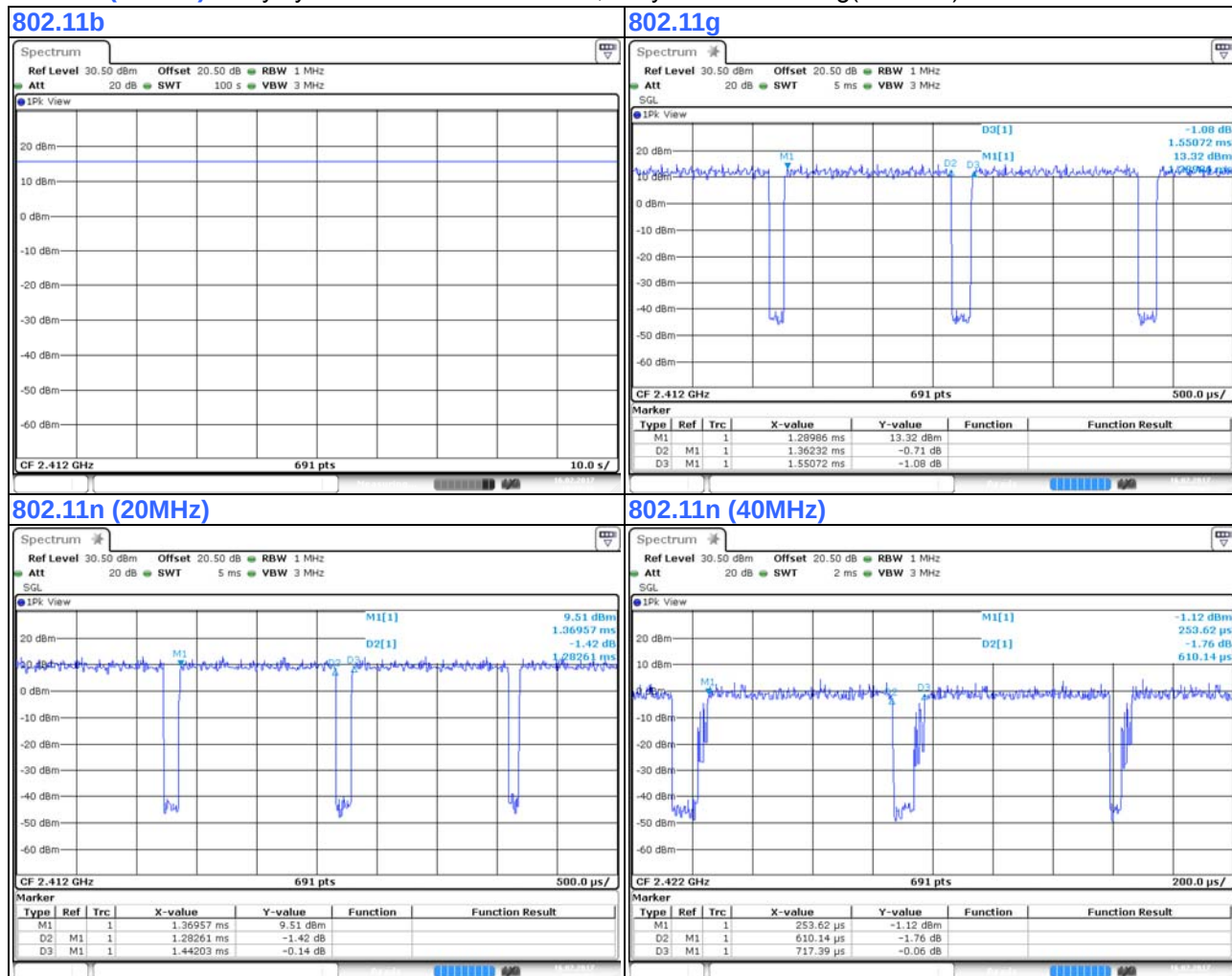
If duty cycle of test signal is $< 98\%$, duty factor shall be considered.

802.11b: Duty cycle = Duty cycle of test signal is 100 %.

802.11g: Duty cycle = $1.362/1.550 = 0.879$, Duty factor = $10 * \log(1/0.879) = 0.56$

802.11n (20MHz): Duty cycle = $1.282/1.442 = 0.889$, Duty factor = $10 * \log(1/0.889) = 0.51$

802.11n (40MHz): Duty cycle = $0.610/0.717 = 0.851$, Duty factor = $10 * \log(1/0.851) = 0.70$



5GHz 频段

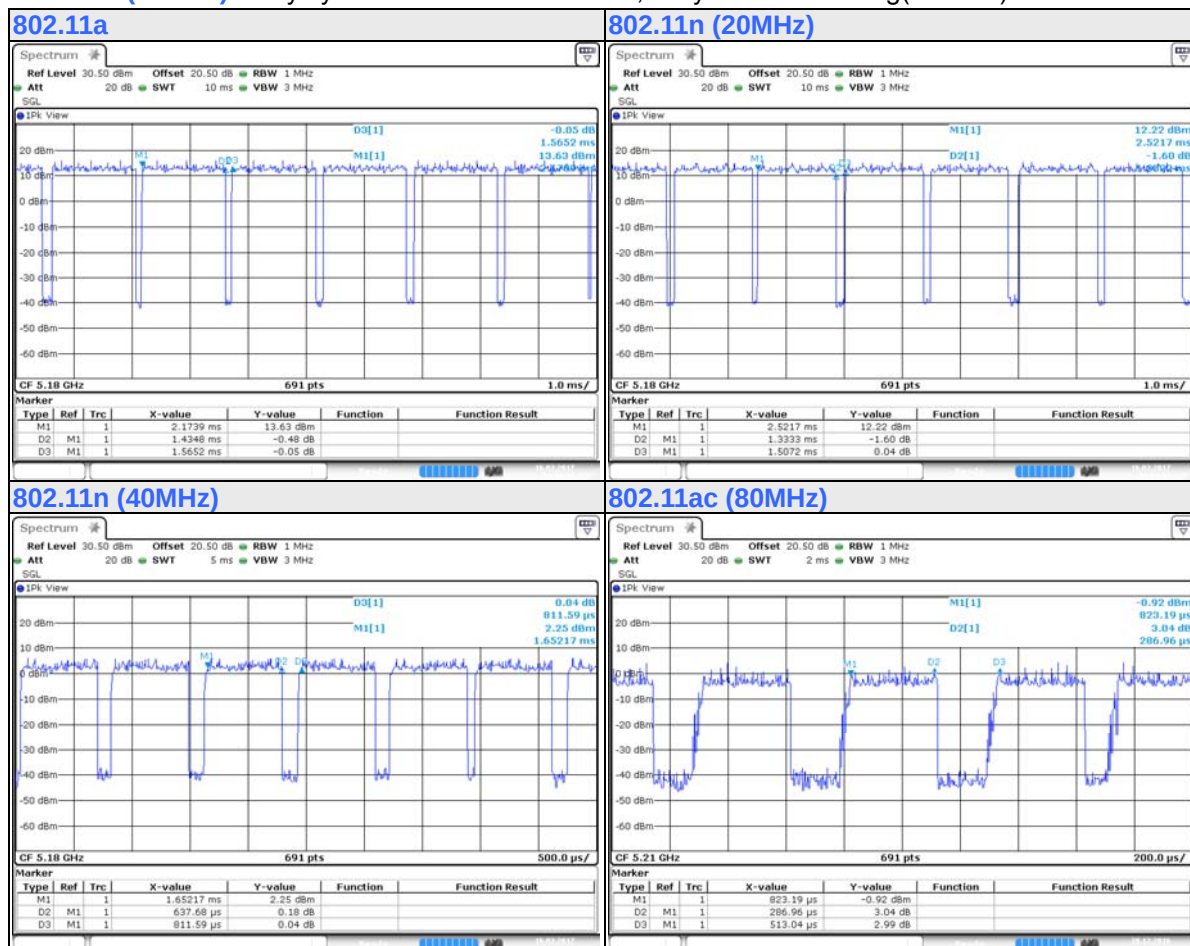
Duty cycle of test signal is < 98 %, duty factor is required

802.11a: Duty cycle = $1.434/1.565 = 0.916$, Duty factor = $10 * \log(1/0.916) = 0.38$

802.11n (20MHz): Duty cycle = $1.333/1.507 = 0.885$, Duty factor = $10 * \log(1/0.885) = 0.53$

802.11n (40MHz): Duty cycle = $0.637/0.811 = 0.785$, Duty factor = $10 * \log(1/0.785) = 1.05$

802.11ac (80MHz): Duty cycle = $0.286/0.513 = 0.558$, Duty factor = $10 * \log(1/0.558) = 2.54$



此裝置各頻道的中心頻率如下：

2.4 GHz 頻段：

802.11b, 802.11g, 802.11n (20MHz):

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 (40MHz):

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 (20MHz), 802.11ac (20MHz):

頻道	對應頻率 (MHz)	頻道	對應頻率 (MHz)
36	5180 MHz	149	5745 MHz
40	5200 MHz	153	5765 MHz
44	5220 MHz	157	5785 MHz
48	5240 MHz	161	5805 MHz
		165	5825 MHz

802.11n (40MHz), 802.11ac (40MHz):

頻道	對應頻率 (MHz)	頻道	對應頻率 (MHz)
38	5190 MHz	151	5755 MHz
46	5230 MHz	159	5795 MHz

802.11ac (80MHz):

頻道	對應頻率 (MHz)	頻道	對應頻率 (MHz)
42	5210MHz	155	5775 MHz

詳細之規格請參考使用說明書。

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。

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Notebook PC	DELL	PP27L	8SNZ12S	FCC DoC Approved	Provided by Lab
B.	Notebook PC	DELL	E5410	BW33YM1	FCC DoC Approved	Provided by Lab
C.	Load	N/A	N/A	N/A	N/A	Provided by Lab
D.	USB 3.0 Flash Drive	HP	v250w	N/A	FCC DoC Approved	Provided by Lab

Note:

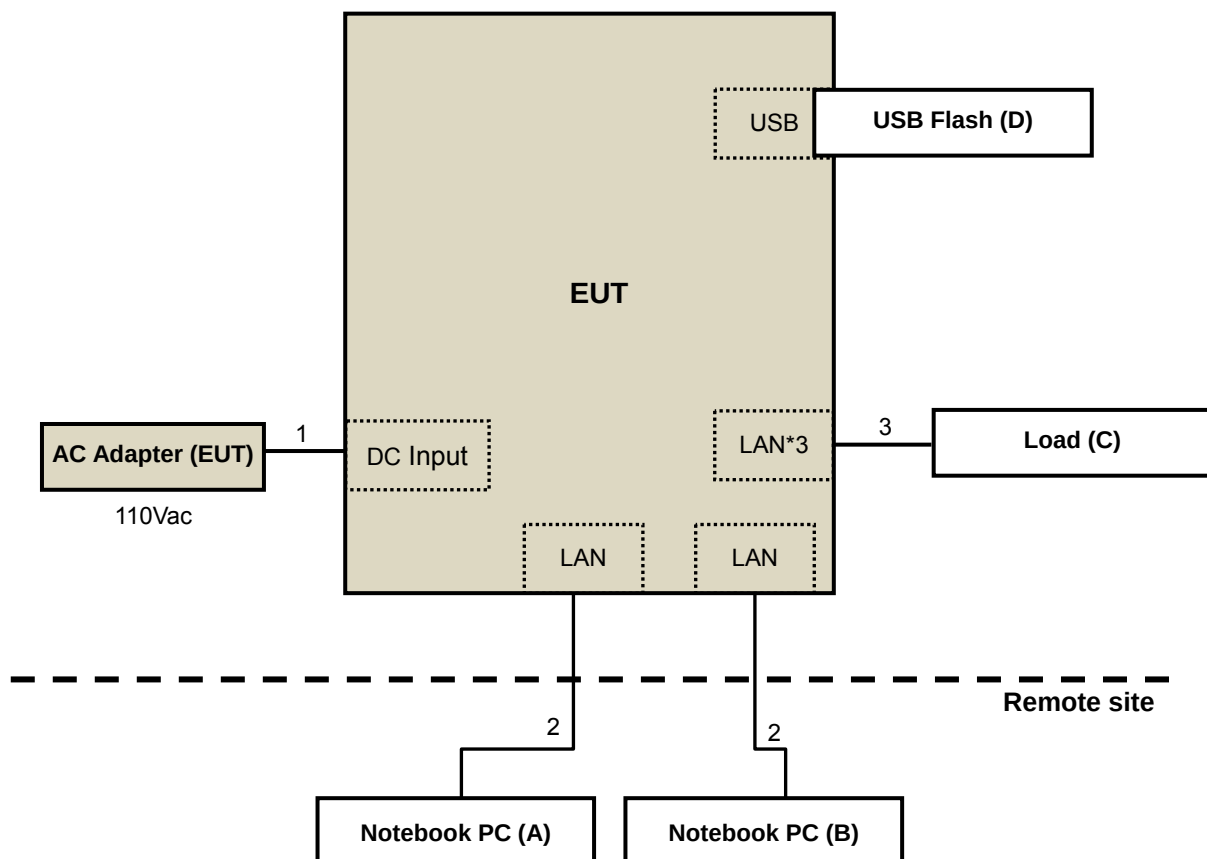
1. All power cords of the above support units are non-shielded (1.8m).

2. Items A~B acted as communication partners to transfer data.

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	DC cable	1	1.8	N	0	Supplied by client
2.	LAN cable	2	10	N	0	Provided by Lab
3.	LAN cable	3	1.8	N	0	Provided by Lab

Note: The core(s) is(are) originally attached to the cable(s).

2.3 測試架構圖



3 適用規範

3.1 規範要求

(1) 傳導之規定

依據國家通訊傳播委員會低功率射頻電機技術規範之 2.3 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 band:

依據國家通訊傳播委員會低功率射頻電機技術規範 3.10.1.5 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 3.10.1.2(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電機技術規範 4.7.4.1 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電機技術規範 4.7.4.2 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。

在 5.725 GHz ~ 5.850 GHz 頻段操作且天線增益大於 10dBi 之設備於 106 年 3 月 2 日前得適用 3.10.1.5 帶外發射限制；在 5.725 GHz ~ 5.850 GHz 頻段操作且天線增益小於等於 10dBi 之設備於 107 年 3 月 2 日前得適用 3.10.1.5 帶外發射限制規定。

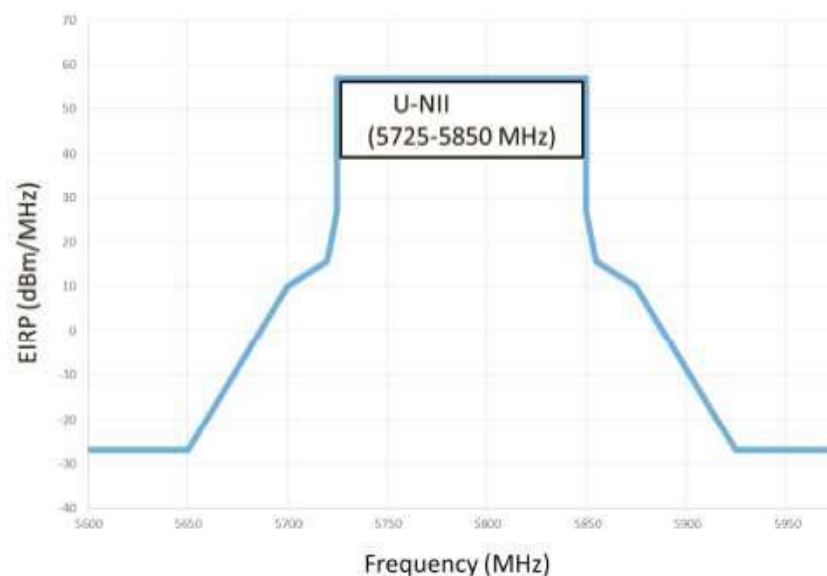


圖 1

在 1 GHz 以下不必要之發射，應符合 2.8 之規定。此外，落於 2.7 禁用頻段之輻射發射，應符合 2.8 之規定。

頻率(MHz)	電場強度(微伏特/公尺, uV/m)	測距(公尺)
0.009 - 0.490(含)	2,400/f(kHz)	300
0.490 (不含) - 1.705 (含)	24,000/f(kHz)	30
1.705(不含) - 30 (不含)	30	30
30 (含) - 88 (含)	100	3
88 (不含)- 216 (含)	150	3
216 (不含)- 960 (含)	200	3
960 (不含)以上	500	3

(3)天線之規定

天線規格不受第 2.2 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電機技術規範 3.10.1.3 節及 4.7.3 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 3.10.1.2 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= 10log(天線陣列之單元數目)+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電機技術規範 3.10.1.6 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電機技術規範 4.7.5 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電機技術規範 3.10.1.2 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電機技術規範 4.7.3.1 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電機技術規範4.7.3.2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電機技術規範 4.7.3.3 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電機技術規範 3.10.1.6 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 3.10.1.3 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電機技術規範 4.7.3.1 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電機技術規範4.7.3.2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電機技術規範 4.7.3.3 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電機技術規範4.7.7.1及4.7.7.2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電機技術規範4.7.7.3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電機技術規範 4.7.7.4 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電機技術規範 4.7.7.5 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電機技術規範 5.20.2 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。

3.2 限制使用之頻帶

除本規範另有規定外，任何低功率射頻電機之主波皆不得使用下表所列各頻段之頻率；低功率射頻電機落於下表所列頻段之混附發射，其電場強度必須符合 2.8 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	1660.0~1770.0	14470~14500
19.965~20.020	1805.0~1865.0	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	2015.0~2025.0	23600~24000
108.00~138.00	2125.0~2165.0	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

<Frequency Range above 1GHz>

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
HP Preamplifier	8447D	2432A03504	Feb. 26, 2016	Feb. 25, 2017
HP Preamplifier	8449B	3008A01201	Feb. 26, 2016	Feb. 25, 2017
MITEQ Preamplifier	AMF-6F-260400-33-8P	892164	Mar. 01, 2016	Feb. 28, 2017
Agilent TEST RECEIVER	N9038A	MY50010158	Aug. 04, 2016	Aug. 03, 2017
Schwarzbeck Antenna	VULB 9168	139	Dec. 13, 2016	Dec. 12, 2017
Schwarzbeck Antenna	VHBA 9123	480	May 29, 2015	May 28, 2017
Schwarzbeck Horn Antenna	BBHA-9170	212	Dec. 30, 2016	Dec. 29, 2017
Schwarzbeck Horn Antenna	BBHA 9120-D1	D130	Dec. 27, 2016	Dec. 26, 2017
ADT. Turn Table	TT100	0306	NA	NA
ADT. Tower	AT100	0306	NA	NA
Software	Radiated_V7.6.15.9.5	NA	NA	NA
SUHNER RF cable With 4dB PAD	SF104	CABLE-CH6	Aug. 15, 2016	Aug. 14, 2017
SUHNER RF cable With 3dB PAD	SF102	Cable-CH8-3.6m	Aug. 15, 2016	Aug. 14, 2017
KEYSIGHT MIMO Powermeasurement Test set	U2021XA	U2021XA-001	May 25, 2016	May 24, 2017
KEYSIGHT Spectrum Analyzer	N9030A	MY54490260	Jul. 26, 2016	Jul. 25, 2017
Loop Antenna EMCI	LPA600	270	Aug. 20, 2015	Aug. 19, 2017
EMCO Horn Antenna	3115	00028257	Dec. 15, 2016	Dec. 14, 2017
Highpass filter Wainwright Instruments	WHK 3.1/18G-10SS	SN 8	NA	NA
ROHDE & SCHWARZ Spectrum Analyzer	FSV40	101042	Sep. 30, 2016	Sep. 29, 2017
Anritsu Power Sensor	MA2411B	0738404	Apr. 28, 2016	Apr. 27, 2017
Anritsu Power Meter	ML2495A	0842014	Apr. 28, 2016	Apr. 27, 2017

- NOTE:**
1. The calibration interval of the above test instruments is 12/24 months. And the calibrations are traceable to NML/ROC and NIST/USA.
 2. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
 3. The test was performed in Chamber No. 6.
 4. The Industry Canada Reference No. IC 7450E-6.
 5. The FCC Site Registration No. is 447212.
 6. Tested Date: Jan. 23 ~ Feb. 18, 2017
 7. 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	Above 1GHz	±5.48 dB

<Frequency Range below 1GHz>

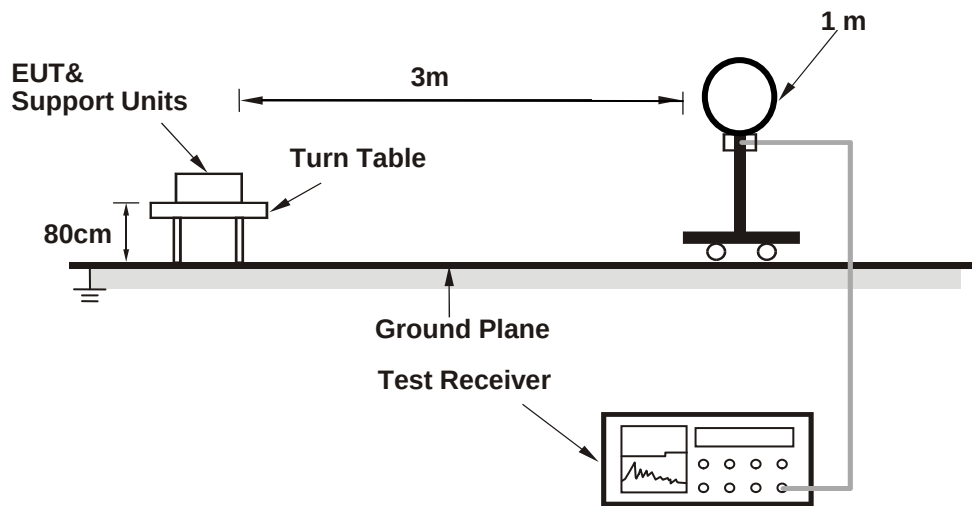
DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
HP Preamplifier	8447D	2432A03504	Feb. 21, 2017	Feb. 20, 2018
HP Preamplifier	8449B	3008A01201	Feb. 22, 2017	Feb. 21, 2018
MITEQ Preamplifier	AMF-6F-260400-33-8P	892164	Feb. 21, 2017	Feb. 20, 2018
Agilent TEST RECEIVER	N9038A	MY51210129	Feb. 08, 2017	Feb. 07, 2018
Schwarzbeck Antenna	VULB 9168	139	Dec. 13, 2016	Dec. 12, 2017
Schwarzbeck Antenna	VHBA 9123	480	May 19, 2017	May 18, 2019
Schwarzbeck Horn Antenna	BBHA-9170	212	Dec. 30, 2016	Dec. 29, 2017
Schwarzbeck Horn Antenna	BBHA 9120-D1	D130	Dec. 27, 2016	Dec. 26, 2017
ADT. Turn Table	TT100	0306	NA	NA
ADT. Tower	AT100	0306	NA	NA
Software	Radiated_V7.6.15.9.5	NA	NA	NA
SUHNER RF cable With 4dB PAD	SF104	CABLE-CH6	Aug. 15, 2016	Aug. 14, 2017
SUHNER RF cable With 3dB PAD	SF102	Cable-CH8-3.6m	Aug. 15, 2016	Aug. 14, 2017
KEYSIGHT Spectrum Analyzer	N9030A	MY54490260	Jul. 26, 2016	Jul. 25, 2017
Loop Antenna EMCI	LPA600	270	Aug. 20, 2015	Aug. 19, 2017
EMCO Horn Antenna	3115	00028257	Dec. 15, 2016	Dec. 14, 2017
Highpass filter Wainwright Instruments	WHK 3.1/18G-10SS	SN 8	NA	NA
ROHDE & SCHWARZ Spectrum Analyzer	FSV40	101042	Sep. 30, 2016	Sep. 29, 2017
Anritsu Power Sensor	MA2411B	0738404	Apr. 24, 2017	Apr. 23, 2018
Anritsu Power Meter	ML2495A	0842014	Apr. 24, 2017	Apr. 23, 2018

- NOTE:** 1. The calibration interval of the above test instruments is 12/24 months. And the calibrations are traceable to NML/ROC and NIST/USA.
2. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
3. The test was performed in Chamber No. 6.
4. The Industry Canada Reference No. IC 7450E-6.
5. The FCC Site Registration No. is 447212.
6. Tested Date: Jul. 12, 2017
7. 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.

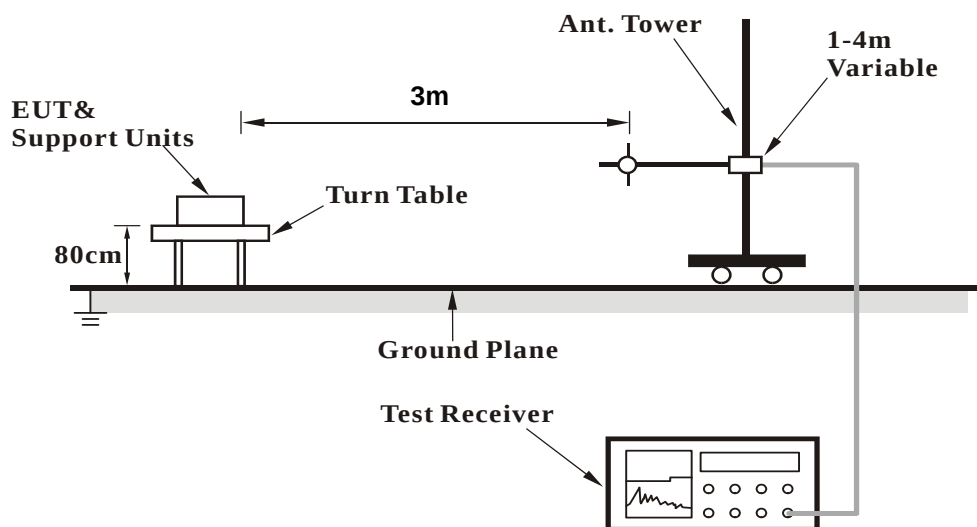
MEASUREMENT	FREQUENCY	UNCERTAINTY
Radiated emissions	9kHz ~ 30MHz	±2.38 dB
	30MHz ~ 1GHz	±5.54 dB

4.4 測試配置

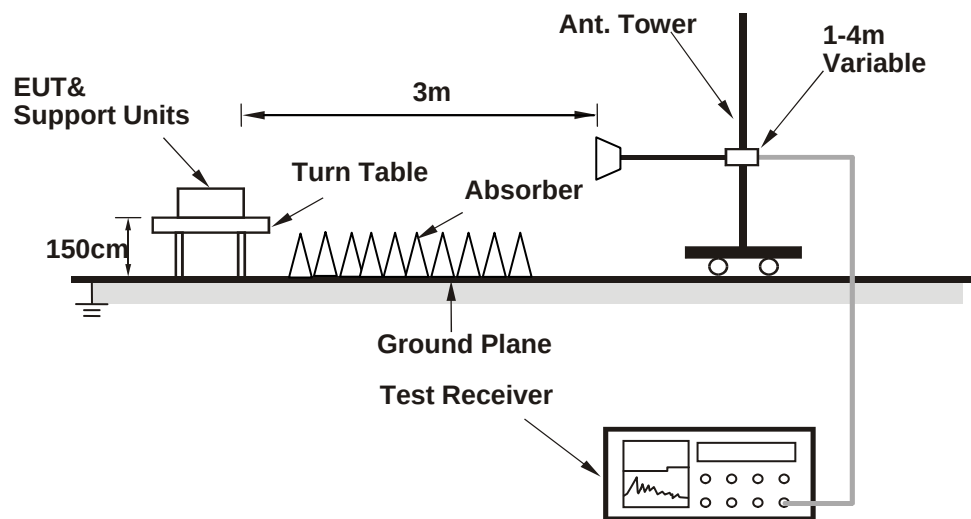
<Frequency Range 9kHz ~ 30MHz>



<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

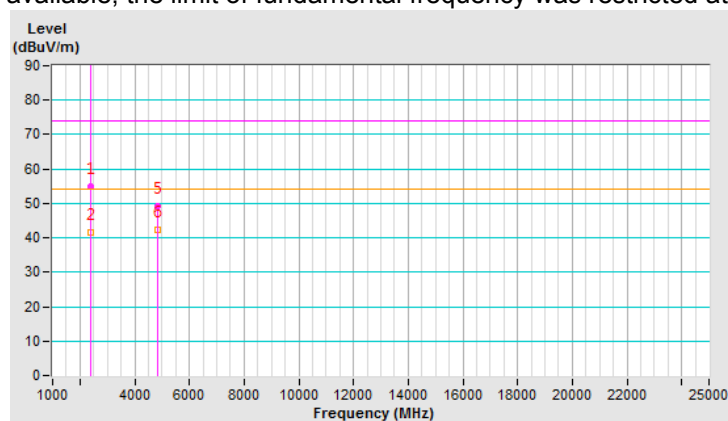
802.11b

操作模式：	發射	調變技術：	DSSS-MIMO
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2387.22	55.04 PK	74.00	-18.96	2.73 H	242	54.78	0.26
2	2387.22	41.49 AV	54.00	-12.51	2.73 H	242	41.23	0.26
3	*2412.00	101.71 PK			2.73 H	242	101.25	0.46
4	*2412.00	99.27 AV			2.73 H	242	98.81	0.46
5	4824.00	49.17 PK	74.00	-24.83	1.00 H	19	41.99	7.18
6	4824.00	42.40 AV	54.00	-11.60	1.00 H	19	35.22	7.18
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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.

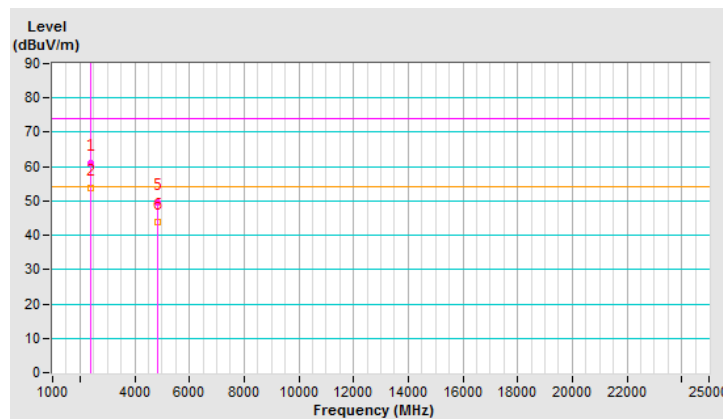


操作模式：	發射	調變技術：	DSSS-MIMO
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2386.76	60.99 PK	74.00	-13.01	2.03 V	347	60.73	0.26
2	2386.76	53.73 AV	54.00	-0.27	2.03 V	347	53.47	0.26
3	*2412.00	111.51 PK			2.03 V	347	111.05	0.46
4	*2412.00	108.97 AV			2.03 V	347	108.51	0.46
5	4824.00	49.71 PK	74.00	-24.29	1.07 V	340	42.53	7.18
6	4824.00	43.74 AV	54.00	-10.26	1.07 V	340	36.56	7.18
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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



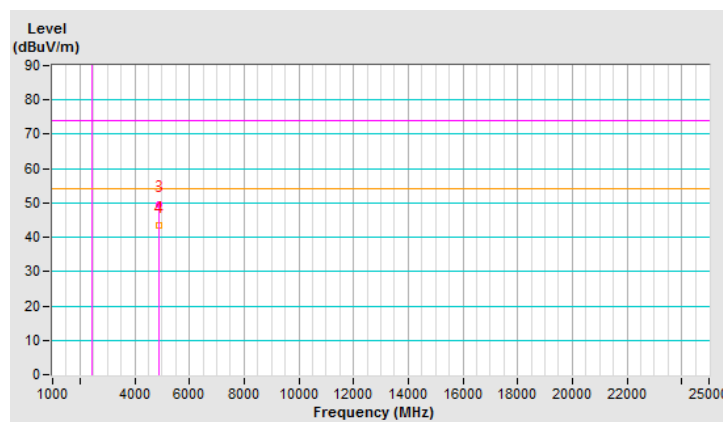
操作模式：	發射	調變技術：	DSSS-MIMO
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	103.01 PK			2.68 H	235	102.35	0.66
2	*2437.00	100.39 AV			2.68 H	235	99.73	0.66
3	4874.00	49.49 PK	74.00	-24.51	1.01 H	17	42.27	7.22
4	4874.00	43.30 AV	54.00	-10.70	1.01 H	17	36.08	7.22
5	7311.00	-	-	-	-	-	-	-
6	#9748.00	-	-	-	-	-	-	-
7	12185.00	-	-	-	-	-	-	-
8	#14622.00	-	-	-	-	-	-	-
9	#17059.00	-	-	-	-	-	-	-
10	19496.00	-	-	-	-	-	-	-
11	#21933.00	-	-	-	-	-	-	-
12	#24370.00	-	-	-	-	-	-	-

REMARKS:

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



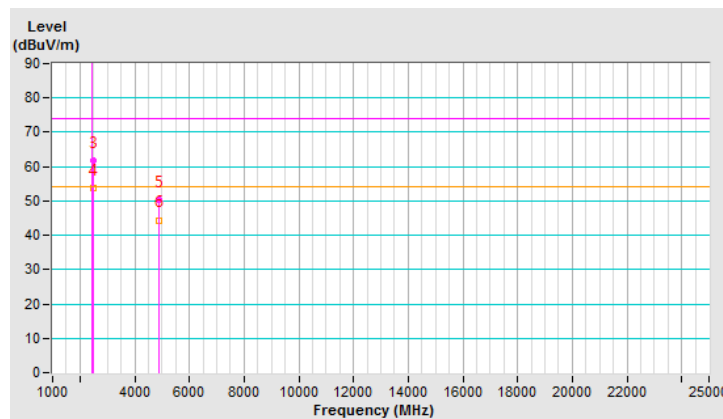
操作模式：	發射	調變技術：	DSSS-MIMO
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	112.62 PK			2.01 V	350	111.96	0.66
2	*2437.00	110.03 AV			2.01 V	350	109.37	0.66
3	2484.73	61.82 PK	74.00	-12.18	2.01 V	350	60.78	1.04
4	2484.73	53.71 AV	54.00	-0.29	2.01 V	350	52.67	1.04
5	4874.00	50.17 PK	74.00	-23.83	1.05 V	346	42.95	7.22
6	4874.00	44.41 AV	54.00	-9.59	1.05 V	346	37.19	7.22
7	7311.00	-	-	-	-	-	-	-
8	#9748.00	-	-	-	-	-	-	-
9	12185.00	-	-	-	-	-	-	-
10	#14622.00	-	-	-	-	-	-	-
11	#17059.00	-	-	-	-	-	-	-
12	19496.00	-	-	-	-	-	-	-
13	#21933.00	-	-	-	-	-	-	-
14	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.

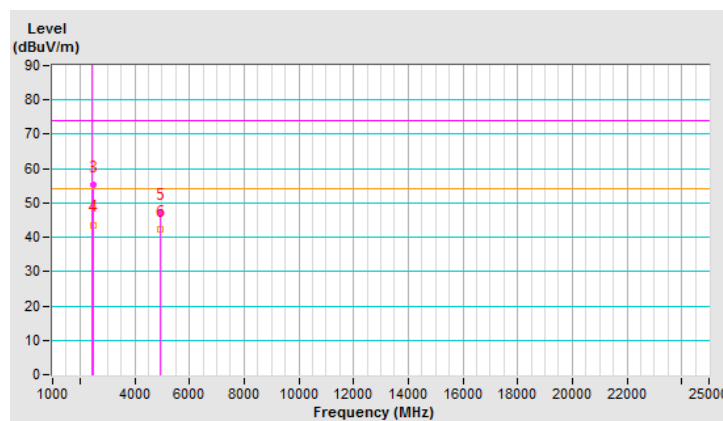


操作模式：	發射	調變技術：	DSSS-MIMO
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (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	101.17 PK			2.77 H	245	100.32	0.85
2	*2462.00	98.54 AV			2.77 H	245	97.69	0.85
3	2483.50	55.27 PK	74.00	-18.73	2.77 H	245	54.24	1.03
4	2483.50	43.64 AV	54.00	-10.36	2.77 H	245	42.61	1.03
5	4924.00	47.25 PK	74.00	-26.75	1.00 H	20	39.92	7.33
6	4924.00	42.47 AV	54.00	-11.53	1.00 H	20	35.14	7.33
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.

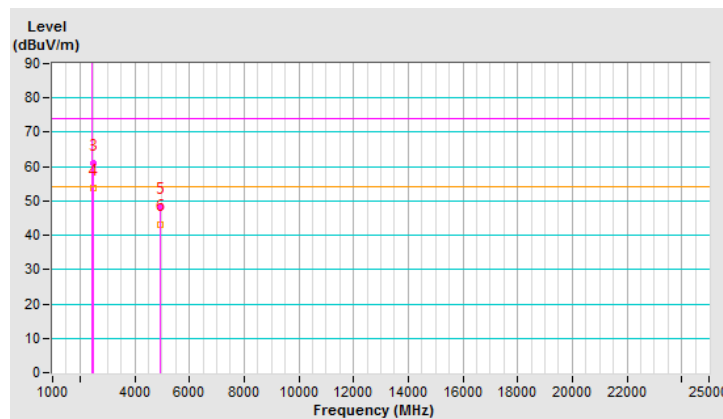


操作模式：	發射	調變技術：	DSSS-MIMO
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	110.46 PK			1.56 V	193	109.61	0.85
2	*2462.00	107.78 AV			1.56 V	193	106.93	0.85
3	2488.41	60.86 PK	74.00	-13.14	1.56 V	193	59.79	1.07
4	2488.41	53.65 AV	54.00	-0.35	1.56 V	193	52.58	1.07
5	4924.00	48.21 PK	74.00	-25.79	1.06 V	339	40.88	7.33
6	4924.00	43.27 AV	54.00	-10.73	1.06 V	339	35.94	7.33
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



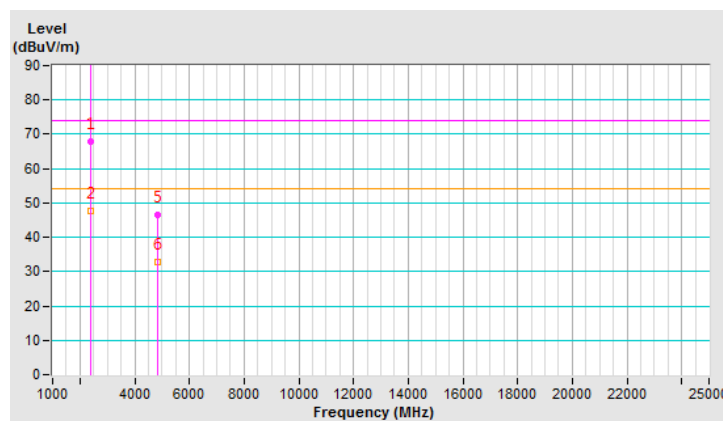
802.11g

操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (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	67.94 PK	74.00	-6.06	1.12 H	72	67.65	0.29
2	2390.00	47.74 AV	54.00	-6.26	1.12 H	72	47.45	0.29
3	*2412.00	106.50 PK			1.12 H	72	106.04	0.46
4	*2412.00	96.67 AV			1.12 H	72	96.21	0.46
5	4824.00	46.45 PK	74.00	-27.55	1.02 H	14	39.27	7.18
6	4824.00	32.66 AV	54.00	-21.34	1.02 H	14	25.48	7.18
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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



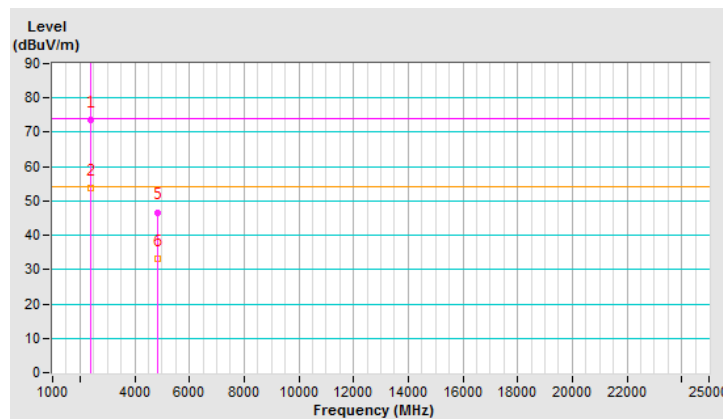
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	73.56 PK	74.00	-0.44	1.43 V	153	73.27	0.29
2	2390.00	53.82 AV	54.00	-0.18	1.43 V	153	53.53	0.29
3	*2412.00	116.13 PK			1.43 V	153	115.67	0.46
4	*2412.00	107.15 AV			1.43 V	153	106.69	0.46
5	4824.00	46.70 PK	74.00	-27.30	1.09 V	337	39.52	7.18
6	4824.00	33.22 AV	54.00	-20.78	1.09 V	337	26.04	7.18
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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



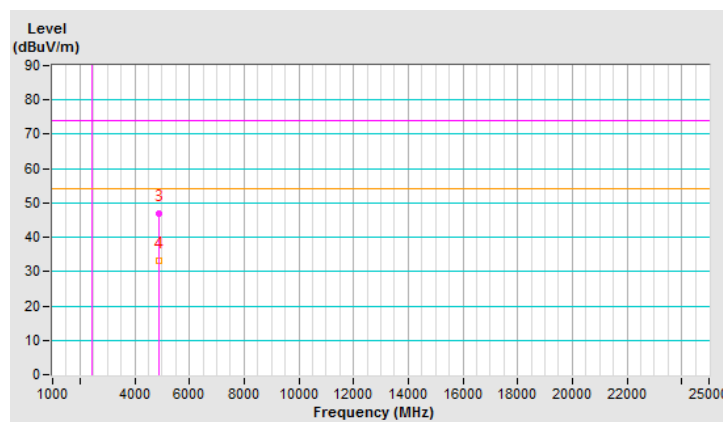
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	109.60 PK			1.17 H	76	108.94	0.66
2	*2437.00	100.93 AV			1.17 H	76	100.27	0.66
3	4874.00	46.86 PK	74.00	-27.14	1.00 H	16	39.64	7.22
4	4874.00	33.29 AV	54.00	-20.71	1.00 H	16	26.07	7.22
5	7311.00	-	-	-	-	-	-	-
6	#9748.00	-	-	-	-	-	-	-
7	12185.00	-	-	-	-	-	-	-
8	#14622.00	-	-	-	-	-	-	-
9	#17059.00	-	-	-	-	-	-	-
10	19496.00	-	-	-	-	-	-	-
11	#21933.00	-	-	-	-	-	-	-
12	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



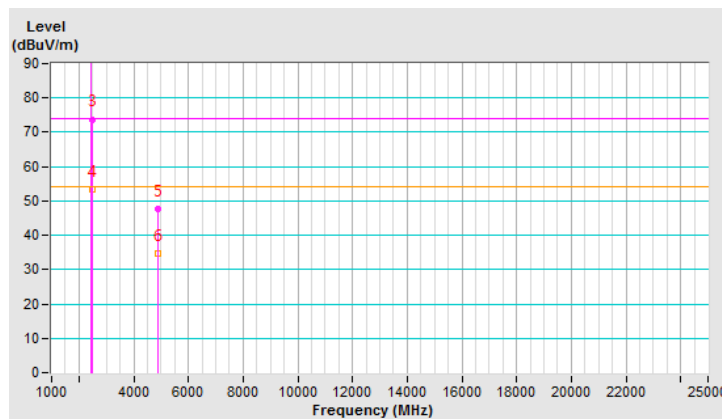
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	118.51 PK			1.46 V	155	117.85	0.66
2	*2437.00	110.45 AV			1.46 V	155	109.79	0.66
3	2486.51	73.77 PK	74.00	-0.23	1.46 V	155	72.72	1.05
4	2486.51	53.32 AV	54.00	-0.68	1.46 V	155	52.27	1.05
5	4874.00	47.80 PK	74.00	-26.20	1.05 V	340	40.58	7.22
6	4874.00	34.71 AV	54.00	-19.29	1.05 V	340	27.49	7.22
7	7311.00	-	-	-	-	-	-	-
8	#9748.00	-	-	-	-	-	-	-
9	12185.00	-	-	-	-	-	-	-
10	#14622.00	-	-	-	-	-	-	-
11	#17059.00	-	-	-	-	-	-	-
12	19496.00	-	-	-	-	-	-	-
13	#21933.00	-	-	-	-	-	-	-
14	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



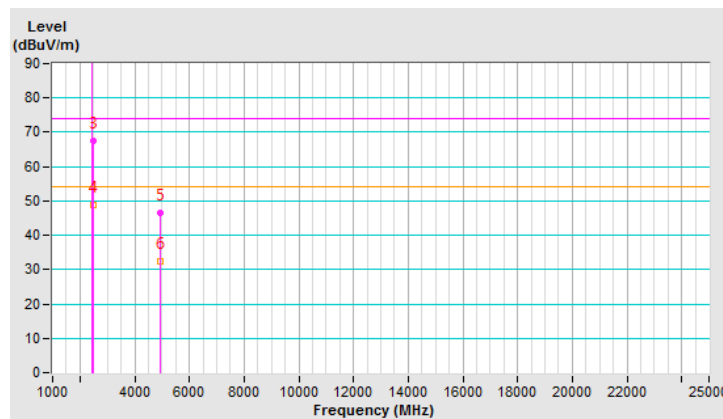
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (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	103.38 PK			1.14 H	77	102.53	0.85
2	*2462.00	94.56 AV			1.14 H	77	93.71	0.85
3	2483.50	67.42 PK	74.00	-6.58	1.14 H	77	66.39	1.03
4	2483.50	48.84 AV	54.00	-5.16	1.14 H	77	47.81	1.03
5	4924.00	46.38 PK	74.00	-27.62	1.00 H	19	39.05	7.33
6	4924.00	32.54 AV	54.00	-21.46	1.00 H	19	25.21	7.33
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



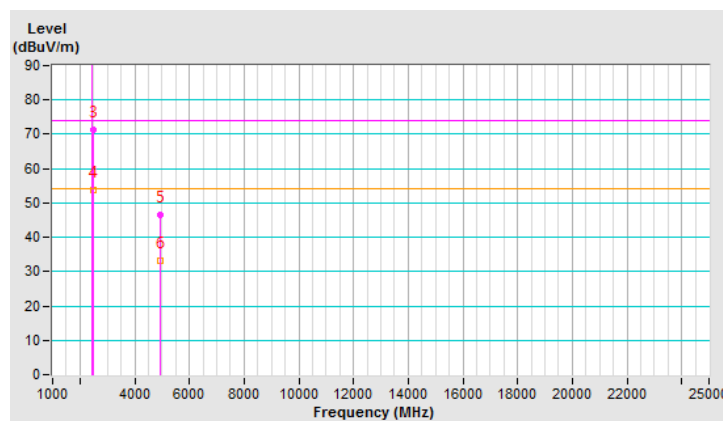
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	112.55 PK			1.40 V	151	111.70	0.85
2	*2462.00	103.62 AV			1.40 V	151	102.77	0.85
3	2483.50	71.34 PK	74.00	-2.66	1.40 V	151	70.31	1.03
4	2483.50	53.76 AV	54.00	-0.24	1.40 V	151	52.73	1.03
5	4924.00	46.59 PK	74.00	-27.41	1.07 V	344	39.26	7.33
6	4924.00	33.10 AV	54.00	-20.90	1.07 V	344	25.77	7.33
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



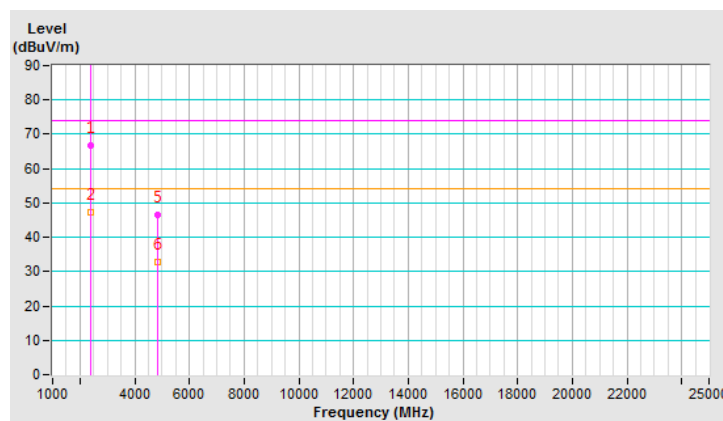
802.11n (20MHz)

操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=820Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (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	66.57 PK	74.00	-7.43	1.11 H	70	66.28	0.29
2	2390.00	47.10 AV	54.00	-6.90	1.11 H	70	46.81	0.29
3	*2412.00	103.54 PK			1.11 H	70	103.08	0.46
4	*2412.00	94.31 AV			1.11 H	70	93.85	0.46
5	4824.00	46.52 PK	74.00	-27.48	1.01 H	22	39.34	7.18
6	4824.00	32.75 AV	54.00	-21.25	1.01 H	22	25.57	7.18
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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



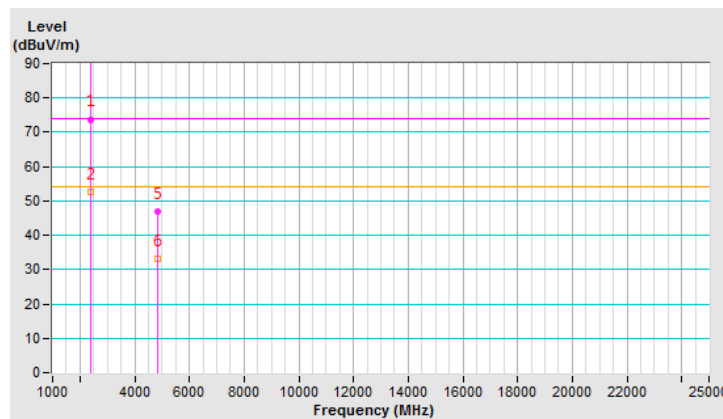
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=820Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	73.77 PK	74.00	-0.23	1.41 V	158	73.48	0.29
2	2390.00	52.75 AV	54.00	-1.25	1.41 V	158	52.46	0.29
3	*2412.00	113.33 PK			1.41 V	158	112.87	0.46
4	*2412.00	103.45 AV			1.41 V	158	102.99	0.46
5	4824.00	46.81 PK	74.00	-27.19	1.17 V	350	39.63	7.18
6	4824.00	33.29 AV	54.00	-20.71	1.17 V	350	26.11	7.18
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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



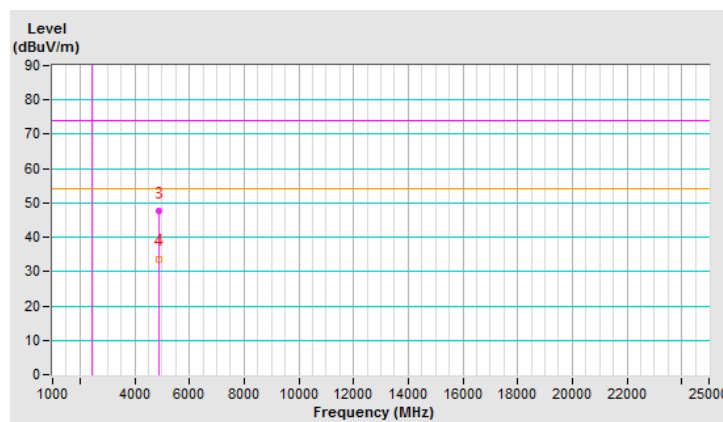
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=820Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	108.21 PK			1.17 H	64	107.55	0.66
2	*2437.00	99.40 AV			1.17 H	64	98.74	0.66
3	4874.00	47.75 PK	74.00	-26.25	1.00 H	11	40.53	7.22
4	4874.00	33.71 AV	54.00	-20.29	1.00 H	11	26.49	7.22
5	7311.00	-	-	-	-	-	-	-
6	#9748.00	-	-	-	-	-	-	-
7	12185.00	-	-	-	-	-	-	-
8	#14622.00	-	-	-	-	-	-	-
9	#17059.00	-	-	-	-	-	-	-
10	19496.00	-	-	-	-	-	-	-
11	#21933.00	-	-	-	-	-	-	-
12	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



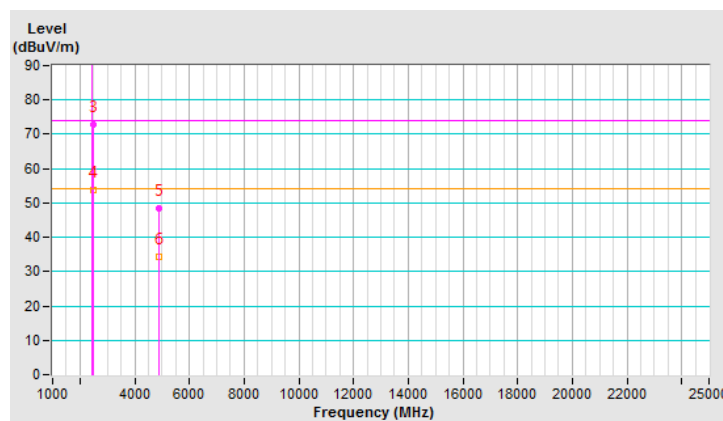
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=820Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	117.55 PK			1.38 V	160	116.89	0.66
2	*2437.00	108.85 AV			1.38 V	160	108.19	0.66
3	2483.50	72.98 PK	74.00	-1.02	1.38 V	160	71.95	1.03
4	2483.50	53.70 AV	54.00	-0.30	1.38 V	160	52.67	1.03
5	4874.00	48.30 PK	74.00	-25.70	1.09 V	341	41.08	7.22
6	4874.00	34.37 AV	54.00	-19.63	1.09 V	341	27.15	7.22
7	7311.00	-	-	-	-	-	-	-
8	#9748.00	-	-	-	-	-	-	-
9	12185.00	-	-	-	-	-	-	-
10	#14622.00	-	-	-	-	-	-	-
11	#17059.00	-	-	-	-	-	-	-
12	19496.00	-	-	-	-	-	-	-
13	#21933.00	-	-	-	-	-	-	-
14	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
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8. The blank is not available, the limit of fundamental frequency was restricted at the output power.



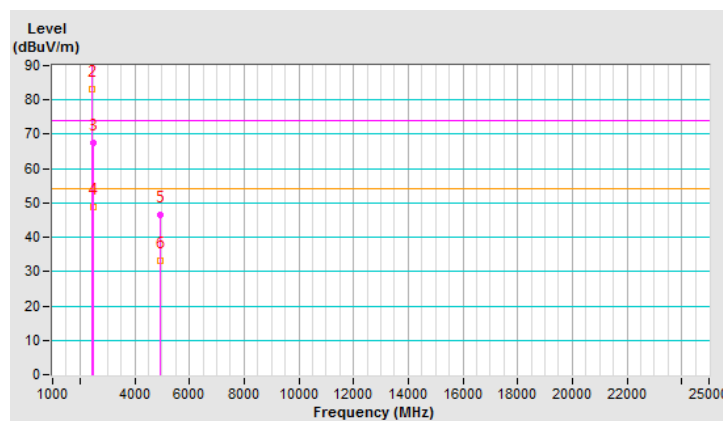
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=820Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (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	92.73 PK			1.12 H	72	91.88	0.85
2	*2462.00	83.22 AV			1.12 H	72	82.37	0.85
3	2483.50	67.62 PK	74.00	-6.38	1.12 H	72	66.59	1.03
4	2483.50	48.93 AV	54.00	-5.07	1.12 H	72	47.90	1.03
5	4924.00	46.48 PK	74.00	-27.52	1.00 H	13	39.15	7.33
6	4924.00	33.03 AV	54.00	-20.97	1.00 H	13	25.70	7.33
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



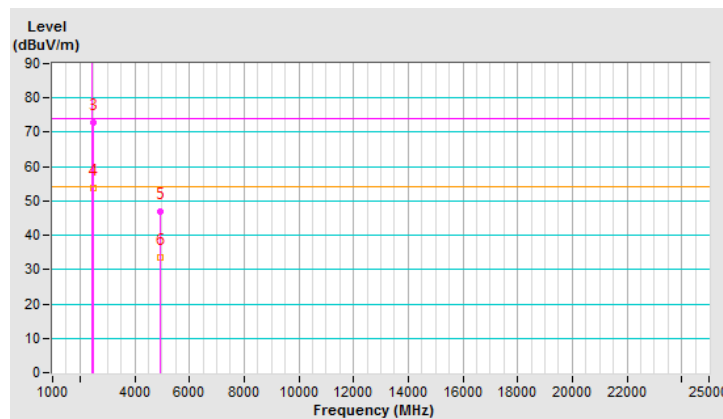
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=820Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	111.60 PK			1.47 V	159	110.75	0.85
2	*2462.00	102.21 AV			1.47 V	159	101.36	0.85
3	2483.50	72.96 PK	74.00	-1.04	1.47 V	159	71.93	1.03
4	2483.50	53.64 AV	54.00	-0.36	1.47 V	159	52.61	1.03
5	4924.00	46.84 PK	74.00	-27.16	1.08 V	334	39.51	7.33
6	4924.00	33.41 AV	54.00	-20.59	1.08 V	334	26.08	7.33
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



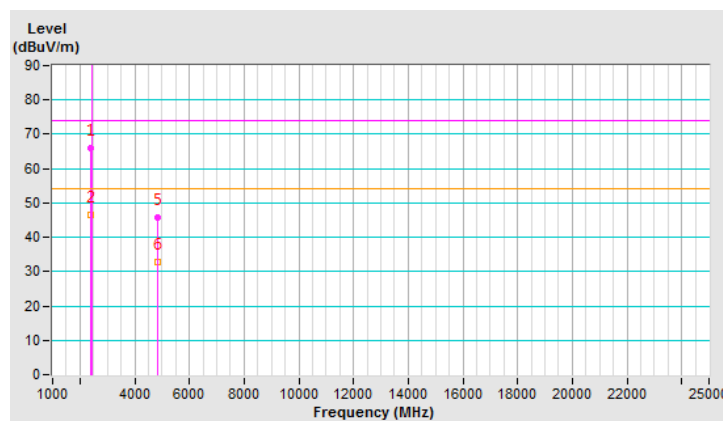
802.11n (40MHz)

操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 3：2422 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.8kHz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (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	65.97 PK	74.00	-8.03	1.16 H	73	65.68	0.29
2	2390.00	46.60 AV	54.00	-7.40	1.16 H	73	46.31	0.29
3	*2422.00	100.91 PK			1.16 H	73	100.37	0.54
4	*2422.00	91.76 AV			1.16 H	73	91.22	0.54
5	4844.00	45.82 PK	74.00	-28.18	1.02 H	15	38.62	7.20
6	4844.00	32.70 AV	54.00	-21.30	1.02 H	15	25.50	7.20
7	7266.00	-	-	-	-	-	-	-
8	#9688.00	-	-	-	-	-	-	-
9	12110.00	-	-	-	-	-	-	-
10	#14532.00	-	-	-	-	-	-	-
11	#16954.00	-	-	-	-	-	-	-
12	19376.00	-	-	-	-	-	-	-
13	#21798.00	-	-	-	-	-	-	-
14	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



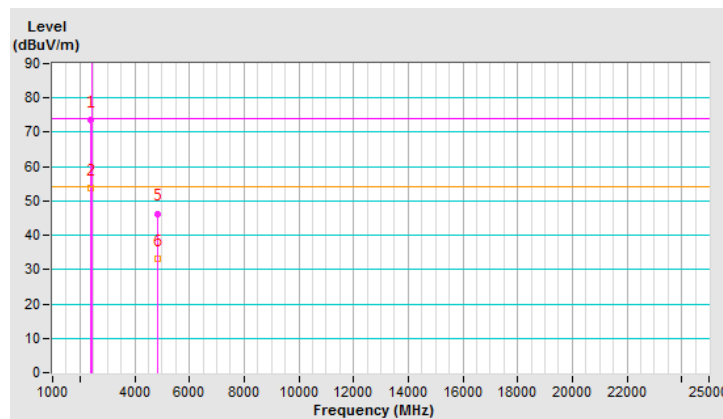
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 3：2422 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.8kHz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	73.44 PK	74.00	-0.56	1.43 V	154	73.15	0.29
2	2390.00	53.73 AV	54.00	-0.27	1.43 V	154	53.44	0.29
3	*2422.00	109.56 PK			1.43 V	154	109.02	0.54
4	*2422.00	99.69 AV			1.43 V	154	99.15	0.54
5	4844.00	46.32 PK	74.00	-27.68	1.08 V	341	39.12	7.20
6	4844.00	33.23 AV	54.00	-20.77	1.08 V	341	26.03	7.20
7	7266.00	-	-	-	-	-	-	-
8	#9688.00	-	-	-	-	-	-	-
9	12110.00	-	-	-	-	-	-	-
10	#14532.00	-	-	-	-	-	-	-
11	#16954.00	-	-	-	-	-	-	-
12	19376.00	-	-	-	-	-	-	-
13	#21798.00	-	-	-	-	-	-	-
14	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



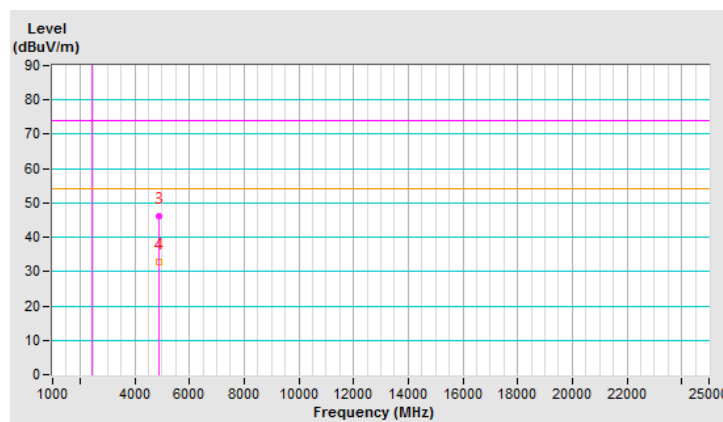
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.8kHz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	100.50 PK			1.13 H	79	99.84	0.66
2	*2437.00	91.75 AV			1.13 H	79	91.09	0.66
3	4874.00	46.27 PK	74.00	-27.73	1.01 H	17	39.05	7.22
4	4874.00	32.65 AV	54.00	-21.35	1.01 H	17	25.43	7.22
5	7311.00	-	-	-	-	-	-	-
6	#9748.00	-	-	-	-	-	-	-
7	12185.00	-	-	-	-	-	-	-
8	#14622.00	-	-	-	-	-	-	-
9	#17059.00	-	-	-	-	-	-	-
10	19496.00	-	-	-	-	-	-	-
11	#21933.00	-	-	-	-	-	-	-
12	#24370.00	-	-	-	-	-	-	-

REMARKS:

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



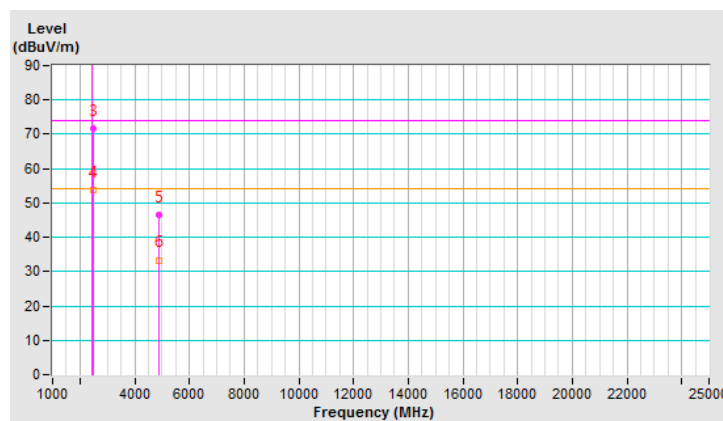
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.8kHz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	109.23 PK			1.41 V	149	108.69	0.54
2	*2437.00	99.28 AV			1.41 V	149	98.74	0.54
3	2483.50	71.56 PK	74.00	-2.44	1.41 V	149	70.53	1.03
4	2483.50	53.69 AV	54.00	-0.31	1.41 V	149	52.66	1.03
5	4874.00	46.42 PK	74.00	-27.58	1.06 V	337	39.20	7.22
6	4874.00	33.33 AV	54.00	-20.67	1.06 V	337	26.11	7.22
7	7311.00	-	-	-	-	-	-	-
8	#9748.00	-	-	-	-	-	-	-
9	12185.00	-	-	-	-	-	-	-
10	#14622.00	-	-	-	-	-	-	-
11	#17059.00	-	-	-	-	-	-	-
12	19496.00	-	-	-	-	-	-	-
13	#21933.00	-	-	-	-	-	-	-
14	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



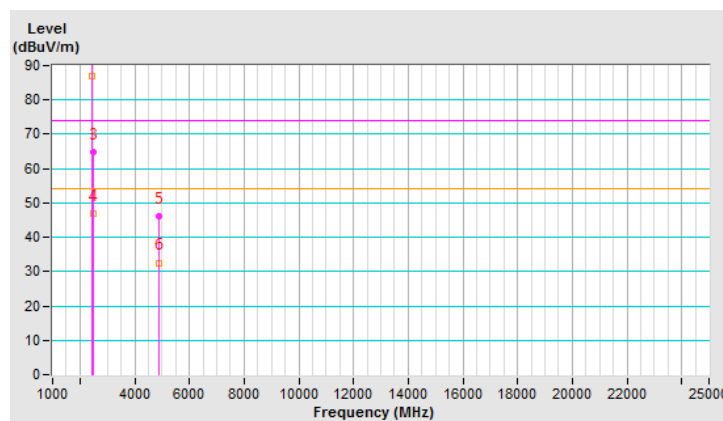
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 9：2452 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.8kHz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (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	96.44 PK			1.13 H	77	95.66	0.78
2	*2452.00	86.91 AV			1.13 H	77	86.13	0.78
3	2483.50	64.97 PK	74.00	-9.03	1.13 H	77	63.94	1.03
4	2483.50	46.91 AV	54.00	-7.09	1.13 H	77	45.88	1.03
5	4904.00	46.17 PK	74.00	-27.83	1.00 H	20	38.91	7.26
6	4904.00	32.59 AV	54.00	-21.41	1.00 H	20	25.33	7.26
7	7356.00	-	-	-	-	-	-	-
8	#9808.00	-	-	-	-	-	-	-
9	12260.00	-	-	-	-	-	-	-
10	#14712.00	-	-	-	-	-	-	-
11	#17164.00	-	-	-	-	-	-	-
12	19616.00	-	-	-	-	-	-	-
13	22068.00	-	-	-	-	-	-	-
14	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



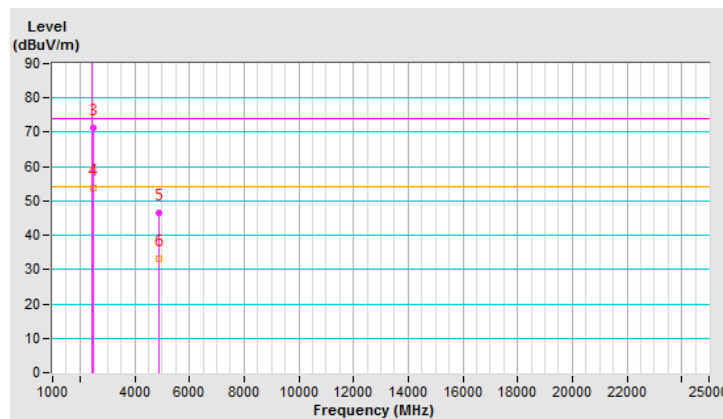
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 9：2452 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.8kHz
量測場地溫度：	21℃	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	105.04 PK			1.39 V	166	104.26	0.78
2	*2452.00	94.83 AV			1.39 V	166	94.05	0.78
3	2483.50	71.44 PK	74.00	-2.56	1.39 V	166	70.41	1.03
4	2483.50	53.66 AV	54.00	-0.34	1.39 V	166	52.63	1.03
5	4904.00	46.44 PK	74.00	-27.56	1.08 V	345	39.18	7.26
6	4904.00	33.20 AV	54.00	-20.80	1.08 V	345	25.94	7.26
7	7356.00	-	-	-	-	-	-	-
8	#9808.00	-	-	-	-	-	-	-
9	12260.00	-	-	-	-	-	-	-
10	#14712.00	-	-	-	-	-	-	-
11	#17164.00	-	-	-	-	-	-	-
12	19616.00	-	-	-	-	-	-	-
13	22068.00	-	-	-	-	-	-	-
14	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



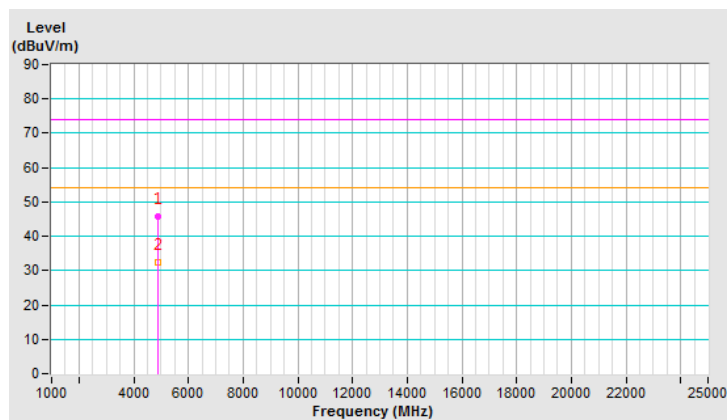
4.6.2 接收諧波

操作模式：	接收		
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4874.00	45.84 PK	74.00	-28.16	2.06 H	327	38.62	7.22
2	4874.00	32.38 AV	54.00	-21.62	2.06 H	327	25.16	7.22

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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value



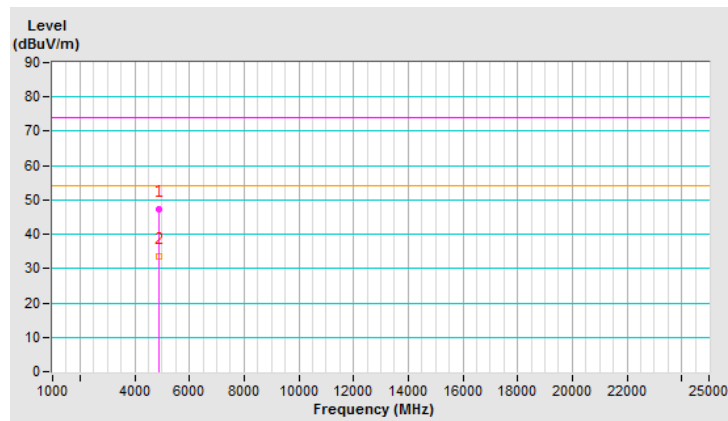
操作模式：	接收		
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 23 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4874.00	47.10 PK	74.00	-26.90	1.78 V	227	39.88	7.22
2	4874.00	33.56 AV	54.00	-20.44	1.78 V	227	26.34	7.22

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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value



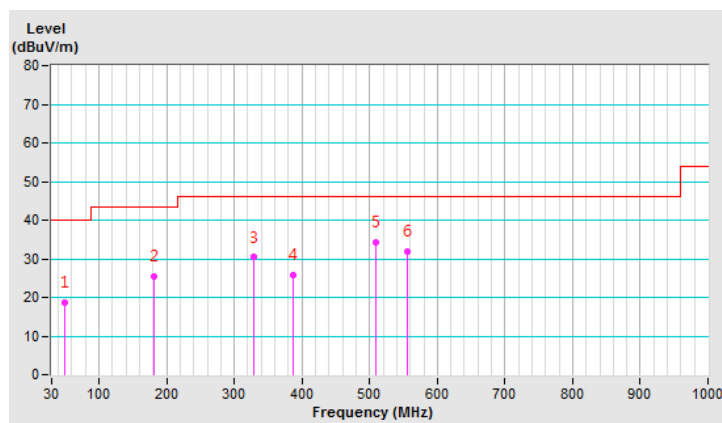
4.6.3 其它不必要之訊號

操作模式：	發射接收	調變技術：	OFDM-MIMO
基本波頻率：	CH 6：2437 MHz	測試儀器：	(QP) RB=VB=120kHz
量測場地溫度：	33°C	量測場地濕度：	66%RH
測試日期：	106 年 7 月 11 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	49.35	18.56 QP	40.00	-21.44	2.34 H	172	27.69	-9.13
2	181.42	25.50 QP	43.50	-18.00	2.15 H	60	36.06	-10.56
3	328.27	30.41 QP	46.00	-15.59	1.71 H	198	37.01	-6.60
4	386.67	25.91 QP	46.00	-20.09	2.20 H	300	31.53	-5.62
5	509.76	34.35 QP	46.00	-11.65	2.39 H	167	37.11	-2.76
6	555.30	31.87 QP	46.00	-14.13	1.88 H	9	33.86	-1.99

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. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz.



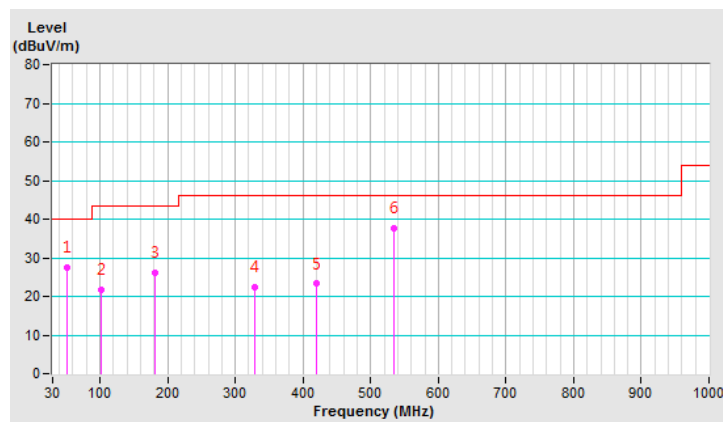
操作模式：	發射接收	調變技術：	OFDM-MIMO
基本波頻率：	CH 6：2437 MHz	測試儀器：	(QP) RB=VB=120kHz
量測場地溫度：	33°C	量測場地濕度：	66%RH
測試日期：	106 年 7 月 11 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	51.53	27.40 QP	40.00	-12.60	1.52 V	234	36.37	-8.97
2	101.83	21.77 QP	43.50	-21.73	1.99 V	178	35.47	-13.70
3	181.56	26.20 QP	43.50	-17.30	1.45 V	116	36.77	-10.57
4	329.25	22.48 QP	46.00	-23.52	2.39 V	127	29.06	-6.58
5	420.13	23.29 QP	46.00	-22.71	1.00 V	108	28.19	-4.90
6	533.72	37.59 QP	46.00	-8.41	1.85 V	124	40.10	-2.51

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. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz.



4.7 量測結果判定

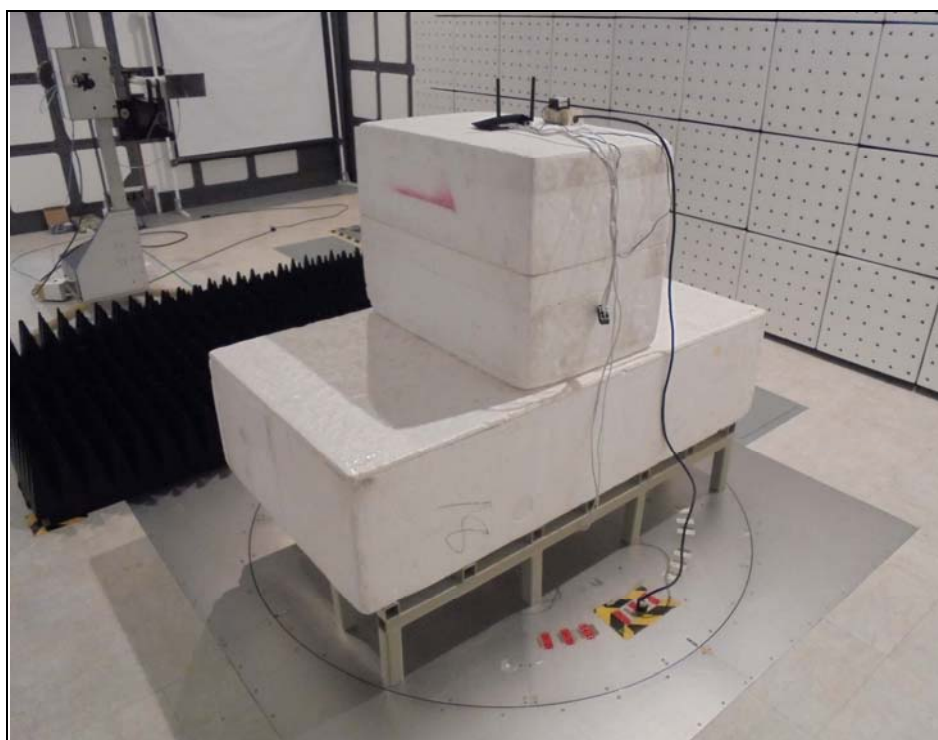
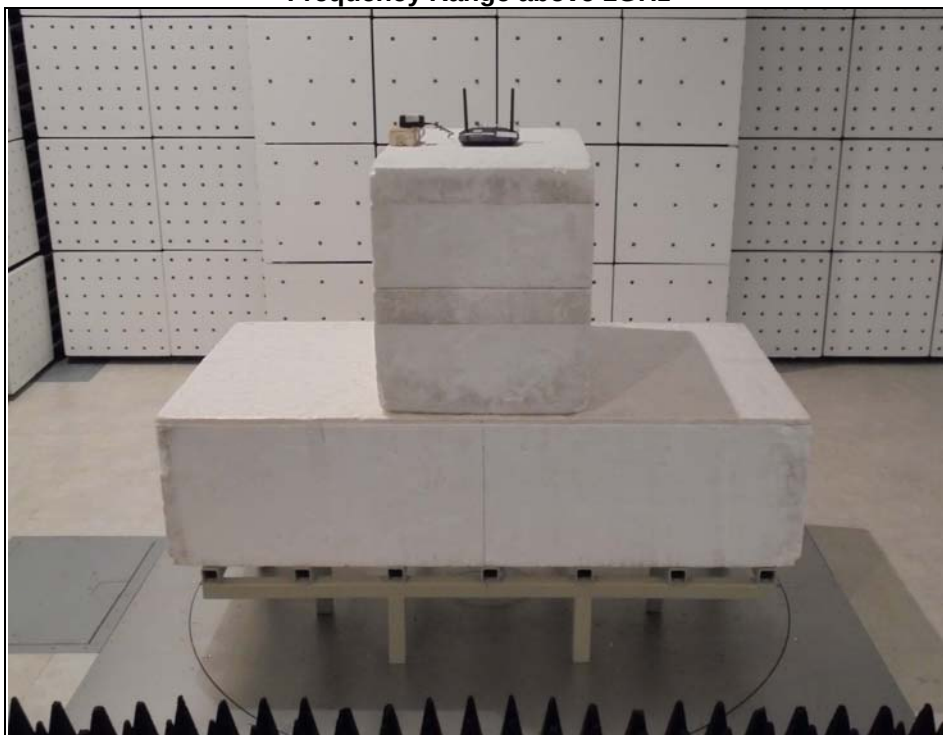
依據測試數據結果，符合低功率射頻電機技術規範之要求。

4.8 配置照片

Frequency Range below 1GHz



Frequency Range above 1GHz



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。

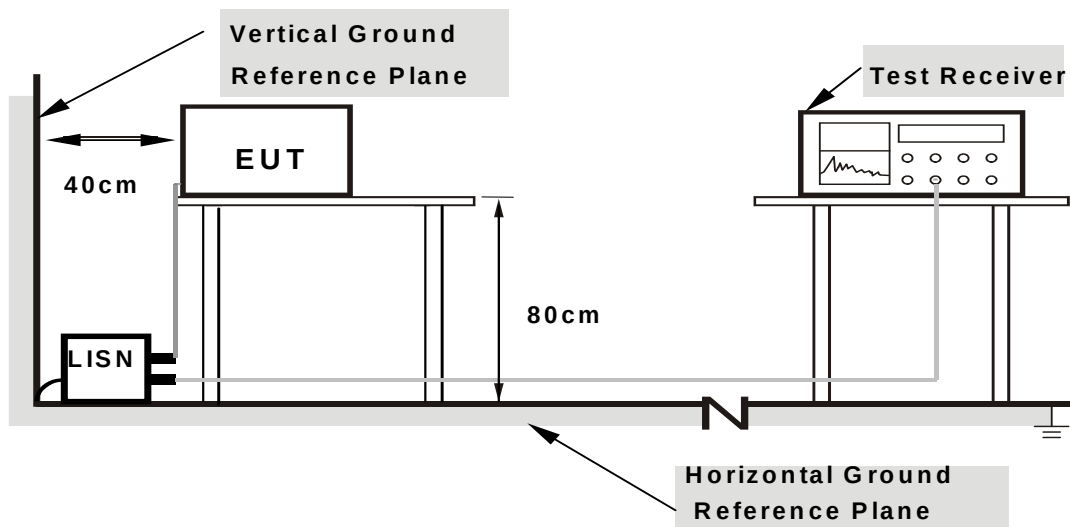
5.3 量測儀器

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
ROHDE & SCHWARZ TEST RECEIVER	ESCS 30	100276	Apr. 10, 2017	Apr. 09, 2018
ROHDE & SCHWARZ Artificial Mains Network (for EUT)	ENV216	101197	May 22, 2017	May 21, 2018
LISN With Adapter (for EUT)	AD10	C10Ada-002	May 22, 2017	May 21, 2018
ROHDE & SCHWARZ Artificial Mains Network (for peripherals)	ESH3-Z5	100218	Nov. 23, 2016	Nov. 22, 2017
SCHWARZBECK Artificial Mains Network (For EUT)	NNLK8129	8129229	May 09, 2017	May 08, 2018
Software	Cond_V7.3.7.4	NA	NA	NA
RF cable (JYEBAO) With 10dB PAD	5D-FB	Cable-C10.01	Feb. 14, 2017	Feb. 13, 2018
SUHNTER Terminator (For ROHDE & SCHWARZ LISN)	65BNC-5001	E1-011484	May 18, 2017	May 17, 2018
ROHDE & SCHWARZ Artificial Mains Network (For TV EUT)	ESH3-Z5	100220	Nov. 08, 2016	Nov. 07, 2017
LISN With Adapter (for TV EUT)	100220	N/A	Nov. 08, 2016	Nov. 07, 2017

- Notes:
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 Shielded Room No. 10.
 3. The VCCI Site Registration No. C-1852.
 4. The following table is for the measurement uncertainty, which is calculated as per the document CISPR 16-4. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Measurement	Uncertainty
Conducted emissions	± 2.77

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

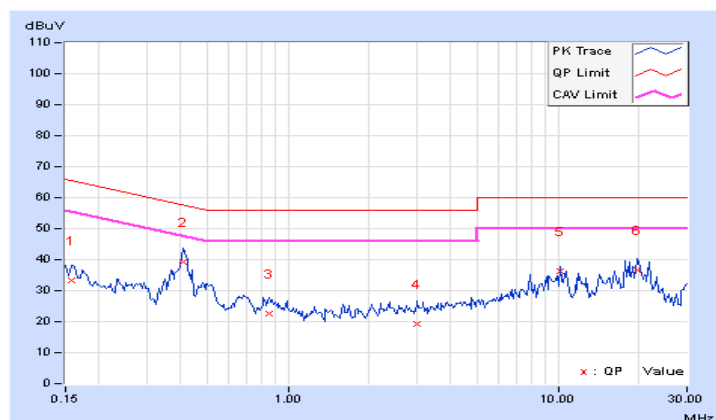
5.6 量測結果

操作模式	發射		
基本波頻率	CH 6: 2437MHz	測試日期	106 年 7 月 12 日
量測場地溫度	26°C	量測場地濕度	66%RH
測試者	張君煌		

		6 dB Bandwidth: 9kHz				PHASE: LINE (L)			
輻射頻率	校正因子	儀器讀值		結果值		限制值		餘裕度	
[MHz]	[dB]	[dB (uV)]		[dB (uV)]		[dB (uV)]		[dB]	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.15781	9.65	23.60	13.87	33.25	23.52	65.58	55.58	-32.33	-32.06
0.40781	9.69	29.66	24.65	39.35	34.34	57.69	47.69	-18.34	-13.35
0.84922	9.76	12.86	8.33	22.62	18.09	56.00	46.00	-33.38	-27.91
3.00000	9.97	9.21	3.17	19.18	13.14	56.00	46.00	-36.82	-32.86
10.24609	10.18	25.94	17.64	36.12	27.82	60.00	50.00	-23.88	-22.18
19.70313	10.36	26.34	18.79	36.70	29.15	60.00	50.00	-23.30	-20.85

NOTE:

- 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.

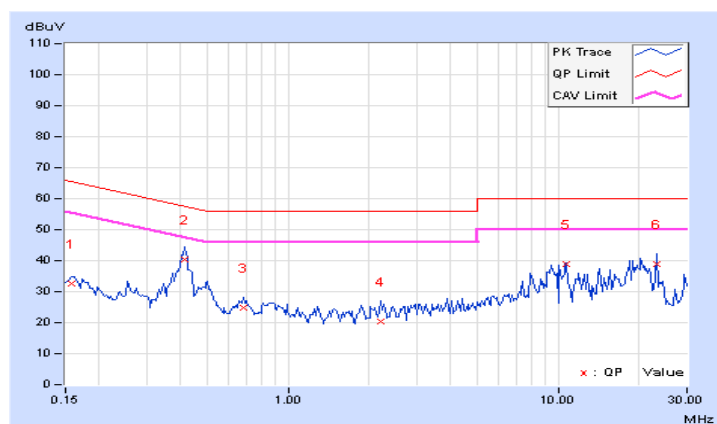


操作模式	發射		
基本波頻率	CH 6: 2437MHz	測試日期	106 年 7 月 12 日
量測場地溫度	26°C	量測場地濕度	66%RH
測試者	張君煌		

		6 dB Bandwidth: 9kHz				PHASE: NEUTRAL (N)			
輻射頻率	校正因子	儀器讀值		結果值		限制值		餘裕度	
[MHz]	[dB]	[dB (uV)]		[dB (uV)]		[dB (uV)]		[dB]	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.15781	9.69	22.85	13.47	32.54	23.16	65.58	55.58	-33.04	-32.42
0.41172	9.73	30.64	23.32	40.37	33.05	57.61	47.61	-17.24	-14.56
0.68125	9.76	15.20	11.79	24.96	21.55	56.00	46.00	-31.04	-24.45
2.19141	9.92	10.29	5.18	20.21	15.10	56.00	46.00	-35.79	-30.90
10.73438	10.27	28.74	19.99	39.01	30.26	60.00	50.00	-20.99	-19.74
23.12891	10.45	28.39	19.09	38.84	29.54	60.00	50.00	-21.16	-20.46

NOTE:

- 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，符合低功率射頻電機技術規範之要求。

5.8 配置照片



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。

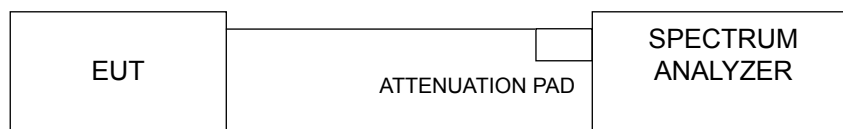
6.3 量測儀器

Description & Manufacturer	Model No.	Serial No.	Date Of Calibration	Due Date Of Calibration
ROHDE & SCHWARZ Spectrum Analyzer	FSV40	101042	Sep. 30, 2016	Sep. 29, 2017

NOTE:

- The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
- The measurement uncertainty is 207Hz, which is calculated as per the document ETSI TR 100 028. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

6.4 測試配置



6.5 量測結果

操作模式	發射	測試日期	106 年 2 月 17 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	李澤洋		

802.11b

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	10.07	9.60	0.5	PASS
6	2437	12.08	12.08	0.5	PASS
11	2462	10.06	10.01	0.5	PASS

802.11g

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	16.09	16.33	0.5	PASS
6	2437	15.70	15.74	0.5	PASS
11	2462	16.30	16.36	0.5	PASS

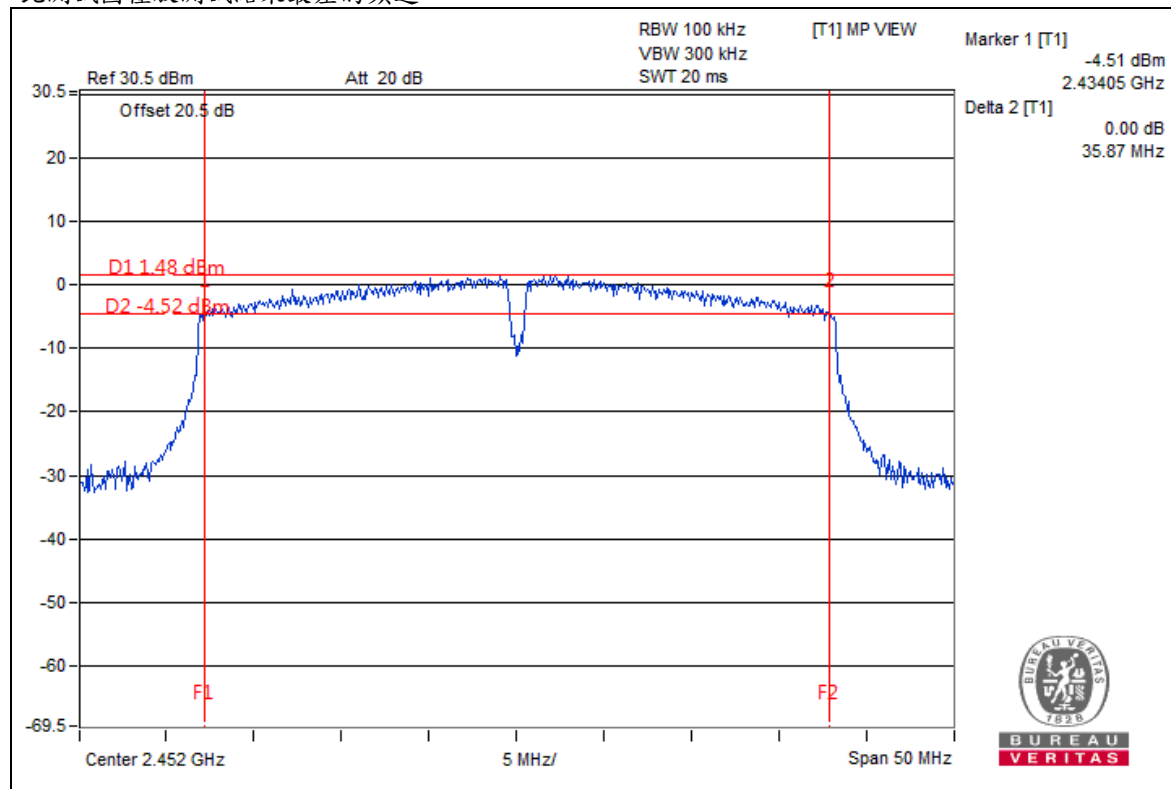
802.11n (20MHz)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	17.56	17.59	0.5	PASS
6	2437	16.89	15.48	0.5	PASS
11	2462	17.58	17.56	0.5	PASS

802.11n (40MHz)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
3	2422	35.70	35.47	0.5	PASS
6	2437	35.11	35.10	0.5	PASS
9	2452	35.87	35.68	0.5	PASS

**此測試圖僅放測試結果最差的頻道。



6.6 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

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。

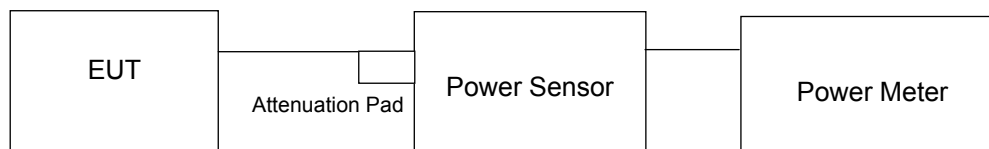
7.3 量測儀器

Description & Manufacturer	Model No.	Serial No.	Date Of Calibration	Due Date Of Calibration
Anritsu Power Sensor	MA2411B	0738404	Apr. 28, 2016	Apr. 27, 2017
Anritsu Power Meter	ML2495A	0842014	Apr. 28, 2016	Apr. 27, 2017

NOTE:

- The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
- The measurement uncertainty is 1.393dB, which is calculated as per the document ETSI TR 100 028. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
- Measurement Bandwidth of ML2495A is 65MHz greater than 6dB bandwidth of emission.

7.4 測試配置



7.5 量測結果

操作模式	發射	測試日期	106 年 2 月 17 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	李澤洋		

802.11b

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	22.46	23.29	389.502	25.91	30	Pass
6	2437	22.42	23.09	378.286	25.78	30	Pass
11	2462	21.27	21.03	260.733	24.16	30	Pass

802.11g

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	19.45	19.36	174.403	22.42	30	Pass
6	2437	22.90	23.42	414.770	26.18	30	Pass
11	2462	16.61	16.37	89.165	19.50	30	Pass

802.11n (20MHz)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	16.87	16.99	98.644	19.94	30	Pass
6	2437	22.74	23.29	401.236	26.03	30	Pass
11	2462	15.88	15.59	74.950	18.75	30	Pass

802.11n (40MHz)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
3	2422	13.78	13.55	46.524	16.68	30	Pass
6	2437	17.10	17.05	101.985	20.09	30	Pass
9	2452	12.24	11.97	32.489	15.12	30	Pass

7.6 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

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.	Date Of Calibration	Due Date Of Calibration
ROHDE & SCHWARZ Spectrum Analyzer	FSV40	101042	Sep. 30, 2016	Sep. 29, 2017

NOTE:

- The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
- The measurement uncertainty is 0.9dB, which is calculated as per the document ETSI TR 100 028. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

8.4 測試配置



8.5 量測結果

操作模式	發射	測試日期	106 年 2 月 17 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	李澤洋		

802.11b

TX chain	Channel	Freq. (MHz)	PSD (dBm)	10 log (N=2) dB	Total PSD (dBm)	Limit (dBm)	Pass /Fail
0	1	2412	-1.51	3.01	1.50	8	Pass
	6	2437	0.13	3.01	3.14	8	Pass
	11	2462	-1.33	3.01	1.68	8	Pass
1	1	2412	-1.65	3.01	1.36	8	Pass
	6	2437	1.00	3.01	4.01	8	Pass
	11	2462	-2.39	3.01	0.62	8	Pass

NOTE: Directional gain = 4.52dBi <6dBi, so the power density limit is not reduced.

802.11g

TX chain	Channel	Freq. (MHz)	PSD (dBm)	10 log (N=2) dB	Total PSD (dBm)	Limit (dBm)	Pass /Fail
0	1	2412	-7.32	3.01	-4.31	8	Pass
	6	2437	-3.94	3.01	-0.93	8	Pass
	11	2462	-7.33	3.01	-4.32	8	Pass
1	1	2412	-7.27	3.01	-4.26	8	Pass
	6	2437	-4.26	3.01	-1.25	8	Pass
	11	2462	-7.62	3.01	-4.61	8	Pass

NOTE: Directional gain = 4.52dBi <6dBi, so the power density limit is not reduced.

802.11n (20MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm)	10 log (N=2) dB	Total PSD (dBm)	Limit (dBm)	Pass /Fail
0	1	2412	-8.16	3.01	-5.15	8	Pass
	6	2437	-4.14	3.01	-1.13	8	Pass
	11	2462	-6.93	3.01	-3.92	8	Pass
1	1	2412	-7.55	3.01	-4.54	8	Pass
	6	2437	-3.91	3.01	-0.90	8	Pass
	11	2462	-6.19	3.01	-3.18	8	Pass

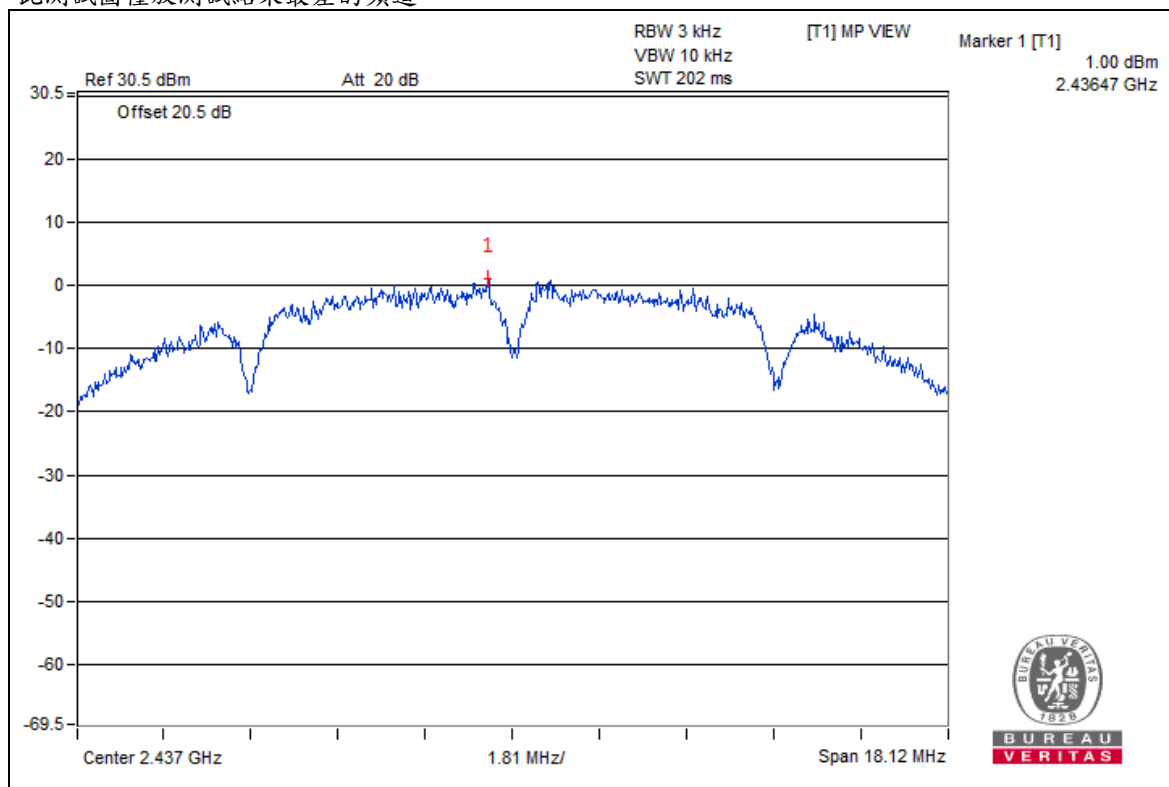
NOTE: Directional gain = 4.52dBi <6dBi, so the power density limit is not reduced.

802.11n (40MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm)	10 log (N=2) dB	Total PSD (dBm)	Limit (dBm)	Pass /Fail
0	3	2422	-10.38	3.01	-7.37	8	Pass
	6	2437	-11.15	3.01	-8.14	8	Pass
	9	2452	-9.67	3.01	-6.66	8	Pass
1	3	2422	-10.59	3.01	-7.58	8	Pass
	6	2437	-10.60	3.01	-7.59	8	Pass
	9	2452	-9.38	3.01	-6.37	8	Pass

NOTE: Directional gain = 4.52dBi <6dBi, so the power density limit is not reduced.

**此測試圖僅放測試結果最差的頻道。



8.6 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

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 帶外發射之測試配置

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 v01r03		Field Strength at 3m	
		PK:74 (dBμV/m)	AV:54 (dBμV/m)
操作頻帶	Applicable To	EIRP Limit	Equivalent Field Strength at 3m
5150~5250 MHz	技術規範 4.7.4.1 節	PK:-27 (dBm/MHz)	PK:68.2(dBμV/m)
5250~5350 MHz	技術規範 4.7.4.1 節		
5470~5725 MHz	技術規範 4.7.4.1 節		
5725~5850 MHz	☒ 技術規範 4.7.4.2 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}
	☐ 技術規範 4.7.4.7 節	適用 3.10.1.5 節帶外發射限制	
* ¹ beyond 75 MHz or more above of the band edge.		* ² below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.	
* ³ below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 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 帶外發射之量測結果

9.6.1 發射諧波

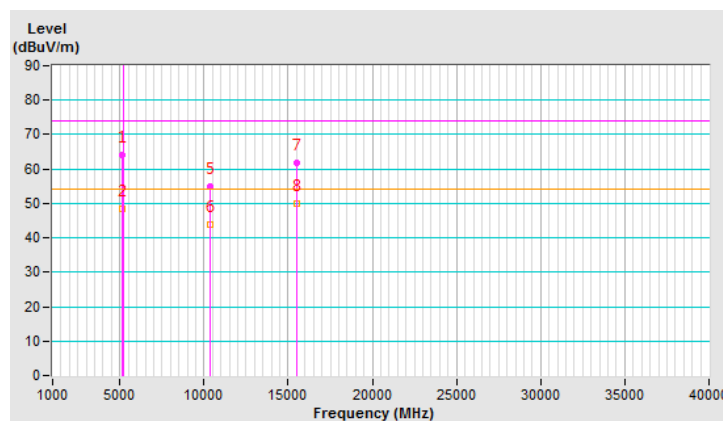
802.11a

操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 36 : 5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 24 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (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	63.98 PK	74.00	-10.02	1.74 H	110	56.03	7.95
2	5150.00	48.32 AV	54.00	-5.68	1.74 H	110	40.37	7.95
3	*5180.00	104.46 PK			1.74 H	110	96.37	8.09
4	*5180.00	95.21 AV			1.74 H	110	87.12	8.09
5	10360.00	54.73 PK	74.00	-19.27	2.23 H	289	36.85	17.88
6	10360.00	43.78 AV	54.00	-10.22	2.23 H	289	25.90	17.88
7	15540.00	61.61 PK	74.00	-12.39	2.08 H	199	40.07	21.54
8	15540.00	49.97 AV	54.00	-4.03	2.08 H	199	28.43	21.54
9	20720.00	-	-	-	-	-	-	-
10	#25900.00	-	-	-	-	-	-	-
11	#31080.00	-	-	-	-	-	-	-
12	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.

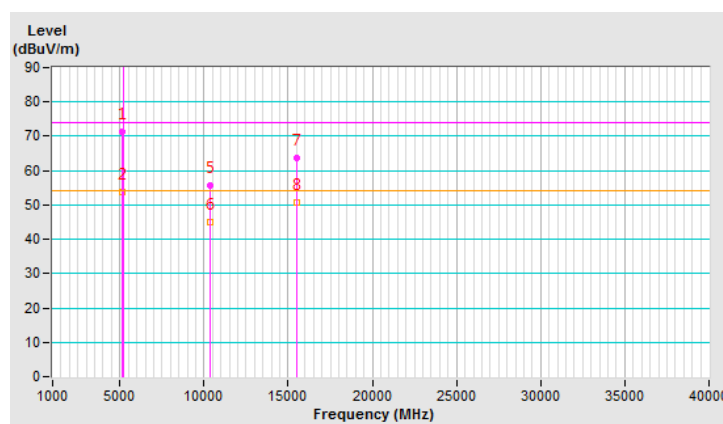


操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 36：5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 24 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	71.44 PK	74.00	-2.56	1.00 V	217	63.49	7.95
2	5150.00	53.73 AV	54.00	-0.27	1.00 V	217	45.78	7.95
3	*5180.00	110.93 PK			1.00 V	217	102.84	8.09
4	*5180.00	101.24 AV			1.00 V	217	93.15	8.09
5	10360.00	55.69 PK	74.00	-18.31	1.55 V	331	37.81	17.88
6	10360.00	44.81 AV	54.00	-9.19	1.55 V	331	26.93	17.88
7	15540.00	63.57 PK	74.00	-10.43	1.06 V	190	42.03	21.54
8	15540.00	50.70 AV	54.00	-3.30	1.06 V	190	29.16	21.54
9	20720.00	-	-	-	-	-	-	-
10	#25900.00	-	-	-	-	-	-	-
11	#31080.00	-	-	-	-	-	-	-
12	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



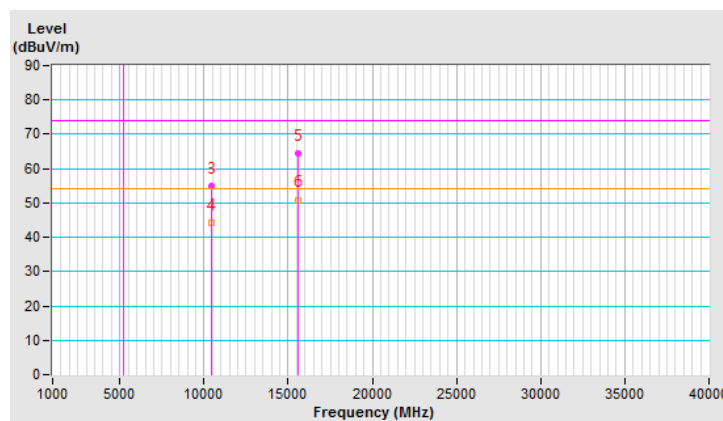
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 24 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	106.03 PK			1.69 H	107	97.85	8.18
2	*5200.00	96.80 AV			1.69 H	107	88.62	8.18
3	10400.00	54.92 PK	74.00	-19.08	2.27 H	302	36.91	18.01
4	10400.00	44.14 AV	54.00	-9.86	2.27 H	302	26.13	18.01
5	15600.00	64.44 PK	74.00	-9.56	1.84 H	207	42.65	21.79
6	15600.00	50.90 AV	54.00	-3.10	1.84 H	207	29.11	21.79
7	20800.00	-	-	-	-	-	-	-
8	#26000.00	-	-	-	-	-	-	-
9	31200.00	-	-	-	-	-	-	-
10	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



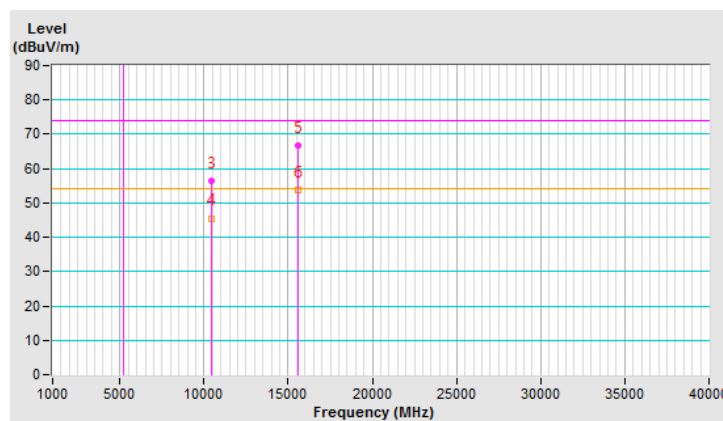
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	112.34 PK			1.03 V	211	104.16	8.18
2	*5200.00	102.70 AV			1.03 V	211	94.52	8.18
3	10400.00	56.43 PK	74.00	-17.57	1.63 V	345	38.42	18.01
4	10400.00	45.56 AV	54.00	-8.44	1.63 V	345	27.55	18.01
5	15600.00	66.71 PK	74.00	-7.29	1.79 V	227	44.92	21.79
6	15600.00	53.68 AV	54.00	-0.32	1.79 V	227	31.89	21.79
7	20800.00	-	-	-	-	-	-	-
8	#26000.00	-	-	-	-	-	-	-
9	31200.00	-	-	-	-	-	-	-
10	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



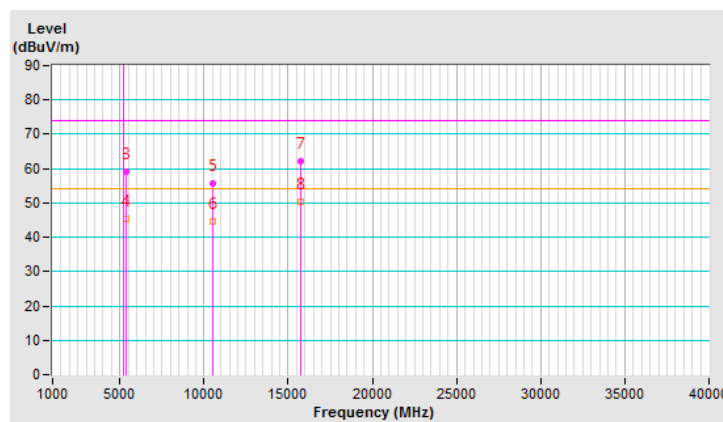
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (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	103.40 PK			1.27 H	125	95.16	8.24
2	*5240.00	93.17 AV			1.27 H	125	84.93	8.24
3	5350.00	59.21 PK	74.00	-14.79	1.27 H	125	50.74	8.47
4	5350.00	45.43 AV	54.00	-8.57	1.27 H	125	36.96	8.47
5	10480.00	55.53 PK	74.00	-18.47	2.24 H	295	37.16	18.37
6	10480.00	44.59 AV	54.00	-9.41	2.24 H	295	26.22	18.37
7	15720.00	62.27 PK	74.00	-11.73	1.50 H	53	40.84	21.43
8	15720.00	50.40 AV	54.00	-3.60	1.50 H	53	28.97	21.43
9	20960.00	-	-	-	-	-	-	-
10	#26200.00	-	-	-	-	-	-	-
11	31440.00	-	-	-	-	-	-	-
12	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



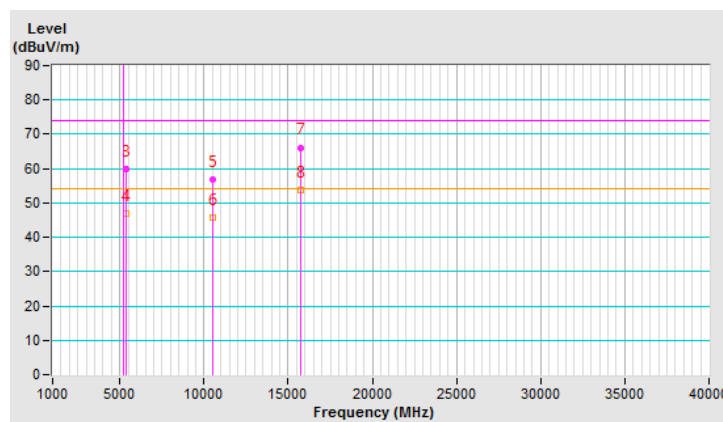
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	112.29 PK			1.00 V	237	104.05	8.24
2	*5240.00	102.51 AV			1.00 V	237	94.27	8.24
3	5350.00	59.70 PK	74.00	-14.30	1.00 V	237	51.23	8.47
4	5350.00	47.01 AV	54.00	-6.99	1.00 V	237	38.54	8.47
5	10480.00	56.76 PK	74.00	-17.24	1.73 V	222	38.39	18.37
6	10480.00	45.68 AV	54.00	-8.32	1.73 V	222	27.31	18.37
7	15720.00	66.14 PK	74.00	-7.86	2.90 V	346	44.71	21.43
8	15720.00	53.62 AV	54.00	-0.38	2.90 V	346	32.19	21.43
9	20960.00	-	-	-	-	-	-	-
10	#26200.00	-	-	-	-	-	-	-
11	31440.00	-	-	-	-	-	-	-
12	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



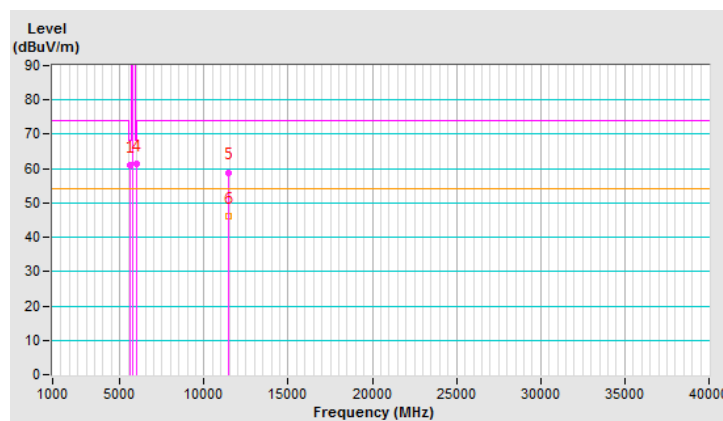
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5594.18	61.04 PK	68.20	-7.16	1.19 H	138	51.36	9.68
2	*5745.00	107.75 PK			1.19 H	138	98.19	9.56
3	*5745.00	97.58 AV			1.19 H	138	88.02	9.56
4	6021.68	61.26 PK	68.20	-6.94	1.19 H	138	51.07	10.19
5	11490.00	58.91 PK	74.00	-15.09	1.52 H	204	38.94	19.97
6	11490.00	46.14 AV	54.00	-7.86	1.52 H	204	26.17	19.97
7	#17235.00	-	-	-	-	-	-	-
8	22980.00	-	-	-	-	-	-	-
9	#28725.00	-	-	-	-	-	-	-
10	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.

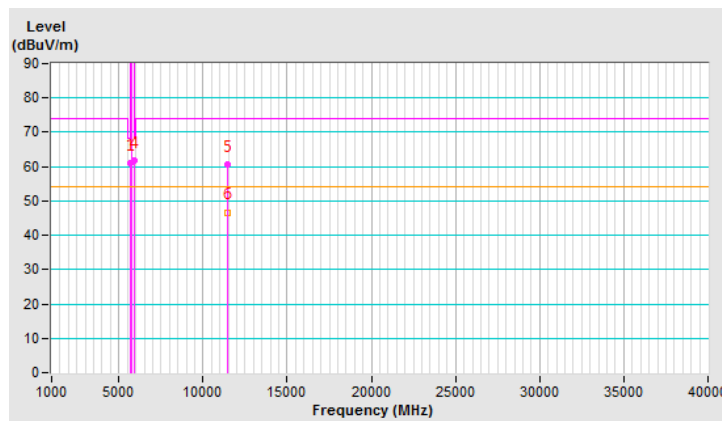


操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5648.32	61.05 PK	68.20	-7.15	2.24 V	345	51.35	9.70
2	*5745.00	116.06 PK			2.24 V	345	106.50	9.56
3	*5745.00	105.51 AV			2.24 V	345	95.95	9.56
4	5943.77	61.61 PK	68.20	-6.59	2.24 V	345	51.86	9.75
5	11490.00	60.78 PK	74.00	-13.22	1.88 V	229	40.81	19.97
6	11490.00	46.70 AV	54.00	-7.30	1.88 V	229	26.73	19.97
7	#17235.00	-	-	-	-	-	-	-
8	22980.00	-	-	-	-	-	-	-
9	#28725.00	-	-	-	-	-	-	-
10	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



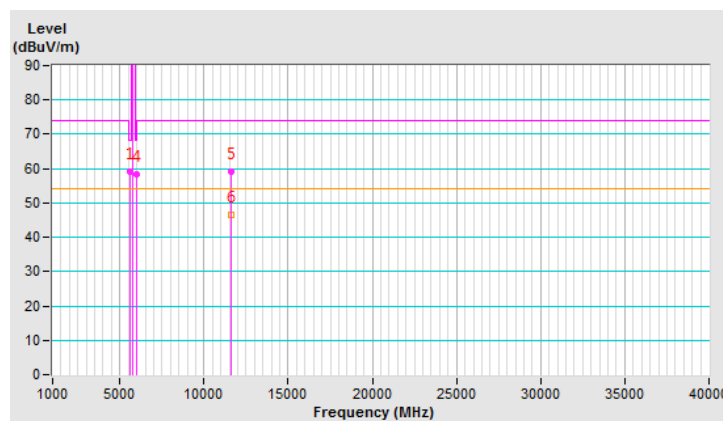
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5618.87	59.25 PK	68.20	-8.95	1.24 H	131	49.54	9.71
2	*5785.00	109.26 PK			1.24 H	131	99.81	9.45
3	*5785.00	99.01 AV			1.24 H	131	89.56	9.45
4	6010.75	58.49 PK	68.20	-9.71	1.24 H	131	48.38	10.11
5	11570.00	59.17 PK	74.00	-14.83	1.60 H	209	38.85	20.32
6	11570.00	46.52 AV	54.00	-7.48	1.60 H	209	26.20	20.32
7	#17355.00	-	-	-	-	-	-	-
8	#23140.00	-	-	-	-	-	-	-
9	#28925.00	-	-	-	-	-	-	-
10	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



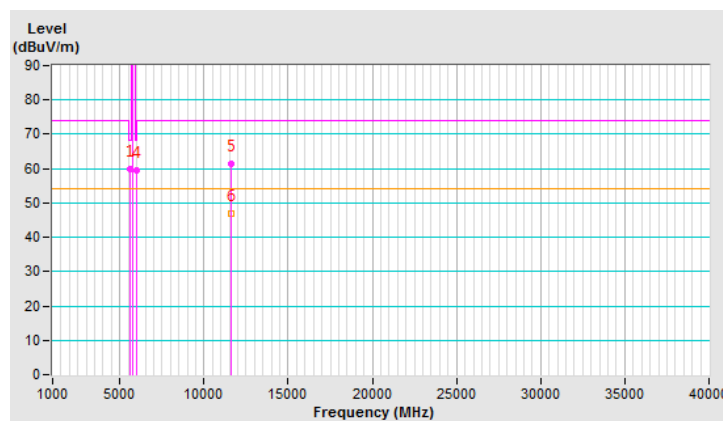
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5568.05	59.72 PK	68.20	-8.48	2.27 V	351	50.13	9.59
2	*5785.00	115.98 PK			2.27 V	351	106.53	9.45
3	*5785.00	104.92 AV			2.27 V	351	95.47	9.45
4	5977.02	59.35 PK	68.20	-8.85	2.27 V	351	49.42	9.93
5	11570.00	61.25 PK	74.00	-12.75	1.67 V	227	40.93	20.32
6	11570.00	46.91 AV	54.00	-7.09	1.67 V	227	26.59	20.32
7	#17355.00	-	-	-	-	-	-	-
8	#23140.00	-	-	-	-	-	-	-
9	#28925.00	-	-	-	-	-	-	-
10	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



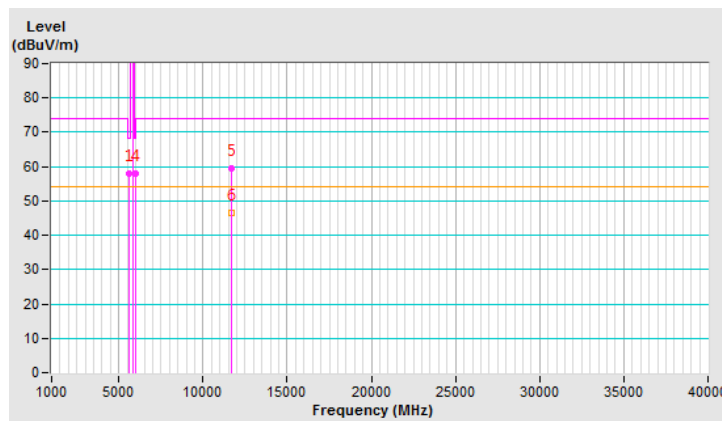
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5620.77	57.80 PK	68.20	-10.40	1.35 H	109	48.10	9.70
2	*5825.00	108.15 PK			1.35 H	109	98.72	9.43
3	*5825.00	98.27 AV			1.35 H	109	88.84	9.43
4	6019.30	57.83 PK	68.20	-10.37	1.35 H	109	47.66	10.17
5	11650.00	59.42 PK	74.00	-14.58	1.57 H	217	39.15	20.27
6	11650.00	46.35 AV	54.00	-7.65	1.57 H	217	26.08	20.27
7	#17475.00	-	-	-	-	-	-	-
8	#23300.00	-	-	-	-	-	-	-
9	#29125.00	-	-	-	-	-	-	-
10	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



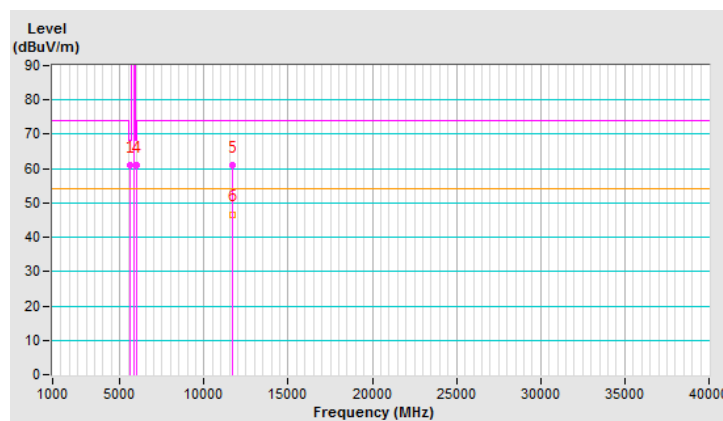
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5606.05	60.91 PK	68.20	-7.29	2.21 V	343	51.21	9.70
2	*5825.00	115.64 PK			2.21 V	343	106.21	9.43
3	*5825.00	105.37 AV			2.21 V	343	95.94	9.43
4	5957.07	60.89 PK	68.20	-7.31	2.21 V	343	51.06	9.83
5	11650.00	61.09 PK	74.00	-12.91	1.74 V	240	40.82	20.27
6	11650.00	46.68 AV	54.00	-7.32	1.74 V	240	26.41	20.27
7	#17475.00	-	-	-	-	-	-	-
8	#23300.00	-	-	-	-	-	-	-
9	#29125.00	-	-	-	-	-	-	-
10	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



802.11n (20MHz)

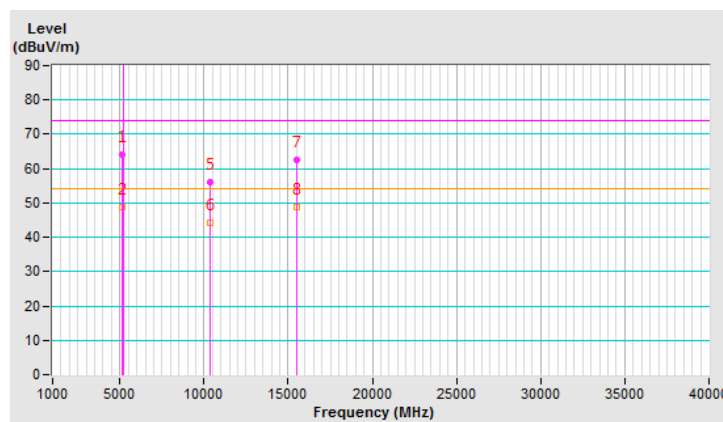
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 36 : 5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (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	64.19 PK	74.00	-9.81	1.25 H	129	56.24	7.95
2	5150.00	48.70 AV	54.00	-5.30	1.25 H	129	40.75	7.95
3	*5180.00	103.51 PK			1.25 H	129	95.42	8.09
4	*5180.00	93.66 AV			1.25 H	129	85.57	8.09
5	10360.00	55.94 PK	74.00	-18.06	2.17 H	290	38.06	17.88
6	10360.00	44.11 AV	54.00	-9.89	2.17 H	290	26.23	17.88
7	15540.00	62.60 PK	74.00	-11.40	1.54 H	59	41.06	21.54
8	15540.00	48.69 AV	54.00	-5.31	1.54 H	59	27.15	21.54
9	20720.00	-	-	-	-	-	-	-
10	#25900.00	-	-	-	-	-	-	-
11	#31080.00	-	-	-	-	-	-	-
12	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.

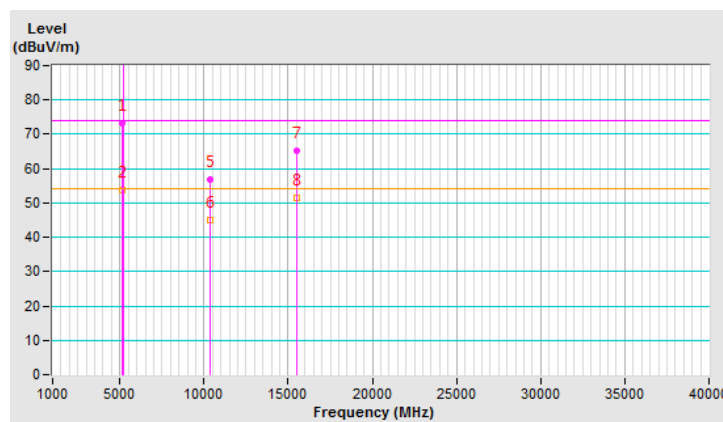


操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 36：5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	73.08 PK	74.00	-0.92	1.00 V	177	65.13	7.95
2	5150.00	53.64 AV	54.00	-0.36	1.00 V	177	45.69	7.95
3	*5180.00	110.44 PK			1.00 V	177	102.35	8.09
4	*5180.00	100.50 AV			1.00 V	177	92.41	8.09
5	10360.00	56.79 PK	74.00	-17.21	1.64 V	275	38.91	17.88
6	10360.00	44.92 AV	54.00	-9.08	1.64 V	275	27.04	17.88
7	15540.00	65.04 PK	74.00	-8.96	2.92 V	339	43.50	21.54
8	15540.00	51.36 AV	54.00	-2.64	2.92 V	339	29.82	21.54
9	20720.00	-	-	-	-	-	-	-
10	#25900.00	-	-	-	-	-	-	-
11	#31080.00	-	-	-	-	-	-	-
12	#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. The other emission levels were very low against the limit.
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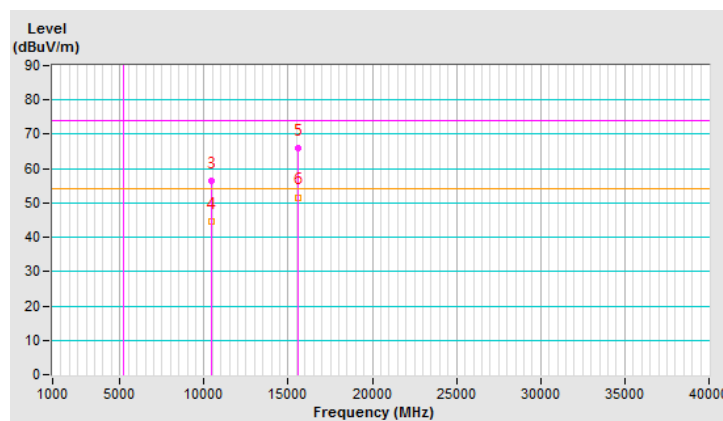
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	102.55 PK			1.28 H	131	94.37	8.18
2	*5200.00	92.84 AV			1.28 H	131	84.66	8.18
3	10400.00	56.52 PK	74.00	-17.48	2.20 H	298	38.51	18.01
4	10400.00	44.44 AV	54.00	-9.56	2.20 H	298	26.43	18.01
5	15600.00	66.04 PK	74.00	-7.96	1.63 H	50	44.25	21.79
6	15600.00	51.66 AV	54.00	-2.34	1.63 H	50	29.87	21.79
7	20800.00	-	-	-	-	-	-	-
8	#26000.00	-	-	-	-	-	-	-
9	31200.00	-	-	-	-	-	-	-
10	#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. The other emission levels were very low against the limit.
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5. " * ": Fundamental frequency (主頻).
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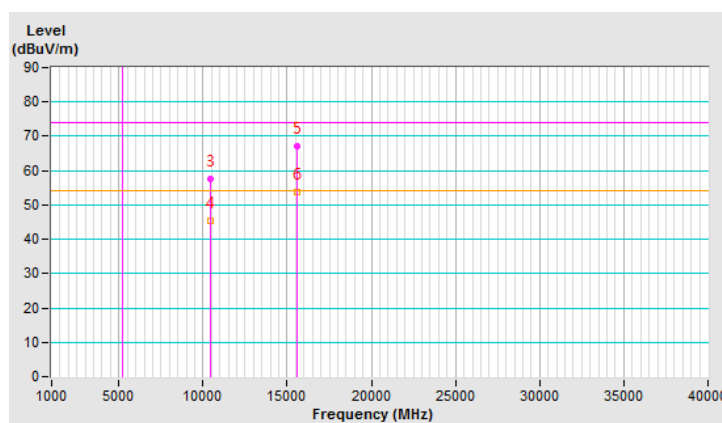
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	111.67 PK			1.03 V	179	103.49	8.18
2	*5200.00	101.99 AV			1.03 V	179	93.81	8.18
3	10400.00	57.65 PK	74.00	-16.35	1.58 V	277	39.64	18.01
4	10400.00	45.24 AV	54.00	-8.76	1.58 V	277	27.23	18.01
5	15600.00	67.07 PK	74.00	-6.93	2.99 V	327	45.28	21.79
6	15600.00	53.75 AV	54.00	-0.25	2.99 V	327	31.96	21.79
7	20800.00	-	-	-	-	-	-	-
8	#26000.00	-	-	-	-	-	-	-
9	31200.00	-	-	-	-	-	-	-
10	#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)
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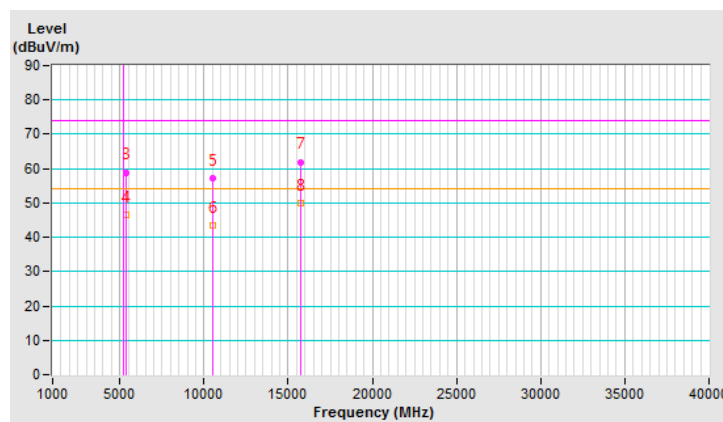
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21℃	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (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	103.09 PK			1.98 H	264	94.85	8.24
2	*5240.00	92.49 AV			1.98 H	264	84.25	8.24
3	5350.00	58.89 PK	74.00	-15.11	1.98 H	264	50.42	8.47
4	5350.00	46.66 AV	54.00	-7.34	1.98 H	264	38.19	8.47
5	10480.00	57.26 PK	74.00	-16.74	2.15 H	336	38.89	18.37
6	10480.00	43.61 AV	54.00	-10.39	2.15 H	336	25.24	18.37
7	15720.00	61.95 PK	74.00	-12.05	1.47 H	336	40.52	21.43
8	15720.00	49.79 AV	54.00	-4.21	1.47 H	336	28.36	21.43
9	20960.00	-	-	-	-	-	-	-
10	#26200.00	-	-	-	-	-	-	-
11	31440.00	-	-	-	-	-	-	-
12	#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)
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5. " * ": Fundamental frequency (主頻).
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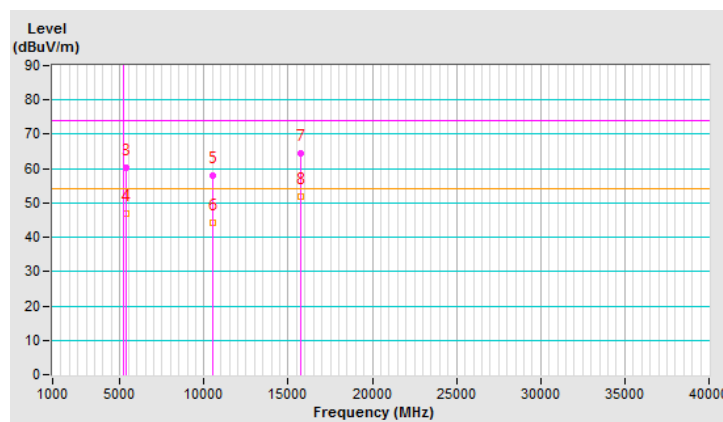
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	112.72 PK			2.28 V	295	104.48	8.24
2	*5240.00	101.73 AV			2.28 V	295	93.49	8.24
3	5350.00	60.21 PK	74.00	-13.79	2.28 V	295	51.74	8.47
4	5350.00	47.02 AV	54.00	-6.98	2.28 V	295	38.55	8.47
5	10480.00	58.06 PK	74.00	-15.94	1.37 V	254	39.69	18.37
6	10480.00	44.36 AV	54.00	-9.64	1.37 V	254	25.99	18.37
7	15720.00	64.35 PK	74.00	-9.65	3.78 V	142	42.92	21.43
8	15720.00	51.72 AV	54.00	-2.28	3.78 V	142	30.29	21.43
9	20960.00	-	-	-	-	-	-	-
10	#26200.00	-	-	-	-	-	-	-
11	31440.00	-	-	-	-	-	-	-
12	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.

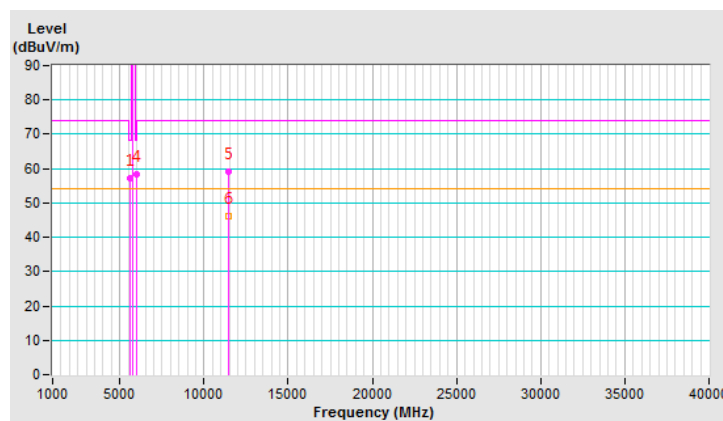


操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5603.20	57.11 PK	68.20	-11.09	1.29 H	124	47.41	9.70
2	*5745.00	106.97 PK			1.29 H	124	97.41	9.56
3	*5745.00	97.12 AV			1.29 H	124	87.56	9.56
4	5987.95	58.18 PK	68.20	-10.02	1.29 H	124	48.20	9.98
5	11490.00	59.03 PK	74.00	-14.97	1.66 H	220	39.06	19.97
6	11490.00	46.10 AV	54.00	-7.90	1.66 H	220	26.13	19.97
7	#17235.00	-	-	-	-	-	-	-
8	22980.00	-	-	-	-	-	-	-
9	#28725.00	-	-	-	-	-	-	-
10	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.

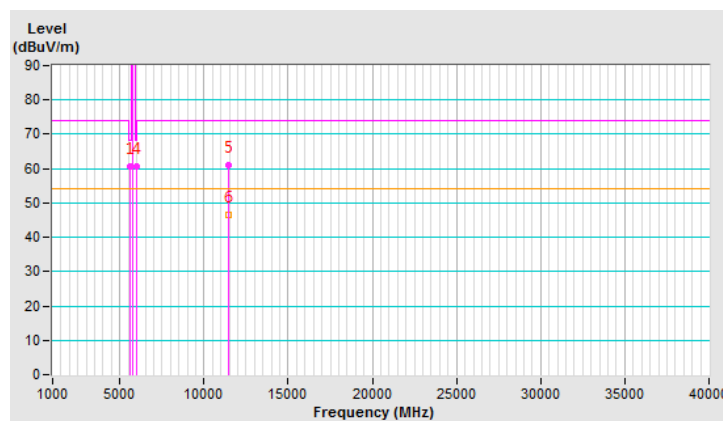


操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5633.12	60.69 PK	68.20	-7.51	2.26 V	346	50.98	9.71
2	*5745.00	115.83 PK			2.26 V	346	106.27	9.56
3	*5745.00	105.73 AV			2.26 V	346	96.17	9.56
4	5961.35	60.78 PK	68.20	-7.42	2.26 V	346	50.93	9.85
5	11490.00	60.91 PK	74.00	-13.09	1.62 V	245	40.94	19.97
6	11490.00	46.62 AV	54.00	-7.38	1.62 V	245	26.65	19.97
7	#17235.00	-	-	-	-	-	-	-
8	22980.00	-	-	-	-	-	-	-
9	#28725.00	-	-	-	-	-	-	-
10	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



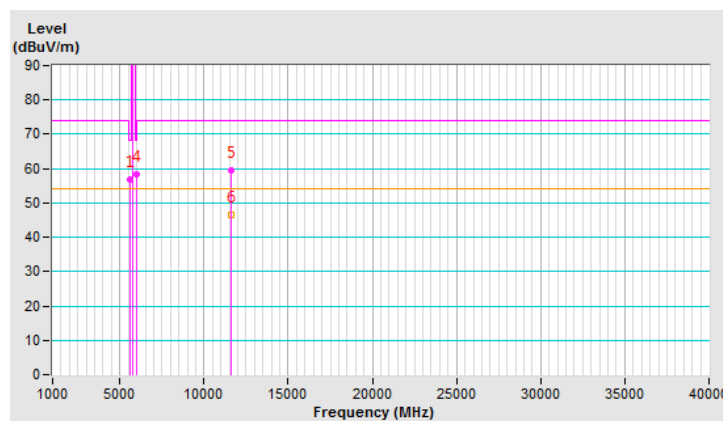
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5612.23	56.88 PK	68.20	-11.32	1.24 H	128	47.17	9.71
2	*5785.00	106.96 PK			1.24 H	128	97.51	9.45
3	*5785.00	97.07 AV			1.24 H	128	87.62	9.45
4	6010.27	58.29 PK	68.20	-9.91	1.24 H	128	48.19	10.10
5	11570.00	59.57 PK	74.00	-14.43	1.59 H	217	39.25	20.32
6	11570.00	46.53 AV	54.00	-7.47	1.59 H	217	26.21	20.32
7	#17355.00	-	-	-	-	-	-	-
8	#23140.00	-	-	-	-	-	-	-
9	#28925.00	-	-	-	-	-	-	-
10	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



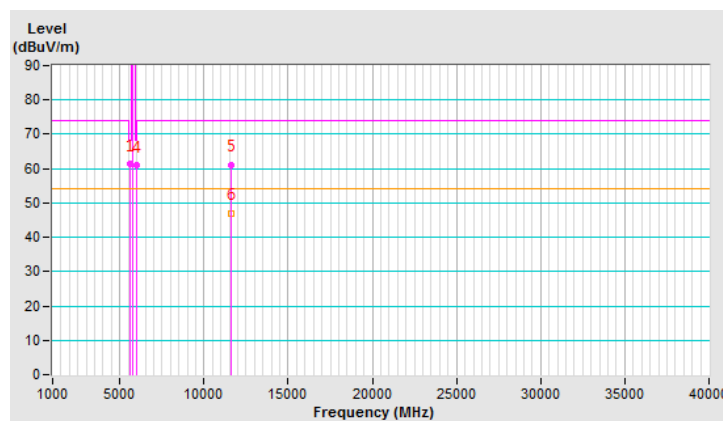
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5586.57	61.24 PK	68.20	-6.96	2.27 V	344	51.58	9.66
2	*5785.00	115.91 PK			2.27 V	344	106.46	9.45
3	*5785.00	105.78 AV			2.27 V	344	96.33	9.45
4	5993.65	60.90 PK	68.20	-7.30	2.27 V	344	50.90	10.00
5	11570.00	61.19 PK	74.00	-12.81	1.58 V	247	40.87	20.32
6	11570.00	47.06 AV	54.00	-6.94	1.58 V	247	26.74	20.32
7	#17355.00	-	-	-	-	-	-	-
8	#23140.00	-	-	-	-	-	-	-
9	#28925.00	-	-	-	-	-	-	-
10	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



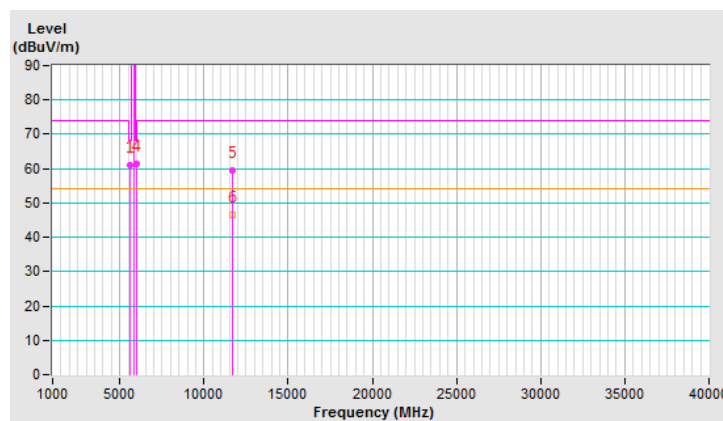
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5584.20	61.00 PK	68.20	-7.20	1.31 H	121	51.36	9.64
2	*5825.00	107.18 PK			1.31 H	121	97.75	9.43
3	*5825.00	97.77 AV			1.31 H	121	88.34	9.43
4	6015.50	61.32 PK	68.20	-6.88	1.31 H	121	51.18	10.14
5	11650.00	59.45 PK	74.00	-14.55	1.52 H	223	39.18	20.27
6	11650.00	46.36 AV	54.00	-7.64	1.52 H	223	26.09	20.27
7	#17475.00	-	-	-	-	-	-	-
8	#23300.00	-	-	-	-	-	-	-
9	#29125.00	-	-	-	-	-	-	-
10	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.

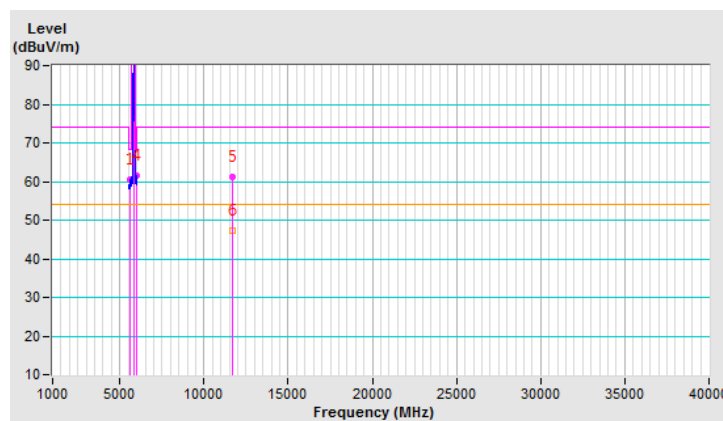


操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=680Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5638.82	60.53 PK	68.20	-7.67	2.23 V	347	50.83	9.70
2	*5825.00	116.03 PK			2.23 V	347	106.60	9.43
3	*5825.00	106.27 AV			2.23 V	347	96.84	9.43
4	5998.87	61.45 PK	68.20	-6.75	2.23 V	347	51.42	10.03
5	11650.00	61.16 PK	74.00	-12.84	1.53 V	239	40.89	20.27
6	11650.00	47.32 AV	54.00	-6.68	1.53 V	239	27.05	20.27
7	#17475.00	-	-	-	-	-	-	-
8	#23300.00	-	-	-	-	-	-	-
9	#29125.00	-	-	-	-	-	-	-
10	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



802.11n (40MHz)

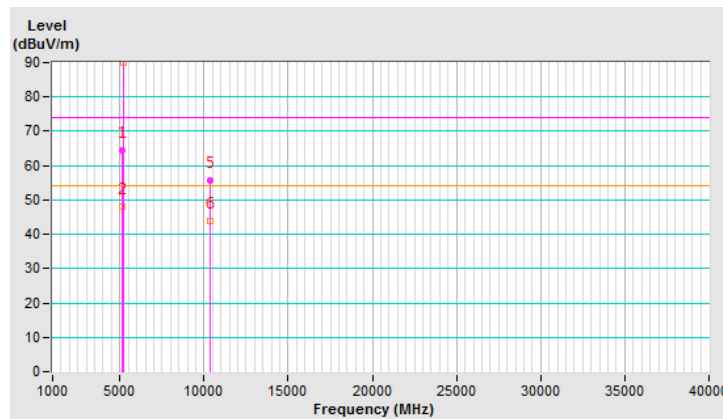
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 38 : 5190 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.6kHz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (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	64.26 PK	74.00	-9.74	1.26 H	154	56.31	7.95
2	5150.00	48.14 AV	54.00	-5.86	1.26 H	154	40.19	7.95
3	*5190.00	98.75 PK			1.26 H	154	90.62	8.13
4	*5190.00	89.90 AV			1.26 H	154	81.77	8.13
5	10380.00	55.80 PK	74.00	-18.20	1.54 H	68	37.85	17.95
6	10380.00	43.98 AV	54.00	-10.02	1.54 H	68	26.03	17.95
7	15570.00	-	-	-	-	-	-	-
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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



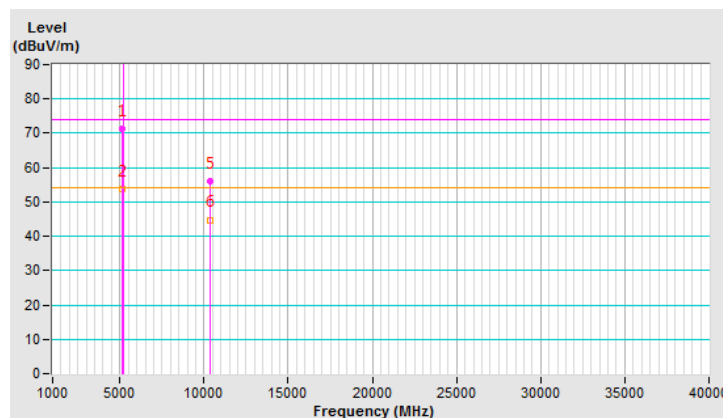
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 38 : 5190 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.6kHz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	71.42 PK	74.00	-2.58	2.24 V	22	63.47	7.95
2	5150.00	53.73 AV	54.00	-0.27	2.24 V	22	45.78	7.95
3	*5190.00	107.10 PK			4.00 V	22	98.97	8.13
4	*5190.00	97.47 AV			3.27 V	357	89.34	8.13
5	10380.00	56.01 PK	74.00	-17.99	1.38 V	269	38.06	17.95
6	10380.00	44.79 AV	54.00	-9.21	1.38 V	269	26.84	17.95
7	15570.00	-	-	-	-	-	-	-
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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



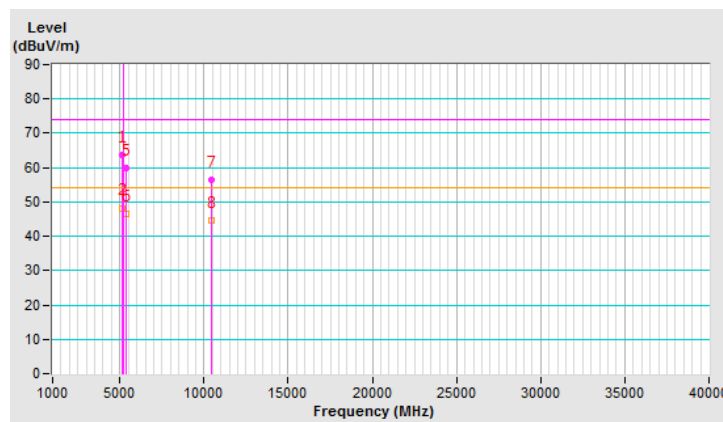
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 46：5230 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.6kHz
量測場地溫度：	21℃	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (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	63.72 PK	74.00	-10.28	1.29 H	145	55.77	7.95
2	5150.00	48.23 AV	54.00	-5.77	1.29 H	145	40.28	7.95
3	*5230.00	106.07 PK			1.29 H	145	97.84	8.23
4	*5230.00	96.50 AV			1.29 H	145	88.27	8.23
5	5350.00	59.81 PK	74.00	-14.19	1.29 H	145	51.34	8.47
6	5350.00	46.38 AV	54.00	-7.62	1.29 H	145	37.91	8.47
7	10460.00	56.49 PK	74.00	-17.51	1.61 H	58	38.21	18.28
8	10460.00	44.67 AV	54.00	-9.33	1.61 H	58	26.39	18.28
9	15690.00	-	-	-	-	-	-	-
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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



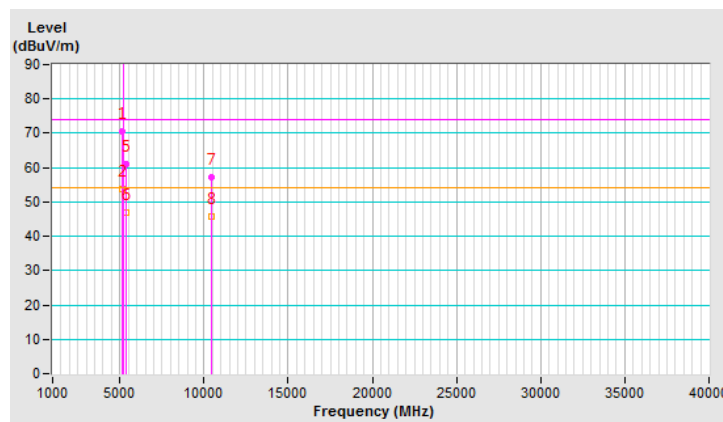
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 46：5230 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.6kHz
量測場地溫度：	21℃	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	70.69 PK	74.00	-3.31	2.27 V	345	62.74	7.95
2	5150.00	53.64 AV	54.00	-0.36	2.27 V	345	45.69	7.95
3	*5230.00	112.46 PK			2.27 V	345	104.23	8.23
4	*5230.00	103.13 AV			2.27 V	345	94.90	8.23
5	5350.00	61.08 PK	74.00	-12.92	2.27 V	345	52.61	8.47
6	5350.00	46.90 AV	54.00	-7.10	2.27 V	345	38.43	8.47
7	10460.00	57.19 PK	74.00	-16.81	1.42 V	277	38.91	18.28
8	10460.00	45.80 AV	54.00	-8.20	1.42 V	277	27.52	18.28
9	15690.00	-	-	-	-	-	-	-
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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



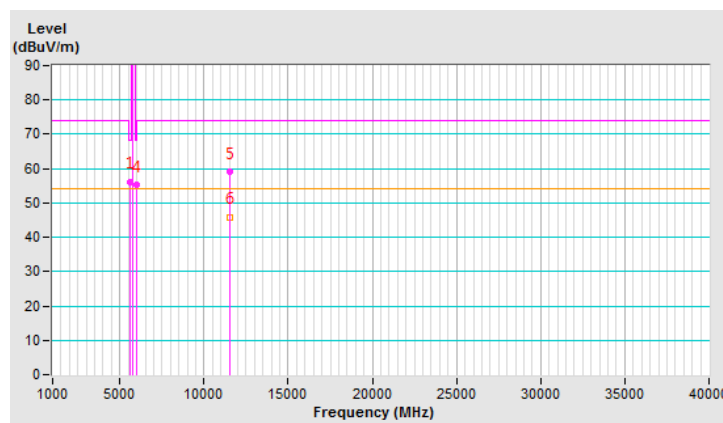
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 151 : 5755 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.6kHz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5587.52	56.24 PK	68.20	-11.96	1.29 H	126	46.58	9.66
2	*5755.00	103.70 PK			1.29 H	126	94.16	9.54
3	*5755.00	93.95 AV			1.29 H	126	84.41	9.54
4	5972.27	55.18 PK	68.20	-13.02	1.29 H	126	45.28	9.90
5	11510.00	59.04 PK	74.00	-14.96	1.55 H	230	39.04	20.00
6	11510.00	45.93 AV	54.00	-8.07	1.55 H	230	25.93	20.00
7	#17265.00	-	-	-	-	-	-	-
8	23020.00	-	-	-	-	-	-	-
9	#28775.00	-	-	-	-	-	-	-
10	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



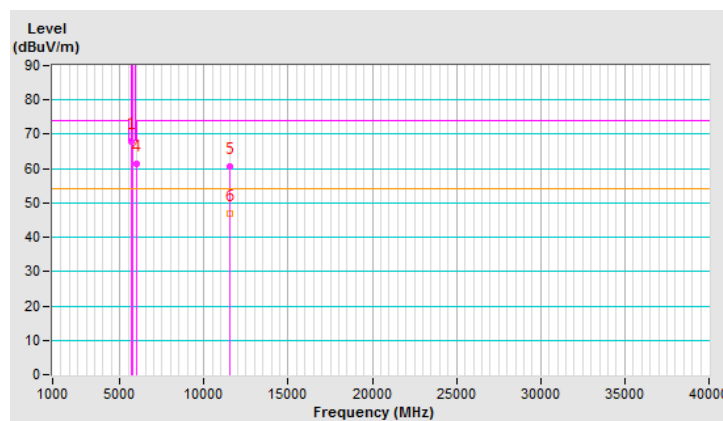
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 151 : 5755 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.6kHz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5649.75	67.86 PK	68.20	-0.34	2.27 V	349	58.16	9.70
2	*5755.00	112.08 PK			2.27 V	349	102.54	9.54
3	*5755.00	102.34 AV			2.27 V	349	92.80	9.54
4	6024.05	61.36 PK	68.20	-6.84	2.27 V	349	51.16	10.20
5	11510.00	60.66 PK	74.00	-13.34	1.40 V	228	40.66	20.00
6	11510.00	46.88 AV	54.00	-7.12	1.40 V	228	26.88	20.00
7	#17265.00	-	-	-	-	-	-	-
8	23020.00	-	-	-	-	-	-	-
9	#28775.00	-	-	-	-	-	-	-
10	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



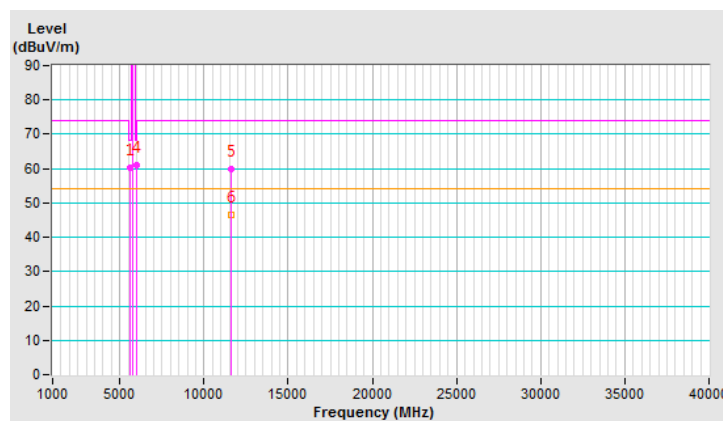
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 159 : 5795 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.6kHz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 26 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5613.18	60.33 PK	68.20	-7.87	1.18 H	129	50.62	9.71
2	*5795.00	106.94 PK			1.18 H	129	97.52	9.42
3	*5795.00	97.21 AV			1.18 H	129	87.79	9.42
4	5953.75	61.00 PK	68.20	-7.20	1.18 H	129	51.20	9.80
5	11590.00	59.89 PK	74.00	-14.11	1.52 H	227	39.47	20.42
6	11590.00	46.65 AV	54.00	-7.35	1.52 H	227	26.23	20.42
7	#17385.00	-	-	-	-	-	-	-
8	#23180.00	-	-	-	-	-	-	-
9	#28975.00	-	-	-	-	-	-	-
10	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



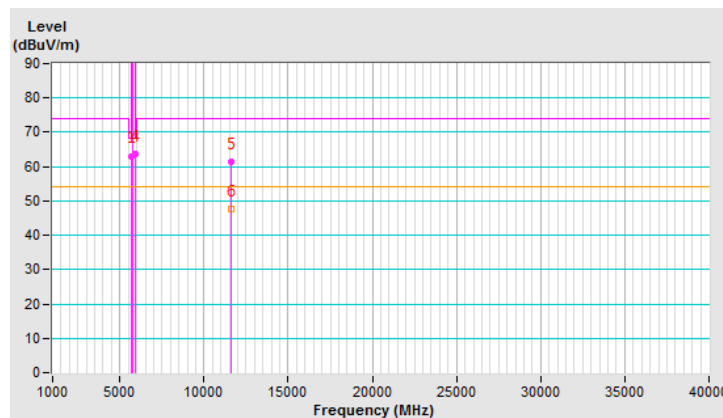
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 159：5795 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.6kHz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 26 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5644.05	63.09 PK	68.20	-5.11	2.22 V	345	53.39	9.70
2	*5795.00	113.11 PK			2.22 V	345	103.69	9.42
3	*5795.00	103.34 AV			2.22 V	345	93.92	9.42
4	5926.20	63.61 PK	68.20	-4.59	2.22 V	345	53.93	9.68
5	11590.00	61.35 PK	74.00	-12.65	1.75 V	304	40.93	20.42
6	11590.00	47.58 AV	54.00	-6.42	1.75 V	304	27.16	20.42
7	#17385.00	-	-	-	-	-	-	-
8	#23180.00	-	-	-	-	-	-	-
9	#28975.00	-	-	-	-	-	-	-
10	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



802.11ac (80MHz)

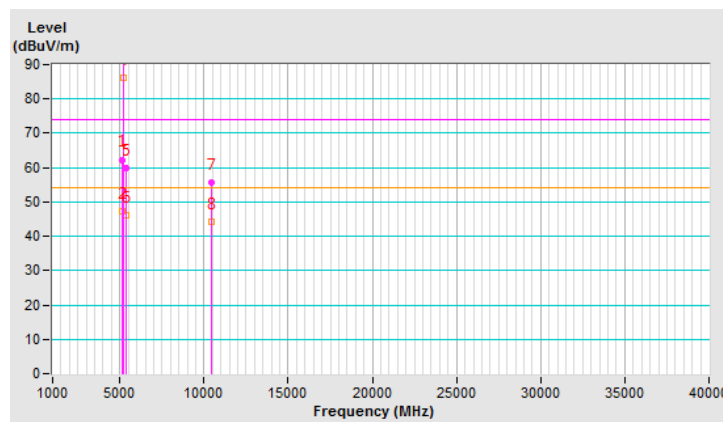
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 42 : 5210 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (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	62.33 PK	74.00	-11.67	1.22 H	134	54.38	7.95
2	5150.00	47.37 AV	54.00	-6.63	1.22 H	134	39.42	7.95
3	*5210.00	95.31 PK			1.22 H	134	87.12	8.19
4	*5210.00	86.28 AV			1.22 H	134	78.09	8.19
5	5350.00	59.76 PK	74.00	-14.24	1.22 H	134	51.29	8.47
6	5350.00	46.13 AV	54.00	-7.87	1.22 H	134	37.66	8.47
7	10420.00	55.57 PK	74.00	-18.43	1.60 H	62	37.46	18.11
8	10420.00	44.26 AV	54.00	-9.74	1.60 H	62	26.15	18.11
9	15630.00	-	-	-	-	-	-	-
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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



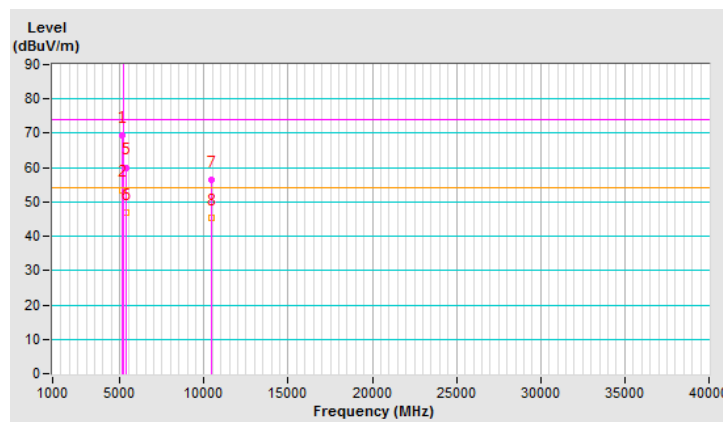
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 42：5210 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	21℃	量測場地濕度：	69%RH
測試日期：	106 年 1 月 25 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	69.22 PK	74.00	-4.78	2.26 V	348	61.27	7.95
2	5150.00	53.56 AV	54.00	-0.44	2.26 V	348	45.61	7.95
3	*5210.00	102.66 PK			2.26 V	348	94.47	8.19
4	*5210.00	92.95 AV			2.26 V	348	84.76	8.19
5	5350.00	60.04 PK	74.00	-13.96	2.26 V	348	51.57	8.47
6	5350.00	46.79 AV	54.00	-7.21	2.26 V	348	38.32	8.47
7	10420.00	56.51 PK	74.00	-17.49	1.31 V	265	38.40	18.11
8	10420.00	45.20 AV	54.00	-8.80	1.31 V	265	27.09	18.11
9	15630.00	-	-	-	-	-	-	-
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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



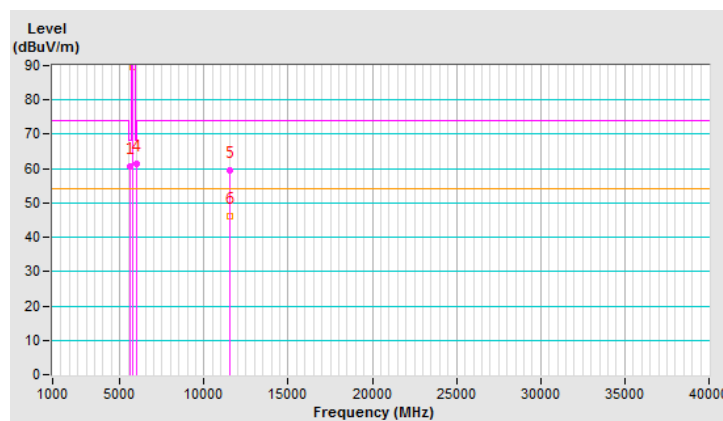
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 155 : 5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 26 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5609.85	60.75 PK	68.20	-7.45	1.23 H	133	51.05	9.70
2	*5775.00	99.54 PK			1.23 H	133	90.06	9.48
3	*5775.00	89.75 AV			1.23 H	133	80.27	9.48
4	6021.20	61.43 PK	68.20	-6.77	1.23 H	133	51.24	10.19
5	11550.00	59.42 PK	74.00	-14.58	1.51 H	229	39.22	20.20
6	11550.00	46.28 AV	54.00	-7.72	1.51 H	229	26.08	20.20
7	#17325.00	-	-	-	-	-	-	-
8	23100.00	-	-	-	-	-	-	-
9	#28875.00	-	-	-	-	-	-	-
10	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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.



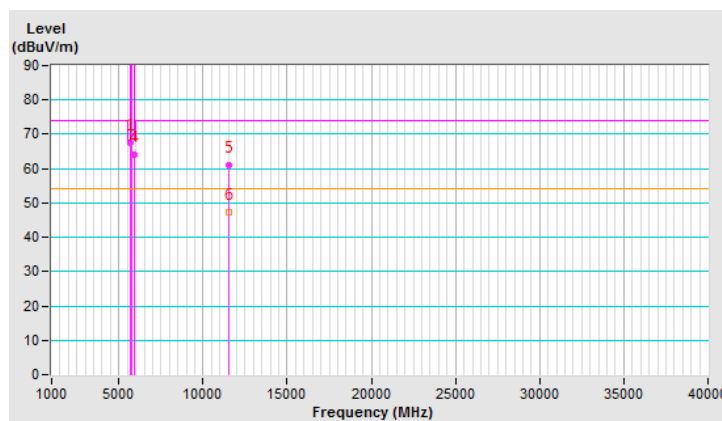
操作模式：	發射	調變技術：	OFDM-MIMO
基本波頻率：	CH 155 : 5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 26 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5649.75	67.61 PK	68.20	-0.59	2.31 V	350	57.91	9.70
2	*5775.00	107.84 PK			2.31 V	350	98.36	9.48
3	*5775.00	97.93 AV			2.31 V	350	88.45	9.48
4	5933.80	64.08 PK	68.20	-4.12	2.31 V	350	54.38	9.70
5	11550.00	61.02 PK	74.00	-12.98	1.79 V	311	40.82	20.20
6	11550.00	47.25 AV	54.00	-6.75	1.79 V	311	27.05	20.20
7	#17325.00	-	-	-	-	-	-	-
8	23100.00	-	-	-	-	-	-	-
9	#28875.00	-	-	-	-	-	-	-
10	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
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

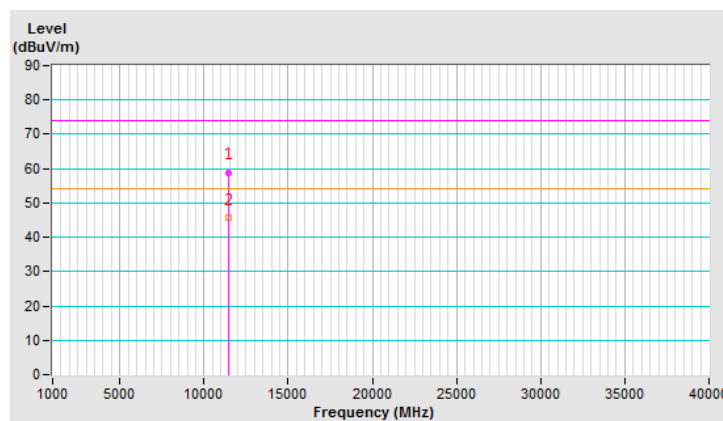
802.11a

操作模式：	接收		
基本波頻率：	CH 149 : 5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 26 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11490.00	58.91 PK	74.00	-15.09	2.27 H	327	38.94	19.97
2	11490.00	45.77 AV	54.00	-8.23	2.27 H	327	25.80	19.97

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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value



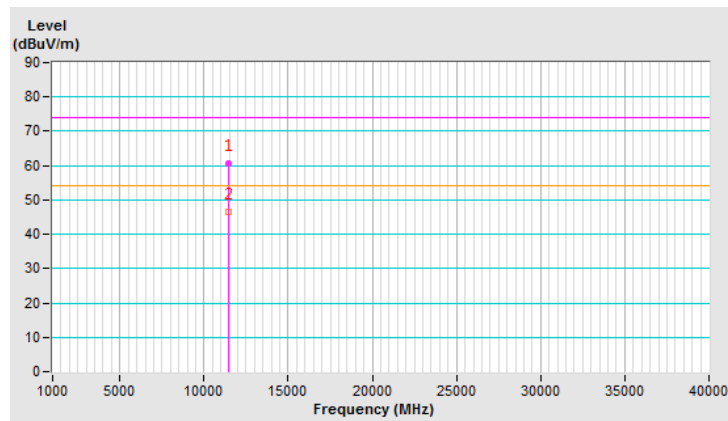
操作模式：	接收		
基本波頻率：	CH 149 : 5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	21°C	量測場地濕度：	69%RH
測試日期：	106 年 1 月 26 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11490.00	60.59 PK	74.00	-13.41	1.62 V	77	40.62	19.97
2	11490.00	46.51 AV	54.00	-7.49	1.62 V	77	26.54	19.97

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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value



9.6.3 其它不必要之訊號

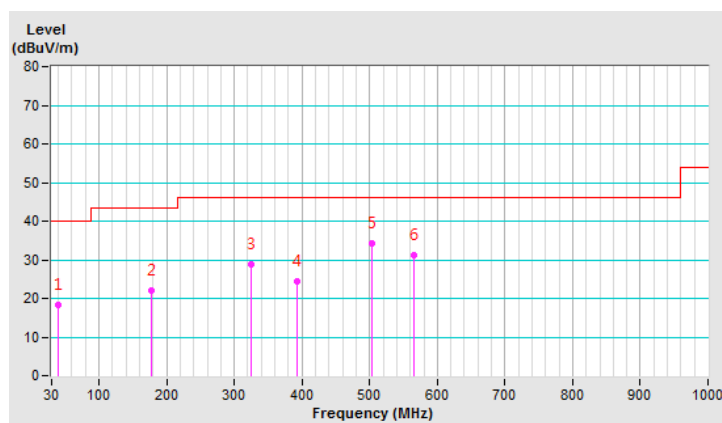
802.11a

操作模式：	發射接收	調變技術：	OFDM-MIMO
基本波頻率：	CH 149 : 5745 MHz	測試儀器：	(QP) RB=VB=120kHz
量測場地溫度：	33°C	量測場地濕度：	66%RH
測試日期：	106 年 7 月 12 日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	40.28	18.34 QP	40.00	-21.66	1.67 H	58	28.22	-9.88
2	177.78	22.17 QP	43.50	-21.33	2.26 H	156	32.39	-10.22
3	325.75	28.93 QP	46.00	-17.07	2.38 H	360	35.55	-6.62
4	392.15	24.57 QP	46.00	-21.43	2.28 H	290	30.08	-5.51
5	503.07	34.27 QP	46.00	-11.73	1.42 H	167	37.19	-2.92
6	564.76	31.35 QP	46.00	-14.65	1.87 H	360	33.12	-1.77

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. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz.



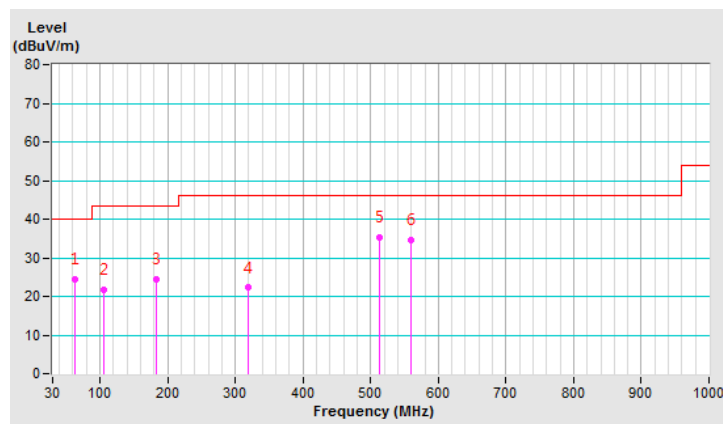
操作模式：	發射接收	調變技術：	OFDM-MIMO
基本波頻率：	CH 149：5745 MHz	測試儀器：	(QP) RB=VB=120kHz
量測場地溫度：	33°C	量測場地濕度：	66%RH
測試日期：	106年7月12日	測試者：	戴瑋倫

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	62.01	24.46 QP	40.00	-15.54	1.14 V	138	34.78	-10.32
2	105.61	21.66 QP	43.50	-21.84	1.39 V	207	34.80	-13.14
3	183.89	24.53 QP	43.50	-18.97	1.85 V	70	35.31	-10.78
4	319.30	22.25 QP	46.00	-23.75	2.29 V	132	29.00	-6.75
5	513.74	35.23 QP	46.00	-10.77	1.82 V	87	37.94	-2.71
6	560.20	34.53 QP	46.00	-11.47	2.34 V	143	36.41	-1.88

REMARKS:

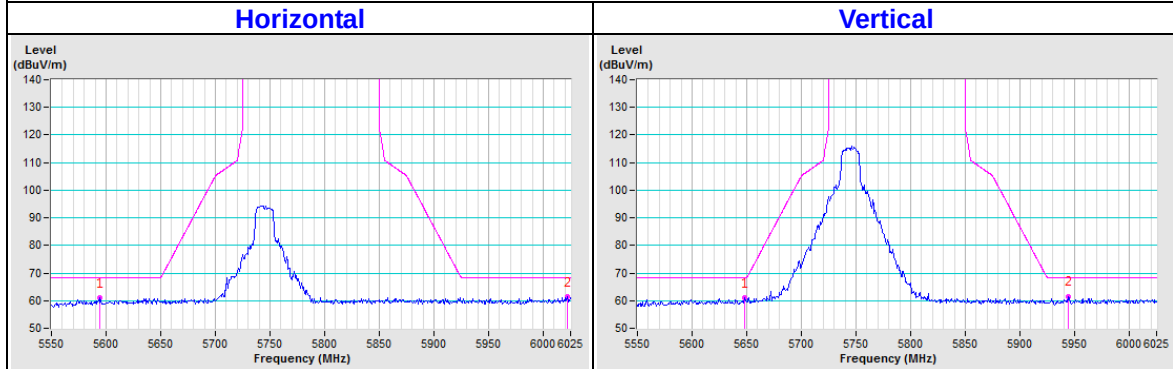
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz.



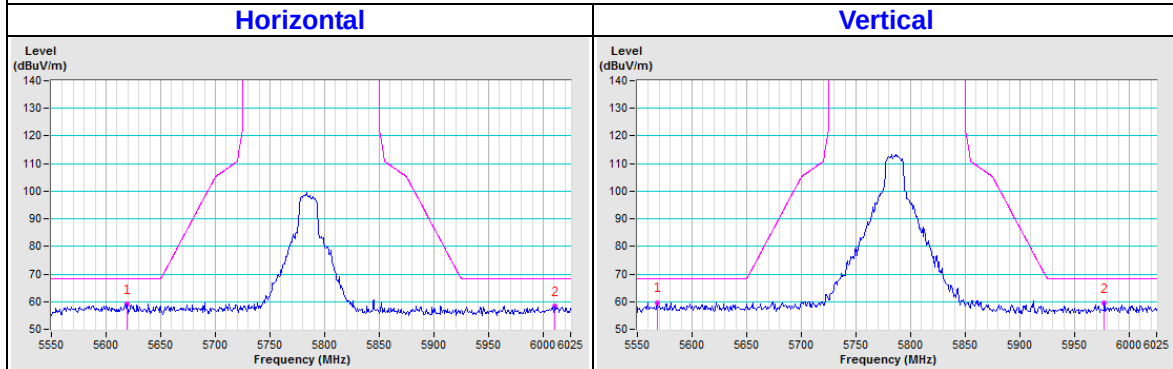
9.6.4 帶外發射之量測 (For 5.725 GHz~5.850 GHz band)

802.11a

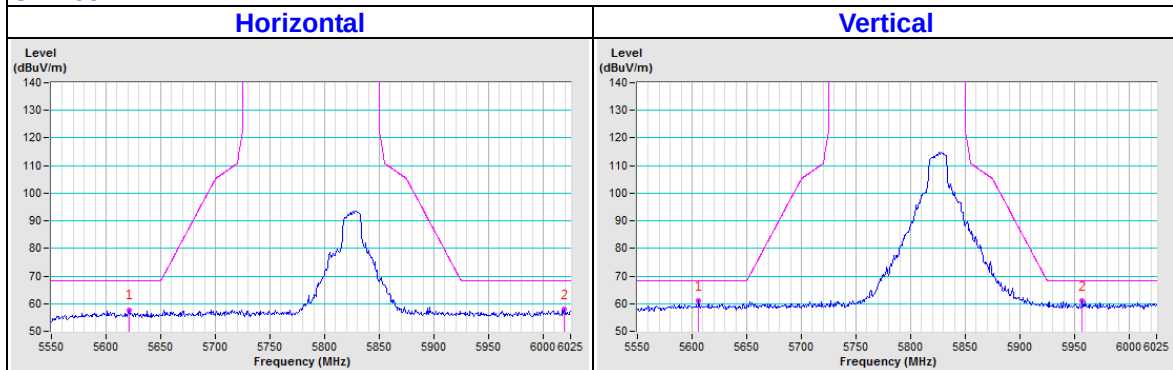
CH 149



CH 157



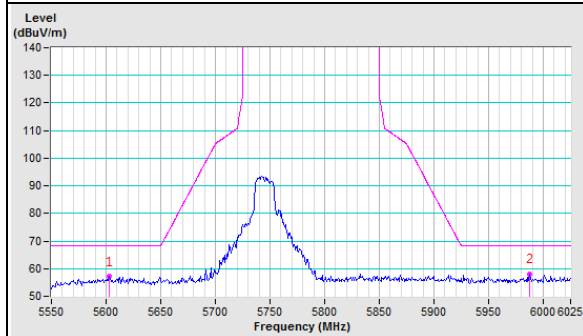
CH 165



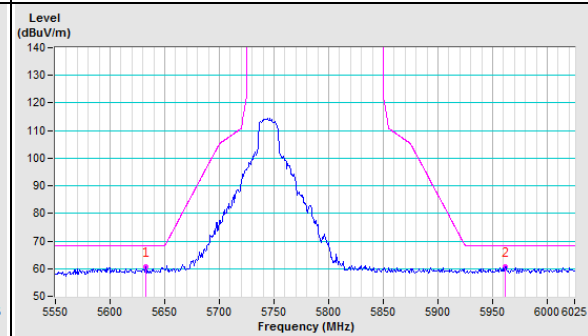
802.11n (20MHz)

CH 149

Horizontal

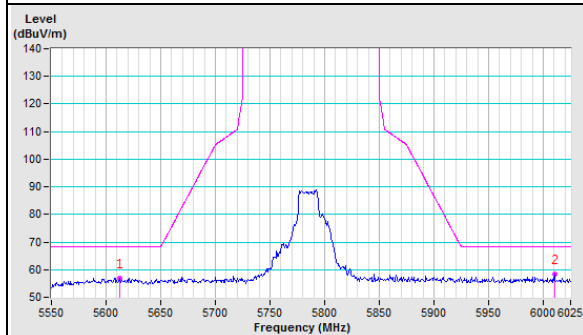


Vertical

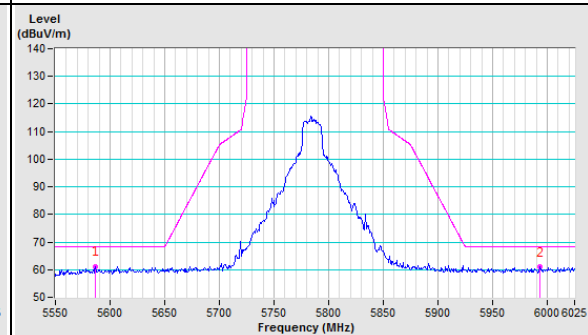


CH 157

Horizontal

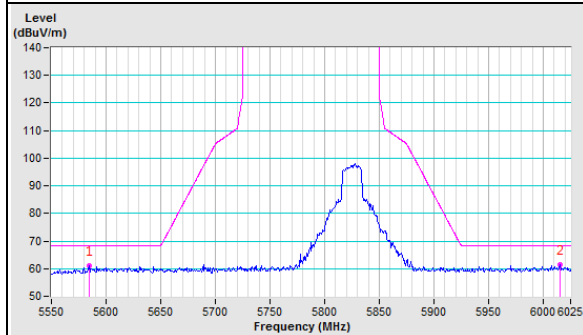


Vertical

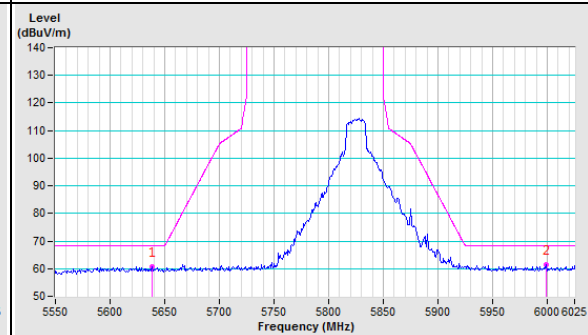


CH 165

Horizontal

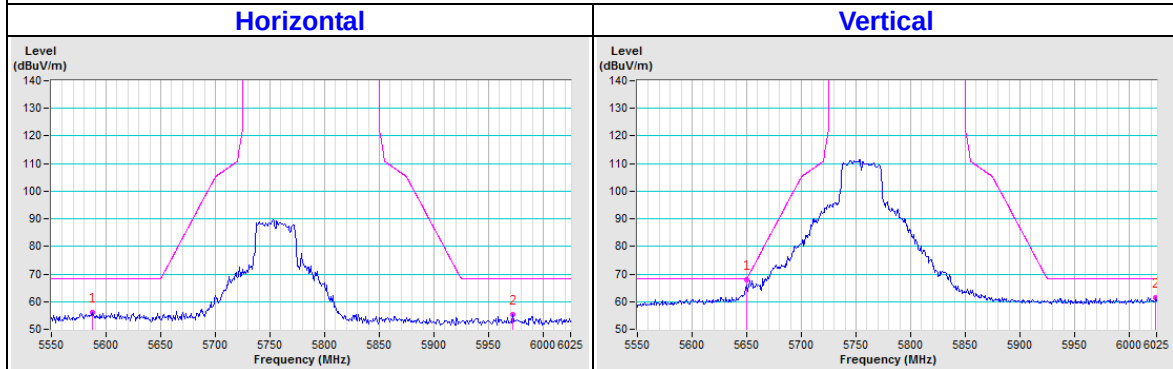


Vertical

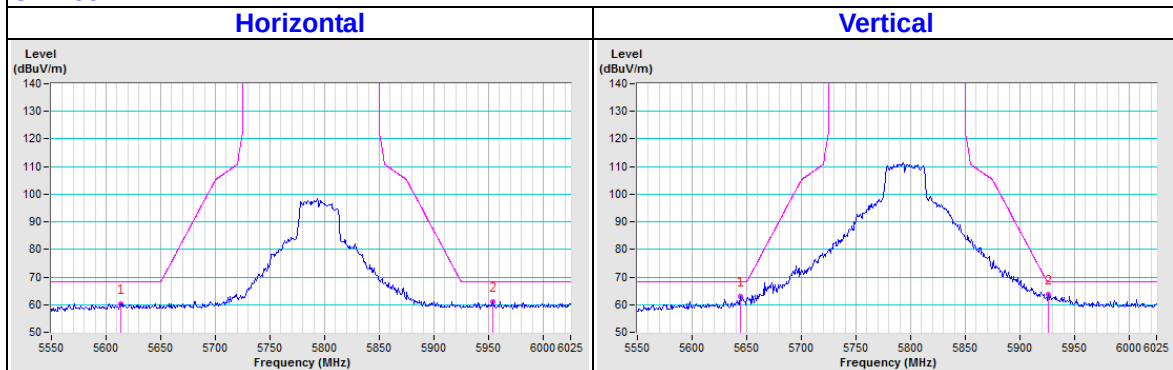


802.11n (40MHz)

CH 151

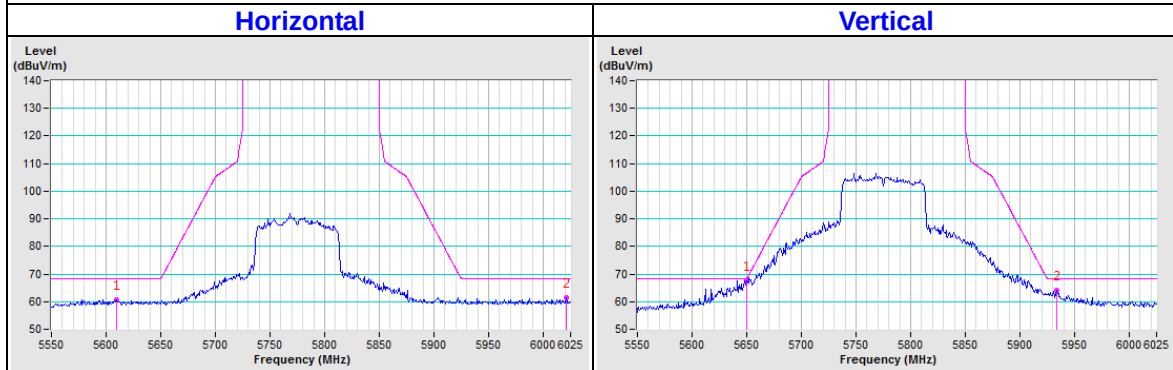


CH 159



802.11ac (80MHz)

CH 155



9.7 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

9.8 輻射量測之配置照片

同 4.8 節

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 $\text{Margin(dB)} = \text{結果值 Emission level (dBuV)} - \text{限制值 Limit value (dBuV)}$

電源傳導干擾電壓之計算公式如下

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

其中校正因子 $\text{Correction Factor (dB)}$ 為：

饋線損失+電源阻抗模擬網路損失

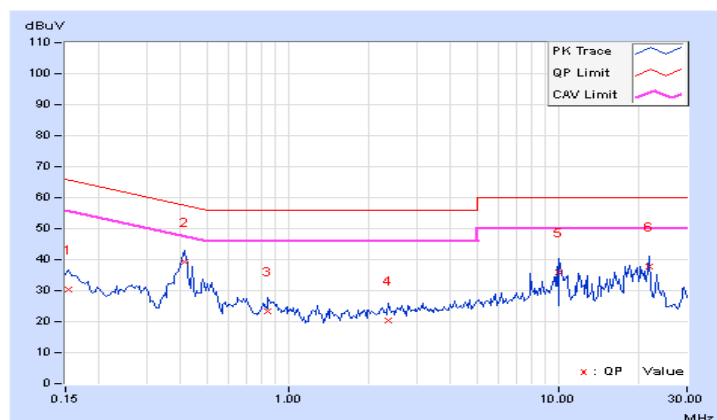
10.6 量測結果

操作模式	發射		
基本波頻率	CH 149: 5745MHz	測試日期	106 年 7 月 12 日
量測場地溫度	26°C	量測場地濕度	66%RH
測試者	張君煌		

		6 dB Bandwidth: 9kHz				PHASE: LINE (L)			
輻射頻率	校正因子	儀器讀值		結果值		限制值		餘裕度	
[MHz]	[dB]	[dB (uV)]		[dB (uV)]		[dB (uV)]		[dB]	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.15391	9.65	20.60	10.45	30.25	20.10	65.79	55.79	-35.54	-35.69
0.41172	9.69	29.68	22.31	39.37	32.00	57.61	47.61	-18.24	-15.61
0.84531	9.76	13.72	10.33	23.48	20.09	56.00	46.00	-32.52	-25.91
2.36328	9.92	10.53	3.34	20.45	13.26	56.00	46.00	-35.55	-32.74
10.05859	10.18	25.80	16.20	35.98	26.38	60.00	50.00	-24.02	-23.62
21.66406	10.41	27.19	18.06	37.60	28.47	60.00	50.00	-22.40	-21.53

NOTE:

- 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.

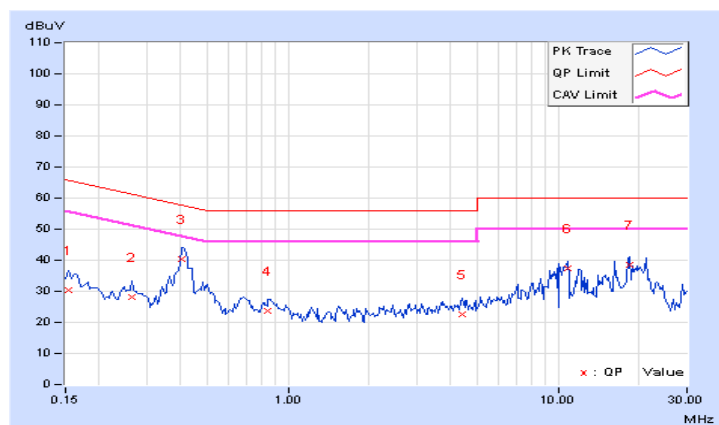


操作模式	發射		
基本波頻率	CH 149: 5745MHz	測試日期	106 年 7 月 12 日
量測場地溫度	26°C	量測場地濕度	66%RH
測試者	張君煌		

輻射頻率 [MHz]	校正因子 [dB]	6 dB Bandwidth: 9kHz				PHASE: NEUTRAL (N)			
		儀器讀值		結果值		限制值		餘裕度	
		[dB (uV)]		[dB (uV)]		[dB (uV)]		[dB]	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.15391	9.69	20.54	10.93	30.23	20.62	65.79	55.79	-35.56	-35.17
0.26328	9.70	18.63	12.57	28.33	22.27	61.33	51.33	-33.00	-29.06
0.40391	9.73	30.51	25.61	40.24	35.34	57.77	47.77	-17.53	-12.43
0.84531	9.78	13.91	10.49	23.69	20.27	56.00	46.00	-32.31	-25.73
4.42578	10.17	12.25	4.98	22.42	15.15	56.00	46.00	-33.58	-30.85
10.80078	10.27	27.03	18.81	37.30	29.08	60.00	50.00	-22.70	-20.92
18.48828	10.40	28.22	18.14	38.62	28.54	60.00	50.00	-21.38	-21.46

NOTE:

- 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.Corrected 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，符合低功率射頻電機技術規範之要求。

10.8 配置照片

同 5.8 節

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

發射頻寬之測試配置：同 6.4 節

11.5 峰值傳導輸出功率之量測結果

操作模式	發射	測試日期	106 年 02 月 17 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	李澤洋		

802.11a

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0	Chain 1				
36	5180	19.86	20.34	204.971	23.12	30.00	Pass
40	5200	20.93	21.41	262.237	24.19	30.00	Pass
48	5240	20.45	21.08	239.15	23.79	30.00	Pass
149	5745	21.63	21.28	279.822	24.47	30.00	Pass
157	5785	21.64	21.31	281.088	24.49	30.00	Pass
165	5825	21.63	21.35	282.004	24.50	30.00	Pass

802.11n (20MHz)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0	Chain 1				
36	5180	19.90	20.52	210.444	23.23	30.00	Pass
40	5200	21.79	21.87	304.823	24.84	30.00	Pass
48	5240	21.64	21.73	294.817	24.70	30.00	Pass
149	5745	21.62	21.42	283.887	24.53	30.00	Pass
157	5785	21.65	21.51	287.797	24.59	30.00	Pass
165	5825	21.70	21.42	286.587	24.57	30.00	Pass

802.11n (40MHz)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0	Chain 1				
38	5190	14.19	14.36	53.532	17.29	30.00	Pass
46	5230	20.11	20.85	224.184	23.51	30.00	Pass
151	5755	19.35	19.19	169.084	22.28	30.00	Pass
159	5795	21.66	21.29	281.141	24.49	30.00	Pass

802.11ac (80MHz)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0	Chain 1				
42	5210	12.26	12.38	34.125	15.33	30.00	Pass
155	5775	17.91	17.77	121.643	20.85	30.00	Pass

26dB BANDWIDTH:

802.11a

Channel	Channel Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	31.27	31.15
40	5200	35.95	37.62
48	5240	34.31	34.35

802.11n (20MHz)

Channel	Channel Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	38.52	37.08
40	5200	39.16	39.18
48	5240	40.07	39.10

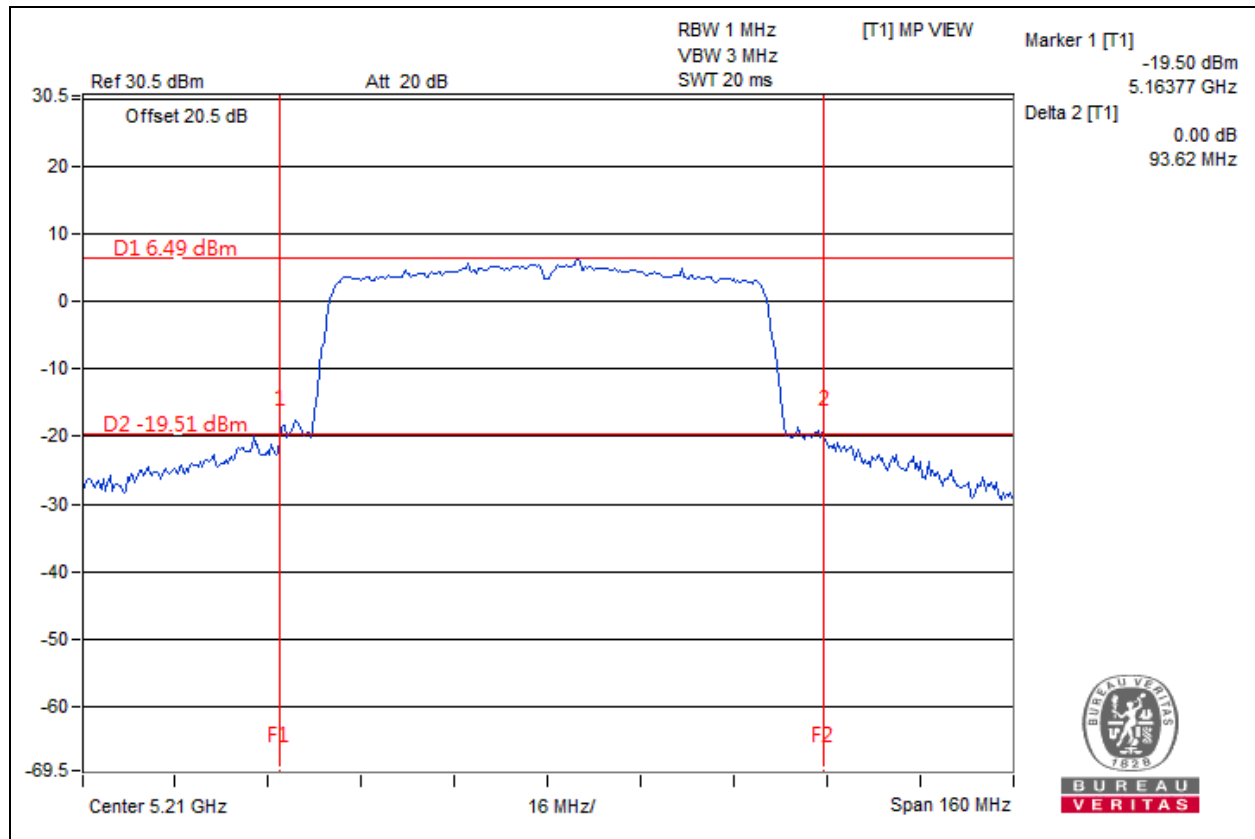
802.11n (40MHz)

Channel	Channel Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	40.93	40.67
46	5230	78.06	80.36

802.11ac (80MHz)

Channel	Channel Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	93.62	93.62

**此測試圖僅放測試結果最差的頻道。



Occupied BANDWIDTH:

802.11a

Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	17.40	17.40
40	5200	19.68	19.92
48	5240	18.00	17.88
149	5745	24.78	24.90
157	5785	34.00	33.90
165	5825	32.60	32.20

802.11n (20MHz)

Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.12	18.12
40	5200	19.44	19.08
48	5240	19.80	19.92
149	5745	36.26	36.60
157	5785	37.65	37.30
165	5825	37.60	37.60

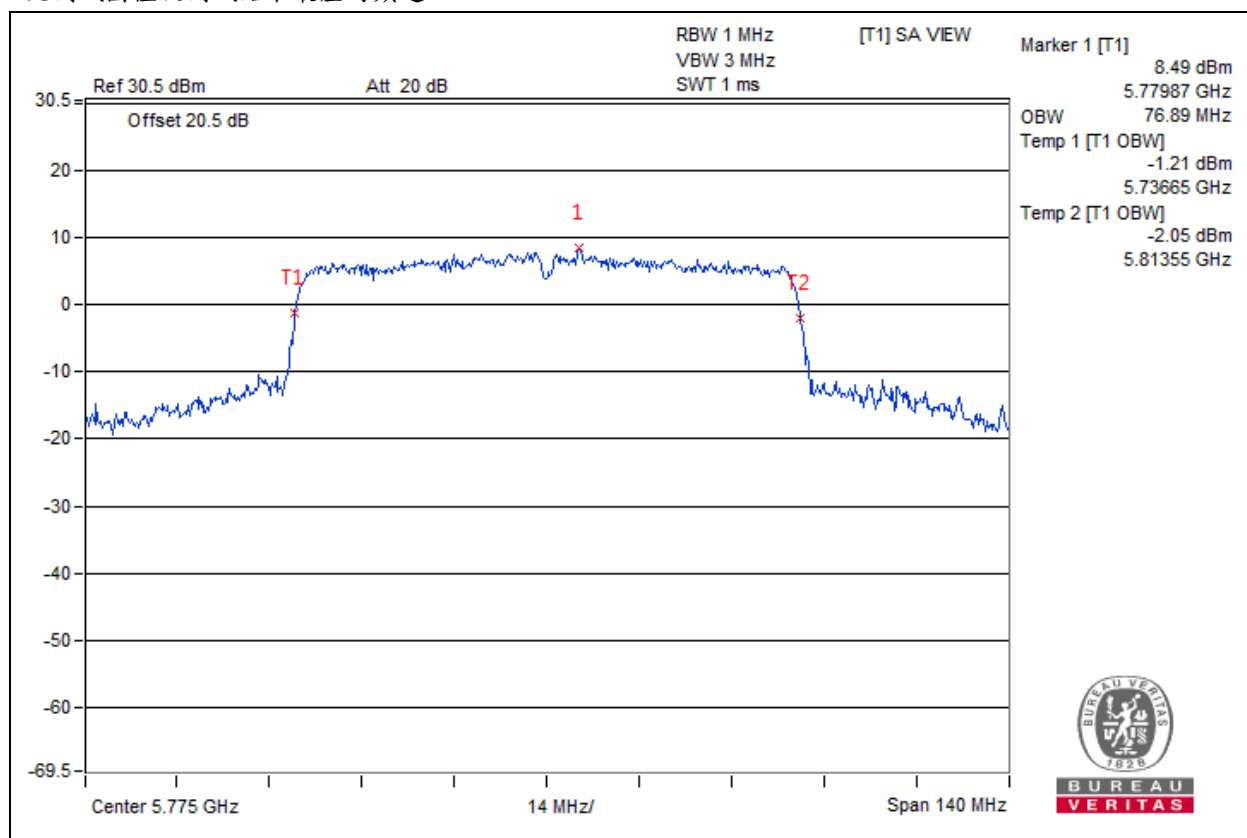
802.11n (40MHz)

Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	36.20	36.20
46	5230	38.00	38.40
151	5755	67.97	67.66
159	5795	66.83	67.16

802.11ac (80MHz)

Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	75.36	75.12
155	5775	76.89	76.72

**此測試圖僅放測試結果最差的頻道。



11.6 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

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

For U-NII-1, U-NII-3 band:

	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 band:

Using method SA-2:

- 1) Measure the duty cycle
- 2) Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 3) Set RBW = 1 MHz, Set VBW $\geq$ 3 MHz, Detector = power averaging (rms)
- 4) Number of points in sweep $\geq$ 2 x span/RBW.
- 5) Sweep time = auto, trigger set to "free run".
- 6) Trace average at least 100 traces in power averaging (rms) mode.
- 7) Add 10 log (1/duty cycle) to the measured max value then record it.

For U-NII-3 band:

The following adjustments to above procedures apply:

- 1) When RBW=500 kHz is used:
Set RBW = 500 kHz, Set VBW $\geq$ 3 RBW.
- 2) When reduced resolution bandwidth (< 500 kHz) is used:
 - a) Set RBW $\geq$ 1/T, where T refers to the minimum transmission duration over which the transmitter is on.
 - b) Set VBW $\geq$ 3 RBW
 - c) Add 10 log (500 kHz/RBW) to the measured result, whereas RBW (<500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.

12.3 量測功率頻譜密度之儀器
同 9.3 節。

12.4 功率頻譜密度之測試配置
同 9.4 節

12.5 功率頻譜密度之量測結果

操作模式	發射	測試日期	106 年 02 月 17 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	李澤洋		

For U-NII-1 band 802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm)		Total PSD W/O Duty Factor (dBm)	Duty Factor	Total PSD WITH Duty Factor (dBm)	MAX. Limit (dBm)	Pass / Fail
		Chain 0	Chain 1					
36	5180	5.04	5.25	8.16	0.38	8.54	16.96	Pass
40	5200	6.18	6.26	9.23	0.38	9.61	16.96	Pass
48	5240	5.48	5.69	8.60	0.38	8.98	16.96	Pass

NOTE:

- Directional gain = 6.04dBi > 6dBi, so the power spectral density limit shall be reduced to $17 - (6.04 - 6) = 16.96\text{dBm}$.
- Refer to section 2 for duty cycle spectrum plot.

802.11n (20MHz)

Chan.	Chan. Freq. (MHz)	PSD (dBm)		Total PSD W/O Duty Factor (dBm)	Duty Factor	Total PSD WITH Duty Factor (dBm)	MAX. Limit (dBm)	Pass / Fail
		Chain 0	Chain 1					
36	5180	4.36	4.27	7.33	0.53	7.86	16.96	Pass
40	5200	5.14	5.33	8.25	0.53	8.78	16.96	Pass
48	5240	5.23	5.41	8.33	0.53	8.86	16.96	Pass

NOTE:

- Directional gain = 6.04dBi > 6dBi, so the power spectral density limit shall be reduced to $17 - (6.04 - 6) = 16.96\text{dBm}$.
- Refer to section 2 for duty cycle spectrum plot.

802.11n (40MHz)

Chan.	Chan. Freq. (MHz)	PSD (dBm)		Total PSD W/O Duty Factor (dBm)	Duty Factor	Total PSD WITH Duty Factor (dBm)	MAX. Limit (dBm)	Pass / Fail
		Chain 0	Chain 1					
38	5190	-3.26	-3.41	-0.32	1.05	0.73	16.96	Pass
46	5230	1.92	1.79	4.87	1.05	5.92	16.96	Pass

NOTE:

- Directional gain = 6.04dBi > 6dBi, so the power spectral density limit shall be reduced to $17 - (6.04 - 6) = 16.96\text{dBm}$.
- Refer to section 2 for duty cycle spectrum plot.

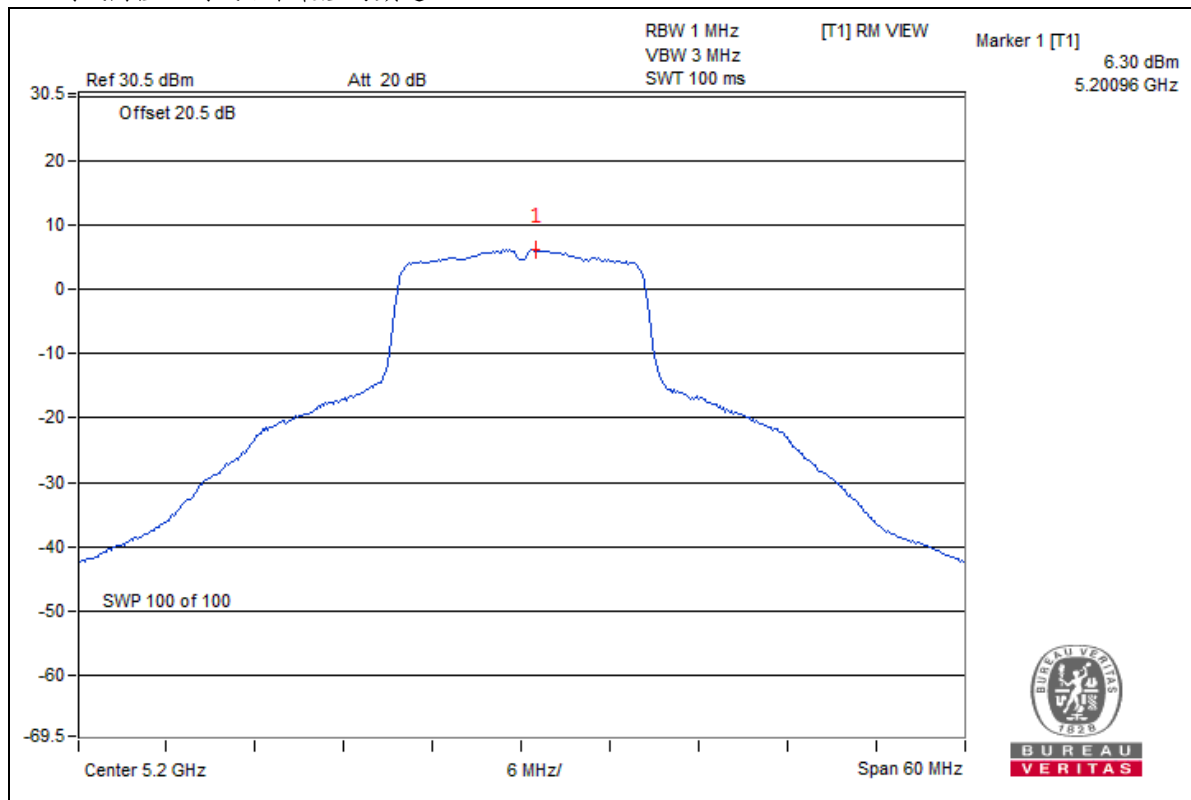
802.11ac (80MHz)

Chan.	Chan. Freq. (MHz)	PSD (dBm)		Total PSD W/O Duty Factor (dBm)	Duty Factor	Total PSD With Duty Factor (dBm)	MAX. Limit (dBm)	Pass / Fail
		Chain 0	Chain 1					
42	5210	-4.06	-4.04	-1.05	2.54	1.49	16.96	Pass

NOTE:

1. Directional gain = 6.04dBi > 6dBi, so the power spectral density limit shall be reduced to $17 - (6.04 - 6) = 16.96\text{dBm}$.
2. Refer to section 2 for duty cycle spectrum plot.

**此測試圖僅放測試結果最差的頻道。



操作模式	發射	測試日期	106 年 02 月 17 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	李澤洋		

For U-NII-3 band 802.11a

TX chain	Channel	Freq. (MHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Duty Factor	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
0	149	5745	13.14	3.01	0.38	16.53	29.63	Pass
	157	5785	13.71	3.01	0.38	17.10	29.63	Pass
	165	5825	14.91	3.01	0.38	18.30	29.63	Pass
1	149	5745	13.19	3.01	0.38	16.58	29.63	Pass
	157	5785	13.67	3.01	0.38	17.06	29.63	Pass
	165	5825	14.58	3.01	0.38	17.97	29.63	Pass

NOTE:

- Directional gain = 6.37dBi > 6dBi, so the power spectral density limit shall be reduced to $30 - (6.37 - 6) = 29.63\text{dBm}$.
- Refer to section 2 for duty cycle spectrum plot.

802.11n (20MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Duty Factor	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
0	149	5745	15.15	3.01	0.53	18.69	29.63	Pass
	157	5785	13.41	3.01	0.53	16.95	29.63	Pass
	165	5825	15.12	3.01	0.53	18.66	29.63	Pass
1	149	5745	14.77	3.01	0.53	18.31	29.63	Pass
	157	5785	13.32	3.01	0.53	16.86	29.63	Pass
	165	5825	15.71	3.01	0.53	19.25	29.63	Pass

NOTE:

- Directional gain = 6.37dBi > 6dBi, so the power spectral density limit shall be reduced to $30 - (6.37 - 6) = 29.63\text{dBm}$.
- Refer to section 2 for duty cycle spectrum plot.

802.11n (40MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Duty Factor	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
0	151	5755	10.42	3.01	1.05	14.48	29.63	Pass
	159	5795	10.51	3.01	1.05	14.57	29.63	Pass
1	151	5755	10.40	3.01	1.05	14.46	29.63	Pass
	159	5795	10.42	3.01	1.05	14.48	29.63	Pass

NOTE:

- Directional gain = 6.37dBi > 6dBi, so the power spectral density limit shall be reduced to $30 - (6.37 - 6) = 29.63$ dBm.
- Refer to section 2 for duty cycle spectrum plot.

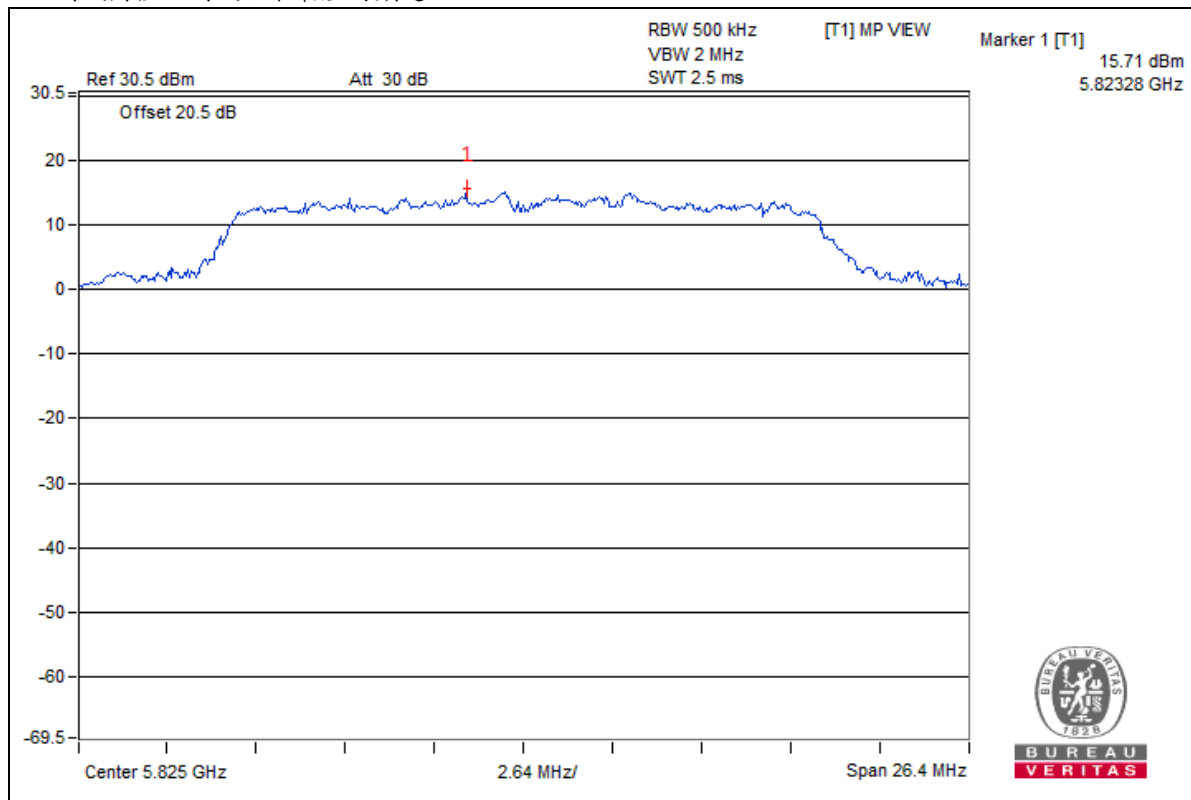
802.11ac (80MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Duty Factor	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
0	155	5775	4.36	3.01	2.54	9.91	29.63	Pass
1	155	5775	4.63	3.01	2.54	10.18	29.63	Pass

NOTE:

- Directional gain = 6.37dBi > 6dBi, so the power spectral density limit shall be reduced to $30 - (6.37 - 6) = 29.63$ dBm.
- Refer to section 2 for duty cycle spectrum plot.

**此測試圖僅放測試結果最差的頻道。



12.6 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

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 6 項(II)的規定

13.2 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 9.3 節。

13.4 測試配置

同 9.4 節。

13.5 量測結果

操作模式	發射	測試日期	106 年 02 月 17 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	李澤洋		

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
149	5745	16.32	16.04	0.5	Pass
157	5785	16.42	16.43	0.5	Pass
165	5825	16.37	16.35	0.5	Pass

802.11n (20MHz)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
149	5745	17.60	17.62	0.5	Pass
157	5785	17.72	17.75	0.5	Pass
165	5825	17.63	17.60	0.5	Pass

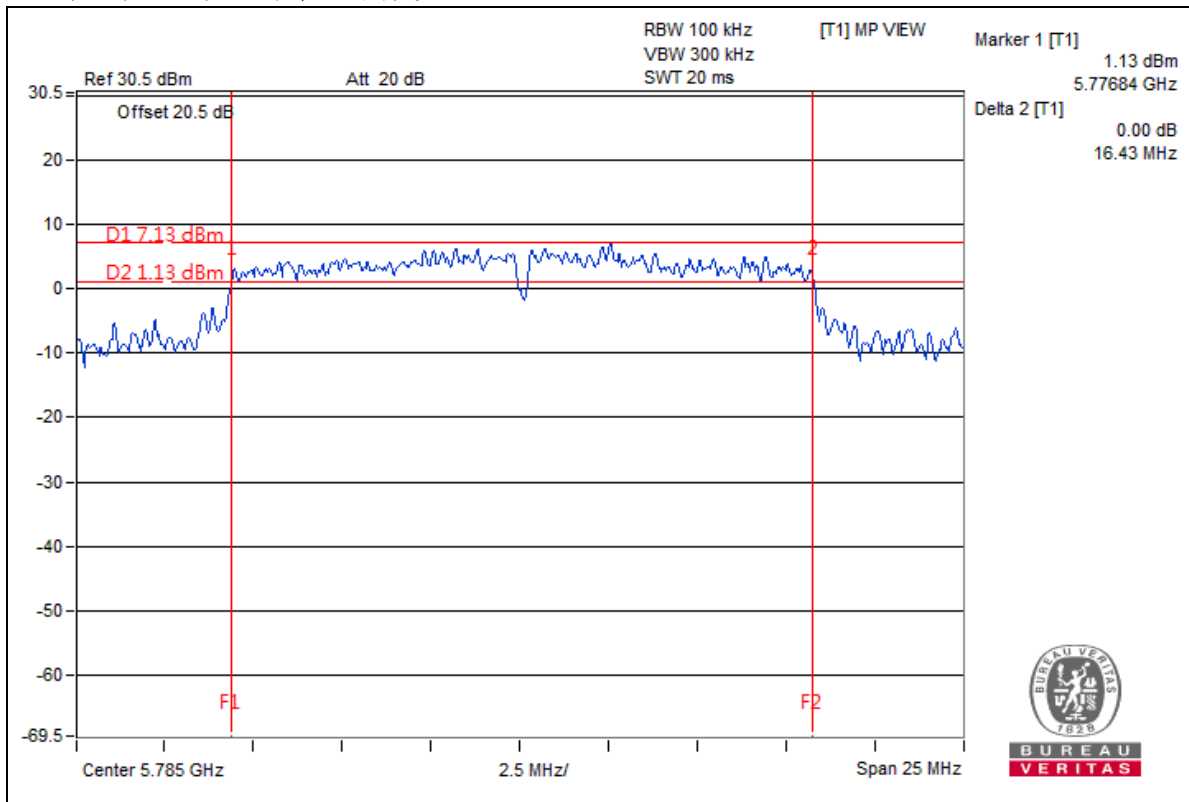
802.11n (40MHz)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
151	5755	36.42	36.47	0.5	Pass
159	5795	36.48	36.48	0.5	Pass

802.11ac (80MHz)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
155	5775	76.07	76.38	0.5	Pass

**此測試圖僅放測試結果最差的頻道。



13.6 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

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

電波暴露量之評估
☐ 待測物並非是 WLAN AP/Router 產品，不需進行電波暴露量之評估
☒ 待測物為 WLAN AP/Router 產品，需進行電波暴露量之評估

Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)	Pass/Fail
2412-2462	26.18	4.52	20	0.2337	1	Pass
5180-5240	24.84	6.04	20	0.2436	1	Pass
5745-5825	24.59	6.37	20	0.2482	1	Pass

Note:

2.4GHz: Directional gain = 4.52dBi

5180-5240MHz: Directional gain = 6.04dBi

5745-5825MHz: Directional gain = 6.37dBi

CONCLUSION:

Both of the WLAN 2.4G & WLAN 5G can transmit simultaneously, 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 = 0.2337 + 0.2482 = 0.4819

Therefore, the maximum calculation of this situation is **0.4819**, which is less than the "1" limit.

15 待測物照片

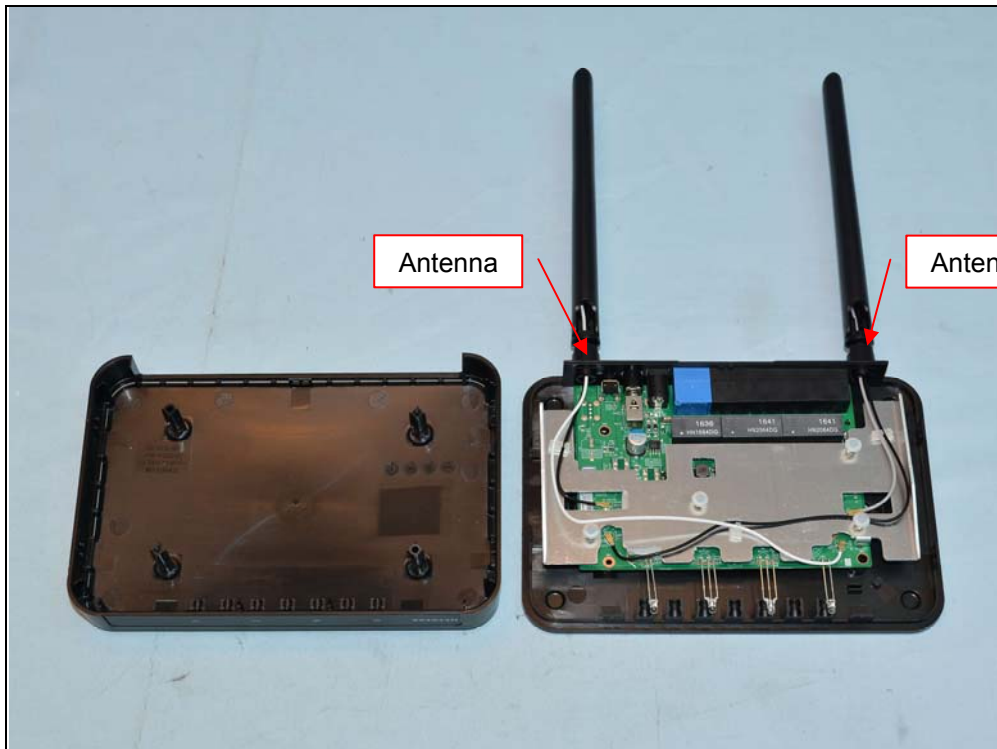
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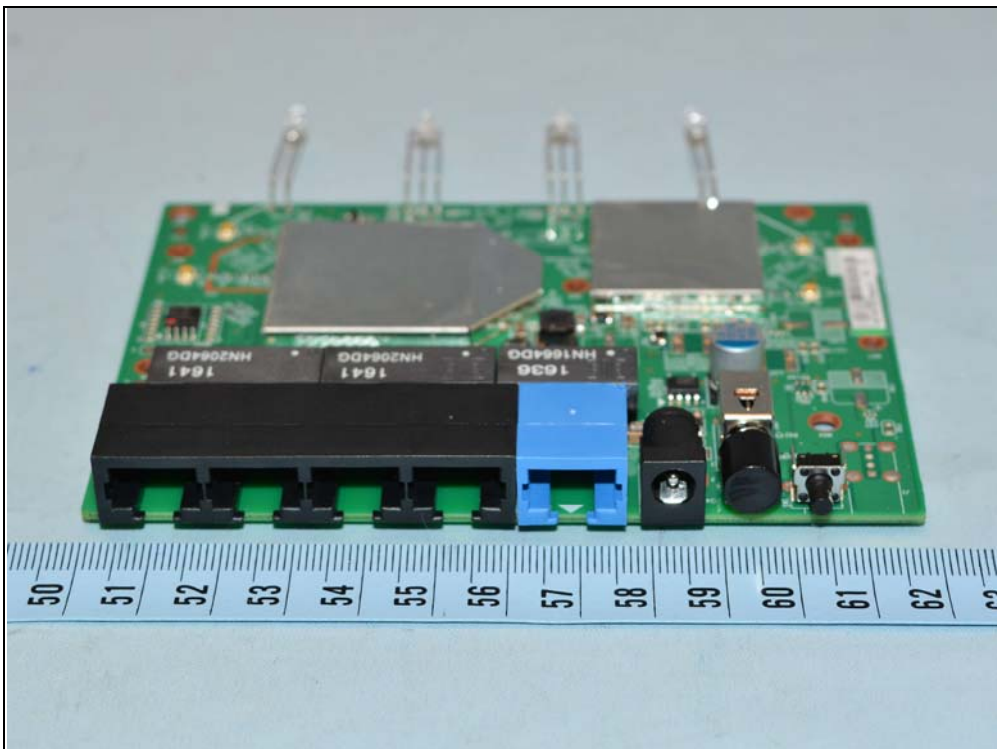
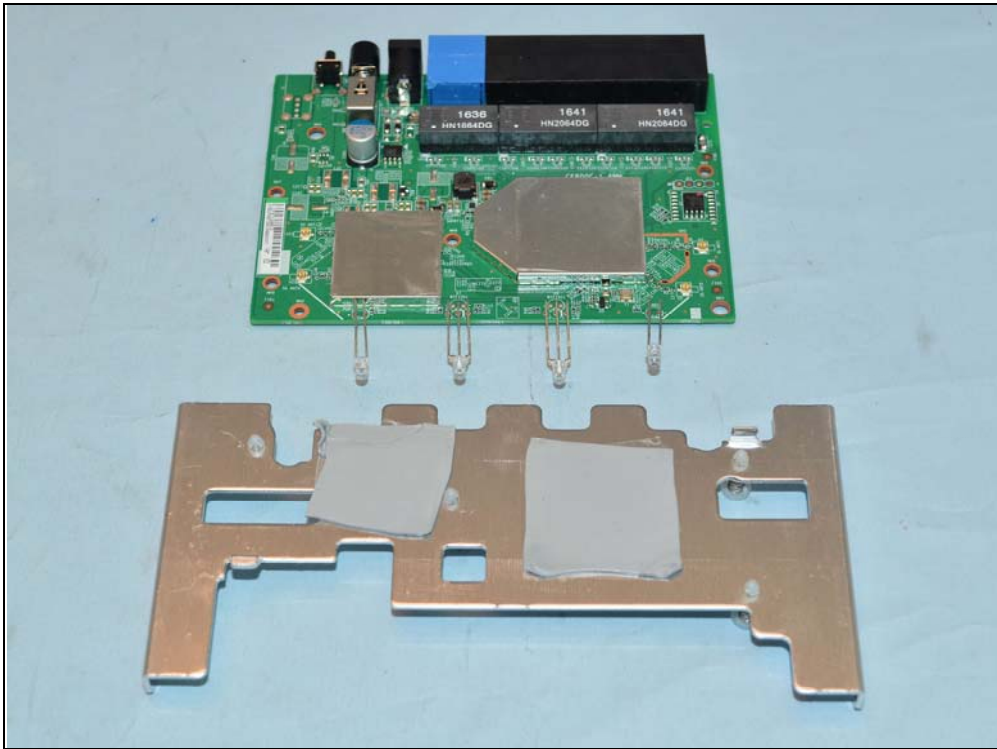


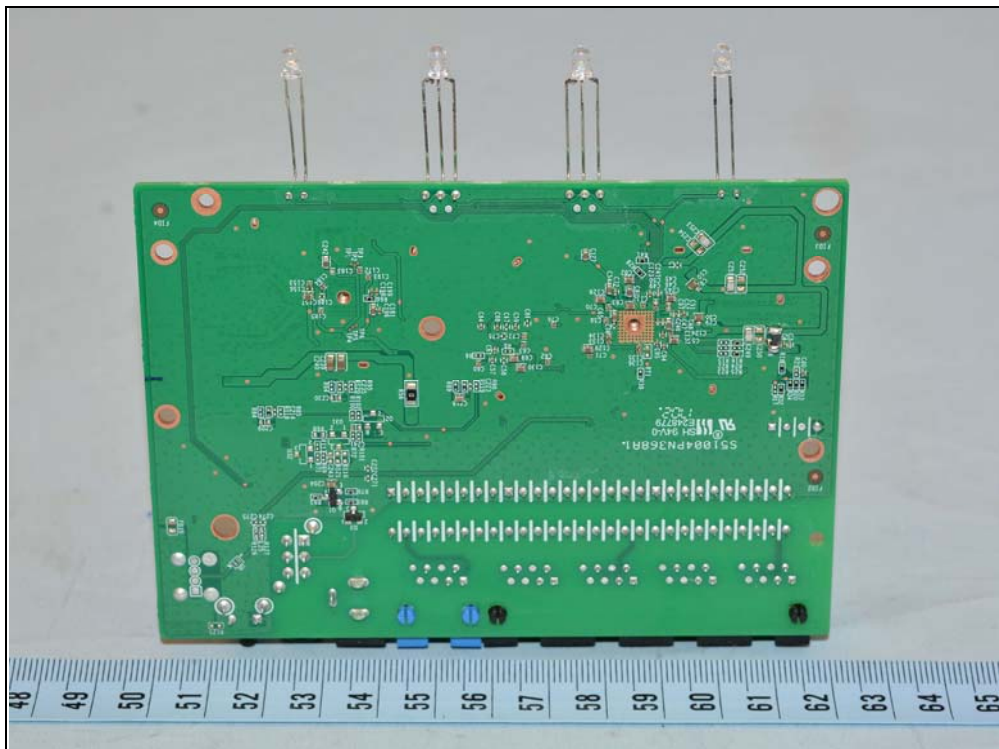
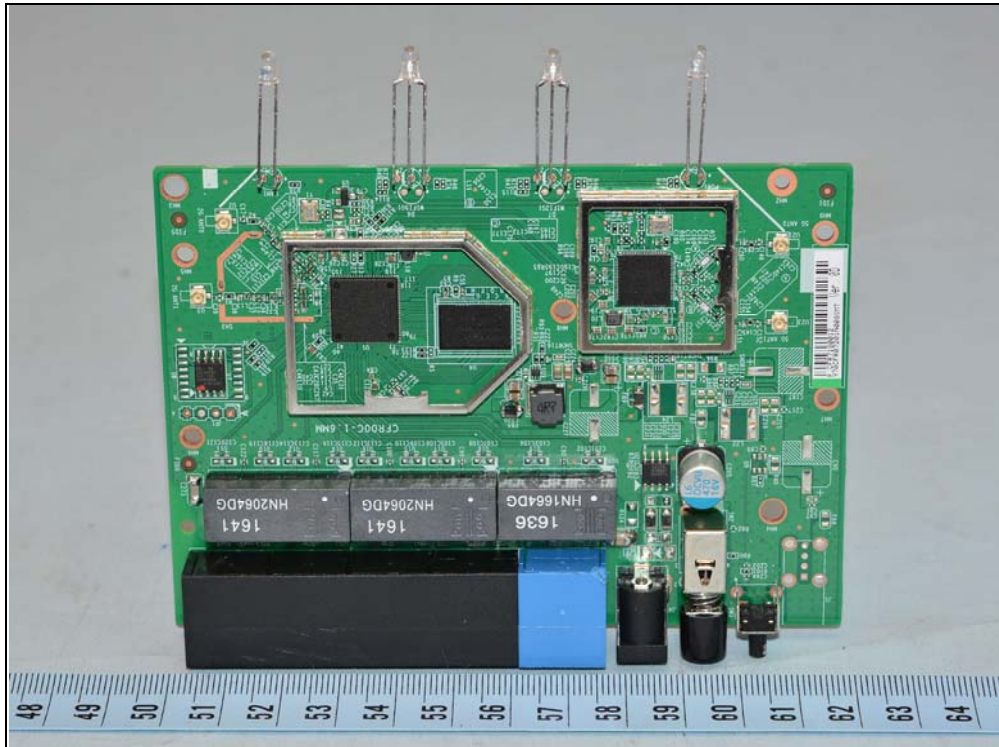


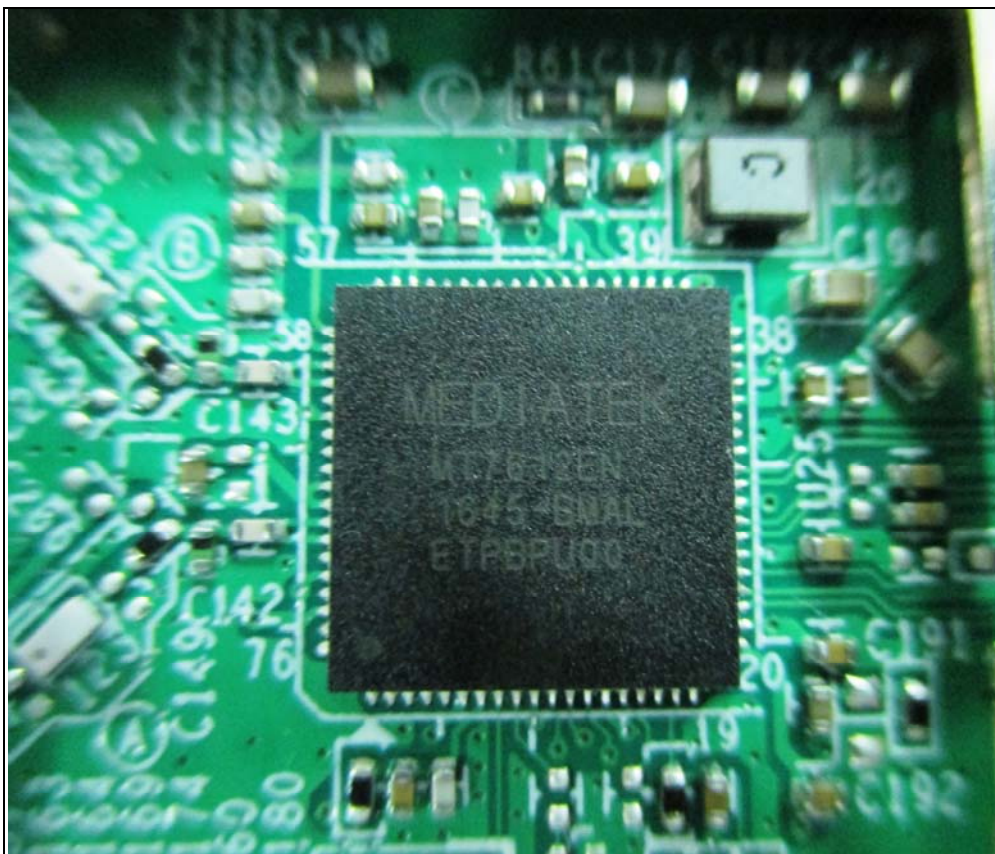
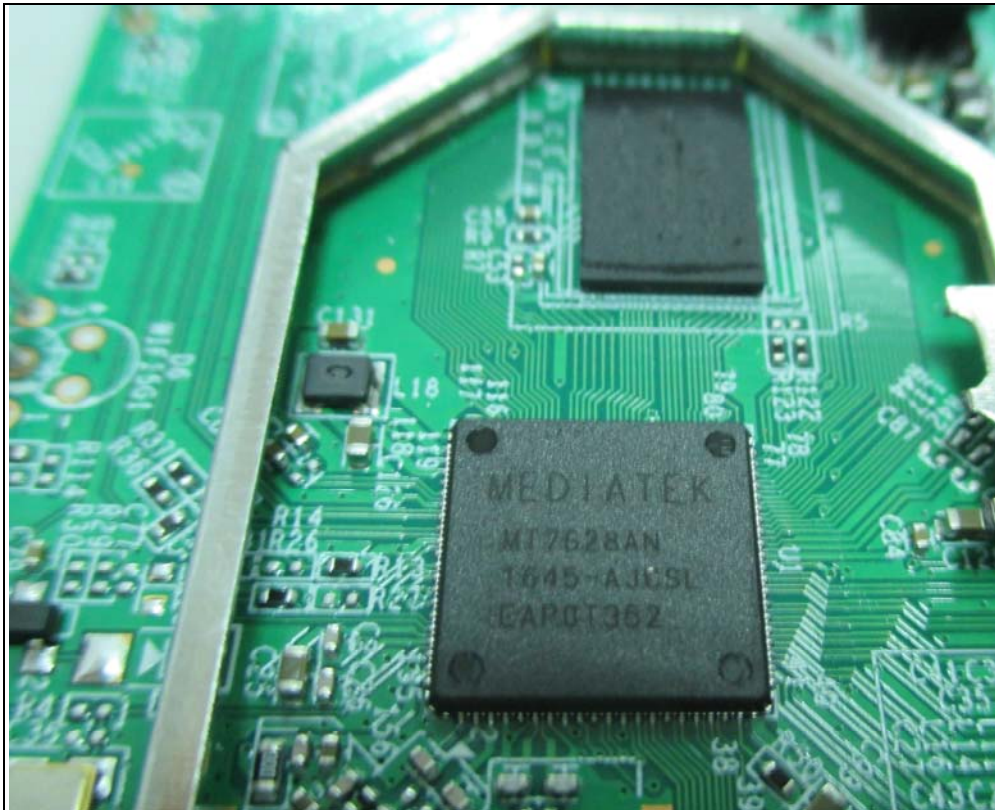


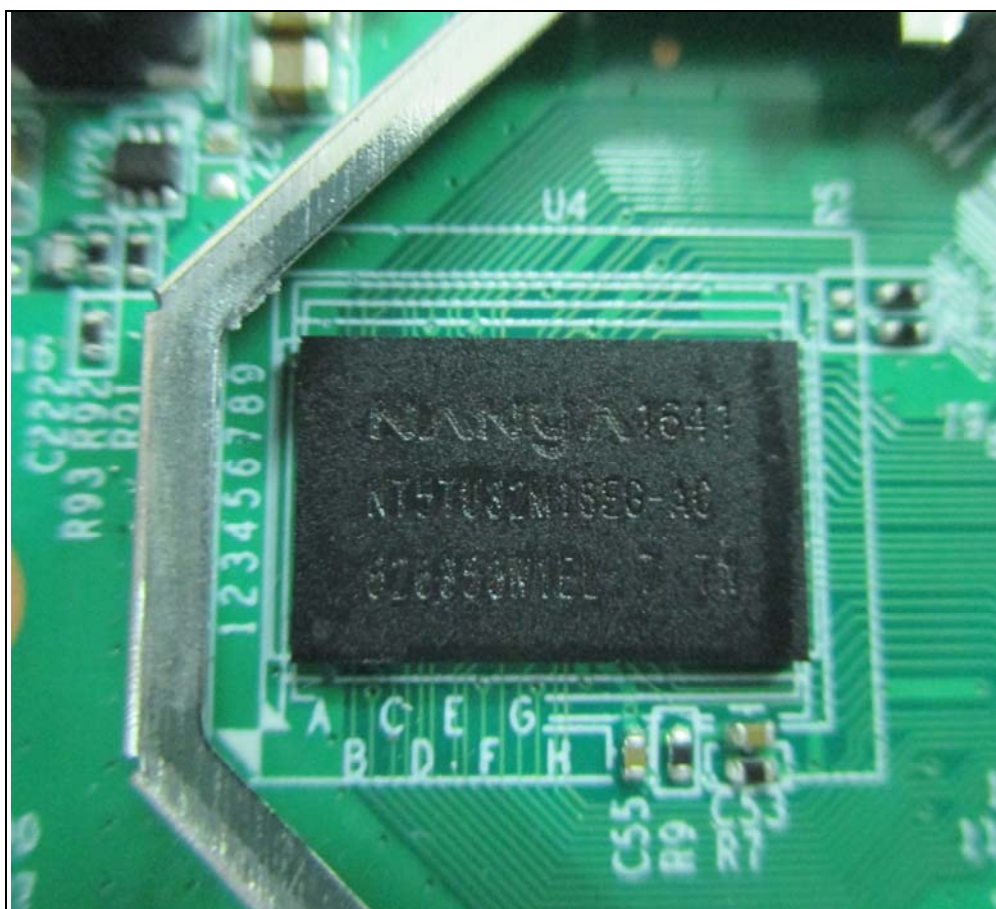




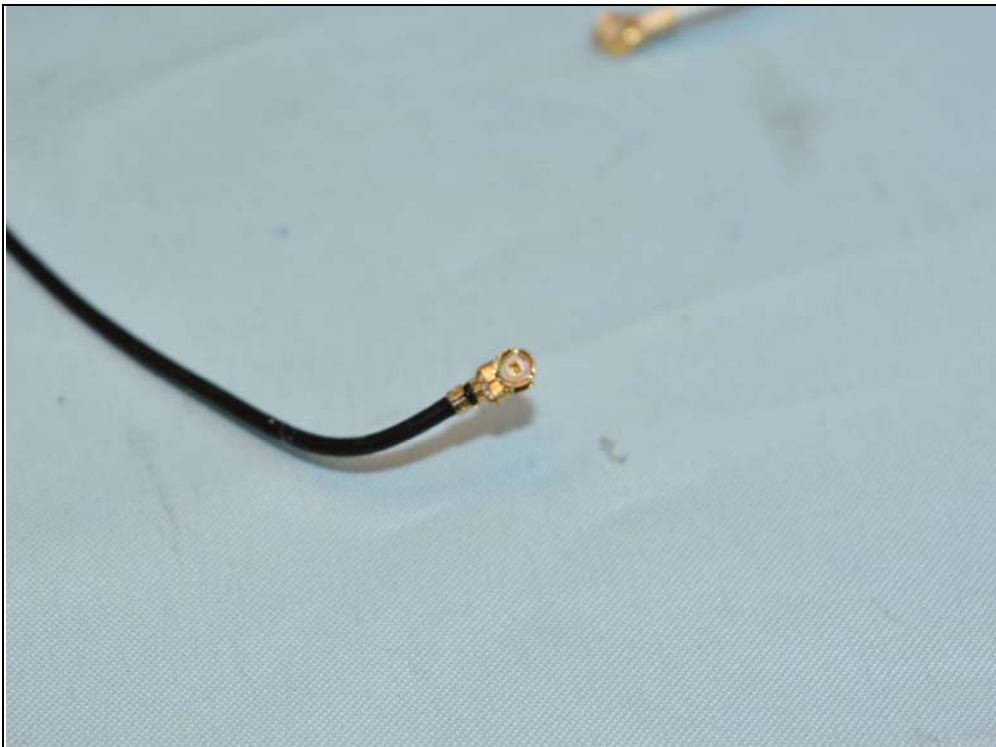
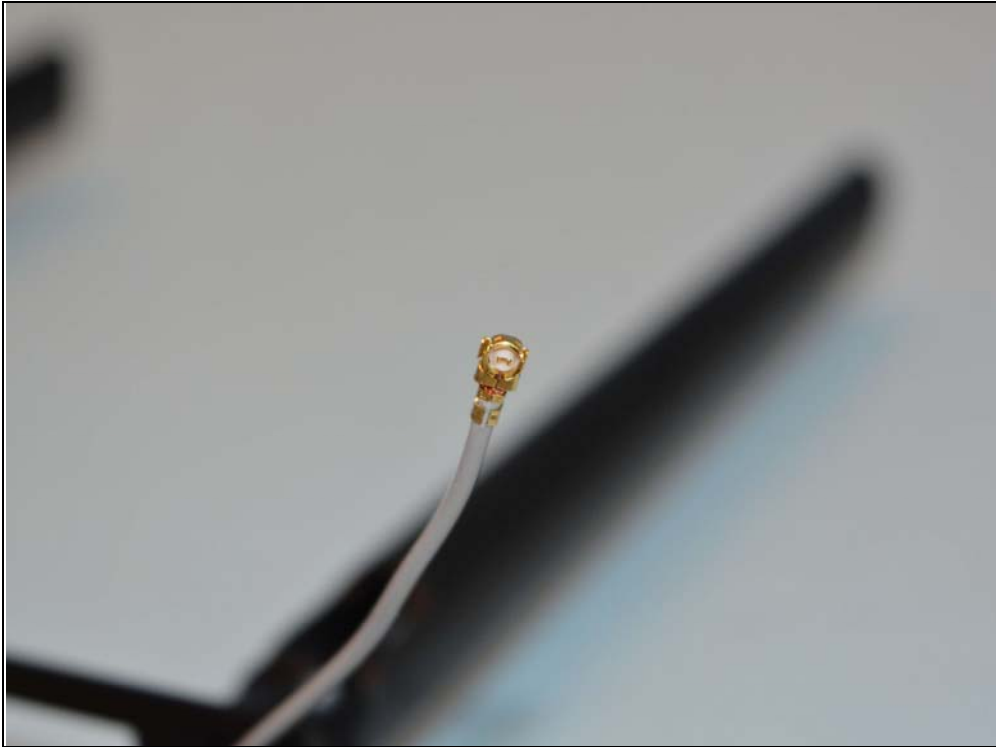


















16 檢測實驗室基本資料

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

您也可以在我们的網站內找到各實驗室的地圖。

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